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Groundwater Oxygenation Systems Construction Completion Report for the Hempstead Intersection Street Former Manufactured Gas Plant Site

Villages of Hempstead & Garden City
Nassau County, New York

Prepared for:

National Grid
175 East Old Country Road
Hicksville, New York 11801

Prepared by:

URS Corporation - New York
257 West Genesee Street, Suite 400
Buffalo, New York 14202

URS

September 2016

GROUNDWATER OXYGENATION SYSTEMS CONSTRUCTION COMPLETION REPORT

HEMPSTEAD INTERSECTION STREET FORMER MANUFACTURED GAS PLANT SITE VILLAGES OF HEMPSTEAD AND GARDEN CITY NASSAU COUNTY, NEW YORK

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CERTIFICATIONS

I, Mark Lang, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Design was implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Design.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Mark Lang, of URS Corporation – New York, am certifying as Owner's Designated Site Representative for the site.

August 31, 2016

Mark Lang Date

Registered Professional Engineer

New York License No. 074013

URS Corporation – New York

257 West Genesee Street, Suite 400

Buffalo, New York 14202

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LIST OF ACRONYMS AND ABBREVIATIONS

ASTs	above-ground storage tanks
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene and xylenes
CAMP	Community Air Monitoring Plan
COP	Construction Operations Plan
CQCP	Construction Quality Control Plan
DNAPL	dense non-aqueous phase liquid
DO	dissolved oxygen
EC/ICs	engineering controls/institutional controls
ELAP	Environmental Laboratory Accreditation Program
F&N	Fenley and Nicol Environmental Inc.
F/J	flush joint
FS/RAP	Feasibility Study/Remedial Action Plan
ft	feet
GPR	ground penetrating radar
HASP	Health and Safety Plan
HCN	hydrogen cyanide
HDPE	high-density polyethylene
HSA	hollow stem auger
H_2S	hydrogen sulfide
ID	inside diameter
IDW	investigation derived waste
IRM	interim remedial measure
ISS	in-situ solidification
LEL	lower explosive limit
LIPA	Long Island Power Authority
LIRR	Long Island Railroad
mg/kg	milligrams per kilogram
MGP	manufactured gas plant
NAPL	non-aqueous phase liquid
NCDH	Nassau County Department of Health

LIST OF ACRONYMS AND ABBREVIATIONS (cont.)

NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
O&M	Operation and Maintenance
OSHA	Occupational Safety and Health Administration
PAH	polycyclic aromatic hydrocarbon
PCBs	polychlorinated biphenyls
PID	photoionization detector
ppmv	parts per million by volume
psi	pounds per square inch
PVC	polyvinyl chloride
QA/QC	quality assurance/quality control
RAO	Remedial Action Objective
RCA	recycled concrete aggregate
RCRA	Resource Conservation and Recovery Act
RFI	Request for Information
ROW	right-of-way
scfh	standard cubic feet per hour
SEQRA	State Environmental Quality Review Act
SMP	Site Management Plan
TCLP	toxicity characteristic leaching procedure
URS	URS Corporation - New York
UST	underground storage tank
VOCs	volatile organic compounds
µg/L	micrograms per liter
$\mu g/m^3$	micrograms per cubic meter

1 BACKGROUND AND SITE DESCRIPTION

National Grid's corporate predecessor, KeySpan Corporation entered into an Order on Consent #D1-0001-98-11 with the New York State Department of Environmental Conservation (NYSDEC) to investigate and remediate the Hempstead Intersection Street Former Manufactured Gas Plant (MGP) site (Site) which is an approximately 8-acre property located in the Villages of Hempstead and Garden City, in the Town of Hempstead, Nassau County, Long Island, New York. The former MGP portion of the site is bordered to the north by Second Street, east by a Long Island Railroad (LIRR) inactive railroad right-of-way (ROW), south by Intersection Street, and west by a municipal property owned by the Village of Garden City (see Figure 1).

This Construction Completion Report describes construction activities associated with the installation of two groundwater oxygenation systems downgradient of the Site. Bioremediation augmented by the addition of oxygen to the contaminant plume was the technology proposed for groundwater oxygenation in the Feasibility Study/Remedial Action Plan (FS/RAP) (URS, 2008a). The construction activities associated with System No. 1 were performed from November 1, 2010 through June 7, 2011; and from May 24 to October 15, 2010 for System No. 2.

2 SUMMARY OF SITE REMEDY

2.1 Remedial Action Objectives

Based on the results of the Remedial Investigation, the following Remedial Action Objective (RAO) was identified for groundwater at the site:

- Prevent or mitigate, to the extent practicable, off-site migration of groundwater contamination resulting from site-related contaminants.

2.2 Description of Selected Remedy

The construction activities described in this report were completed in accordance with the Hempstead Intersection Street Former MGP Site Remedial Design Report for Off-Site Groundwater Treatment (Design Report) (URS, 2010a), as well as the Construction Operations Plan – Off-site Groundwater Treatment for the Hempstead Intersection Street Former MGP Site (COP) (URS, 2010b). The Design Report and COP were completed in accordance with an Order on Consent (#D1-0001-98-11) (the Order) with the NYSDEC. The Design Report was reviewed and approved by the NYSDEC in a letter dated March 16, 2010. The Design Report identified the objectives, scope, and means of construction and operation of the groundwater oxygenation systems. The COP describes construction operations that were performed during the construction phase including mobilization, site preparation work, utility protection, construction of the groundwater oxygenation systems, air monitoring, traffic control and waste disposal.

The dissolved phase groundwater plume is located downgradient of the Site. At the time of the Design in 2010, it extended approximately 3,800 feet (ft) to the south, and was approximately 600 ft wide (refer to Figure 2). The plume boundaries are defined by total benzene, toluene, ethylbenzene, and xylenes (BTEX) and/or total polycyclic aromatic hydrocarbon (PAH) concentrations greater than 100 micrograms per liter (µg/L). The highest BTEX and PAH concentrations occurred in the plume immediately to the south of the Site at a depth of approximately 75 feet below ground surface (bgs). South of Atlantic Avenue, the southward moving plume also moves downward within the aquifer and becomes overlain by uncontaminated groundwater. Figure 3 provides a cross section view of the plume along its length in 2010. Groundwater contamination exceeding 100 µg/L generally was found at depths greater than 100 ft bgs throughout the identified plume area.

The location for System No. 1 is immediately south of the Site and runs generally east-west from Sealy Avenue (east) to Hilton Avenue (west) in an area that includes residential and light commercial spaces, as well as a portion of the LIRR ROW.

System No. 2 is located approximately (varies from) 500 to 800 feet south of System No. 1. System No. 2 also runs east to west from Mirchel Park (east) to Kensington Court (west) in a predominantly residential area.

Table 1 presents the design criteria as prescribed in the Design Report. The primary objective of the groundwater oxygenation systems is to increase the level of dissolved oxygen (DO) in the groundwater to provide a means for reduction of the contamination in groundwater by encouraging aerobic bioremediation. As contaminated groundwater flows through the treatment areas, the increased DO accelerates the rate at which the dissolved contaminant mass is oxidized and leads to decreased contaminant concentrations in groundwater.

3 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

Two previous interim remedial measures (IRMs) have been implemented at the Site and are summarized below.

1. A "cut and plug" IRM was conducted in 1999 and 2000. Underground piping associated with historic MGP operations were located, cut, drained of any fluids and plugged to limit the potential for any off-site migration of MGP-related constituents.

2. In 2008, a second IRM was conducted to excavate shallow MGP source materials from the Site and to recover dense non-aqueous phase liquid (DNAPL) from groundwater. This IRM removed MGP source materials from areas of the Site where no additional remediation would be necessary and provide a support area for site-wide remediation activities such as vehicle parking, and the staging of equipment and materials. Excavation locations are shown on Figure 2.3. A total of 4,432 cubic yards of MGP source material (as MGP-impacted soil) and construction/demolition debris was transported to a licensed facility for off-site treatment and disposal. MGP-impacted liquid (9,493 gallons) was containerized and transported to a licensed facility for off-site treatment and disposal.

Additionally, from April 2007 through July 2011 DNAPL was recovered from wells installed on and downgradient of the Site. DNAPL recovery was suspended in 2011 during the ISS project and resumed in 2013. From April 2007 through April 2015 approximately 834 gallons of DNAPL has been recovered.

URS has prepared and submitted a Construction Completion Report for IRM excavation activities entitled *IRM Excavation Completion Report* (URS, 2009).

4 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

4.1 Approved Scope of Work

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Design Report and COP for the installation and testing of the off-site groundwater oxygenation system and associated work performed by Fenley & Nicol Environmental, Inc. (F&N) and their sub-contractors. All changes from the Scope of Work are in this section. Change Orders and Contractor requests for information are presented in Appendix A. Daily and weekly reports from the Contractor are presented in Appendix B.

Record drawings for the constructed systems are attached to this report. Sheet 2 presents an index of the drawings, location map, legend and notes. SP-1 presents the System No. 1 Oxygen Well Location Site Plan. A second SP-1 presents the System No. 2 Oxygen Well Location Site Plan. Sheet 4 presents the profile of oxygen delivery wells for System No. 1; Sheet 5B the profile of oxygen delivery wells for System No. 2. Sheets 9 and 10 present miscellaneous details for both systems. Sheet 11 presents the process flow diagram for oxygen generation and delivery for both systems.

Remedial activities consisted of the following:

- Site preparation/mobilization, including clearing of vegetation, installation of utility services and temporary construction trailers, installation of a decontamination pad, establishment of parking and construction laydown areas, and establishment of temporary stockpile areas for excavated soil;
- Identifying, clearing and protecting utilities;
- Implementing a Community Air Monitoring Program (CAMP) to measure, document, and respond to potential airborne contaminants during ground-intrusive activities associated with the installation of the groundwater oxygenation systems;
- Implementation of traffic control measures to prevent vehicles and pedestrians from entering work zones;
- Pre-clearing of vegetation and soils where applicable for implementation of the construction work;
- Saw cutting and removal of asphalt pavement, and saw cutting, breaking, removal and disposal of concrete pavement;
- Implementation of measures necessary for installation of the groundwater oxygenation systems across roads and driveways, including traffic control implementation, removal and restoration of asphalt and/or concrete pavement, and utilization of conduit for protection of oxygenation system components;
- Excavation of trenches for installation of the underground system components;

- Stockpiling of excavated materials;
- Sampling and analysis of excavated soil for classification as hazardous or non-hazardous;
- Loading of excavated materials, waste water, etc. and transporting the materials off site for disposal;
- Installation of delivery wells and monitoring points using a Geoprobe rig;
- Installation of groundwater monitoring wells using direct push or hollow-stem auger (HSA) method;
- Installation of oxygen supply lines, power supply lines, and ancillary items such as warning tapes and utility markings;
- Construction of oxygen generator enclosure buildings;
- Installation of electrical service to provide power to the groundwater oxygenation system;
- Placement and compaction of bedding and backfill in the trenches with clean materials from an off-site source, or with on-site materials deemed suitable for use as backfill; and
- Final restoration including grading, seeding, tree planting, fence repairs, sidewalk repairs, roadway and driveway repairs, and Site cleanup and demobilization.

4.2 Governing Documents

The work was conducted in accordance with the NYSDEC-approved COP prepared by URS (April, 2010b).

4.2.1 Site Specific Health & Safety Plan

The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site. F&N prepared the HASP for the work. All remedial work performed under this Remedial Action was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal Occupational Safety and Health Administration (OSHA).

4.2.2 Construction Quality Control Plan

The Construction Quality Control Plan (CQCP) included as Appendix C to the COP managed performance of the Remedial Action tasks through designed and documented Quality Assurance/Quality Control (QA/QC) methodologies applied in the field and in the lab. The CQCP provided a detailed description of the roles and responsibilities of the Project Owner (National Grid), the Project Engineer (URS), and the Contractor, F&N as follows:

Project Owner

National Grid authorized the performance of the scope of work, and reviewed and approved all contract, administrative and payment issues.

Project Engineer

URS was responsible for providing site management and coordination of activities. URS was contracted by National Grid and is the certifying Engineer of Record responsible for monitoring the work and ensuring that construction activities were performed in accordance with the Construction Documents. As part of these responsibilities URS performed the following:

- Provided technical support (e.g., design interpretation as needed) as it pertains to the Construction Documents, including Technical Specifications and Drawings;
- Reviewed project submittals for compliance with the Construction Documents; and
- Reviewed proposed changes or substitutions to specified materials or procedures.

Contractor

F&N was responsible for implementation of site activities and the QC function as it pertained to the site activities. As part of this responsibility, F&N performed the following:

- Assured that site activities were performed in accordance with the Construction Documents and the CQCP;
- Provided direction to the F&N field crew, subcontractors and vendors involved in performing site activities;
- Performed material testing as required by the Construction Documents;
- Ensured construction conformed with the Construction Documents; and
- Regularly provided details of field construction activities and documentation to National Grid, URS and other interested parties as needed.

The CQCP identified independent laboratories retained to conduct analyses through the duration of the project. The laboratory identified for chemical analysis, York Analytical Laboratories, Inc. of Stratford, Connecticut, is New York State Department of Health (NYSDOH)-certified and an Environmental Laboratory Accreditation Program (ELAP) approved laboratory. The NYSDOH certification for York Analytical Laboratories, Inc. was included as Appendix A to the CQCP. The geotechnical laboratory identified for geotechnical analysis was Soil Mechanics Environmental Services (Soil Mechanics) of Seaford, New York.

The CQCP identified the requirements for the Pre-Construction Meeting (scheduled prior to beginning work), Progress Meetings (weekly), and Problems/Resolutions Meetings (as necessary). The CQCP identified the responsibilities for Documentation and Reporting. F&N was responsible for documenting that project QC requirements were achieved in the form of daily project summary reports, logs, data sheets, photographs, manufacturer certifications, test results, drawings, and noted field observations. Documentation and reports were submitted to URS for approval. If design or specification modifications were required during construction,

F&N was responsible for the preparation of a Field Change request and submission to URS and National Grid for approval. At the completion of the work, F&N was responsible for preparation of record drawings showing the location of all work installed and based on survey data obtained by High Point Engineering/Gallas Surveying Group, a land surveyor registered in the State of New York.

4.2.3 Community Air Monitoring Plan

The CAMP utilized for the construction of the groundwater oxygenation systems was the same as for the Site-wide remedy. Total volatile organic compounds (VOCs), particulates, hydrogen cyanide (HCN) and hydrogen sulfide (H_2S) were monitored on a periodic basis at each well installation location.

4.3 Remedial Program Elements

4.3.1 Contractors and Consultants

F&N was the prime contractor for National Grid. Representatives from National Grid's Engineer/Construction Manager (URS) were on-site during the construction work to ensure compliance with the CQCP provided by F&N. A full-time Resident Engineer from URS observed the work and inspected each major construction activity. A pre-construction meeting was held with National Grid, F&N, and URS on April 29, 2010. Table 2 identifies the sub-contractors that were used for the work.

The following sections provide details of the construction operations associated with the installation of Systems No. 1 and No. 2, respectively. Note that System No. 1 was constructed after System No. 2, but is presented first in this report. The Record Drawings present final construction details regarding the wells associated with System No. 1 and System No. 2.

All State Environmental Quality Review Act (SEQRA) requirements and all substantive compliance requirements for attainment of applicable natural resource or other permits were achieved during this Remedial Action.

4.3.2 System No. 1

System No. 1 was constructed between November 1, 2010 and June 7, 2011. The installation of the groundwater oxygenation system began at the intersection of Sealy Avenue and Smith Street, continuing west along Smith Street across Wendell Street, then along the LIRR ROW to Atlantic Avenue, and finally north/northeast along Atlantic Avenue and Hilton Avenue.

4.3.2.1 Mobilization and Site Preparation

F&N began mobilization on November 1, 2010 for construction of System No. 1 activities. The majority of Site facilities had previously been mobilized for the installation of System No. 2 (i.e.

office trailer, laydown yard, storage, etc.). Equipment mobilized for System No. 1 included the following:

- Geoprobe Model 7720 and Model 8040;
- Air monitoring equipment;
- Drilling support truck;
- Backhoe and excavation support equipment;
- Grout mixer; and
- Various construction materials such as delivery well/point materials, Portland cement, gravel, bentonite, and grout.

The following Site preparation work was conducted during this mobilization phase:

- Setup of components of the CAMP;
- Construction of a new decontamination pad; and
- Intermittent snow clearing as necessary.

4.3.2.2 Construction Activities Related to Well Installation

Construction activities related to the installation of the delivery wells, monitoring points and groundwater monitoring wells commenced on November 2, 2010. Refer to Appendix B for F&N's daily construction reports and oxygen well construction details. The typical sequence of work for installation of the groundwater oxygenation system was as follows, although several tasks were carried out concurrently:

1. Saw-cutting and demolition of concrete sidewalks along Smith Street.
2. Clearing and grading work along the LIRR ROW, including the installation of an access road to facilitate the movement of construction vehicles to the project corridor within the ROW.
3. Pre-clearing of delivery well locations, including any necessary removal of vegetation, removal and stockpiling of topsoil and hand-excavation of soils to 5 feet below original grade.
4. Advancement of delivery wells and monitoring points using a Geoprobe.
5. Installation of well boxes at delivery wells and monitoring points.
6. Excavation of oxygen supply line and electrical supply line trenches.
7. Installation of oxygen supply lines and electrical supply lines.
8. Backfill and compaction of trenches, and subsequent compaction testing performed by Soil Mechanics Environmental Services (Soil Mechanics). Additional work associated with this task included the installation of tracer wire, detectable tape, marker balls and associated road boxes.
9. Installation of tees and ball valves on delivery wells.
10. Development of delivery wells and monitoring points.

11. Pressure testing of delivery wells.
12. Setup of Oxygen Generator Enclosure.
13. System maintenance and replacement of system components as needed.
14. Final grading and Site restoration.

Ancillary tasks included, but were not limited to: off-site disposal of waste and contaminated materials; work associated with system installation across roads, aprons and sidewalks; clearing, grading and restoration of areas along the LIRR ROW; implementation of traffic controls; re-installation of delivery and monitoring points as required; and re-development of delivery and monitoring points as required.

A sprinkler system was discovered in the LIRR ROW that was operated by the adjacent apartment building complex. F&N decommissioned the system during the work, and restarted it once work was complete. F&N also made repairs to the sprinkler system and replaced sprinkler heads as necessary. Refer to the daily construction reports in Appendix B.

4.3.2.2.1 Preliminary Site Preparation

Preliminary Site preparation work included removal of vegetation, fencing, sidewalks, curb and gutters, concrete and asphalt pavement, and any other objects/materials that may have potentially impeded the progress of the work. In most cases, this work was conducted concurrent with groundwater oxygenation system installation as necessary throughout the course of system installation (i.e. sidewalk removal was done as needed to maintain the construction schedule, and not all at once prior to the next phase of construction).

Concrete and asphalt removal was performed by F&N. Excavated concrete and asphalt were staged at the laydown area prior to disposal.

Tree removal and stump grinding was done by Silvestri Landscaping. Several trees and shrubs were removed from the LIRR ROW and stored at the laydown yard, and then replaced after construction. Trees that were cut down were disposed of off-site.

An access road was constructed in the hillside of the LIRR ROW to allow for construction equipment access. The road was dug out using a backhoe and then graded and compacted with recycled concrete aggregate (RCA) fill. Additional grading work was performed in the ROW to facilitate the installation of the System No. 1 oxygen generator enclosure. Soils that were removed from the ROW were transported to the staging yard and stockpiled.

4.3.2.2.2 Installation of Delivery Wells

The delivery wells for the oxygenation system were installed by F&N as shown on the Record Drawings. A total of 92 delivery wells were installed as part of System No. 1. Specific well locations and dimensions are shown on the Record Drawings. Well construction, including installed depth, screened interval, and other information are presented on the well construction

logs in Appendix C and summarized in Table 3. Prior to delivery well and monitoring point installations, each location was pre-cleared with hand tools to a depth of 5 feet below grade. Upon completion of the pre-clearing activities, direct push drilling was used to advance 3.25-inch diameter steel casings at delivery well locations and 4.25-inch diameter steel casing at monitoring point locations, except those drilled by HSA. The casings were advanced with either a Geoprobe Model 7720 or a Geoprobe Model 8040, depending on the proposed well depth.

The delivery wells were constructed with 1-inch diameter x 1-foot long Schedule 40 PVC flush joint (F/J) sump, 1-inch diameter x 2-foot long Schedule 40 PVC 0.010 slot F/J screen and 1-inch diameter Schedule 40 PVC solid F/J riser to grade. The sump and screen portions of each delivery well were pre-packed assemblies with sand contained by a stainless steel mesh. The annular space above the pre-packs was filled with an additional foot of #2 sand pack above the pre-packed assembly, a two-foot thick bentonite pellet seal above the sand pack and then Tremie grouted to one foot below grade. Each delivery well well top was modified with a 1-inch diameter slip x ¾-inch diameter slip Schedule 40 PVC Tee located at approximately 2 feet below grade. The top branch of each Tee was completed with a section of 1-inch diameter PVC riser and a ball valve. The ¾-inch horizontal ends of the Tees have a ¾-inch diameter plastic hose barb for connection to the oxygen supply lines with hose clamps.

All of the oxygen delivery wells were completed with heavy duty traffic rated flush mounted well boxes for protection and access. An apron of new concrete was placed around each well box that was installed in either a concrete road/driveway or sidewalk to prevent potential settlement and heaving issues. For those points not in sidewalk or road/driveway areas, the monitoring points were installed between 2 and 6 inches below grade and covered with soil and grass or landscaping. The installed locations were surveyed for position (US State Plane 1983, Long Island zone) and elevation (North American Vertical Datum, 1983) by High Point Engineering/ Gallas Surveying Group.

4.3.2.2.3 Installation of Monitoring Points

Twelve monitoring points were installed in conjunction with the oxygen delivery wells. Well construction, including installed depth, screened interval, and other information are presented on the logs in Appendix C. The wells were installed using either HSA, or direct push method with a Geoprobe Model 8040, depending on the depth. The borehole diameters of the monitoring points for System No. 1 were either 8 inches (HSA) or 4.5 inches (direct push).

The monitoring points were constructed with 2-inch diameter Schedule 40 PVC, with a 1-foot long sump of the same material. Monitoring point depths and screened intervals varied from well to well, as shown on the logs in Appendix C. The sump and screen portions of each monitoring point were pre-packed assemblies with sand and stainless steel. The annular space above the pre-packs were filled with an additional foot of #2 sand pack above the pre-packed

assembly, a two-foot thick bentonite pellet seal above the sand pack and then Tremie grouted to one foot below grade. Well boxes were installed as described under Well Box Installation, below.

The installed locations were surveyed for position (US State Plane 1983, Long Island zone) and elevation (North American Vertical Datum, 1983) by High Point Engineering/Gallas Surveying Group. The monitoring points were developed for groundwater monitoring by F&N.

4.3.2.2.4 Well/Point Development

After installation of each delivery well and monitoring point, the wells/points were developed with either a peristaltic or submersible pump. Development activities involved removing groundwater and residual fine-grained material from within the points. Prior to and during the well/point development activities the water level, pH, specific conductance and photoionization (PID) readings of groundwater were recorded. Once these parameters and the groundwater level stabilized, the well/point was considered properly developed. Development logs are available in Appendix C. If a well/point could not be properly developed, it was reinstalled. Purge water was stored on-site in two 550-gallon above-ground storage tanks (ASTs) and later transported off- site for disposal at Clean Water of NY on Staten Island, an approved disposal facility.

4.3.2.2.5 Well Box Installation

Well boxes that were installed in sidewalk or paved areas were installed flush in a 2-foot x 2-foot x 5-inch or 7-inch thick concrete pad. Sidewalks were restored to 5 inches thick and driveway aprons were restored to 7 inches thick. Well boxes that were installed in grassy areas were installed with a 2-foot x 2-foot x 4-inch thick concrete pad installed between 2 and 6 inches below grade. Topsoil and seed were then applied to complete the restoration of these areas.

4.3.2.3 Trench Excavation

The oxygen supply lines and electrical lines associated with the oxygenation system were placed in trenches. The trenches were excavated to a depth of approximately 3 feet for the oxygen supply lines, and to 4 feet along the side of the supply line trench for the installation of the electrical system. Utilities were delineated by a review of Site drawings and/or based on the results of the ground penetrating radar (GPR) survey conducted by Utility Detection, Inc., In the vicinity of known buried utilities, excavation was performed by hand until the utility had been adequately cleared; in other areas, a backhoe was used. Excavated soils were transported by tri-axle dump trucks (Broman and Sons) to the staging areas for stockpiling. In some cases, reusable excavated soils were stockpiled along the side of the open trench. Excavated soils that were deemed unsuitable for backfill were transported to the National Grid Hicksville Facility for disposal. As indicated on Table 4, 243.47 tons of excavated soils that were deemed unsuitable for backfill were transported to the 110 Sand Company of West Babylon, New York for disposal.

Any excavations left open overnight were secured with temporary snow fence, temporary chain link fence, and/or plywood.

Prior to excavation, the concrete aprons and sidewalks that intersected the pathway of the trench were saw cut, and the materials transported to the staging area on the National Grid property for stockpiling. For excavations crossing active driveways along Smith Street, F&N excavated the trenches and installed 12-inch diameter schedule 40 PVC sleeves, and the areas were backfilled to grade. Steel road plates were placed across the trenches where necessary to facilitate access to the properties. Later, oxygenation system components were installed into the existing PVC sleeve without closing the length of the driveways.

For the excavation that crossed Wendell Street and a portion of the western end of Smith Street, F&N installed 12-inch diameter Schedule 40 PVC sleeves to properly encase the bundles of ¾-inch diameter high-density polyethylene (HDPE) oxygen supply tubing. Work completed along the section of the oxygenation system that was installed across Hilton Avenue was carried out in a similar fashion, with a lane closure and traffic controls implemented as outlined in the COP. The western end of the project terminates near the middle of Hilton Avenue.

Excavation in the vicinity of utilities, as delineated by a review of Site Drawings, was carried out by hand until the utility had been adequately cleared.

4.3.2.4 Oxygen Supply Line Placement

Oxygen supply lines, which deliver the oxygen from the oxygen generator to the individual delivery wells, were installed by hand as described below. Prior to installation of the tubing, a base of approximately 6 inches of compacted fine tank sand was installed in the trenches. For road crossings, the supply lines were installed in 12-inch Schedule 40 PVC pipes as necessary to protect the oxygen supply tubing.

4.3.2.4.1 Tubing

Oxygen supply tubing for connecting the delivery wells to the groundwater oxygenation system consists of ¾ inch inside diameter (ID), HDPE tubing rated for 100 pounds per square inch (psi). The tubing was installed in the trench excavated along the line of delivery wells. The tubes were installed in bundles along the trench, with a separate tube dedicated for each delivery well. Where possible, the tubing was installed along the public right-of-way adjacent to the sidewalk to reduce the disturbance to pedestrians.

4.3.2.4.2 Line Testing

To ensure full system functionality, each oxygen supply line underwent a low pressure pneumatic test following installation over the course of construction. Pressure testing was

conducted prior to the placement of backfill to ensure that there were no leaks in the system. This was completed by connecting the pipe to the oxygen wells followed by pressurizing the system from the supply end. The pressures in the pipes were monitored via a gauge to determine if there was any decrease over time that would indicate leaks in the system. A soapy water solution was also used at joints and connections to inspect for leaks. In the event that a line failed a pressure test, it was repaired or replaced as appropriate and as approved by the Engineer. Backfill was then placed around pipes after they had successfully passed inspection. Pressure testing results are available in Appendix C.

4.3.2.5 Backfill, Compaction and Restoration

Backfill source and analytical information is presented in Section 4.5 and Appendix F. Prior to installation of the tubing, a base of approximately 6 inches of compacted fine tank sand was installed in the trenches. Once the oxygen supply lines were installed, the trenches were backfilled to approximately 12 inches below grade using fine tank sand. The tank sand was imported from a New York State Department of Transportation (NYSDOT)-approved off-site location, 110 Sand in West Babylon, New York. The sand was placed in 6-inch lifts and compacted using a walk-behind vibratory plate compactor. During backfill operations, tracer wire was installed approximately 18 inches below grade. Compaction testing was performed by Soil Mechanics (test results are presented in Appendix C) following each lift. Above the layer of tank sand, the remaining depths of the trenches were backfilled with either RCA or soils that were originally excavated from the trenches. RCA fill was provided by 110 Sand Company. Data is presented in Appendix F.

At driveway crossings and road crossings, pavement materials (i.e. concrete or asphalt) were replaced in kind where necessary after backfilling was complete in those areas. Concrete restoration work was completed by MG & Sons. For the road crossings at Wendell Street, Smith Street and Hilton Avenue, following backfill and compaction, a 1-½ inch Type 6 wearing course and 1-½ inch Type 1A binder course were installed. Sidewalk crossings and driveway aprons were restored at 5 inches thick and 7 inches thick, respectively.

4.3.2.6 Oxygen Generator Enclosure Installation

The oxygen generator enclosure is a building that houses the mechanical components of the groundwater oxygenation system. The oxygen generation system details are shown on the Record Drawings and consist of a compressor, filters, air dryer, compressed air tank, pressure swing adsorption oxygen generating systems, oxygen storage tanks, pumps, regulators and control valves, manifolds and HDPE oxygen delivery tubing. Spare connections were also installed for any necessary future expansions to the system as required by the Technical Specifications.

The system and the enclosure were delivered to the Site as one complete package, and were supplied by Matrix Environmental Technologies (Matrix). Building installation and ancillary activities were conducted by F&N and their sub-contractors between April 6 and June 7, 2011. The building was placed at the end of Wendell Street in the LIRR ROW. Oxygen generator enclosure installation was comprised of the following steps:

1. Ground preparation performed by Silvestri Landscaping, which included grading, tree removal, stump grinding, sod removal; placement of filter fabric and placement of ¾-inch bluestone base were completed by F&N.
2. Delivery and placement of the building using a crane (completed by Bay Crane).
3. Installation of the electrical power supply to the system (completed by Hoyler Electric).
4. Connection of oxygen supply lines to system manifolds within the building and installation of in-line check valves on each of the HDPE oxygen supply lines.
5. Construction of a security fence and gate by Silvestri Landscaping.
6. Installation of an 8-foot grounding rod and #4 grounding wire.
7. Thorough cleaning of all system components and painting of well boxes.
8. Replacement of motor and flow meters was carried out by manufacturer (Matrix) when they were found to be defective after system enclosure installation.
9. Finalization of installation of the oxygen generator enclosure including pre-startup inspection and testing, system operation training, baseline monitoring point readings, and startup of system and testing of delivery banks. Line replacement was performed as needed based on the results of the line tests. All system testing data is presented in Appendix C.

4.3.2.7 Restoration

Restoration activities at the Site included grading, topsoil placement and seeding; installation of sidewalks, driveway aprons and curb/gutter combos; restoration of asphalt pavement; and replanting of trees and shrubs that were removed from the LIRR ROW. All restoration activities were performed in accordance with the Technical Specifications. Landscaping restoration (i.e. grading, tree planting, re-vegetation, fertilization, seeding and watering) was carried out by Silvestri Landscaping over the course of the project. The following seed mix was used at the System No. 1, in accordance with the Technical Specifications:

- Blue Chip Kentucky Bluegrass - 50%;
- Boreal Creeping Red Fescue - 30%; and
- Palmer IV Perennial Ryegrass - 20%.

An automatic sprinkler system was set up along portions of System No. 1 to water the newly seeded areas. Additionally, after initial installation, F&N replaced 1,400 square feet (sf) of dead sod behind the Atrium building on the LIRR ROW and along the curb on Hilton Avenue.

4.3.2.8 Oxygen Delivery System Maintenance

Upon delivery of components of System No. 1, it was observed that the cooling fins on a compressor had been damaged. F&N and Matrix (the system builder) determined that a "comb" would be used to straighten out the fins. After the "combing" procedure was performed, it was determined that this would be acceptable as long as no discrepancies in the performance of this particular compressor were observed. To date, discrepancies have not been reported by F&N.

It was brought to the attention of F&N at the time of delivery that there may or may not be a problem with the labels on the flow meters falling off. This could potentially interfere with the operation of the meters. Matrix agreed to replace all of the flow meters in System No.1 to avoid any complications.

System No. 1 was brought on line in April 2011.

Inspection and maintenance are discussed in Section 4.7 for Engineering Controls.

4.3.3 System No. 2

The construction of System No. 2 took place between May 24 and October 15, 2010. The following sections describe the construction operations associated with the installation of that system. F&N's Daily Project Reports are provided in Appendix B.

The installation of the groundwater oxygenation system began at the eastern end in Mirschel Park and proceeded to the west, finishing at Kensington Circle.

4.3.3.1 Mobilization and Job Site Preparation

F&N began mobilization to the Site on May 24, 2010 for construction of System No. 2. Many of the facilities mobilized for System No. 2 were left in place following construction, as they were used during construction of System No. 1. The following facilities and equipment were delivered to the Site during the mobilization phase of the work:

- Office trailer;
- Storage trailer;
- Septic tank for office trailer, installed by Norsic;
- Geoprobe Models 7720 and 8040;
- Backhoe and excavation support equipment;
- Two 550-gallon temporary ASTs for decontamination water;
- Air monitoring equipment;
- Drilling support truck;
- Grout mixer; and

- Various construction materials such as delivery well materials, Portland cement, gravel, bentonite, and grout.

The following general job Site preparation work was conducted during the mobilization phase:

- Installation of water and septic service by Norsic;
- Setup of components of the CAMP;
- Construction of the decontamination pad;
- Placement of stone at the office trailer location;
- Property condition assessments on the garages at 158 and 160 Hilton Avenue; and
- Organization of the equipment staging area.

As part of Site preparation work, an assessment of the property conditions at 158 and 160 Hilton Avenue was conducted to document the current conditions of the garages on these properties. This assessment was performed as oxygenation system components, namely the oxygenation system enclosure building, were proposed to be installed on areas adjacent to these proposed structures, on 158 Hilton Avenue property. This assessment was performed to determine if there could be negative impacts to the property from proposed construction and document the conditions should there be questions about any impacts post-construction. The assessment concluded that the garage at 158 Hilton Avenue was no longer in use and in poor condition. The assessment of the active garage at 160 Hilton Avenue included only the southern corner. It was determined that the wooden structure on top of the garage was in poor condition and the concrete blocks at the base were in good condition. Graffiti was also noted on the garage at 160 Hilton Avenue. A copy of the full assessment report is included as Appendix H.

Utility Detection, Inc. conducted private utility location during the beginning of construction. Additionally, High Point Engineering/Gallas Surveying Group completed base map surveying at 158 Hilton Avenue.

4.3.3.2 Well Installation

Construction activities related to the installation of the delivery wells, monitoring points and groundwater monitoring wells commenced on May 24, 2010. The sections below describe the individual activities associated with installation of the delivery wells, monitoring points and monitoring wells. Refer to Appendix B for F&N's daily construction reports. The typical sequence of work for installation of the groundwater oxygenation system was as as described for System No. 1 in section 4.3.2.2 above, with the exception that no saw-cutting/demolition of concrete sidewalks was performed along Smith Street, and no clearing and grading work nor access road installation was performed along the LIRR ROW.

Concurrent with the work described above were ancillary tasks which included: off-site disposal of waste and contaminated materials; implementation of the CAMP; work associated with

system installation across roads, driveways and sidewalks; grading and restoration of areas within Mirschel Park and 158 Hilton Avenue; implementation of traffic controls; re-installation of delivery wells and monitoring points as required; and re-development of delivery wells and monitoring points as required.

4.3.3.2.1 Preliminary Site Preparation for System Installation

Preliminary Site preparation work included removal of vegetation, fencing, sidewalks, curb and gutters, concrete and asphalt pavement, and any other objects/materials that may have potentially impeded the progress of the work. In most cases, this work was conducted concurrent with oxygenation system installation as necessary throughout the course of system installation (i.e. sidewalk removal was performed as needed to maintain the construction schedule, and not all at once prior to the next phase of construction).

Fencing, concrete and asphalt removal work was performed by F&N, although some fencing work was also performed by Silvestri Landscaping. Excavated concrete and asphalt were staged at the laydown area prior to disposal. Fences were typically replaced following the completion of work in the vicinity. In some instances, fence components were disposed of in accordance with the COP. Manifest and disposal documentation is presented in Appendix E.

Tree removal and stump grinding was performed by Silvestri Landscaping. Some trees and shrubs were stored and then replaced after construction. Two trees were removed from the backyard of 158 Hilton Avenue, and two new ones were planted. Trees that were cut down were disposed of off-site.

4.3.3.2.2 Installation of Delivery Wells

The delivery wells for the oxygenation system were installed by F&N as shown on the Record Drawings. Specific well locations and dimensions are shown on the Record Drawings. The installation logs for the delivery wells are presented in Appendix B, and provide details for the construction of each well. Table 3 provides a summary of construction details regarding the wells. For System No. 2, a total of 59 delivery wells were installed. Delivery well OW-2-1 was eliminated from the scope and, based on the results of the exploratory borings, delivery well OW-2-9S was added.

Prior to delivery well and monitoring point installations, each location was pre-cleared with hand tools to a depth of 5 feet below grade. Upon completion of the pre-clearing activities, direct push drilling was used to advance 3.25-inch diameter steel casings at delivery well locations and 4.25-inch diameter steel casing at monitoring point locations, except those drilled using HSA. The casings were advanced with either a Geoprobe Model 7720 or a Geoprobe Model 8040, depending on the proposed well depth.

The delivery wells were constructed with the following materials: 1-inch diameter x 1-foot long Schedule 40 PVC F/J sump, 1-inch diameter x 2-foot long Schedule 40 PVC 0.010-slot F/J screen and 1-inch diameter Schedule 40 PVC solid F/J riser to grade. The sump and screen portions of each delivery well were pre-packed assemblies with sand contained by a stainless steel mesh. The annular space above the pre-packs was filled with one additional foot of #2 sand pack above the pre-packed assembly, a 2-foot thick bentonite pellet seal above the sand pack and then Tremie grouted to one foot below grade. Each delivery well top was modified with a 1-inch diameter slip x ¾-inch diameter slip Schedule 40 PVC Tee located at approximately 2 feet below grade. The top branch of each Tee was completed with a section of 1-inch diameter PVC riser and a ball valve. The ¾-inch horizontal ends of the Tees have a ¾-inch diameter plastic hose barb for connection to the oxygen supply lines with hose clamps.

All of the oxygen wells were completed with heavy duty traffic rated flush mounted well boxes for protection and access. An apron of new concrete was placed around each well box that was installed in either a concrete road/driveway or sidewalk to prevent potential settlement and heaving issues. For those points not in sidewalk or road/driveway areas, the monitoring points were installed between 2 and 6 inches below grade and covered with soil and grass or landscaping. The installed locations were surveyed for position (US State Plane 1983, Long Island zone) and elevation (North American Vertical Datum, 1983) by High Point Engineering/ Gallas Surveying Group.

4.3.3.2.3 Installation of Monitoring Points

Monitoring points were installed concurrent with the oxygen delivery wells. Well construction, including installed depth, screened interval, and other information are presented on the well construction logs in Appendix G. The wells were installed using either HSA, or direct push method with a Geoprobe Model 7720 or 8040, depending on the proposed well depth. The borehole diameters of the monitoring points for System No. 2 were either 8 inches (HSA) or 4.5 inches (direct push). For System No. 2, a total of 6 monitoring points were installed.

The monitoring points were constructed with 2-inch diameter Schedule 40 PVC, with a 1-foot long sump of the same material. Monitoring points were installed to depths that vary from well to well, as shown on the construction logs in Appendix C. The sump and screen portions of each monitoring point were pre-packed assemblies with sand contained by a stainless steel mesh. The annular space above the pre-packs was filled with an additional foot of #2 sand pack above the pre-packed assembly, a 2-foot thick bentonite pellet seal above the sand pack and then Tremie grouted to one foot below grade. Well boxes were installed as described under Well Box Installation, below.

The installed locations were surveyed for position (US State Plane 1983, Long Island zone) and elevation (North American Vertical Datum, 1983) by High Point Engineering/Gallas Surveying Group. The monitoring points were developed by F&N.

4.3.3.2.4 Installation of Groundwater Monitoring Wells

Four groundwater monitoring wells were installed in April/May 2010 (HIMW-22, HIMW-23, HIMW-24, HIMW-25). Well construction, including installed depth, screened interval, and other information are presented on the well construction logs in Appendix G. The wells were installed using either HSA, or direct push method with a Geoprobe Model 7720 or 8040, depending on the proposed well depth. The borehole diameters of the monitoring wells were either 8 inches (HSA) or 4.5 inches (direct push).

The monitoring wells were constructed with 2-inch diameter Schedule 40 PVC, with a 1-foot long sump of the same material. Monitoring wells were installed to depths that vary from well to well, as shown on the construction logs in Appendix C. A 10-foot long 2 inch 0.010 slot size Schedule 40 PVC screen was installed in Morie #00 sand which extended 1-foot above and below the screen. S 2-foot thick bentonite pellet seal above the sand pack and then Tremie grouted to two feet below grade. An 8 inch cover was present in the flush mounted well boxes.

The installed locations were surveyed for position (US State Plane 1983, Long Island zone) and elevation (North American Vertical Datum, 1983) by High Point Engineering/Gallas Surveying Group. The monitoring points were developed by F&N.

4.3.3.2.5 Well/Point Development

After installation of each delivery and monitoring well and monitoring point, the wells/points were developed with either a peristaltic or submersible pump. Development activities involved removing groundwater and residual fine-grained material from within the points. Prior to and during the well development activities the water level, pH, specific conductance and PID readings of groundwater were recorded. Once these parameters and the groundwater level stabilized, the well/point was considered properly developed. Well development logs are available in Appendix C. If a well/point could not be properly developed, that well was reinstalled. Purge water was stored on site in 550-gallon ASTs and later transported off site for disposal at Clean Water of NY on Staten Island, an approved off-site facility.

4.3.3.2.6 Well Box Installation

Well boxes that were installed in sidewalk or paved areas were installed flush in a 2-foot x 2-foot x 4-inch thick concrete pad. Well boxes that were installed in grassy areas, with the exception of those installed in Mirschel Park, were installed flush to grade with a 2-foot x 2-foot x 4-inch thick concrete pad installed 2 to 3 inches below grade. Topsoil and seed were then placed to complete the restoration of these areas. Well boxes that were installed in Mirschel Park were

installed in a 2-foot x 2-foot x 4-inch thick concrete pad approximately 4 inches below grade and then topsoil and seed were applied.

4.3.3.3 Trench Excavation

The oxygen supply lines and electrical lines associated with the oxygenation system were placed in trenches. The trenches were excavated to a depth of approximately 3 feet for the oxygen supply lines, and 4 feet below grade along the side of the supply line trench for the installation of the electrical system. Utilities were delineated by a review of Site drawings and/or based on the results of the GPR survey conducted by Utility Detection, Inc.

In the vicinity of known buried utilities, excavation was performed by hand until the utility had been adequately cleared; in other areas, a backhoe was used. Excavated soils were transported by tri-axle dump trucks (Broman and Sons) to the staging areas for stockpiling. In some cases, reusable excavated soils were stockpiled along the side of the open trench. Any excavations left open overnight were secured with temporary snow fence, temporary chain link fence, and/or plywood. Excavated soils that were deemed unsuitable for backfill were transported to the National Grid Hicksville Facility for disposal. As indicated on Table 4, 37.4 tons of non-hazardous MGP contaminated soil was disposed at Clean Earth.

For excavations crossing active driveways (158 and 160 Hilton Avenue), as well as Hilton Avenue and a portion of Kensington Court, F&N excavated the trenches and installed 12-inch diameter schedule 40 PVC sleeves to provide protection to the bundles of ¾-inch diameter HDPE oxygen supply tubing across/along the length of the driveways and roadway sections. Prior to excavation, the asphalt, concrete aprons, curb/gutter combos and sidewalks that intersected the pathway of the trench were saw cut, and the materials transported to the staging area for stockpiling. Across Hilton Avenue, excavation was conducted between the midpoint and shoulder in two stages while providing a single lane closure with traffic control in accordance with the COP. Steel road plates were placed across the trenches where necessary to facilitate access to the properties at the driveway crossings.

4.3.3.4 Oxygen Supply Line Placement

Oxygen supply lines, which deliver the oxygen from the oxygen generator to the individual delivery wells and monitoring points, were installed by hand as described below. Prior to installation of the tubing, a base of approximately 6 inches of compacted fine tank sand was installed in the trenches. For road crossings, the supply lines were installed in 12-inch Schedule 40 PVC pipes to protect all of the oxygen supply tubing. Smaller PVC sleeves were also utilized for driveway crossings.

4.3.3.4.1 Tubing

Oxygen supply tubing for connecting the delivery wells to the oxygenation system consists of ¾ inch ID, HDPE tubing rated for 100 psi. The tubing was installed in the trench excavated along the line of delivery wells. The tubes were installed in bundles along the trench, with a separate tube dedicated for each delivery well. Where possible, the tubing was installed along public right-of-ways adjacent to the sidewalk to reduce the disturbance to pedestrians.

4.3.3.4.2 Line Testing

To ensure full system functionality, each oxygen supply line underwent a low pressure pneumatic test following installation over the course of construction. Pressure testing was conducted prior to the placement of backfill to ensure that there were no leaks in the system. This was completed by connecting the pipe to the delivery wells followed by pressurizing the system from the supply end. The pressures in the pipes were monitored to determine if there was any decrease over time that would indicate leaks in the system. A soapy water solution was also used at joints and connections to inspect for leaks. In the event that a line failed a pressure test, it was repaired or replaced as appropriate and as approved by the Engineer. Backfill was then placed around pipes after they had successfully passed inspection. Pressure testing results are available in Appendix C.

4.3.3.5 Backfill, Compaction and Restoration

Prior to installation of the tubing, a base of approximately 6 inches of compacted fine tank sand was installed in the trenches. Once the oxygen supply lines were installed, the trenches were backfilled to approximately 12 inches below grade using fine tank sand. The tank sand was imported from a certified clean off-site location, 110 Sand in West Babylon, New York. The sand was placed in 6-inch lifts and compacted using a vibratory plate compactor. During backfill operations, tracer wire was installed approximately 18 inches below grade, and detectable tape at approximately 12 inches below grade. Compaction testing was performed by Soil Mechanics (test results are presented in Appendix C) following each lift. Above the layer of tank sand, the remaining depths of the trenches were backfilled with either RCA or soils that were originally excavated from the trenches. RCA fill was provided by 110 Sand Company. Backfill and imported source and analytical information are presented in Appendix F.

At driveway crossings and road crossings, pavement materials (i.e. concrete or asphalt) were replaced in kind where necessary after backfilling was complete in those areas. For the road crossing at Hilton Avenue, following backfill and compaction, a temporary 1.5-inch asphalt cold patch was installed during each of the two phases of construction across the road.

At the request of National Grid, a 2-inch thick 3/8 inch diameter bluestone gravel driveway was installed from the end of the asphalt pavement to the garage at the 158 Hilton Avenue property.

At this property, the north side of the asphalt driveway around the installed delivery wells was also replaced and a uniform seal coat was applied to the entire driveway.

The asphalt pavement restoration of Hilton Avenue included the application of 1-½ inch Type 6 wearing course and 1-½ inch Type 1A binder course.

4.3.3.6 Oxygen Generator Enclosure Installation

The oxygen generator enclosure is a building that houses the mechanical components of the groundwater oxygenation system. The system consists of a compressor, filters, air dryer, compressed air tank, pressure swing adsorption oxygen generating systems, oxygen storage tanks, pumps, regulators and control valves, manifolds and HDPE oxygen delivery tubing. Spare connections were also installed for any necessary future expansions to the system.

The system and the enclosure were delivered to the Site as one complete package, and were supplied by Matrix. Building installation and ancillary activities were conducted by F&N and their sub-contractors as noted below between August 27 and October 12, 2010, although some preliminary excavation work was conducted on June 15 and 16, 2010. Oxygen generator enclosure installation was comprised of the following steps:

1. Completion of Property Conditions Assessment of 158 and 160 Hilton Avenue properties prior to any work proposed on these properties. This was conducted by F&N on June 2, 2010.
2. Ground preparation, which included grading, sod removal, placement of filter fabric, and placement of ¾-inch bluestone base in the backyard of 158 Hilton Avenue.
3. Delivery and placement of the building using a crane (completed by Bay Crane). The building was originally delivered to the laydown area.
4. Installation of the electrical power supply to the system by Hoyler Electric.
5. Connection of oxygen supply lines to system manifolds within the building and installation of in-line check valves on each of the HDPE oxygen supply lines.
6. Construction of a security fence and gate by Silvestri Landscaping.
7. Installation of an 8-foot grounding rod and #4 grounding wire.
8. Finalization of installation of the oxygen generator enclosure including pre-startup inspection and testing, system operation training, baseline monitoring point readings, and startup of system and testing of delivery banks. Line replacement was also performed as needed based on the results of system tests. All system testing data is presented in Appendix C.

During investigation of the electrical system main panel on September 13, 2010, a defective neutral line was discovered, which had to be repaired by LIPA.

4.3.3.7 Restoration

Restoration activities at the Site included grading, topsoil placement and seeding; installation of sidewalks, driveway aprons and curb/gutter combos; and restoration of asphalt pavement. All restoration activities were performed in accordance with the Technical Specifications. Landscaping restoration (i.e. grading, tree planting, re-vegetation, fertilization, seeding and watering) was carried out by Silvestri Landscaping concurrently with oxygenation system installation activities. The following seed mix was used at the System No. 2, in accordance with the Technical Specifications:

- Blue Chip Kentucky Bluegrass - 50%;
- Boreal Creeping Red Fescue - 30%; and
- Palmer IV Perennial Ryegrass - 20%.

Substantial clearing and excavation were required at the northeast corner of 158 Hilton Avenue where the oxygenation system enclosure was placed. This placement required additional grading, seeding and tree planting, as described in the Daily Project Reports in Appendix B. Additionally, a temporary automatic sprinkler system was set up at this property to water the newly placed seeding. The sprinkler system was also used at various other locations along the project right-of-way where seeding was required.

Restoration work also included replacing concrete sidewalks, driveway aprons and curb/gutter combos, as well as asphalt pavement. For the Hilton Avenue and Kensington Court roadway crossing work, temporary asphalt cold patches were placed following backfilling operations. Concrete restoration work was performed by Bi-County Concrete. The asphalt cold patches were later removed and replaced with permanent pavement and a seal coat by Lindley Bros.

As part of the work that was not in the original scope, Bi-County Concrete installed new concrete driveway aprons, sidewalk flags and a handicap ramp along Hilton Avenue at the intersection of Kensington Court.

An additional non-scope item for restoration work was the placement of a 2-inch thick, 3/8-inch bluestone gravel driveway on top of a layer of filter fabric from the end of the asphalt driveway to the garage at 158 Hilton Avenue. Excavation and grading were carried out accordingly to facilitate installation of the gravel. A 2-foot wide planting bed was left along the house.

4.3.3.8 Oxygenation System Maintenance

Following completion of the installation work and testing of the system, various O&M tasks were required. Problems were encountered when testing delivery wells OW-2-32 and OW-2-35. A section of damaged poly hose had to be replaced at OW-2-32. The pressure gauge at OW-2-

35 was faulty, and had to be replaced. Both delivery wells were functioning properly following these maintenance actions. A monthly maintenance schedule is presented in Appendix I.

System No. 2 was brought on line in October 2010.

Inspection and maintenance are discussed in Section 4.7 for Engineering Controls.

4.3.4 General Site Controls

General site controls for the groundwater oxygenation systems construction followed the Off-Site Groundwater Treatment Remedial Design governing documents for the Site-wide remedy.

4.3.5 CAMP results

URS performed community air monitoring activities in accordance with the April 2010 CAMP. F&N was responsible for conducting air monitoring of the work area in accordance with their HASP. Copies of all field data sheets relating to the CAMP are provided in Appendix J.

Instruments were calibrated daily, and measurements of VOCs, HCN, lower explosive limit (LEL), H_2S, and dust particulates were measured upwind, downwind, and within the exclusion zone at each installation location. The following observations were made:

- No HCN or H_2S were detected;
- No VOCs were detected above the alert level of 2.5 parts per million by volume (ppmv) above the upwind level;
- LEL measurements were generally zero with a few exceptions above 1 (i.e., maximum LEL of 5 on 6/2/2010 at OW-2-39; and maximum LEL of 3 on 7/7/2010 at OW-2-10S);
- No dust measurements exceeded the action level of 150 micrograms per cubic meter (ug/m^3) above the upwind level; and
- Dust measurements were below the alert level of 100 ug/m^3 above the upwind level except as noted on the field data sheets. Dust was generated for reasons such as: use of the air knife; borings located within pollen-producing weeds; lawn mowing/weed whacking required at/near location; grout mixing; Geoprobe equipment and workers traveling to location across dry, exposed surface soil. Dust measurements exceeding the alert level were generally not sustained for 15 minutes.

4.3.6 Reporting

Representatives from URS were on-site during the construction work to ensure compliance with the CQCP provided by F&N. A full-time Resident Engineer from URS observed the work and inspected each major construction activity. Daily reports were prepared by F&N by 10 AM of the next morning and delivered to URS for review and approval. F&N drafted the agenda for each weekly meeting. Weekly Meeting Minutes were prepared and distributed by URS for approval by National Grid.

F&N maintained a set of working drawings on-site to note the actual construction results and any variations from the Contract Drawings. Record drawings were prepared to document the actual construction.

All daily and monthly reports are included in electronic format in Appendix B.

The digital photo log is included in electronic format in Appendix D.

4.4 Contaminated Materials Removal

York Analytical Laboratories performed chemical analytical testing of excavated soils, concrete, purge water, decon water and any other waste materials that were to be sent to the treatment/disposal facilities. York Analytical Laboratories is certified by the NYSDOH and is an ELAP approved laboratory.

4.4.1 Investigation Derived Waste and Excavated Materials

Table 4 presents a summary of the available waste disposal records of the waste material disposed during the installation of Systems No. 1 and 2. Manifests are provided in Appendix E.

- 1,577gallons of non-hazardous water was transported to Clean Water of New York in Staten Island, New York for off-site disposal.
- 37.40 tons of non-hazardous soil was generated during drilling and disposed at Clean Earth of Philadelphia, Pennsylvania.
- 243.47 tons of non-hazardous soil was generated during trenching operations and not re-used onsite and was disposed at 110 Sand Company of West Babylon, New York.

4.4.2 On-Site Reuse of Excavated Soil

F&N Submittal Number NG2010-71 was a request to use excavated on-site soil as fill material in place of flowable fill specified as backfill for the excavated trenches. This submittal was approved on May 11, 2010 by the URS Project Manager with the requirement that F&N would first place and compact the specified fine sand in and around the bundled oxygen tubes; and on-site excavated soils would be used as backfill above that. Proper compaction would be required.

A soil sample from trench-excavated material was collected on June 16, 2010 during System No. 2 activities by an F&N representative. The soil sample was submitted to York Analytical Laboratories, Inc. of Stratford, Connecticut for VOCs, PAHs, Polychlorinated biphenyls (PCBs), pesticides, Full Toxicity Characteristic Leaching Procedure (TCLP), Resource Conservation and Recovery Act (RCRA) metals, Hexavalent Chromium, Copper, Nickel, Zinc, Vanadium, flashpoint, ignitability, total solids, pH, cyanide, sulfide, and total organic halogens. Results are provided in Appendix G. The sample was collected for disposal characterization for Clean Earth Disposal; however, results are used to determine compliance with DER-10 Table 5.4(e)4 Reuse

of Soil. All results (VOCs, PAHs, PCBs, pesticides, metals) meet unrestricted use criteria with the exception of lead which at a detected concentration of 114 milligrams per kilogram (mg/kg) exceeds the unrestricted use criteria of 63 mg/kg, but meets the restricted residential use criteria of 400 mg/kg.

Excavated material from the trenches was transported to the Intersection Street staging yard for stockpiling. Unsuitable materials excavated from the trenches (e.g., roots, debris) were segregated on-site and disposed off-site as non-hazardous waste.

4.5 Imported Backfill

Topsoil was imported for site restoration in seeded areas. The original topsoil source exceeded the Part 375 Table 6.8(b) concentrations for chromium; therefore F&N selected another topsoil source – Hubbard Sand and Gravel of Bay Shore, NY (Hubbard). This topsoil source met unrestricted use criteria and URS approved the use of topsoil from Hubbard and the corresponding F&N Borrow Soil Test Results Submittal NG2010-71a Revision 1. Approved topsoil analytical results are presented in Appendix F.

Fine tank sand and RCA were imported from 110 Sand Company for use as backfill in the excavated trenches, along with reuse of excavated soils. URS approved F&N Submittal NG2010-71 Borrow Soil Test Results which provided documentation of 110 Sand Company as an approved NYSDOT source of aggregate. NYSDOT Approval Documentation is provided in Appendix F.

Materials utilized by the subcontractor Bi-County Concrete included fine aggregate, coarse aggregate, and cement. These were obtained from a NYSDOT-approved source as documented in F&N Submittal NG2010-102 Certified Test Reports. NYSDOT Approval Documentation is provided in Appendix F.

4.6 Contamination Remaining at the Site

The groundwater oxygenation systems are currently in operation. The remaining dissolved phase groundwater plume is shown on Figure 4 and is represented by the most recent round of sampling (April 2015). Since contaminated groundwater remains beneath the Site after completion of the Remedial Action, Institutional and Engineering Controls are required. These Engineering Controls and Institutional Controls (ECs/ICs) are described in the following sections. Long-term management of these EC/ICs and residual contamination will be performed under the Site Management Plan (SMP) approved by the NYSDEC.

4.7 Engineering Controls

Details of monitoring, operating and maintaining the groundwater oxygenation systems is provided in the Operation and Maintenance Plan in Section 4 of the SMP. The Monitoring Plan also addresses inspections that must occur after any severe weather condition has taken place that

may affect on-site ECs. The Monthly Maintenance Schedule for the groundwater oxygenation systems is presented in Appendix I.

4.8 Institutional Controls

It is not anticipated that the ICs will be required on the multiple properties included in the off-site groundwater plume downgradient of the site. There will be ICs on the Hempstead property including an environmental easement placed on the property to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to restricted residential use only.

4.9 Changes from the Off-Site Groundwater Treatment Remedial Design Document

During construction, several modifications to the original scope of work were ordered by the Owner/Engineer, or as field conditions dictated, as described below. Eight Construction Change Directives were issued by URS to provide details for certain changes to the scope. Additionally, several Requests for Information (RFIs) were issued by F&N, with responses to the RFIs provided by National Grid and/or URS, occasionally resulting in changes to the scope of work. Descriptions of these changes are presented below. The RFIs, their responses, and Construction Change Directives are provided in Appendix A. Several of these changes resulted in Change Orders. Construction Change Directives and Change Order information are presented below.

4.9.1 Construction Change Directives

4.9.1.1 Exploratory Soil Boring

Construction Change Directive No. 1, issued on June 10, 2010, directed F&N to perform exploratory soil borings in two locations in order to evaluate the location of a fine-grained soil layer near a section of System No. 2 between Mirschel Park and Hilton Avenue. The locations and depths of the two borings were as follows:

- One boring was advanced on the west side of Hilton Avenue in the vicinity of previously-advanced soil boring HISB-115 to a depth of 100 feet bgs and sampled continuously from 60 feet to 100 feet bgs. The samples were collected for visual inspection and classification by the Engineer.
- A second boring was advanced in the backyard of the residence of 158 Hilton Avenue adjacent to Mirschel Park. Samples were collected for visual inspection and classification by the Engineer from 65 feet to 85 feet bgs.

Results of the exploratory soil borings conducted are discussed below, and the boring logs are presented in Appendix C.

4.9.1.2 Depths of Shallow Oxygen Delivery Wells for Groundwater Oxygenation System No. 2

Construction Change Directive No. 2 issued on July 6, 2010, provided guidance for shallow oxygen delivery well depth termination. The directive called for the shallow wells to be installed at or immediately above the zone of fine-grained soils where elevated contaminant concentrations were observed based on an interpolation of sampling data. The new depths were determined based on the results of the exploratory soil borings mentioned above.

4.9.1.3 Groundwater Oxygenation System No. 2 Well Locations along Kensington Court

Construction Change Directive No. 3, issued on July 6, 2010, presented the following changes to the scope of work pertaining to delivery well locations based on analyses of the exploratory soil borings described above:

- Delivery well OW-2-1 was eliminated.
- Delivery well OW-2-2 was to be relocated approximately 8 feet to the east of its proposed location.
- Delivery well pair OW-2-10S/OW-2-10D was to be moved approximately 15 feet to the east of the proposed location.
- Delivery well OW-2-9 was to be relocated approximately 5 feet to the east of its proposed location, and was to be renamed OW-2-9D.
- Delivery well OW-2-9S, an additional well based on the results of the exploratory borings, was to be installed adjacent to well OW-2-9D.

4.9.1.4 Addition of Inline Check Valves to Oxygen Supply Lines

Construction Change Directive No. 4, issued on September 16, 2010, required that inline check valves be installed to each of the oxygen supply lines inside the oxygen generator enclosure for System No. 2. Additional details are provided in Appendix A. Based on the breakthrough pressures observed for System No. 2 and the similar design for System No. 1, inline check valves were requested as part of RFI No. 5. Inline check valves were approved for both systems.

4.9.1.5 Ball Valve Installation at Delivery Wells/Monitoring Points

The Technical Specifications called for j-plugs to be installed at each delivery well/monitoring point. Due to the potential for these j-plugs to be ejected from the wells/points during system startup, posing a potential safety hazard, F&N requested that ball valves be installed at each well/ point, as indicated by RFI No. 5, approved on November 23, 2010.

4.9.1.6 Measurement of Dissolved Oxygen in System No. 2 Monitoring Wells

Construction Change Directive No. 5, issued on November 17, 2010, provided direction for the measurement of dissolved oxygen in the monitoring wells, indicating that measurements should be taken at a depth of one foot from the bottom of the monitoring well screen interval.

4.9.1.7 Placement of Marker Balls in the Trenches of System No. 1

Construction Change Directive No. 6, issued December 6, 2010, called for approximately 40 to 50 marker balls, supplied by National Grid, to be placed along the length of the System No. 1 trench. Marker balls were not proposed in the original scope of work.

4.9.1.8 Protection of Oxygen Supply Lines in the Vicinity of the Underground Storage Tank

Construction Change Directive No. 7, issued December 8, 2010, identified the need for 6-inch protective sleeves over the oxygen supply lines in the trenches of System No. 1 near a discovered underground storage tank (UST) under the sidewalk on Smith Street. The supply lines were to be protected between the UST and the adjacent building on Smith Street, extending a minimum of 2 feet beyond the UST in both directions. The NYSDEC and Nassau County Department of Health (NCDH) were notified about the tank and it was abandoned by the adjacent property per NCDH requirements.

4.9.1.9 Operation of System No. 2

Construction Change Directive No. 8, issued on December 8, 2010, ordered that the per-well/point flow rate for banks A and C be increased to 50 standard cubic feet per hour (scfh) since these wells/points were deeper in the water table. The directive indicated that this operation should be carried out for four weeks. Additionally, if the Engineer determined that the oxygen levels needed to be increased more in the western end of System No. 2, F&N would increase the duration on one of the banks to 15 minutes, while leaving the other one at 10 minutes.

4.9.1.10 Monitoring Point Installation Method

F&N submitted RFI No. 1 requesting that HSA be used in lieu of direct push drilling for the installation of System No. 2 monitoring points due to difficult drilling conditions for the direct push method with 4.5-inch diameter well casings, F&N needed to install 2-inch diameter monitoring points. This was approved by URS on August 9, 2010. Additionally, this method of monitoring point installation was approved for the System No. 1 monitoring points on November 23, 2010. The monitoring points that were installed using HSA are as follows:

- System No. 1: MP-1-1D, MP-1-2D, MP-1-3D, MP-1-4D, MP-1-5, MP-1-6; and
- System No. 2: MP-2-1, MP-2-2, MP-2-3S and MP-2-3D.

4.9.1.11 Repair of Damaged Concrete and Handicap Ramp

As a result of the relocation of delivery wells along Hilton Avenue (System No. 2), the curb/gutter, sidewalk, driveway apron and handicap ramp on Hilton Ave near the intersection of Kensington Court sustained damage. Although some repairs to concrete structures were anticipated, the damages incurred were perceived to be the result of a change in the scope of work, and therefore the repairs to these structures were identified as a change to the scope of work. Additional details for this change in scope are provided in the URS Response to RFI No. 3, dated October 20, 2010, which is presented in Appendix A.

4.9.1.12 Installation of Additional Monitoring Wells at System No. 1

National Grid requested that four additional 2-inch diameter monitoring wells (HIMW-22 through HIMW-25) be installed around System No. 1. The wells were installed in accordance with the "Typical Monitoring Detail" shown on the Record Drawings. Additional directive for this change to the scope was provided via URS' Response to RFI No. 7, dated April 26, 2011.

4.9.1.13 Additional Plume Delineation Work

As previously described, additional exploratory soil boring work not included in the original scope was required due to the presence of a fine-grained soil layer between Mirschel Park and Hilton Avenue. As a result, soil boring HISB-115A was advanced by F&N using a macrocore sampling system in the vicinity of soil boring HISB-115. Soil samples were collected from 65 to 70 feet bgs, from 70 to 82 feet bgs, and from 82 to 95 feet bgs. Once completed, the soil boring was Tremie grouted. This work was done from June 11 to June 16, 2010 and performed as indicated in Change Directive No. 1 (rev. a) provided in Appendix A. The boring log for this soil boring is included in Appendix C.

4.9.2 Change Orders for System No. 1

The following approved change orders were for the work associated with the installation of System No. 1. Note that "Change Order 2" was not approved and is therefore excluded from this section. The change orders are also presented in detail in Appendix A.

Change Order No. 1

At the request of National Grid and per LIRR requirements, F&N increased their Umbrella Insurance coverage with LIRR to $10 million effective September 22, 2010 and expiring on May 31, 2011. Refer to Appendix A.

Change Order No. 3

Change Order No. 3 includes the addition of several items to the project as follows (refer to Appendix A for details):

- *Task 1 – Excavation of test holes along the LIRR ROW.*
- *Task 2 – Modifications to design of delivery well well heads.*
- *Task 3 – Installation of in-line check valves on oxygen supply lines.*
- *Task 4 – Expansion of System No. 1.*
- *Task 5 – Installation of in-line check valves on new oxygen supply lines identified in Task 3.*

Change Order No. 4

Change Order No. 4 was issued to address several items related to the construction of System No. 1 (refer to Appendix A for details):

- *Task 1 – Change in concrete design per Village of Hempstead Concrete Restoration Requirements.*
- *Task 2 – Removal of asphalt driveway aprons from Smith Street and Atlantic Avenue.*
- *Task 3 – Restoration of asphalt pavement on Hilton Avenue.*
- *Task 4 – Restoration of asphalt pavement on Smith Street and Wendell Street.*
- *Task 5 – Landscape restoration in LIRR at the end of Wendell Street.*

Change Order No. 5

Per the request of National Grid, additional fencing and an access gate were constructed at the LIRR at the end of Wendell Street (refer to Appendix A):

- *Task 1 – Installation of access road gate.*
- *Task 2 – Installation of chain link fencing.*

Change Order No. 6

Change Order No. 6 included the replacement of 1,400 sf of dried out sod behind the Atrium building along the LIRR ROW and along the curb on Hilton Avenue.

4.9.3 Change Orders for System No. 2

The following change orders were approved for the work associated with the installation of System No. 2. The change orders are also presented in Appendix A.

Change Order No. 1

Change Order No. 1 includes the addition/modification of several tasks associated with the completion of the work. The tasks are listed below, and details about each task are available in Appendix A.

- *Task 1 – Property Survey of 158 Hilton Avenue.*
- *Task 2 – Delivery Well Well Head Modification.*
- *Task 3 – Oxygen Supply Line Check Valves.*
- *Task 4 – Stump Removal at 158 Hilton Avenue.*
- *Task 5 – Stone Driveway at 158 Hilton Avenue.*
- *Task 6 – Cultivate non-disturbed area at 158 Hilton Avenue.*
- *Task 7 – Uncontaminated/ Unsuitable Soil T&D.*
- *Task 8 – Oxygen Supply Line Installation to OW-2-10S & OW-2-10D.*
- *Task 9 – Redevelopment of Delivery Wells OW-2-28S, OW-2-31 and OW-2-36.*
- *Task 10 – Additional Pressure Testing of Delivery Wells OW-2-28S, OW-2-31 and OW-2-36.*
- *Task 11 – 158 Hilton Ave Asphalt Driveway.*
- *Task 12 – Hilton Ave Asphalt Restoration.*
- *Task 13 – Install Stockade Fence at Rear of 158 Hilton Avenue.*

Change Order No. 2

Change Order No. 2 refers to an additional barbed wire chain link fence section 29-¾ inches wide by 6 feet tall along the northwest corner of the System No. 2 Remedial System Compound as requested by National Grid. Complete details are presented in Appendix A.

5 References

URS, 2008a. *Feasibility Study/Remedial Action Plan for the Hempstead Intersection Former Manufactured Gas Plant Site. February*.

URS, 2009a. *IRM Excavation Completion Report Interim Remedial Measures for the Hempstead Intersection Street Former Manufactured Gas Plant Site. May.*

URS, 2010a. *Off-Site Groundwater Treatment Remedial Design Report for the Hempstead Intersection Street Former Manufactured Gas Plant Site. February.*

URS, 2010b. *Construction Operations Plan Off-Site Groundwater Treatment for the Hempstead Intersection Street Former Manufactured Gas Plant Site. April.*

URS, 2013. *2013 Annual Groundwater Sampling, NAPL Monitoring/Recovery, and Groundwater Treatment Performance Report for the Hempstead Intersection Street Former Manufactured Gas Plant Site. May.*

TABLES

TABLE 1
Summary of Design Criteria

All Systems
Treatment of BTEX or PAHs greater than 100 µg/L
Provide a minimum 3 lbs oxygen per 1 lb of hydrocarbons
75% oxygen transfer/utilization efficiency
1-inch diameter polyvinyl chloride (PVC) wells, with 2-foot screen length
All delivery wells include dedicated: Piping from the oxygen generation system Pressure gauge Flow meter and flow control valve
Cycled/Pulsed operation of the delivery wells
230 Volt, 3-phase power supply
Skid-mounted enclosure including double locking doors, lighting, wall-mounted heater, ventilation fan, noise insulation, and two standard wall outlets
Oxygen Generating Equipment include: Rotary screw air compressor with noise insulation, filter and dryer Pressure Swing Adsorption Oxygen Generator Oxygen Storage Tank(s) Programmable Logic Controller Wireless-based Remote Monitoring and Control System

Treatment System No. 1
Contaminant Flux of 4.6 lbs per day
Total Oxygen Requirement of 30 lbs per day
Oxygen Delivery Manifold of 92 wells
Spare capacity for 10 additional points

Treatment System No. 2
Contaminant Flux of 3.3 lbs per day
Total Oxygen Requirement of 14 lbs per day
Oxygen Delivery Manifold of 59 wells
Spare capacity for 10 additional points

TABLE 2
List of Sub-Contractors

SYSTEM #1 Company	Work Completed	SYSTEM # 2 Company
Matrix Environmental Technologies	Oxygen Generation System Supplier	Matrix Environmental Technologies
Soil Mechanics Environmental Services	Compaction Testing	Soil Mechanics Environmental Services
Broman & Sons	Material Transport	Broman & Sons
MG & Sons Concrete Corp.	Concrete Restoration Work	Bi-County Concrete
Silvestri Landscaping	Landscaping Work	Silvestri Landscaping
Hoyler Electric	Electric System Installation	Hoyler Electric
Utility Detection, Inc.	GPR Utility Detection	Utility Detection, Inc.
Emil Norsic & Son, Inc.	Water and Septic Hookups	Emil Norsic & Son, Inc.
Lindley Brothers Asphalt Paving Inc.	Asphalt Paving	Lindley Brothers Asphalt Paving Inc.
Glacier Drilling, LLC	Deep Drilling	Glacier Drilling, LLC
York Analytical Laboratory (NYSDOH ELAP approved)	Chemical Analysis	York Analytical Laboratory (NYSDOH ELAP approved)
High Point Engineering - Gallas Surveying Group	Surveying	High Point Engineering - Gallas Surveying Group
Bay Crane	Crane Work for Placing Oxygen Generation Enclosure	Bay Crane

TABLE 3
Well and Point Construction Details

ID	Date Installed	Total Depth	Well Diameter	Approx. Depth to Water	Depth to top of Riser and Top of Screen bgs	Length of Screen
		[ft bgs]	[ft]	[ft]	[ft]	[ft]
Monitoring Points - System #1						
MP-1-1D	1/11/2011	89	2	20 - 30	0.5 - 53	35
MP-1-1S	1/5/2011	65	2	20 - 30	0.5 - 24	40
MP-1-2D	1/10/2011	81	2	20 - 30	0.5 - 50	30
MP-1-2S	1/6/2011	52.5	2	20 - 30	0.5 - 21.5	30
MP-1-3D	1/13/2011	78.9	2	20 - 30	0.5 - 47.9	30
MP-1-3S	12/2/2010	49.3	2	20 - 30	0.5 - 18.3	30
MP-1-4D	12/1/2010	69	2	20 - 30	0.5 - 43	25
MP-1-4S	12/1/2010	52	2	20 - 30	0.5 - 21	30
MP-1-5	1/18/2011	100	2	20 - 30	0.5 - 24	75
MP-1-6	1/17/2011	99.5	2	20 - 30	0.5 - 13.5	85
MP-1-7	1/5/2011	84.5	2	20 - 30	0.5 - 18.5	65
MP-1-8	1/6/2011	60.3	2	20 - 30	0.5 - 19.3	40
Delivery Wells - System #1						
OW-1-1	1/4/2011	95.5	1	20 - 30	0.5 - 92.5	2
OW-1-2	1/3/2011	96.3	1	20 - 30	0.5 - 93.3	2
OW-1-3	1/3/2011	96.5	1	20 - 30	0.5 - 93.5	2
OW-1-4	12/8/2010	95	1	20 - 30	0.5 - 92	2
OW-1-5D	12/8/2010	93.9	1	20 - 30	0.5 - 90.9	2
OW-1-5S	12/10/2010	67.3	1	20 - 30	0.5 - 64.3	2
OW-1-6D	12/7/2010	92.4	1	20 - 30	0.5 - 89.4	2
OW-1-6S	12/7/2010	67	1	20 - 30	0.5 - 64	2
OW-1-7D	12/6/2010	91.1	1	20 - 30	0.5 - 88	2
OW-1-7S	12/7/2010	66.9	1	20 - 30	0.5 - 63.9	2
OW-1-8D	12/6/2010	89.6	1	20 - 30	0.5 - 86.6	2
OW-1-8S	12/3/2010	66.7	1	20 - 30	0.5 - 63.7	2
OW-1-9D	12/3/2010	88.5	1	20 - 30	0.5 - 85.5	2
OW-1-9S	12/3/2010	66	1	20 - 30	0.5 - 63	2
OW-1-10D	1/4/2011	87.2	1	20 - 30	0.5 - 84.2	2
OW-1-10S	12/10/2010	54.6	1	20 - 30	0.5 - 51.6	2
OW-1-11D	12/15/2010	86.1	1	20 - 30	0.5 - 83.1	2
OW-1-11S	12/9/2010	54.1	1	20 - 30	0.5 - 51.1	2
OW-1-12D	12/15/2010	85.3	1	20 - 30	0.5 - 82.3	2
OW-1-12S	12/9/2010	53.6	1	20 - 30	0.5 - 50.6	2
OW-1-13D	12/14/2010	84.7	1	20 - 30	0.5 - 81.7	2
OW-1-13S	12/8/2010	53.1	1	20 - 30	0.5 - 50.1	2

TABLE 3
Well and Point Construction Details

ID	Date Installed	Total Depth	Well Diameter	Approx. Depth to Water	Depth to top of Riser and Top of Screen bgs	Length of Screen
		[ft bgs]	[ft]	[ft]	[ft]	[ft]
OW-1-14D	12/14/2010	84.1	1	20 - 30	0.5 - 81.1	2
OW-1-14S	12/8/2010	52.7	1	20 - 30	0.5 - 49.7	2
OW-1-15D	12/10/2010	83.3	1	20 - 30	0.5 - 80.3	2
OW-1-15S	12/7/2010	52.2	1	20 - 30	0.5 - 49.2	2
OW-1-16D	12/10/2010	82.5	1	20 - 30	0.5 - 79.5	2
OW-1-16S	12/7/2010	51.8	1	20 - 30	0.5 - 48.8	2
OW-1-16SR	3/17/2011	51.8	1	20 - 30	0.5 - 48.8	2
OW-1-17D	12/9/2010	79.5	1	20 - 30	0.5 - 76.5	2
OW-1-17S	12/7/2010	50.7	1	20 - 30	0.5 - 47.7	2
OW-1-18D	12/9/2010	78.3	1	20 - 30	0.5 - 75.3	2
OW-1-18S	12/3/2010	50.2	1	20 - 30	0.5 - 47.2	2
OW-1-19D	12/9/2010	78.9	1	20 - 30	0.5 - 75.9	2
OW-1-19S	12/3/2010	49.7	1	20 - 30	0.5 - 46.7	2
OW-1-20D	12/13/2010	79.5	1	20 - 30	0.5 - 76.5	2
OW-1-20S	12/2/2010	49.3	1	20 - 30	0.5 - 46.3	2
OW-1-21D	12/13/2010	79.5	1	20 - 30	0.5 - 76.5	2
OW-1-21S	12/2/2010	49.3	1	20 - 30	0.5 - 46.3	2
OW-1-22D	12/13/2010	79.5	1	20 - 30	0.5 - 76.5	2
OW-1-22S	12/6/2010	49.3	1	20 - 30	0.5 - 46.3	2
OW-1-23D	12/14/2010	78.7	1	20 - 30	0.5 - 75.7	2
OW-1-23S	12/6/2010	48.8	1	20 - 30	0.5 - 45.8	2
OW-1-24D	12/2/2010	78.2	1	20 - 30	0.5 - 75.2	2
OW-1-24S	12/2/2010	48.4	1	20 - 30	0.5 - 45.4	2
OW-1-25D	11/23/2010	78.1	1	20 - 30	0.5 - 75.1	2
OW-1-25S	11/29/2010	48.8	1	20 - 30	0.5 - 45.8	2
OW-1-26D	11/22/2010	78.1	1	20 - 30	0.5 - 75.1	2
OW-1-26S	11/29/2010	48.3	1	20 - 30	0.5 - 45.3	2
OW-1-26SR	3/17/2011	48.2	1	20 - 30	0.5 - 45.2	2
OW-1-27D	11/22/2010	77.9	1	20 - 30	0.5 - 74.9	2
OW-1-27S	11/29/2010	48.3	1	20 - 30	0.5 - 45.3	2
OW-1-28D	11/22/2010	78	1	20 - 30	0.5 - 75	2
OW-1-28S	11/30/2010	48.3	1	20 - 30	0.5 - 45.3	2
OW-1-29D	11/19/2010	78.4	1	20 - 30	0.5 - 75.4	2
OW-1-29S	11/29/2010	48.5	1	20 - 30	0.5 - 45.5	2
OW-1-30D	11/19/2010	79	1	20 - 30	0.5 - 76	2
OW-1-30S	11/29/2010	48.8	1	20 - 30	0.5 - 45.8	2
OW-1-31D	11/19/2010	80.5	1	20 - 30	0.5 - 77.5	2
OW-1-31S	11/30/2010	49.3	1	20 - 30	0.5 - 46.3	2
OW-1-32D	11/18/2010	81.6	1	20 - 30	0.5 - 78.6	2
OW-1-32S	12/1/2010	49.3	1	20 - 30	0.5 - 46.3	2

TABLE 3
Well and Point Construction Details

ID	Date Installed	Total Depth	Well Diameter	Approx. Depth to Water	Depth to top of Riser and Top of Screen bgs	Length of Screen
		[ft bgs]	[ft]	[ft]	[ft]	[ft]
OW-1-33D	11/18/2010	83.2	1	20 - 30	0.5 - 80.2	2
OW-1-33S	12/1/2010	49.7	1	20 - 30	0.5 - 46.7	2
OW-1-34D	11/18/2010	84.5	1	20 - 30	0.5 - 81.5	2
OW-1-34S	11/30/2010	50.1	1	20 - 30	0.5 - 47.1	2
OW-1-35D	11/17/2010	85	1	20 - 30	0.5 - 82	2
OW-1-35S	11/30/2010	50.3	1	20 - 30	0.5 - 47.3	2
OW-1-36D	11/17/2010	85.4	1	20 - 30	0.5 - 82.4	2
OW-1-36S	11/30/2010	50.3	1	20 - 30	0.5 - 47.3	2
OW-1-37D	11/16/2010	84.7	1	20 - 30	0.5 - 81.7	2
OW-1-37S	11/30/2010	50.5	1	20 - 30	0.5 - 47.5	2
OW-1-38D	11/16/2010	82.2	1	20 - 30	0.5 - 79.2	2
OW-1-38S	11/30/2010	50.6	1	20 - 30	0.5 - 47.6	2
OW-1-39D	11/15/2010	78.5	1	20 - 30	0.5 - 75.5	2
OW-1-39S	11/29/2010	50.7	1	20 - 30	0.5 - 47.7	2
OW-1-40D	11/15/2010	76.1	1	20 - 30	0.5 - 73.1	2
OW-1-40S	11/29/2010	51.1	1	20 - 30	0.5 - 48.1	2
OW-1-41D	11/30/2010	73.6	1	20 - 30	0.5 - 70.6	2
OW-1-41S	11/24/2010	51.5	1	20 - 30	0.5 - 48.5	2
OW-1-42D	11/23/2010	71	1	20 - 30	0.5 - 68	2
OW-1-42S	11/24/2010	51.3	1	20 - 30	0.5 - 48.3	2
OW-1-43	12/14/2010	67.4	1	20 - 30	0.5 - 64.4	2
OW-1-44	12/13/2010	66.6	1	20 - 30	0.5 - 63.6	2
OW-1-45	12/13/2010	65.7	1	20 - 30	0.5 - 62.7	2
OW-1-46	11/23/2010	64.3	1	20 - 30	0.5 - 61.3	2
OW-1-47	11/23/2010	63.4	1	20 - 30	0.5 - 60.4	2
OW-1-48	11/22/2010	62.5	1	20 - 30	0.5 - 59.5	2
OW-1-49	11/19/2010	61.5	1	20 - 30	0.5 - 58.5	2
OW-1-50	11/19/2010	60.8	1	20 - 30	0.5 - 57.8	2
OW-1-51	11/18/2010	60.6	1	20 - 30	0.5 - 57.6	2
OW-1-51R	3/17/2011	60.4	1	20 - 30	0.5 - 57.4	2
OW-1-52	11/18/2010	59.3	1	20 - 30	0.5 - 56.3	2
OW-1-53	11/17/2010	60.2	1	20 - 30	0.5 - 57.2	2
OW-1-54	11/17/2010	60.2	1	20 - 30	0.5 - 57.2	2
Monitoring Points - System #2						
MP-2-1	8/26/2010	97	2	20 - 30	0.5 - 26	70
MP-2-2	8/23/2010	94	2	20 - 30	0.5 - 23	70
MP-2-3D	8/23/2010	97	2	20 - 30	0.5 - 76	20
MP-2-3S	8/24/2010	73.5	2	20 - 30	0.5 - 27.5	45
MP-2-4	6/21/2010	70.2	2	20 - 30	0.5 - 19.2	50
MP-2-5	6/21/2010	61.7	2	20 - 30	0.5 - 15.7	45

TABLE 3
Well and Point Construction Details

ID	Date Installed	Total Depth	Well Diameter	Approx. Depth to Water	Depth to top of Riser and Top of Screen bgs	Length of Screen
		[ft bgs]	[ft]	[ft]	[ft]	[ft]
Delivery Wells - System #2						
OW-2-2	7/16/2010	90.2	1	20 - 30	0.5 - 87.2	2
OW-2-3	7/15/2010	94.3	1	20 - 30	0.5 - 91.3	2
OW-2-4	7/15/2010	94.7	1	20 - 30	0.5 - 91.3	2
OW-2-5	7/15/2010	95.3	1	20 - 30	0.5 - 92.3	2
OW-2-6	7/14/2010	95.7	1	20 - 30	0.5 - 92.7	2
OW-2-7	7/14/2010	96	1	20 - 30	0.5 - 93	2
OW-2-8	7/13/2010	96.3	1	20 - 30	0.5 - 93.3	2
OW-2-9D	7/13/2010	96.7	1	20 - 30	0.5 - 93.7	2
OW-2-9S	7/8/2010	75	1	20 - 30	0.5 - 72	2
OW-2-10D	7/8/2010	97.2	1	20 - 30	0.5 - 94.2	2
OW-2-10S	7/7/2010	75	1	20 - 30	0.5 - 72	2
OW-2-11D	7/7/2010	100.8	1	20 - 30	1 - 97.8	2
OW-2-11S	7/6/2010	76.5	1	20 - 30	0.5 - 73.5	2
OW-2-12	7/6/2010	94	1	20 - 30	0.5 - 91	2
OW-2-13D	7/6/2010	97	1	20 - 30	0.5 - 94	2
OW-2-13S	7/2/2010	74	1	20 - 30	0.5 - 71	2
OW-2-14	7/8/2010	96.4	1	20 - 30	0.5 - 93.4	2
OW-2-15D	7/1/2010	94.6	1	20 - 30	0.5 - 91.6	2
OW-2-15S	7/2/2010	75	1	20 - 30	0.5 - 72	2
OW-2-16D	6/30/2010	94.1	1	20 - 30	0.5 - 91.1	2
OW-2-16S	6/30/2010	73.5	1	20 - 30	0.5 - 70.5	2
OW-2-17	6/30/2010	95	1	20 - 30	0.5 - 92	2
OW-2-18D	6/29/2010	95.5	1	20 - 30	0.5 - 92.5	2
OW-2-18S	6/28/2010	74.5	1	20 - 30	0.5 - 71.5	2
OW-2-19	6/28/2010	96.1	1	20 - 30	0.5 - 93.1	2
OW-2-20D	6/28/2010	96.6	1	20 - 30	0.5 - 93.6	2
OW-2-20S	6/28/2010	79	1	20 - 30	0.5 - 76	2
OW-2-21	6/29/2010	96.6	1	20 - 30	0.5 - 93.6	2
OW-2-22D	6/25/2010	96.3	1	20 - 30	0.5 - 93.3	2
OW-2-22S	6/22/2010	76	1	20 - 30	0.5 - 73	2
OW-2-23	6/25/2010	97.2	1	20 - 30	0.5 - 94.2	2
OW-2-24D	6/24/2010	97	1	20 - 30	0.5 - 94	2
OW-2-24S	6/21/2010	77.8	1	20 - 30	0.5 - 74.8	2
OW-2-25	6/24/2010	96	1	20 - 30	0.5 - 93	2
OW-2-26D	6/24/2010	95	1	20 - 30	0.5 - 92	2
OW-2-26S	6/21/2010	74	1	20 - 30	0.5 - 71	2
OW-2-27	6/23/2010	93.5	1	20 - 30	0.5 - 90.5	2
OW-2-28D	6/23/2010	92.1	1	20 - 30	0.5 - 89.1	2
OW-2-28S	6/17/2010	76	1	20 - 30	0.5 - 73	2

TABLE 3
Well and Point Construction Details

ID	Date Installed	Total Depth	Well Diameter	Approx. Depth to Water	Depth to top of Riser and Top of Screen bgs	Length of Screen
		[ft bgs]	[ft]	[ft]	[ft]	[ft]
OW-2-29	6/23/2010	92.2	1	20 - 30	0.5 - 89.2	2
OW-2-30D	6/23/2010	88	1	20 - 30	0.5 - 85	2
OW-2-30S	6/10/2010	67.8	1	20 - 30	0.5 - 64.8	2
OW-2-31	6/23/2010	86	1	20 - 30	0.5 - 83	2
OW-2-32	6/22/2010	84	1	20 - 30	0.5 - 81	2
OW-2-33	6/22/2010	82.1	1	20 - 30	0.5 - 79.1	2
OW-2-34	6/9/2010	71	1	20 - 30	0.5 - 68	2
OW-2-35	6/8/2010	69.2	1	20 - 30	0.5 - 66.2	2
OW-2-36	6/4/2010	64.8	1	20 - 30	0.5 - 61.8	2
OW-2-37	6/3/2010	62.8	1	20 - 30	0.5 - 59.8	2
OW-2-38	6/3/2010	62.1	1	20 - 30	0.5 - 59.1	2
OW-2-39	6/2/2010	60	1	20 - 30	0.5 - 57	2
OW-2-40	6/2/2010	61.7	1	20 - 30	0.5 - 58.7	2
OW-2-41	6/1/2010	61.7	1	20 - 30	0.5 - 58.7	2
OW-2-42	6/1/2010	61.6	1	20 - 30	0.5 - 58.6	2
OW-2-43	5/28/2010	61.4	1	20 - 30	0.5 - 58.4	2
OW-2-44	5/27/2010	60.6	1	20 - 30	0.5 - 57.6	2
OW-2-44R	8/27/2010	61.3	1	20 - 30	0.5 - 58.3	2
OW-2-45	5/27/2010	61.1	1	20 - 30	0.5 - 58.1	2
OW-2-46	5/26/2010	61	1	20 - 30	1 - 58	2
OW-2-47	5/26/2010	60.5	1	20 - 30	0.5 - 57.5	2
Groundwater Monitoring Wells						
HIMW-22	5/3/2011	65	2	20 - 30	0.5 - 54	10
HIMW-23	4/29/2011	77	2	20 - 30	0.5 - 66	10
HIMW-24	4/28/2011	55.6	2	20 - 30	0.5 - 44.6	10
HIMW-25	4/28/2011	53	2	20 - 30	0.5 - 42	10

Notes: amsl - above mean sea level
bgs - below ground surface

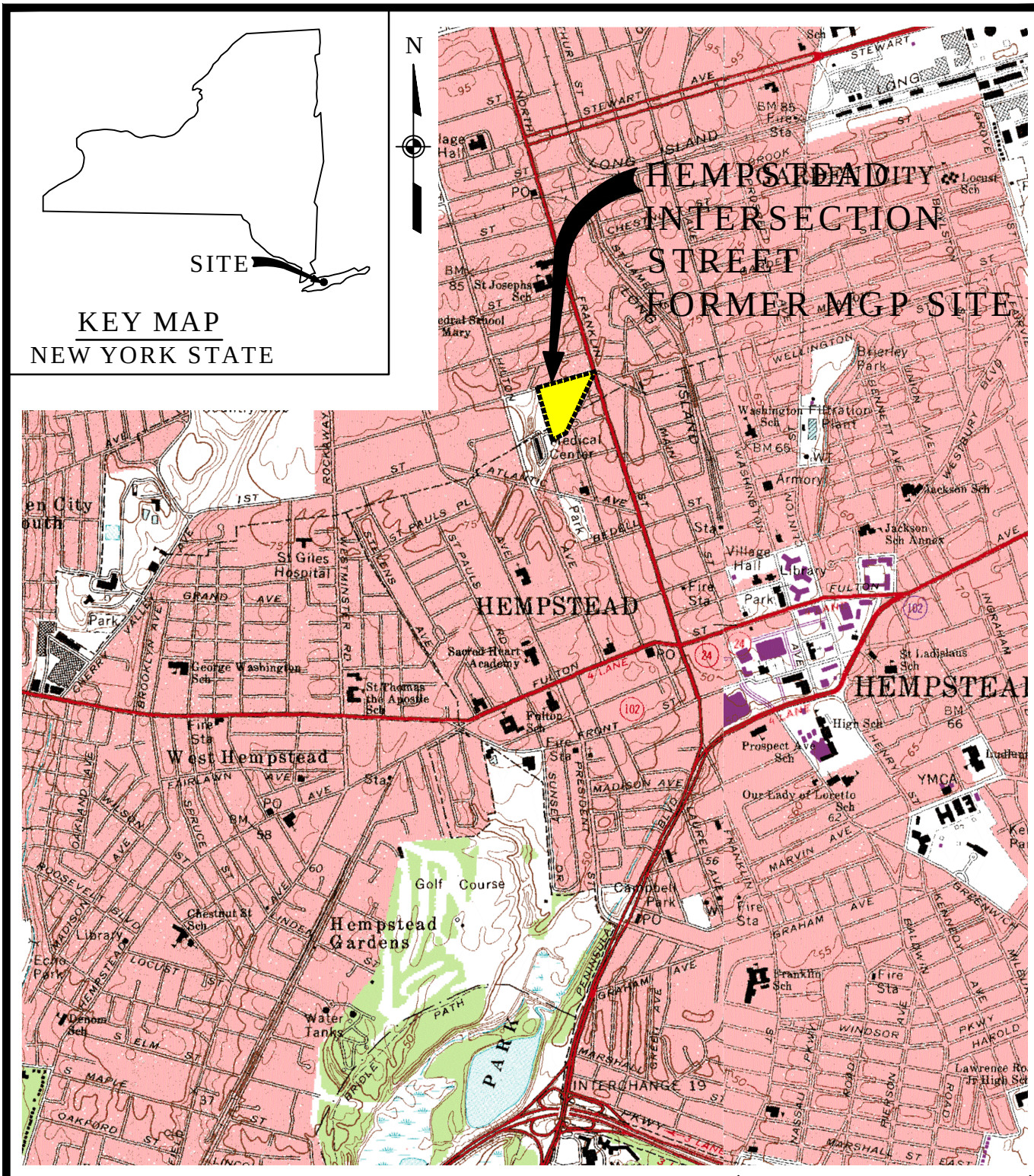
Source - Appendix C Boring Logs

TABLE 4
Waste Disposal Information

SHIP DATE	DISPOSAL FACILITY	TICKET NUMBER	MATERIAL	TRUCK	MANIFEST	QUANTITY	UNITS
10/1/2010	Clean Water of NY, Staten Island, NY	1002464	Non-haz purge water	VAC #27	2797334	**1577.00**	**gallons**
1/13/2011	Clean Earth, Philadelphia, PA	93100043	Non-haz MGP Contaminated Soil from drilling	ETGI297	347349	24.31	tons
3/3/2011	Clean Earth, Philadelphia, PA	93100043	Non-haz MGP Contaminated Soil from drilling	ETGI297	347319	13.09	tons
				Subtotal, Clean Earth		**37.40**	**tons**
8/31/2011	110 Sand Company, West Babylon, NY	821425	Non-haz MGP soil	1631		33.12	tons
8/31/2011	110 Sand Company, West Babylon, NY	821437	Non-haz MGP soil	6602		35.01	tons
8/31/2011	110 Sand Company, West Babylon, NY	821463	Non-haz MGP soil	3306		40.47	tons
8/31/2011	110 Sand Company, West Babylon, NY	821558	Non-haz MGP soil	1631		28.15	tons
8/31/2011	110 Sand Company, West Babylon, NY	821563	Non-haz MGP soil	6602		36.66	tons
8/31/2011	110 Sand Company, West Babylon, NY	821594	Non-haz MGP soil	3306		34.86	tons
8/31/2011	110 Sand Company, West Babylon, NY	821635	Non-haz MGP soil	1631		35.20	tons
				Subtotal, 110 Sand Company		**243.47**	**tons**

TABLE 4
Waste Disposal Information

FIGURES AND RECORD DRAWINGS



SOURCE:
USGS 7.5 MINUTE SERIES
TOPOGRAPHICAL QUANDRANGLES:
FREEPORT, NY (1969)
LYNBROOK, NY (1969)

OFF-SITE GROUNDWATER TREATMENT

CONSTRUCTION COMPLETION REPORT

SITE LOCATION MAP

DATE: SEPT. 2015

FIGURE 1

URS Corporation

NATIONAL GRID
HEMPSTEAD INTERSECTION STREET
FORMER MGP SITE
HEMPSTEAD/GARDEN CITY, NY

J:\Projects\11175065.00000\CAD\DRAFT\TASK2\HEMPSTEAD\SITE-WIDE REMEDY\GROUNDWATER TREATMENT\CCR\Figures Update Sept 2015\FIGURE 1.dwg, 9/14/15, 1:- RAL

DGP-209 (11/11/08)		
DEPTH	TOT. BTEX	TOT. PAHs
34–38	1,709	1,066
40–44	4,980	645
50–54	3,859	1,297
70–74	2	3

HIGP-01 (8/7/00)		
DEPTH	TOT. BTEX	TOT. PAHs
25–29	ND	ND
56–60	1	1

HIGP-02 (8/8/00)		
DEPTH	TOT. BTEX	TOT. PAHs
31–35	ND	ND
56–60	ND	ND

HIGP-03 (7/28/00)		
DEPTH	TOT. BTEX	TOT. PAHs
33–37	ND	ND
56–60	ND	ND

HIGP-04 (7/24/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
56–60	ND	2

HIGP-28 (8/4/00)		
DEPTH	TOT. BTEX	TOT. PAHs
29–33	17	22
58–62	2,640	5,933

HIGP-40 (8/7/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	4,166	9,815
56–60	4	112

HIGP-41 (8/11/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	2,241	3,258
58–62	1	17

HIGP-44 (8/10/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	469	244
57–61	3	47

HIGP-45 (10/17/00)		
DEPTH	TOT. BTEX	TOT. PAHs
32–38	1,229	1,254
60–64	ND	ND

HIGP-47 (8/22/00)		
DEPTH	TOT. BTEX	TOT. PAHs
31–35	6,670	18,715
60–64	500	369

HIGP-48 (8/25/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	2
60–64	766	926

HIGP-49 (10/16/00)		
DEPTH	TOT. BTEX	TOT. PAHs
36–40	ND	ND
60–64	7	63
90–94	ND	16

HIGP-50 (9/8/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	8
60–64	ND	ND

HIGP-51 (8/31/00)		
DEPTH	TOT. BTEX	TOT. PAHs
28–32	ND	ND
58–60	ND	ND

HIGP-52 (9/11/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	1,031	2,629
58–60	ND	ND

HIGP-53 (9/1/00)		
DEPTH	TOT. BTEX	TOT. PAHs
27–31	76	317
60–64	15	35
90–94	1	ND

HIGP-54 (9/5/00)		
DEPTH	TOT. BTEX	TOT. PAHs
33–37	ND	1
60–64	373	338
90–94	3	ND

HIGP-55 (9/7/00)		
DEPTH	TOT. BTEX	TOT. PAHs
23–27	31	244
60–64	69	532
80–84	2	ND

HIGP-56 (10/9/00)		
DEPTH	TOT. BTEX	TOT. PAHs
24–28	ND	2
60–64	ND	ND

HIGP-57 (9/21/00)		
DEPTH	TOT. BTEX	TOT. PAHs
36–40	ND	ND
64–68	ND	ND

HIGP-59 (10/17/00)		
DEPTH	TOT. BTEX	TOT. PAHs
34–38	1	ND
60–64	ND	2
90–94	27	4

HIGP-60 (10/19/00)		
DEPTH	TOT. BTEX	TOT. PAHs
33–37	ND	ND
60–64	ND	ND
90–94	ND	ND

HIGP-61 (11/8/00)		
DEPTH	TOT. BTEX	TOT. PAHs
26–30	ND	ND
60–64	30	39
90–94	2	2

HIGP-62 (11/8/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37–41	8	4
54–58	771	152
84–89	45	89

HIGP-63 (12/15/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37–41	2	3
54–58	18	22
72–76	3,979	2,769
90–94	773	63

HIGP-64 (12/18/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37–41	27	17
54–58	4,031	1,574
72–76	401	239
90–94	14	48

HIGP-65 (12/19/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37–41	2	ND
54–58	376	125
72–76	775	190
90–94	36	59

HIGP-66 (12/14/00)		
DEPTH	TOT. BTEX	TOT. PAHs
40–44	ND	1
56–60	8	60
72–76	398	787
90–94	12,970	259

HIGP-67 (12/20/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37–41	ND	ND
54–58	ND	ND
72–76	ND	27
90–94	ND	ND

HIGP-68 (12/20/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37–41	3	5
54–58	163	300
72–76	ND	ND
90–94	ND	ND

HIGP-69 (9/24/01)		
DEPTH	TOT. BTEX	TOT. PAHs
54–58	ND	ND
70–74	28	28
82–86	126	76
90–94	12	19
104–108	5	ND

HIGP-70 (9/20/01)		
DEPTH	TOT. BTEX	TOT. PAHs
54–58	ND	0
70–74	21	20
82–86	29	38
92–96	15	18
110–114	3	6
140–144	3	ND

HIGP-71 (11/6/01)		
DEPTH	TOT. BTEX	TOT. PAHs
46–50	ND	ND
54–58	ND	ND
62–66	1	7
72–76	29	84
81–85	126	95

HIGP-72 (11/6/01)		
DEPTH	TOT. BTEX	TOT. PAHs
52–56	ND	ND
62–66	ND	ND
72–76	ND	ND
82–86	ND	ND
92–96	ND	ND

HIMW-03S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
23–33	ND–36	ND
80.5–90.5	ND–13	ND
133–143	ND–8.2	ND–30

HIMW-04S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
30–40	ND–33	ND–6
80–90	ND–13	ND
167–177	ND–4	ND–1

HIMW-05S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
27–37	ND–232	ND–765
80–90	158–439	1,454–5,337
130–140	ND–186.1	ND–503

HIMW-08S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
25–35	ND–8,240	ND–3,069
63–73	ND–8.6	ND–251
102–112	ND–16	ND–46

HIMW-09S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
28–38	ND–19	ND–16
70–80	ND–2	ND
113–123	ND–16	ND–10

HIMW-10S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
28–38	ND–33	1–150
80.5–90.5	ND–13	ND
112.5–132.5	ND–16	ND

HIMW-12S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
22–32	ND–11	ND–4
63–73	29.2–256	65–527
117–127	ND–6	ND–2

HIMW-13S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
38–48	ND–143	ND
70–80	ND–164	58–156
110–120	ND–30	ND–21

HIMW-14 I,D		
DEPTH	TOT. BTEX	TOT. PAHs
85–95	56.5–273	33–288
140–150	ND–15	ND

HIMW-15 I,D		
DEPTH	TOT. BTEX	TOT. PAHs
80–90	4–111	ND–273
141.5–151.5	ND–94	ND–1

HIMW-20S,I (2/09)		
DEPTH	TOT. BTEX	TOT. PAHs
25–35	ND	ND
63–73	215.6–224	96–179

HISB-100 (11/19/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	12,000	1,576
50–54	441	332
60–64	1,470	599
70–74	747	1,809
80–84	22	21

HISB-101 (11/19/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	122	190
40–44	14,100	4,356
50–54	4,040	3,244
60–64	1,995	2,074
70–74	4	4
80–84	1	2

HISB-102 (12/1/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	1,800	2,706
40–44	835	1,119
50–54	225	2,735
60–64	ND	10
70–74	1	4
80–84	76	130

HISB-102(2) (1/8/09)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	423	859
40–44	464	274
50–54	349	652
60–64	68	453
70–74	5	5
80–84	ND	1

HISB-103 (12/1/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	4	6
50–54	84	171
60–64	ND	ND
70–74	ND	ND
80–84	5	9

HISB-104 (9/24/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
45–49	ND	ND
55–59	ND	ND

HISB-105 (12/4/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	ND	518
50–54	469	ND
60–64	1,043	3,058
70–74	60	59
80–84	279	576
90–94	48	99

HISB-105(2) (12/18/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	15	19
40–44	14	35
50–54	247	912
60–64	560	2,941
70–74	59	34
80–84	14	69
90–94	24	221
100–104	1	ND

HISB-106 (12/4/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	418	602
40–44	1,162	383
50–54	1,800	2,513
60–64	815	572
70–74	68	51
80–84	38	30
90–94	124	98

HISB-107 (12/8/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	217	47
50–54	551	258
60–64	29	68
70–74	ND	ND
80–84	ND	ND
90–94	24	8

HISB-108 (12/9/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	ND	ND
50–54	ND	ND
60–64	ND	ND
70–74	12	1
80–84	20	1
90–94	26	2

HISB-109 (12/10/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	ND	ND
50–54	8	ND
60–64	19	ND
70–74	28	ND
80–84	31	2
90–94	ND	ND

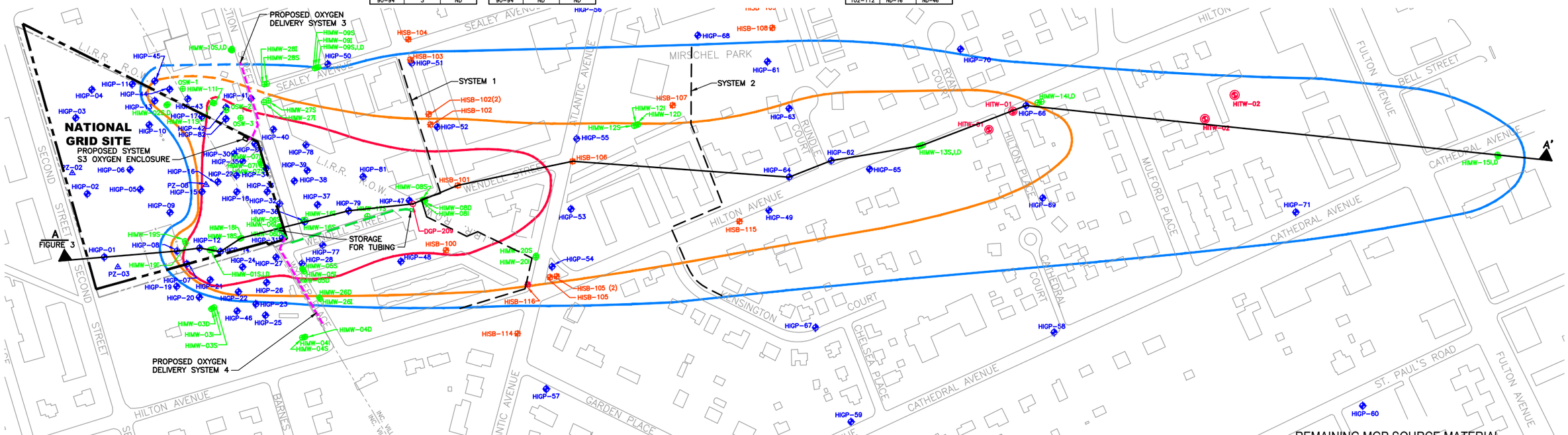
HISB-114 (12/23/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	ND	ND
50–54	ND	ND
60–64	ND	ND
70–74	ND	ND
80–84	ND	ND
90–94	ND	ND

HISB-115 (1/14/09)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	15
40–44	9	14
50–54	288	265
60–64	125	133
70–74	1,411	1,153
80–84	123	99
90–94	56	67

HISB-116 (6/23/09)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	ND	ND
50–54	1.3	ND
60–64	100	192
70–74	6	37
80–84	91	330
90–94	100	451
100–104	292	604

HITW-01 (9/21/01)		
DEPTH	TOT. BTEX	TOT. PAHs
40–44	2	ND
54–58	3	6
70–74	95	278
82–86	293	274
90–94	45	44
109–113	210	1

HITW-02 (10/31/01)		
DEPTH	TOT. BTEX	TOT. PAHs
55–60	2	ND
65–70	5	9
75–80	9	40
85–90	29	52
115–120	42	ND
148–153	9	0



LEGEND:

HITW-02 TEMPORARY GROUNDWATER MONITORING WELL (TAKEN FROM RI REPORT, 2006)

HIGP-53 TEMPORARY GROUNDWATER SAMPLE LOCATION (TAKEN FROM RI REPORT, 2006)

HIMW-13 MONITORING WELL

PZ-02 PIEZOMETER

HISB-114 TEMPORARY GROUNDWATER SAMPLE LOCATION (URS, 2008–2009)

ND NOT DETECTED

LOCATION ID → HIGP-60 (10/19/00) ← SAMPLE DATE

DEPTH (ft bgs) →

DEPTH	TOT. BTEX	TOT. PAHs
33–37	ND	ND
60–64	ND	ND
90–94	ND	ND

← CONCENTRATION UNITS ARE ug/L

* SOME LOCATIONS ON SITE AND ADJACENT TO SITE ARE NOT SHOWN FOR FIGURE CLARITY.

EXISTING HOUSE OR BUILDING

NATIONAL GRID PROPERTY BOUNDARY

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS EQUAL TO OR GREATER THAN 5,000 ug/L

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS EQUAL TO OR GREATER THAN 1,000 ug/L

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS EQUAL TO OR GREATER THAN 100 ug/L

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS. DASHED LINES REPRESENT CONTAMINATION CONCENTRATIONS THAT ARE LIKELY INFLUENCED BY THIRD PARTY SOURCES.

POTENTIAL FUTURE OXYGEN DELIVERY SYSTEM

OXYGEN DELIVERY TUBING FOR OXYGEN DELIVERY SYSTEM 4

URS Corporation

NATIONAL GRID
HEMPSTEAD INTERSECTION STREET
FORMER MGP SITE
HEMPSTEAD/GARDEN CITY, NY

OFF-SITE GROUNDWATER TREATMENT

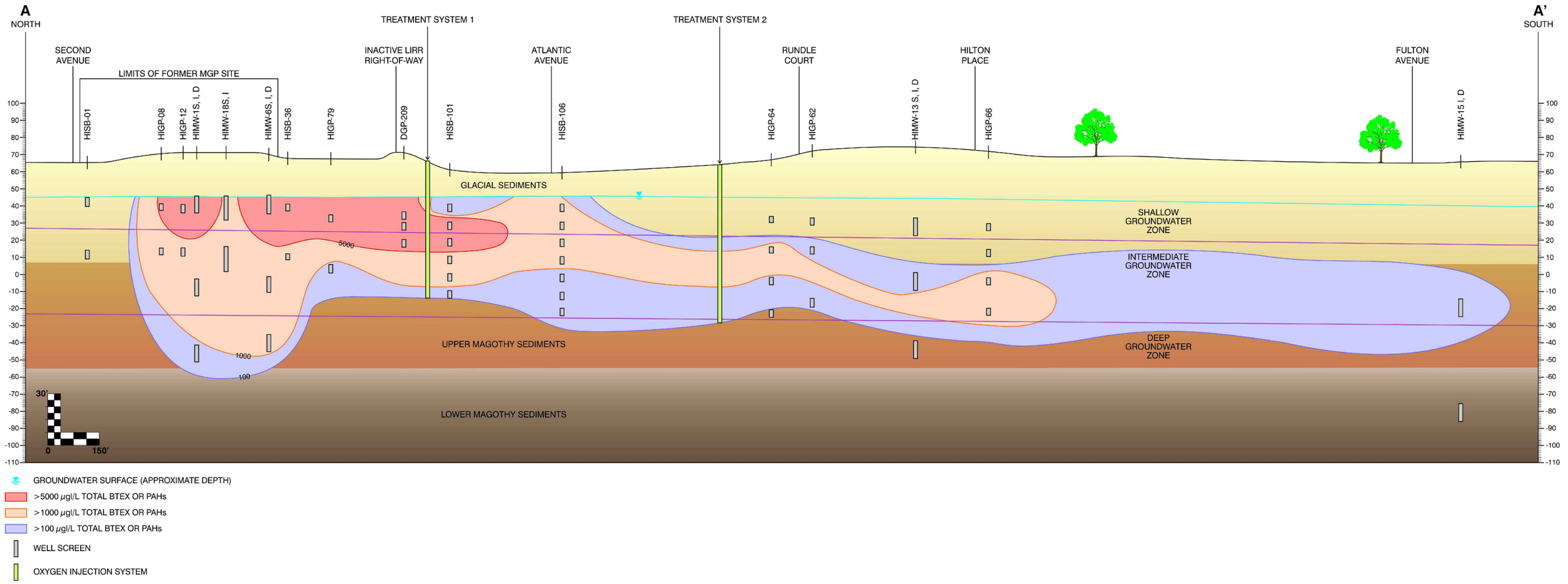
CONSTRUCTION COMPLETION REPORT

SITE PLAN, SAMPLE LOCATIONS, AND EXTENT OF DISSOLVED PHASE GROUNDWATER PLUME (JAN. 2010)

DATE: SEPT. 2015

FIGURE 2

J:\Projects\11175065.00000\CAD\DRAFT\TASK2\HEMPSTEAD\SITE-WIDE REMEDY\GROUNDWATER TREATMENT\CCR\Figures Update Sept 2015\FIGURE 2.dwg 9/14/15 - 2 RAL



J:\Projects\111759\65.00000\CAD\DRAFT\TASK2\HEMPSTEAD\SITE-WIDE REMEDY\GROUNDWATER TREATMENT\CCR\Figures Update Sept 2015\FIGURE 3.dwg 9/14/15 - 1 EJH

URS Corporation	NATIONAL GRID HEMPSTEAD INTERSECTION STREET FORMER MGP SITE HEMPSTEAD/GARDEN CITY, NY	OFF-SITE GROUNDWATER TREATMENT CONSTRUCTION COMPLETION REPORT	DISSOLVED PHASE GROUNDWATER PLUME SECTION A-A' (JAN. 2010) DATE: SEPT. 2015 FIGURE 3

DGP-209 (11/11/08)		
DEPTH	TOT. BTEX	TOT. PAHs
34–38	1,709	1,066
40–44	4,980	645
50–54	3,859	1,297
70–74	2	3

HIGP-40 (8/7/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	4,166	9,815
56–60	4	112

HIGP-49 (10/16/00)		
DEPTH	TOT. BTEX	TOT. PAHs
36–40	ND	ND
60–64	7	63
90–94	ND	16

HIGP-55 (9/7/00)		
DEPTH	TOT. BTEX	TOT. PAHs
23–27	31	244
60–64	69	532
80–84	2	ND

HIGP-61 (11/8/00)		
DEPTH	TOT. BTEX	TOT. PAHs
26–30	ND	ND
60–64	30	39
90–94	2	2

HIGP-66 (12/14/00)		
DEPTH	TOT. BTEX	TOT. PAHs
40–44	ND	1
56–60	8	60
72–76	398	787
90–94	12,970	259

HIGP-71 (11/6/01)		
DEPTH	TOT. BTEX	TOT. PAHs
46–50	ND	ND
54–58	ND	ND
62–66	1	7
72–76	29	84
81–85	126	95

HIMW-009S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
28–38	ND–16	ND–8
70–80	ND–2	ND
113–123	ND–16	ND–10

HIMW-020S,I		
DEPTH	TOT. BTEX	TOT. PAHs
25–35	ND–3 (ND)	ND–5 (ND)
63–73	1–474 (6)	ND–3,968 (18)

HISB-100 (11/19/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	12,000	1,576
50–54	441	332
60–64	1,470	599
70–74	747	1,809
80–84	22	21

HISB-104 (9/24/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
45–49	ND	ND
55–59	ND	ND

HISB-108 (12/9/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	ND	ND
50–54	ND	ND
60–64	ND	ND
70–74	12	1
80–84	20	1
90–94	26	2

HISB-117 (4/22/10)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	ND	ND
50–54	ND	ND
60–64	ND	ND
70–74	ND	2
80–84	2	32
90–94	ND	2
100–104	ND	ND

HIGP-01 (8/7/00)		
DEPTH	TOT. BTEX	TOT. PAHs
25–29	ND	ND
56–60	1	1

HIGP-41 (8/11/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	2,241	3,258
58–62	1	17

HIGP-50 (9/8/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	8
60–64	ND	ND

HIGP-56 (10/9/00)		
DEPTH	TOT. BTEX	TOT. PAHs
24–28	ND	2
60–64	ND	ND

HIGP-62 (11/8/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37–41	8	4
54–58	771	152
84–89	45	89

HIGP-67 (12/20/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37–41	ND	ND
54–58	ND	ND
72–76	ND	27
90–94	ND	ND

HIGP-72 (11/6/01)		
DEPTH	TOT. BTEX	TOT. PAHs
52–56	ND	ND
62–66	ND	ND
72–76	ND	ND
82–86	ND	ND
92–96	ND	ND

HIMW-010S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
28–38	ND–33	1–150
80.5–90.5	ND–13	ND
112.5–132.5	ND–16	ND

HIMW-022		
DEPTH	TOT. BTEX	TOT. PAHs
54–64	ND–83 (ND)	ND–91 (3)

HISB-101 (11/19/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	122	190
40–44	14,100	4,356
50–54	4,040	3,244
60–64	1,995	2,074
70–74	4	4
80–84	1	2

HISB-105 (12/4/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	ND	518
50–54	469	ND
60–64	1,043	3,058
70–74	60	59
80–84	279	576
90–94	48	99

HIGP-109 (12/10/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	ND	ND
50–54	8	ND
60–64	19	ND
70–74	28	ND
80–84	31	2
90–94	ND	ND

HISB-119 (4/14/10)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	2
40–44	ND	1
50–54	ND	2
60–64	ND	ND
70–74	ND	4
80–84	ND	16
90–94	ND	4

HIGP-02 (8/8/00)		
DEPTH	TOT. BTEX	TOT. PAHs
31–35	ND	ND
56–60	ND	ND

HIGP-44 (8/10/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	469	244
57–61	3	47

HIGP-51 (8/31/00)		
DEPTH	TOT. BTEX	TOT. PAHs
28–32	ND	ND
58–60	ND	ND

HIGP-57 (9/21/00)		
DEPTH	TOT. BTEX	TOT. PAHs
36–40	ND	ND
64–68	ND	ND

HIGP-63 (12/15/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37–41	2	3
54–58	18	22
72–76	3,979	2,769
90–94	773	63

HIGP-68 (12/20/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37–41	3	5
54–58	163	300
72–76	ND	ND
90–94	ND	ND

HIMW-003S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
23–33	ND–36	ND
80.5–90.5	ND–13	ND
133–143	ND–8.2	ND–30

HIMW-012S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
22–32	ND–338.8 (ND)	ND–1,391 (ND)
63–73	6–256 (7)	65–527 (70)
117–127	ND–6 (ND)	ND–2 (ND)

HIMW-023		
DEPTH	TOT. BTEX	TOT. PAHs
66–76	ND–43 (ND)	ND–43 (ND)

HIMW-024		
DEPTH	TOT. BTEX	TOT. PAHs
44.6–54.6	ND–900 (9)	ND–1,024 (2)

HISB-102 (12/1/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	1,800	2,706
40–44	835	1,119
50–54	225	2,735
60–64	ND	10
70–74	1	4
80–84	76	130

HISB-105(2) (12/18/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	15	19
40–44	14	35
50–54	247	912
60–64	560	2,941
70–74	59	34
80–84	14	69
90–94	24	221
100–104	1	ND

HISB-114 (12/23/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	ND	ND
50–54	ND	ND
60–64	ND	ND
70–74	ND	ND
80–84	ND	ND
90–94	ND	ND

HITW-01 (9/21/01)		
DEPTH	TOT. BTEX	TOT. PAHs
40–44	2	ND
54–58	3	6
70–74	95	278
82–86	293	274
90–94	45	44
109–113	210	1

HIGP-03 (7/28/00)		
DEPTH	TOT. BTEX	TOT. PAHs
33–37	ND	ND
56–60	ND	ND

HIGP-45 (10/17/00)		
DEPTH	TOT. BTEX	TOT. PAHs
32–38	1,229	1,254
60–64	ND	ND

HIGP-52 (9/11/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	1,031	2,629
58–60	ND	ND

HIGP-58 (10/18/00)		
DEPTH	TOT. BTEX	TOT. PAHs
36–40	ND	ND
60–64	ND	ND
90–94	ND	ND

HIGP-64 (12/18/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37–41	27	17
54–58	4,031	1,574
72–76	401	239
90–94	14	48

HIGP-69 (9/24/01)		
DEPTH	TOT. BTEX	TOT. PAHs
54–58	ND	ND
70–74	28	28
82–86	126	76
90–94	12	19
104–108	5	ND

HIMW-004S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
30–40	ND–4	ND–1
80–90	ND–13	ND
167–177	ND–4	ND–1

HIMW-013S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
38–48	ND–11	ND
70–80	ND–313 (2)	3–156 (3)
110–120	2–30 (3)	ND–28 (21)

HIMW-26 I,D		
DEPTH	TOT. BTEX	TOT. PAHs
65–85	ND (ND)	ND (ND)
115–135	19–70 (19)	794–1,749 (1,050)

HIMW-025		
DEPTH	TOT. BTEX	TOT. PAHs
42–52	ND–1,320 (ND)	ND–573 (ND)

HISB-102(2) (1/8/09)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	423	859
40–44	464	274
50–54	349	652
60–64	68	453
70–74	5	5
80–84	ND	1

HISB-106 (12/4/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	418	602
40–44	1,162	383
50–54	1,800	2,513
60–64	815	572
70–74	68	51
80–84	38	30
90–94	124	98

HISB-115 (1/14/09)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	15
40–44	9	14
50–54	288	265
60–64	125	133
70–74	1,411	1,153
80–84	123	99
90–94	56	67

HITW-02 (10/31/01)		
DEPTH	TOT. BTEX	TOT. PAHs
55–60	2	ND
65–70	5	9
75–80	9	40
85–90	29	52
115–120	42	ND
148–153	9	0

HIGP-04 (7/24/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
56–60	ND	2

HIGP-47 (8/22/00)		
DEPTH	TOT. BTEX	TOT. PAHs
31–35	6,670	18,715
60–64	500	369

HIGP-53 (9/1/00)		
DEPTH	TOT. BTEX	TOT. PAHs
27–31	76	317
60–64	15	35
90–94	1	ND

HIGP-59 (10/17/00)		
DEPTH	TOT. BTEX	TOT. PAHs
34–38	1	ND
60–64	ND	2
90–94	27	4

HIGP-65 (12/19/00)		
DEPTH	TOT. BTEX	TOT. PAHs
37–41	2	ND
54–58	376	125
72–76	775	190
90–94	36	59

HIGP-70 (9/20/01)		
DEPTH	TOT. BTEX	TOT. PAHs
54–58	ND	0
70–74	21	20
82–86	29	38
92–96	15	18
110–114	3	6
140–144	3	ND

HIMW-005S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
27–37	ND–232 (1)	ND–765 (ND)
80–90	70–439 (67)	1,454–5,337 (2,115)
130–140	ND–359 (56)	ND–2,698 (775)

HIMW-014 I,D		
DEPTH	TOT. BTEX	TOT. PAHs
85–95	3–273 (8)	26–288 (32)
140–150	ND–15	ND

HIMW-027S, I		
DEPTH	TOT. BTEX	TOT. PAHs
20–40	765–1,483 (1,467)	1,441–2,117 (2,117)
50–70	ND–2 (ND)	ND–17 (ND)

HISB-103 (12/1/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	4	6
50–54	84	171
60–64	ND	ND
70–74	ND	ND
80–84	5	9

HISB-107 (12/8/08)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	217	47
50–54	551	258
60–64	29	68
70–74	ND	ND
80–84	ND	ND
90–94	24	8

HISB-116 (6/23/09)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	ND
40–44	ND	ND
50–54	1.3	ND
60–64	100	192
70–74	6	37
80–84	91	330
90–94	100	451
100–104	292	604

OSMW-02		
DEPTH	TOT. BTEX	TOT. PAHs
30–40	2,604	3,517

OSMW-03		
DEPTH	TOT. BTEX	TOT. PAHs
29–39	4,301	2,911

HIGP-28 (8/4/00)		
DEPTH	TOT. BTEX	TOT. PAHs
29–33	17	22
58–62	2,640	5,933

HIGP-48 (8/25/00)		
DEPTH	TOT. BTEX	TOT. PAHs
30–34	ND	2
60–64	766	926

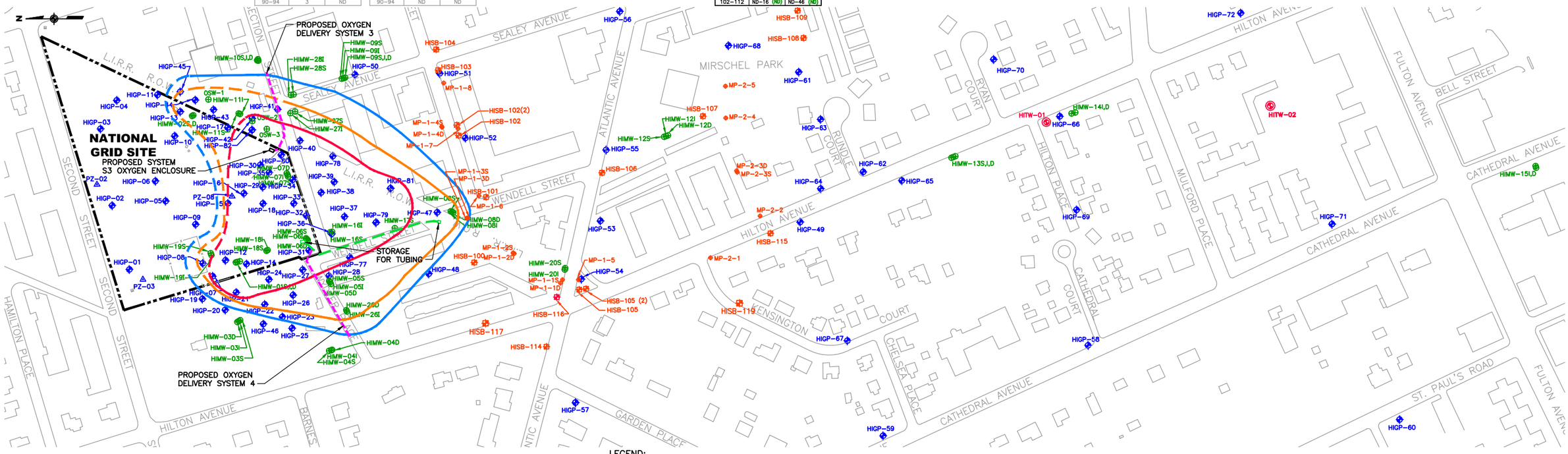
HIGP-54 (9/5/00)		
DEPTH	TOT. BTEX	TOT. PAHs
33–37	ND	1
60–64	373	338
90–94	3	ND

HIGP-60 (10/19/00)		
DEPTH	TOT. BTEX	TOT. PAHs
33–37	ND	ND
60–64	ND	ND
90–94	ND	ND

HIMW-008S,I,D		
DEPTH	TOT. BTEX	TOT. PAHs
25–35	ND–8,240 (2,107)	ND–3,069 (168)
63–73	ND–457 (ND)	ND–251 (ND)
102–112	ND–16 (ND)	ND–46 (ND)

HIMW-015 I,D		
DEPTH	TOT. BTEX	TOT. PAHs
80–90	5–111 (15)	ND–273 (39)
141.5–151.5	ND–94 (ND)	ND–1 (ND)

HIMW-028S,I		
DEPTH	TOT. BTEX	TOT. PAHs
20–40	131–175 (136)	372–515 (433)
50–70	ND (ND)	ND (ND)



LEGEND:

HITW-02 TEMPORARY GROUNDWATER MONITORING WELL (TAKEN FROM RI REPORT, 2006)

HIGP-53 TEMPORARY GROUNDWATER SAMPLE LOCATION (TAKEN FROM RI REPORT, 2006)

MP-2-1 OXYGEN SYSTEM MONITORING WELL

HIMW-13 MONITORING WELL

PZ-02 PIEZOMETER

PZ-08 ABANDONED PIEZOMETER

HISB-114 TEMPORARY GROUNDWATER SAMPLE LOCATION (URS, 2008–2009)

NA NOT ANALYZED

ND NOT DETECTED

LOCATION ID → HIMW-015 I,D

DEPTH (ft bgs) →	TOT. BTEX	TOT. PAHs
80–90	5–111 (15)	ND–273 (39) ← CONCENTRATION UNITS ARE ug/L (APRIL 20115 CONCENTRATION)
141.5–151.5	ND–94 (ND)	ND–1 (ND)

* SOME LOCATIONS ON SITE AND ADJACENT TO SITE ARE NOT SHOWN FOR FIGURE CLARITY.

EXISTING HOUSE OR BUILDING

NATIONAL GRID PROPERTY BOUNDARY

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS EQUAL TO OR GREATER THAN 5,000 ug/L

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS EQUAL TO OR GREATER THAN 1,000 ug/L

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS EQUAL TO OR GREATER THAN 100 ug/L

ESTIMATED EXTENT OF GROUNDWATER PLUME AS DEFINED BY TOTAL BTEX OR TOTAL PAH CONCENTRATIONS, DASHED LINES REPRESENT CONTAMINATION CONCENTRATIONS THAT ARE LIKELY INFLUENCED BY THIRD PARTY SOURCES.

POTENTIAL FUTURE OXYGEN DELIVERY SYSTEM

OXYGEN DELIVERY TUBING FOR OXYGEN DELIVERY SYSTEM 4

150' 0 150'
SCALE IN FEET

URS Corporation

NATIONAL GRID
HEMPSTEAD INTERSECTION STREET
FORMER MGP SITE
HEMPSTEAD/GARDEN CITY, NY

OFF-SITE GROUNDWATER TREATMENT

CONSTRUCTION COMPLETION REPORT

SITE PLAN, SAMPLE LOCATIONS, AND EXTENT OF DISSOLVED PHASE GROUNDWATER PLUME (APRIL 2015)

DATE: SEPT. 2015

FIGURE 4

J:\Projects\11175065.00000\CAD\DRAFT\TASK2\HEMPSTEAD\SITE-WIDE REMEDY\GROUNDWATER TREATMENT\CCR\Figures Update Sept 2015\FIGURE 4.dwg 9/14/15 - 5 RAL

nationalgrid

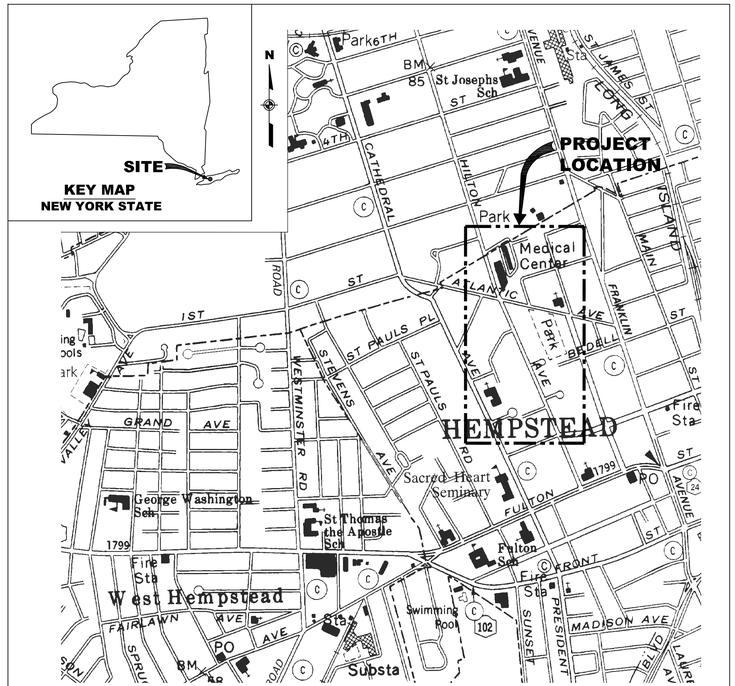
GROUNDWATER REMEDIATION SYSTEM

FOR

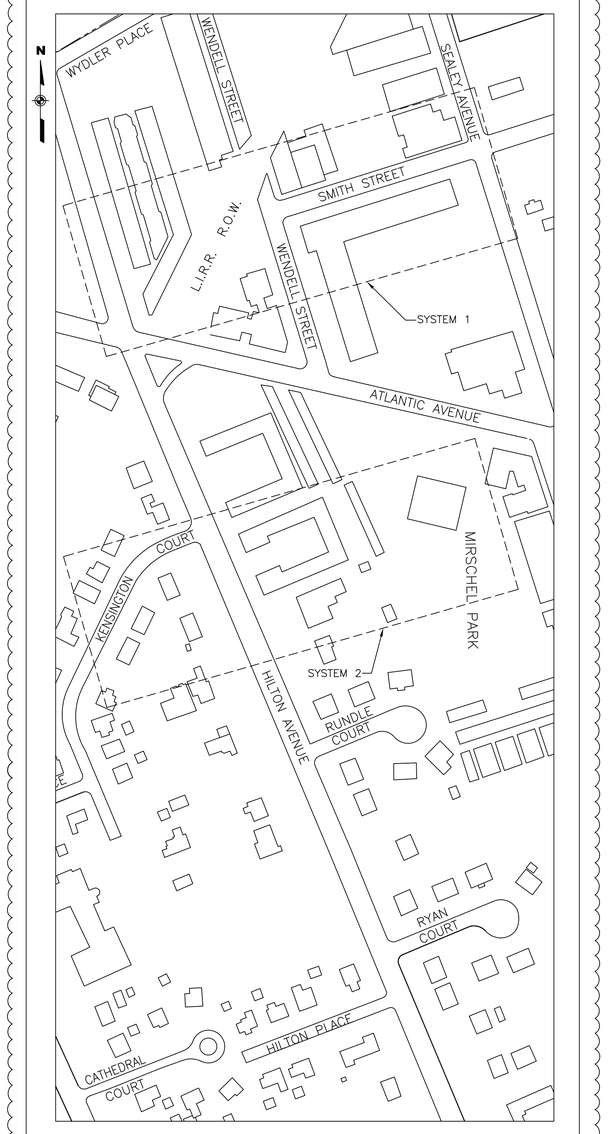
THE HEMPSTEAD INTERSECTION STREET FORMER MANUFACTURED GAS PLANT SITE

VILLAGES OF HEMPSTEAD AND GARDEN CITY, NASSAU COUNTY, NEW YORK

DECEMBER 2009



LOCATION MAP



KEY MAP

LEGEND - EXISTING

⊠	CATCH BASIN/DI
Ⓢ	SANITARY MANHOLE
Ⓓ	STORM MANHOLE
⊗	UNKNOWN MANHOLE
Ⓦ	WATER MANHOLE
	WELL OR PIEZOMETER
	GAS VALVE
	GUY
——x——	FENCE
	LIGHT POLE
	METAL POLE
	SIGN
	UTILITY POLE
	WATER VALVE
	WATER HYDRANT
——GAS——	GAS LINE
——OHW——	OVERHEAD WIRES
	PROPERTY OR RIGHT–OF–WAY LINE (APPROX.)
——SAN——	SANITARY LINE
——W——	WATER LINE
——UGE——	UNDERGROUND ELECTRIC LINE
——UGT——	UNDERGROUND TELEPHONE LINE

LEGEND - PROPOSED

——UGE——	UNDERGROUND CONDUIT AND WIRE
PI	POINT OF INTERSECTION
MP–2–1	MONITORING POINT WELL AND DESIGNATION NUMBER
OW–1–02	OXYGEN DELIVERY WELL AND DESIGNATION NUMBER
	TUBING ALIGNMENT
9+00	STATIONING LINE
HISB–117	GROUNDWATER SAMPLE LOCATION AND DESIGNATION NUMBER

INDEX OF DRAWINGS

ABBREVIATIONS

BIT	BITUMINOUS
CONC	CONCRETE
DI	DROP INLET
FT	FEET
INV	INVERT
L.I.R.R.	LONG ISLAND RAILROAD
MGP	MANUFACTURED GAS PLANT
MH	MANHOLE
NEC	NATIONAL ELECTRIC CODE
NEUT	NEUTRAL
ND	NOT DETECTED
OHW	OVERHEAD WIRE
PVMT	PAVEMENT
ROW	RIGHT–OF–WAY
SAN	SANITARY
TEL	TELEPHONE
UGE	UNDERGROUND ELECTRIC
UGT	UNDERGROUND TELEPHONE
UP	UTILITY POLE

GENERAL NOTES

1. SOURCE BASE MAP IS URS CORPORATION TOPOGRAPHIC SURVEY PERFORMED NOVEMBER 2007 AND NYS GIS CLEARINGHOUSE, 2007 NASSAU COUNTY ORTHOIMAGERY.
2. HORIZONTAL DATUM IS REFERENCED TO US STATE PLANE 1983 ZONE: NEW YORK LONG ISLAND.
3. VERTICAL DATUM IS REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1983 (NAVD 83).
4. LOCATIONS OF ALL UNDERGROUND UTILITIES THAT ARE SHOWN SHALL BE CONSIDERED APPROXIMATE.
5. THE LOCATIONS OF RIGHT–OF–WAY AND PROPERTY LINES SHOWN ON THE DRAWINGS ARE APPROXIMATE. RIGHT–OF–WAY AND PROPERTY LINE LOCATIONS IN PROXIMITY TO THE AREAS SHALL BE VERIFIED BY THE CONTRACTOR BEFORE COMMENCING WORK.
6. ALL WORK SHALL BE CONDUCTED WITHIN VILLAGE OF HEMPSTEAD AND LONG ISLAND RAILROAD RIGHT–OF–WAY PROPERTY EXCEPT AS NOTED FOR TREATMENT SYSTEMS 2 AND 3.
7. CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS FROM THE VILLAGE OF HEMPSTEAD PRIOR TO COMMENCING WORK.
8. CONTRACTOR SHALL COORDINATE THE LOCATION AND INSTALLATION OF ELECTRICAL SERVICE EQUIPMENT AND METER WITH THE LOCAL UTILITY.
9. ELECTRICAL SERVICE INSTALLATION SHALL COMPLY WITH ALL CODES AND REGULATIONS OF THE AUTHORITY HAVING JURISDICTION AND THE NEC.

NO.	MADE BY	APPROVED BY	DATE	DESCRIPTION

REVISIONS

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DRAWN BY: RAL
CHECKED BY: JRS
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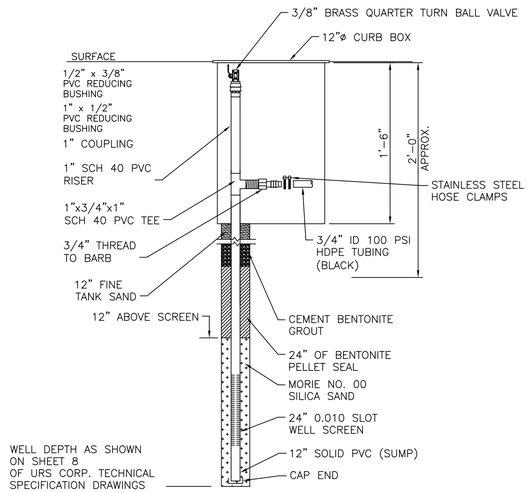
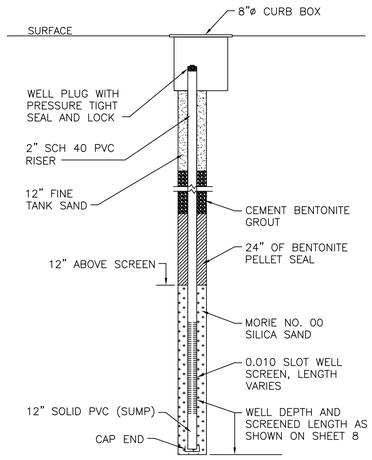
GROUND WATER REMEDIATION SYSTEM FOR HEMPSTEAD INTERSECTION STREET FORMER MANUFACTURED GAS PLANT SITE

INDEX OF DRAWINGS, LOCATION MAP, LEGEND AND NOTES

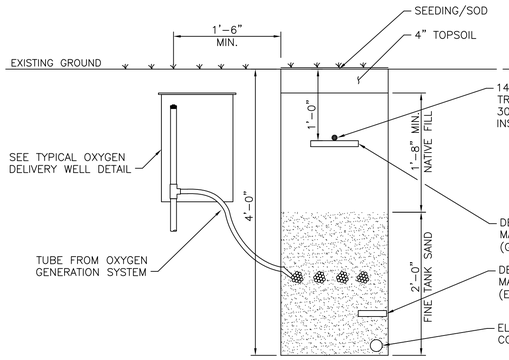
Scale: AS SHOWN | Date: DEC. 2009 | SHEET 2 OF 11



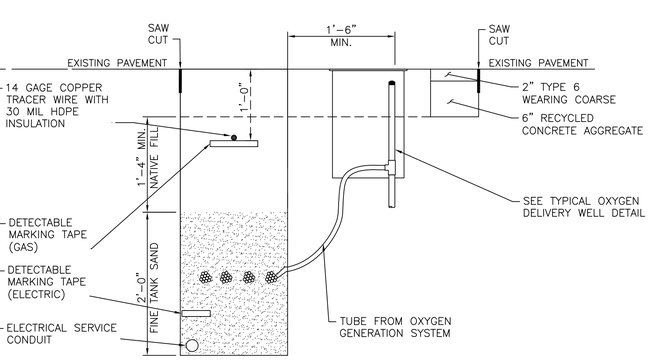
TYPICAL OXYGEN DELIVERY WELL DETAIL
NOT TO SCALE



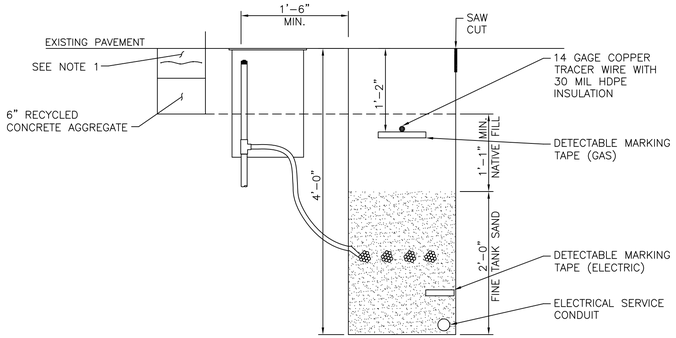
TYPICAL MONITORING POINT DETAIL
NOT TO SCALE



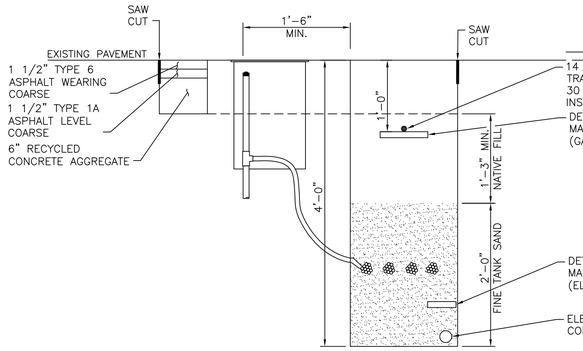
TRENCH DETAIL – UNPAVED AREAS
1" = 1'-0"



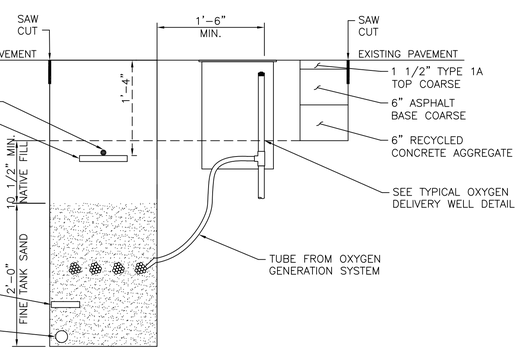
TRENCH DETAIL – BITUMINOUS DRIVEWAY AREAS
1" = 1'-0"



TRENCH DETAIL – SIDEWALK AND DRIVEWAY AREAS
1" = 1'-0"



TRENCH DETAIL – VILLAGE ROADWAY SPEC.
1" = 1'-0"



TRENCH DETAIL – NASSAU COUNTY ROADWAY SPEC.
1" = 1'-0"

NOTES:

1. PROVIDED 5" THICK CONCRETE SIDEWALKS AND 7" THICK CONCRETE DRIVEWAY APRONS WITH 4,000 PSI CONCRETE AND WELDED WIRE MESH 6 x 6 – W1.4/W1.4 AT MID DEPTH.

NO.	MADE BY	APPROVED BY	DATE	DESCRIPTION

REVISIONS

DESIGNED BY: DMc
DRAWN BY: RAL
CHECKED BY: JRS
PROJ. ENGR. MA

URS Corporation
New York
77 Goodell Street, Buffalo, New York 14203
(716)856-5636 - (716)856-2545 fax

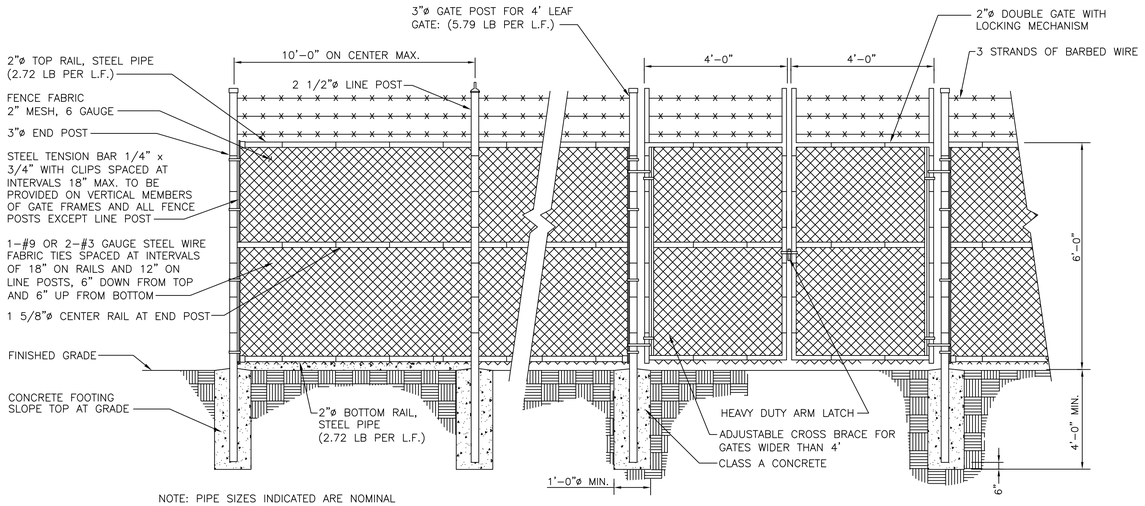
JOB NO. 11175065

nationalgrid
175 EAST OLD COUNTRY ROAD
HICKSVILLE, NEW YORK 11801

GROUND WATER REMEDIATION SYSTEM FOR HEMPSTEAD INTERSECTION STREET FORMER MANUFACTURED GAS PLANT SITE

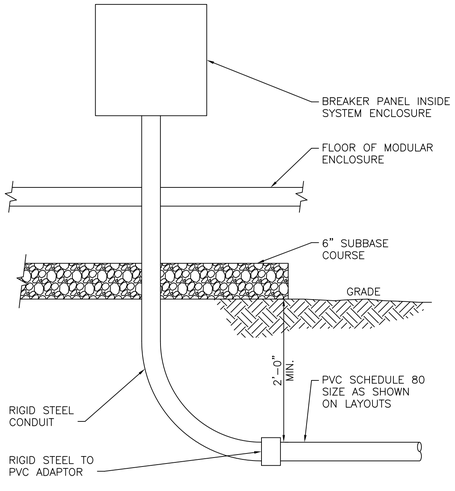
MISCELLANEOUS DETAILS

Scale: AS SHOWN | Date: DEC. 2009 | SHEET 9 OF 11

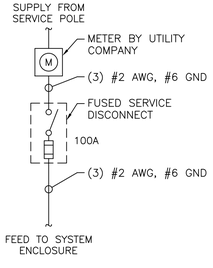


NOTE: PIPE SIZES INDICATED ARE NOMINAL

FENCE DETAIL
NOT TO SCALE



TRENCH CONDUIT SLEEVE AND
UNDERGROUND CONDUIT STUB-UP DETAIL
NOT TO SCALE



TYPICAL ONE-LINE DIAGRAM
NOT TO SCALE

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REVISIONS

DESIGNED BY: DMc
DRAWN BY: RAL
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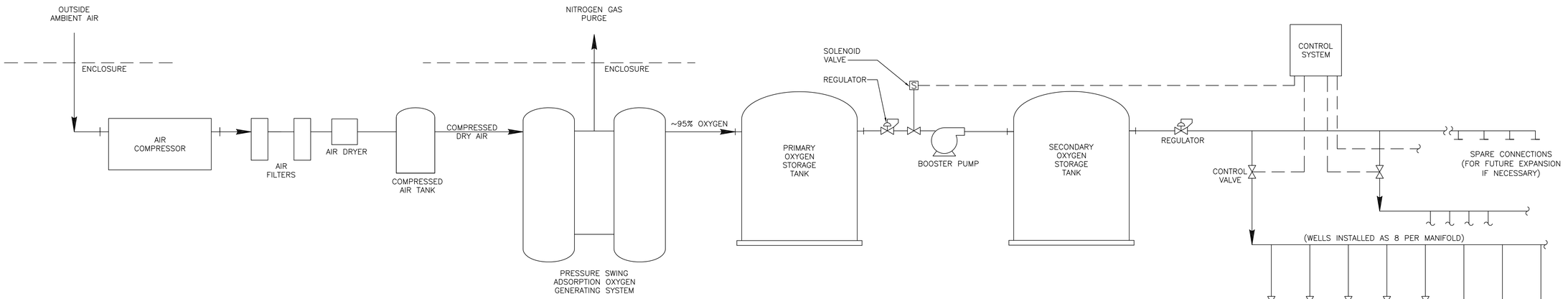
175 EAST OLD COUNTRY ROAD
HICKSVILLE, NEW YORK 11801

GROUND WATER REMEDIATION
SYSTEM FOR HEMPSTEAD
INTERSECTION STREET
FORMER MANUFACTURED GAS
PLANT SITE

MISCELLANEOUS DETAILS

Scale: AS SHOWN | Date: DEC. 2009 | SHEET 10 OF 11

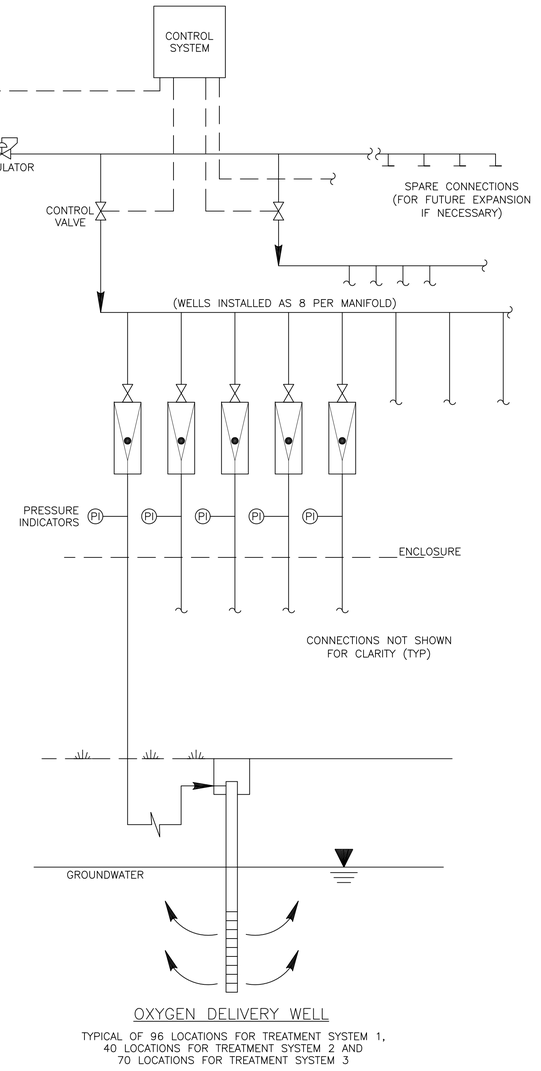


OXYGEN GENERATION SYSTEM (TYP)

NOTE:

OXYGEN SYSTEMS (INSIDE ENCLOSURE)
BY MATRIX ENVIRONMENTAL
TECHNOLOGIES INC.

OXYGEN DISTRIBUTION SYSTEM



OXYGEN DELIVERY WELL

TYPICAL OF 96 LOCATIONS FOR TREATMENT SYSTEM 1,
40 LOCATIONS FOR TREATMENT SYSTEM 2 AND
70 LOCATIONS FOR TREATMENT SYSTEM 3

NO.	MADE BY	APPROVED BY	DATE	DESCRIPTION

REVISIONS

DESIGNED BY: DMc
DRAWN BY: RAL
CHECKED BY: JRS
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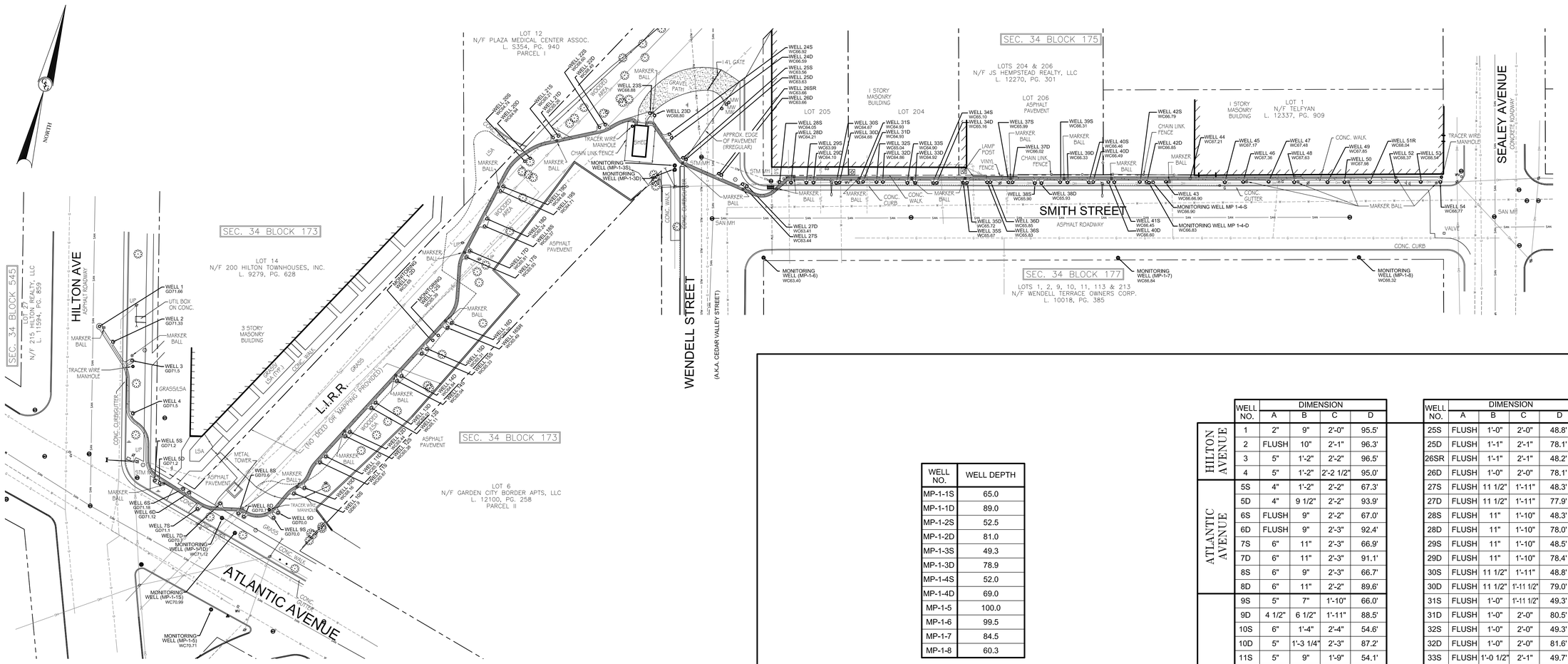
HICKSVILLE, NEW YORK 11801

GROUND WATER REMEDIATION SYSTEM FOR HEMPSTEAD INTERSECTION STREET FORMER MANUFACTURED GAS PLANT SITE

PROCESS FLOW DIAGRAM FOR OXYGEN GENERATION AND DELIVERY

Scale: AS SHOWN | Date: DEC. 2009 | SHEET 11 OF 11



OVERALL PLAN

SCALE: 1" = 30'

WELL NO.	WELL DEPTH
MP-1-1S	65.0
MP-1-1D	89.0
MP-1-2S	52.5
MP-1-2D	81.0
MP-1-3S	49.3
MP-1-3D	78.9
MP-1-4S	52.0
MP-1-4D	69.0
MP-1-5	100.0
MP-1-6	99.5
MP-1-7	84.5
MP-1-8	60.3

	WELL NO.	DIMENSION A	B	C	D
HILTON AVENUE	1	2"	9"	2'-0"	95.5'
	2	FLUSH	10"	2'-1"	96.3'
	3	5"	1'-2"	2'-2"	96.5'
	4	5"	1'-2"	2'-2 1/2"	95.0'
ATLANTIC AVENUE	5S	4"	1'-2"	2'-2"	67.3'
	5D	4"	9 1/2"	2'-2"	93.9'
	6S	FLUSH	9"	2'-2"	67.0'
	6D	FLUSH	9"	2'-3"	92.4'
	7S	6"	11"	2'-3"	66.9'
	7D	6"	11"	2'-3"	91.1'
	8S	6"	9"	2'-3"	66.7'
	8D	6"	11"	2'-2"	89.6'
L.I.R.R. RIGHT OF WAY	9S	5"	7"	1'-10"	66.0'
	9D	4 1/2"	6 1/2"	1'-11"	88.5'
	10S	6"	1'-4"	2'-4"	54.6'
	10D	5"	1'-3 1/4"	2'-3"	87.2'
	11S	5"	9"	1'-9"	54.1'
	11D	5"	10"	1'-10"	86.1'
	12S	5"	11 3/4"	1'-11"	53.6'
	12D	5"	8 3/4"	1'-9"	85.3'
	13S	5"	10 3/4"	1'-11"	53.1'
	13D	4"	10 3/4"	1'-11"	84.7'
	14S	5"	9"	1'-10"	52.7'
	14D	5"	8 1/2"	1'-9"	84.1'
	15S	5"	11"	1'-11"	52.2'
	15D	5"	11"	1'-11"	83.3'
	16SR	5"	9 3/4"	1'-10"	51.8'
	16D	6"	9 1/2"	1'-10 1/2"	82.5'
	17S	6"	11 1/4"	2'-0"	50.7'
	17D	5"	6 3/4"	1'-7"	79.5'
	18S	5"	7 1/2"	1'-9"	50.2'
	18D	5"	7 5/8"	1'-8"	78.3'
	19S	6"	12 1/4"	2'-1"	49.7'
	19D	6"	12 3/8"	2'-1"	78.9'
	20S	6"	9 5/8"	1'-9"	49.3'
	20D	6"	11 3/8"	1'-11 1/2"	79.5'
	21S	5 1/2"	11 1/2"	1'-11"	49.3'
	21D	6"	10"	1'-11 1/2"	79.5'
	22S	5"	9 1/4"	1'-10 1/2"	49.3'
	22D	5"	9 1/4"	1'-10"	79.5'
	23S	5"	12 1/4"	2'-0 1/2"	48.8'
	23D	6"	11 3/4"	1'-11 1/2"	78.7'
	24S	6"	12 5/8"	2'-0"	48.4'
	24D	6"	9"	1'-8 1/2"	78.2'

	WELL NO.	DIMENSION A	B	C	D
SMITH STREET	25S	FLUSH	1'-0"	2'-0"	48.8'
	25D	FLUSH	1'-1"	2'-1"	78.1'
	26SR	FLUSH	1'-1"	2'-1"	48.2'
	26D	FLUSH	1'-0"	2'-0"	78.1'
	27S	FLUSH	11 1/2"	1'-11"	48.3'
	27D	FLUSH	11 1/2"	1'-11"	77.9'
	28S	FLUSH	11"	1'-10"	48.3'
	28D	FLUSH	11"	1'-10"	78.0'
	29S	FLUSH	11"	1'-10"	48.5'
	29D	FLUSH	11"	1'-10"	78.4'
	30S	FLUSH	11 1/2"	1'-11"	48.8'
	30D	FLUSH	11 1/2"	1'-11 1/2"	79.0'
	31S	FLUSH	1'-0"	1'-11 1/2"	49.3'
	31D	FLUSH	1'-0"	2'-0"	80.5'
	32S	FLUSH	1'-0"	2'-0"	49.3'
	32D	FLUSH	1'-0"	2'-0"	81.6'
	33S	FLUSH	1'-0 1/2"	2'-1"	49.7'
	33D	FLUSH	1'-0 1/2"	2'-1"	83.2'
	34S	FLUSH	1'-1 1/2"	2'-2"	50.1'
	34D	FLUSH	1'-1 1/2"	2'-2"	84.5'
	35S	FLUSH	1'-2"	2'-3"	50.3'
	35D	FLUSH	1'-1 1/2"	2'-2 1/2"	85.0'
	36S	FLUSH	1'-1 1/2"	2'-2"	50.3'
	36D	FLUSH	1'-1 1/2"	2'-1 1/2"	85.4'
	37S	FLUSH	1'-1"	2'-1"	50.5'
	37D	FLUSH	1'-1"	2'-0 1/2"	84.7'
	38S	FLUSH	1'-0"	2'-0"	50.6'
	38D	FLUSH	1'-0"	2'-0"	82.2'
	39S	FLUSH	11"	1'-11"	50.7'
	39D	FLUSH	11 1/2"	1'-11"	78.5'
	40S	FLUSH	11 1/2"	1'-11"	51.1'
	40D	FLUSH	11"	1'-10 1/2"	76.1'
	41S	FLUSH	1'-0"	2'-0"	51.5'
	41D	FLUSH	1'-1"	2'-1"	73.6'
	42S	FLUSH	1'-2"	2'-1"	51.3'
	42D	FLUSH	1'-2"	2'-2 1/2"	71.0'
	43	FLUSH	1'-2"	2'-3"	67.4'
	44	FLUSH	1'-2"	2'-2 1/2"	66.6'
	45	FLUSH	1'-3"	2'-3"	65.7'
	46	FLUSH	1'-3"	2'-3"	64.3'
	47	FLUSH	1'-3"	2'-3 1/2"	63.4'
	48	FLUSH	1'-3"	2'-3 1/2"	62.5'
	49	FLUSH	1'-3"	2'-3"	61.5'
	50	FLUSH	1'-3"	2'-3"	60.8'
	51R	FLUSH	1'-3"	2'-3"	60.4'
	52	FLUSH	1'-4"	2'-4"	59.3'
	53	FLUSH	1'-4"	2'-4"	60.2'
	54	FLUSH	1'-4"	2'-4"	60.2'

MAP LEGEND

PROPERTY LINE	MANHOLE
APPROX. LOC. U.G. WATER LINE	INLET
APPROX. LOC. U.G. TELEPHONE LINE	SEWER CLEANOUT
APPROX. LOC. U.G. GAS LINE	UTILITY POLE
APPROX. LOC. U.G. ELECTRIC LINE	UTILITY POLE/LIGHT POLE
APPROX. LOC. U.G. TELEVISION LINE	GUY ANCHOR
APPROX. LOC. U.G. UNIDENTIFIED UTILITY LINE	TREE STUMP
APPROX. LOC. U.G. SAN. SEWER LINE	TREE
APPROX. LOC. U.G. STM. SEWER LINE	BUILDING FOOTPRINT (NOT FIELD VERIFIED)
HYDRANT	OXYGEN WELL MANHOLE
WATER VALVE	MARKER BALL
3/4" TUBING	TRACER WIRE MANHOLE
WC12.34 GD12.3 — DENOTES ELEVATION AT WELL COVER (WC), TOP OF PIPE (TP) OR GROUND (GD)	MONITORING WELL
	LSA — LANDSCAPED AREA

NOTES:

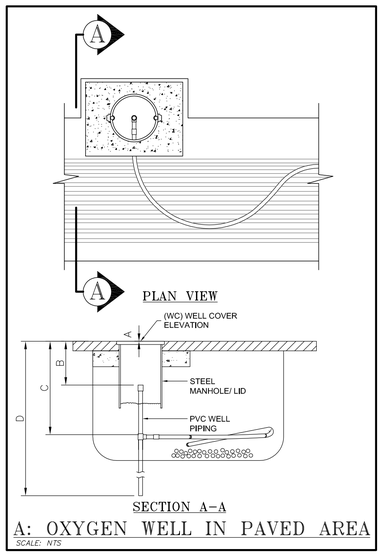
1. GROUND & WELL COVER ELEVATIONS OBTAINED BY GALLAS SURVEYING GROUP. ELEVATION DATUM IS BASED UPON DESIGN CAD FILES PROVIDED BY CLIENT.
2. LOCATION OF BURIED WELLS AND DIMENSIONS B & C ON WELLS AND PIPE CROSSING DEPTHS WERE OBTAINED BY HIGH POINT ENGINEERING DURING CONSTRUCTION.
3. WELL DEPTHS (DIMENSION 'D') WERE PROVIDED BY FENELY & NICOL ENVIRONMENTAL, INC., 445 BROOK AVENUE, DEER PARK, NY, 11729.
4. COVER ELEVATIONS FOR WELLS 45-54 WERE OBTAINED PRIOR TO INSTALLATION OF CONCRETE WALK.

GRAPHIC SCALE

30 0 15 30

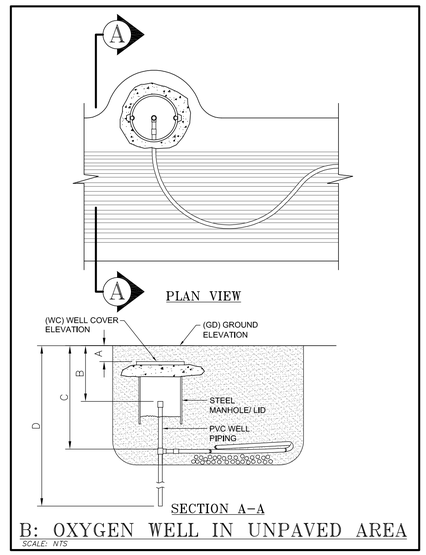
(IN FEET)

1 inch = 30 ft.



A: OXYGEN WELL IN PAVED AREA

SCALE: NTS



B: OXYGEN WELL IN UNPAVED AREA

SCALE: NTS

HIGH POINT ENGINEERING

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FARMINGDALE, NY 11735
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PROFESSIONAL ENGINEER
NEW YORK LICENSE No. 078209

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REV NO.	DATE	REVISION
1	10/20/11	MISC. REVISIONS
2	11/11/11	MISC. REVISIONS

GALLAS SURVEYING GROUP

171 CHURCH LANE
NORTH BRUNSWICK
NEW JERSEY, 08902
TELE: 732-422-6700
FAX: 732-940-8786
www.gallassurvey.com

GREGORY S. GALLAS

PROFESSIONAL LAND SURVEYOR
NEW YORK LICENSE No. 50124

SITE ADDRESS:

NATIONAL GRID

HILTON AVENUE, ATLANTIC AVENUE, L.I.R.R. ROW & SMITH STREET
INCORPORATED VILLAGE OF HEMPSTEAD
(TOWN OF HEMPSTEAD)
NASSAU COUNTY, STATE OF NEW YORK

SCALE: AS SHOWN

DATE: 3/23/2011

HPE #: FENL10-01

DWG #: FENL10-01-SYSTEM 1-SP2

TITLE:

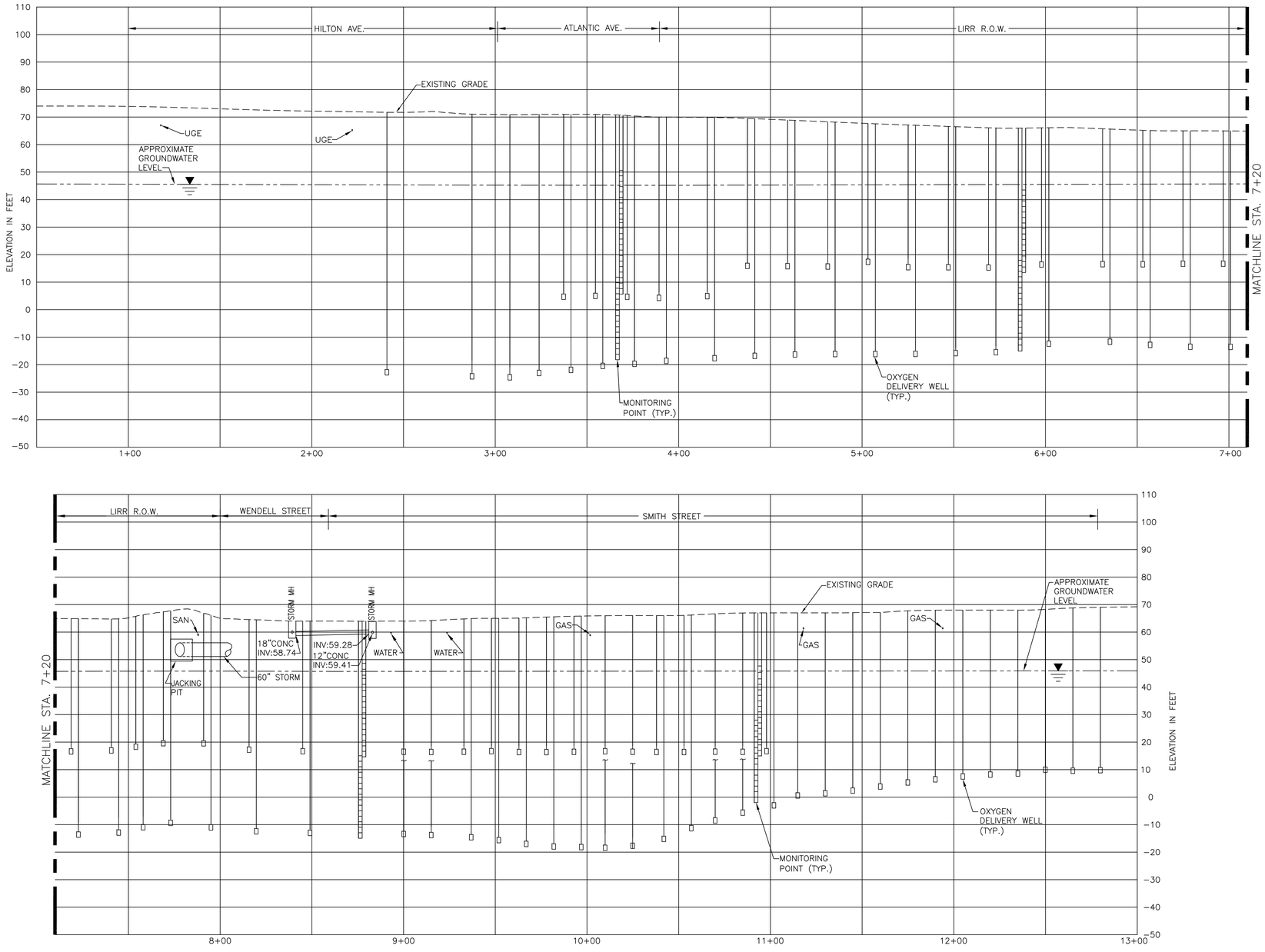
SYSTEM #1 OXYGEN WELL LOCATION SITE PLAN

SHEET NO:

SP-1

REV. 2

OF 1



NOTES:

1. TUBING NOT SHOWN FOR CLARITY.
2. SEE SHEET 8 FOR WELL DEPTH INFORMATION.

PROFILE – TREATMENT SYSTEM 1

20' 0 20' VERT. SCALE IN FEET

30' 0 30' HORIZ. SCALE IN FEET

Only copies from the original of this drawing that are signed and sealed are considered to be valid prints. Drawing, and be considered as true valid copies.

F:\Documents and Settings\CAD User\Desktop\AutoCAD Projects\2010\1002955-1002965 - National Grid - Hempstead\ASBUILTS (SYS 1)\DWG 4.dwg 8/22/11 - 3 RAL

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NO.	MADE BY	APPROVED BY	DATE	DESCRIPTION

REVISIONS

DESIGNED BY: DMc
DRAWN BY: RAL
CHECKED BY: JRS
PROJ. ENGR. MA

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JOB NO. 11175065

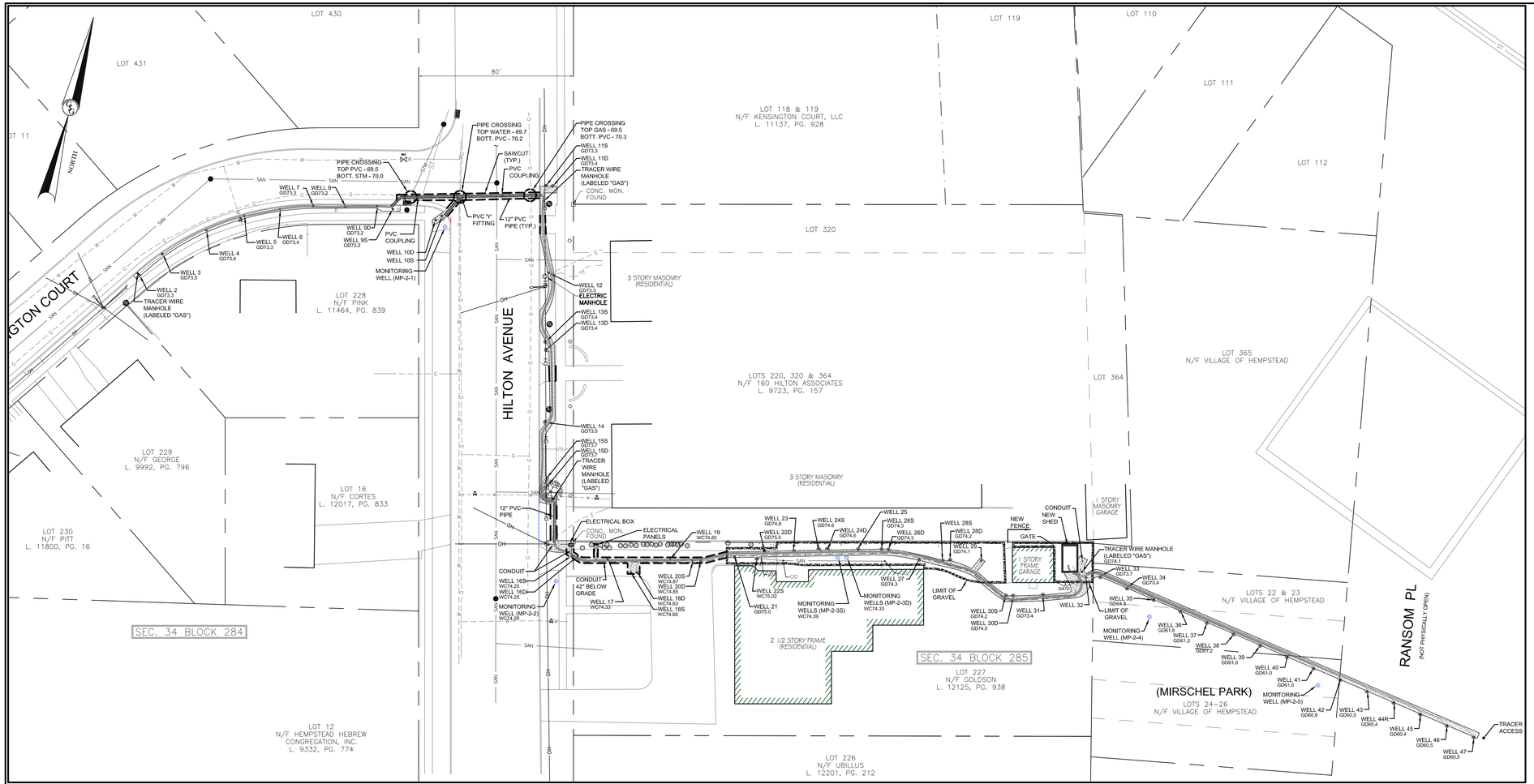
nationalgrid
175 EAST OLD COUNTRY ROAD
HICKSVILLE, NEW YORK 11801

GROUND WATER REMEDIATION SYSTEM FOR HEMPSTEAD INTERSECTION STREET FORMER MANUFACTURED GAS PLANT SITE

PROFILE OF OXYGEN DELIVERY WELLS; TREATMENT SYSTEM 1

Scale: AS SHOWN | Date: DEC. 2009 | SHEET 4 OF 11

This drawing was originally created in color. Any reproduction in black & white may obscure the data shown.



OVERALL PLAN

SCALE: 1" = 30'

MAP LEGEND

PROPERTY LINE	MANHOLE
APPROX. LOC. U.G. WATER LINE	INLET
APPROX. LOC. U.G. GAS LINE	SEWER CLEANOUT
APPROX. LOC. U.G. ELECTRIC LINE	UTILITY POLE
APPROX. LOC. U.G. TELEVISION LINE	UTILITY POLE/LIGHT POLE
APPROX. LOC. U.G. UNIDENTIFIED UTILITY LINE	GUY ANCHOR
APPROX. LOC. U.G. SAN. SEWER LINE	TREE STUMP
APPROX. LOC. U.G. STM. SEWER LINE	TREE WITH DIAMETER
HYDRANT	
WATER VALVE	BUILDING FOOTPRINT (NOT FIELD VERIFIED)

PROPOSED LEGEND

APPROX. LOC. OF TRENCH	OXYGEN WELL MANHOLE
LOCATION OF U.G. CONDUIT	MONITORING WELL
LIMIT OF GRAVEL	TRACER WIRE MANHOLE
SAWCUT LINE	3/4" TUBING
WC12.34 TP12.34 GD12.3	DENOTES ELEVATION AT WELL COVER (WC), TOP OF PIPE (TP) OR GROUND (GD)

NOTES:

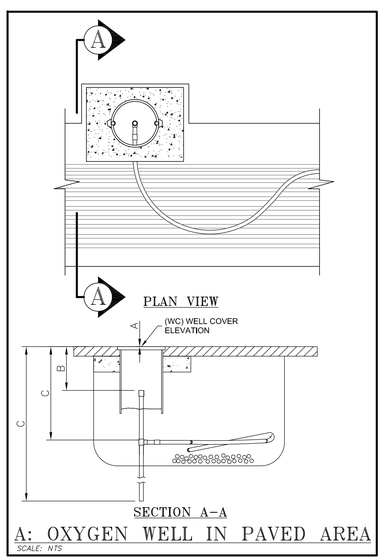
1. GROUND & WELL COVER ELEVATIONS OBTAINED BY GALLAS SURVEYING GROUP. ELEVATION DATUM IS BASED UPON DESIGN CAD FILES PROVIDED BY CLIENT.
2. LOCATION OF BURIED WELLS AND DIMENSIONS B & C ON WELLS AND PIPE CROSSING DEPTHS WERE OBTAINED BY HIGH POINT ENGINEERING DURING CONSTRUCTION.
3. WELL DEPTHS (DIMENSION 'D') WERE PROVIDED BY FENELY & NICOL ENVIRONMENTAL, INC., 445 BROOK AVENUE, DEER PARK, NY, 11729

GRAPHIC SCALE

30 0 15 30

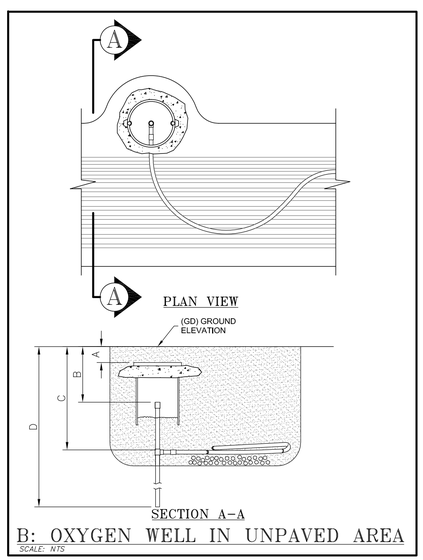
(IN FEET)

1 inch = 30 ft.



A: OXYGEN WELL IN PAVED AREA

SCALE: NTS



B: OXYGEN WELL IN UNPAVED AREA

SCALE: NTS

	WELL NO.	DIMENSION A	B	C	D
KENSINGTON COURT	2	2-1/2"	11"	2'-1"	90.2'
	3	2-1/2"	10"	1'-11"	94.3'
	4	3"	1'-2"	1'-11"	94.7'
	5	3-1/2"	9"	1'-10"	95.3'
	6	2-1/2"	9-1/2"	1'-9"	95.7'
	7	3-1/2"	10"	1'-11"	96'
	8	3-1/2"	9-1/2"	1'-11"	96.3'
	9D	4-1/2"	8-1/2"	1'-11"	96.7'
	9S	3-1/2"	11"	1'-9 1/2"	75'
	10S	2"	9"	2'-0"	75'
	10D	2"	9-1/2"	2'-0"	97.2'
HILTON AVE.	11S	6"	9"	2'-0"	76.5'
	11D	4"	9"	2'-0"	100.8'
	12	4-3/4"	1'-0"	2'-4"	94'
	13S	5-12"	1'-2"	2'-3 1/2"	75'
	13D	6"	1'-1"	2'-6"	97'
	14	5-1/2"	11"	2'-2"	96.4'
	15S	4"	1'-2"	2'-7 1/2"	75'
	15D	6-1/2"	1'-0"	2'-7"	94.6'
RESIDENTIAL PROPERTY	16S	FLUSH	9-1/2"	2'-3"	75.5'
	16D	FLUSH	1'-0"	2'-6"	94.1'
	17	FLUSH	8 1/2"	2'-1/2"	95'
	18S	FLUSH	7"	1'-8 1/2"	74.5'
	18D	FLUSH	9"	1'-9"	95.5'
	19	FLUSH	9-1/2"	1'-9 1/2"	96.1'
	20S	FLUSH	11"	2'-1/2"	74'
	20D	FLUSH	11"	1'-11 1/2"	96.6'
	21	3"	1'-1"	1'-8"	96.6'
	22S	5"	1'-1 1/2"	2'-0"	76'
	22D	4"	1'-4"	2'-4"	96.3'
	23	2"	1'-1"	2'-2"	97.2'
	24S	2-1/2"	1'-1/2"	1'-10"	77.8'
	24D	3-1/4'	1'-2"	1'-11"	97'
	25	3"	1'-1"	1'-9"	96'
	26S	3"	1'-0"	2'-2"	74'
	26D	3"	1'-1"	2'-0"	95'
	27	2"	1'-0"	1'-11"	93.5'
	28S	2-1/2"	11"	1'-11"	76'
	28D	4"	1'-1/2"	2'-0"	92.1'
	29	4-1/2"	11"	1'-11"	92.2'
	30S	3"	10"	2'-2"	67.8'
	30D	2-1/2"	1'-1/2"	2'-3"	88'
	31	4"	1'-4"	2'-2"	86'
	32	4"	6"	1'-11"	84'
PARK AREA	*33	8"	1'-0"	2'-0"	82'
	*34	8"	1'-0"	2'-0"	71'
	*35	6"	1'-0"	2'-0"	69.2'
	36	5-1/2"	11"	1'-11"	64.8'
	37	2-3/4"	1'-1/2"	1'-11"	62.8'
	38	3-3/4"	1'-1 3/4"	2'-0"	62.1'
	39	4"	1'-3/4"	2'-0"	60'
	40	3-3/4"	11-1/2"	1'-11"	61.7'
	41	4-3/4"	1'-0"	1'-11"	61.7'
	42	3-1/2"	1'-1/2"	1'-11"	61.6'
	43	3-1/2"	1'-0"	2'-0"	61.4'
	44R	4-1/2"	11"	1'-11"	60.6'
	45	4-1/4"	11-3/8"	1'-11"	61.1'
	46	1-1/2"	11"	1'-10"	61'
	47	2-1/2"	7-3/4"	1'-10"	60.5'

* LOCATED ON SLOPE

WELL NO.	WELL DEPTH
MP-2-1	97'
MP-2-2	94'
MP-2-3D	97'
MP-2-3S	73.5'
MP-2-4	70.2'
MP-2-5	61.7'

HIGH POINT ENGINEERING

410 JERICHO TURNPIKE
SUITE 105
JERICHO, NY 11753
(516) 433-4320 FAX: (516) 433-4364

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CHRIS M TARTAGLIA

PROFESSIONAL ENGINEER
NEW YORK LICENSE No. 078209

REV NO.	DATE	REVISION
1	10-02-10	REVISE PER COMMENTS RECEIVED

NOT FOR BIDDING / CONSTRUCTION

GALLAS SURVEYING GROUP

171 CHURCH LANE
NORTH BRUNSWICK
NEW JERSEY, 08902
TELE: 732-422-6700
FAX: 732-940-8796
www.gallassurvey.com

GREGORY S. GALLAS

PROFESSIONAL LAND SURVEYOR
NEW YORK LICENSE No. 50124

SITE ADDRESS:

NATIONAL GRID
KENSINGTON COURT & HILTON AVENUE
INCORPORATED VILLAGE OF HEMPSTEAD
(TOWN OF HEMPSTEAD)
NASSAU COUNTY, STATE OF NEW YORK

SCALE: AS SHOWN	HPE #: FENL10-01
DATE: 9/3/10	DWG #: FENL10-01-SS0

TITLE:

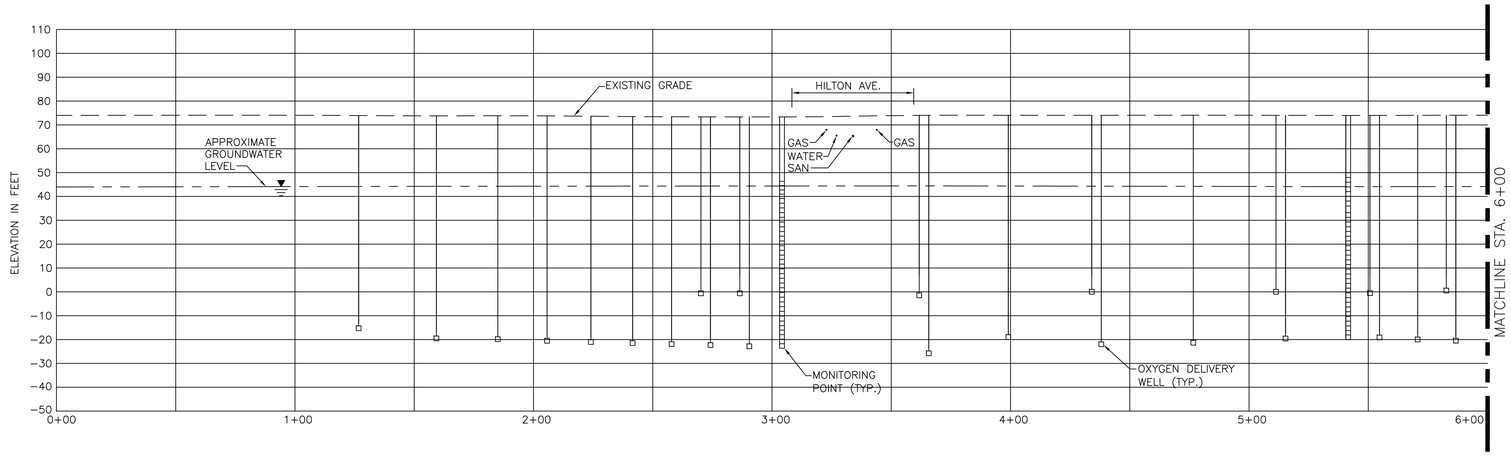
SYSTEM #2 OXYGEN WELL LOCATION SITE PLAN

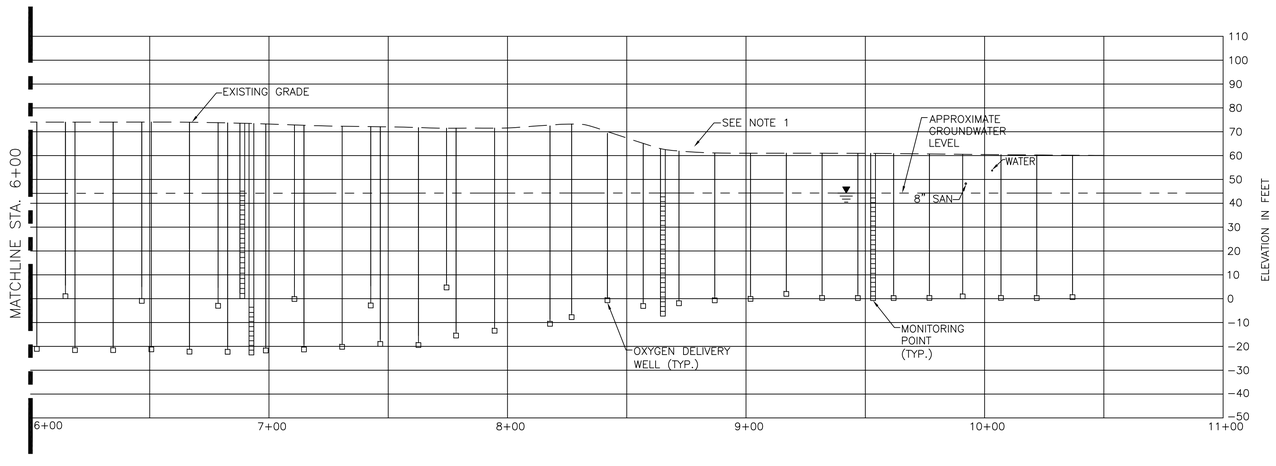
SHEET NO:

SP-1

REV.

OF 1





PROFILE – TREATMENT SYSTEM 2

30' 0 30'

HORIZ. & VERT. SCALE IN FEET

NOTES:

1. TUBING NOT SHOWN FOR CLARITY.
2. SEE SHEET 8 FOR WELL DEPTH INFORMATION.

NOTE:

1. FRENCH DRAIN SYSTEM LOCATED ALONG WESTERN END OF MIRSCHEL PARK. EXACT LOCATION, DEPTH, AND CONSTRUCTION DETAILS ARE UNKNOWN.

NO.	MADE BY	APPROVED BY	DATE	DESCRIPTION

REVISIONS

DESIGNED BY: DMc
DRAWN BY: RAL
CHECKED BY: JRS
PROJ. ENGR. MA

URS Corporation
New York
77 Goodell Street, Buffalo, New York 14203
(716)856-5636 - (716)856-2545 fax

JOB NO. 11175065

nationalgrid
175 EAST OLD COUNTRY ROAD
HICKSVILLE, NEW YORK 11801

GROUND WATER REMEDIATION SYSTEM FOR HEMPSTEAD INTERSECTION STREET FORMER MANUFACTURED GAS PLANT SITE

PROFILE OF OXYGEN DELIVERY WELLS; TREATMENT SYSTEM 2

Scale: AS SHOWN | Date: DEC. 2009 | SHEET 5B OF 11

APPENDIX A

CHANGE ORDERS AND CONTRACTOR REQUESTS FOR INFORMATION

Fenley & Nicol Environmental, Inc.

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445 Brook Avenue, Deer Park, NY 11729 (631) 586-4900 · NYC (718) 204-4993 FAX (631) 586-4920

CHANGE ORDER NO. 1

Customer: National Grid		Job#: 1002955	Date: 10-21-10
Street: 175 East Old Country Road		Job Name: Groundwater Treatment System #1	
City: Hicksville	State: New York 11801	Street: Intersection Street Former MGP Site	
Attn: Patrick Van Rossem	Customer No.: 120011	City: Hempstead	State: New York

Task No. 1 – Additional LIRR Insurance

As per National Grid's request and the LIRR requirements, we increased our Umbrella Insurance coverage to $10MM with an effective date of September 22, 2010 and an expiration date of May 31, 2011.

Lump Sum (Cost + 21%) $12,711.05

Change Order Total $12,711.05

The original contract sum was:	$1,003,259.00
Previously approved change orders:	$0.00
The contract sum prior to this change order was:	$1,003,259.00
The contract sum will be increased by this change order:	$12,711.05
The new contract sum including this change will be:	**$1,015,970.05**

Fenley & Nicol hereby agrees to furnish labor and materials and complete work at the above stated price. Above work to be performed under same conditions as specified in the original contract unless otherwise stipulated. This revision becomes part of, and in conformance with the existing contract.

Authorized Signature _____ Date 10/22/10
(F&N signs here)

Acceptance
Authorized Signature _____ Date 11/11/10
(National Grid signs here)
Project Mgr.

Matthew Schieferstein

From: <Jon_Sundquist@URSCorp.com>
To: <mschieferstein@fenleynicol.com>
Cc: <Patrick.VanRossem@us.ngrid.com>
Sent: Monday, November 15, 2010 5:02 PM
Subject: Fw: Hempstead UST Discovery

Matt:

Resend pursuant to Pat's request.

Jon S.

----- Forwarded by Jon Sundquist/Buffalo/URSCorp on 11/15/2010 05:01 PM -----

"Van Rossem, Patrick J." <Patrick.VanRossem@us.ngrid.com>

11/15/2010 05:00 PM

To <Jon_Sundquist@URSCorp.com>
cc
Subject RE: Hempstead UST Discovery

Jon- please forward this e-mail to Matt as it was undeliverable for him.

Pat

Patrick J. Van Rossem
Project Manager
Site Investigation & Remediation Dept.
National Grid
175 East Old Country Road
Hicksville, NY 11801
516.545.2578 (office)
516.545.2582 (fax)
patrick.vanrossem@us.ngrid.com
Please consider the environment before printing this email.

From: Van Rossem, Patrick J.
Sent: Monday, November 15, 2010 4:53 PM
To: 'Matthew Schieferstein'
Cc: Christman, James E.; 'Jon_Sundquist@URSCorp.com'; 'WHITE, KIRK'; Leissing, Theodore O.; Lauro, Michael
Subject: Hempstead UST Discovery

Matt,

I spoke with Robin Putnam from the NCDH about the tank that was discovered under the sidewalk on Smith Street adjacent to Telfeyan Carpet. I informed Robin that we don't plan to be involved with dispositioning the tank which is probably owned by Telfeyan Carpet. We also spoke with the owner of Telfeyan Carpet, and they will now be working directly with Robin on a plan for proper abandonment or removal of the tank. Thanks for providing us the tank proposal.

Pat

Patrick J. Van Rossem
Project Manager
Site Investigation & Remediation Dept.
National Grid
175 East Old Country Road
Hicksville, NY 11801
516.545.2578 (office)
516.545.2582 (fax)
patrick.vanrossem@us.ngrid.com
Please consider the environment before printing this email.

From: Matthew Schieferstein [mailto:mschieferstein@fenleynicol.com]
Sent: Friday, November 12, 2010 3:59 PM
To: Van Rossem, Patrick J.
Subject: UST Pricing

Pat,

As requested, attached please find a copy of the estimate for the tank abandonment and/or the tank removal. Please review and let me know if you have any questions.

Thanks,
Matt

Matthew F. Schieferstein
Project Manager
Fenley & Nicol Environmental, Inc.
445 Brook Avenue
Deer Park, NY 11729
Phone: 631-586-4900 x128
Fax: 631-586-4920
Cell: 516-702-0025
e-mail: mschieferstein@fenleynicol.com

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CHANGE ORDER NO. 3

Customer: National Grid		Job#: 1002955	Date: 2-4-11
Street: 175 East Old Country Road		Job Name: Groundwater Treatment System #1	
City: Hicksville	State: New York 11801	Street: Intersection Street Former MGP Site	
Attn: Patrick Van Rossem	Customer No.: 120011	City: Hempstead	State: New York

Task No. 1 – August Test Holes

As per National Grid's request, we provided a laborer to excavate test holes along the LIRR right-of-way on August 30, 2010.

Laborer ..... 8 Hours @ $104.68 per hour $837.44
Light Duty Truck (Blue Book) ..... 8 hours @ $12.10 per hour $96.80

Task No. 1 Subtotal $934.24

Task No. 2 – Injection Point Well Head Modification

The Technical Specifications called for each injection point to be completed with a 1-inch diameter locking j-plug. Based upon lessons learned during the installation of the oxygen injection systems in the Bay Shore area these j-plugs can be blown off of the top of the injection points when the oxygen is introduced to the individual injection points creating safety hazard. To prevent this safety hazard we will provide a ball valve at each injection point.

1" Sch 40 PVC Coupling (Cost +21%) ..... 92 each @ $0.78 each $71.76
1" x ½" Sch 40 PVC Bushing (Cost +21%) ..... 92 each @ $0.52 each $47.84
½" x 3/8" Sch 80 PVC Bushings (Cost +21%) .... 92 each @ $1.15 each $105.80
3/8" Black Close Nipples (Cost +21%) ..... 92 each @ $1.57 each $144.44
3/8" Brass Quarter Turn Valve (Cost +21%) ..... 92 each @ $12.40 each $1,140.80
1" J-Plug Credit ..... 92 each @ <$7.20> each ..... <$662.40>

Task No. 2 Estimated Subtotal $848.24

Task No. 3 – Oxygen Supply Line Check Valves

Based upon the observed breakthrough pressures at System #2, we will install an inline check valve on each oxygen injection supply line inside the remedial system shed.

¾" Polypropylene Check Valve (Cost +21%)	92 each @ $16.06 each	$1,477.52
¾" Polypropylene Hose Barbs (Cost +21%)	184 each @ $0.79 each	$145.36
1" Stainless Steel Hose Clamps (Cost +21%)	368 each @ $1.14 each	$419.52
¾" Barbed Straight Connectors Credit	92 each @ <0.77> each	<$70.84>
Teflon Tape (Cost +21%)	4 rolls @ $1.97 each	$7.88
Journeyman Plumber (Local 200)	16 hours @ $109.83 per hour	$1,757.28

Task No. 3 Estimated Subtotal $3,736.72

Task No. 4 – Oxygen Injection System #1 Expansion

As per National Gris's request and the December 10, 2010 approval e-mail, we will provide a 120 point system as opposed to a 96 point system.

Estimated System Difference (Cost +21%)	1 lump sum @ $41,553.82 each	$41,553.82

Task No. 4 Estimated Subtotal $41,553.82

Task No. 5 – Additional Oxygen Supply Line Check Valves

Based upon the observed breakthrough pressures at System #2 and the approved System #1 expansion, we will install an inline check valve on each additional oxygen injection supply line inside the remedial system shed.

¾" Polypropylene Check Valve (Cost +21%)	28 each @ $16.06 each	$449.68
¾" Polypropylene Hose Barbs (Cost +21%)	56 each @ $0.79 each	$44.24
1" Stainless Steel Hose Clamps (Cost +21%)	112 each @ $1.14 each	$127.68
Teflon Tape (Cost +21%)	2 rolls @ $1.97 each	$3.94
Journeyman Plumber (Local 200)	4 hours @ $109.83 per hour	$439.32

Task No. 5 Estimated Subtotal $1,064.86

Estimated Change Order Total $48,137.88

The original contract sum was:	$1,003,259.00
Previously approved change orders:	$12,711.05
The contract sum prior to this change order was:	$1,015,970.05
The contract sum will be increased by this change order:	$48,137.88
The new contract sum including this change will be:	**$1,064,107.93**

Fenley & Nicol hereby agrees to furnish labor and materials and complete work at the above stated price. Above work to be performed under same conditions as specified in the original contract unless otherwise stipulated. This revision becomes part of, and in conformance with the existing contract.

Authorized Signature _____ Date 2/4/11
(F&N signs here)

Acceptance
Authorized Signature _____ Date 3/7/11
(National Grid signs here)

Fenley & Nicol Environmental, Inc.

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CHANGE ORDER NO. 4

Customer: National Grid		Job#: 1002955	Date: 5-4-11
Street: 175 East Old Country Road		Job Name: Groundwater Treatment System #1	
City: Hicksville	State: New York 11801	Street: Intersection Street Former MGP Site	
Attn: Patrick Van Rossem	Customer No.: 120011	City: Hempstead	State: New York

Task No. 1 – Concrete Thickness Change

As per the minutes of the February 2, 2011 weekly meeting and incompliance with the Village of Hempstead Concrete Restoration Requirements, we will provide 5" think concrete in the sidewalks and 7" thick concrete in the driveway aprons. This is an increase of 1" from the Technical Specifications and the below square foot price will be applied to the project.

Additional Concrete Thickness.....Estimated 2,625.22 SF @ $0.45 per SF.....$1,181.35

Task No. 1 Subtotal.....$1,181.35

Task No. 2 – Smith Street & Atlantic Avenue Asphalt Driveway Aprons

As per the weekly meeting on April 14, 2011 we will remove and replace an approximately 15 foot long x 2 foot wide section from the driveways on Smith Street and an approximately 23 foot long by 5 foot wide section from the driveway on Atlantic Avenue.

Smith Street Driveway Aprons (Cost + 21%)..... $453.75 each
Atlantic Avenue Driveway Apron (Cost + 21%).....$544.50

Task No. 2 Subtotal.....$1,452.00

Task No. 3 – Hilton Avenue Asphalt Restoration

The Technical Specifications and Drawings for the project called for asphalt to be installed with a ¾" Type 1AC Wearing Course and a 1½" Type 1A Binder Course. Based upon the above, we provided our pricing for Line Item #10 in the base bid. The Village of Hempstead requirements for Class B Roadway Asphalt is 1½" Type 1A Binder Course with 1½" Type 6 Wearing Course or to match existing. Based upon the Village of Hempstead requirements we will replace Line Item #10 in the base bid with a square foot price to replace the Class B Roadway Asphalt provided by Lindley Bros. Asphalt Paving Inc.

Hilton Avenue Asphalt (Cost + 21%)..... Estimated 232 SF @ $13.61 per SF.....$3,157.52

Task No. 3 Subtotal.....$3,157.52

Task No. 4 – Smith Street & Wendell Street Asphalt Restoration

The Technical Specifications and Drawings for the project called for asphalt to be installed with a ¾" Type 1AC Wearing Course and a 1½" Type 1A Binder Course. Based upon the above, we provided our pricing for Line Item #10 in the base bid. The Village of Hempstead requirements for Class B Roadway Asphalt is 1½" Type 1A Binder Course with 1½" Type 6 Wearing Course or to match existing. Based upon the Village of Hempstead requirements to match existing we will replace Line Item #10 in the base bid with a per ton price to replace the Nassau County Spec Roadway Asphalt provided by Lindley Bros. Asphalt Paving Inc.

Smith St & Wendell St Asphalt (Cost + 21%)..... Estimated 26 tons @ $332.75 per ton.....$8,651.50

Task No. 4 Subtotal.....$8,651.50

Task No. 5 – Long Island Rail Road (LIRR) Right of Way & Remedial Shed Enclosure Restoration

As per National Grid's request, we will install 30 Parsoni Juniper's along the LIRR right of way slope at the dean end of Wendell Street with a cloth barrier and mulch, we will install a total of six 6-7 foot tall Robusta Juniper's on the east and west sides of the remedial shed, we will install three 5-6 foot tall Skip Laurel's on the south side of the remedial shed and we will install three 10-12 foot tall Eastern White Pine's on the northern slope of the LIRR right of way.

Parsoni Juniper's Lump Sum (Cost + 21%).....$1,875.50
Robusta Juniper's Lump Sum (Cost +21%) $2,178.00
Skip Laurel's Lump Sum (Cost +21%).....$653.40
Eastern White Pines Lump Sum (Cost +21%).....$2,095.72

Task No. 5 Subtotal.....$6,802.62

Estimated Change Order Total $21,244.99

The original contract sum was:	$1,003,259.00
Previously approved change orders:	$60,848.93
The contract sum prior to this change order was:	$1,064,107.93
The contract sum will be increased by this change order:	$21,244.99
The new contract sum including this change will be:	**$1,085,352.92**

Fenley & Nicol hereby agrees to furnish labor and materials and complete work at the above stated price. Above work to be performed under same conditions as specified in the original contract unless otherwise stipulated. This revision becomes part of, and in conformance with the existing contract.

Authorized Signature _____ Date 5/4/11
(F&N signs here)

Acceptance
Authorized Signature _____ Date 5/16/11
(National Grid signs here)

Fenley & Nicol Environmental, Inc.

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CHANGE ORDER NO. 5

Customer: National Grid		Job#: 1002955	Date: 5-27-11
Street: 175 East Old Country Road		Job Name: Groundwater Treatment System #1	
City: Hicksville	State: New York 11801	Street: Intersection Street Former MGP Site	
Attn: Patrick Van Rossem	Customer No.: 120011	City: Hempstead	State: New York

Task No. 1 – Access Road Gate

As per National Grid's request and approval on May 23, 2011, we will furnish and install one access road gate on the Long Island Rail Road (LIRR) Right-of-Way at the dead end of Wendell Street. The gate will be approximately 14-feet long and will be 4.5-feet tall on the post end and 1.5-feet tall on the far end.

Access Road Gate (Cost +21%).....$1,149.50

Task No. 1 Subtotal.....$1,149.50

Task No. 2 – Additional Fencing

As per National Grid's request and approval on May 23, 2011, we will furnish and install approximately 18-feet of chain link fencing to extend the existing fence along the northern portion of the LIRR Right-of-Way and the medical building access road.

Additional Fencing (Cost + 21%).....$1,028.50

Task No. 2 Subtotal.....$1,028.50

Estimated Change Order Total $2,178.00

The original contract sum was:	$1,003,259.00
Previously approved change orders:	$82,093.92
The contract sum prior to this change order was:	$1,085,352.92
The contract sum will be increased by this change order:	$2,178.00
The new contract sum including this change will be:	**$1,087,530.92**

Fenley & Nicol hereby agrees to furnish labor and materials and complete work at the above stated price. Above work to be performed under same conditions as specified in the original contract unless otherwise stipulated. This revision becomes part of, and in conformance with the existing contract.

Authorized Signature _____ Date 5/27/11
(F&N signs here)

Acceptance
Authorized Signature _____ Date 6/7/11
(National Grid signs here)

Fenley & Nicol Environmental, Inc.

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CHANGE ORDER NO. 6

Customer: National Grid		Job#: 1002955	Date: 6-27-11
Street: 175 East Old Country Road		Job Name: Groundwater Treatment System #1	
City: Hicksville	State: New York 11801	Street: Intersection Street Former MGP Site	
Attn: Patrick Van Rossem	Customer No.: 120011	City: Hempstead	State: New York

Task No. 1 – Sod Replacement

As per discussions during the weekly meeting on June 7, 2011, we replaced approximately 1,400 square feet of dried out sod. The sod drying out was due to a 3rd party removing the nozzles from the sprinkler heads. As such, we are willing to split to cost of the replacement with National Grid. The total cost for the replacement was $1,400.00 ($1,694.00 with markup).

National Grid Portion of Replacement (Cost +21%) $847.00

Task No. 1 Subtotal $847.00

Estimated Change Order Total $847.00

The original contract sum was:	$1,003,259.00
Previously approved change orders:	$84,271.92
The contract sum prior to this change order was:	$1,087,530.92
The contract sum will be increased by this change order:	$847.00
The new contract sum including this change will be:	**$1,088,377.92**

Fenley & Nicol hereby agrees to furnish labor and materials and complete work at the above stated price. Above work to be performed under same conditions as specified in the original contract unless otherwise stipulated. This revision becomes part of, and in conformance with the existing contract.

Authorized Signature _____ Date 6/27/11
(F&N signs here)

Acceptance
Authorized Signature _____ Date 8/1/11
(National Grid signs here)

Fenley & Nicol Environmental, Inc.

"SOLUTIONS AT WORK"®

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CHANGE ORDER NO. 1 Revision #2

Customer: National Grid		Job#: 1002965	Date: 9-30-10
Street: 175 East Old Country Road		Job Name: Groundwater Treatment System #2	
City: Hicksville	State: New York 11801	Street: Intersection Street Former MGP Site	
Attn: Patrick Van Rossem	Customer No.: 120011	City: Hempstead	State: New York

Task No. 1 - Property Survey 158 Hilton Avenue

As per National Grid's request, we will provide a location survey for 158 Hilton Avenue, Hempstead, New York (aka Tax Lot 227, Block 285). This survey will include obtaining the horizontal location of site improvements such as buildings, walkways, drives, decks, extents of paved/concrete areas, visible surface utility hardware and other substantial permanent site improvements. We will utilize property corner evidence found in the field to establish these improvements with respect to the property line locations. All data will be compiled into a plan document in an AutoCAD format with two (2) signed and sealed copies being provided upon completion.

Lump Sum (Cost + 21%) $907.50

Task No. 1 Subtotal **$907.50**

Task No. 2 – Injection Point Well Head Modification

The Technical Specifications called for each injection point to be completed with a 1-inch diameter locking j-plug. Based upon lessons learned during the installation of the oxygen injection systems in the Bay Shore area these j-plugs can be blown off of the top of the injection points when the oxygen is introduced to the individual injection points creating a safety hazard. To prevent this safety hazard we will provide a ball valve at each injection point.

1" Sch 40 PVC Couplings (Cost + 21%)	59 each @ $0.78 each	$46.02
1" x ½" Sch 40 PVC Bushing (Cost + 21%)	59 each @ $0.52 each	$30.68
½" x 3/8" Sch 80 PVC Bushings (Cost + 21%)	59 each @ $1.15 each	$67.85
3/8" Black Close Nipples (Cost + 21%)	59 each @ $1.57 each	$92.63
3/8" Brass Quarter Turn Valve (Cost + 21%)	59 each @ $12.40 each	$731.60
1" J-Plug Credit	59 each @ <7.20> each	<$424.80>

Task No. 2 Subtotal **$543.98**

Task No. 3 – Oxygen Supply Line Check Valves

Based upon the observed breakthrough pressures, we will install an inline check valve on each oxygen injection supply line inside the remedial system shed.

¾" Polypropylene Check Valve (Cost + 21%) .... 59 each @ $16.06 each $947.54
¾" Polypropylene Hose Barbs (Cost + 21%) ..... 118 each @ $0.79 each $93.22
1" Stainless Steel Hose Clamps (Cost + 21%) .... 236 each @ $1.14 each $269.04
¾" Barbed Straight Connectors Credit ..... 59 each @ <$0.77> each ..... <$45.43>
Teflon Tape ..... 3 rolls @ $1.97 each $5.91
Journeyman Plumber (Local 200) ..... 8 hours @ $109.83 per hour $878.64

Task No. 3 Subtotal $2,148.92

Task No. 4 – Stump Removal @ 158 Hilton Avenue

As per National Grid's request, we will grind all tree stumps below grade, from the rear garage to the front gate, to accommodate the 2" bluestone gravel driveway.

Lump Sum (Cost + 21%) $968.00

Task No. 4 Subtotal $968.00

Task No. 5 – Stone Driveway @ 158 Hilton Avenue

As per National Grid's request, we will provide a 2" thick 3/8-inch diameter bluestone gravel driveway from the end of the asphalt driveway to the garage at the back of the property. We will excavate and grade the area accordingly to accommodate the 2" layer of bluestone gravel and will install filter fabric prior to gravel placement. We will retain a 2-foot wide planting bed along the house.

Lump Sum (Cost + 21%) $3,448.50

Task No. 5 Subtotal $3,448.50

Task No. 6 – Cultivate Non Disturbed Area @ 158 Hilton Avenue

As per National Grid's request, we will fill existing depressions in yard, add topsoil where needed and machine/hand grade areas. In addition, we will apply limestone, fertilizer and seed the remainder of the yard.

Lump Sum (Cost + 21%) $3,146.00
Stone Driveway Top Soil Credit ..... 13.5 tons @ <$23.00> per ton ..... <$310.50>
Stone Driveway Seed Credit ..... <$90.00>
Stone Driveway Fertilizer Credit ..... <$50.00>
Stone Driveway Operator Credit ..... 3 hours @ <$135.92> per hour ..... <$407.76>
Stone Driveway Laborer Credit ..... 2 hours @ <$96.48> per hour ..... <$192.96>

Task No. 6 Subtotal $2,094.78

Fenley & Nicol Environmental, Inc.

Task No. 7 – Uncontaminated/Unsuitable Soil Transportation & Disposal

In the original proposal we anticipated transporting uncontaminated/unsuitable soil for recycling at the 110 Sand & Gravel Facility in accordance with industry standards. National Grid determined that these materials could be transported to their Hicksville Facility for disposal. As such, we will provide dump trailers to transport uncontaminated/unsuitable soils to the National Grid Hicksville facility for disposal by others instead of transporting the uncontaminated/unsuitable soils to the 110 Sand & Gravel Facility.

Task No. 7 Subtotal.....No Cost

Task No. 8 – Oxygen Supply Line Installation to OW-2-10S & OW-2-10D

As per Construction Directive #3 we moved the location of injection points OW-2-10S and OW-2-10D to the grass public right of way area on the corner of Kensington Court between the sidewalk and Hilton Avenue. Based upon this move, the 12-inch diameter sleeve needs to be modified to direct and protect the ¾-inch poly oxygen supply lines towards the injection points. As such, we will furnish and install one 12-inch diameter Sch 40 PVC Wye fitting.

12" Sch 40 PVC Wye (Cost + 21%).....1 each @ $438.71 each.....$438.71
Freight (Cost + 21%).....$64.65

Task No. 8 Subtotal.....$503.36

Task No. 9 – Redevelopment of Injection Point OW-2-28S, OW-2-31 and OW-2-36

As per URS Corporation's request dated August 13, 2010, we will redevelop injection point OW-2-28S, OW-2-31 and OW-2-36.

Horiba U-22 Rental Meter (Cost + 21%).....1 day @ $121.00 per day.....$121.00
Waterra Hydrolift Pump Rental (Cost + 21%)....1 day @ $90.75 per day.....$90.75
Generator Rental (Cost + 21%).....1 day @ $54.45 per day.....$54.45
PID MiniRAE 3000 Rental (Cost + 21%).....1 day @ $90.75 per day.....$90.75
¼" x 3/8" Polyethylene Tubing (Cost + 21%).....1 roll @ $151.25 each.....$151.25
Laborer.....8 hours @ $96.48 per hour.....$771.84
Light Duty Truck (Blue Book).....8 hours @ $12.10 per hour.....$96.80

Task No. 9 Subtotal.....$1,376.84

Task No. 10 – Additional Pressure Testing of Injection Point OW-2-28S, OW-2-31 and OW-2-36

As per URS Corporation's request dated September 8, 2010, we will conduct an additional pressure test at the recently redevelop injection points (OW-2-28S, OW-2-31 and OW-2-36).

Journeyman Plumber (Local 200).....2 hours @ $109.83 per hour.....$219.66
Light Duty Truck (Blue Book).....2 hours @ $12.10 per hour.....$24.20
Compressor (Blue Book).....2 hours @ $27.82 per hour.....$55.64

Task No. 10 Subtotal.....$299.50

Task No. 11 – 158 Hilton Avenue Asphalt Driveway

As per the weekly meeting on September 8, 2010 we will remove and replace the north side (trench area) of the asphalt driveway (approximately 1,328 square feet) at 158 Hilton Avenue. We evaluated the costs and the most cost effective way to complete this work would be to use the direct bid cost provided by Lindley Bros. Asphalt Paving Inc. instead of utilizing Line Item #9 in the original contract. By utilizing this method we will save National Grid $1,281.11.

Upon completion of the installation on the north side of the driveway, we will seal coat the remainder of the driveway (approximately 3,264 square feet). In addition, we will return to the site and seal coat the entire driveway (approximately 4,592 square feet) in the Spring of 2011.

North Side Lump Sum (Cost + 21%).....$5,939.89
1st Seal Coat Lump Sum (Cost + 21%).....$987.36
Spring 2011 Seal Coat Lump Sum (Cost + 21%).....$1,389.08

Task No. 11 Subtotal.....$8,316.33

Task No. 12 – Hilton Avenue Asphalt Restoration

The Technical Specifications and Drawings for the project called for asphalt to be installed with a ¾" Type 1AC Wearing Course and a 1½" Type 1A Binder Course. Based upon the above, we provided our pricing for Line Item #10 in the base bid. The Village of Hempstead requirements for Class B Roadway Asphalt is 1½" Type 1A Binder Course with 1½" Type 6 Wearing Course. Based upon the Village of Hempstead requirements we will replace Line Item #10 in the base bid with a square foot price to replace the Class B Roadway Asphalt provided by Lindley Bros. Asphalt Paving Inc.

Hilton Avenue Asphalt (Cost + 21%).....Estimated 700 SF @ $13.61 per SF.....$9,527.00

Task No. 12 Subtotal.....$9,527.00

Task No. 13 – Install Stockade Fence @ Rear of 158 Hilton Avenue

As per National Grid's request during the weekly meeting on September 8, 2010, we will install new sections of wooden stockade fence and treated support poles from the garage at 160 Hilton Avenue to the remedial system enclosure gate poles at the rear of 158 Hilton Avenue.

Wood Stockade Fence (Cost + 21%)	4 sections @ $31.51 each	$126.04
4" x 4" x 8' Treated Posts (Cost + 21%)	6 each @ $10.48 each	$62.88
Journeyman Plumber (Local 200)	4 hours @ $109.83 per hour	$439.32
Laborer	4 hours @ $96.48 per hour	$385.92
Light Duty Truck (Blue Book)	4 hours @ $12.10 per hour	$48.40
Task No. 13 Subtotal		**$1,062.56**
Change Order Total		**$31,197.27**

The original contract sum was:	$804,006.00
Previously approved change orders:	$0.00
The contract sum prior to this change order was:	$804,006.00
The contract sum will be increased by this change order:	$31,197.27
The new contract sum including this change will be:	**$835,203.27**

Fenley & Nicol hereby agrees to furnish labor and materials and complete work at the above stated price. Above work to be performed under same conditions as specified in the original contract unless otherwise stipulated. This revision becomes part of, and in conformance with the existing contract.

Authorized Signature _____ Date 10/8/10
(F&N signs here)

Acceptance
Authorized Signature _____ * Date 10/26/10
(National Grid signs here)

Items can only be invoiced upon completion.

Fenley & Nicol Environmental, Inc.

Fenley & Nicol Environmental, Inc.

"SOLUTIONS AT WORK"®

445 Brook Avenue, Deer Park, NY 11729 (631) 586-4900 · NYC (718) 204-4993 FAX (631) 586-4920

CHANGE ORDER NO. 2

Customer: National Grid		Job#: 1002965	Date: 10-21-10
Street: 175 East Old Country Road		Job Name: Groundwater Treatment System #2	
City: Hicksville	State: New York 11801	Street: Intersection Street Former MGP Site	
Attn: Patrick Van Rossem	Customer No.: 120011	City: Hempstead	State: New York

Task No. 1 – Additional Remedial Compound Gate

As per National Grid's request and the System #2 Punch List dated October 14, 2010, we will provide a 29 ¾" wide by 6' tall chain link gate with barbed wire along the northwestern corner of the System #2 Remedial System Compound.

Lump Sum (Cost + 21%) $423.50

Change Order Total **$423.50**

The original contract sum was:	$804,006.00
Previously approved change orders:	$31,197.27
The contract sum prior to this change order was:	$835,203.27
The contract sum will be increased by this change order:	$423.50
The new contract sum including this change will be:	**$835,626.77**

Fenley & Nicol hereby agrees to furnish labor and materials and complete work at the above stated price. Above work to be performed under same conditions as specified in the original contract unless otherwise stipulated. This revision becomes part of, and in conformance with the existing contract.

Authorized Signature _____ Date 10/21/10
(F&N signs here)

Acceptance
Authorized Signature _____ Date 10/26/10
(National Grid signs here)

URS

Memorandum

Date: August 9, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Response to RFI No. 1**
Hempstead MGP Site- Groundwater Treatment System #2

QUESTION:

In order to install the monitoring points via direct push drilling techniques, a 4.5-inch diameter casing is required. Based upon the difficult drilling conditions observed during the advancement of the 3.25-inch diameter direct push casings used to install the injection points, the F&N and Glacier master drillers discussed the possibility of advancing the 4.5-inch diameter direct push casing to the required depths. As a result of those discussions, we have determined that there is only a slight possibility (less than 3%) of reaching the required depths with the 4.5-inch diameter direct push casings.

Based upon the above, F&N is requesting permission to change the drilling method for the remaining monitoring points (MP-2-1, MP-2-2, MP-2-3S and MP-2-3D) from Direct Push to Hollow Stem Augers.

ANSWER:

This request has been accepted. Monitoring points may be installed using hollow stem augers.

cc: Patrick Van Rossem
Megan Dascoli
Kirk White
File 11175065 C-1

URS

Memorandum

Date: September 1, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Response to RFI No. 2**
Hempstead MGP Site- Groundwater Treatment System #2

QUESTION:

On April 5, 2010, we submitted a Concrete Design Mix under submittal number NG2010-101. The design mix was approved as noted on April 19, 2010. The notes dictated that the mix was approved with the exception of the concrete slump and that the slump needs to meet the 3 inches ± 0.5 inches as per Technical Specification Section 03010. In addition, the notes indicated that the proposed concrete must meet the requirements of the Village of Hempstead.

On August 30, 2010, we provided a copy of the Village of Hempstead Concrete Specifications. These specifications require concrete to have a compressive strength of 3,500 P.S.I. after 28 days with a slump for curb, curb and gutter and plain gutter to be not less than 2 inches nor more than 5 inches and for sidewalks to be not less than 3 inches nor more than 6 inches. The proposed concrete design mix submitted on April 5, 2010 was for a compressive strength of 4,000 P.S.I. with a maximum slump of 4 inches ± 1 inch which exceeds the compressive strength and meets the slump requirements of the Village of Hempstead.

Based upon the above, F&N is requesting permission to utilize the previously submitted concrete design mix of 4,000 P.S.I. with a maximum slump of 4 inches ± 1 inch.

ANSWER:

This request has been accepted. The design mix needs to meet the Village of Hempstead specifications.

cc: Patrick Van Rossem
Megan Dascoli
Kirk White
File 11175065 C-1

URS

Memorandum

Date: October 20, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Response to RFI No. 3**
Hempstead MGP Site- Groundwater Treatment System #2

QUESTION:

As per our e-mail dated September 1, 2010 and based upon the discussions during the weekly meeting held on March 8, 2010, below please find the costs to repair the damaged concrete areas at the intersection of Kensington Court and Hilton Avenue. As discussed, it is still our position that as the concrete was damaged as a direct result of moving the injection points to the grass public right of way on the corner between the sidewalk and Hilton Avenue that the removal and replacement of the damaged handicap ramp be covered by National Grid utilizing Line Item #8 and Line Item #24 in the base contract.

Handicap Ramp Repair

Line Item #24 Curb/Cutter Remove & Replace ..... 16 LF @ $59.00 per LF $944.00
Line Item #8 Sidewalk Remove & Replace..... 98 SF @ $25.00 per SF..... $2,450.00
ADA Detectable Dome Warning Strip (Cost Plus 21%) $363.00

Handicap Ramp Repair Total $3,757.00

As discussed during the weekly meeting, we are willing to absorb the costs of the repair work associated with the damaged driveway apron.

Damaged Driveway Apron Repair

Line Item #24 Curb/Cutter Remove & Replace ..... 11 LF @ $59.00 per LF $649.00
Line Item #8 Sidewalk Remove & Replace ..... 99 SF @ $25.00 per SF..... $2,475.00

Damaged Driveway Apron Repair Total $3,124.00

Task No. 16 Subtotal (National Grid Costs)..... $3,757.00

Based upon the above we are requesting acceptance of the proposed plan for the Handicap Ramp & Driveway Apron repairs.

URS

ANSWER:

This request has been accepted. The Driveway Apron Repair costs are to be borne by F&N. F&N may invoice for the costs for the Handicap Ramp Repair ($3,757) according to contract rates (Line items #24 and #8) and by supported backup (e.g. supplier invoice) for the Detectable Dome Warning Strip.

cc: Patrick Van Rossem
Kirk White
File 11175065 C-1

URS

Memorandum

Date: November 1, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Response to RFI No. 4**
Hempstead MGP Site- Groundwater Treatment System #2

QUESTION:

As per Technical Specification Section 11302 Paragraph 1.2.4, we are officially requesting written acceptance by the Engineer and National Grid that Oxygen Injection System #2 has reached a "Point of Beneficial Use" as of Monday, October 25, 2010. The system has operated for two consecutive weeks with 95% uptime or greater as per the definition listed in Section 11302 Paragraph 1.2.4.

ANSWER:

URS can not issue the point of beneficial use without adequate documentation of operation. To date, we have received three log sheets, only two of which (dated 10/14/10 and 10/20/10) are from after the system was started up. No other documentation has been received. The start up specification (11302) calls for "detailed documentation of the startup and testing of the treatment systems" including daily entries in a testing log. There were alarm conditions on 10/12/10, 10/15/10, and 10/24/10 and there is no log of these alarms nor discussion of how much downtime resulted.

It is also noted that an approvable startup plan and O&M plan has not yet been received. The original submittal of these plans was returned for revision on 10/20/10.

cc: Patrick Van Rossem
Kirk White
File 11175065 C-1

URS

Memorandum

Date: November 10, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Response to RFI No. 4 Revision 1**
Hempstead MGP Site- Groundwater Treatment System #2

QUESTION:

The RFI #4 response, dated November 1, 2010, requested a discussion of the alarm conditions observed on 10-12, 10-15 and 10-24 and there affect on uptime and adequate startup and testing documentation. The alarm condition observed on 10-12 occurred during the startup and testing of the system, as part of the testing procedures, Matrix Environmental Technologies, Inc. (Matrix) disrupted the power to the system to trigger an alarm condition to test the PLC system. This test did not affect the uptime of the system. The alarm conditions observed on 10-15 were triggered when Maple Leaf Environmental Equipment, Ltd. (MLE), the system manufacturer, remotely installed a firmware update to the PLC control system for all of their oxygen injection systems. The update triggered a series of PLC alarms from the system which did not affect the uptime of the system. The alarm condition observed on 10-24 was caused by an unknown power failure at approximately 3:45 AM. The system is designed to restart automatically when power is restored. As such, we utilized the remote access system to check the status of the system at approximately noon on 10-24 and the system was fully operational. There is no way to determine exactly when the power was restored to the system, however based on the information received from the remote access system the alarm resulted in minimal downtime.

In addition to the above alarm discussion, we have enclosed a copy of the startup testing checklists and paperwork completed by Matrix. Based upon the above discussion, the enclosed startup paperwork and our discussion in the field on Wednesday, November 3, 2010, we are officially requesting written acceptance by the Engineer and National Grid that Oxygen Injection System #2 has reached a "Point of Beneficial Use".

ANSWER:

The system can be considered to have reached "Point of Beneficial Use".

cc: Patrick Van Rossem
Kirk White
File 11175065 C-1

URS

Memorandum

Date: November 23, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Response to RFI No. 5**
Hempstead MGP Site- Groundwater Treatment System #1

QUESTION:

1. In order to install the monitoring points via direct push drilling techniques, a 4.5-inch diameter casing is required. Based upon the difficult drilling conditions observed during the advancement of the 3.25-inch diameter direct push casings used to install the injection points, the F&N and Glacier master drillers discussed the possibility of advancing the 4.5-inch diameter direct push casing to the required depths. As a result of those discussions, we have determined that there is only a slight possibility (less than 3%) of reaching the required depths with the 4.5-inch diameter direct push casings. Based upon the above, F&N is requesting permission to change the drilling method for the following monitoring points (MP-1-1D, MP-1-2D, MP-1-3D, MP-1-4D, MP-1-5, MP-1-6 and MP-1-7) from Direct Push to Hollow Stem Augers.

2. The Technical Specifications called for each injection point to be completed with a 1-inch diameter locking j-plug. Based upon lessons learned during the installation of the oxygen injection systems in the Bay Shore area these j-plugs can be blown off of the top of the injection points when the oxygen is introduced to the individual injection points creating a safety hazard. To prevent this safety hazard we are requesting permission to install a ball valve at each injection point.

3. Based upon the observed breakthrough pressures at System #2 and the similar design parameters for System #1, we are requesting permission to install an inline check valve on each oxygen injection supply line inside the remedial system shed at System #1

ANSWER:

These requests are approved. They represent the same changes that were previously approved for System #2.

Please note, I have renumbered this RFI as RFI #5.

cc: Patrick Van Rossem
Kirk White
File 11175065 C-1

URS

Memorandum

Date: April 16, 2011

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Response to RFI No. 6**
Hempstead MGP Site- Groundwater Treatment System #1

QUESTION:

In response to National Grid's request to install four (4) additional 2-inch monitoring wells at the above referenced site, F&N has reviewed the proposed well locations and the proposed well depths for accessibility with a Geoprobe Model 7720 and the ability to install the wells via direct push drilling techniques. Based upon our review all depths are accessible with the Geoprobe Model 7720. However, the Geoprobe Model 7720 would not be able to direct push the 4.5-inch diameter casing required to install the 2-inch wells.

Based upon the proposed drilling depths and the depths previously reached during the installation of the oxygen injection wells, F&N is proposing installing 1.5-inch diameter pre-packed wells inside the 3.25-inch diameter casings instead of 2-inch diameter wells.

ANSWER:

Because some instruments we may need to use in the wells require 2-inch diameter wells, the request for 1.5-inch wells is rejected.

cc: Patrick Van Rossem
Kirk White
File 11175065 C-1

URS

Memorandum

Date: April 26, 2011

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Response to RFI No. 7**
Hempstead MGP Site- Groundwater Treatment System #1

QUESTION:

In response to National Grid's request to install four (4) additional 2-inch monitoring wells at the above referenced site, F&N is requesting the construction details for the proposed wells. In order to properly plan for the project we require a map that shows the proposed locations, proposed drilling depths, required screen length and slot size and annular space backfilling requirements.

ANSWER:

Construction Details:

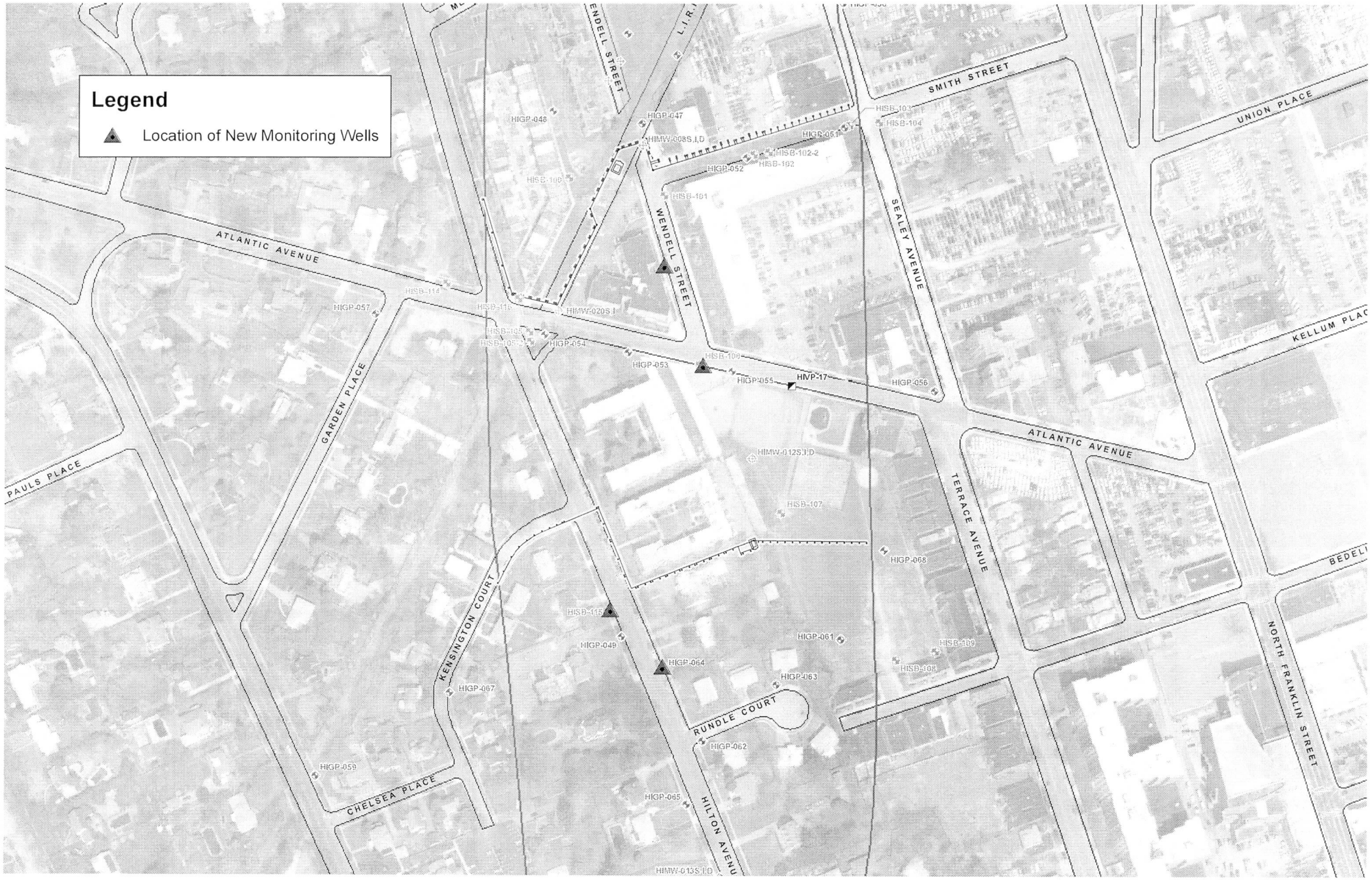
Wells shall be constructed in accordance with the "Typical Monitoring Well Detail" shown on Drawing 9 of the project plans. Among other things, this detail calls for 0.010" slot size and Moire NO. 00 silica sand pack (extending 12 inches above and below the screen), 24" of bentonite pellet seal above the sand pack, and cement bentonite grout above that. Refer to the drawing for details.

Screen intervals shall be:

	Interval amsl		Interval bgs	
Location	top	bottom	top	bottom
Wendell St.	19.5	9.5	42	52
Near HISB-106	14.5	4.5	45	55
Near HISB-115	6	-4	68	78
Near HIGP-64	19	9	54	64

The locations are shown on the attached figure.

cc: Patrick Van Rossem
Kirk White
File 11175065 C-1


Legend
Location of New Monitoring Wells
ATLANTIC AVENUE
GARDEN PLACE
PAULS PLACE
CHELSEA PLACE
KENSINGTON COURT
WENDELL STREET
ENDELL STREET
SEALEY AVENUE
SMITH STREET
UNION PLACE
KELLUM PLACE
TERRACE AVENUE
RUNDLE COURT
NORTH FRANKLIN STREET
HILTON AVENUE
HIMW-020S,I
HIMW-008S,I,D
HIMW-012S,I,D
HIMW-013S,I,D
HIVP-17
HIGP-046
HIGP-047
HIGP-048
HIGP-049
HIGP-051
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HIGP-067
HIGP-068
HISB-100
HISB-101
HISB-102-2
HISB-103
HISB-104
HISB-106
HISB-107
HISB-108
HISB-109
HISB-114
HISB-115

URS

Memorandum

Date: May 18, 2011

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Response to RFI No. 8**
Hempstead MGP Site- Groundwater Treatment System #1

QUESTION:

1. Section 01770 Section 1.2.1.1 Submittals references the operation & maintenance manual – do we need to resubmit?
2. Section 10720 Section 1.2 - Project Record Documents -All documents that were required to be on site - do we need to make copies of all and re-submit them in triplicate, (i.e. approved health & safety plan, change orders, etc)?
3. Section 01720 Section 1.3.4 - Specifications - do we need to copy all submittals previously sent in and include as project record documents or just submit items that deviated from the original?
4. Section 01320 - Section 1.2.2 -do we need to resubmit the daily construction reports?

ANSWER:

1. All Project Record Documents listed in Section 01720 need to be submitted as part of the substantial completion process. This includes those submitted before. However, Section 01720 lists "Technical Specifications" as a Project Record Document. Although the technical specifications are required to be kept on site, these do not need to be submitted during the substantial completion process.
2. See response 1. These may be submitted on CD. Triplicates are not needed.
3. All submittals previously sent need to be submitted with the Project Record Documents. Only the final approved versions are needed. These may be submitted on CD.
4. Daily construction reports shall be submitted as part of the Project Record Documents. These may be submitted on CD.

cc: Patrick Van Rossem
Kirk White
File 11175065 C-1

URS

Memorandum

Date: June 7, 2011

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Response to RFI No. 9**
Hempstead MGP Site- Groundwater Treatment System #1

QUESTION:

As per Technical Specification Section 11302 Paragraph 1.2.4, we are officially requesting written acceptance by the Engineer and National Grid that Oxygen Injection System #1 has reached a "Point of Beneficial Use" as of Tuesday, May 31, 2011. The system has operated for two consecutive weeks with 95% uptime or greater as per the definition listed in Section 11302 Paragraph 1.2.4.

ANSWER:

System No. 1 has reached the "Point of Beneficial Use" as of May 31, 2011, as described by Section 11302 Paragraph 1.2.4.

It is noted that this is not related to determination of substantial or final completion as defined by Section 01770

cc: Patrick Van Rossem
Kirk White
File 11175065 C-1

URS

Memorandum

Date: June 10, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Construction Change Directive No. 1 (rev. a)**
Intersection Street MGP Groundwater Treatment System

This Construction Change Directive directs Fenley & Nicol to perform exploratory boring in accordance with Bid Item No. 23. The exploratory boring shall be performed to evaluate the location of a fine grained soil layer along and near the portion of the route of system No. 2 between Mirschel Park and Hilton Ave. This directive authorizes two days of boring.

The first day's operation shall be for sampling at a location near where boring HISB-115 was installed earlier on the west side of Hilton Ave. The exact location of the boring shall be selected in consultation with the Engineer and in a location subject to existing valid road opening permits. The intention is that this location be almost the same location as HISB-115. Continuous soil samples shall be collected for visual inspection and classification by the Engineer from the depth interval of 60 to 100 feet below ground surface (bgs).

The second day's operation shall be for sampling in the residential backyard just west of Mirschel Park (158 Hilton property). The exact location shall be selected in consultation with the Engineer. Continuous soil samples shall be collected for visual inspection and classification by the Engineer from the depth interval of 65 to 85 feet bgs. If time allows, a second boring with similar depth interval sampling shall be performed at a second suitable location on the 158 Hilton Ave. property. If the Engineer and the Contractor mutually agree that insufficient time is available to install two borings, the sampling interval at the boring installed on day 2 shall be extended above and below the 65-85 foot bgs base interval.

At the Owner's discretion, the second day of boring may be eliminated based on the results observed during the first day of boring.

Applicable paragraphs of Section 02405 of the specifications shall be followed. For example, each borehole shall be abandoned by tremie grouting from bottom to top.

cc: Patrick Van Rossem
Megan Dascoli
Kirk White
File 11175065 C-1

Matthew Schieferstein

From: <Jon_Sundquist@URSCorp.com>
To: "Matthew Schieferstein" <mschieferstein@fenleynicol.com>; "Van Rossem, Patrick J." <Patrick.VanRossem@us.ngrid.com>
Cc: <kirk_white@URSCorp.com>; <Megan_Dascoli@URSCorp.com>
Sent: Thursday, June 10, 2010 5:02 PM
Attach: construction_change_directive_1a.pdf
Subject: Revision to Construction Change Directive, was Re: HISB-115 and GW contamination depth/thickness

In discussions with Pat, the plan is now to do the location on Hilton Ave. (near HISB-115) first (on Friday), and to increase its interval to 60 - 100 feet.

Megan Dascoli will select the location to be as close as possible (though not identical) to HISB-115.

A revised directive is attached.

Jon Sundquist

(See attached file: construction_change_directive_1a.pdf)

Jon Sundquist/Buffalo/URSCorp

Jon Sundquist/Buffalo/URSCorp 06/10/2010 04:03 PM	To Matthew Schieferstein <mschieferstein@fenleynicol.com> cc kirk_white@URSCorp.com, Megan_Dascoli@URSCorp.com, "Van Rossem, Patrick J." <Patrick.VanRossem@us.ngrid.com> Subject Re: HISB-115 and GW contamination depth/thickness

Matt:

Please find attached Construction Change Directive No. 1 with the instructions for these borings. This is in accordance with our discussions this afternoon.

Jon Sundquist

[attachment "construction_change_directive_1.pdf" deleted by Jon Sundquist/Buffalo/URSCorp]

Matthew Schieferstein <mschieferstein@fenleynicol.com>

Matthew Schieferstein <mschieferstein@fenleynicol.com> 06/10/2010 01:30 PM	To "Van Rossem, Patrick J." <Patrick.VanRossem@us.ngrid.com>, Jon_Sundquist@URSCorp.com cc Megan_Dascoli@URSCorp.com, kirk_white@URSCorp.com Subject Re: HISB-115 and GW contamination depth/thickness

We will go to wherever we are directed to by National Grid or URS.

I just wanted to make sure everyone knew we had the road permits.

Matthew F. Schieferstein

Project Manager
Fenley & Nicol Environmental, Inc.
445 Brook Avenue
Deer Park, NY 11729
Phone: 631-586-4900 x128
Fax: 631-586-4920
Cell: 516-702-0025
e-mail: mschieferstein@fenleynicol.com
----- Original Message -----
From: Van Rossem, Patrick J.
To: Matthew Schieferstein ; Jon_Sundquist@URSCorp.com
Cc: Megan_Dascoli@URSCorp.com ; kirk_white@URSCorp.com
Sent: Thursday, June 10, 2010 1:15 PM
Subject: RE: HISB-115 and GW contamination depth/thickness

Matt- OK do you propose starting behind the 158 garage first as I'd like to see the western point location?

Patrick J. Van Rossem
Project Manager
Site Investigation & Remediation Dept.
National Grid
175 East Old Country Road
Hicksville, NY 11801
516.545.2578 (office)
516.545.2582 (fax)
patrick.vanrossem@us.ngrid.com

From: Matthew Schieferstein [mailto:mschieferstein@fenleynicol.com]
Sent: Thursday, June 10, 2010 1:14 PM
To: Van Rossem, Patrick J.; Jon_Sundquist@URSCorp.com
Cc: Megan_Dascoli@URSCorp.com; kirk_white@URSCorp.com
Subject: Re: HISB-115 and GW contamination depth/thickness

We have the road opening permits on-site for Hilton Avenue & Kensington Court. We are good for any openings we need to do.

Matt

Matthew F. Schieferstein
Project Manager
Fenley & Nicol Environmental, Inc.
445 Brook Avenue
Deer Park, NY 11729
Phone: 631-586-4900 x128
Fax: 631-586-4920
Cell: 516-702-0025
e-mail: mschieferstein@fenleynicol.com
----- Original Message -----
From: Van Rossem, Patrick J.
To: Jon_Sundquist@URSCorp.com
Cc: Megan_Dascoli@URSCorp.com ; mschieferstein@fenleynicol.com ; kirk_white@URSCorp.com
Sent: Thursday, June 10, 2010 12:25 PM
Subject: RE: HISB-115 and GW contamination depth/thickness

Jon,

OK. If we don't have road opening permits then we could consider doing the westerly point on the western

edge of the 158 property? Maybe we do every 5 feet starting from 10 feet above the refusal zone to 15 feet below (5 soil samples over a 25 foot interval)- possibly deeper depending on observations noted. Let me know what the status of this is as I want input on locating this western point. Thanks.

Pat

Patrick J. Van Rossem
Project Manager
Site Investigation & Remediation Dept.
National Grid
175 East Old Country Road
Hicksville, NY 11801
516.545.2578 (office)
516.545.2582 (fax)
patrick.vanrossem@us.ngrid.com

From: Jon_Sundquist@URSCorp.com [mailto:Jon_Sundquist@URSCorp.com]
Sent: Thursday, June 10, 2010 12:17 PM
To: Van Rossem, Patrick J.
Cc: Megan_Dascoli@URSCorp.com; mschieferstein@fenleynicol.com
Subject: RE: HISB-115 and GW contamination depth/thickness

Pat:

I talked to both Megan and Matt. Megan said she and the drillers had already been discussing the possible need for boring to log the soils. Matt agreed that this would be useful as well and confirmed that they had a daily rate for doing this.

Reviewing our logs for 115 showed that they drove down to the bottom (~94 ft) and then sampled on the way up. At the bottom, they had trouble pulling back up which suggests that the fine grained sediments are at that depth over there.

We should try to get two borings in tomorrow. Matt said that each sample is a separate drive down since unlike HSA drilling the hole doesn't stay open. So we should pick the intervals that will allow them to get two holes done in a day. I think one should be where they are now (near the garage) with it going from just above the refusal point to a zone perhaps 15 - 20 deeper. The second one should be over at Hilton Ave. and ideally cover the interval from just above where they are getting refusal now down to the depth we are proposing for setting the well.

I told Matt that this would be a go for tomorrow and that we would discuss more this afternoon the details of the depths.

Jon Sundquist

"Van Rossem, Patrick J." <Patrick.VanRossem@us.ngrid.com>

"Van Rossem, Patrick J." <Patrick.VanRossem@us.ngrid.com>
06/10/2010 12:02 PM

To<Jon_Sundquist@URSCorp.com>
cc
SubjectRE: HISB-115 and GW contamination depth/thickness

OK Jon Thanks. Let me know your opinion re: if we currently have sufficient soil data.

Patrick J. Van Rossem
Project Manager
Site Investigation & Remediation Dept.
National Grid
175 East Old Country Road
Hicksville, NY 11801
516.545.2578 (office)
516.545.2582 (fax)

patrick.vanrossem@us.ngrid.com

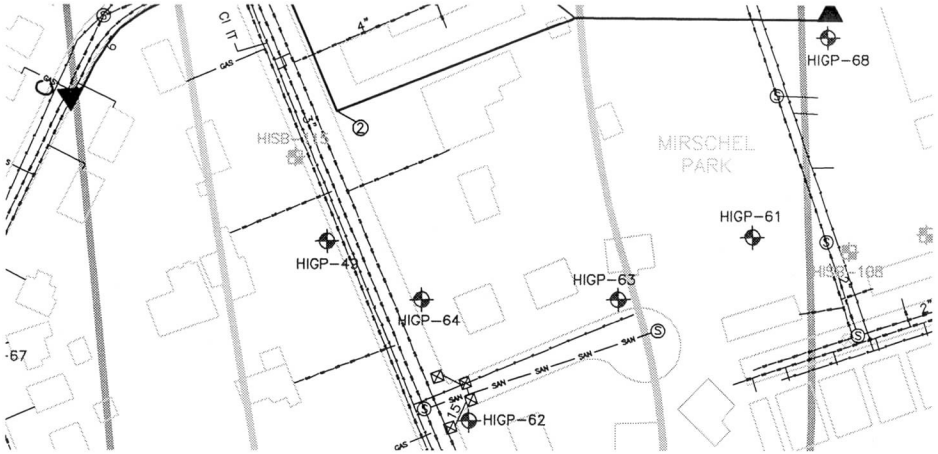
From: Jon_Sundquist@URSCorp.com [mailto:Jon_Sundquist@URSCorp.com]
Sent: Thursday, June 10, 2010 11:53 AM
To: Van Rossem, Patrick J.
Subject: HISB-115 and GW contamination depth/thickness

Pat:

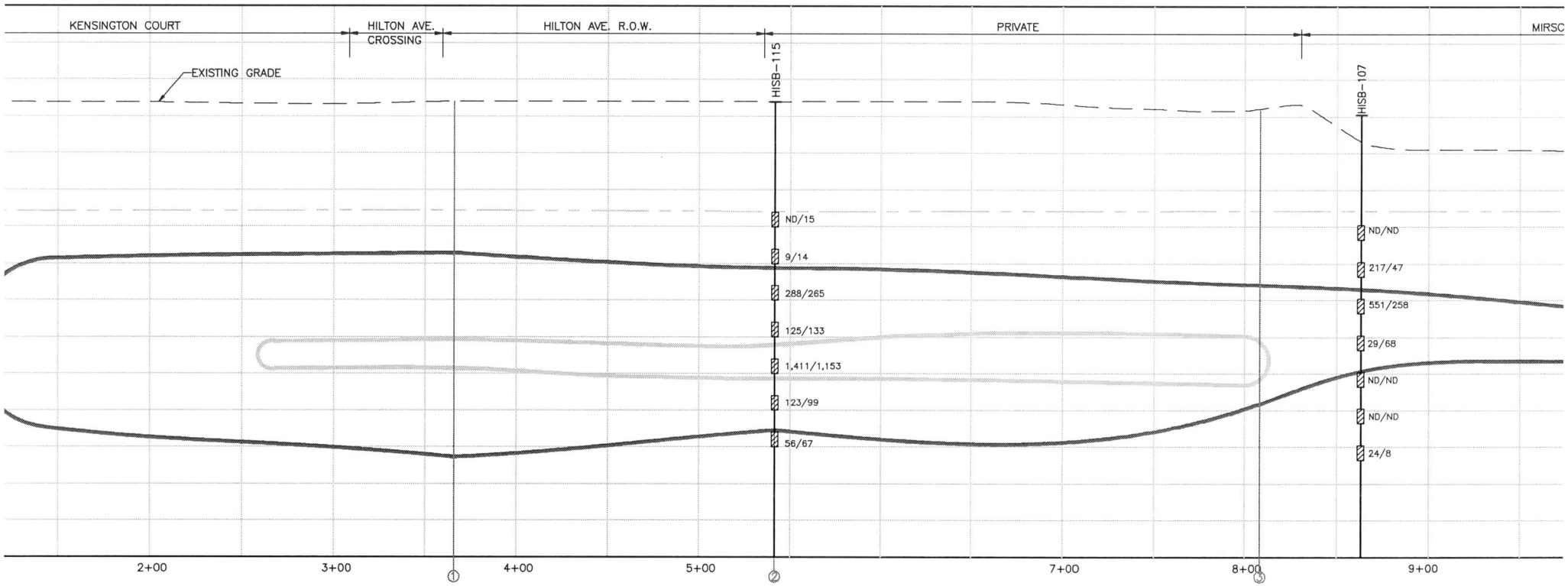
Just as a followup from our call, it was DWG-6 from the GW design report that shows why the wells are at the depths that propose. This figure corrects for the different ground elevations. As you can see on this figure, we show the depth of contamination thickening and deepening as we head west, which is why the injection well layout is as it is.

Jon Sundquist

(See attached file: DWG-6.pdf)



OFFSET FROM THE CROSS-SECTION AND THUS DO NOT EXACTLY ALIGN TO THE PLUME CONTOUR LINES SHOWN. THE SCREENED INTERVALS FOR SOME OXYGEN DELIVERY WELLS SHOWN ON DRAWING 9 HAVE BEEN ADJUSTED TO ACCOUNT FOR THE FACT THAT THE CONTAMINATION MAY BE PRESENT OUTSIDE THE BOUNDARIES SHOWN.



URS

Memorandum

Date: July 6, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Construction Change Directive No. 2**
Intersection Street MGP Groundwater Treatment System

This Construction Change Directive refers to the depths of the shallow oxygen injection wells for System No. 2. This system calls for both shallow and deep injection wells in the middle portion of the system to allow injection of oxygen directly into the higher concentration zones of the plume located at depths shallower than the overall depth of the plume. The depths in the design documents are based upon interpolation of sampling data. However, a primary reason for the higher concentrations in this zone is the interface between the glacial sediments and the upper Magothy formation. This interface has finer grained soils that can reduce contaminant migration, and to which contaminants can more readily adsorb.

Therefore, the shallow wells shall be installed at or immediately above the zone of fine grained soils. In practice, Fenley & Nicol shall bore until refusal is encountered with the 7720 rig, making an effort to advance the well sumps into the top of this zone. The injection well should then be installed at this depth.

cc: Patrick Van Rossem
Megan Dascoli
Kirk White
File 11175065 C-1

URS

Memorandum

Date: July 6, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Construction Change Directive No. 3**
Hempstead MGP Site- Groundwater Treatment System #2

This Construction Change Directive refers to the locations of the System No. 2 wells along Kensington Court. There are several changes to the locations of the planned wells:

- OW-2-1 is being eliminated.
- OW-2-2 is moved east approximately 8 feet so that it is located just east of the base of the pole guy wire. It should be near, but not directly adjacent (minimum 4 feet away) from, the location of the recent exploratory borings near HISB-119 to avoid the associated grouted zones from those two HISB-119 boreholes.
- The well pair of OW-2-10S and OW-2-10D will be moved approximately 15 feet east to be located in the grass public right of way area on the corner between the sidewalk and Hilton Ave.
- Well OW-2-9 will be moved about 5 feet east of the design location, and be installed at the deep depth indicated on the drawings, and shall be known as OW-2-9D
- A new shallow well, OW-2-9S shall be adjacent to OW-2-9D .

cc: Patrick Van Rossem
Megan Dascoli
Kirk White
File 11175065 C-1

URS

Memorandum

Date: September 16, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Construction Change Directive No. 4**
Hempstead MGP Site- Groundwater Treatment System #2

This Construction Change Directive refers to installation of inline check valves on each oxygen injection supply line inside the remedial system shed. The check valves shall be gas-rated. A cut sheet of the check valves to be used shall be submitted. The estimated cost of the construction change is as follows:

¾" Polypropylene Check Valve (Cost + 21%)	59 each @ $16.06 each	$947.54
¾" Polypropylene Hose Barbs (Cost + 21%)	118 each @ $0.79 each	$93.22
1" Stainless Steel Hose Clamps (Cost + 21%)	236 each @ $1.14 each	$269.04
¾" Barbed Straight Connectors Credit	59 each @ <$0.77> each	<$45.43>
Teflon Tape	3 rolls @ $1.97 each	$5.91
Journeyman Plumber (Local 200)	8 hours @ $109.83 per hour	$878.64

Task No. 3 Subtotal $2,148.92

Only actual incurred costs shall be invoiced, and not to exceed the above estimated amount.

cc: Patrick Van Rossem
Megan Dascoli
Kirk White
File 11175065 C-1

URS

Memorandum

Date: November 17, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Construction Change Directive No. 5**
Hempstead MGP Site- Groundwater Treatment System #2

This Construction Change Directive refers to measurement of dissolved oxygen in the monitoring wells at System #2 in accordance with Specification Section 11303, paragraph 3.3. Dissolved Oxygen measurements shall be taken at depths of one foot from the bottom of the monitoring well screen interval. This depth approximately corresponds to the elevation of the screen of the closest oxygen injection well to the monitoring well.

cc: Patrick Van Rossem
Kirk White
File 11175065 C-1

URS

Memorandum

Date: December 2, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Construction Change Directive No. 6**
Hempstead MGP Site- Groundwater Treatment System #1

This Construction Change Directive refers to placement of marker balls in the trenches of System #1.

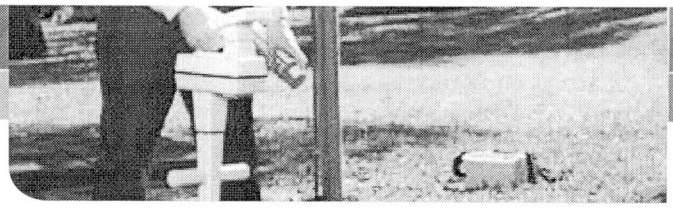
National Grid will supply approximately 40 – 50 marker balls. These balls will be "3M™ Dynatel™ EMS 4" Extended Range 5` Ball Marker – Gas". F&N shall install these balls according to the attached instructions.

Balls should be installed at approximately equal linear intervals along the length of the system #1 trench. After determining the appropriate interval distance, the actual location of each ball's placement should correspond to the nearest oxygen injection well location along the trench line. Additionally, marker balls should be placed at each location where the direction of the trench changes (e.g. near the intersection of Smith and Wendell streets).

F&N shall record the ID of each ball placed, and the corresponding location, denoted either as the location of the adjacent oxygen injection well or the change in direction location (e.g. corner of Smith and Wendell).

Selection of the locations shall be coordinated with the URS onsite inspector.

cc: Patrick Van Rossem
Kirk White
File 11175065 C-1



3M™ Electronic Marker System (EMS) Ball Markers

The 3M™ Ball Marker makes the job of precisely locating underground facilities easier. Other buried markers can be disturbed by backfill dirt or installed improperly so they don't stay positioned correctly. The 3M ball marker's unique self-leveling design ensures the marker is always in an accurate, horizontal position regardless of how it is placed into the ground.

3M™ Electronic Marker System (EMS) XR/iD Ball Markers

The addition of the new 3M-iD markers provides additional functionality by enabling facility data to be stored in the marker to ensure positive identification of facilities. The pre-programmed unique serial number integrates with back office mapping and GIS systems when used for mapping new and legacy assets and points of special interest for construction and maintenance applications.

The ball marker is buried over key facilities during construction or maintenance. Later, the marker is easily and accurately located using a 3M™ Dynatel™ Locator. The locator transmits a signal to the buried marker. The marker returns the signal to the locator, indicating the marker's exact position. The compact electronic locator gives both a visual reading and an audible tone.

Features	Benefits
Accurate even in congested areas	Helps eliminate mislocates
Underground marker	Protected from damage from above-ground environment
Durable	Long-lasting passive antenna encased in waterproof shell helps identify underground facilities for years to come
Frequency- and color-coded	Helps identify specific utility
Easy to Use	Minimal training
RFiD capability	Positive identification using facility information
Physical Specifications	
Size	4" diameter sphere (10.4 cm diameter)
Weight	Net: 0.7 lb. (0.35 kg)/ Shipping: 24 lb. (10.4 kg)
Packaging	30 per carton
3M iD Markers Read Range	With a 'U' model (U.S.) locator: 5 ft. (1.5 m) With a 'E' model (Export, CE) locator: 1.2 m (Tel, Gas, WW, Comm)/1.0 m (Pwr, Wtr)
3M Passive Markers Detection Range	5 ft (1.5 m)
Environmental Specifications	
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Storage Temperature	-40°F to 158°F (-40°C to 70°C)

3M

3M™ Full Range Markers

Image	Product	Application	Stock Number
	**3M™ EMS Ball Marker 1401-XR**	Telecommunications industry	80611161136
	**3M™ iD Ball Marker 1421-XR/iD**	Telecommunications industry	80611142193
	**3M™ EMS Ball Marker 1402-XR**	Power industry	80611161144
	**3M™ iD Ball Marker 1422-XR/iD**	Power industry	80611142201
	**3M™ EMS Ball Marker 1403-XR**	Water industry	80630000323
	**3M™ iD Ball Marker 1423-XR/iD**	Water industry	80611143225
	**3M™ EMS Ball Marker 1404-XR**	Wastewater industry	80630000331
	**3M™ iD Ball Marker 1424-XR/iD**	Wastewater industry	80611143233
	3M™ EMS Ball Marker 1405-XR	Gas industry	80630000257
	3M™ iD Ball Marker 1425-XR/iD	Gas industry	80611143241
	**3M™ EMS Ball Marker 1407-XR**	Cable TV and communications	80611161151
	**3M™ EMS Ball Marker 1427-XR/iD**	Cable TV and communications	80611142219
	**3M™ EMS Ball Marker 1408-XR**	General purpose and reclaimed water	80611168354
	**3M™ iD Ball Marker 1428-XR/iD**	General purpose and reclaimed water	80611142227

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the products which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Conditional Limited Warranty

3M provides the following Conditional Limited Warranty for its iD Electronic Marker Products: When installed in accordance with 3M's installation instructions, 3M warrants iD Electronic Markers for a period of ten (10) years form the date of purchase of the product, to be free from defects in material and manufacture, provided iD Electronic Markers are located with 3M™ Dynatel™ Locators or other brand locators as may be designated by 3M in writing. This warranty does not extend to iD Electronic Markers that have been subjected to misuse or improper application or that have been repaired or altered by others. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE.** If the iD Marker is found to be defective within the warranty period, your exclusive remedy shall be, at 3M's options, to repair or replace the iD Markers or refund the purchase price. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

Conditional Lifetime Warranty

3M provides the following Conditional Limited Warranty for its Electronic Marker Products (non-iD versions only): When installed in accordance with 3M's installation instructions, 3M warrants Electronic Markers for the lifetime of the product, to be free from defects in material and manufacture, provided the Electronic Markers are located with 3M™ Dynatel™ Locators or other brand locators as may be designated by 3M in writing. This warranty does not extend to Electronic Markers that have been subjected to misuse or improper application or that have been repaired or altered by others. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE.** If the Electronic Marker is found to be defective during the normal lifetime of the product, your exclusive remedy shall be, at 3M's options, to repair or replace the Electronic Markers or refund the purchase price. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

3M

Track and Trace Solutions
6801 River Place Blvd.
Austin, TX 78726-9000
800/426 8688
Fax 800/626 0329
www.3M.com/dynatel

75-4700-2775-8

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3M™ Dynatel™ EMS 4" Extended Range 5` Ball Marker - Gas

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Material Safety Data (MSDS)

OH&ES Distributor L

Industrial Distributor

Click to Enlarge

The 3M™ Dynatel™ EMS Extended-Range Ball Markers have a self-leveling design providing accurate, horizontal position regardless of how it is placed in the ground, making the job of precisely locating underground facilities easier.

Additional Information

3M ID: 80-6300-0025-7

GTIN(UPC/EAN): 0 00 51138 71734 6

Characteristics:

Name	Value
Application/Industry	Gas
China RoHS - Below MCV	Not applicable
Color	Yellow
EU RoHS Compliant	Non-applicable
Marker Depth	5 feet (1.5m)
Marker Dimension (cm)	10.2 cm D
Marker Dimension (inch)	4 inch Diameter
Marker Type	Ball
Programmable/Passive	Passive
Range	0 to 5 Linear Foot

3M™ Electronic Marking System (EMS) Extended Range (XR) Ball Marker

Installation Instructions

1.0 Introduction

1.1 3M™ Extended Range (XR) Ball Markers provide an accurate, convenient, long lasting method of marking underground facilities during construction or maintenance. They also make the job of precisely locating underground facilities easier. Other buried markers can be disturbed by backfill dirt or installed improperly so they don't stay positioned correctly. The 3M XR Ball Markers unique self-leveling design ensures the marker is in an accurate, horizontal position regardless of how it is placed into the ground. 3M markers enable you to return to the exact location of the marked underground feature. Unlike surface markers such as stakes, flags or paint, the XR Ball Marker cannot be inadvertently moved or worn away by weather.

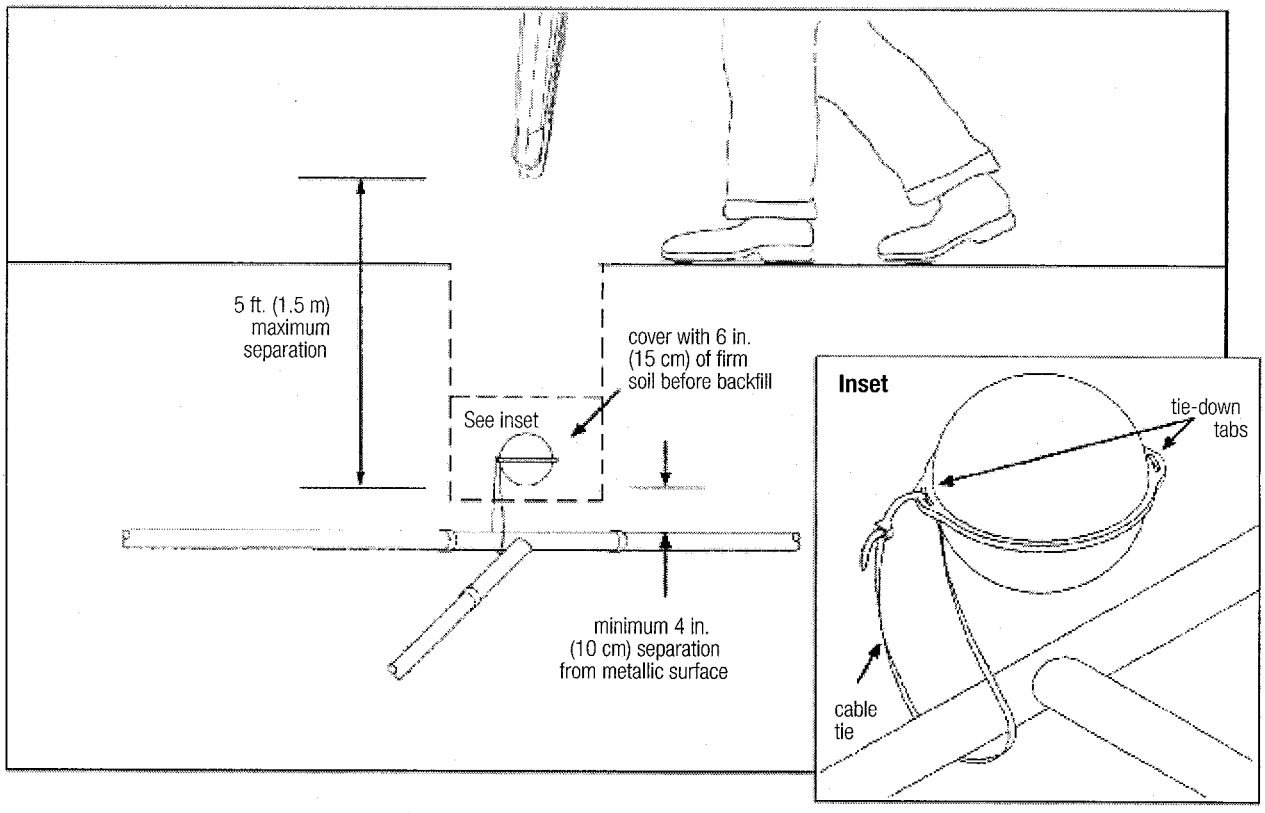
2.0 Installing the XR Ball Marker

2.1 Before placing the XR Ball Marker over the key point of the facility, decide if a tie down procedure is necessary to keep it in place. If so, secure the marker by inserting a cable tie through one, or both, tie down tabs on the Marker and the key point (for example, pipe, cable or splice).

2.2 If the key point is metallic, it is recommended that the marker be separated from it by a minimum distance of 4 inches (10 cm) of clean fill dirt.

2.3 If the key point in non-metallic, place the marker over the desired location.

IMPORTANT: The XR Ball Marker cannot reliably re-radiate the locator's signal at a depth greater than 5 feet (1.5 m). This is the maximum allowable distance between Ball Marker and the locator tip.



March 2010
78-8128-0476-9-A

2.4 Hand fill at least 6 inches (15 cm) of soil over the marker to prevent movement, or damage, during backfill.

2.5 Backfill the hole.

3.0 Specifications

Specifications	
Read Depth (max)	
Locator, US-Version	5 ft (1.5 m)
Locator, E-Version	5 ft (1.5 m)
Vertical Separation from Facility (min)	4 in* (10.4 cm)
Horizontal Separation from Facilty (min)	4 in* (10.4 cm)
Distance Between iD Markers (min)	3.5 ft (1.06 m)
Marker Diameter, Sphere	4 in (10.4 cm)

* Target size and material dependent. Depth estimation may be adversely affected when placing the marker above a large metallic object, such as a manhole cover. To improve depth estimation accuracy, increase the vertical separation from the metal object or perform a field test for depth accuracy.

3M

Track and Trace Solutions
6801 River Place Blvd.
Austin, TX 78726-9000
1-800-426-8688
www.3M.com/dynatel

78-8128-0476-9-A

3M

Material Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 3M 1400 Series EMS Ball Markers
MANUFACTURER: 3M
DIVISION: Track & Trace EBO

ADDRESS: 3M Center
St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

Issue Date: 10/18/10
Supercedes Date: 05/20/04

Document Group: 09-2904-2

Product Use:
Intended Use: Ball Markers are used to indicate location of buried cables, pipes and equipment.
Specific Use: Flotation solution allows antenna to keep correct orientation in ball. Propylene glycol lowers freezing point.

SECTION 2: INGREDIENTS

Ingredient	C.A.S. No.	% by Wt
WATER	7732-18-5	70 - 80
PROPYLENE GLYCOL	57-55-6	20 - 30

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Liquid
Odor, Color, Grade: Clear, slightly sweet liquid; no odor.
General Physical Form: Liquid flotation solution
Immediate health, physical, and environmental hazards: May cause target organ effects.

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact:
Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

Skin Contact:

Dermal Effects: Signs/symptoms may include localized redness, itching, drying and cracking of skin.

Inhalation:
No health effects are expected.

Ingestion:
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhea and vomiting.

May be absorbed following ingestion and cause target organ effects.

Target Organ Effects:
Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

SECTION 4: FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Skin Contact: Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Inhalation: No need for first aid is anticipated.

If Swallowed: Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Autoignition temperature	*Not Applicable*
Flash Point	*Not Applicable*
Flammable Limits - LEL	*Not Applicable*
Flammable Limits - UEL	*Not Applicable*
OSHA Flammability Classification:	Not Applicable

5.2 EXTINGUISHING MEDIA
Water or water spray.

5.3 PROTECTION OF FIRE FIGHTERS
Special Fire Fighting Procedures: Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: Not applicable. Non-flammable: ordinary combustible material.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions
Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS.

Environmental procedures
For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Discharge the resulting residue containing solution to a municipal or industrial wastewater treatment facility.

Clean-up methods
Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill. Contain spill. Cover or dilute with water. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with detergent and water. Clean up residue with an appropriate organic solvent.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. For industrial or professional use only.

7.2 STORAGE
Normal warehouse conditions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS
Not applicable. Ventilation not required under normal conditions of use.
See other precautionary information below.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection
Avoid eye contact.

8.2.2 Skin Protection
Avoid skin contact with liquid should marker ball break. Natural rubber gloves would provide adequate skin protection against propylene glycol during a spill and clean-up of a broken marker ball.

8.2.3 Respiratory Protection
Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

8.2.4 Prevention of Swallowing
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Not applicable. Swallowing not likely under normal conditions of use.

8.3 EXPOSURE GUIDELINES

Ingredient	Authority	Type	Limit	Additional Information
PROPYLENE GLYCOL	AIHA	TWA, as aerosol	10 mg/m3	

SOURCE OF EXPOSURE LIMIT DATA:
ACGIH: American Conference of Governmental Industrial Hygienists
CMRG: Chemical Manufacturer Recommended Guideline
OSHA: Occupational Safety and Health Administration
AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specific Physical Form:	Liquid
Odor, Color, Grade:	Clear, slightly sweet liquid; no odor.
General Physical Form:	Liquid flotation solution
Autoignition temperature	*Not Applicable*
Flash Point	*Not Applicable*
Flammable Limits - LEL	*Not Applicable*
Flammable Limits - UEL	*Not Applicable*
Boiling point	>=100 °C
Density	*No Data Available*
Vapor Density	*No Data Available*
Vapor Density	*No Data Available*
Vapor Pressure	*No Data Available*
Vapor Pressure	*No Data Available*
Specific Gravity	Approximately 1 g/ml [*Ref Std:* WATER=1]
pH	*Not Applicable*
Melting point	*No Data Available*
Solubility In Water	*No Data Available*
Solubility in Water	Complete
Average particle size	*Not Applicable*
Bulk density	*Not Applicable*
Evaporation rate	*No Data Available*
Volatile Organic Compounds	*Not Applicable*
Kow - Oct/Water partition coef	*No Data Available*
Percent volatile	*Not Applicable*
VOC Less H2O & Exempt Solvents	*No Data Available*
Viscosity	<=46 centipoise
Ash	*Not Applicable*
Conditions to avoid	None known
Materials to avoid	None known

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid:

10.1 Conditions to avoid
None known

10.2 Materials to avoid
None known

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

Substance	Condition
Aldehydes	During Combustion
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion

SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Test Organism	Test Type	Result
Green algae, Selenastrum capricornutum	48 hours Effect Concentration 50%	19000 mg/l
Fathead Minnow, Pimephales promelas	48 hours Lethal Concentration 50%	51400 mg/l
Rainbow Trout, Oncorhynchus mykiss	48 hours Lethal Concentration 50%	51600 mg/l
Water flea, Daphnia magna	48 hours Lethal Concentration 50%	43000 mg/l
Fathead Minnow, Pimephales promelas	96 hours Lethal Concentration 50%	7100 mg/l

This data is for 100% Propylene Glycol and is not adjusted for any dilution.

CHEMICAL FATE INFORMATION

Test Type	Result	Protocol
Theoretical Oxygen Demand	1.685	
20 days Percent degraded	72.7 % weight	

This data is for 100% Propylene Glycol and is not adjusted for any dilution.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Incinerate in an industrial or commercial facility in the presence of a combustible material. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste. Dispose of completely absorbed waste product in a sanitary landfill. Incinerate in an industrial or commercial facility.

EPA Hazardous Waste Number (RCRA): Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

SECTION 14:TRANSPORT INFORMATION

ID Number(s):
80-6111-4219-3, 80-6111-4220-1, 80-6111-4221-9, 80-6111-4222-7, 80-6111-4322-5, 80-6111-4323-3, 80-6111-4324-1, 80-6111-6113-6, 80-6111-6114-4, 80-6111-6115-1, 80-6111-6116-9, 80-6111-6117-7, 80-6111-6835-4, 80-6113-8267-4, 80-6113-8268-2, 80-6300-0025-7, 80-6300-0032-3, 80-6300-0033-1

For Transport Information, please visit http://3M.com/Transportinfo or call 1-800-364-3577 or 651-737-6501.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS
Contact 3M for more information.

311/312 Hazard Categories:
Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No

STATE REGULATIONS
Contact 3M for more information.

CHEMICAL INVENTORIES
Contact 3M for more information.

INTERNATIONAL REGULATIONS
Contact 3M for more information.

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification
Health: 1 **Flammability:** 1 **Reactivity:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Reason for Reissue: Update Section 3, Skin Contact information.

Revision Changes:
Section 1: Division name was modified.
Copyright was modified.
Section 3: Potential effects from skin contact information was modified.
Section 3: Potential effects from ingestion information was modified.
Section 5: Unusual fire and explosion hazard information was modified.
Section 7: Handling information was modified.
Section 8: Prevention of swallowing information was modified.
Section 4: First aid for ingestion (swallowing) - decontamination - was modified.
Section 4: First aid for ingestion (swallowing) - medical assistance - was modified.
Section 14: Transportation legal text was modified.
Section 9: Property description for required properties was modified.
Section 3: Other potential health effects heading was added.
Section 3: Immediate other hazard(s) was added.
Section 3: Other health effects information was added.

Section 14: ID Number Heading Template 1 was added.
Section 14: ID Number(s) Template 1 was added.
Section 2: Ingredient table was added.
Section 8: Exposure guidelines ingredient information was added.
Section 8: Exposure guidelines data source legend was added.
Section 6: Environmental procedures heading was added.
Section 6: Personal precautions heading was added.
Section 10.1 Conditions to avoid heading was added.
Section 10.2 Materials to avoid heading was added.
Section 6: Personal precautions information was added.
Section 6: Environmental procedures information was added.
Section 6: Methods for cleaning up information was added.
Section 10: Materials to avoid physical property was added.
Section 10: Conditions to avoid physical property was added.
Section 6: Clean-up methods heading was added.
Section 6: Release measures information was deleted.
Section 6: Release measures heading was deleted.
Section 8: Skin protection phrase was deleted.
Section 10: Materials and conditions to avoid physical property was deleted.

URS

Memorandum

Date: December 8, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Construction Change Directive No. 7**
Hempstead MGP Site- Groundwater Treatment System #1

This Construction Change Directive refers to placement of sleeves for oxygen lines in the trenches of System #1 in the vicinity of the discovered underground storage tank on Smith St.

Between the existing underground storage tank and the adjacent existing building on Smith Street, F&N shall install the oxygen lines within 6" sleeves to be supplied at no cost to F&N by National Grid. The sleeves shall extend a minimum of 2' beyond the existing oil tank in both the east and west directions. F&N shall install the sleeves at a depth determined in the field in consultation with the Engineer. Regardless, the oxygen injection lines shall be buried a minimum of 2'.

The sleeves shall be marked "oxygen" on the outside of the supplied pipe. Due to the uncertainty of the final disposition of the oil tank by others, the oxygen injection lines shall have an extra five feet of tubing beyond what is needed to get to the proposed oxygen well locations in case the final locations of the wells changes. The oxygen injection lines shall be plugged in such a manner where no dirt or debris may enter the lines. The oxygen injection lines shall be marked at the end locations for future discovery.

cc: Patrick Van Rossem
Kirk White
File 11175065 C-1

URS

Memorandum

Date: December 8, 2010

To: Matthew Schieferstein

From: Jon Sundquist

Subject: **Construction Change Directive No. 8**
Hempstead MGP Site- Groundwater Treatment System #2

This Construction Change Directive refers to changes to made to the operation of System #2.

F&N shall increase the per point flow rate to 50 SCFH for banks A and C. These points are deeper in the water table and therefore higher oxygen flow may be needed.

This mode of operation shall continue for four weeks (encompassing two measurement cycles).

If, in the opinion of the engineer, oxygen levels are still too low at the western end of System #2, F&N shall increase the duration to 15 minutes on one of the banks and leaving the other at 10 minutes to observe any difference.

None of these changes in operations shall affect the operation of the remaining banks. Their operation frequency, duration, and rate shall remain the same during these operation revisions.

cc: Patrick Van Rossem
Kirk White
File 11175065 C-1

APPENDIX B

DAILY AND WEEKLY REPORTS
and
OXYGEN DELIVERY WELL CONSTRUCTION DETAILS

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	November 1, 2010
Weather Conditions:	Cloudy, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Support Truck & Walk Behind Concrete Saw
John Marchetti	F&N	Dump Truck & Bobcat

Detailed Summary of Work Performed

Mobilized equipment to site. Conducted walkthrough of work areas and pre-fabricated fence posts for safety fencing to be installed along Telefyan Carpet building garage. Assembled work area signs for job site.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed heavy equipment JSA and proper PPE.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	November 2, 2010
Weather Conditions:	Cloudy, ~45° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Dump Truck & Backhoe
John Marchetti	F&N	Support Truck & Walk Behind Concrete Saw
Charlie Guzzardo	F&N	Bobcat

Detailed Summary of Work Performed

Utilized the jack hammer to break up portion of concrete sidewalk on Smith Street along the Telefyan Carpet building garage and set three fence posts for chain link fencing to be installed. Started to saw cut sidewalk along Smith Street.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, saw cutting safety and proper PPE.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	November 3, 2010
Weather Conditions:	Clear, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Dump Truck
Charlie Guzzardo	F&N	Support Truck
John Marchetti	F&N	Walk Behind Concrete Saw
Ed Knox	F&N (Local 138)	Backhoe & Bobcat

Detailed Summary of Work Performed

Installed 25'L x 18'H chain link fence along building for support and safety. Continued to saw cut along sidewalk of Smith Street. Started to remove concrete sidewalk along Smith Street and transported to the Intersection Street staging yard for stockpiling.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed concrete demolition JSA and Slip Trip & Falls JSA. Discussed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	November 4, 2010
Weather Conditions:	Cloudy, Rain ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Dump Truck
Ed Knox	F&N (Local 138)	Backhoe & Bobcat

Detailed Summary of Work Performed

Continued removing concrete sidewalk along Smith Street and transported to the Intersection Street staging yard for stockpiling. Secured site with snow fence at end of day. Received delivery of portland cement for deliverying.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed concrete demolition JSA and Slip Trip & Falls JSA.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	November 5, 2010
Weather Conditions:	Cloudy, Light Rain in AM ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Dump Truck & Walk Behind Concrete Saw
Ed Knox	F&N (Local 138)	Backhoe & Bobcat

Detailed Summary of Work Performed

Continued to saw cut concrete sidewalk along Smith Street. Continued removing concrete sidewalk along Smith Street and transported to the Intersection Street staging yard for stockpiling. Received delivery of well sand, volclay grout and bentonite.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed concrete demolition JSA and Slip Trip & Falls JSA.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	November 8, 2010
Weather Conditions:	Sunny, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Dump Truck
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Mike Ryan Jr.	F&N	
Megan Dascoli	URS	
Ed Knox	F&N (Local 138)	Backhoe & Bobcat

Detailed Summary of Work Performed

Mobilized Geoprobe 7720 and support equiment to site. Precleared seven (7) injection well locations (OW-1-54, OW-1-53, OW-1-52, OW-1-51, OW-1-50, OW-1-49, OW-1-48). Attempted to pre-clear 11th injection point location and encountered a 4,000-gallon underground storage tank (UST) in the right-of-way. Continued removing concrete sidewalk along Smith Street and transported to the Intersection Street staging yard for stockpiling. Backfilled driveway apron with RCA and tamped for access. Loaded one Broman truck with broken concrete for off-site disposal.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, awareness of pubilc in work areas and proper PPE.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	November 9, 2010
Weather Conditions:	Clear, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Support Truck
Mike Mede	F&N	Drill Support Truck
Charlie Guzzardo	F&N	Dump Truck
Mike Ryan Jr.	F&N	
Megan Dascoli	URS	
Ed Knox	F&N (Local 138)	Backhoe & Bobcat
John Marchetti	F&N	

Detailed Summary of Work Performed

Continued removing concrete sidewalk along Smith Street and transported broken concrete to the Intersection Street staging yard for stockpiling. Precleared two (2) injection points to 5 feet bgs along Smith Street.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed heavy equipment JSA and proper PPE.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	November 10, 2010
Weather Conditions:	Clear, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Support Truck
John Marchetti	F&N	Walk Behind Concrete Saw
Charlie Guzzardo	F&N	Dump Truck
Ed Knox	F&N (Local 138)	Backhoe & Bobcat

Detailed Summary of Work Performed

Continued saw cutting concrete along Smith Street. Continued removing concrete sidewalk along Smith Street and transported broken concrete to the Intersection Street staging yard for stockpiling. Backfilled driveway apron along Smith Street with RCA and tamped to provide access.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and reviewed concrete demolition JSA.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	November 11, 2010
Weather Conditions:	Clear, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Support Truck
John Marchetti	F&N	
Charlie Guzzardo	F&N	

Detailed Summary of Work Performed

Started to clear debris and overgrowth from LIRR right-of-way in the vicinity of the proposed remedial system enclosure. Received materials, stockpiled in the Intersection Street staging yard.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and Slip, Trip & Falls JSA.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	November 12, 2010
Weather Conditions:	Clear, ~60° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Support Truck
Charlie Guzzardo	F&N	Dump Truck
Ed Knox	F&N (Local 138)	Backhoe & Bobcat

Detailed Summary of Work Performed

Loaded one Broman truck with broken concrete for off-site disposal. Installed temporary chain link fence at remedial system enclosure located at 158 Hilton Avenue. Loaded all injection well materials into storage trailer.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and reviewed proper PPE.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	November 15, 2010
Weather Conditions:	Clear, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Support Truck
John Marchetti	F&N	Dump Truck
Ed Knox	F&N (Loc 138)	Backhoe & Bobcat
Charlie Guzzardo	F&N	Drill Support Truck
Barry Rummel	Glacier	Geoprobe 8040
Marvin Bell	Glacier	

Detailed Summary of Work Performed

Continued saw cutting concrete along Smith Street. Continued removing concrete sidewalk along Smith Street and transported broken concrete to the Intersection Street staging yard for stockpiling. Backfilled driveway apron along Smith Street with RCA and tamped to provide access. Installed two (2) injection points (OW-1-40D and OW-1-39D) to 76 feet below grade and 78 feet below grade respectively.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed concrete demolition JSA and drilling JSA.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

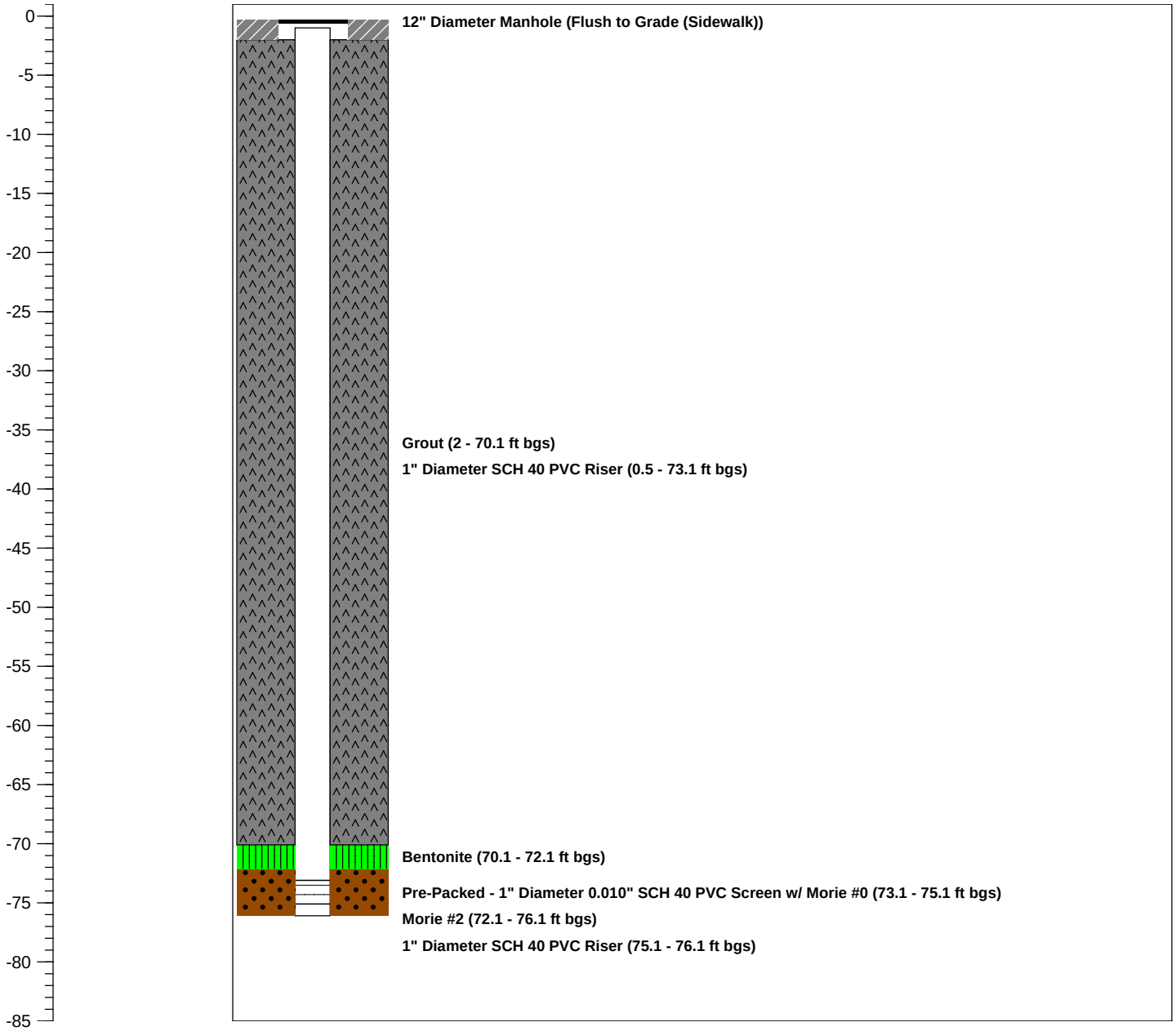
TOTAL DEPTH: **76.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-40D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/15/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

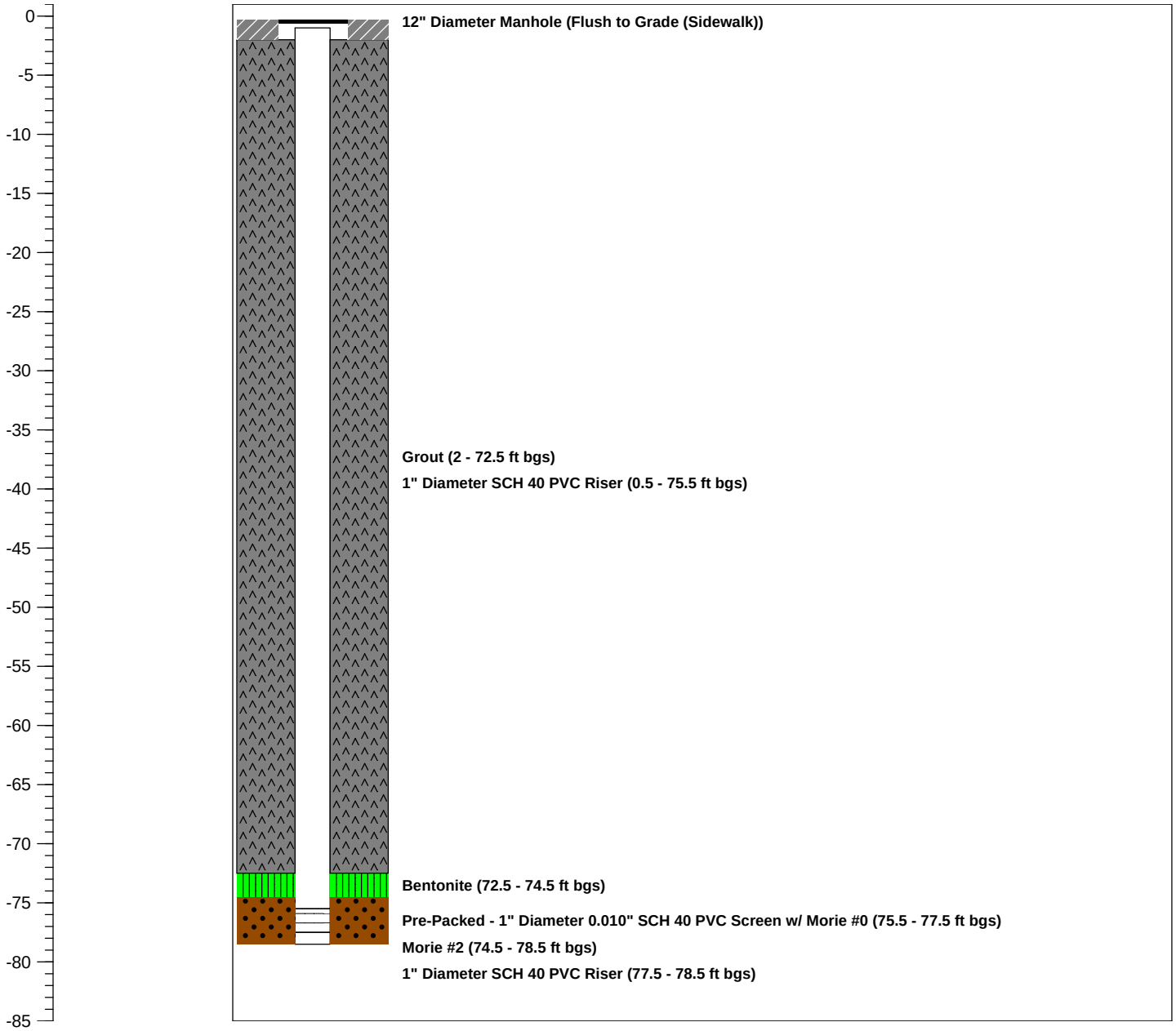
TOTAL DEPTH: **78.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-39D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/15/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	November 16, 2010
Weather Conditions:	Cloudy, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Support Truck
John Marchetti	F&N	Dump Truck
Ed Knox	F&N (Loc 138)	Backhoe & Bobcat
Charlie Guzzardo	F&N	Drill Support Truck
Barry Rummel	Glacier	Geoprobe 8040
Marvin Bell	Glacier	

Detailed Summary of Work Performed

Continued removing concrete sidewalk along Smith Street and transported broken concrete to the Intersection Street staging yard for stockpiling. Backfilled driveway apron along Smith Street with RCA and tamped to provide access. Pre-cleared seven (7) injection points. Installed two (2) injection points (OW-1-38D and OW-1-37D) to 82 feet below grade and 84 feet below grade, respectively.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed concrete demolition JSA and drilling JSA.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

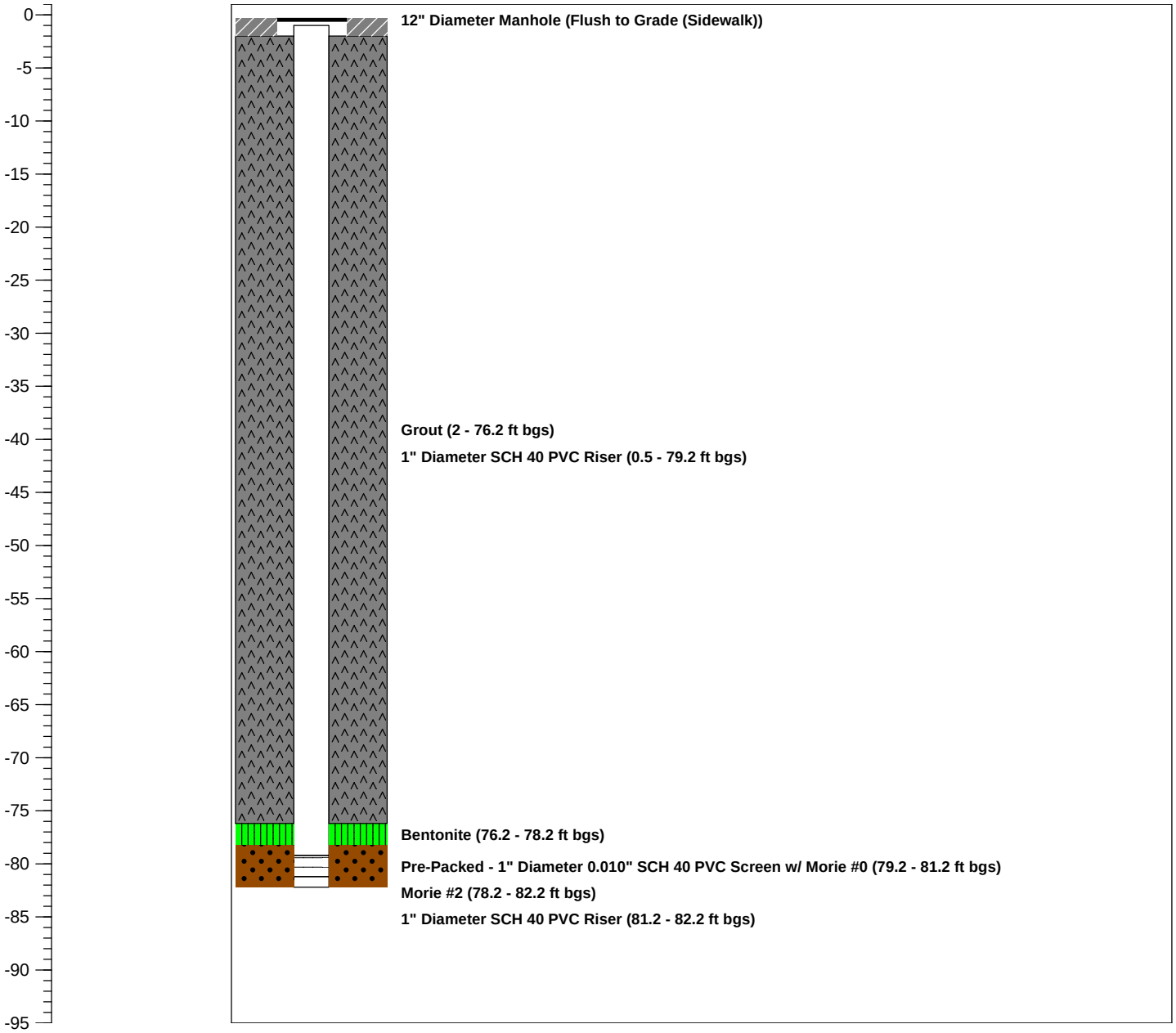
TOTAL DEPTH: **82.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-38D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/16/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

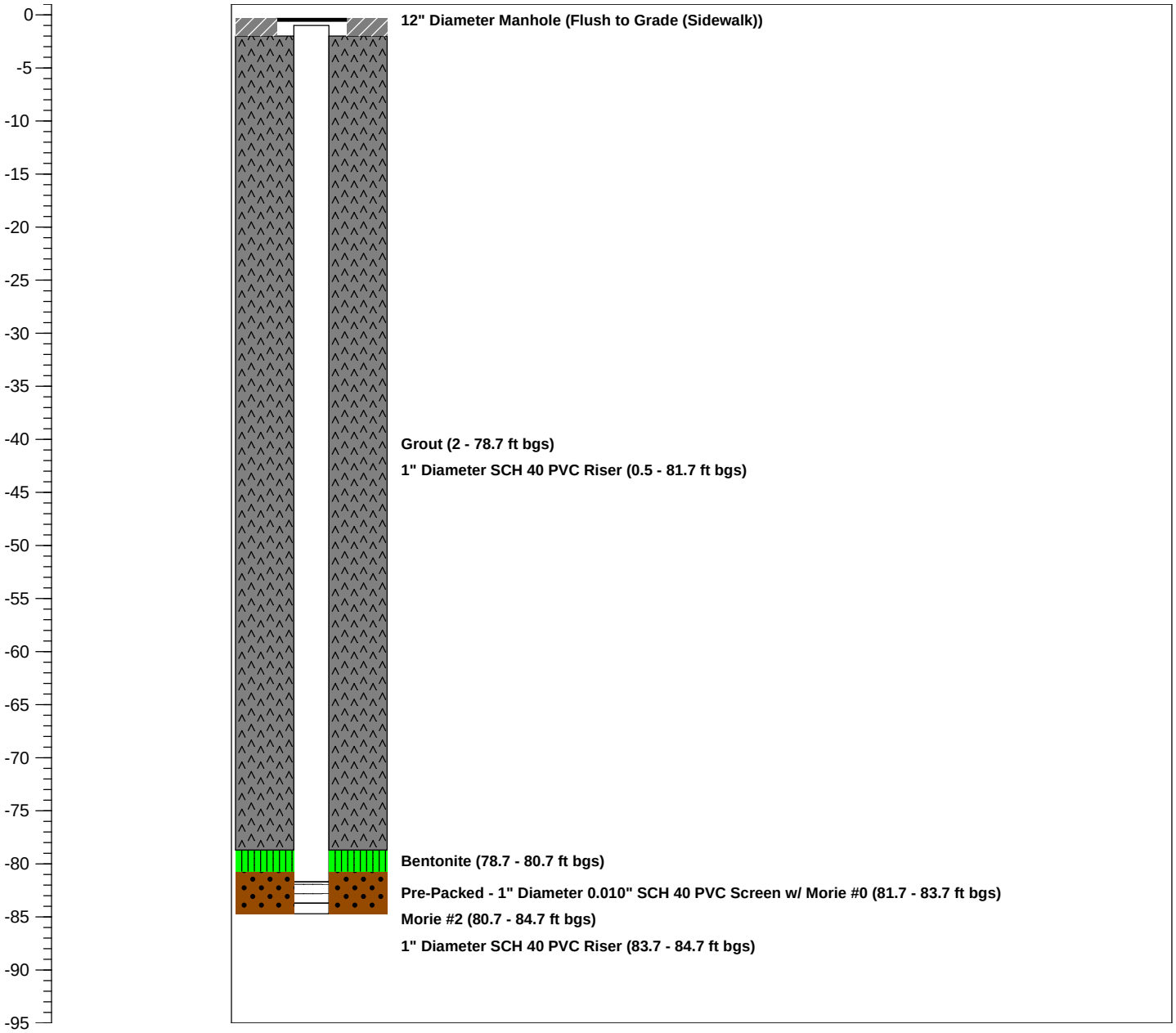
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**84.7'**	WELL NO.:	**OW-1-37D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/16/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	November 17, 2010
Weather Conditions:	Clear, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Megan Dascoli	URS	
Joe Palmeri	F&N	Support Truck
John Marchetti	F&N	Dump Truck
Ed Knox	F&N (Loc 138)	Backhoe & Bobcat
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Mike Ryan Jr.	F&N	
Charlie Guzzardo	F&N	Drill Support Truck
Barry Rummel	Glacier	Geoprobe 8040
Marvin Bell	Glacier	

Detailed Summary of Work Performed

Continued removing concrete sidewalk along Smith Street and transported broken concrete to the Intersection Street staging yard for stockpiling. Pre-cleared six (6) injection points. Installed four (4) injection points (OW-1-54, OW-1-53, OW-1-36D and OW-1-35D) to 60 feet below grade, 60 feet below grade, 85 feet below grade and 85 feet below grade, respectively.

Health & Safety

Tailgate Meeting	Observations
Reviewed concrete demolition JSA, proper use of PPE, discussed overhead and underground utility lines & safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

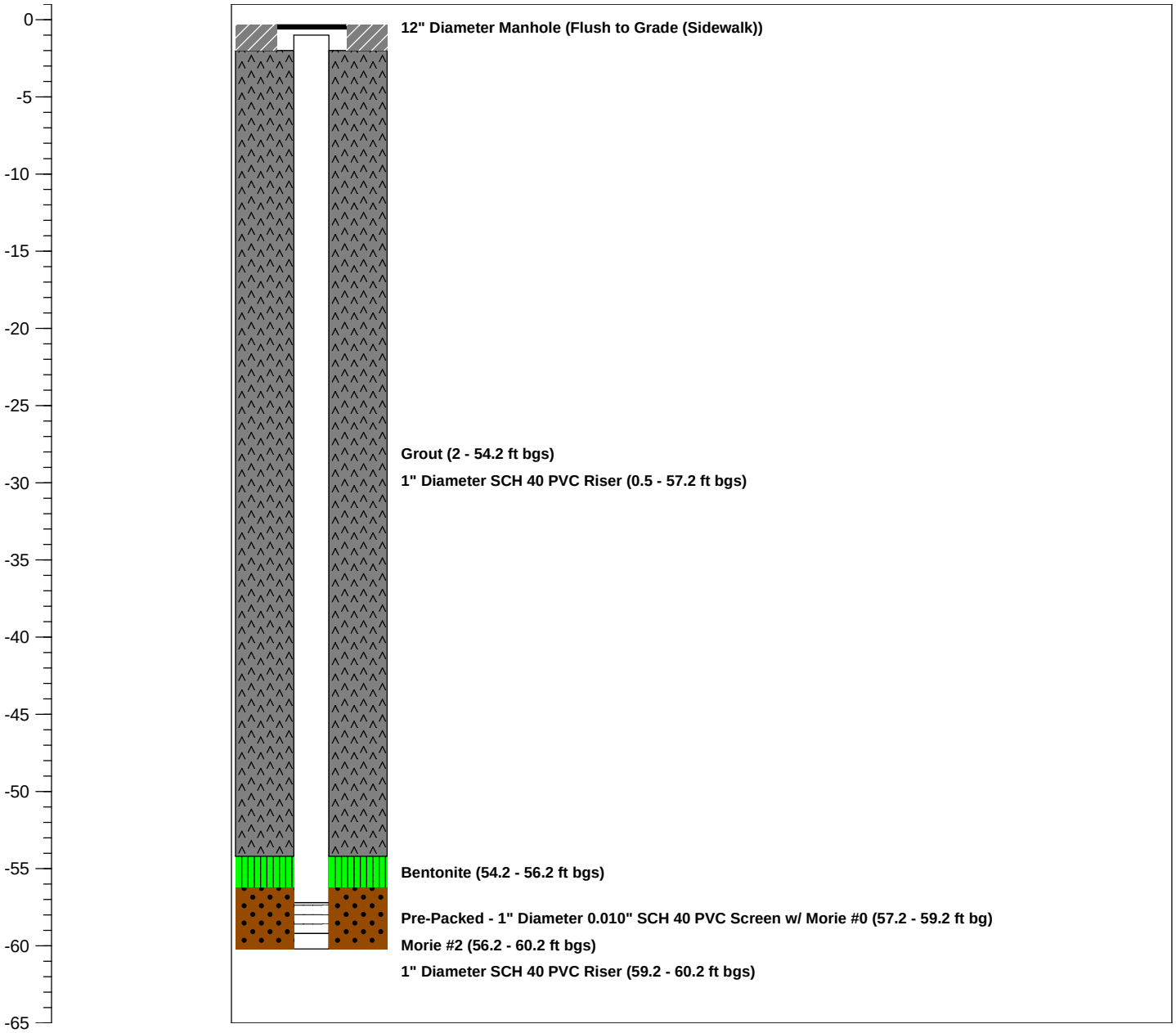
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**60.2'**	WELL NO.:	**OW-1-54**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

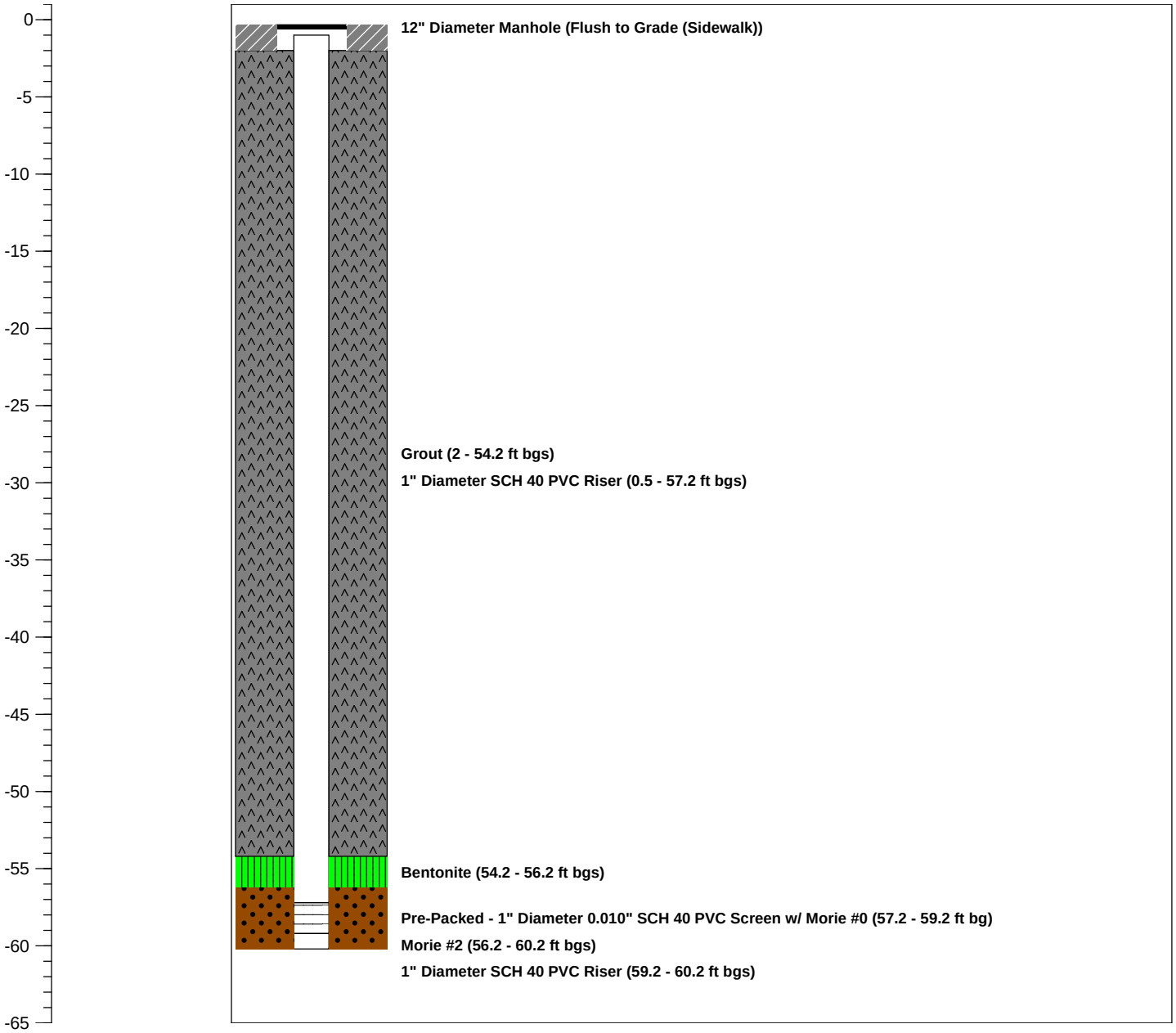
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**60.2'**	WELL NO.:	**OW-1-53**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

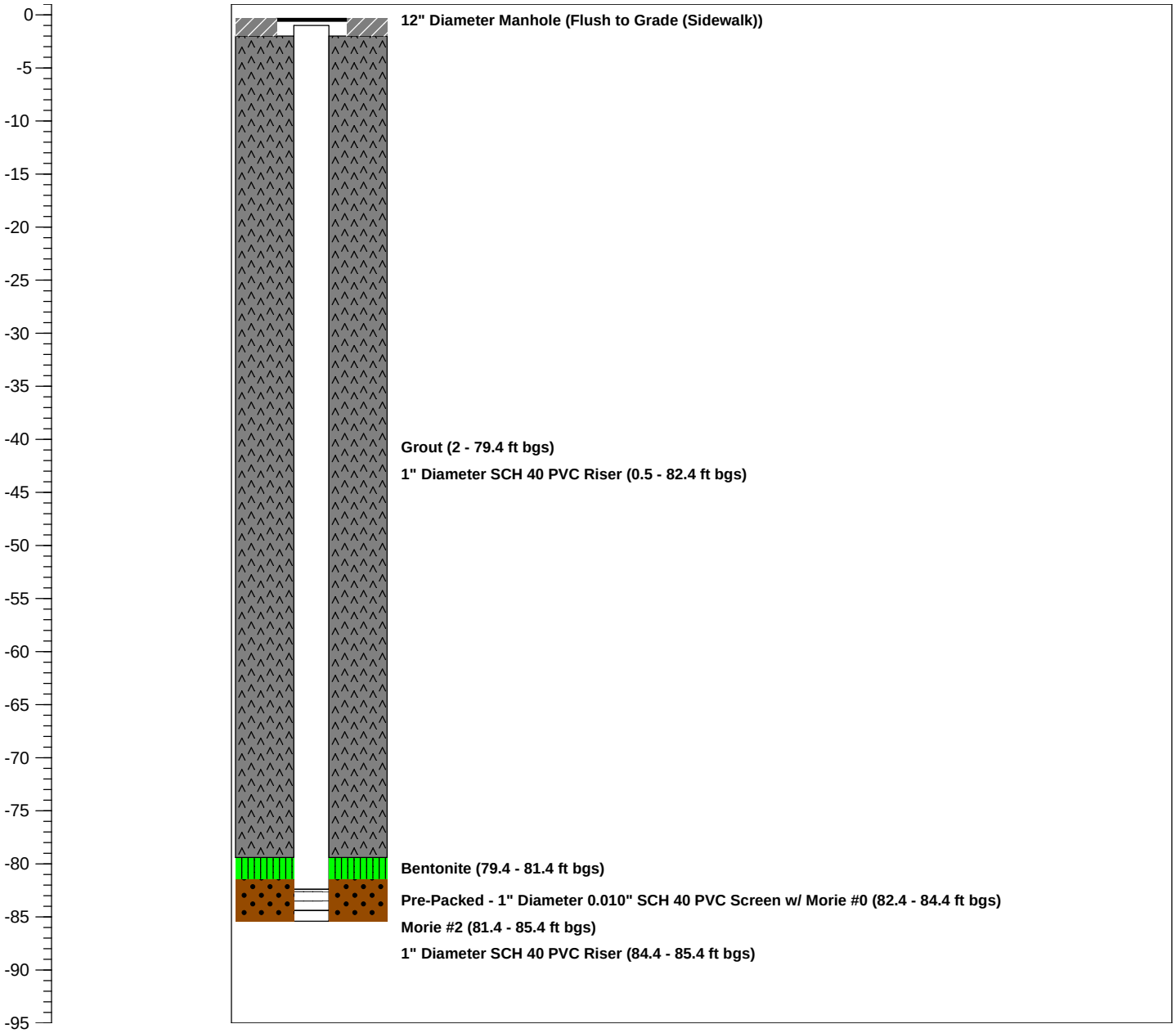
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**85.4'**	WELL NO.:	**OW-1-36D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

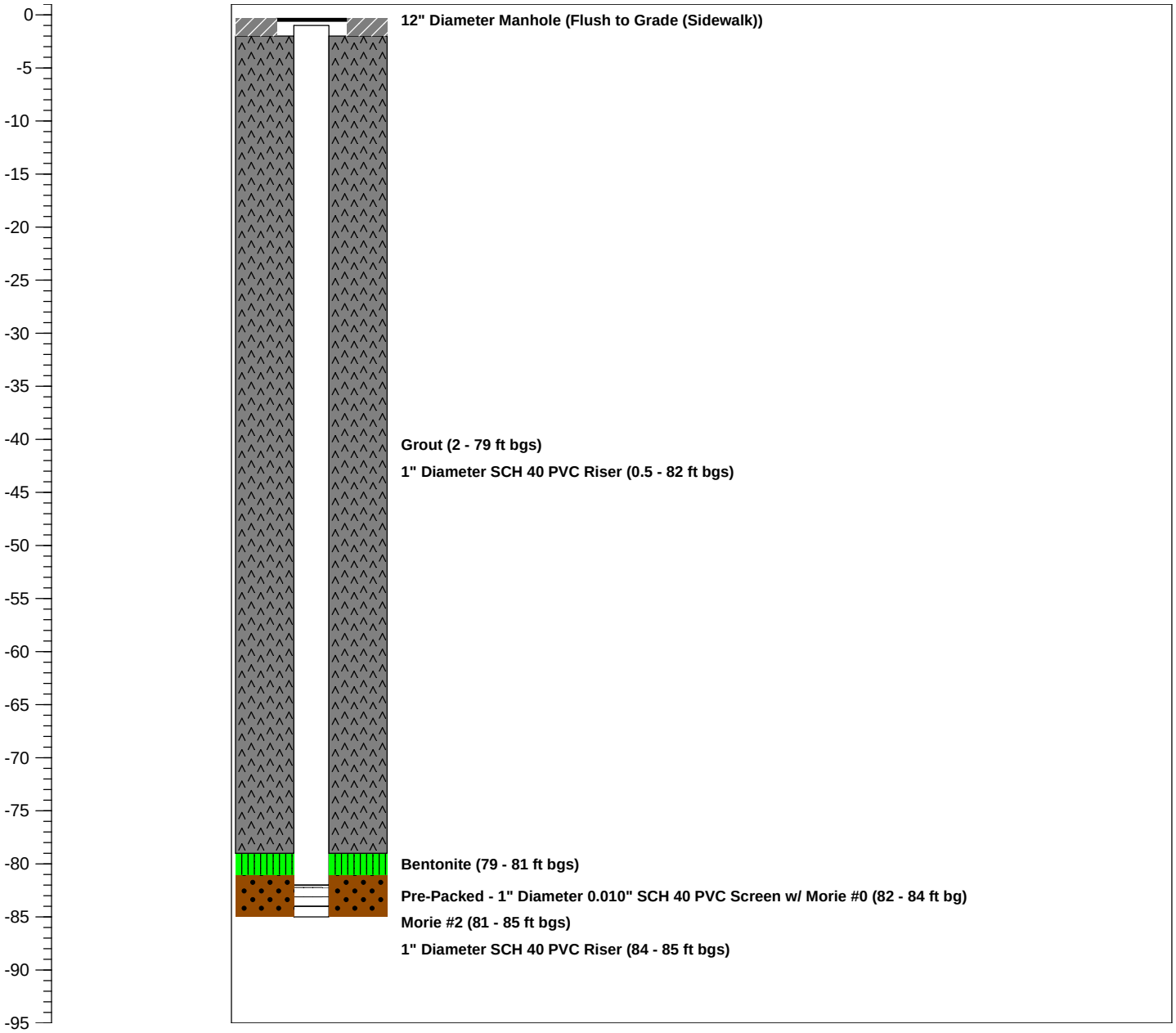
TOTAL DEPTH: **85.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-35D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/17/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date: November 18, 2010	
Weather Conditions:	Clear, ~50° F
Hours of Operation:	7:00 AM to 4:45 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Support Truck
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Charlie Guzzardo	F&N	Dump Truck
Mike Ryan Jr.	F&N	
John Marchetti	F&N	
Ed Knox	F&N (Local 138)	Backhoe & Bobcat
Megan Dascoli	URS	
Barry Rummel	Glacier	
Marvin Bell	Glacier	
Steven Silvestri	Silvestri Landscaping	
Hugo Hercules	Silvestri Landscaping	
Mario Hercules	Silvestri Landscaping	
Armondo Lemus	Silvestri Landscaping	

Detailed Summary of Work Performed

Utilized backhoe for demolition and removal of sidewalk along Smith Street. Transported broken concrete back to the Intersection Street staging yard for stockpiling. Removed two (2) trees from the trench path of Oxygen Injection line located at the LIRR~~apartments~~. Transported shrubs and small trees back to the Intersection Street staging yard to be temporarily preserved. Pre-Cleared eight (8) injection well locations (OW-1-32S, OW-1-32D, OW-1-31S, OW-1-31D, OW-1-30S, OW-1-30D, OW-1-29S, OW-1-29D). Installed five (5) injection points (OW-1-52, OW-1-51, OW-1-34D, OW-1-33D OW-1-32D) to depths of 59.3 feet below grade, 60.6 feet below grade, 84.5 feet below grade, 83.2 feet below grade and 81.6 feet below grade respectively.

Health & Safety

Tailgate Meeting	Observations
Reviewed concrete demolition JSA, proper use of PPE, discussed overhead and underground utility lines & safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

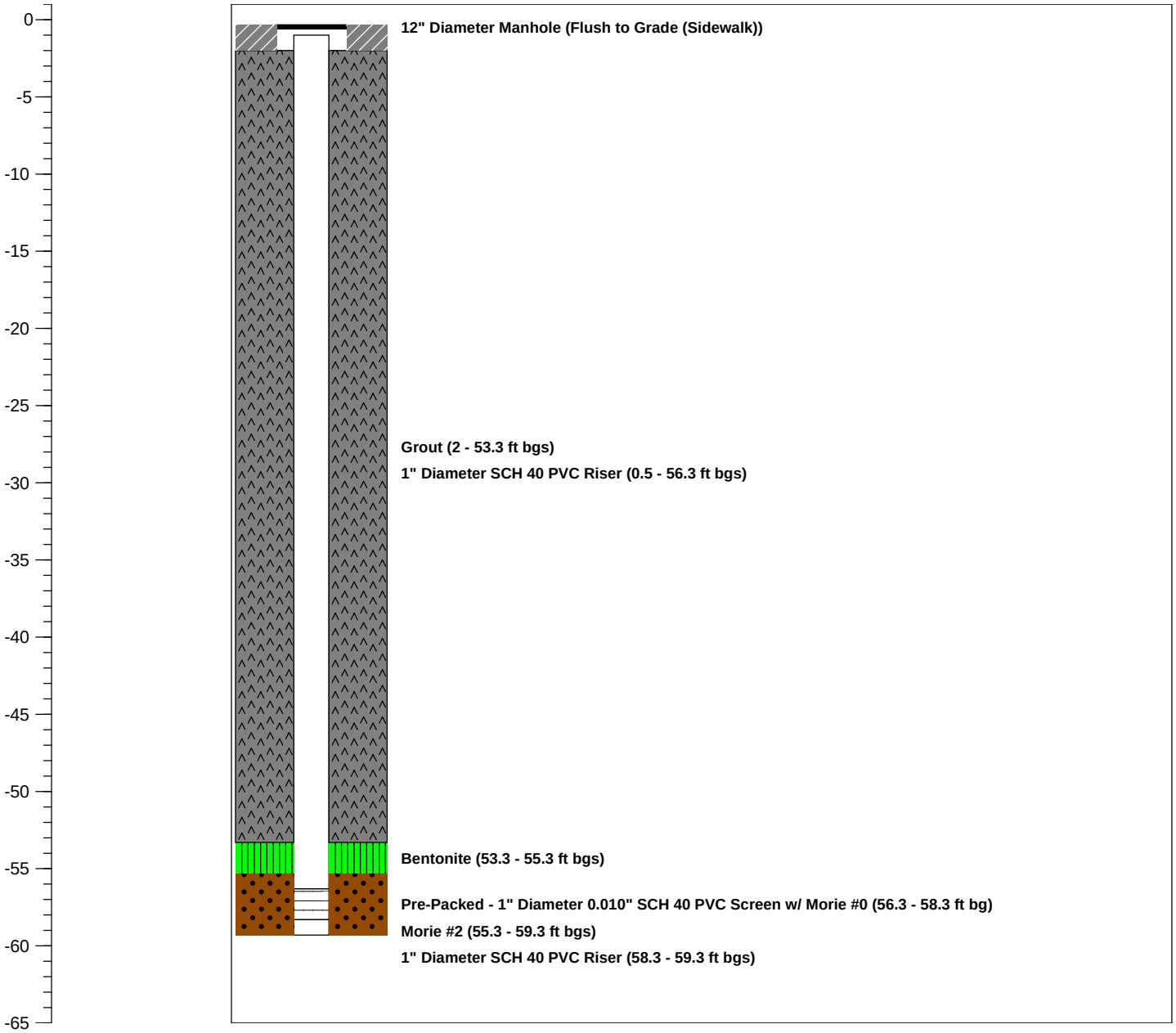
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**59.3'**	WELL NO.:	**OW-1-52**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/18/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

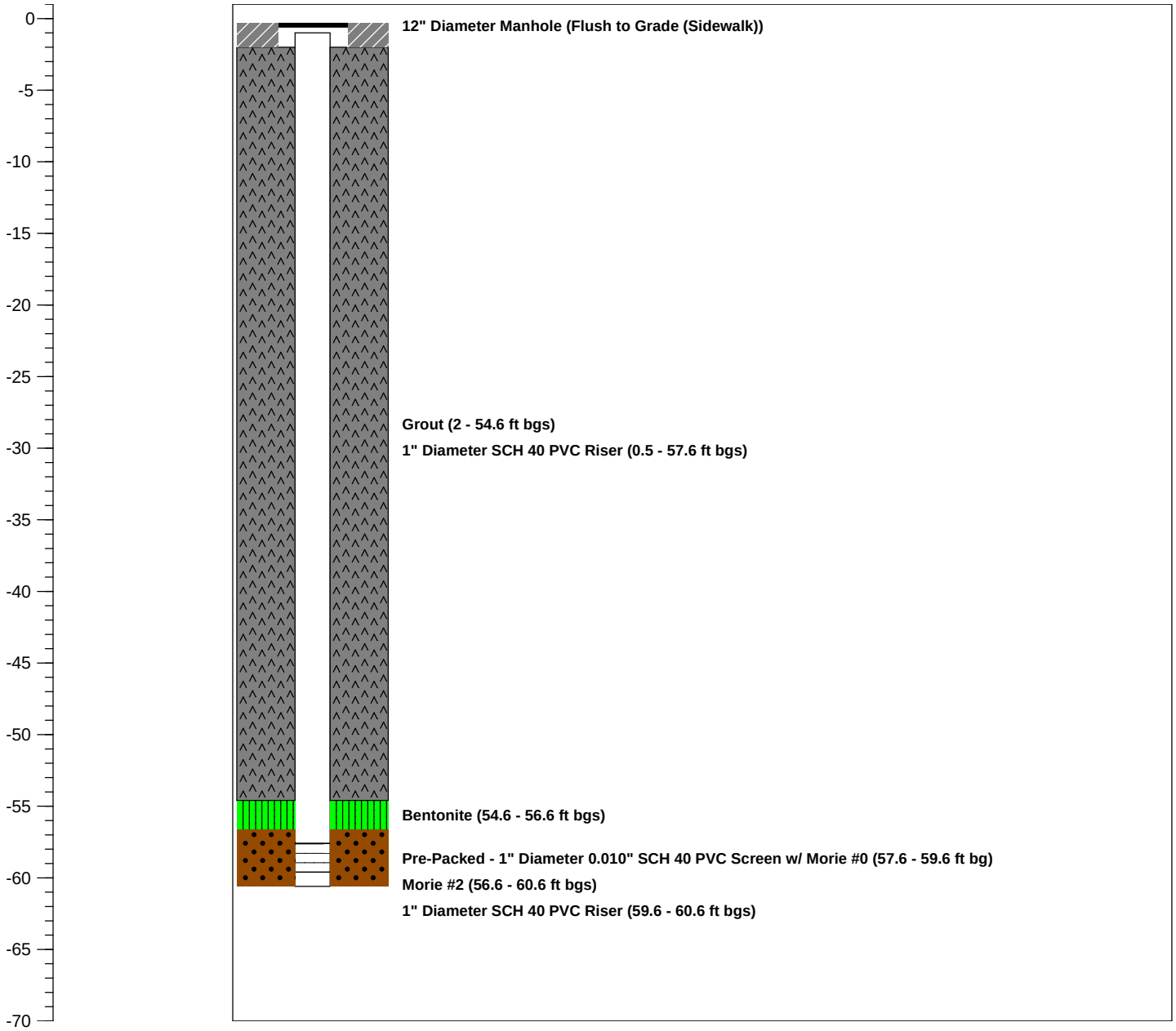
TOTAL DEPTH: **60.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-51**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/18/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

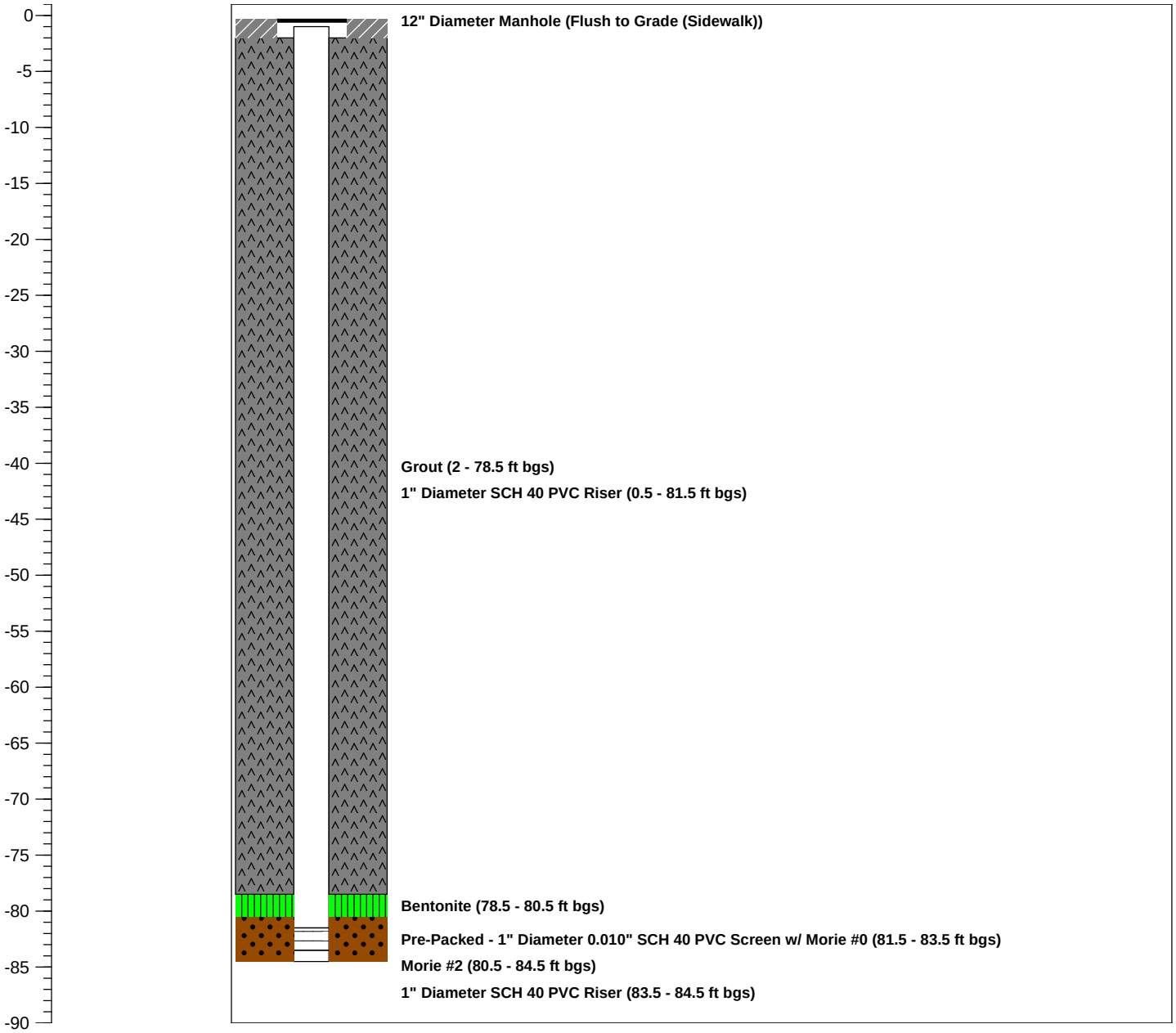
TOTAL DEPTH: **84.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-34D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/18/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

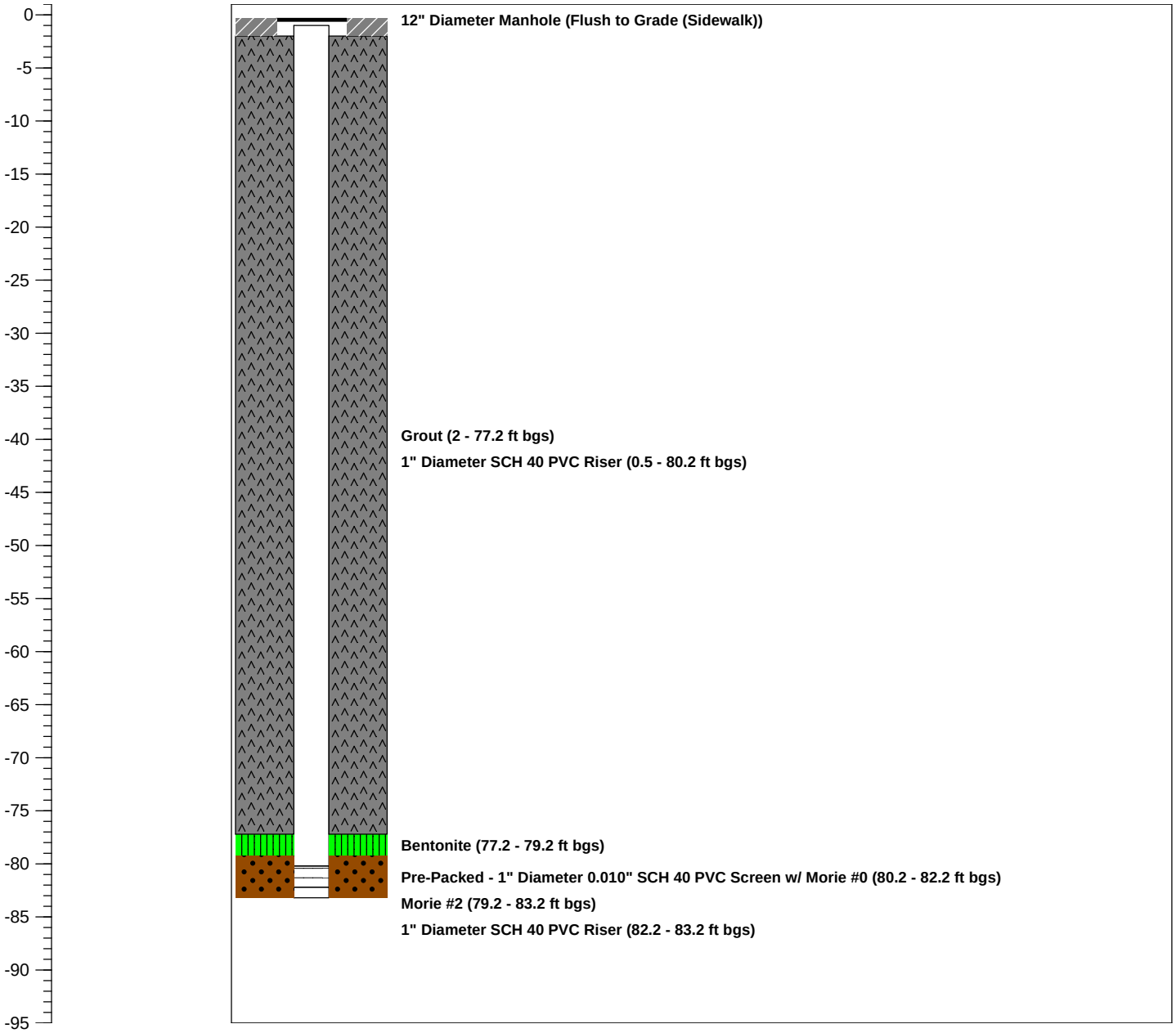
TOTAL DEPTH: **83.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-33D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/18/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

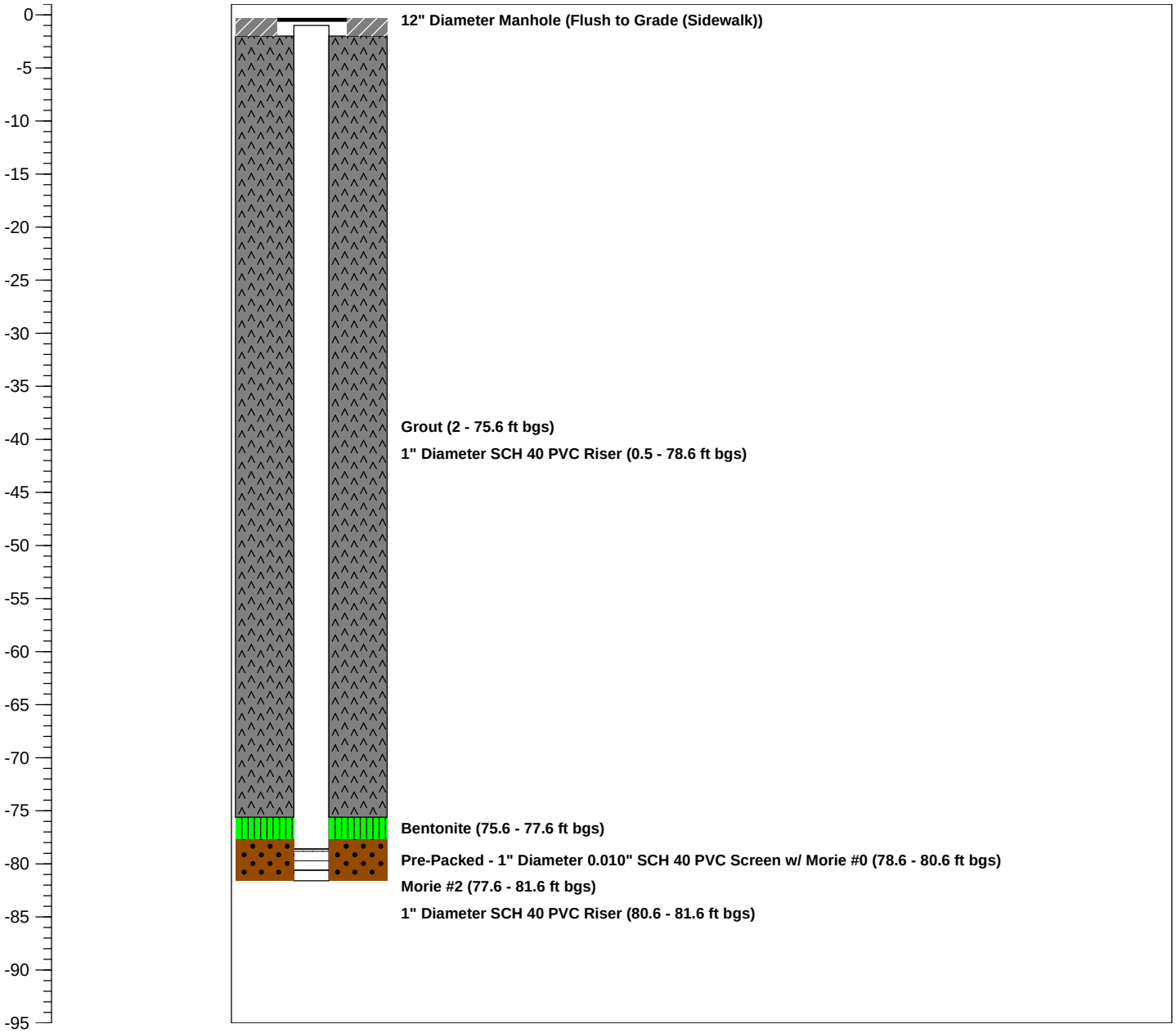
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**81.6'**	WELL NO.:	**OW-1-32D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/18/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date: November 19, 2010	
Weather Conditions:	Clear, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Support Truck
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Charlie Guzzardo	F&N	Dump Truck
Mike Ryan Jr.	F&N	
John Marchetti	F&N	
Ed Knox	F&N (Local 138)	Backhoe & Bobcat
Megan Dascoli	URS	
Barry Rummel	Glacier	
Marvin Bell	Glacier	
Steven Silvestri	Silvestri Landscaping	
Hugo Hercules	Silvestri Landscaping	
Mario Hercules	Silvestri Landscaping	
Armondo Lemus	Silvestri Landscaping	

Detailed Summary of Work Performed

Started to clear brush, wood chips, old chain link fence and debris from the LIRR right of way hill. Transported materials to the Intersection Street staging yard for stockpiling. Secured the shrubs and small trees removed from the LIRR right of way at the Intersection Street staging yard with leaves and mulch to be temporarily preserved. Pre-Cleared eight (8) injection well locations (OW-1-28S, OW-1-28D, OW-1-27S. OW-1-27D, OW-1-26S, OW-1-26D, OW-1-25S, OW-1-25D). Mobilized GeoProbe 8040 & GeoProbe 7720 to site and installed five (5) injection points (OW-1-50, OW-1-49, OW-1-31D, OW-1-30D OW-1-29D) to depths of 61.0 feet bgs, 61.5 feet bgs, 80.5 feet bgs, 79.0 feet bgs and 78.4 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Reviewed concrete demolition JSA, proper use of PPE, discussed overhead and underground utility lines & safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

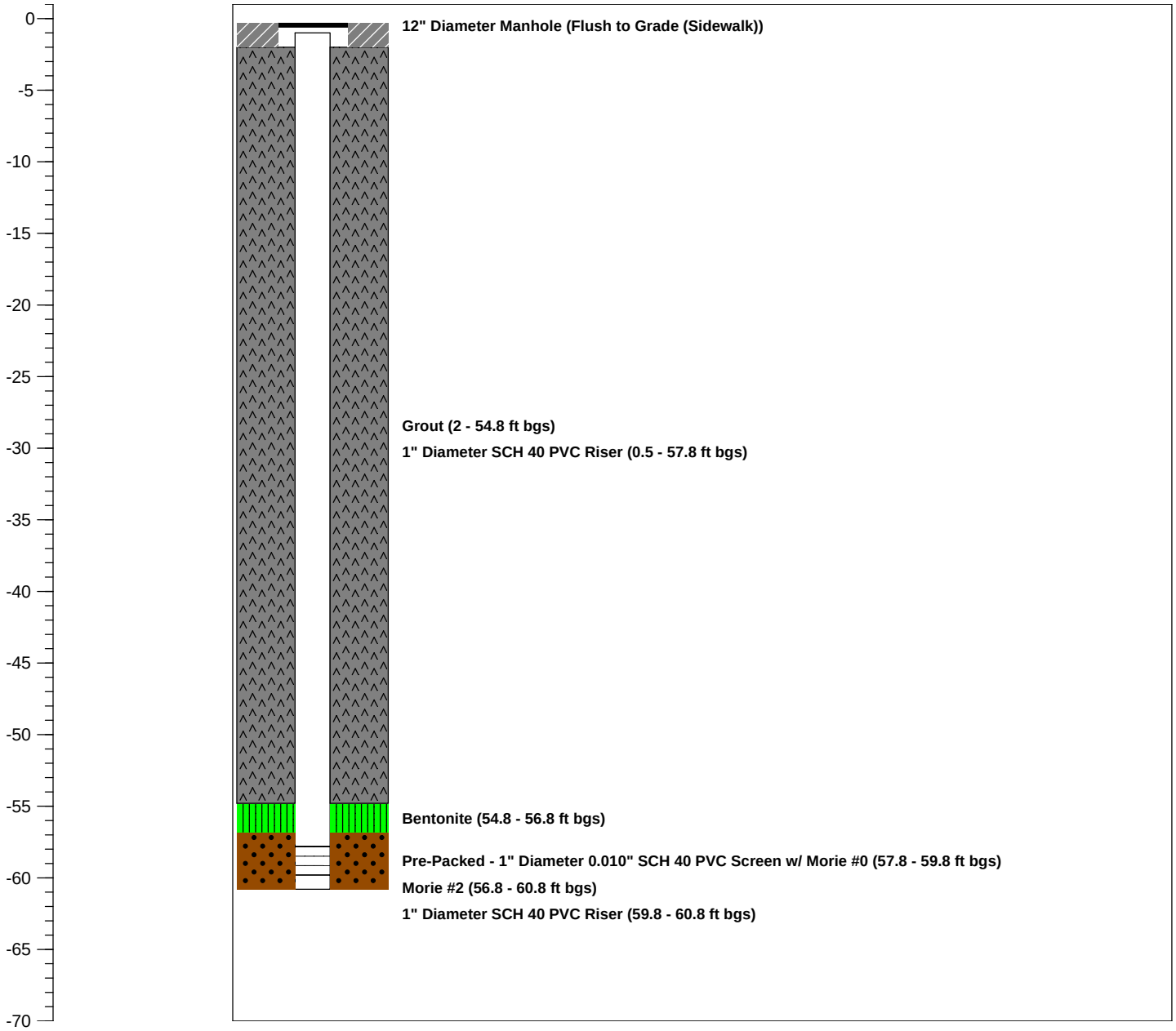
TOTAL DEPTH: **60.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-50**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/19/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

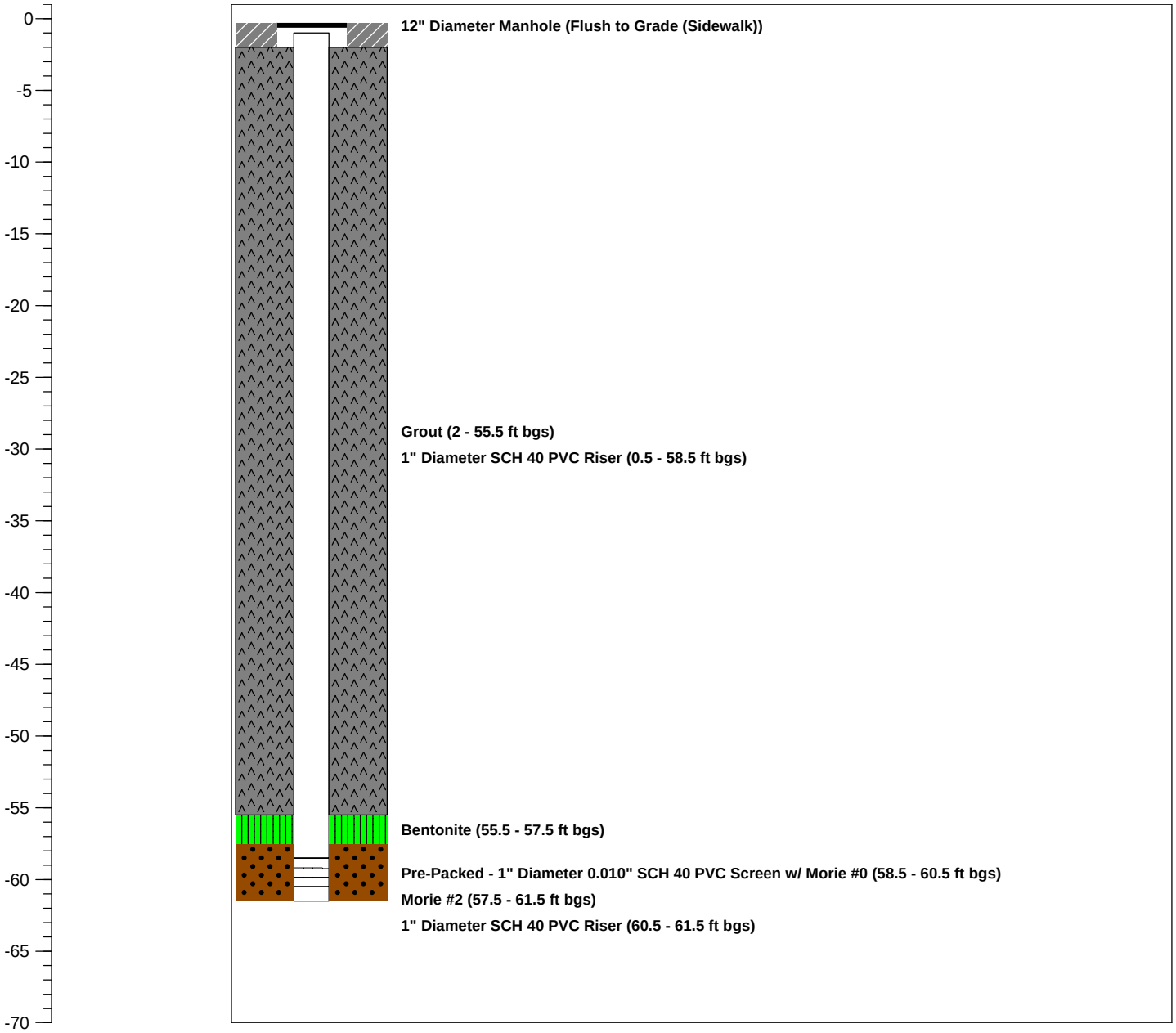
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**61.5'**	WELL NO.:	**OW-1-49**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/19/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

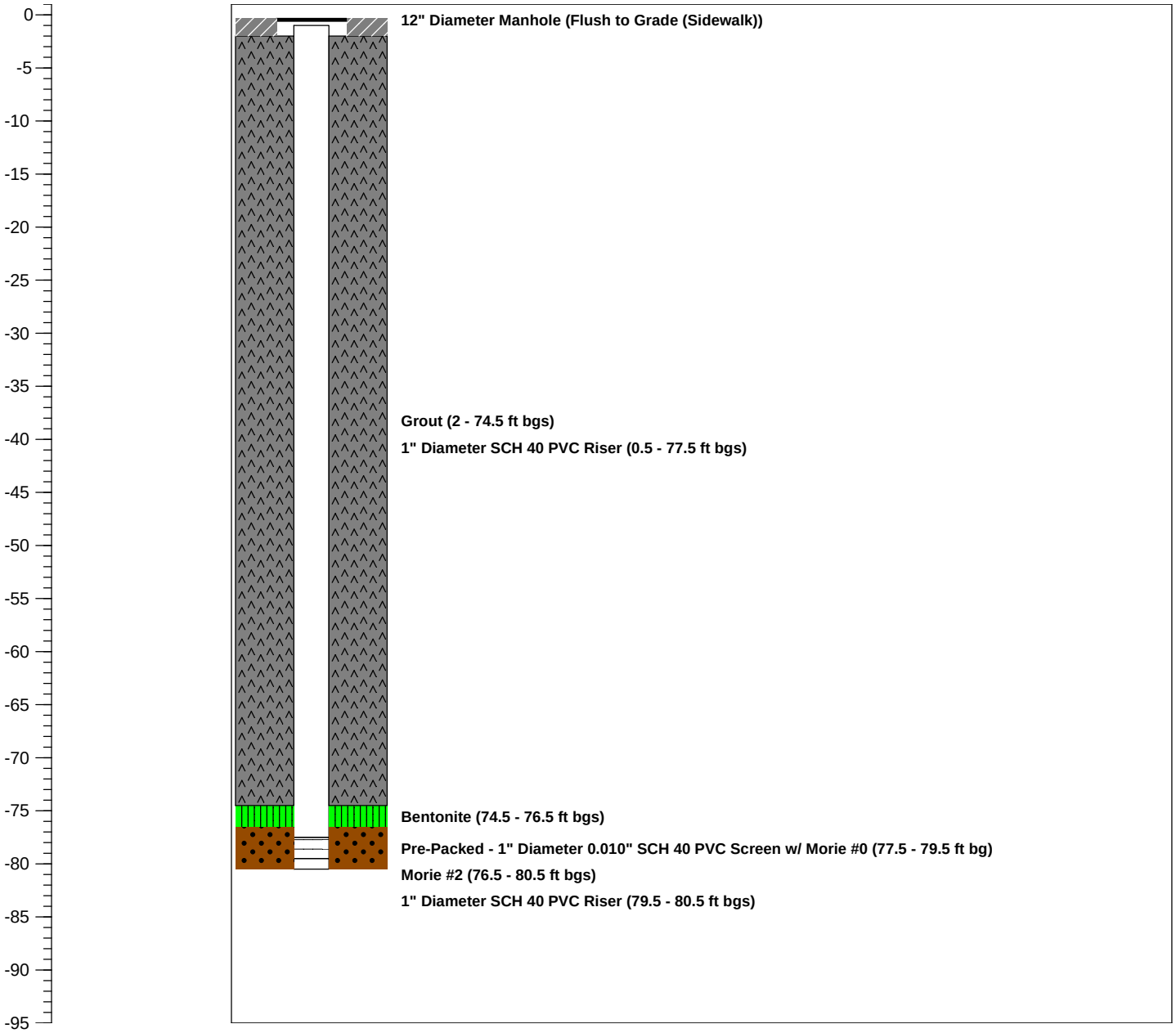
TOTAL DEPTH: **80.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-31D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/19/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

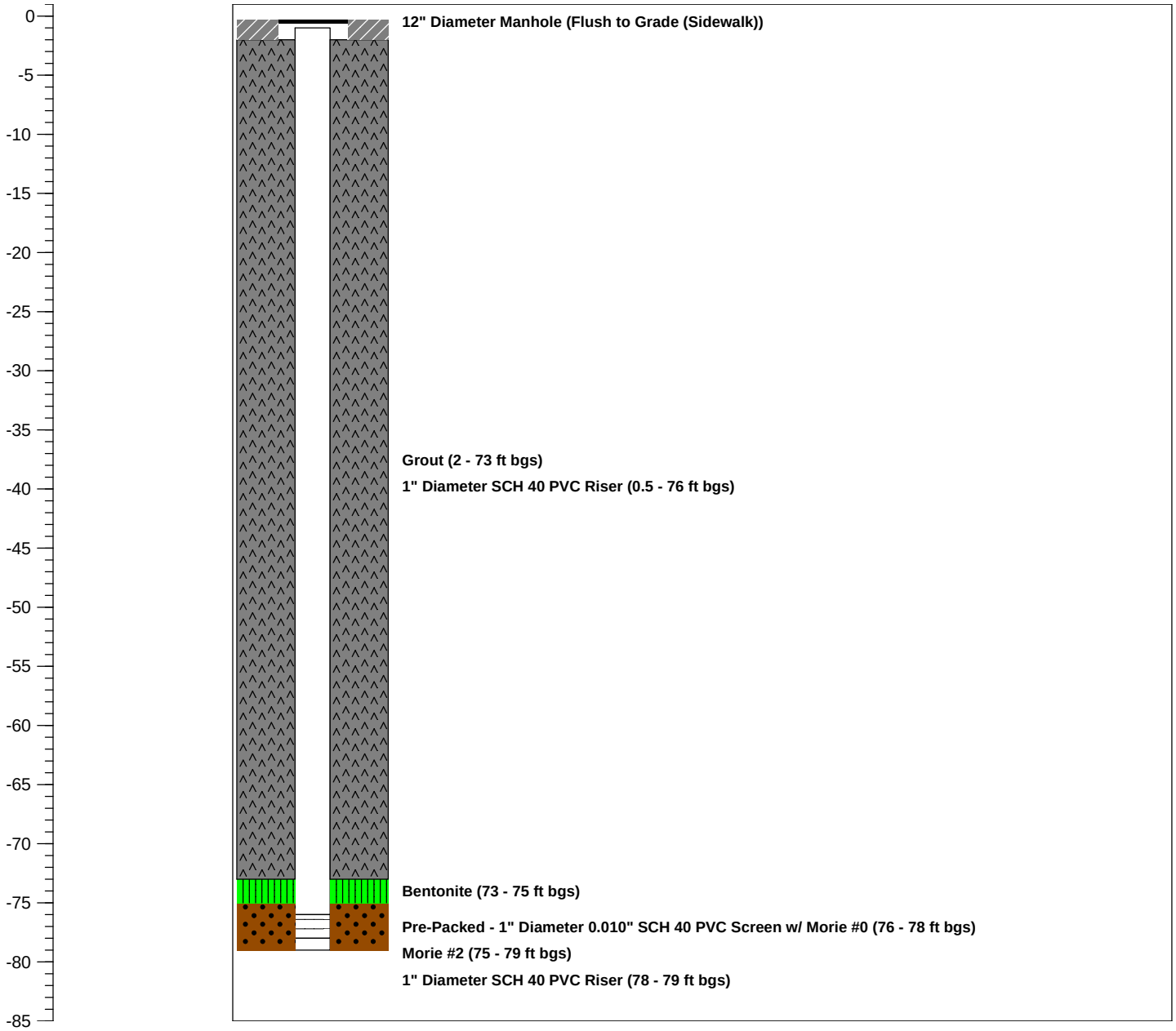
TOTAL DEPTH: **79.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-30D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/19/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

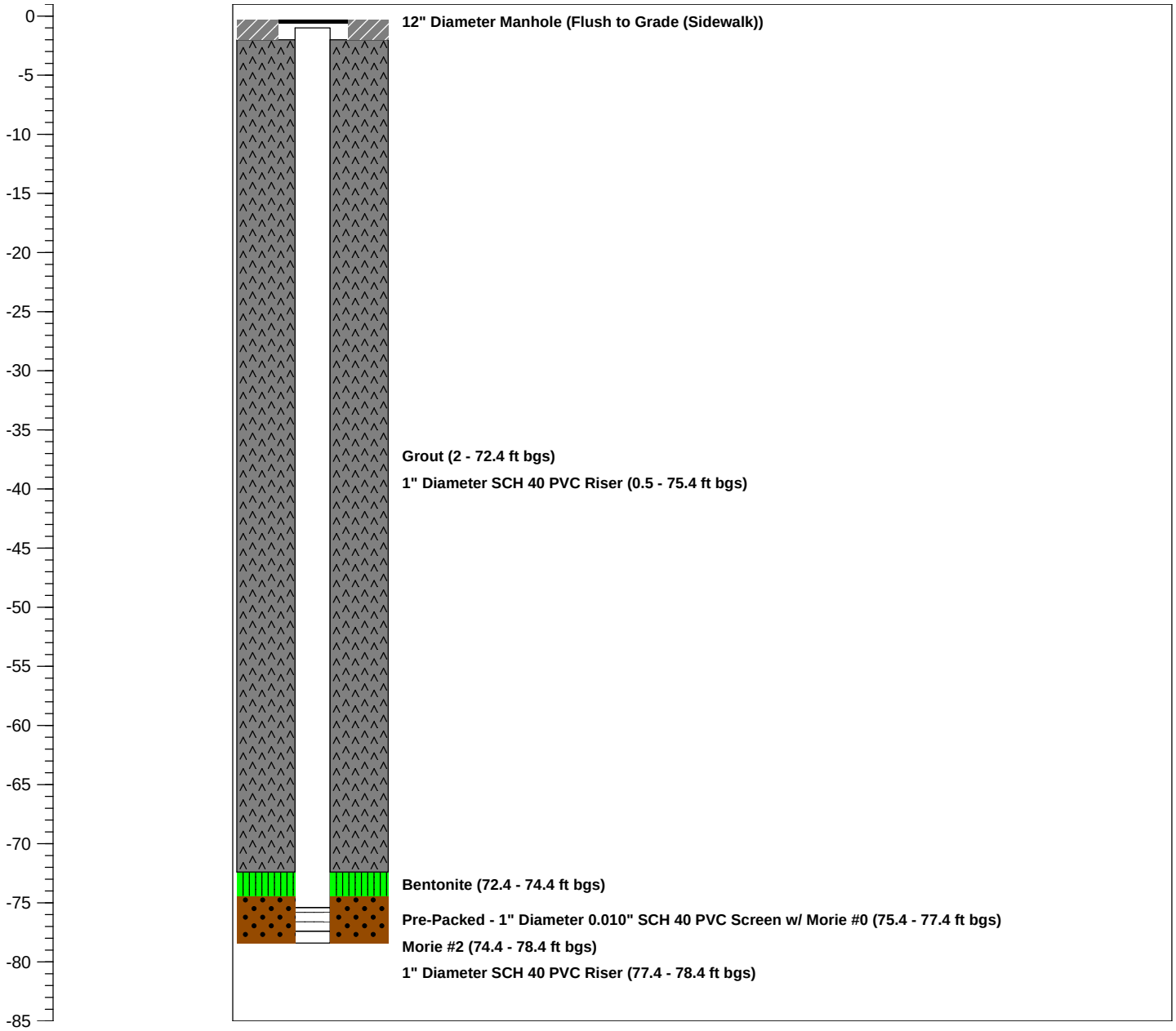
TOTAL DEPTH: **78.4'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-29D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/19/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	November 22, 2010
Weather Conditions:	Clear, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Support Truck
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Charlie Guzzardo	F&N	Dump Truck
Mike Ryan Jr.	F&N	
John Marchetti	F&N	
Megan Dascoli	URS	
Barry Rummel	Glacier	
Marvin Bell	Glacier	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Set up new decontamination pad. Started to cut poly oxygen supply tubing to the appropriate lengths and rolled back on reels. Pre-Cleared six (6) injection well locations (OW-1-22S, OW-1-22D, OW-1-18S. OW-1-18D, OW-1-17S, OW-1-17D). Mobilized GeoProbe 8040 & GeoProbe 7720 to site and installed four (4) injection points (OW-1-48, OW-1-28D, OW-1-27D OW-1-26D) to depths of 62.5 feet bgs, 78.0 feet bgs, 77.9 feet bgs and 78.1 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Reviewed concrete demolition JSA, proper use of PPE, discussed overhead and underground utility lines & safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

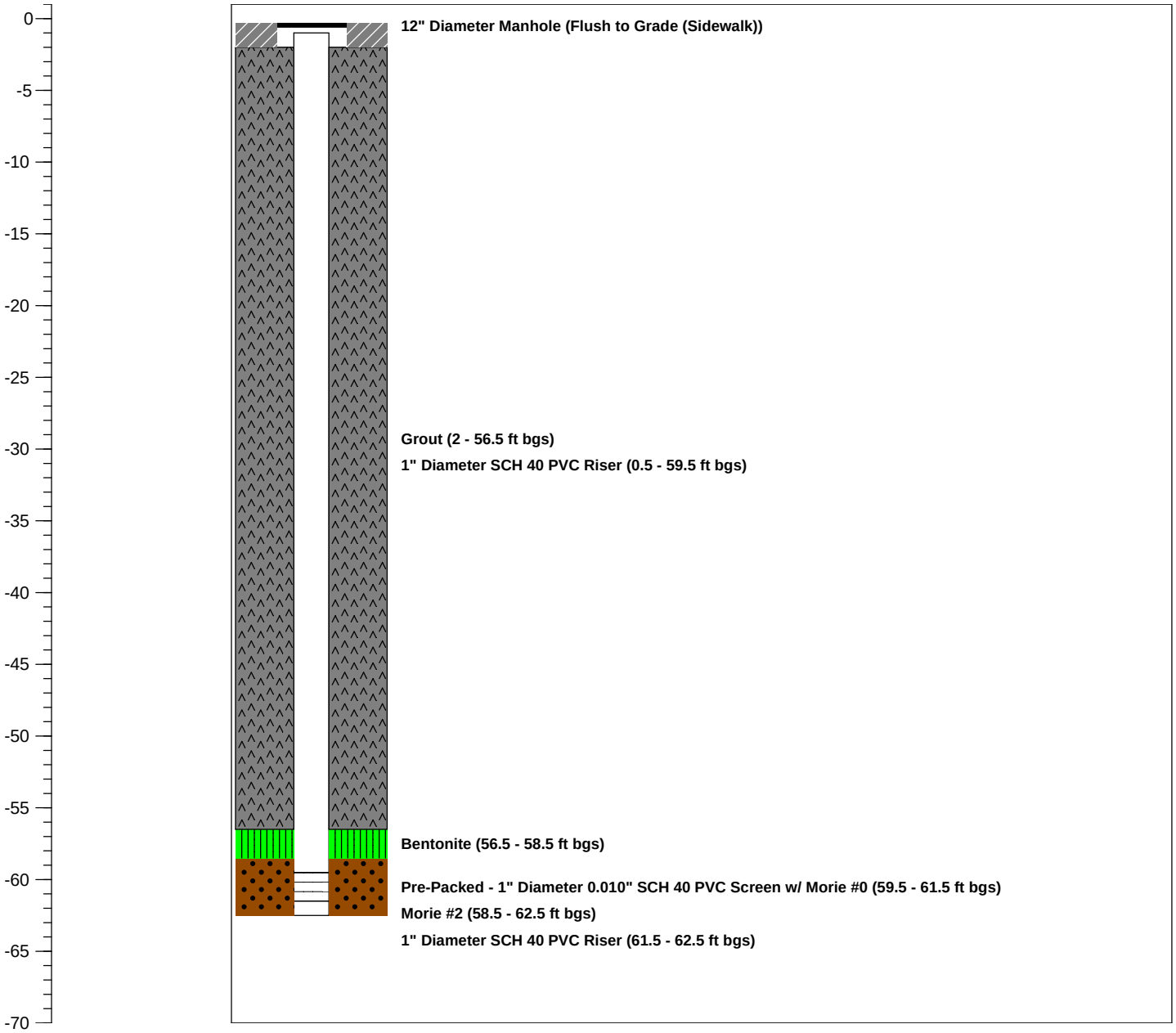
TOTAL DEPTH: **62.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-48**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/22/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

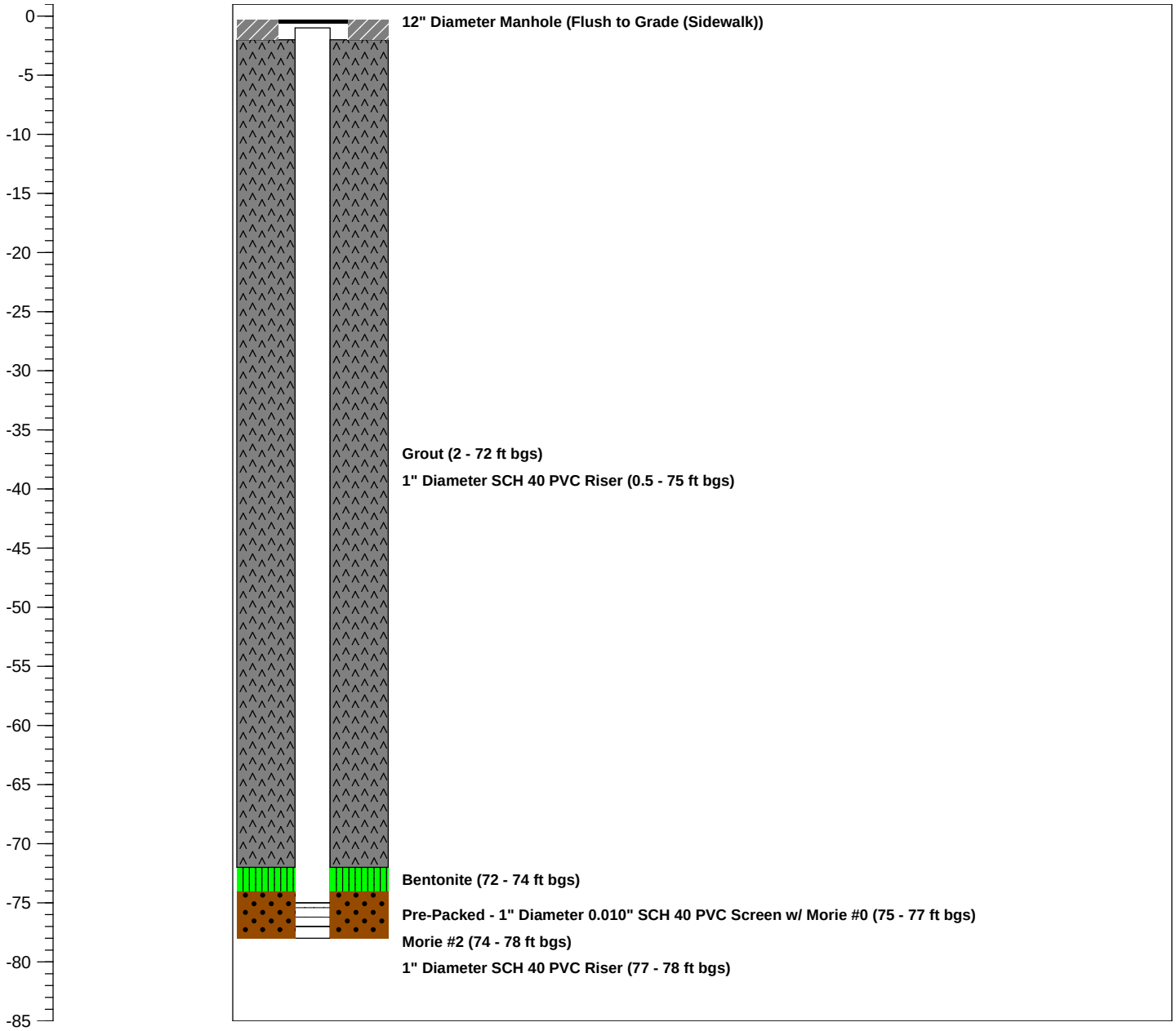
TOTAL DEPTH: **78.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-28D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/22/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

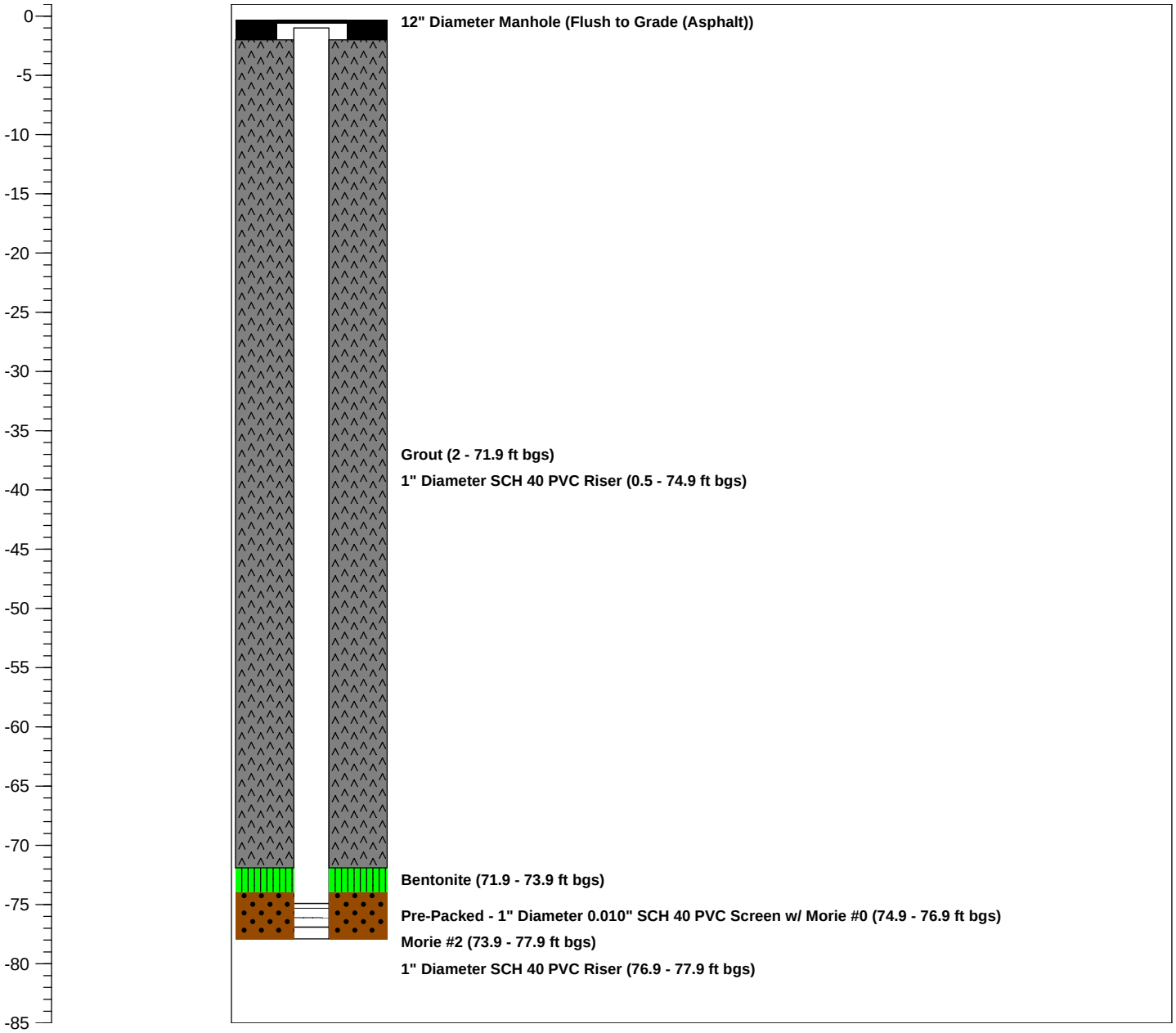
TOTAL DEPTH: **77.9'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-27D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/22/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

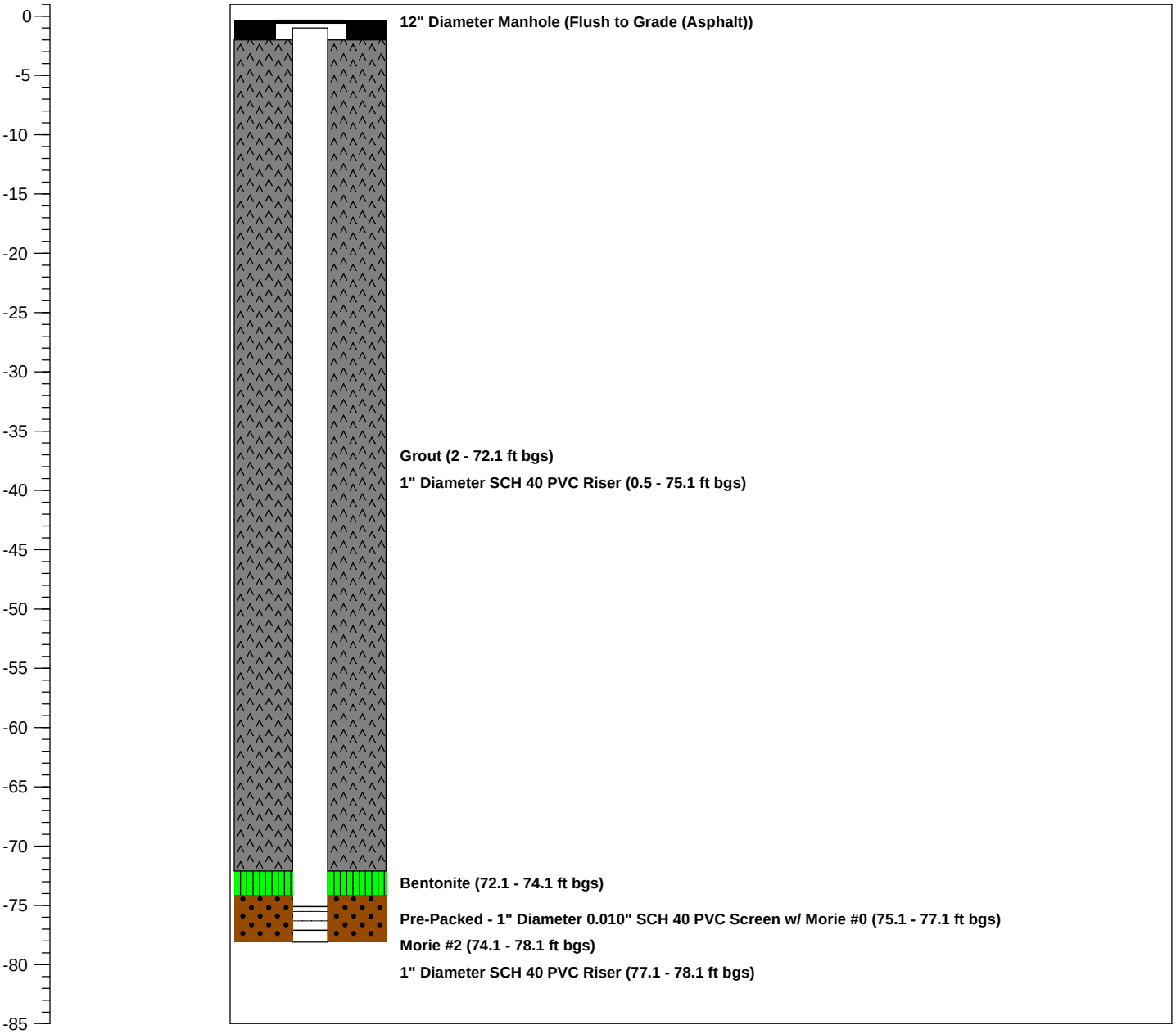
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**78.1'**	WELL NO.:	**OW-1-26D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/22/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	November 23, 2010
Weather Conditions:	Clear, Cloudy In the Afternoon ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Support Truck
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Charlie Guzzardo	F&N	Dump Truck
Mike Ryan Jr.	F&N	
John Marchetti	F&N	
Megan Dascoli	URS	
Dave Gantru	Glacier	
Marvin Bell	Glacier	
Mike Ryan Sr.	F&N	Suppoprt Truck

Detailed Summary of Work Performed

Continued to pull and cut lengths of tubing for the Oxygen Injection Lines. Pre-Cleared six (6) injection well locations (OW-1-16S, OW-1-16D, OW-1-15S. OW-1-15D, OW-1-14S, OW-1-14D). Mobilized GeoProbe 8040 & GeoProbe 7720 to site and installed four (4) injection points (OW-1-47, OW-1-46, OW-1-25D, OW-1-42D) to depths of 63.4 feet bgs, 64.3 feet bgs, 78.1 feet bgs, 71.0 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Reviewed concrete demolition JSA, proper use of PPE, discussed overhead and underground utility lines & safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

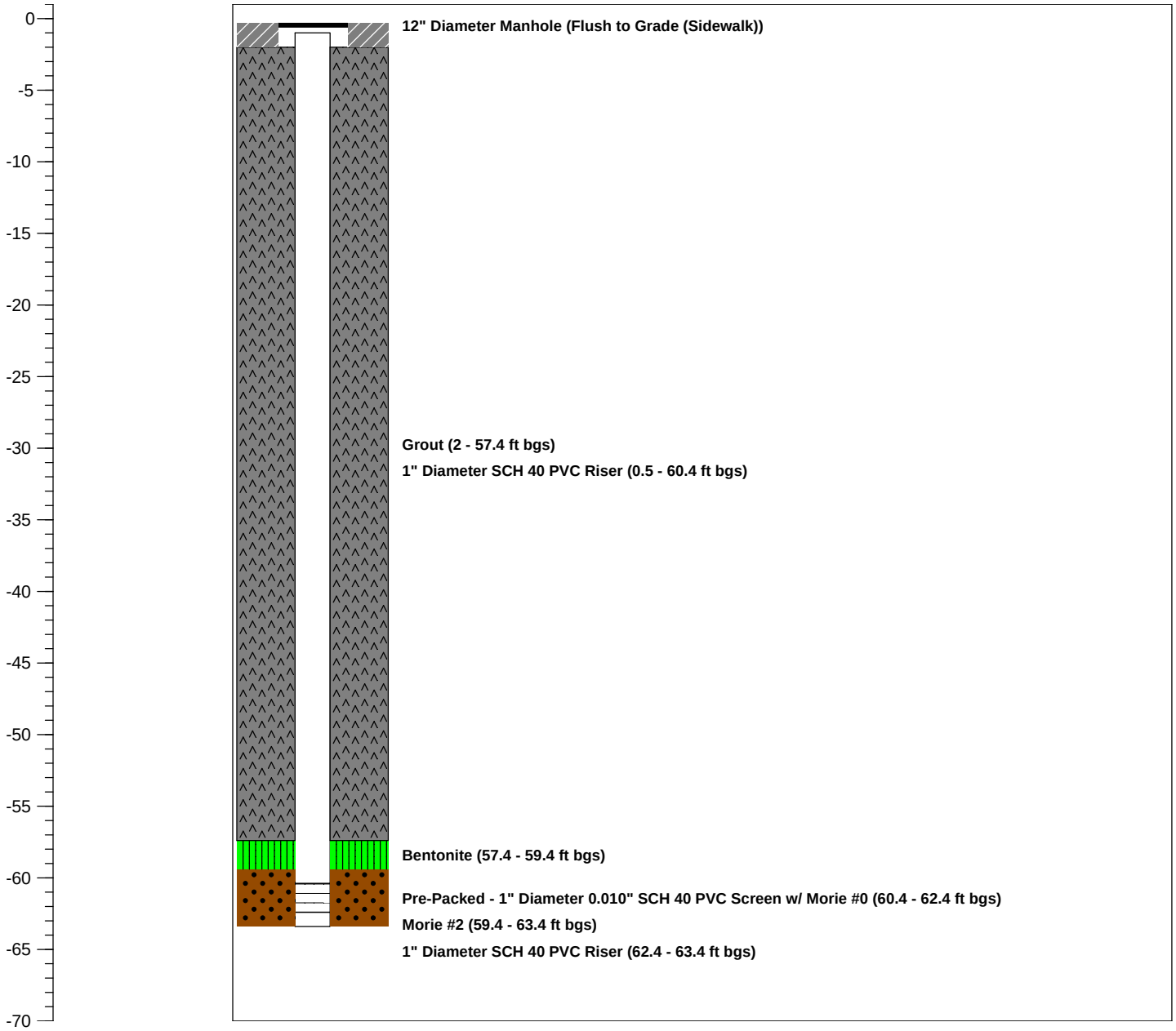
TOTAL DEPTH: **63.4'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-47**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/23/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

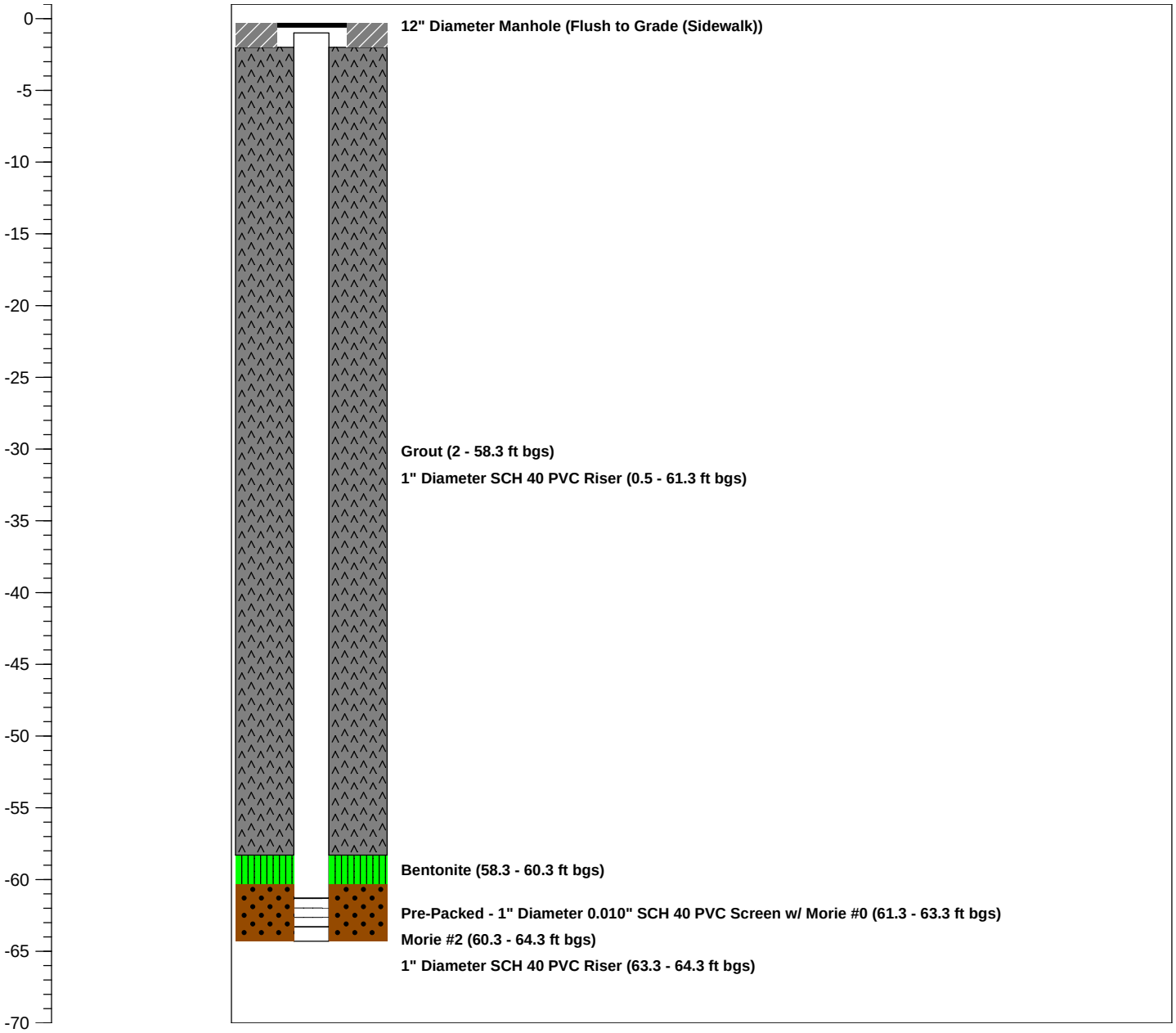
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**64.3'**	WELL NO.:	**OW-1-46**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/23/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

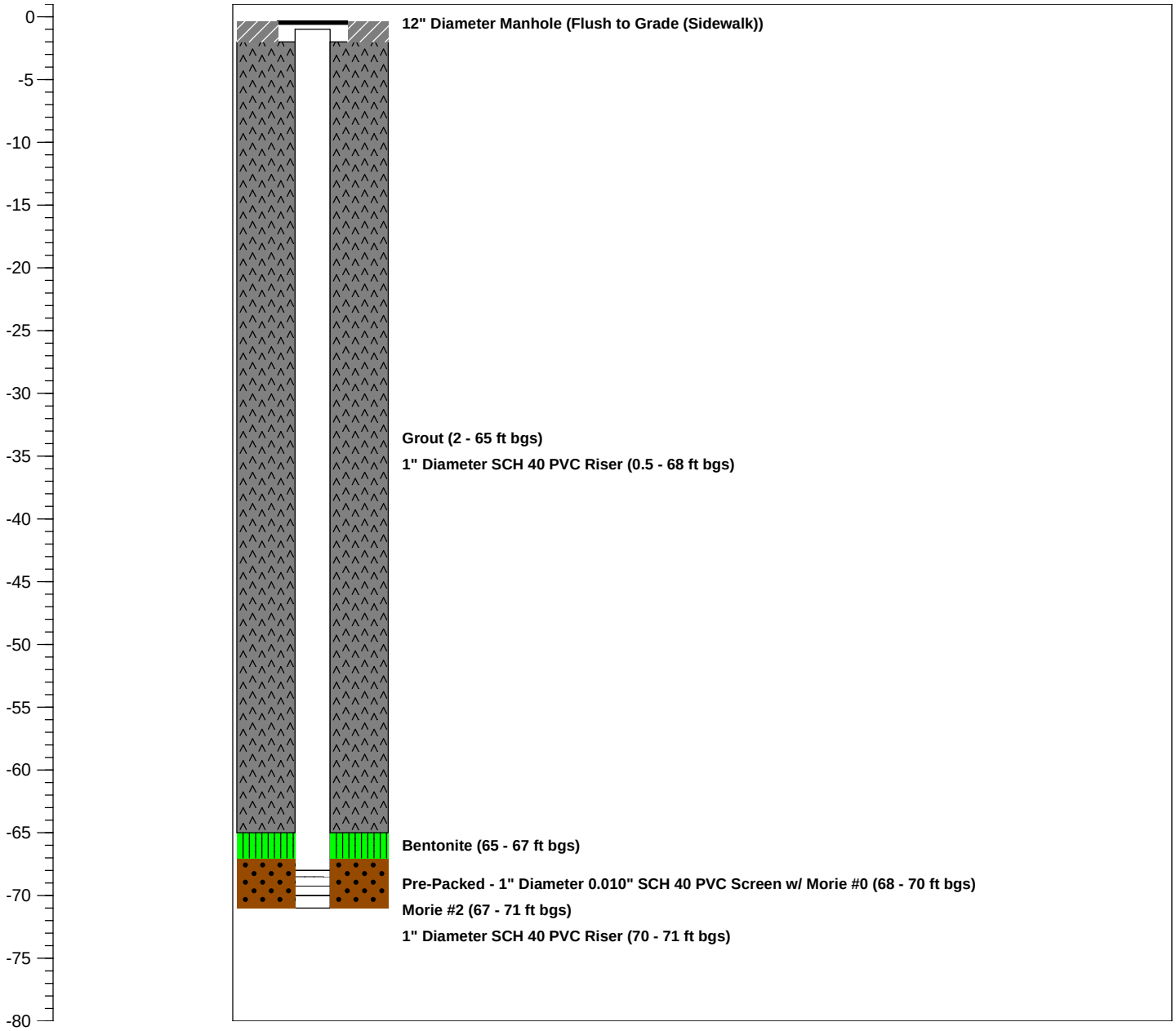
TOTAL DEPTH: **71.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-42D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/23/10**
Driller: **Dave Gardiner**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

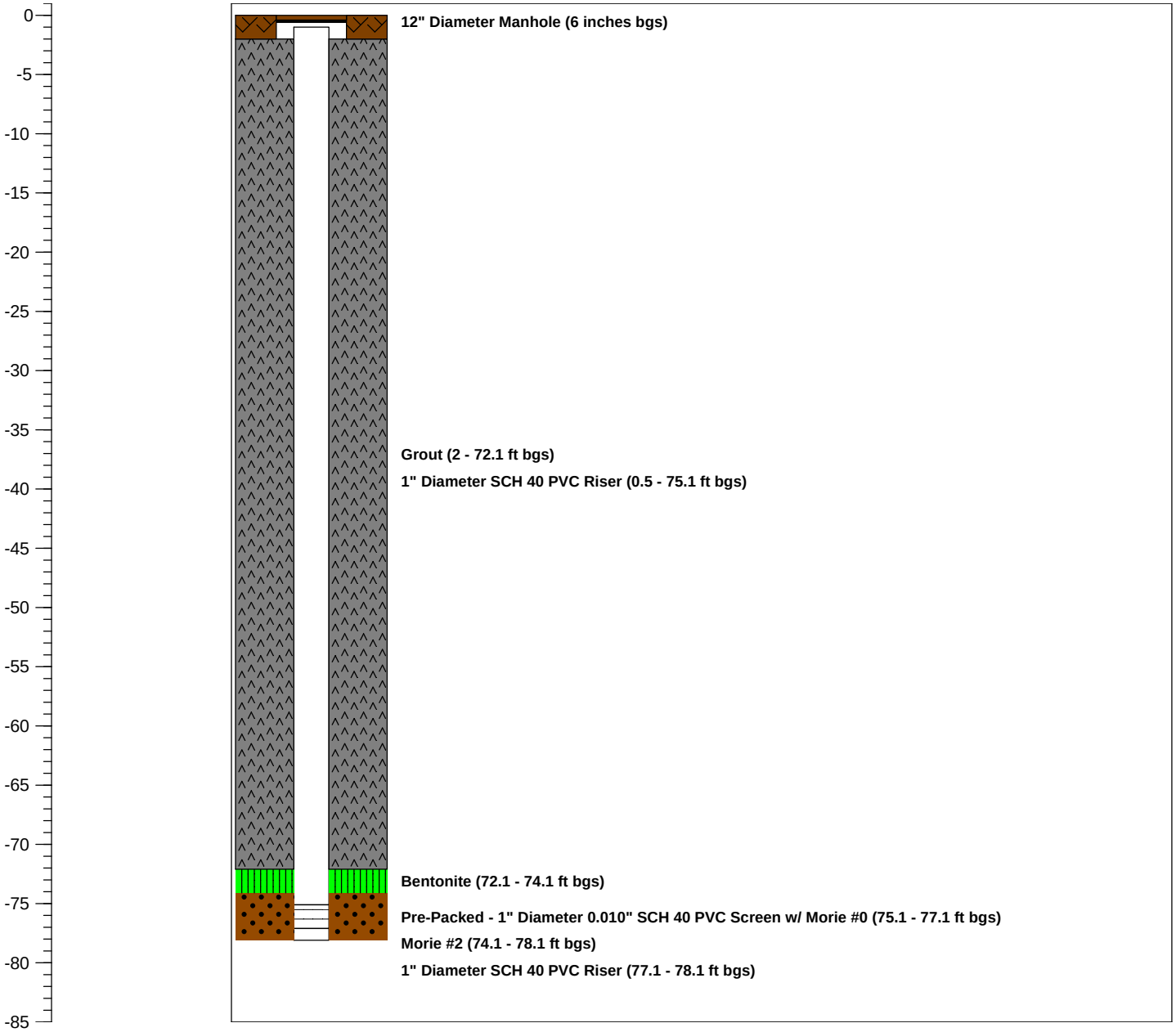
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**78.1'**	WELL NO.:	**OW-1-25D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/23/10**	Sampling Method:	-
Driller:	**Dave Gardiner**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	November 24, 2010
Weather Conditions:	Clear, ~45° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Support Truck
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Charlie Guzzardo	F&N	Dump Truck
Mike Ryan Jr.	F&N	
John Marchetti	F&N	
Megan Dascoli	URS	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Continued to pull and cut lengths of tubing for the Oxygen Injection Lines. Pre-Cleared six (6) injection well locations (OW-1-16S, OW-1-16D, OW-1-15S. OW-1-15D, OW-1-14S, OW-1-14D). Mobilized GeoProbe 7720 to site and installed two (2) injection points (OW-1-42S, OW-1-41S) to depths of 51.3 feet bgs and 51.5 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Reviewed concrete demolition JSA, proper use of PPE, discussed overhead and underground utility lines & safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

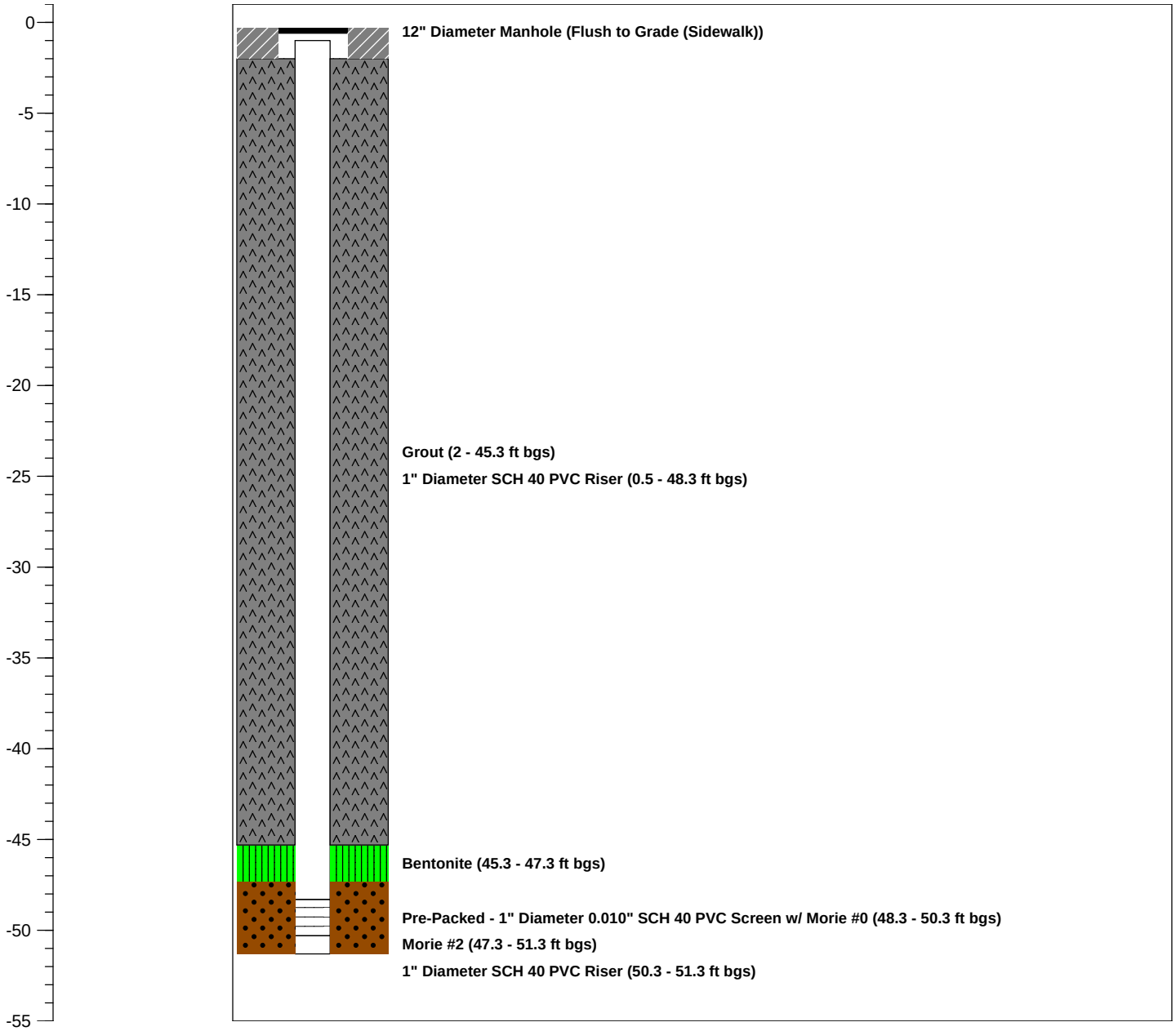
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**51.3'**	WELL NO.:	**OW-1-42S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/24/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

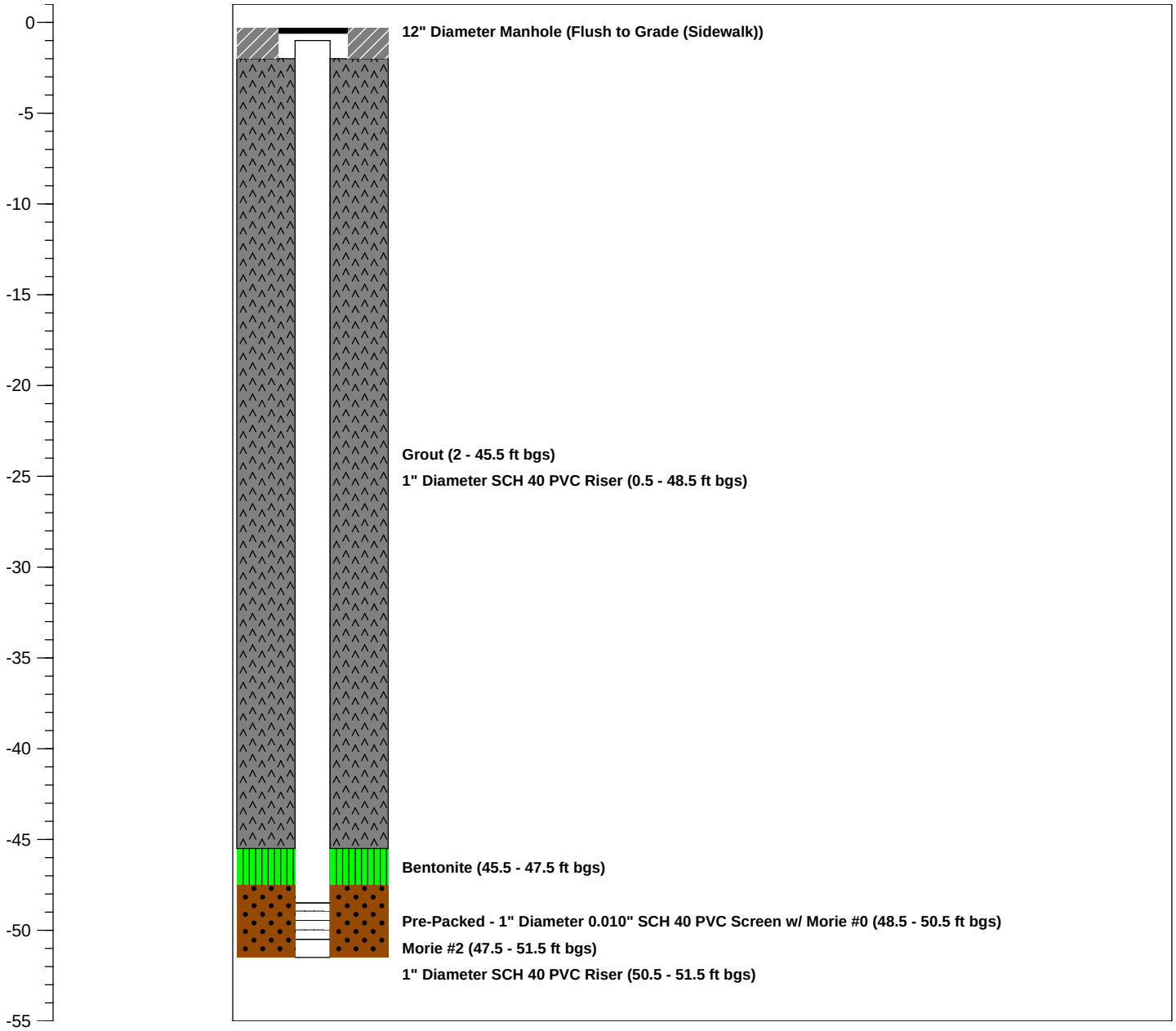
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**51.5'**	WELL NO.:	**OW-1-41S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/24/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	November 29, 2010
Weather Conditions:	Clear, ~40° F
Hours of Operation:	7:00 AM to 4:15 PM

Labor

Name	Company	Equipment Utilized
Megan Dascoli	URS	
Mike Ryan	F&N	
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
John Marchetti	F&N	Support Truck
Mike Ryan Jr	F&N	Dump Truck
George Brunquell	F&N	
Joe Palmeri	F&N	
Charlie Guzzardo	F&N	
Barry Rummell	Glacier	Drill Support Truck & Geoprobe 8040
Marvin Bell	Glacier	

Detailed Summary of Work Performed

Utilized backhoe to dig out and create a roadway in the hillside of the LIRR right of way to allow access for trucks and equipment. Transported two (2) loads of RCA to the dead end of Wendell Street. Applied and compacted RCA to the newly created roadway. Utilized the backhoe to level the grade of the LIRR right of way section, where System #1 will be placed. Precleared seven (7) injection points to 5 feet bgs. Mobilized GeoProbe 8040 & GeoProbe 7720 to site and installed seven (7) injection points (OW-1-40S, OW-1-39S, OW-1-25S, OW-1-26S, OW-1-27S, OW-1-29S, OW-1-30S) to depths of 51.1 feet bgs, 50.7 feet bgs, 48.8 feet bgs, 48.3 feet bgs, 48.3 feet bgs, 48.5 feet bgs and 48.8 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Reviewed concrete demolition JSA, proper use of PPE, discussed overhead and underground utility lines & safety. Reviewed slips, trips and falls JSA. Dicussed eye contact and coordination between machine operator and flagger.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

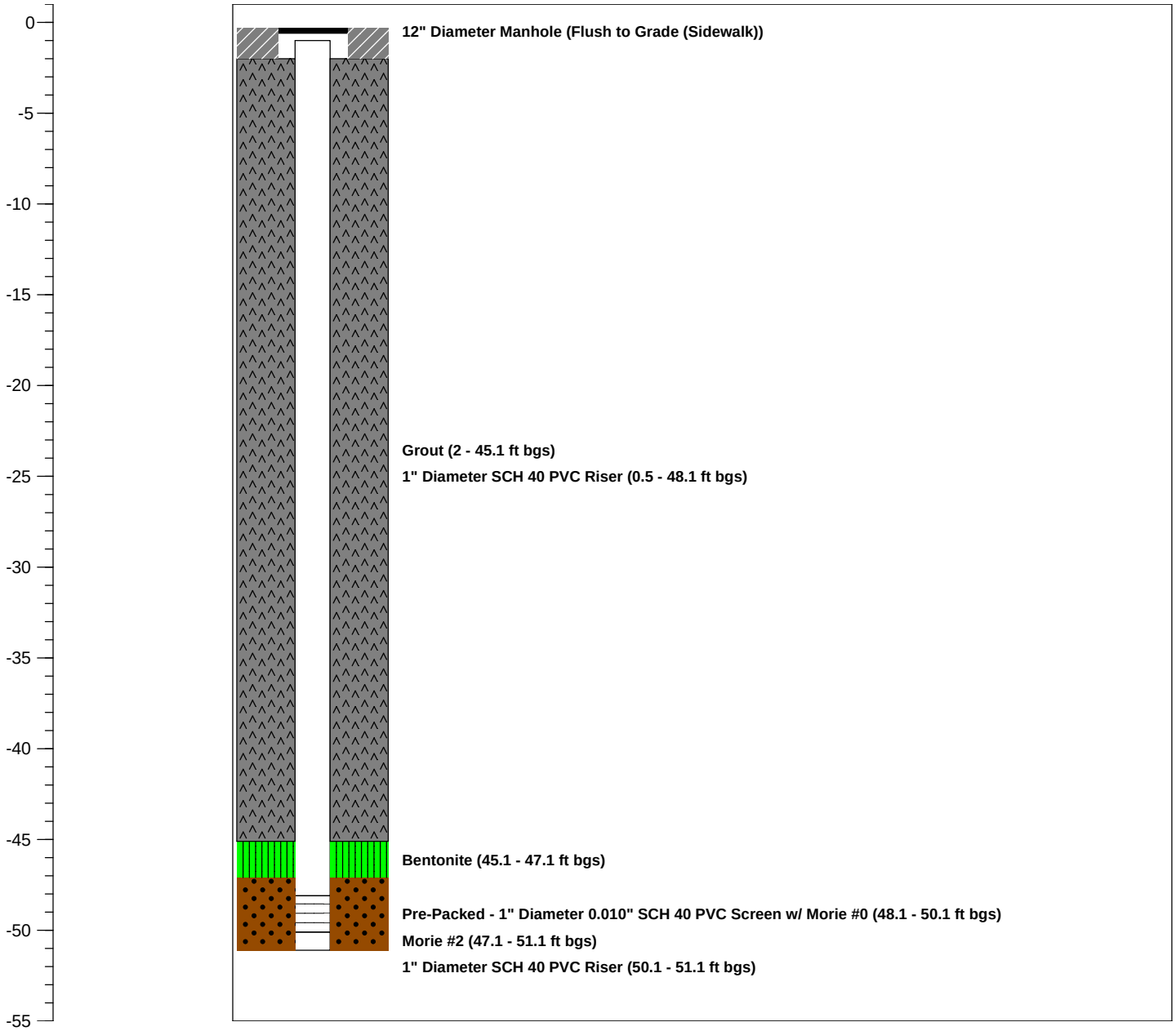
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**51.1'**	WELL NO.:	**OW-1-40S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/29/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

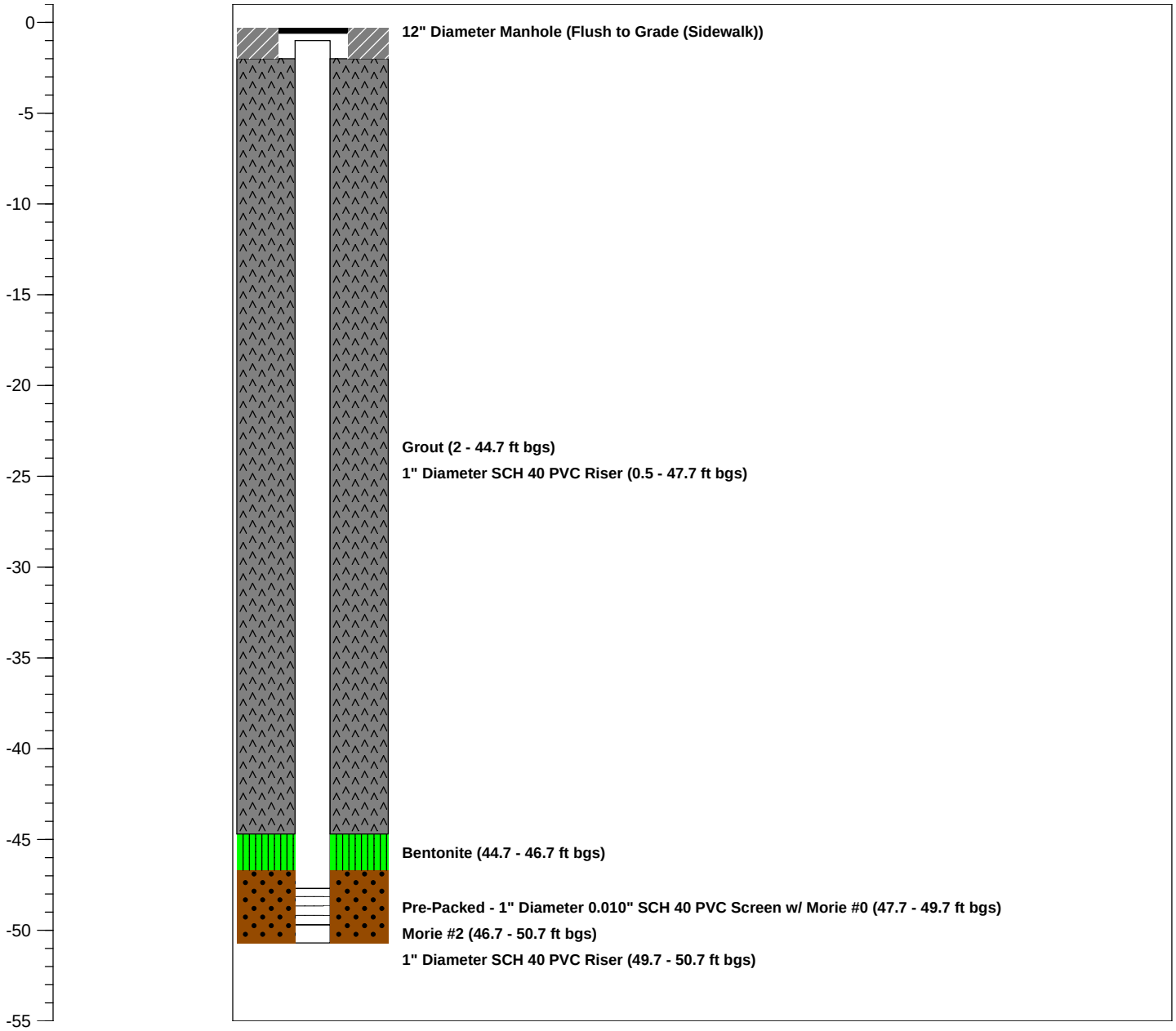
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**50.7'**	WELL NO.:	**OW-1-39S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/29/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

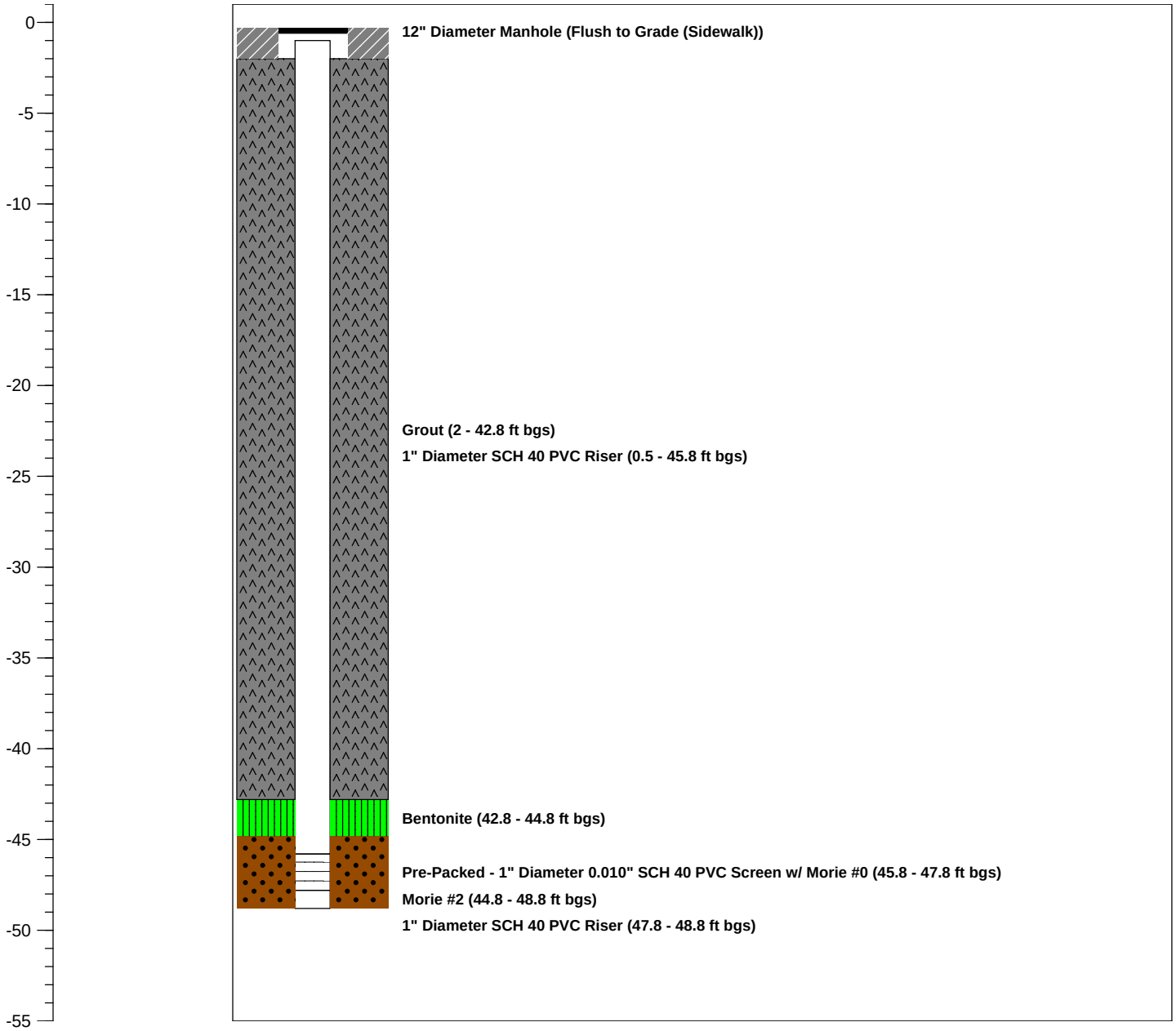
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.8'**	WELL NO.:	**OW-1-30S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/29/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

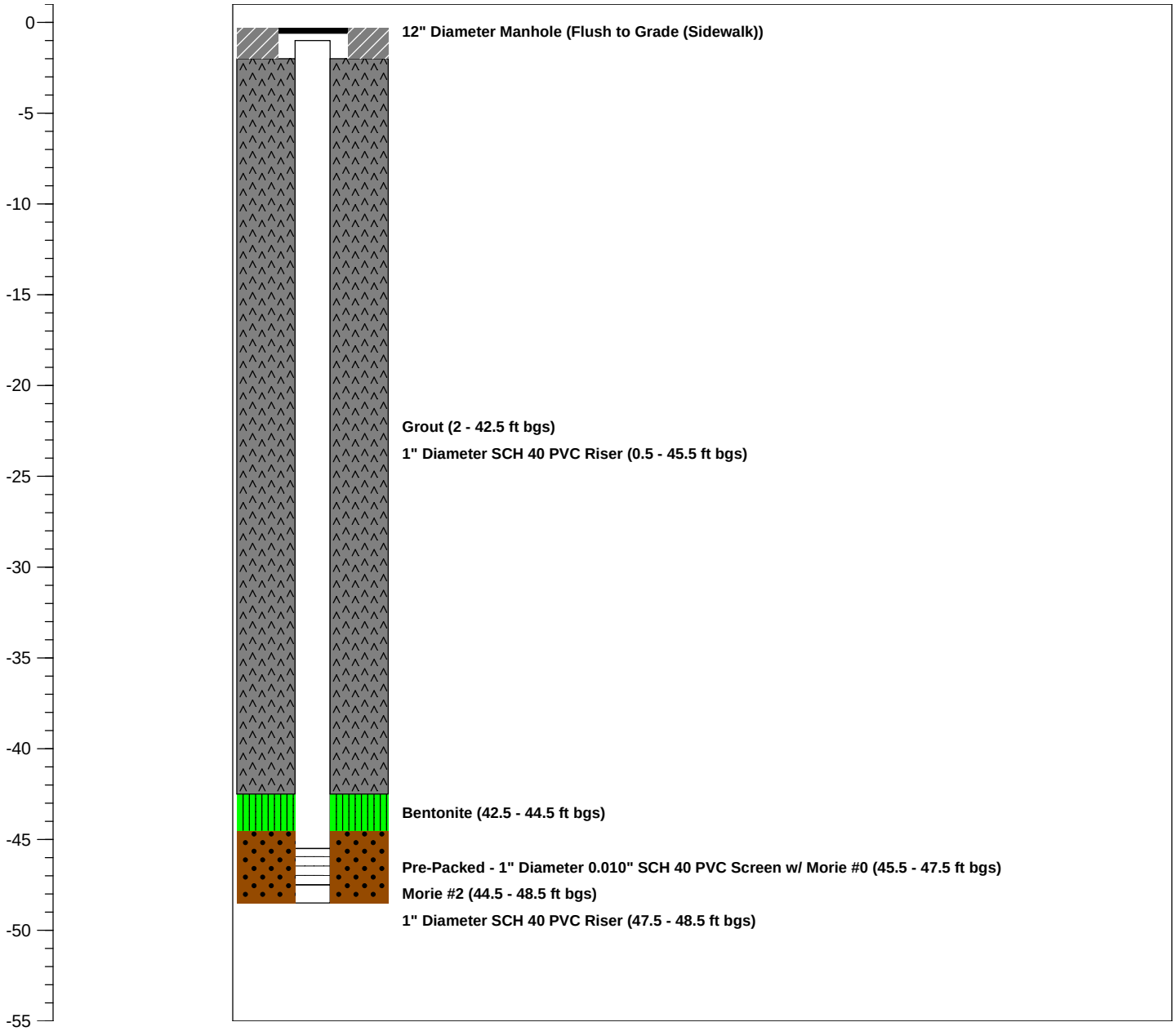
TOTAL DEPTH: **48.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-29S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/29/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

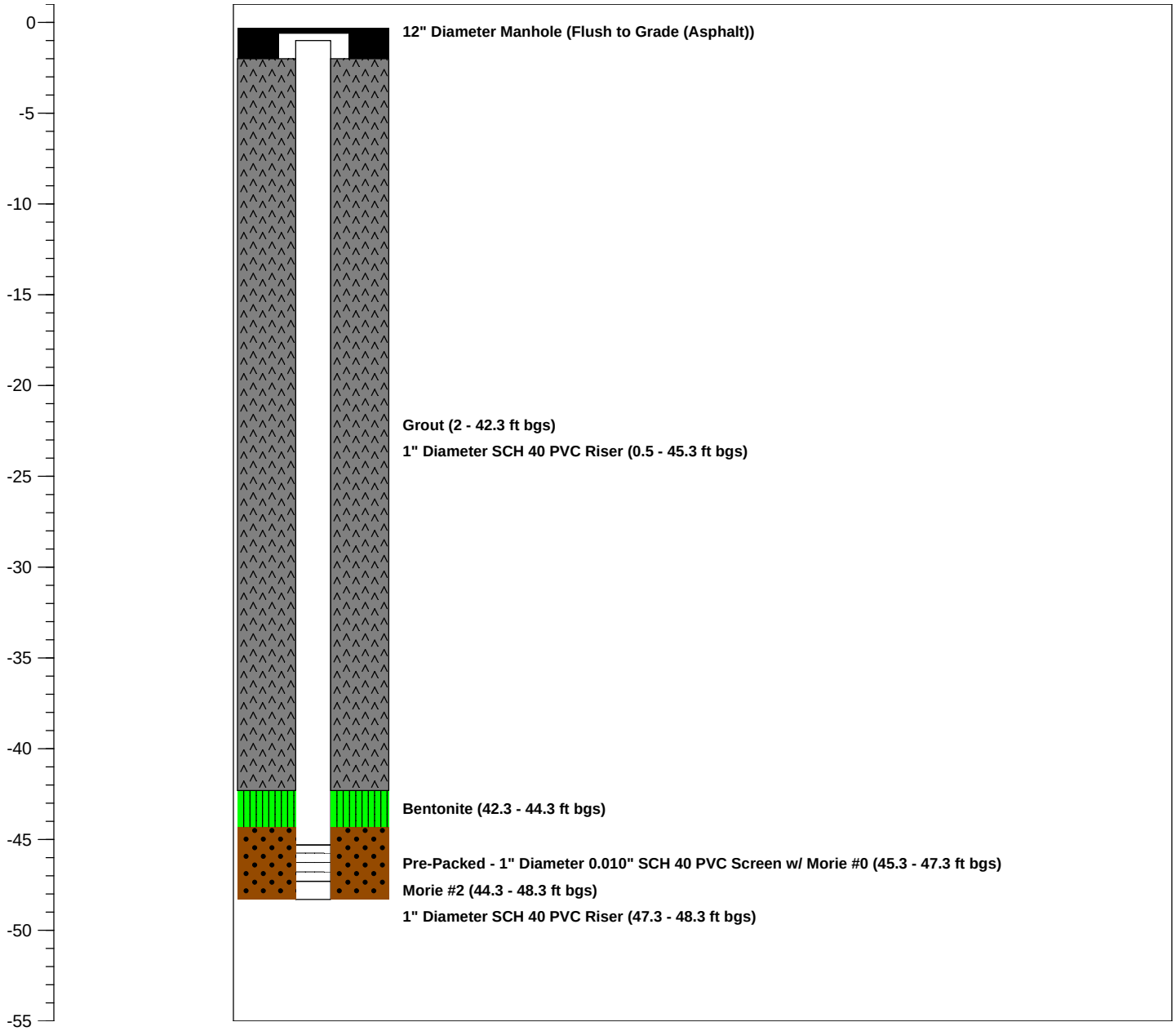
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.3'**	WELL NO.:	**OW-1-27S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/29/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

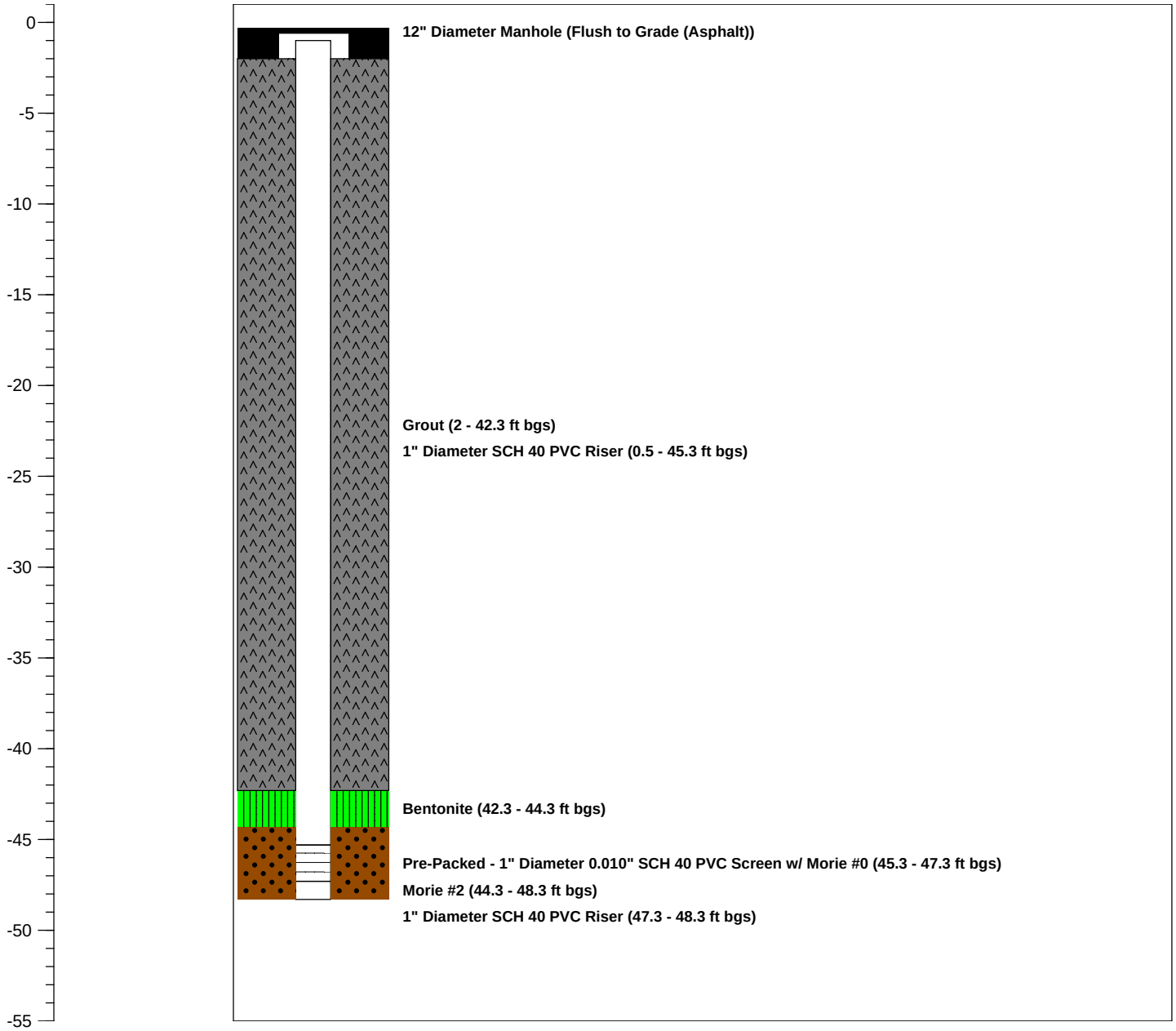
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.3'**	WELL NO.:	**OW-1-26S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/29/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

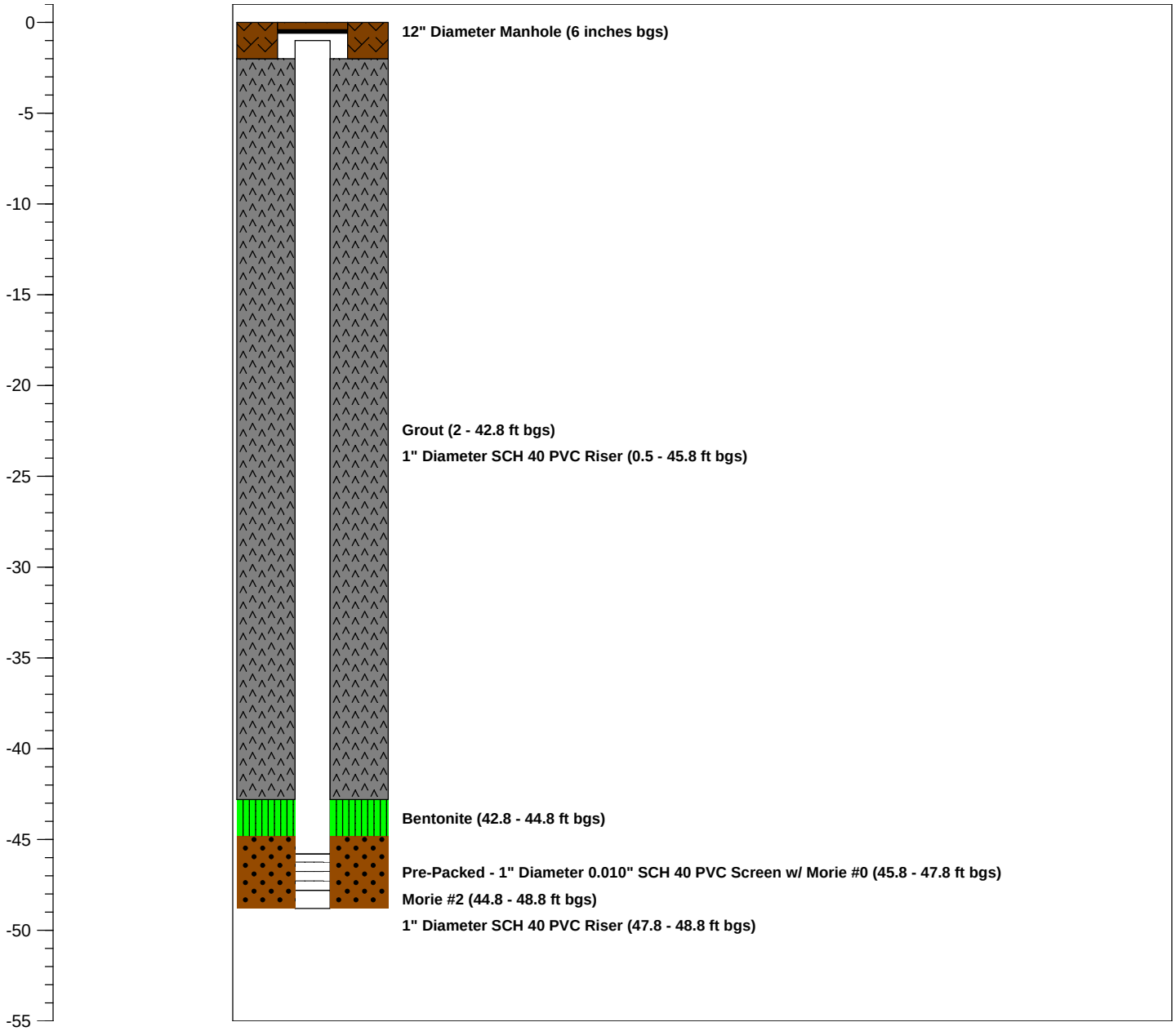
TOTAL DEPTH: **48.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-25S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/29/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	November 30, 2010
Weather Conditions:	Mostly Cloudy, ~55° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan	F&N	
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
John Marchetti	F&N	Support Truck
Mike Ryan Jr	F&N	Dump Truck
George Brunquell	F&N	
Joe Palmeri	F&N	
Charlie Guzzardo	F&N	
Barry Rummell	Glacier	Drill Support Truck & Geoprobe 8040
Marvin Bell	Glacier	

Detailed Summary of Work Performed

Utilized backhoe to remove two (2) tree stumps from the trench path within the LIRR right of way. Graded the top of the hill located within the LIRR right of way and transported all soils to the Intersection Street staging yard for stock piling. Continued to compact RCA on the newly created roadway located on the hill. Marked and staked out the area in which the System #1 will be located. Transported plywood and covered the existing injection wells to for protection. Precleared eight (8) injection points to 5 feet bgs. Mobilized GeoProbe 8040 & GeoProbe 7720 to site and installed eight (8) injection points (OW-1-37S, OW-1-28S, OW-1-31S, OW-1-41D, OW-1-38S, OW-1-36S, OW-1-35S, OW-1-34S) to depths of 50.5 feet bgs, 48.3 feet bgs, 49.3 feet bgs, 73.6 feet bgs, 50.6 feet bgs, 50.3 feet bgs, 50.3 feet bgs and 50.1 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Reviewed concrete demolition JSA, proper use of PPE, discussed overhead and underground utility lines & safety. All personnel must use access roadway to avoid slip, trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

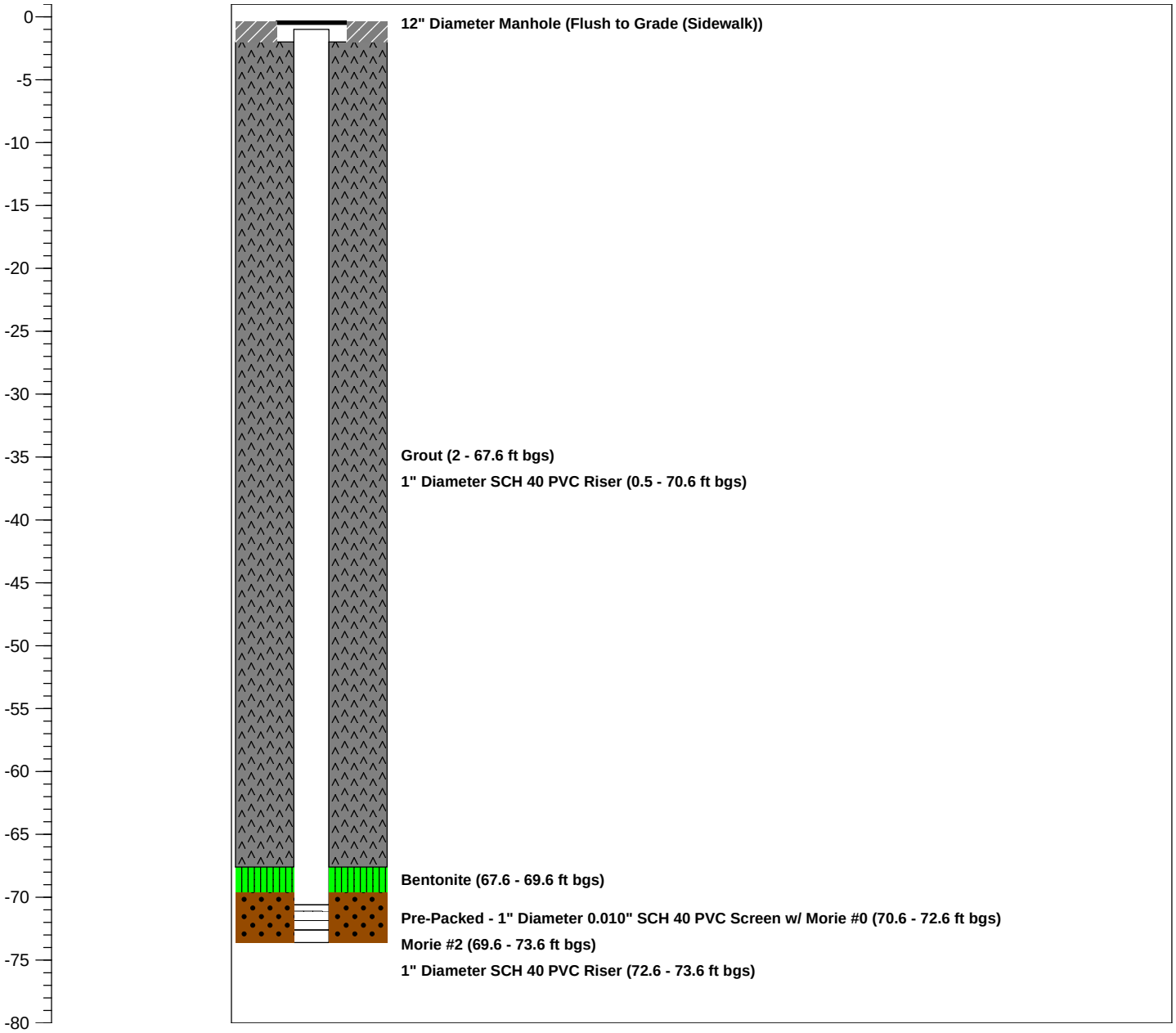
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**73.6'**	WELL NO.:	**OW-1-41D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/30/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

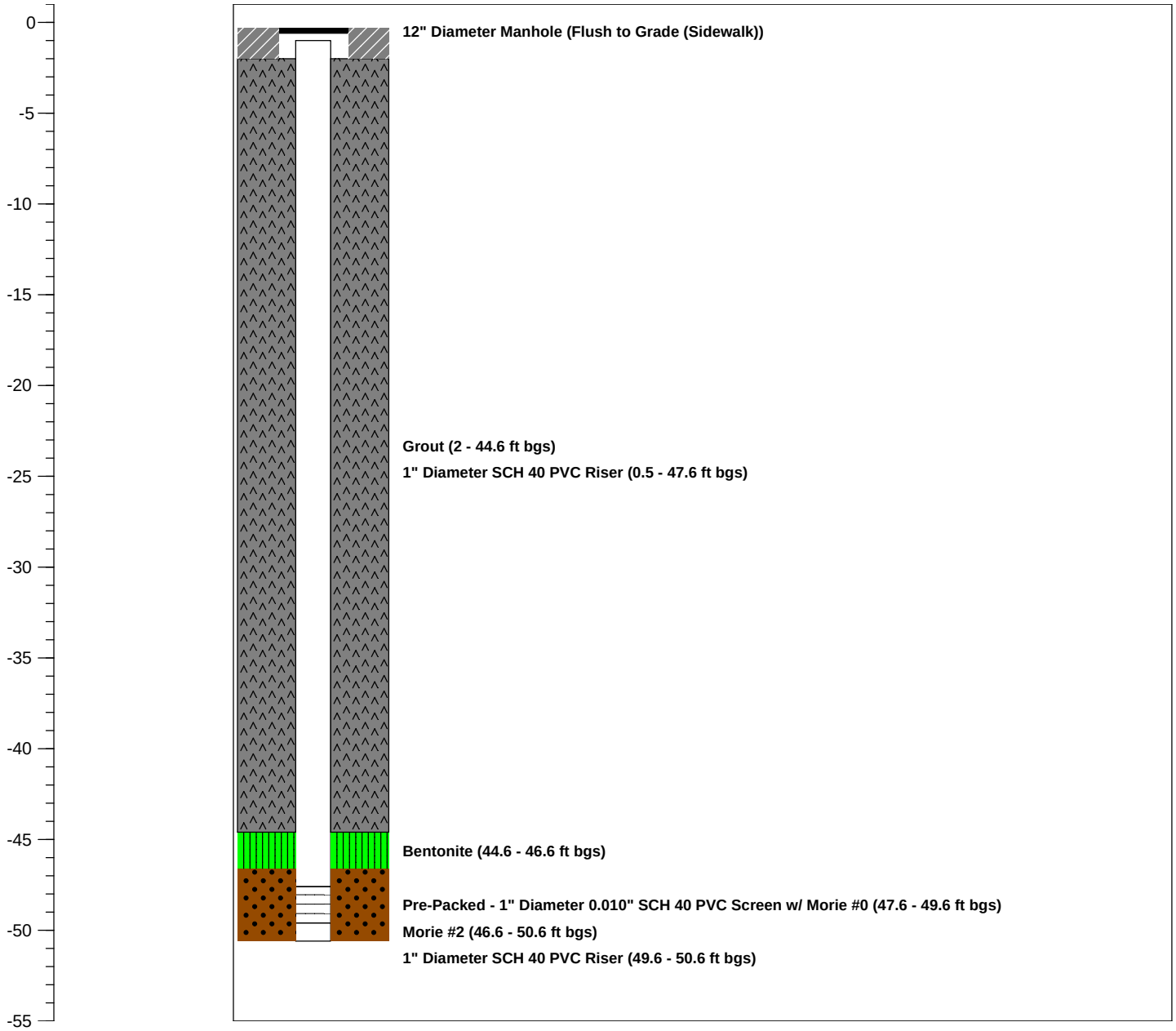
TOTAL DEPTH: **50.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-38S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/30/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

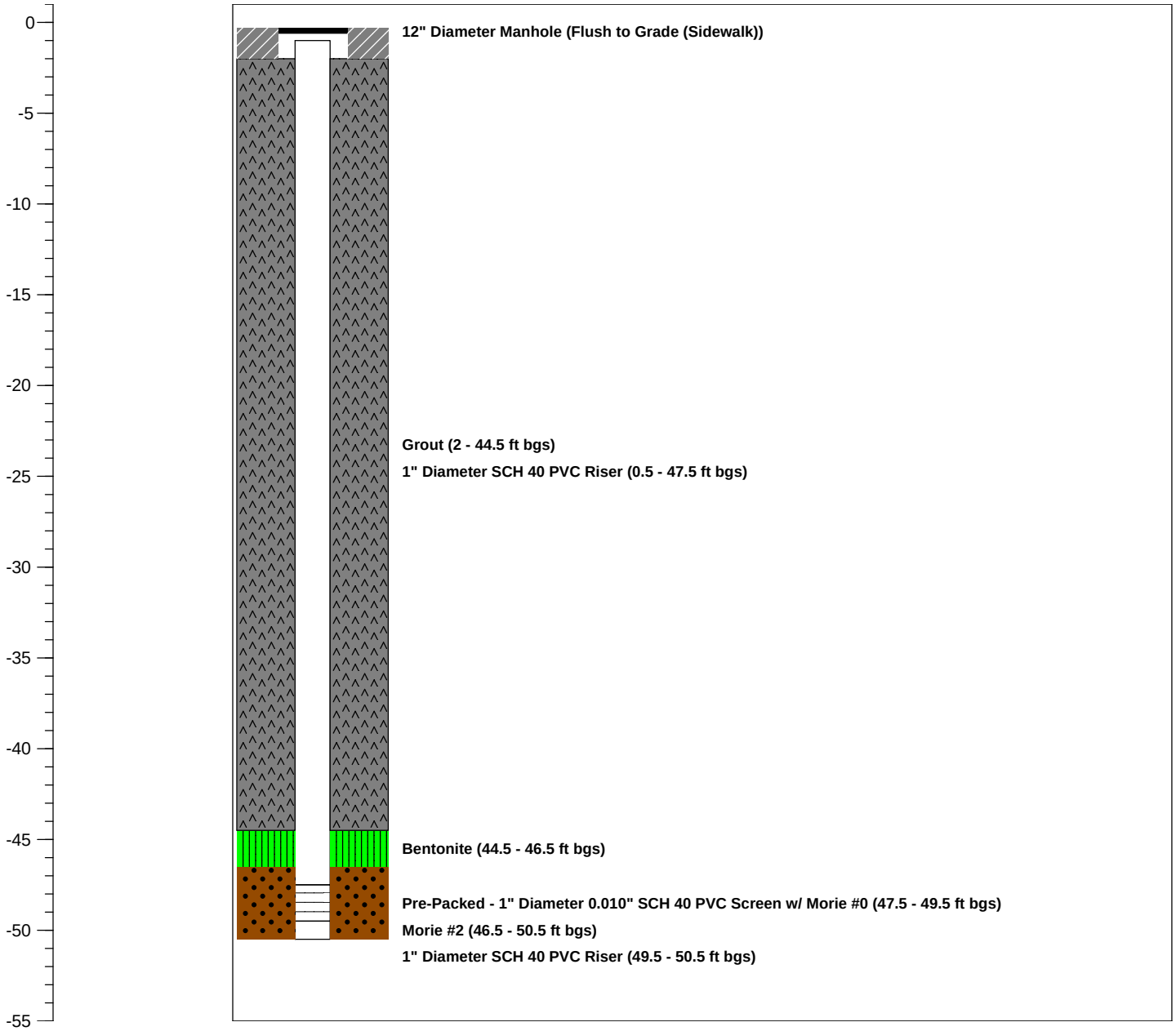
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**50.5'**	WELL NO.:	**OW-1-37S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/30/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

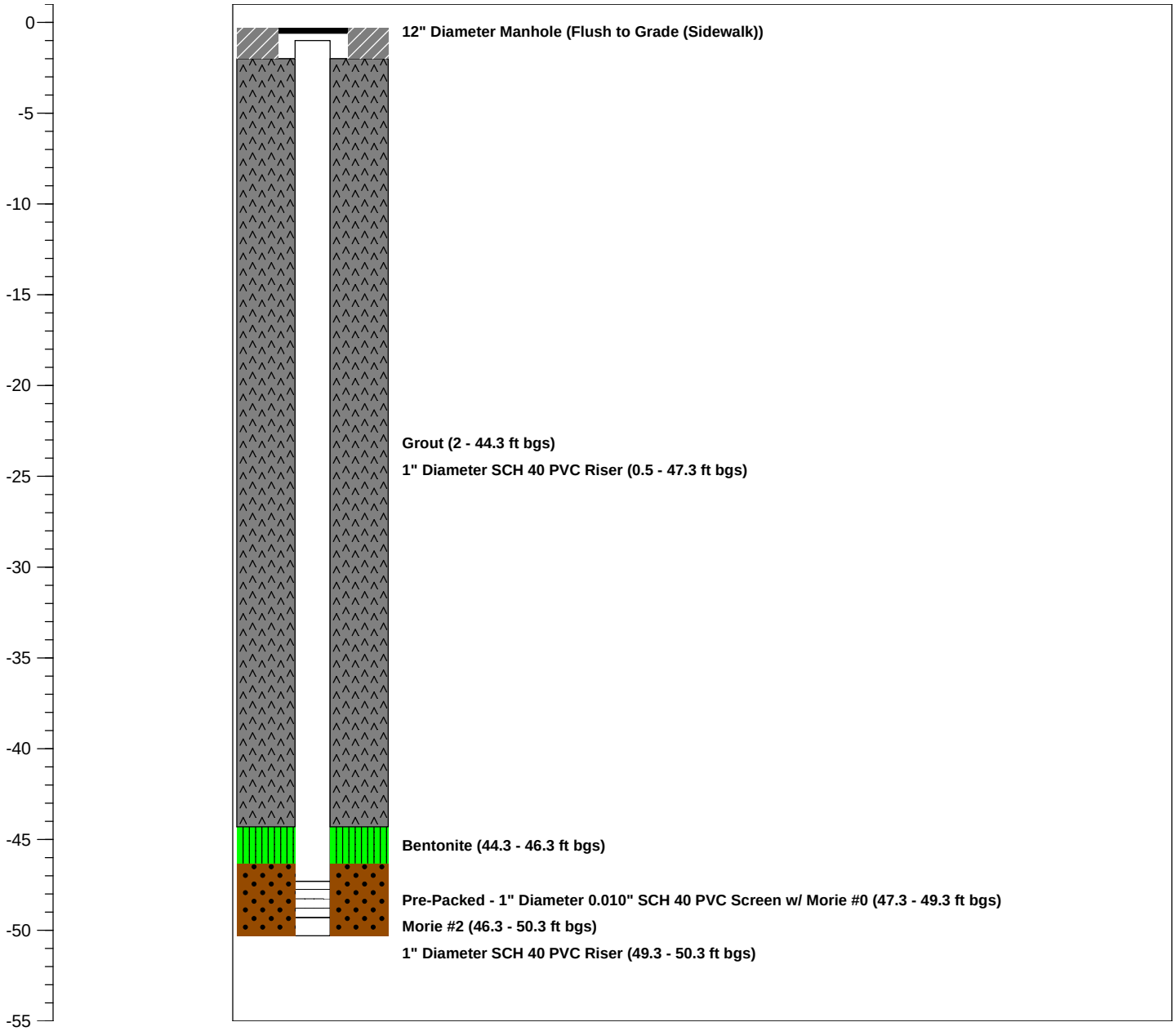
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**50.3'**	WELL NO.:	**OW-1-36S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/30/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

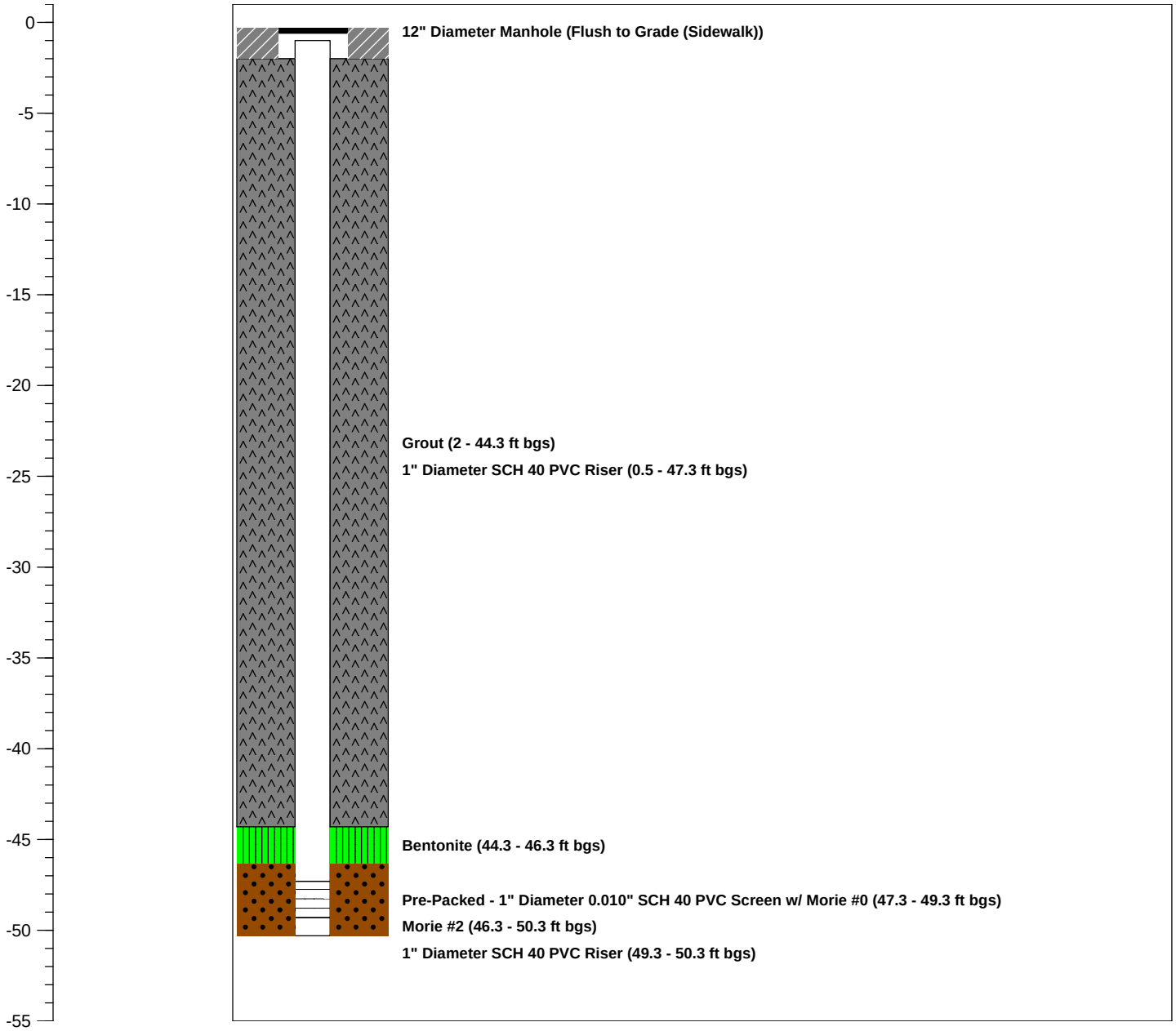
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**50.3'**	WELL NO.:	**OW-1-35S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/30/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

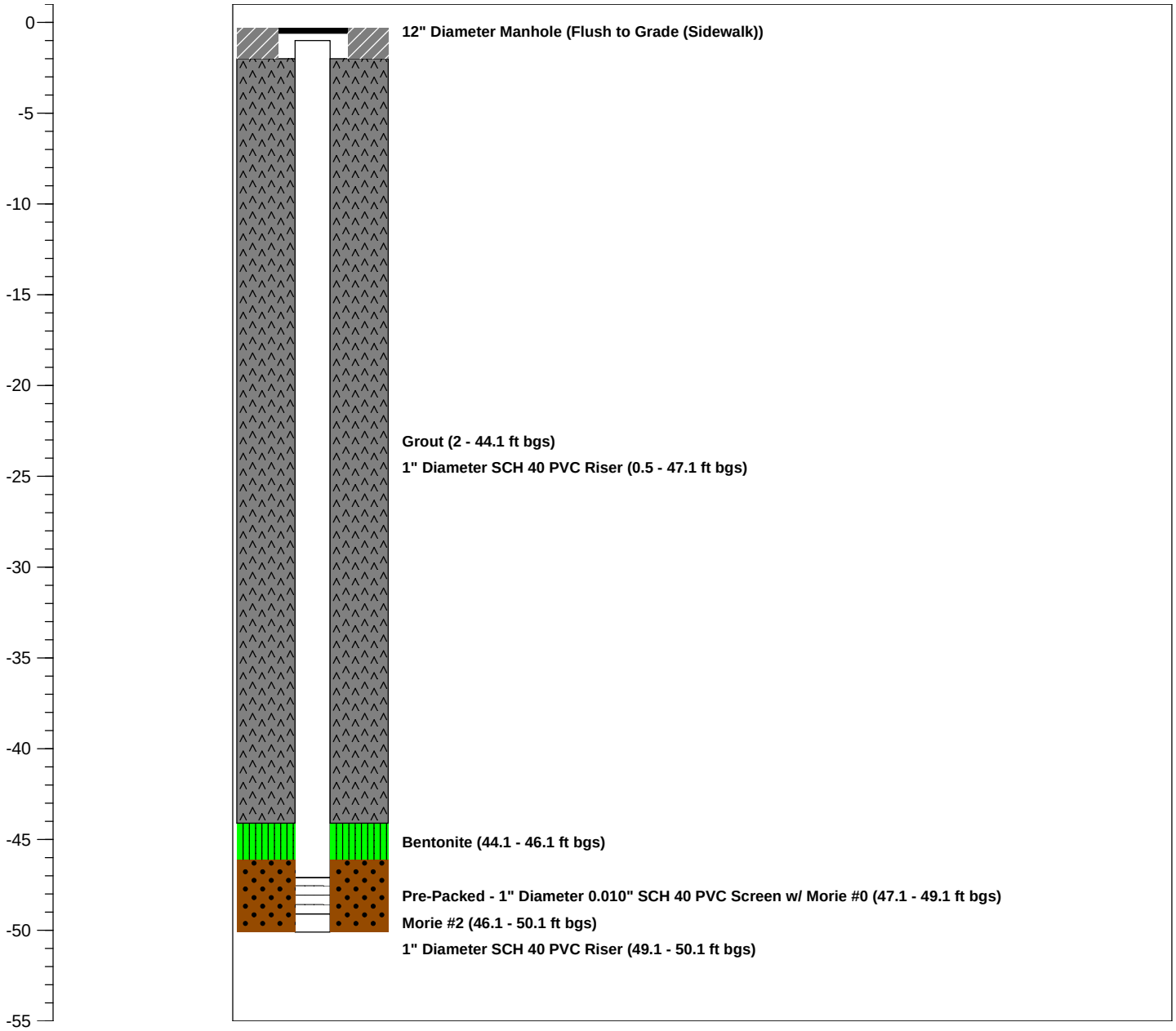
TOTAL DEPTH: **50.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-34S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/30/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

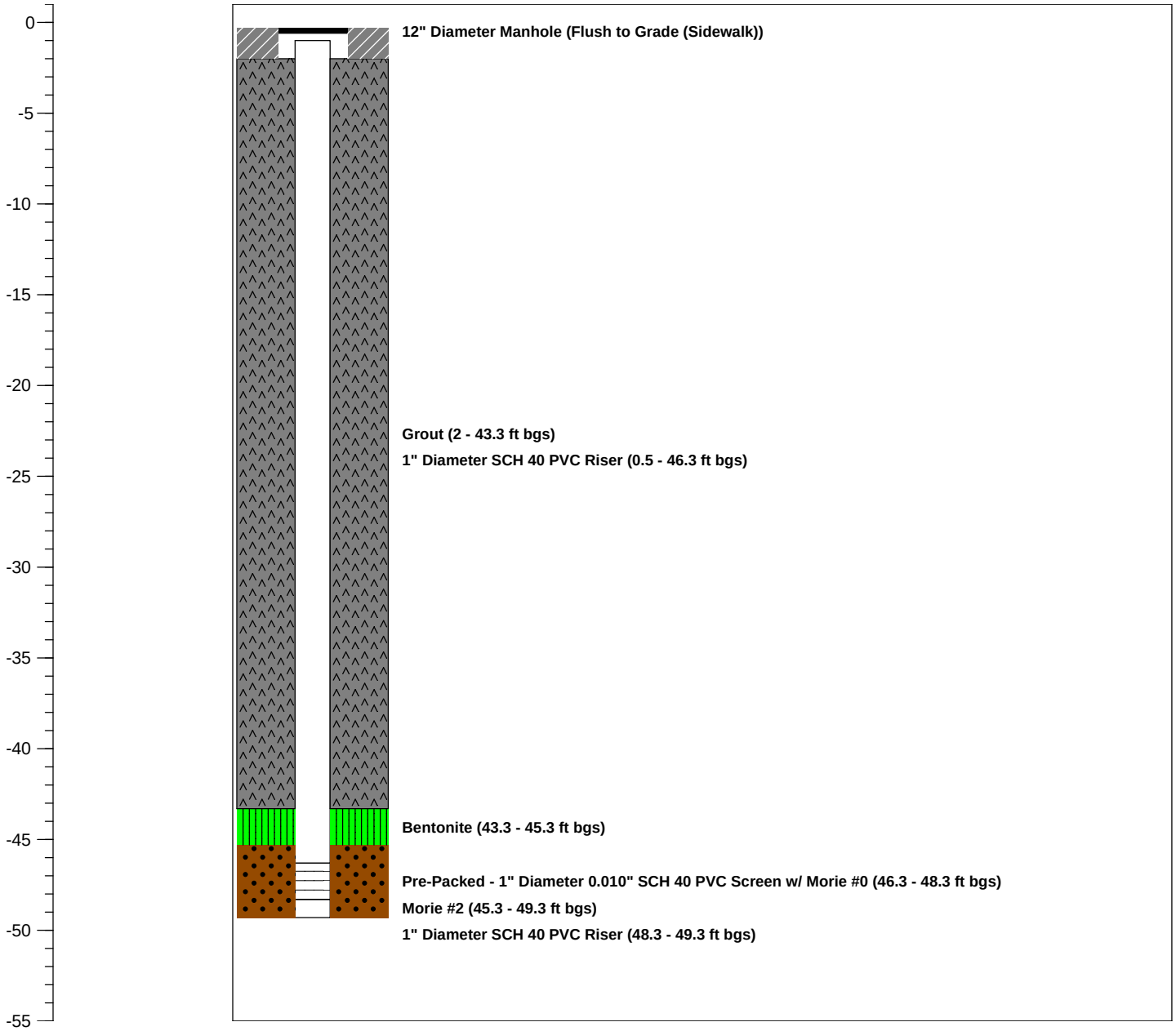
TOTAL DEPTH: **49.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-31S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/30/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

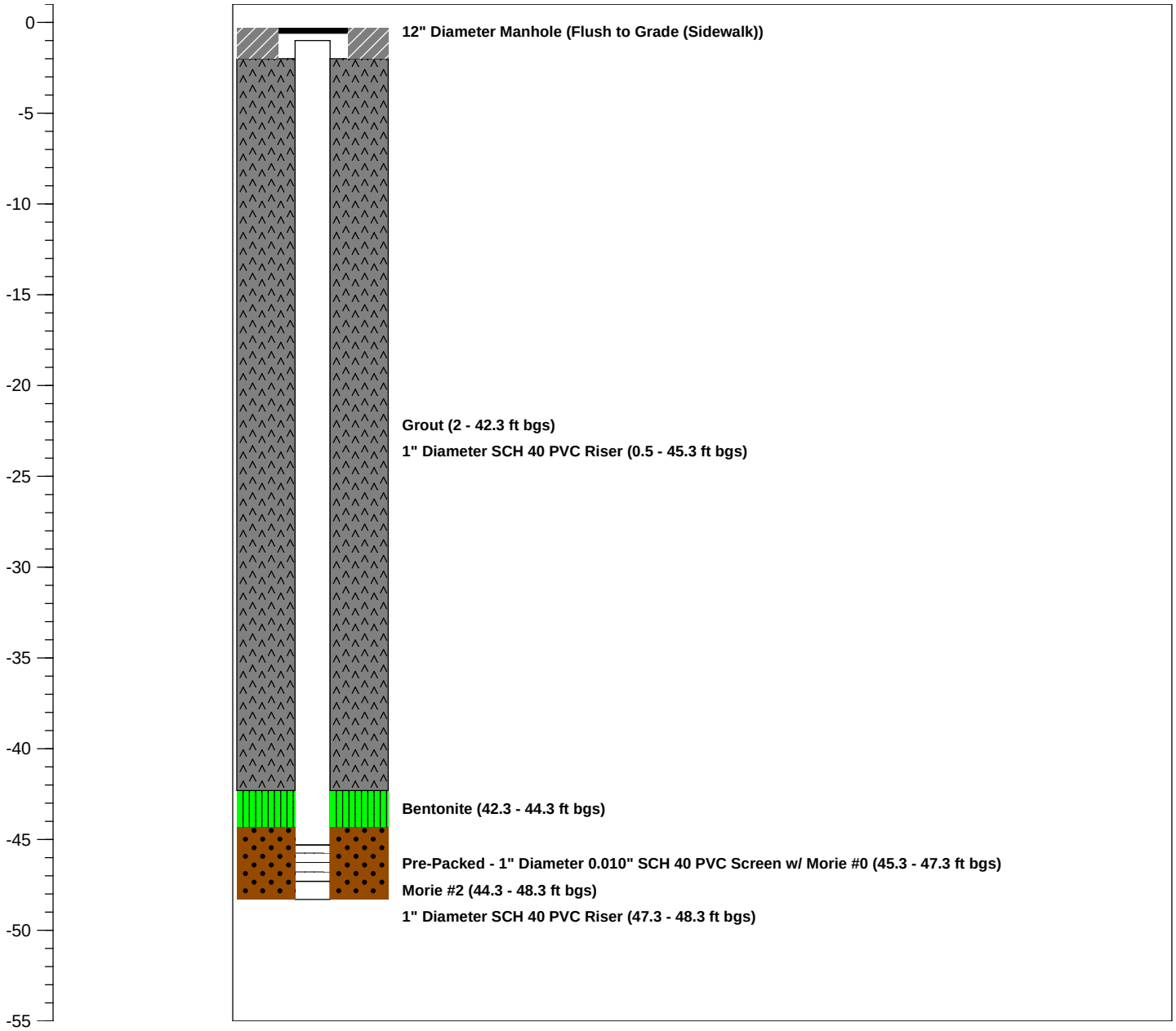
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.3'**	WELL NO.:	**OW-1-28S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/30/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 1, 2010
Weather Conditions:	Rain & Windy, ~40° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan	F&N	
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
John Marchetti	F&N	Support Truck
Mike Ryan Jr	F&N	Dump Truck
George Brunquell	F&N	
Joe Palmeri	F&N	
Charlie Guzzardo	F&N	
Barry Rummell	Glacier	Drill Support Truck & Geoprobe 8040
Marvin Bell	Glacier	

Detailed Summary of Work Performed

Utilized backhoe to grade the LIRR right of way area where System #1 will be placed. Continued to compact RCA on the newly created roadway. Sawcut and removed asphalt to prepare for the injection points to be drilled. Precleared two (2) injection points and two (2) monitoring points to 5 feet bgs. Mobilized GeoProbe 8040 & GeoProbe 7720 to site and installed two (2) injection points (OW-1-32S, OW-1-33S) to depths of 49.3 feet bgs and 49.7 feet bgs respectively. Installed two (2) monitoring points (OW-1-4S, OW-1-4D) to depths of 52.0 feet bgs and 69.0 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Reviewed concrete demolition JSA, proper use of PPE, discussed overhead and underground utility lines & safety. Discussed slip, trips and falls JSA due to rain and windy conditions.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

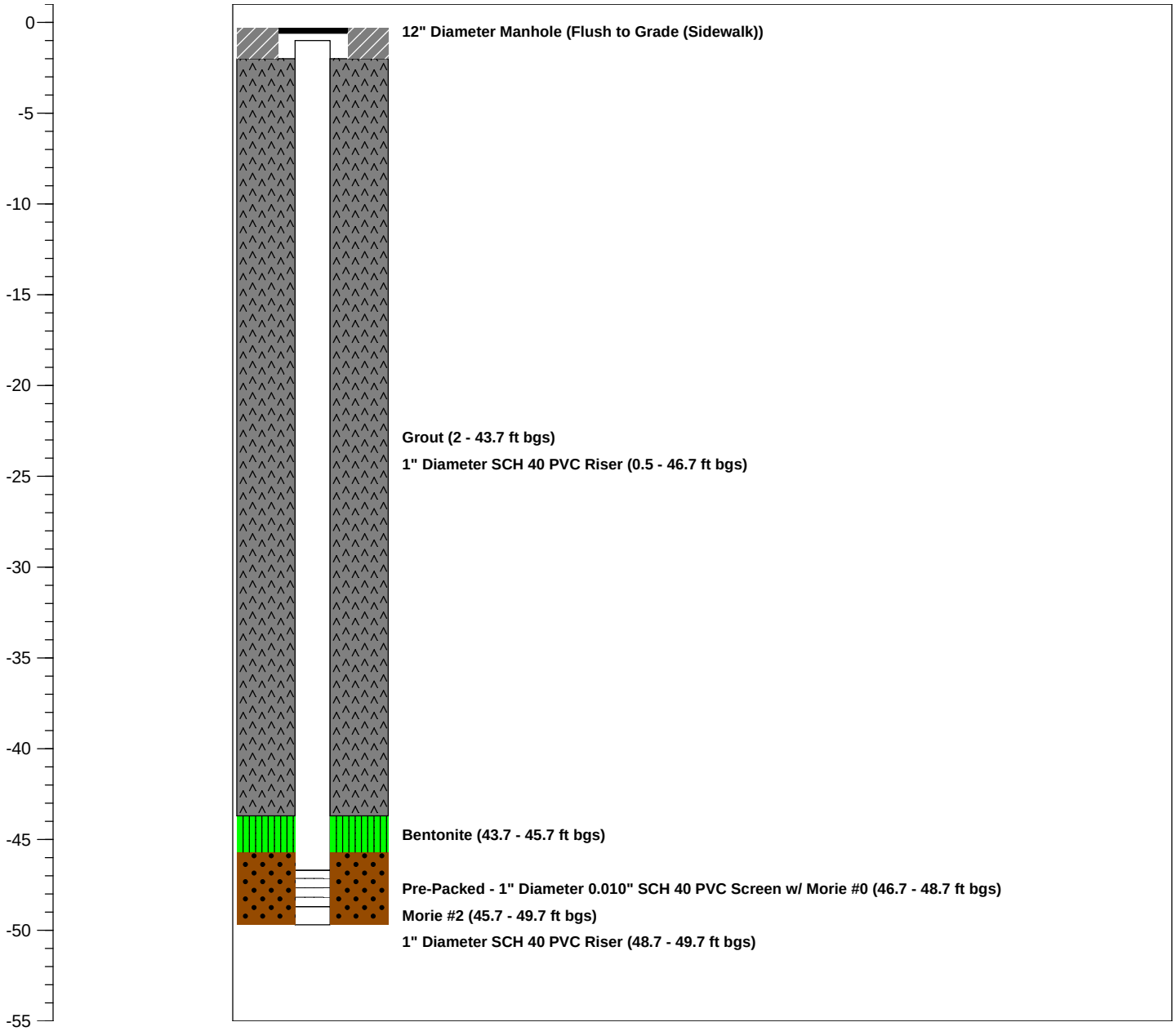
TOTAL DEPTH: **49.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-33S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/1/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

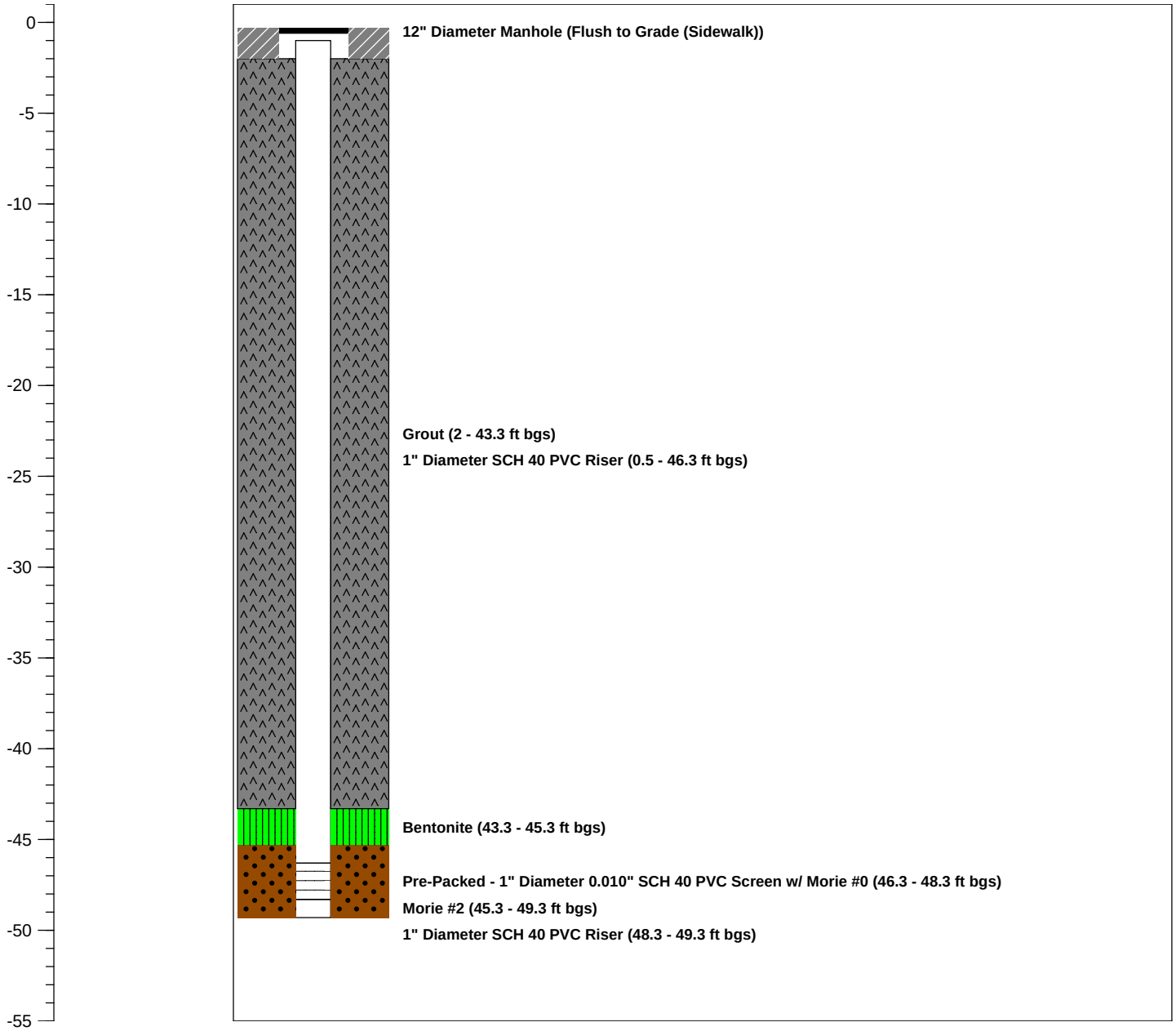
TOTAL DEPTH: **49.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-32S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/1/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

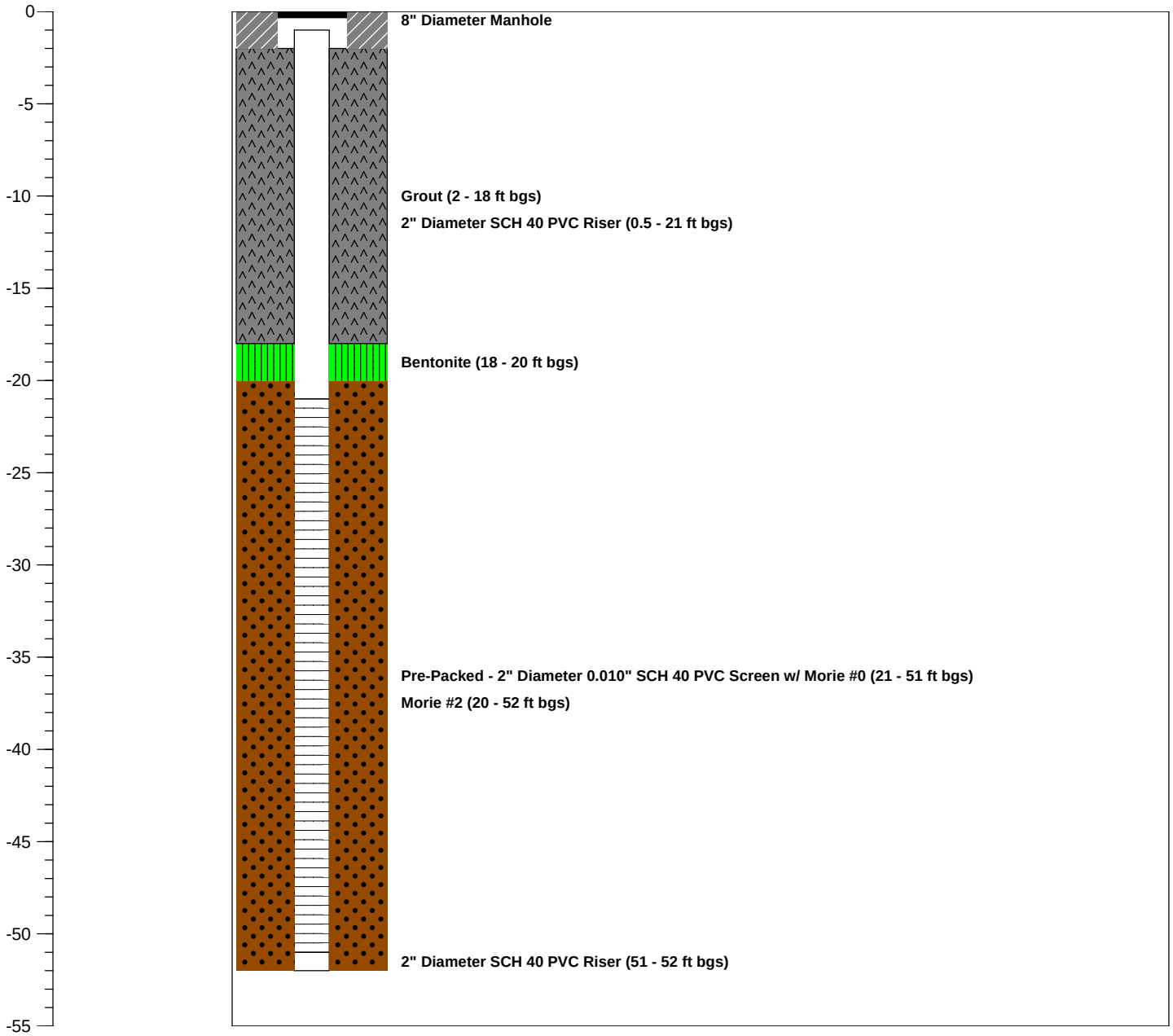
TOTAL DEPTH: **52'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **4.5"**

WELL NO.: **MP-1-4S**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: **-**
Dates Drilled: **12/1/10**
Driller: **Barry Rummell**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

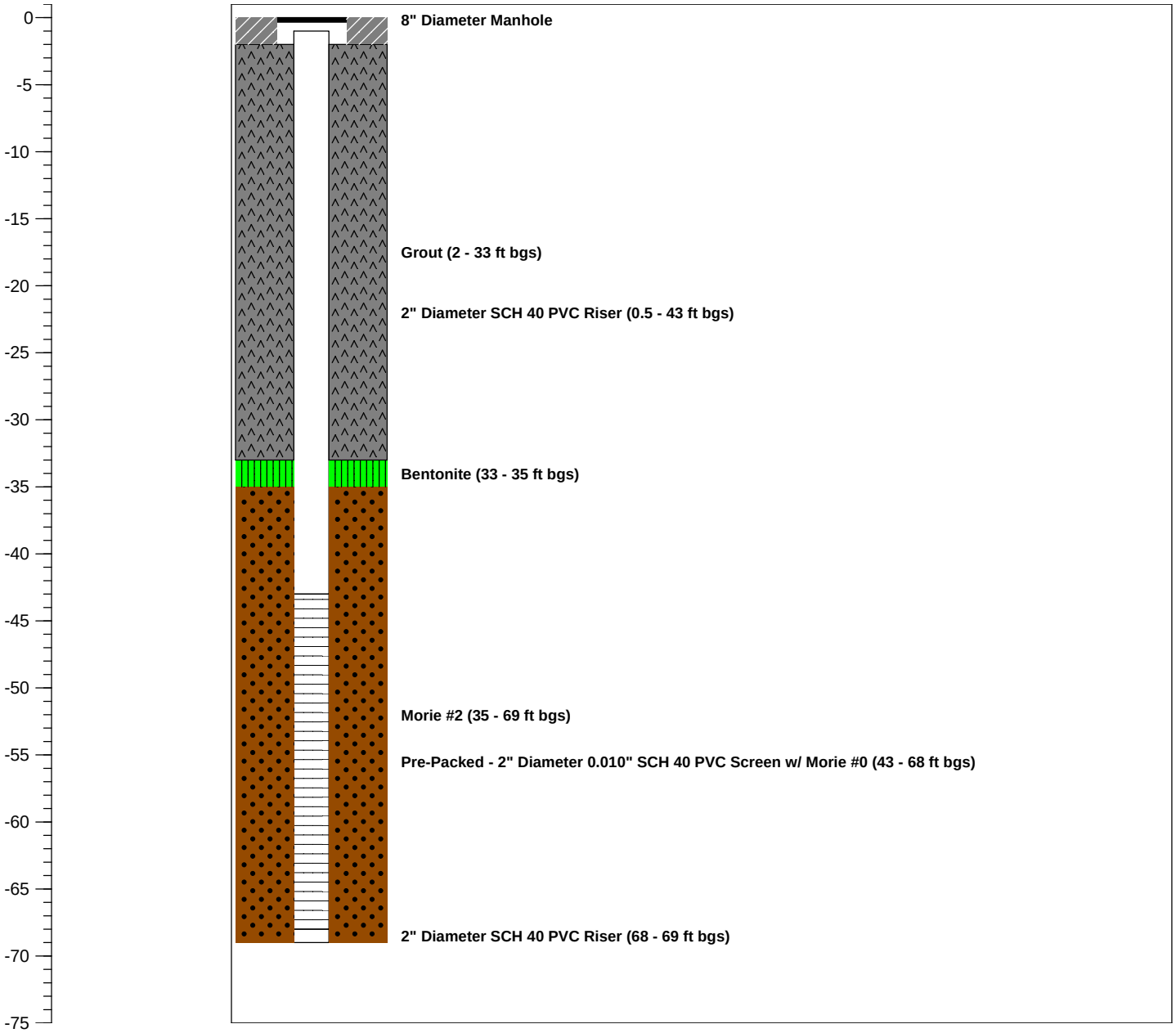
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**69.0'**	WELL NO.:	**MP-1-4D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**4.5"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/1/10**	Sampling Method:	-
Driller:	**Barry Rummell**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 2, 2010
Weather Conditions:	Clear & Sunny, ~35-40° F
Hours of Operation:	7:00 AM to 4:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan	F&N	Support Truck
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Mike Ryan Jr	F&N	Dump Truck
Joe Palmeri	F&N	
Barry Rummell	Glacier	Drill Support Truck & Geoprobe 8040
Marvin Bell	Glacier	

Detailed Summary of Work Performed

Precleared four (4) injection points and one (1) monitoring point to 5 feet bgs. Mobilized GeoProbe 8040 & GeoProbe 7720 to site and installed four (4) injection points (OW-1-20S, OW-1-21S, OW-1-24D, OW-1-24S) to depths of 49.3 feet bgs, 49.3 feet bgs, 78.2 feet bgs and 48.4 feet bgs respectively. Installed one (1) monitoring point (MP-1-3S) to depths of 49.3 feet bgs.

Health & Safety

Tailgate Meeting	Observations
Reviewed concrete demolition JSA, proper use of PPE, discussed overhead and underground utility lines & safety. Dicussed proper housekeeping of equipment and work area for safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

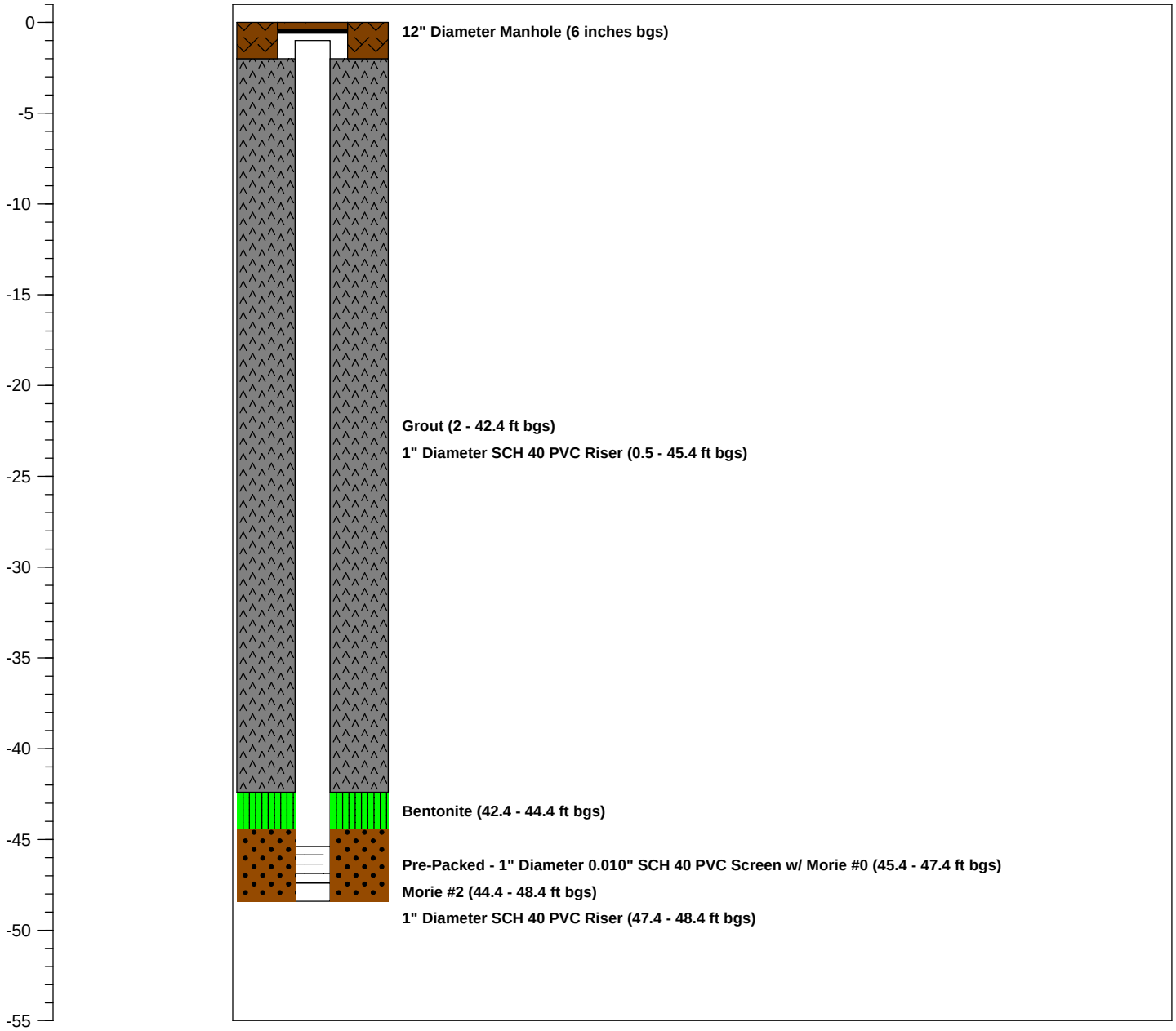
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.4'**	WELL NO.:	**OW-1-24S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/2/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

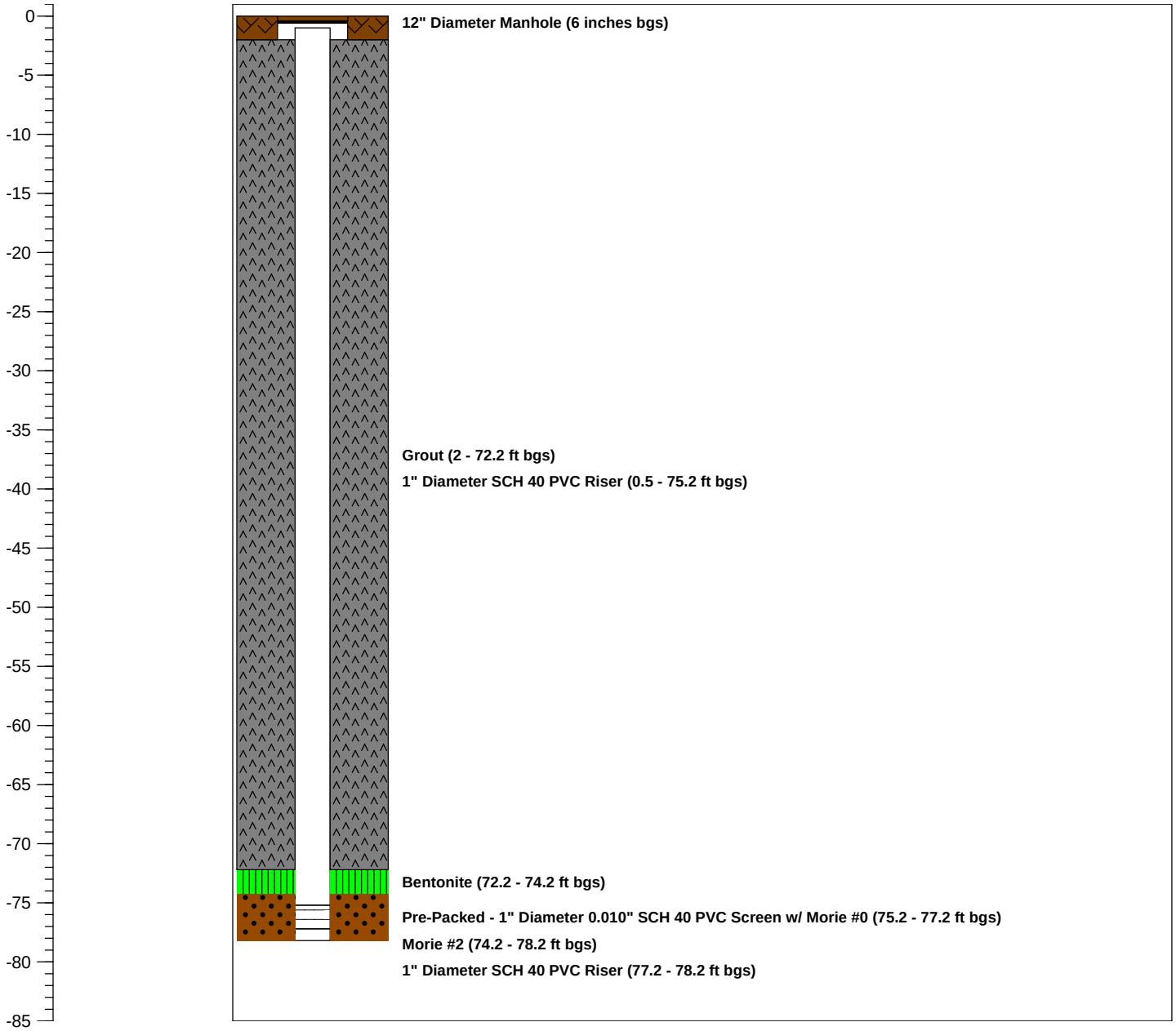
TOTAL DEPTH: **78.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-24D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/2/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

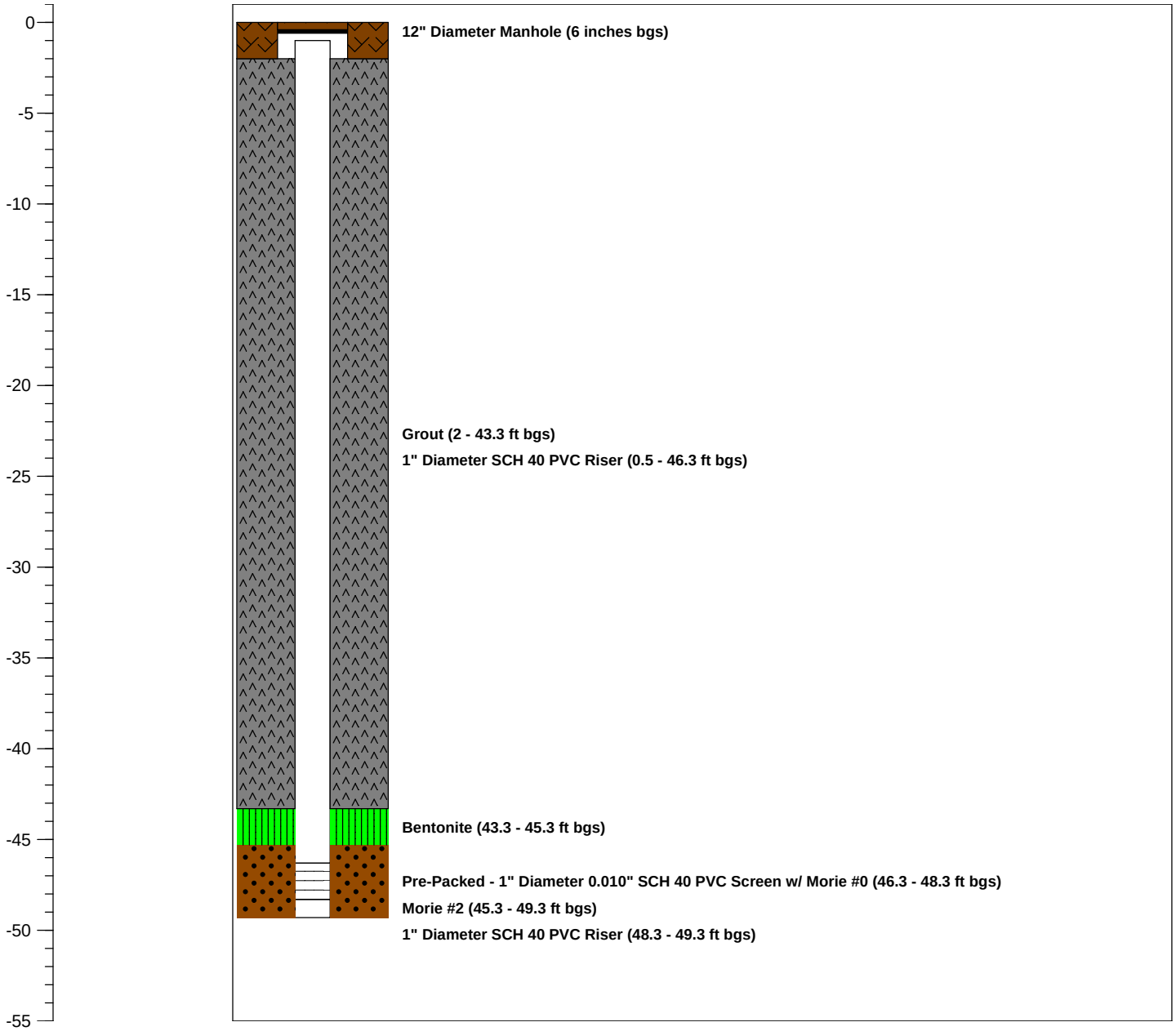
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**49.3'**	WELL NO.:	**OW-1-21S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/2/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

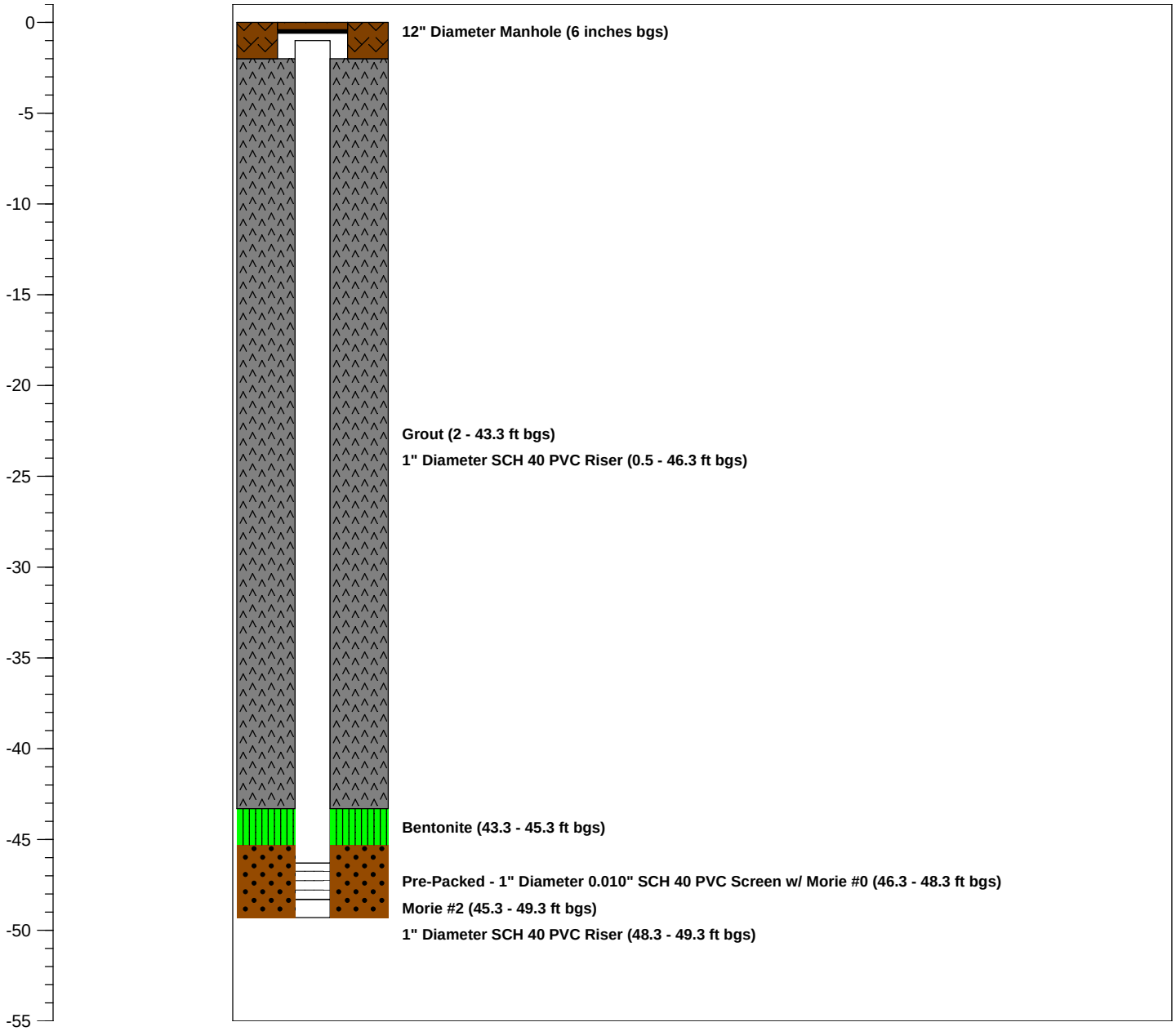
TOTAL DEPTH: **49.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-20S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/2/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

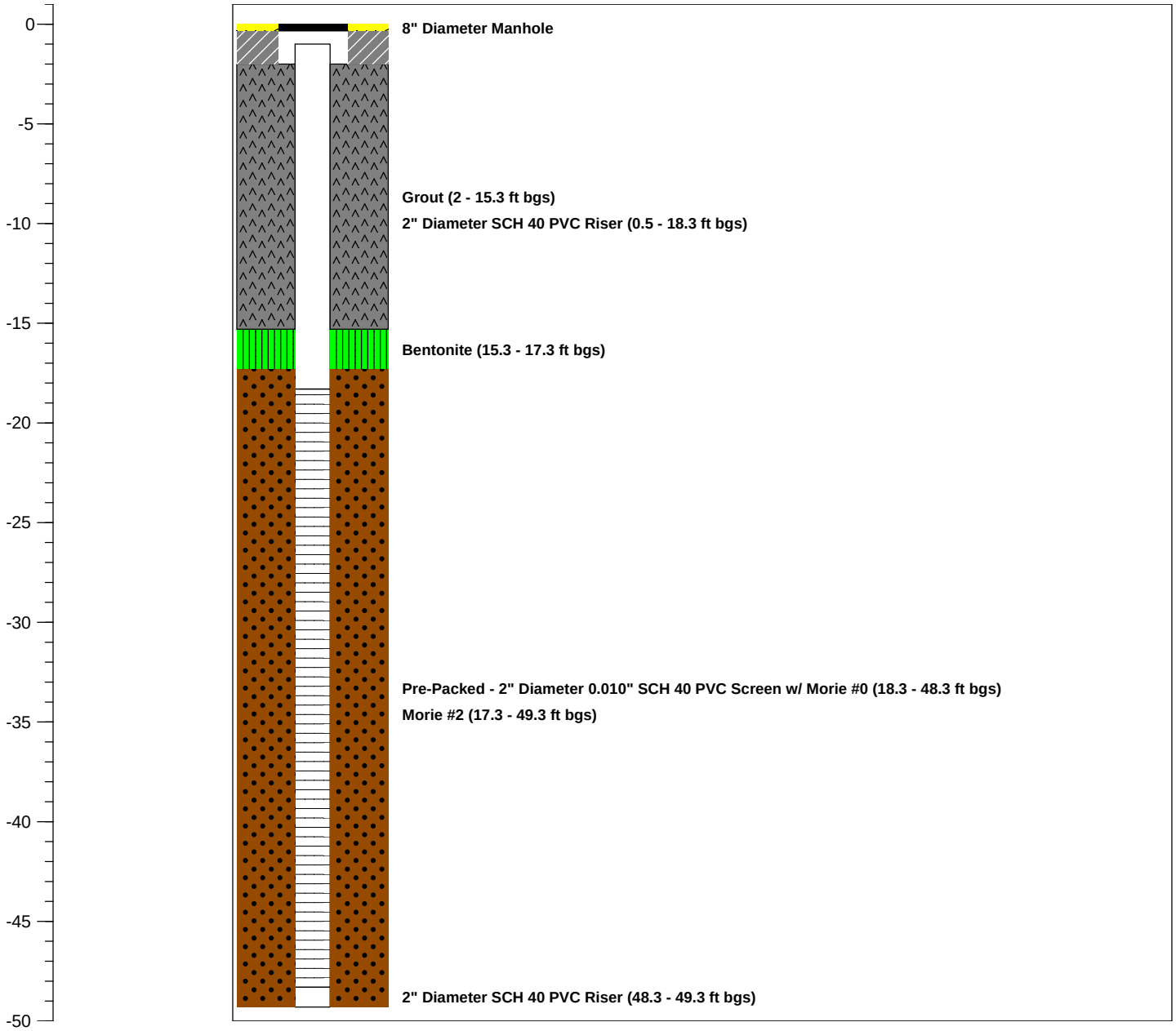
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**49.3'**	WELL NO.:	**MP-1-3S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**4.5"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/2/10**	Sampling Method:	-
Driller:	**Barry Rummell**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: **The hole was advanced to the target depth using 4.5 inch casing with a disposable point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.**

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 3, 2010
Weather Conditions:	Clear, ~40° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Ryan	F&N	Support Truck
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Mike Ryan Jr	F&N	
Joe Palmeri	F&N	Dump Truck
Barry Rummell	Glacier	Drill Support Truck & Geoprobe 8040
Marvin Bell	Glacier	

Detailed Summary of Work Performed

Cut down existing 6' chain link fence and installed two section temp fence by Atlantic Avenue. Lined fence with filter fabric and installed chains and locks to provide security. Installed orange safety fence along trench area for safety. Precleared five (5) injection points to 5 feet bgs. Mobilized GeoProbe 8040 & GeoProbe 7720 to site and installed five (5) injection points (OW-1-18S, OW-1-19S, OW-1-9D, OW-1-9S, OW-1-8S) to depths of 50.2 feet bgs, 49.7 feet bgs, 88.5 feet bgs, 66.0 feet bgs and 66.7 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Reviewed concrete demolition JSA, proper use of PPE, discussed overhead and underground utility lines & safety. Reviewed slip, trips and falls JSA	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

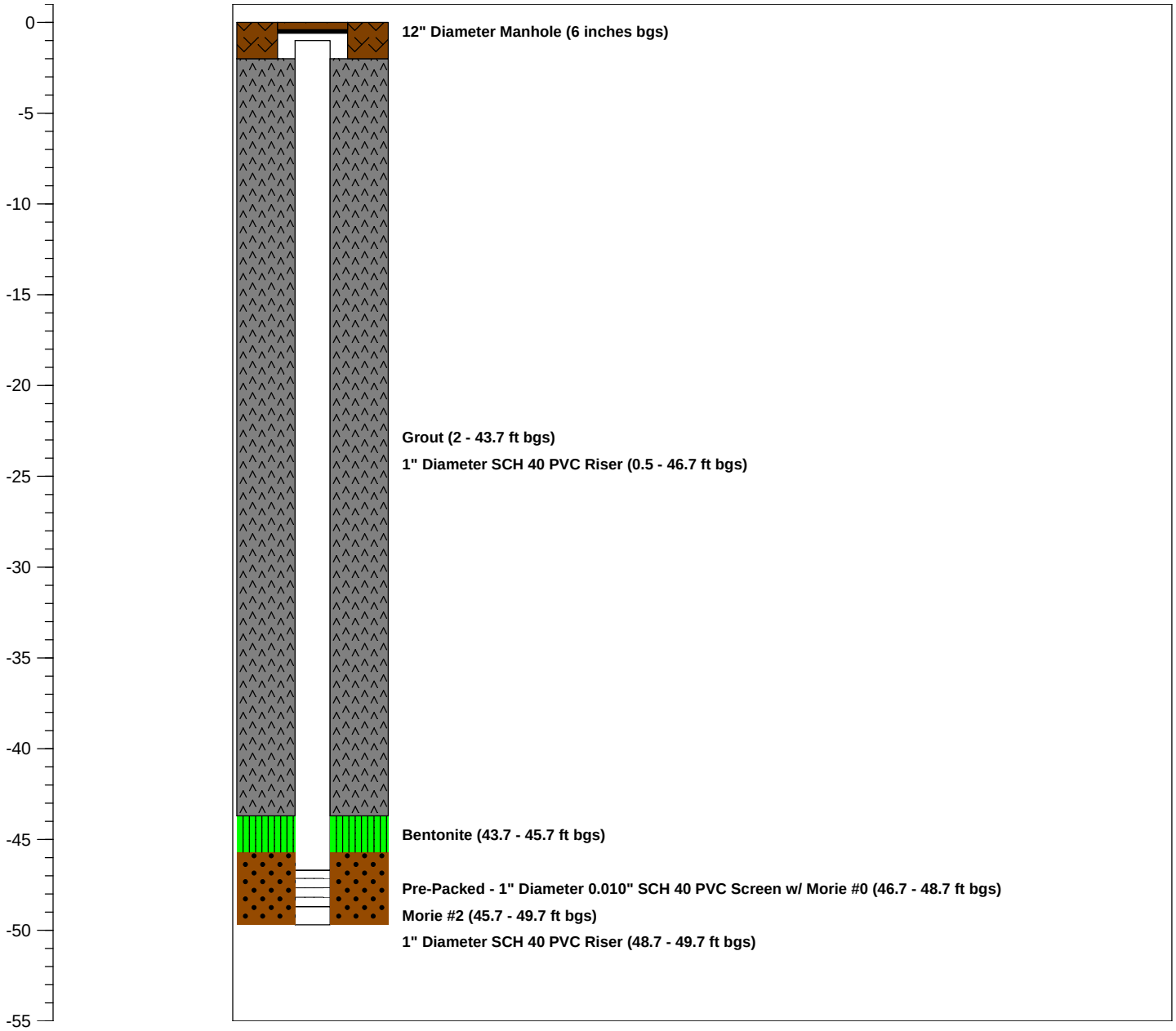
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**49.7'**	WELL NO.:	**OW-1-19S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/3/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

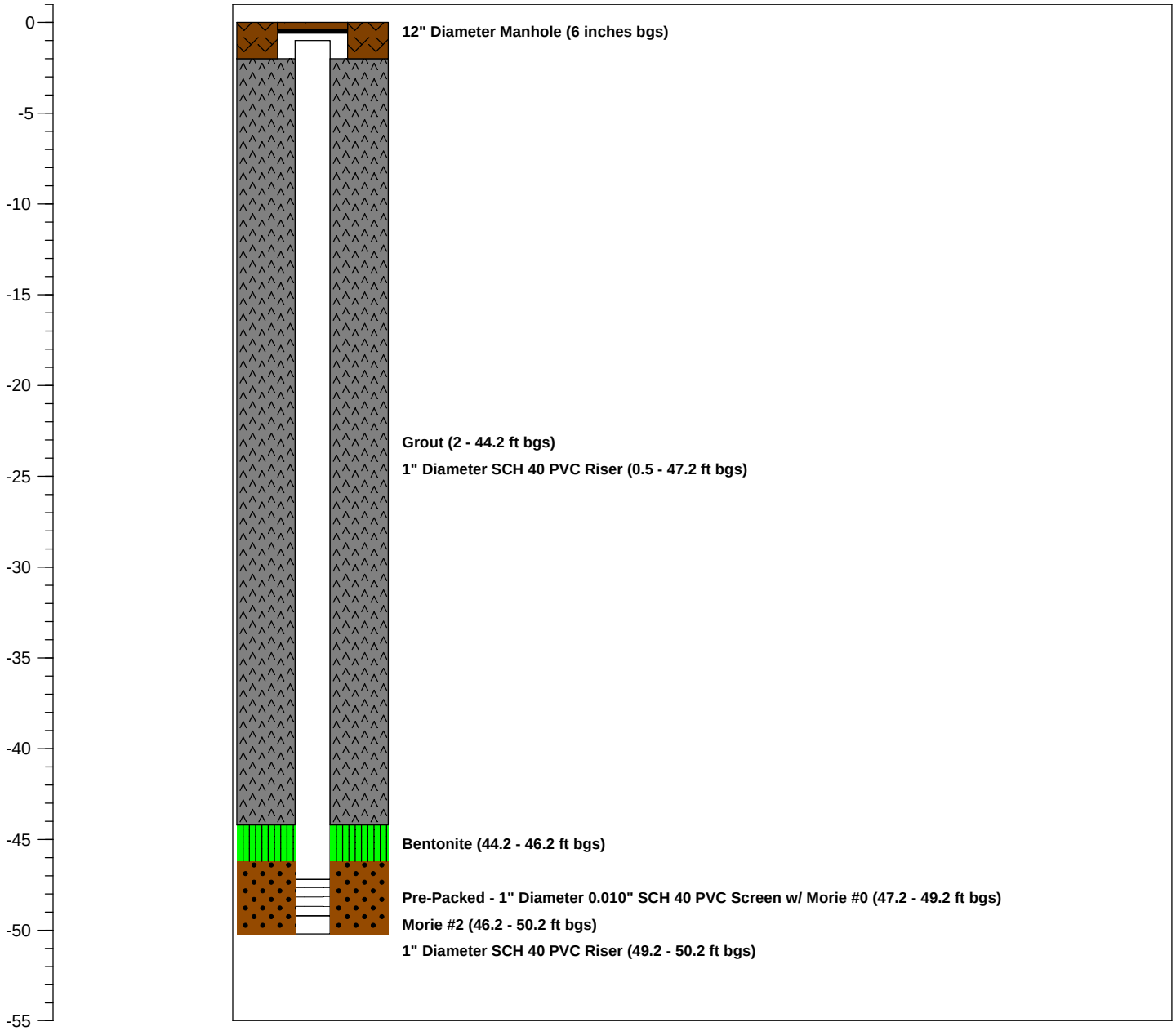
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**50.2'**	WELL NO.:	**OW-1-18S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/3/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

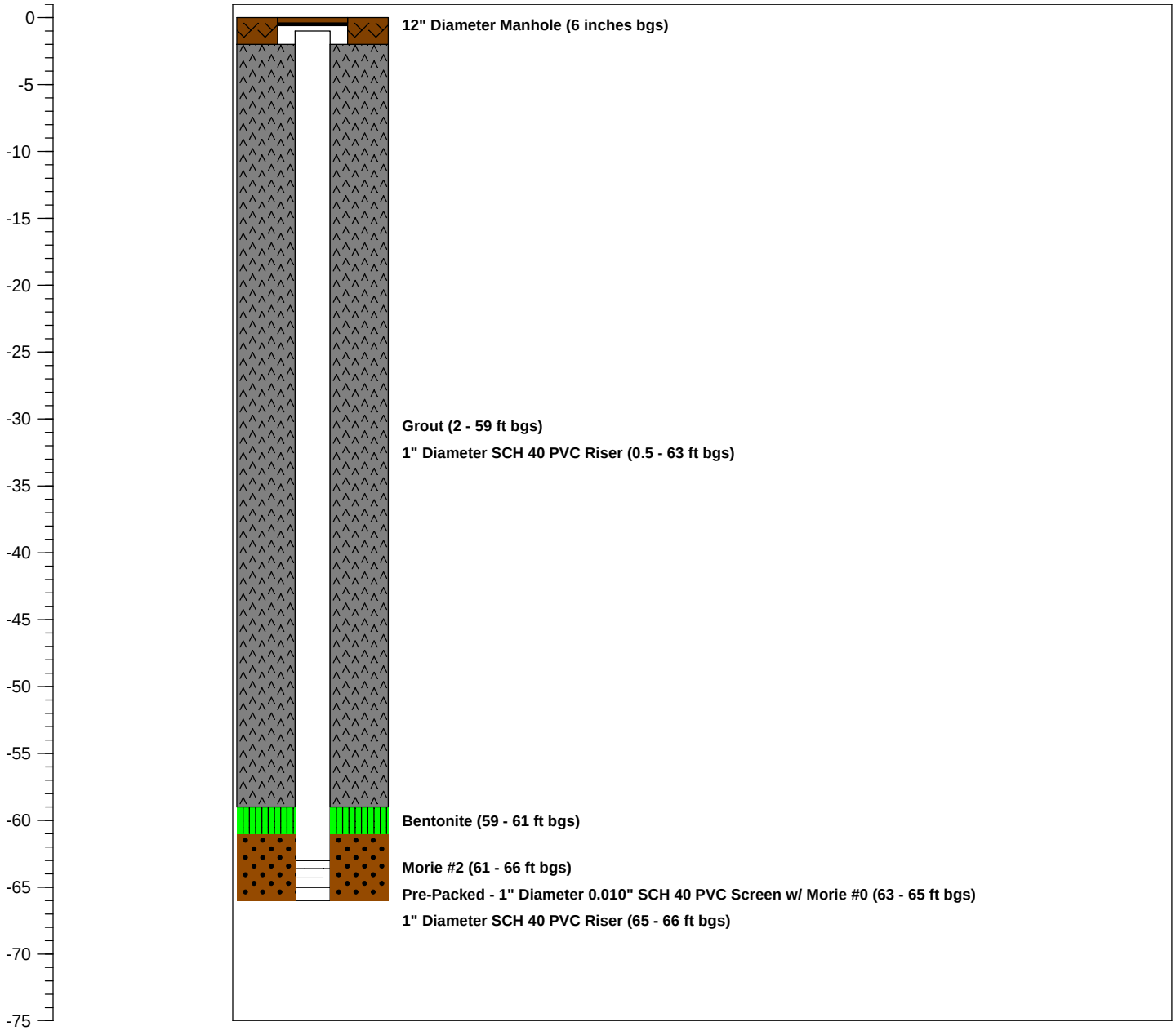
TOTAL DEPTH: **66.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-9S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/3/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

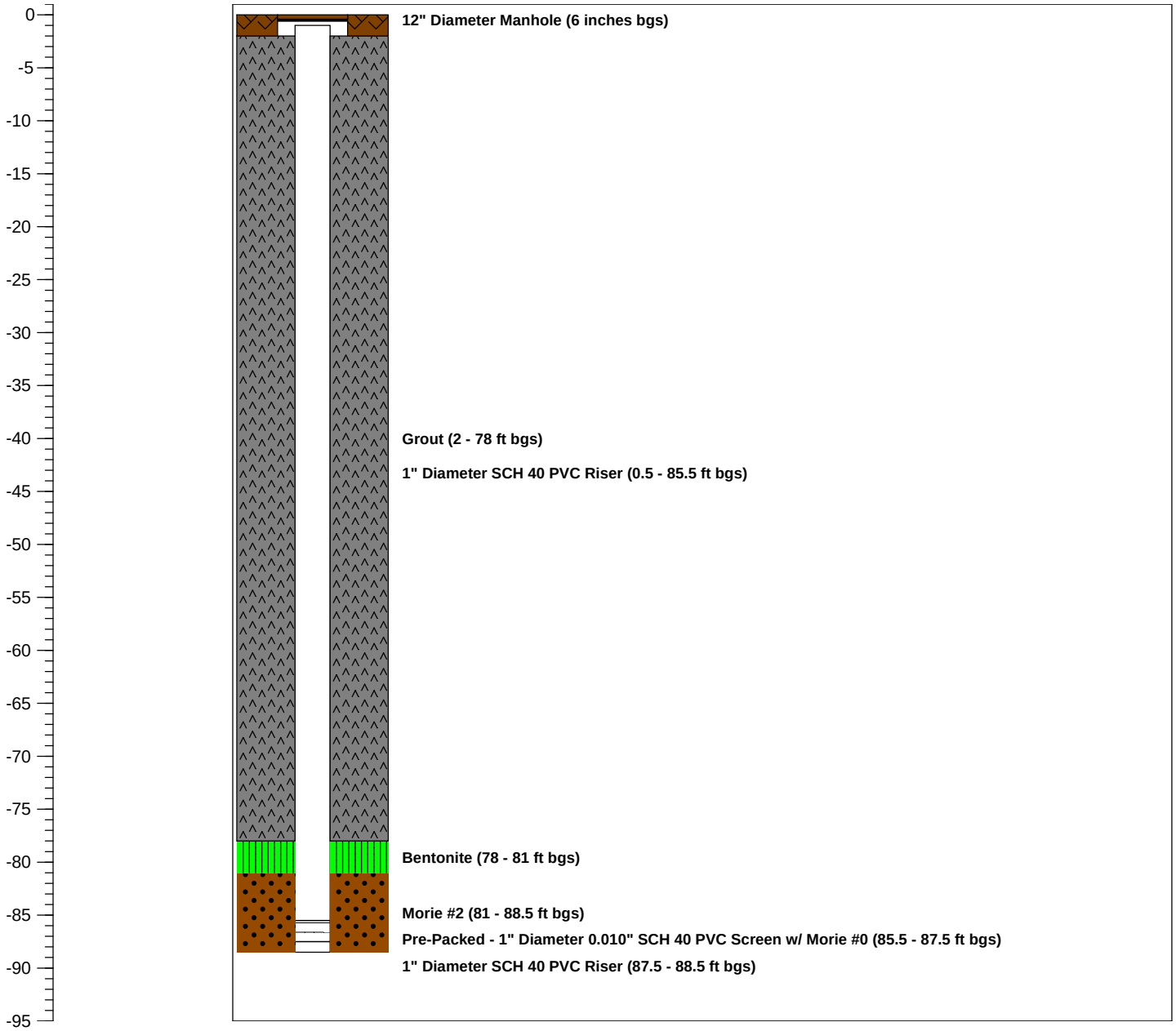
TOTAL DEPTH: **88.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-9D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/3/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

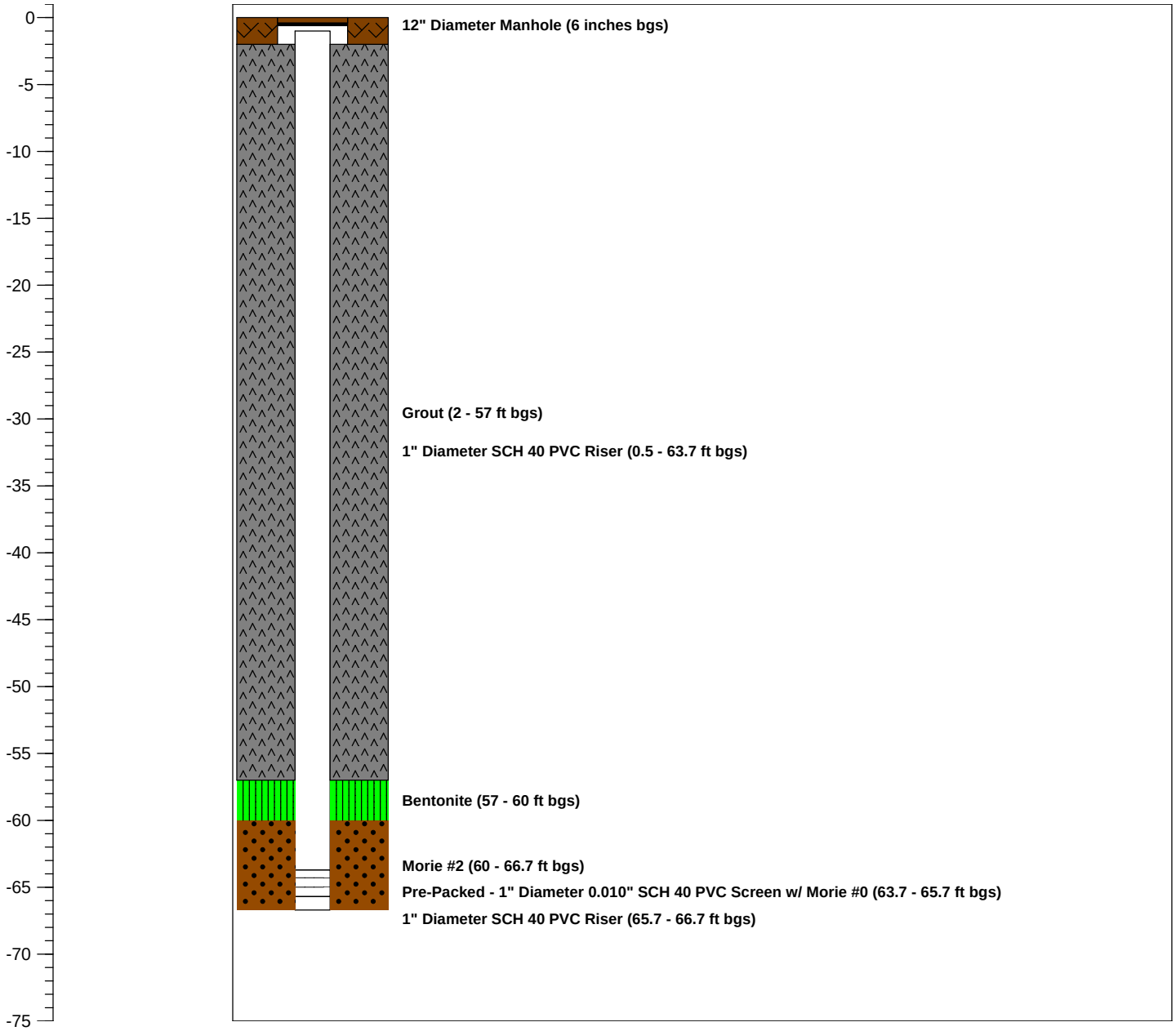
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**66.7'**	WELL NO.:	**OW-1-8S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/3/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 6, 2010
Weather Conditions:	Overcast w/ Occasional Flurries, ~30° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Megan Dascoli	URS	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Ryan	F&N	Support Truck
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Mike Ryan Jr	F&N	
Joe Palmeri	F&N	Dump Truck
Barry Rummell	Glacier	Drill Support Truck & Geoprobe 8040
Marvin Bell	Glacier	

Detailed Summary of Work Performed

Broke up and removed sections of sidewak for preclearing and drilling. Transported all concrete debris to the Intersection Street staging yard. Cut 12" manholes to fit the injection wells. Precleared twelve (12) injection points to 5 feet bgs. Mobilized GeoProbe 8040 & GeoProbe 7720 to site and installed four (4) injection points (OW-1-23S, OW-1-22S, OW-1-8D, OW-1-7D) to depths of 48.8 feet bgs, 49.3 feet bgs, 89.6 feet bgs and 91.1 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Reviewed concrete demolition JSA, proper use of PPE, discussed overhead and underground utility lines & safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

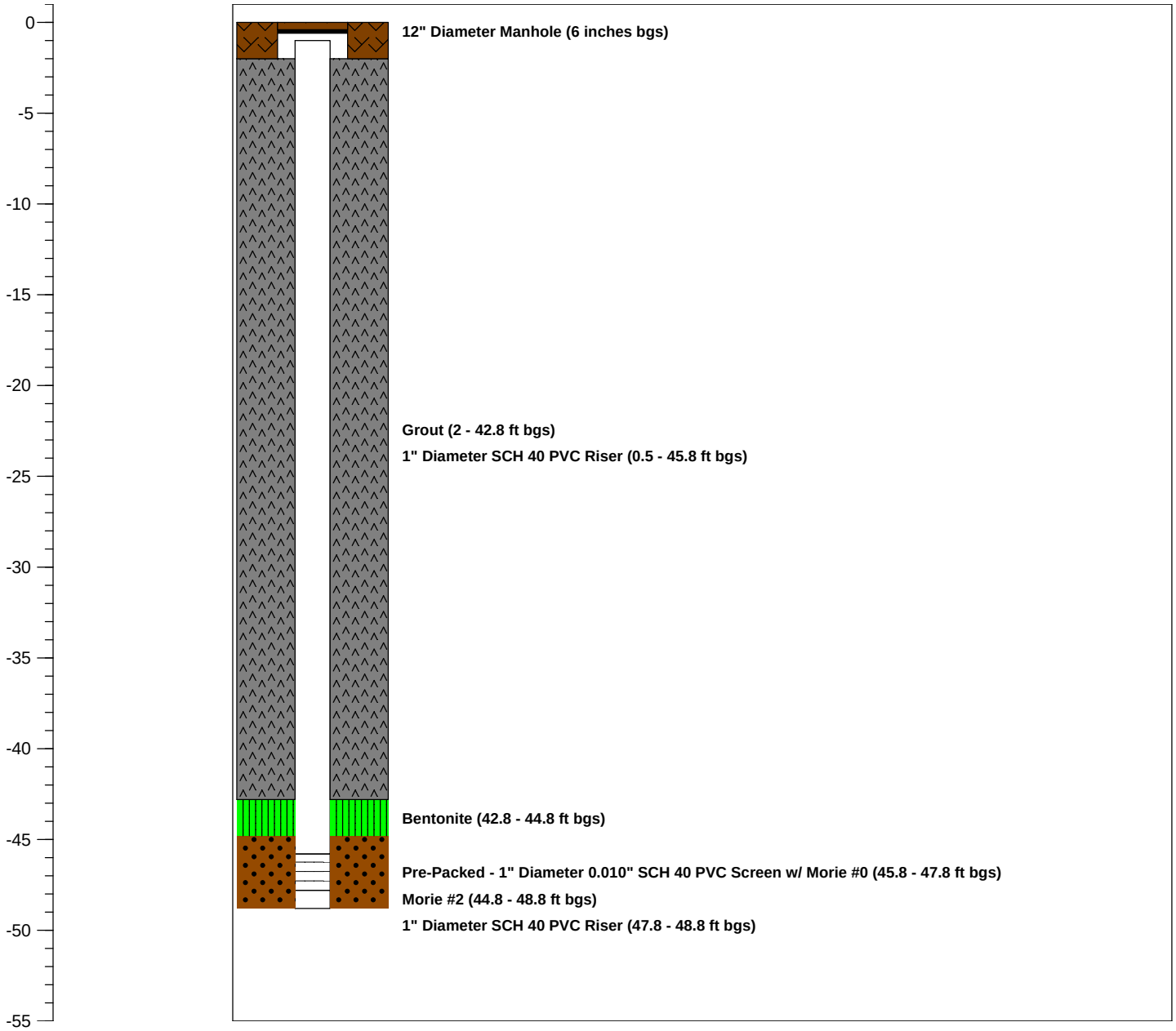
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.8'**	WELL NO.:	**OW-1-23S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/6/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

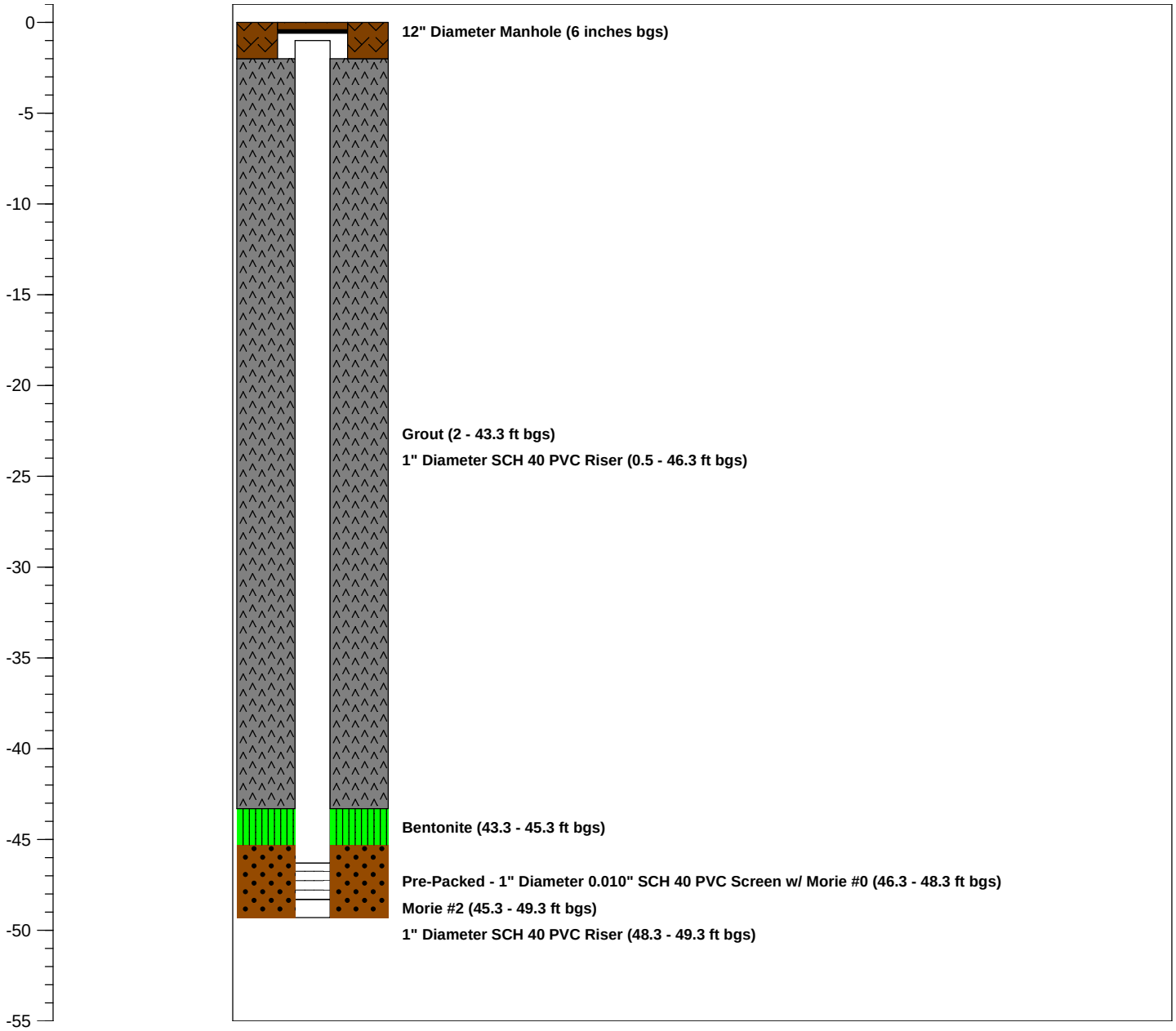
TOTAL DEPTH: **49.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-22S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/6/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

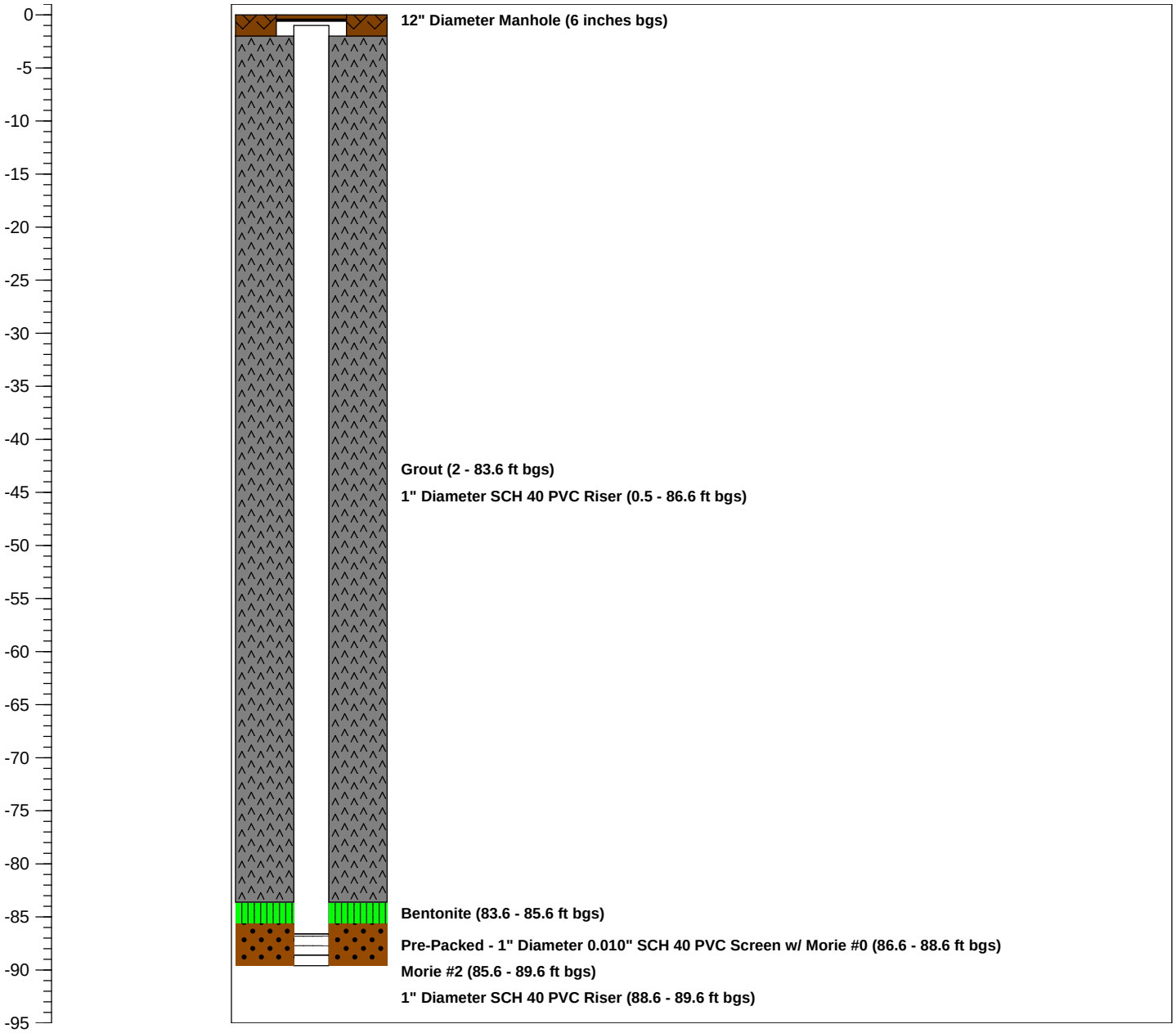
TOTAL DEPTH: **89.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-8D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/6/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

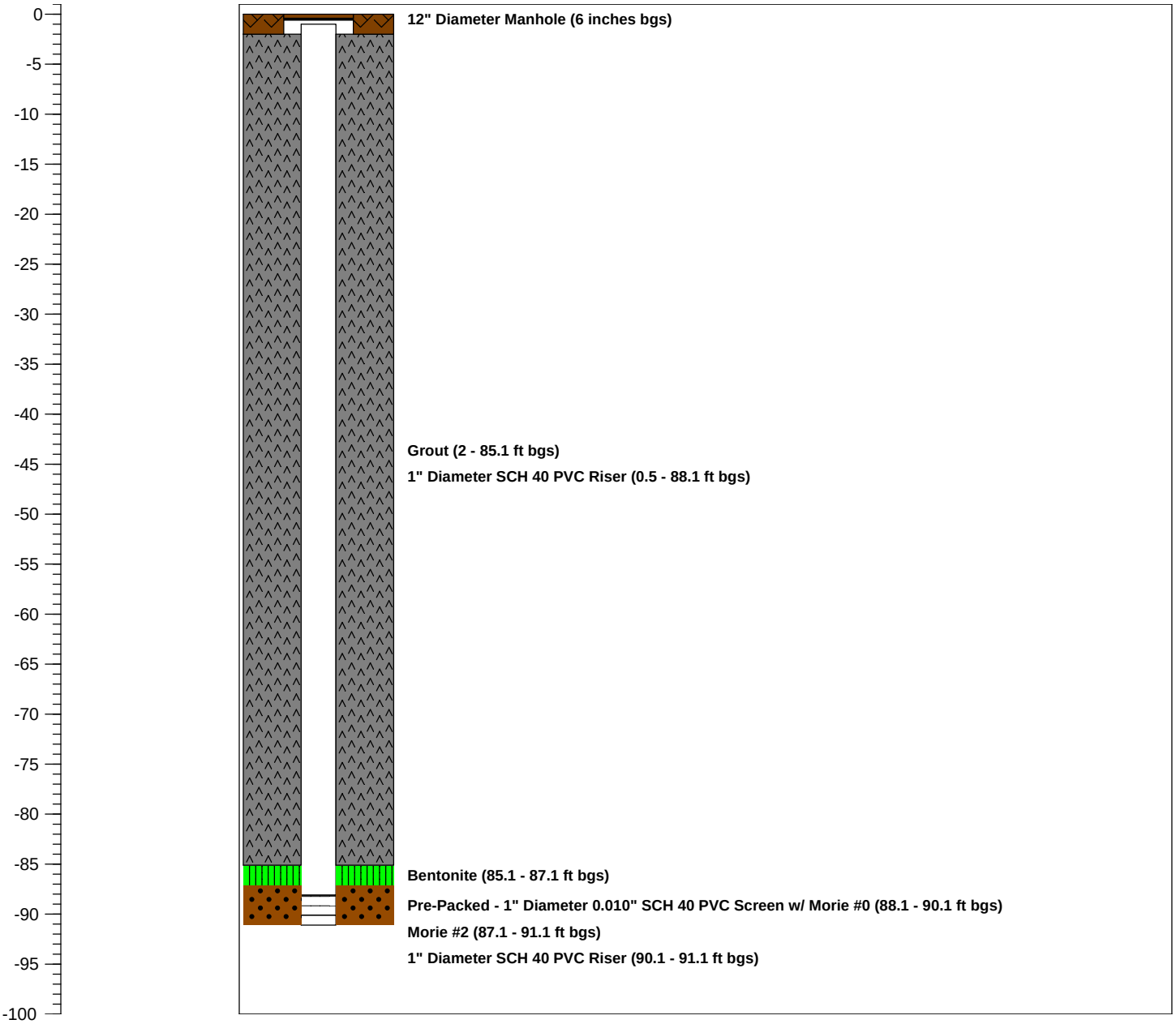
TOTAL DEPTH: **91.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-7D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/6/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 7, 2010
Weather Conditions:	Overcast, ~35° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan Sr.	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Mike Ryan Jr.	F&N	
Joe Palmeri	F&N	Dump Truck
Barry Rummel	Glacier	GeoProbe 8040
Lavelle Tatum	Glacier	

Detailed Summary of Work Performed

Utilized the backhoe and transported RCA to the temporary roadway constructed off Hilton Avenue to allow work vechile access. Cut manholes to fit the trench and installed ball valves and tees on injection wells. Mobilized GeoProbe 7720 & GeoProbe 8040 to site and installed six (6) injection points (OW-1-15S, OW-1-16S, OW-1-17S, OW-1-6S, OW-1-6D, OW-1-7S) to depths of 52.2 feet bgs, 51.8 feet bgs, 50.7 feet bgs, 67.0 feet bgs, 92.4 feet bgs and 66.9 feet bgs.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

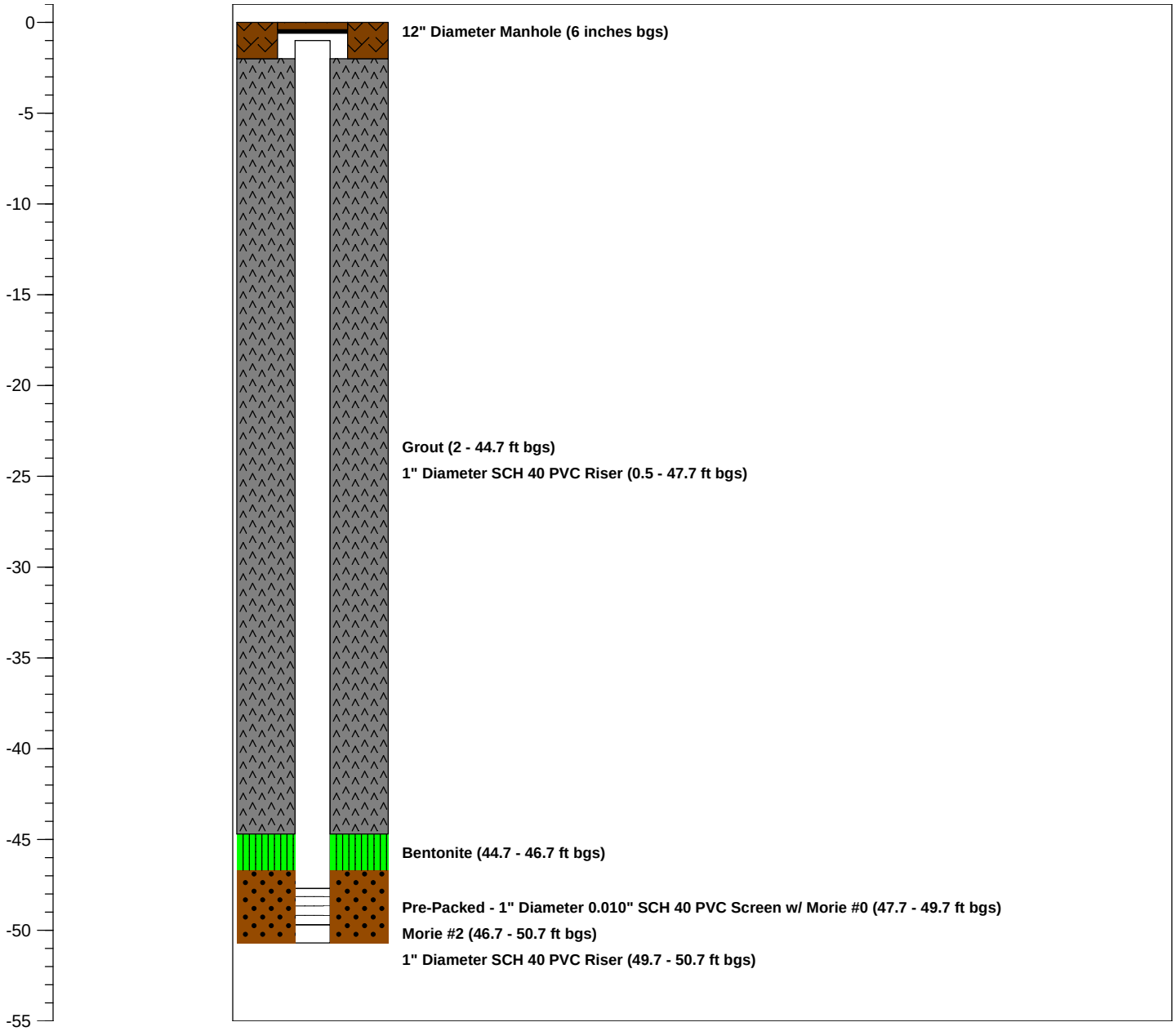
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**50.7'**	WELL NO.:	**OW-1-17S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/7/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

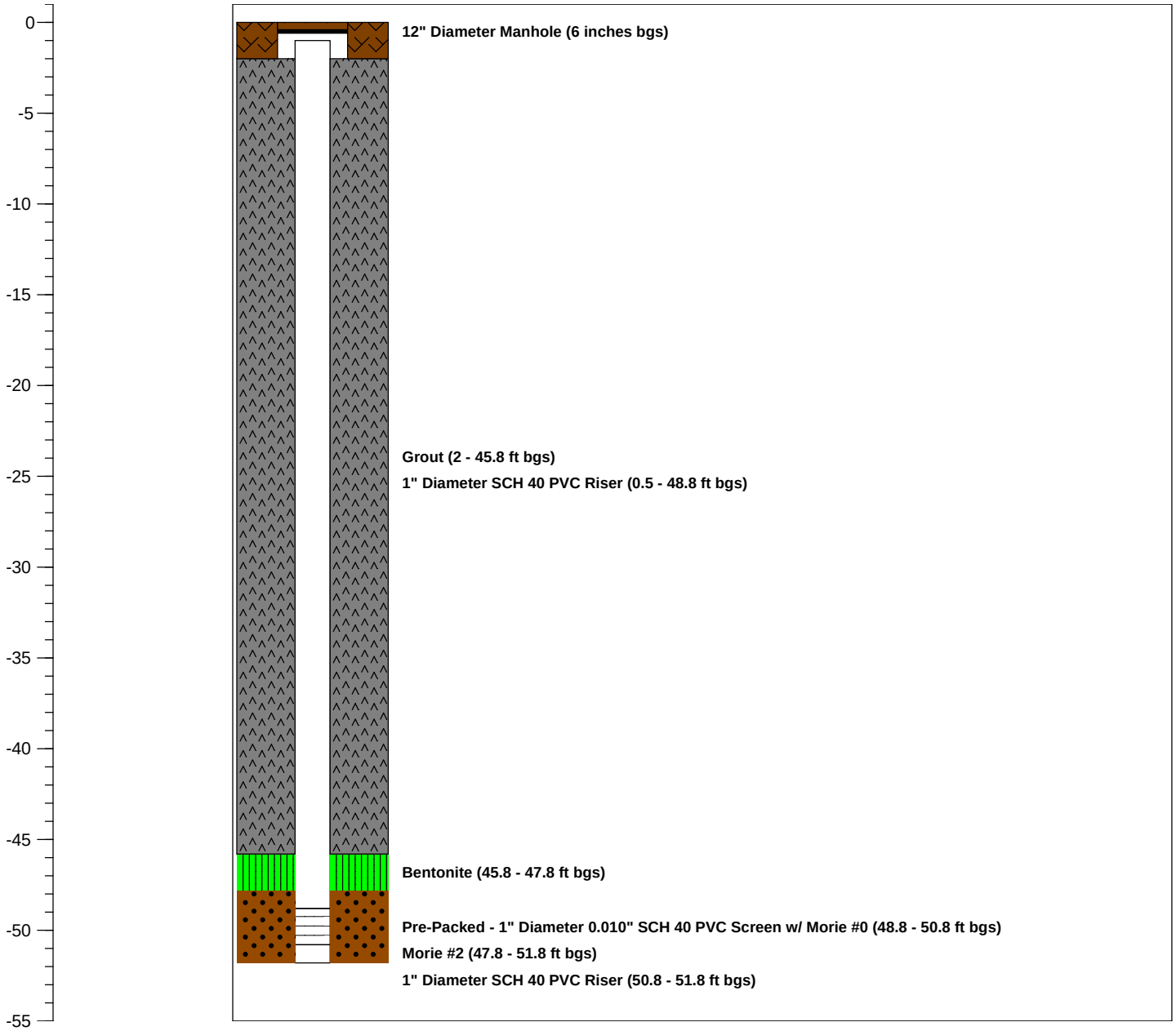
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**51.8'**	WELL NO.:	**OW-1-16S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/7/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

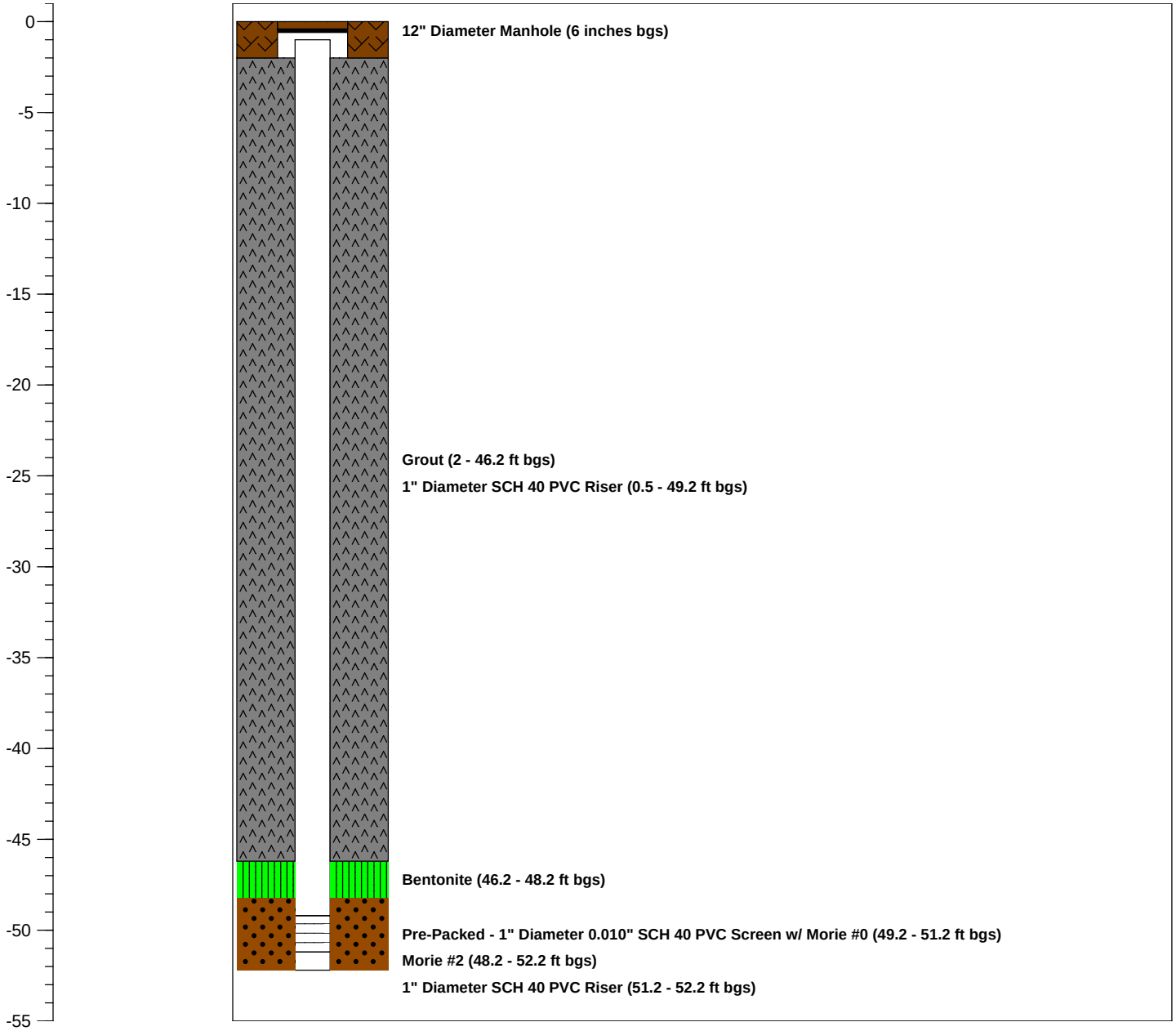
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**52.2'**	WELL NO.:	**OW-1-15S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/7/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

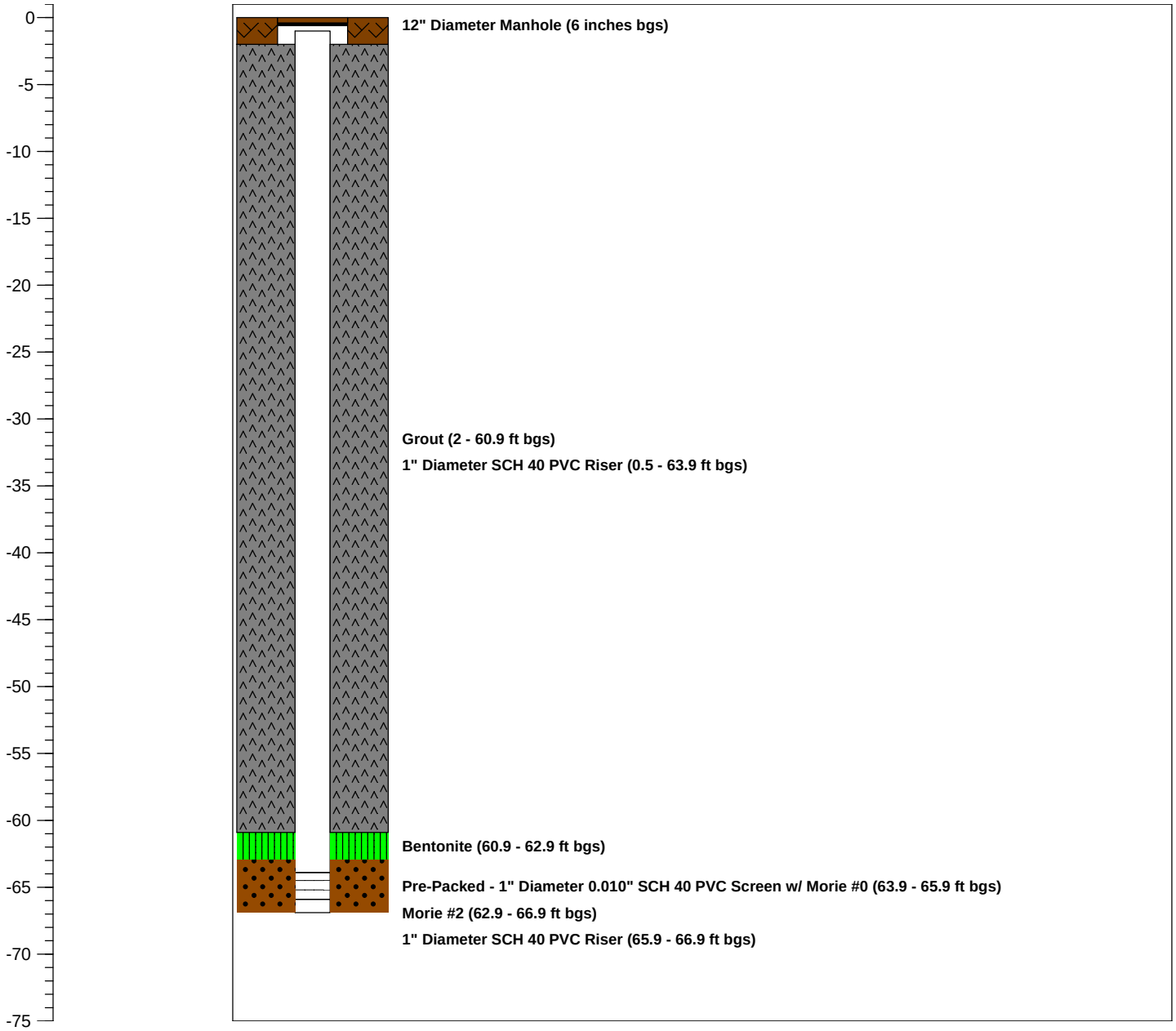
TOTAL DEPTH: **66.9'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-7S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/7/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

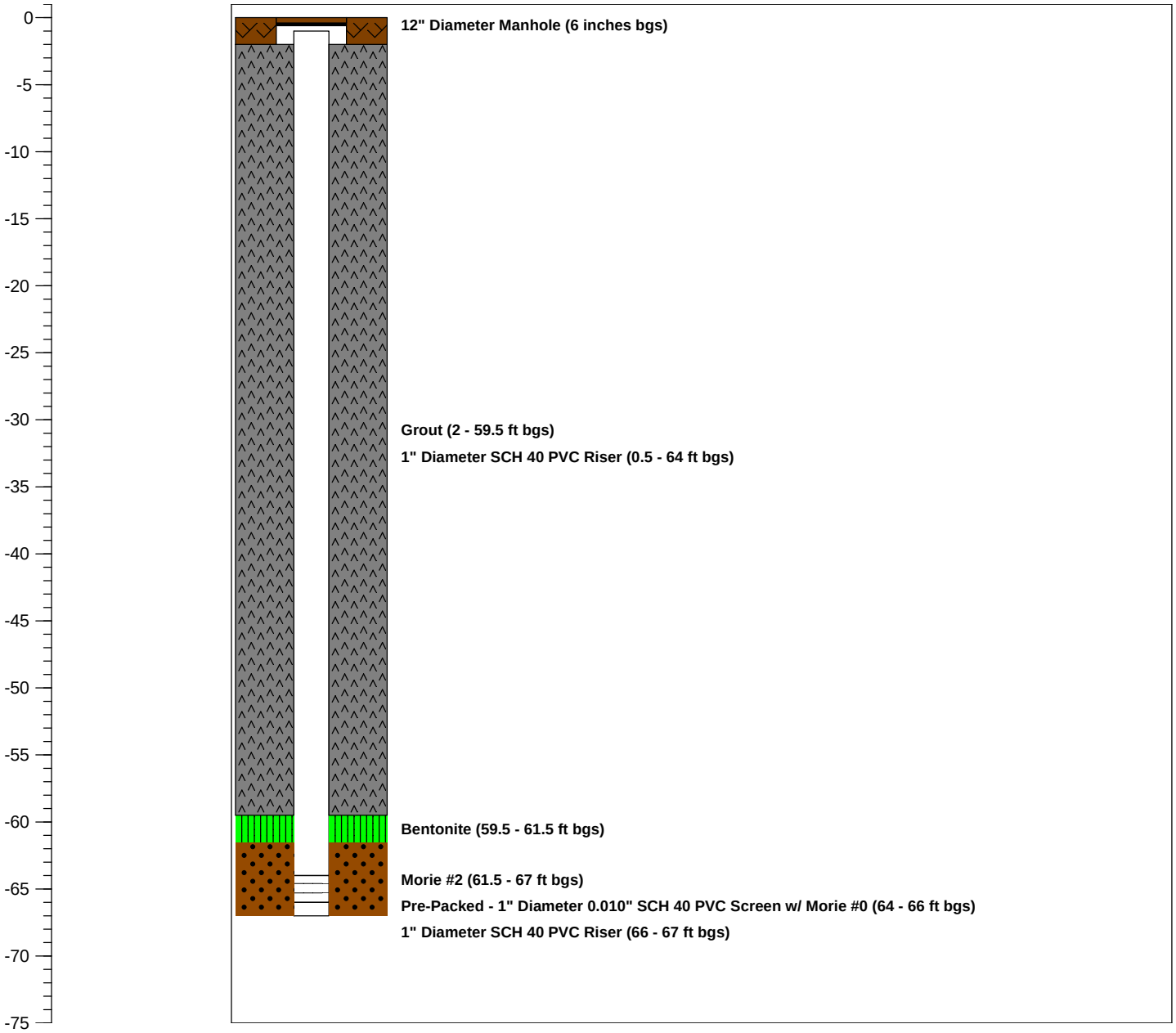
TOTAL DEPTH: **67.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-6S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/7/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

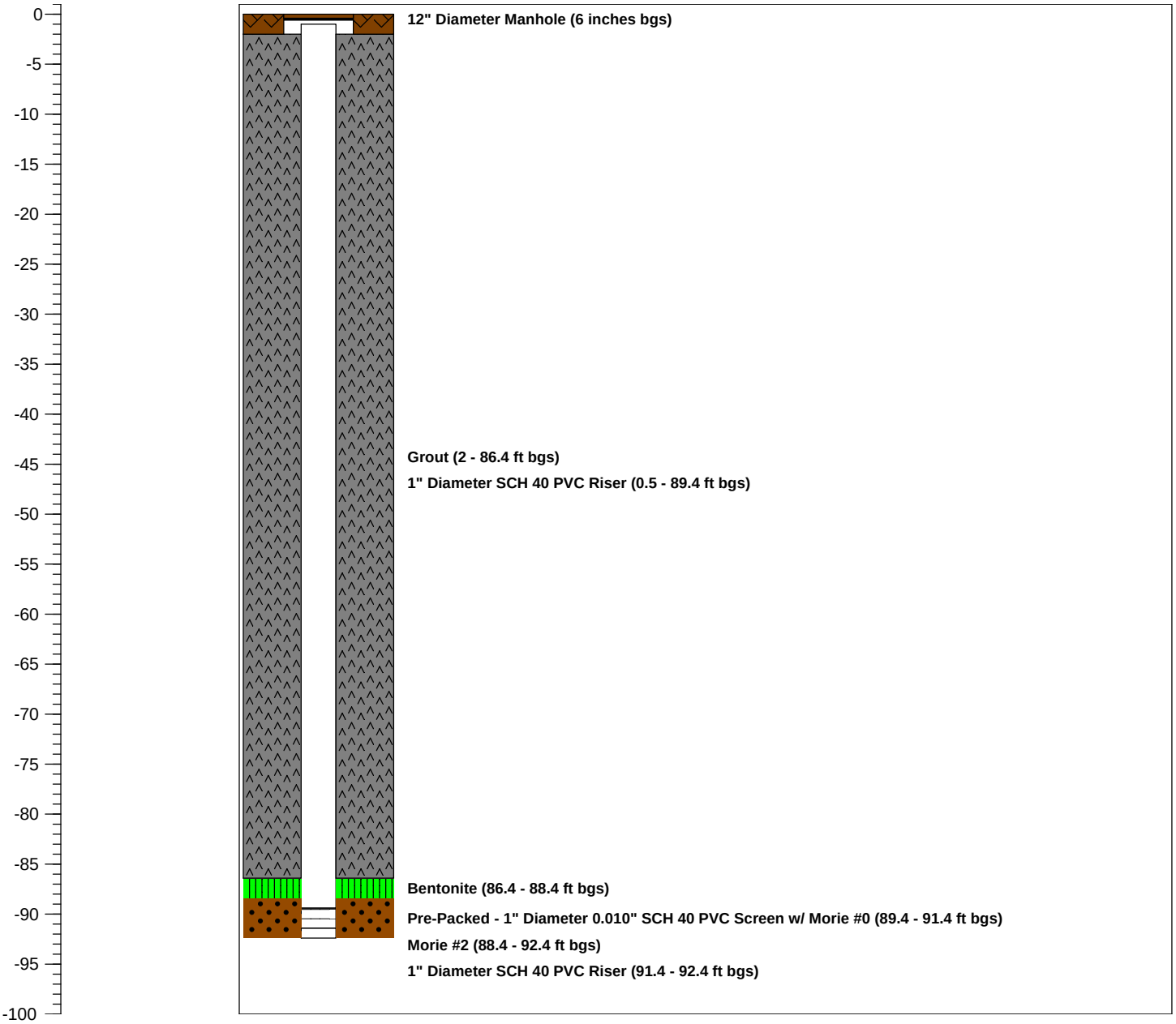
TOTAL DEPTH: **92.4'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-6D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/7/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 8, 2010
Weather Conditions:	Overcast, ~35° F
Hours of Operation:	7:00 AM to 4:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan Sr.	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Gregory Smith	F&N (Local 138)	
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Mike Ryan Jr.	F&N	
Joe Palmeri	F&N	Dump Truck
Barry Rummel	Glacier	GeoProbe 8040
Marvin Bell	Glacier	

Detailed Summary of Work Performed

Utilized the backhoe and dump truck and began trenching the sidewalk area along Smith Street, approximately 36 inches bgs. Hand cleared around existing gas mains and the existing installed injection wells. Transported excavated soil to the Intersection Street staging yard for stockpiling. Mobilized GeoProbe 8040 & GeoProbe 7720 to site and installed four (4) injection points (OW-1-13S, OW-1-14S, OW-1-4, OW-1-5D) to depths of 53.1 feet bgs, 52.7 feet bgs, 95.0 feet bgs, 93.9 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

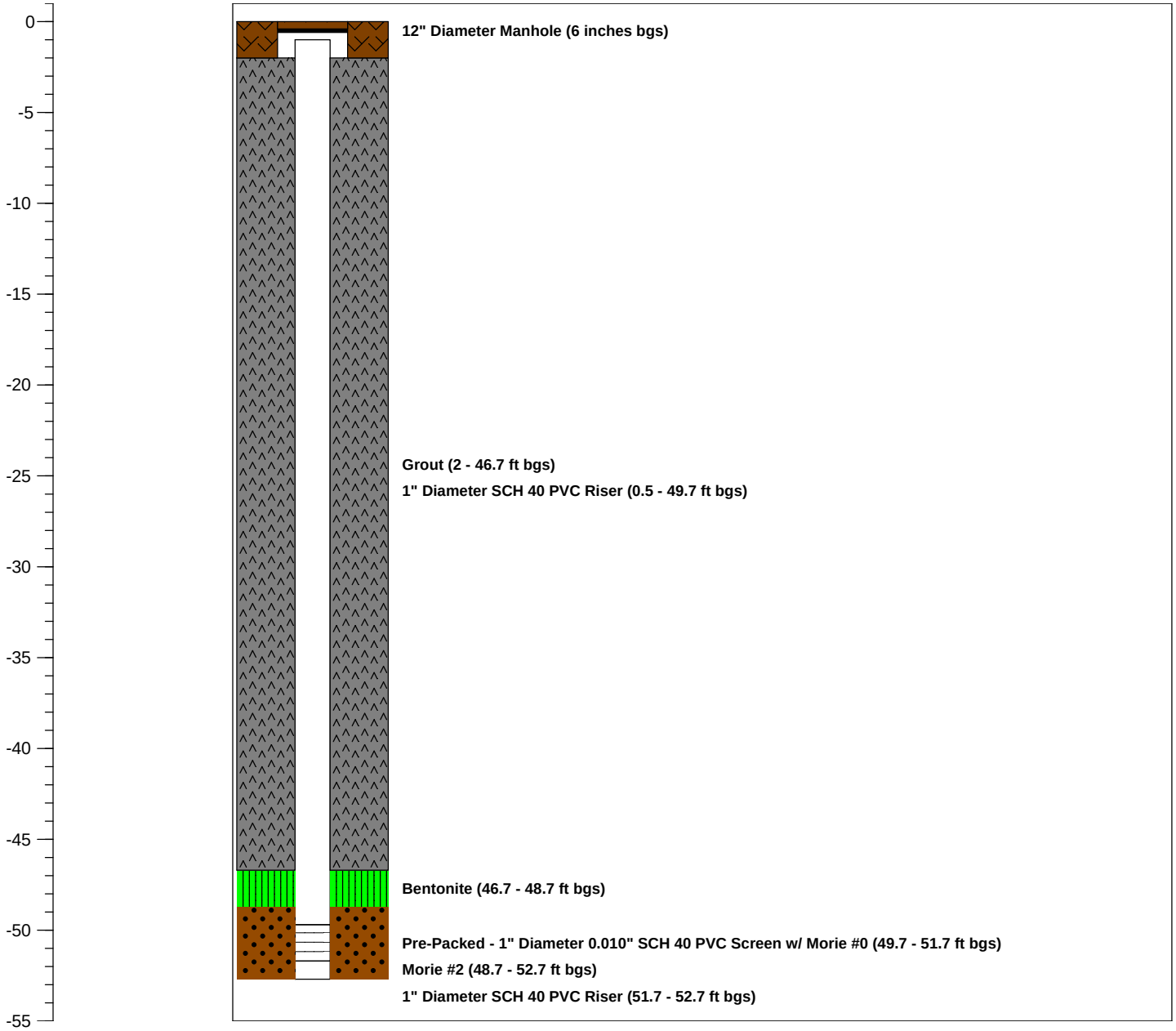
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**52.7'**	WELL NO.:	**OW-1-14S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/8/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

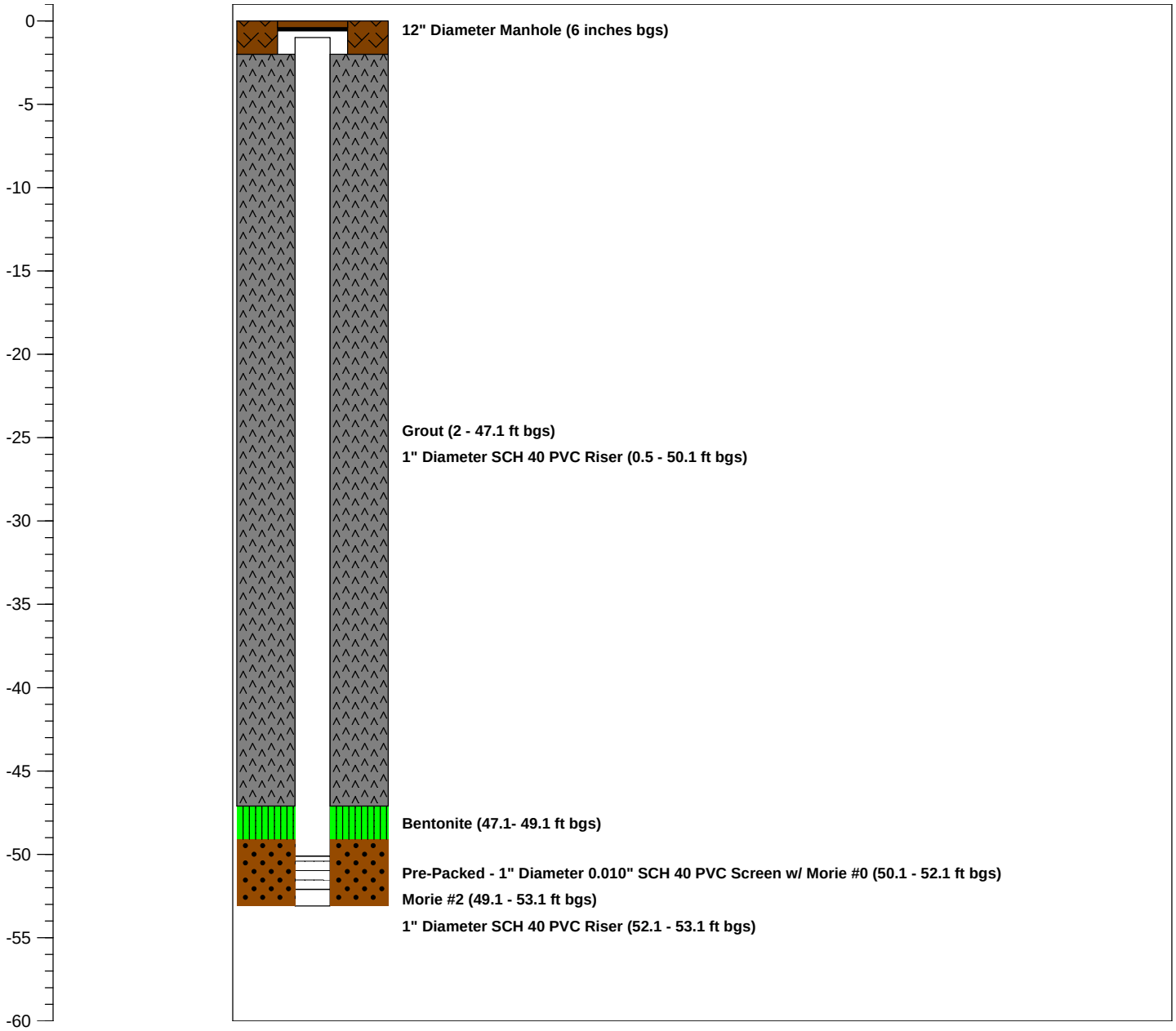
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**53.1'**	WELL NO.:	**OW-1-13S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/8/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

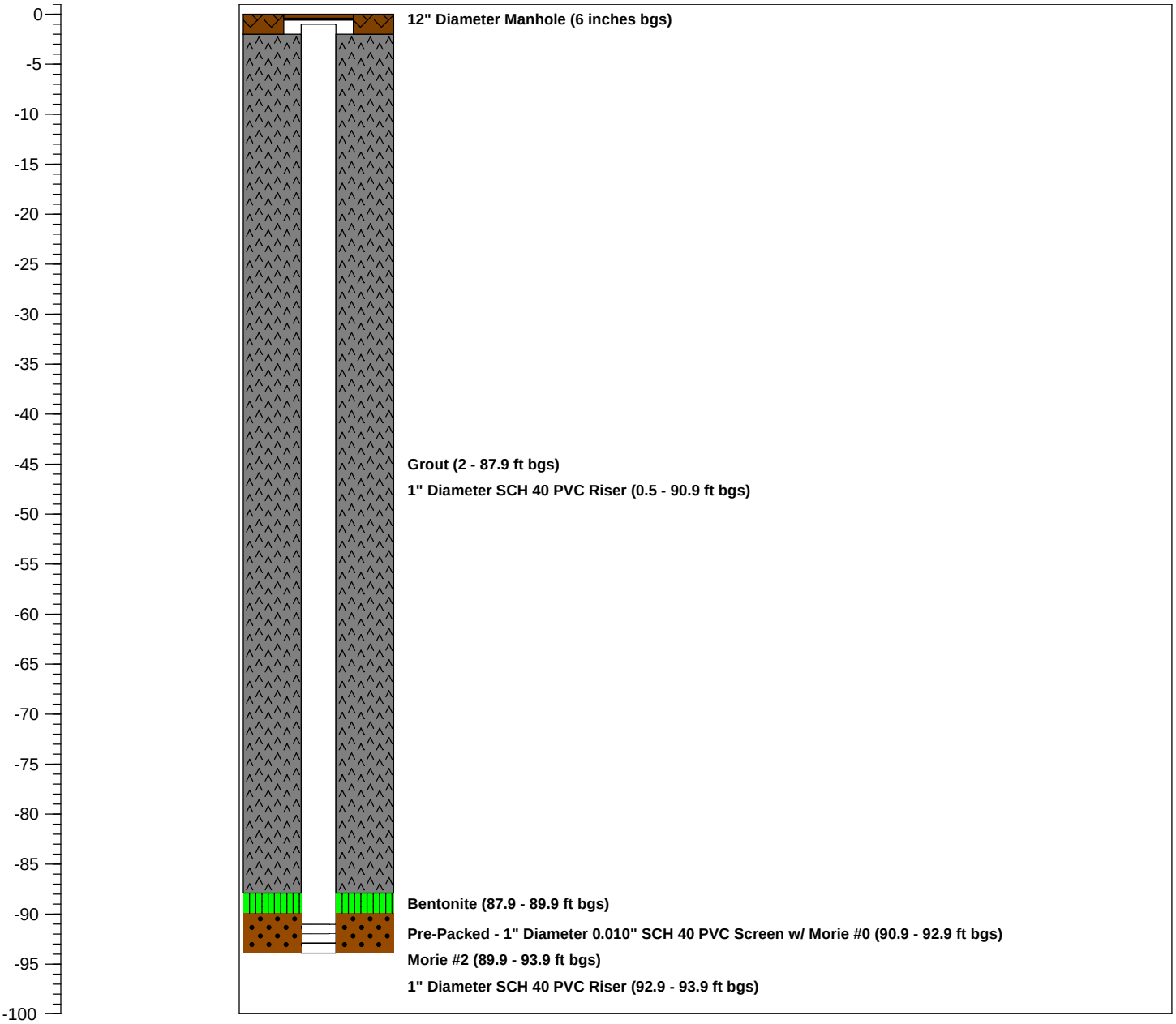
TOTAL DEPTH: **93.9'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-5D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/8/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

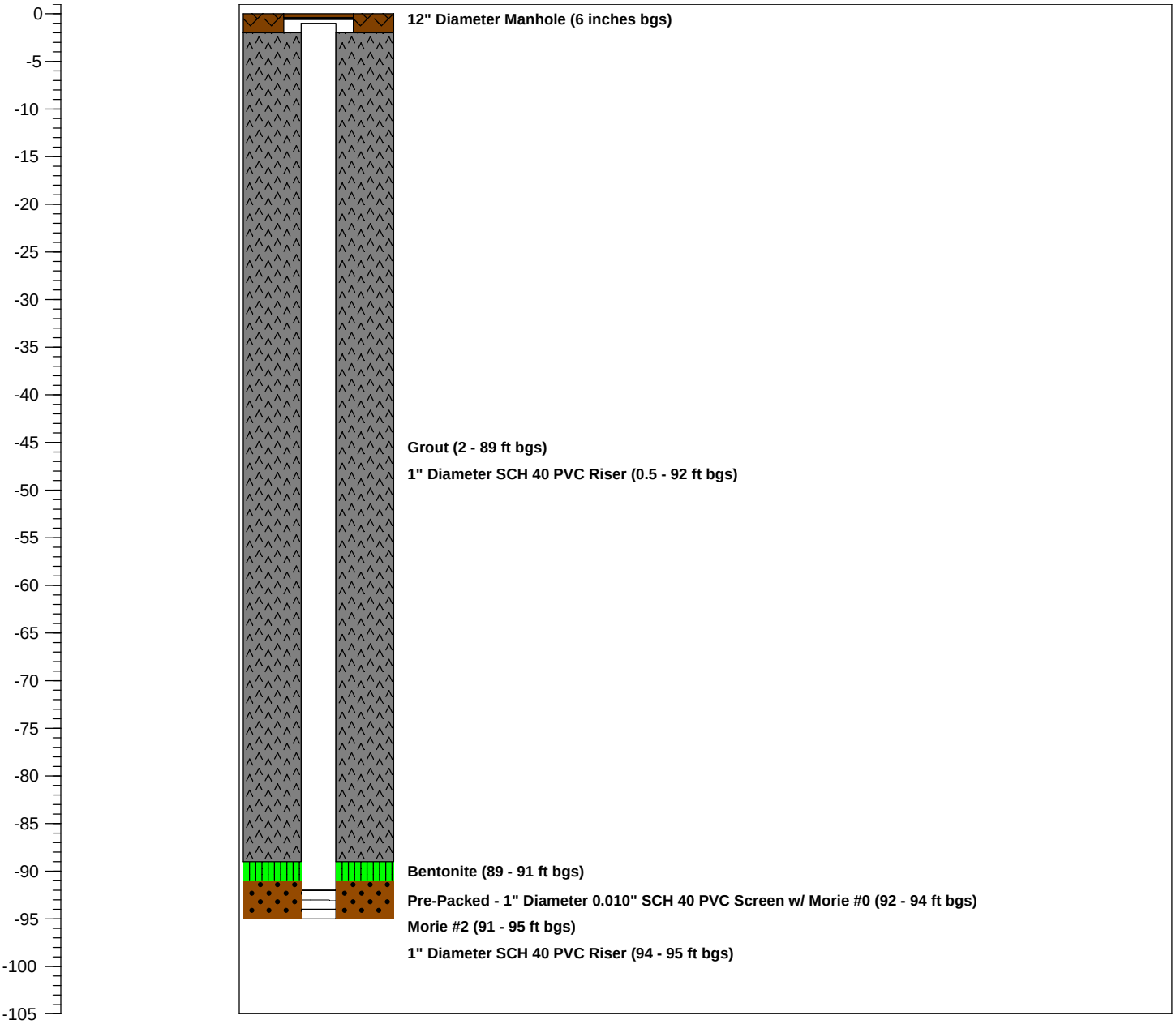
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**95.0'**	WELL NO.:	**OW-1-4**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/8/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 9, 2010
Weather Conditions:	Overcast, ~35° F
Hours of Operation:	7:00 AM to 4:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan Sr.	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Gregory Smith	F&N (Local 138)	
Mike Mede	F&N	GeoProbe 7720
Mike Ryan Jr.	F&N	Drill Support Truck
John Marchetti	F&N	Support Truck
Joe Palmeri	F&N	Dump Truck
Barry Rummel	Glacier	GeoProbe 8040
Marvin Bell	Glacier	Drill Support Truck

Detailed Summary of Work Performed

Utilized the backhoe and dump truck and continued trenching the sidewalk area along Smith Street, approximately 36 inches bgs. Hand cleared around existing gas mains. Transported excavated soil to the Intersection Street staging yard for stockpiling. Mobilized GeoProbe 8040 & GeoProbe 7720 to site and installed five (5) injection points (OW-1-12S, OW-1-11S, OW-1-17D, OW-1-18D, OW-1-19D) to depths of 53.6 feet bgs, 54.1 feet bgs, 79.5 feet bgs, 78.3 feet bgs and 78.9 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

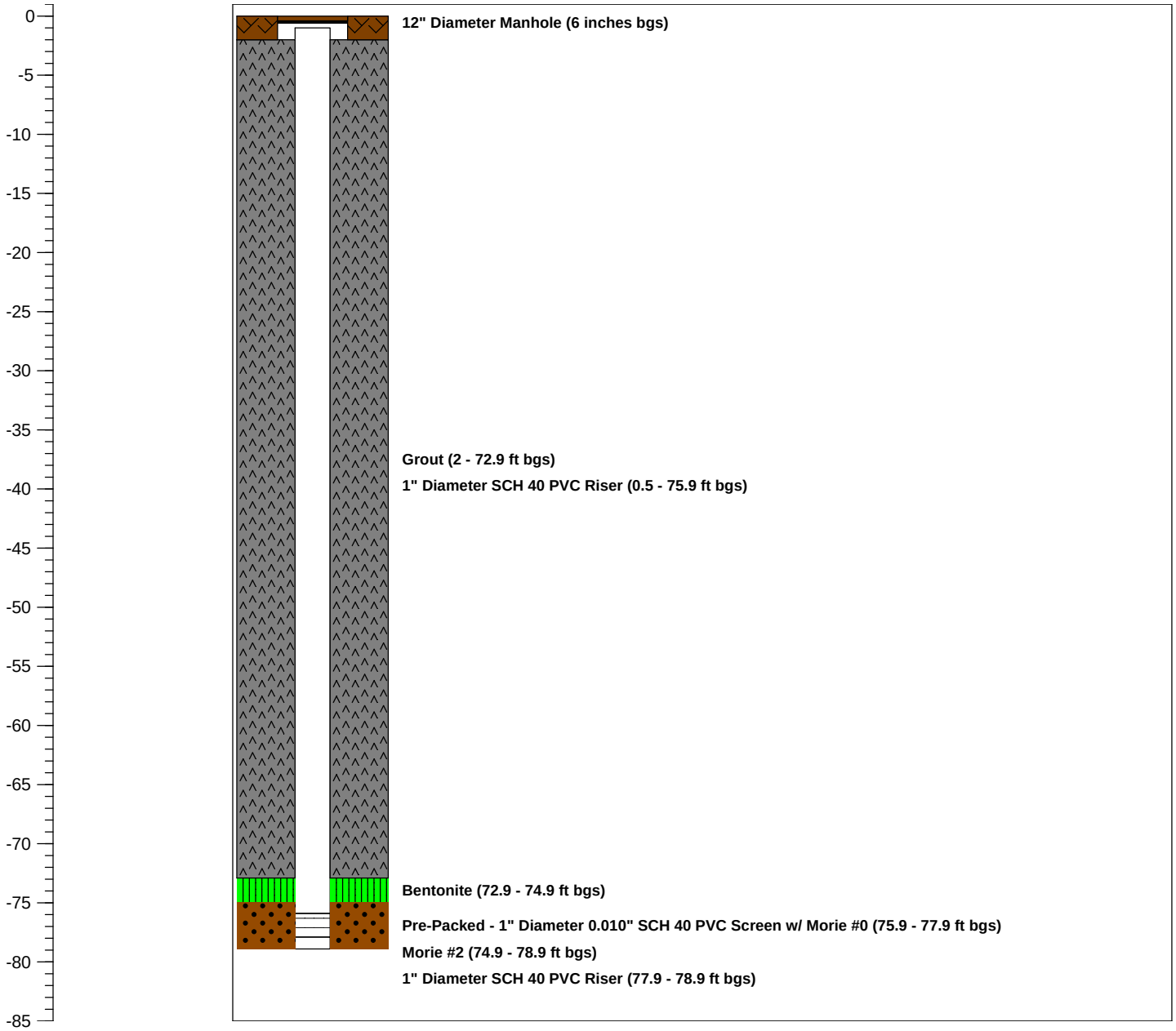
TOTAL DEPTH: **78.9'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-19D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/9/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

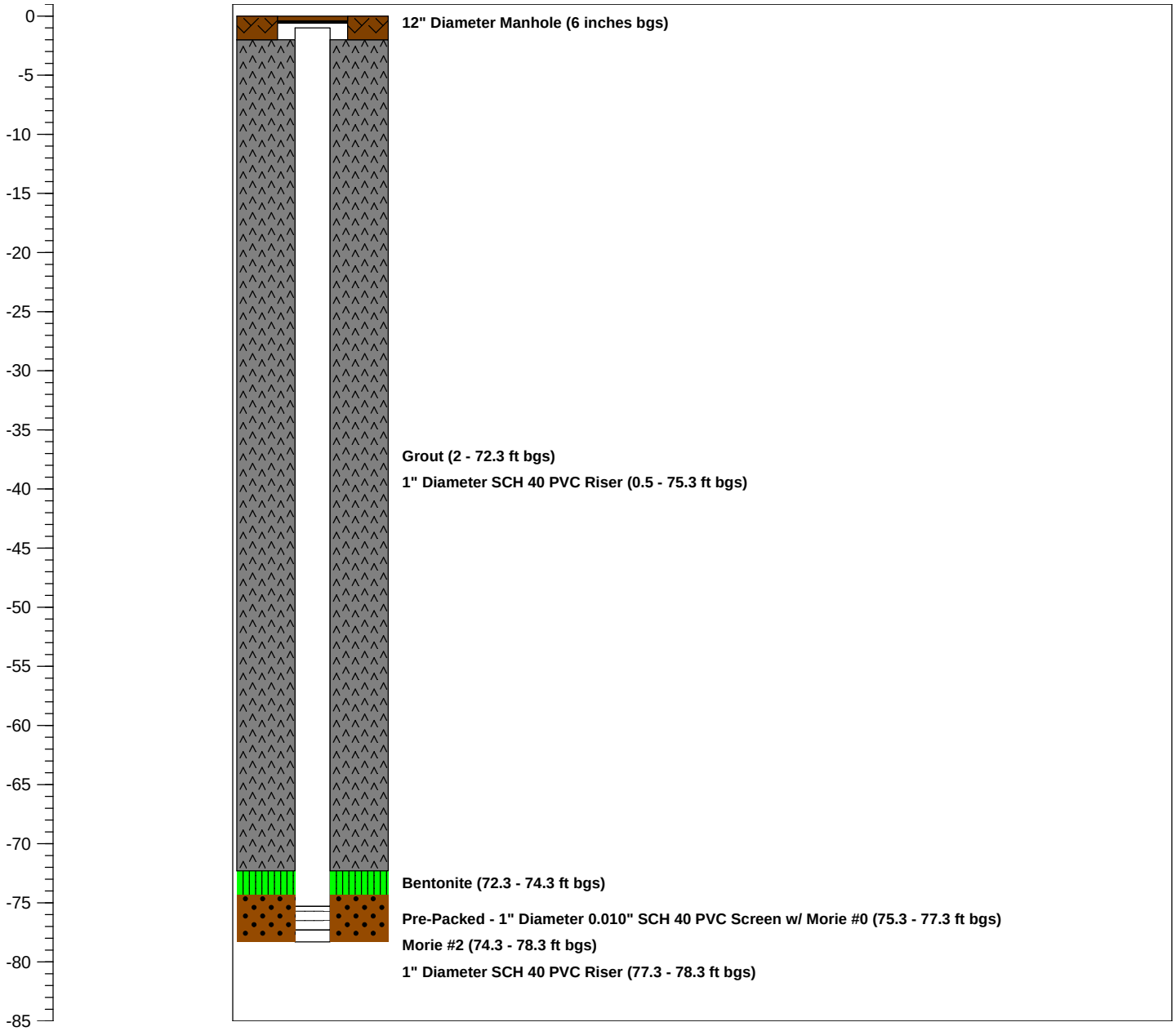
TOTAL DEPTH: **78.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-18D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/9/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

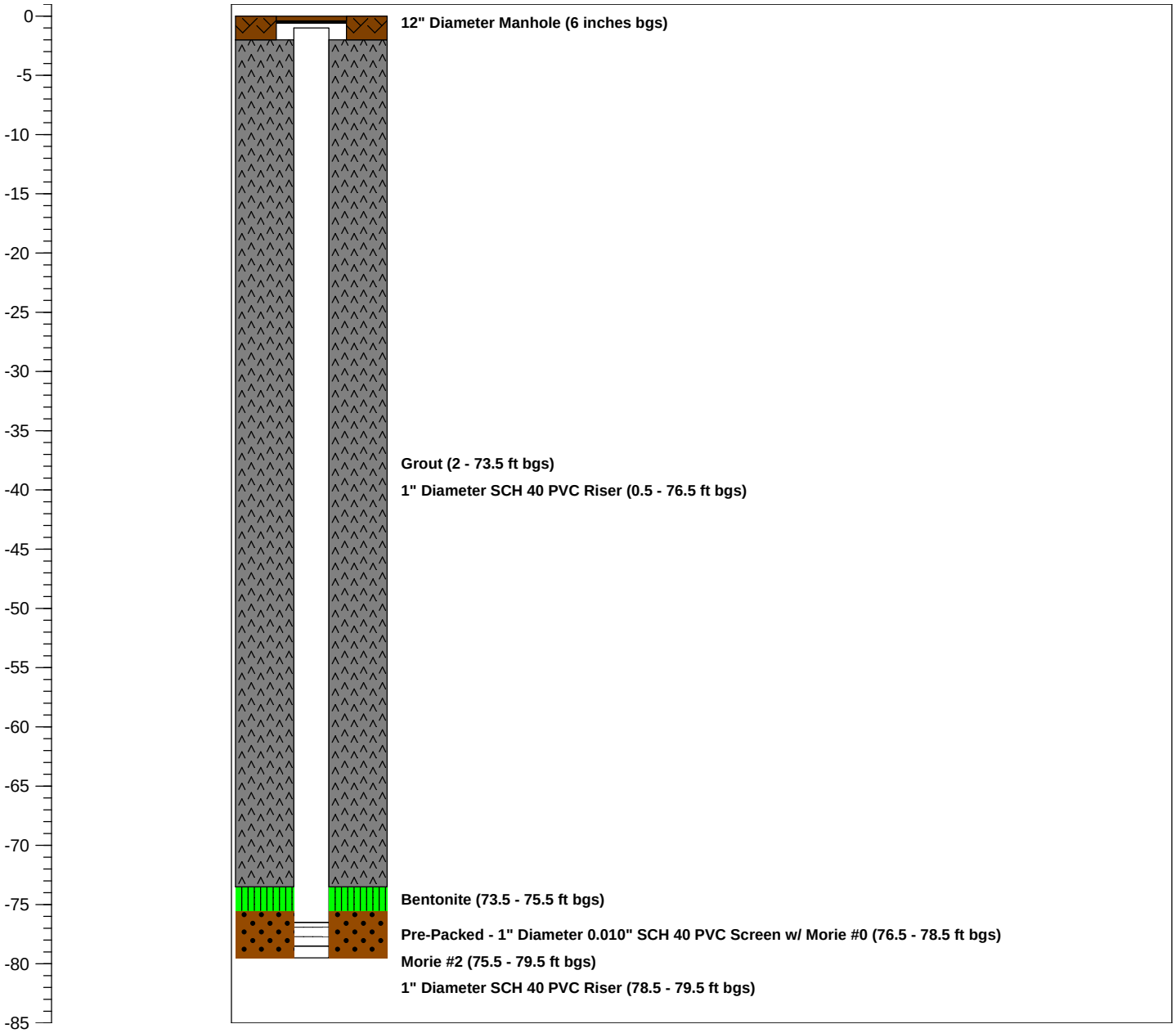
TOTAL DEPTH: **79.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-17D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/9/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

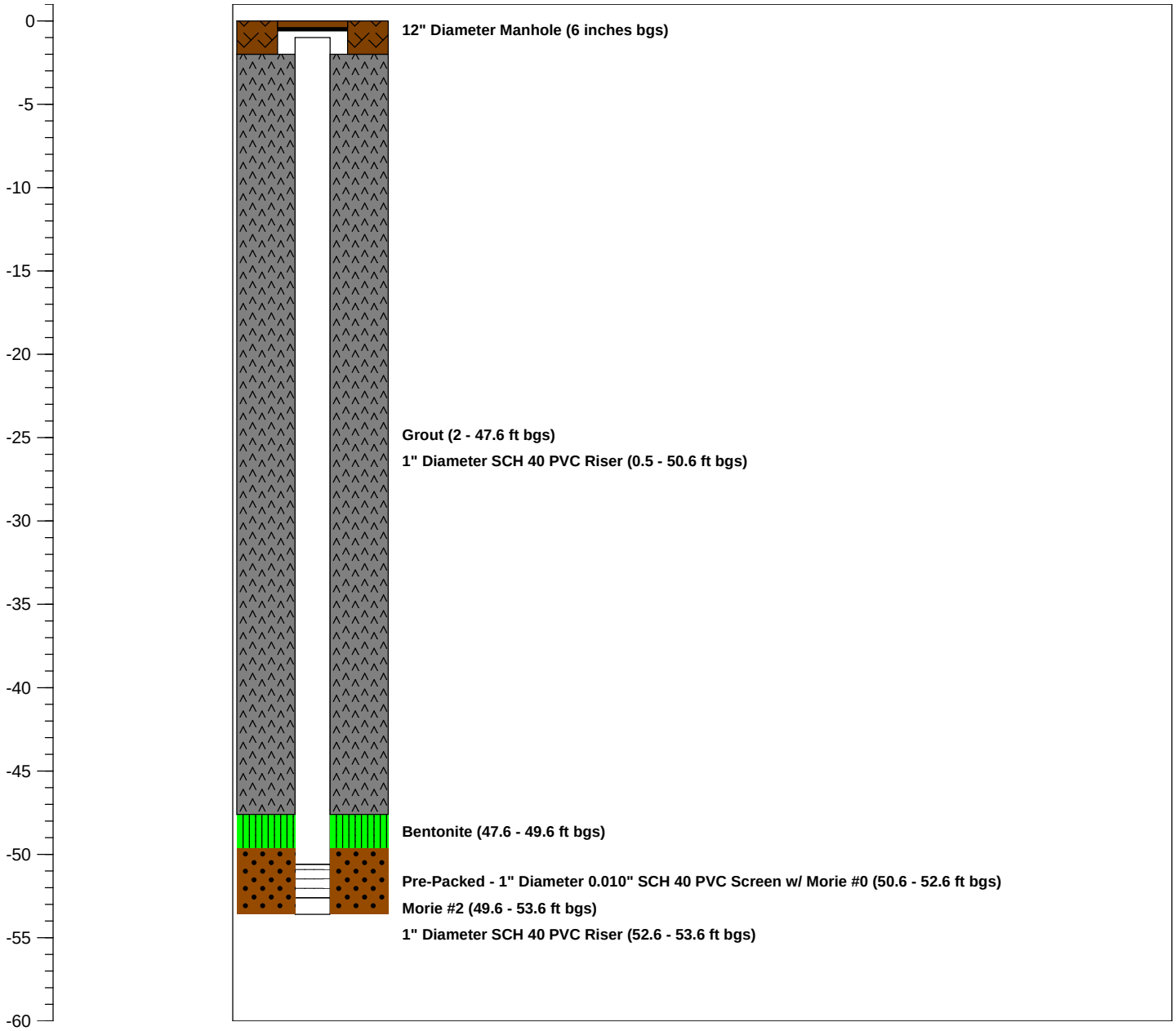
TOTAL DEPTH: **53.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-12S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/9/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

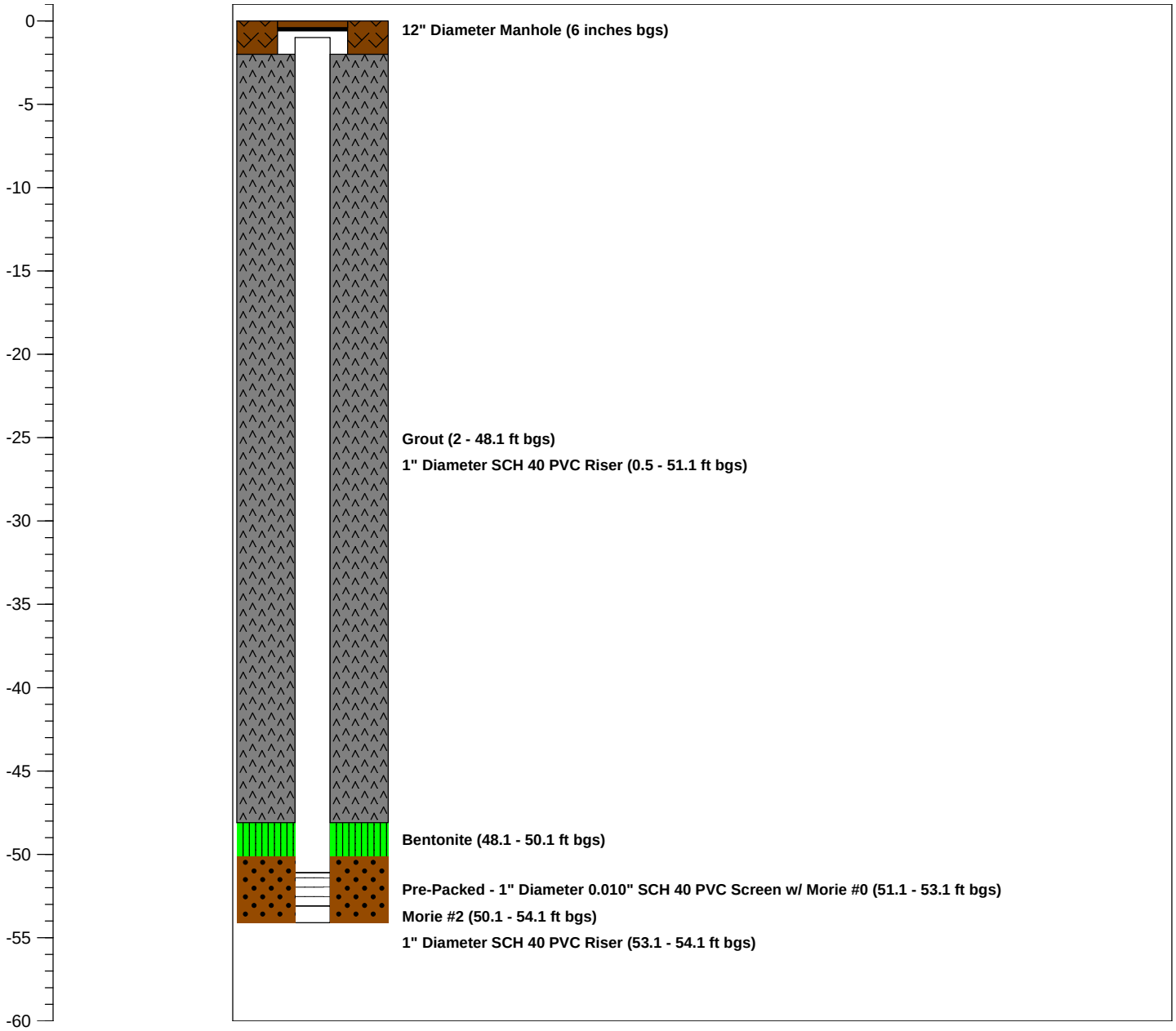
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**54.1'**	WELL NO.:	**OW-1-11S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/9/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 10, 2010
Weather Conditions:	Overcast, ~35° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan Sr.	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Gregory Smith	F&N (Local 138)	
Mike Mede	F&N	GeoProbe 7720
Mike Ryan Jr.	F&N	Drill Support Truck
John Marchetti	F&N	Support Truck
Joe Palmeri	F&N	Dump Truck
Barry Rummel	Glacier	GeoProbe 8040
Marvin Bell	Glacier	Drill Support Truck

Detailed Summary of Work Performed

Utilized the backhoe and dump truck and continued trenching the sidewalk area along Smith Street, approximately 36 inches bgs. Hand cleared around existing utility lines. Installed 13 foot section of 12 inch PVC sleeve under driveway area. Transported steel plates and covered the open trench of the driveway areas. Cut injection wells down to grade to protect and avoid damage. Transported excavated soil to the Intersection Street staging yard for stockpiling. Mobilized GeoProbe 8040 & GeoProbe 7720 to site and installed four (4) injection points (OW-1-5S, OW-1-10S, OW-1-15D, OW-1-16D) to depths of 67.3 feet bgs, 54.6 feet bgs, 83.3 feet bgs, 82.5 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

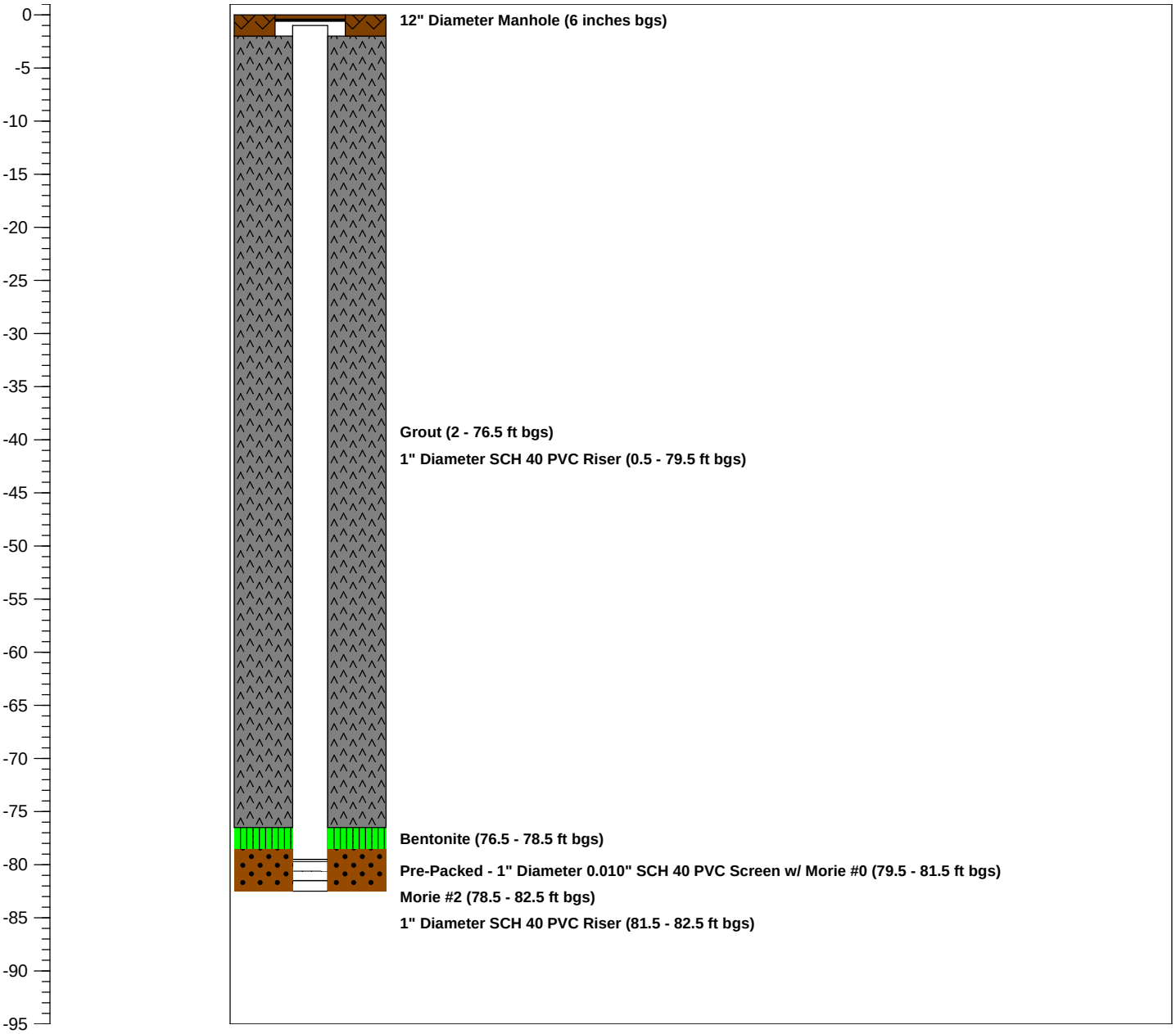
TOTAL DEPTH: **82.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-16D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/10/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

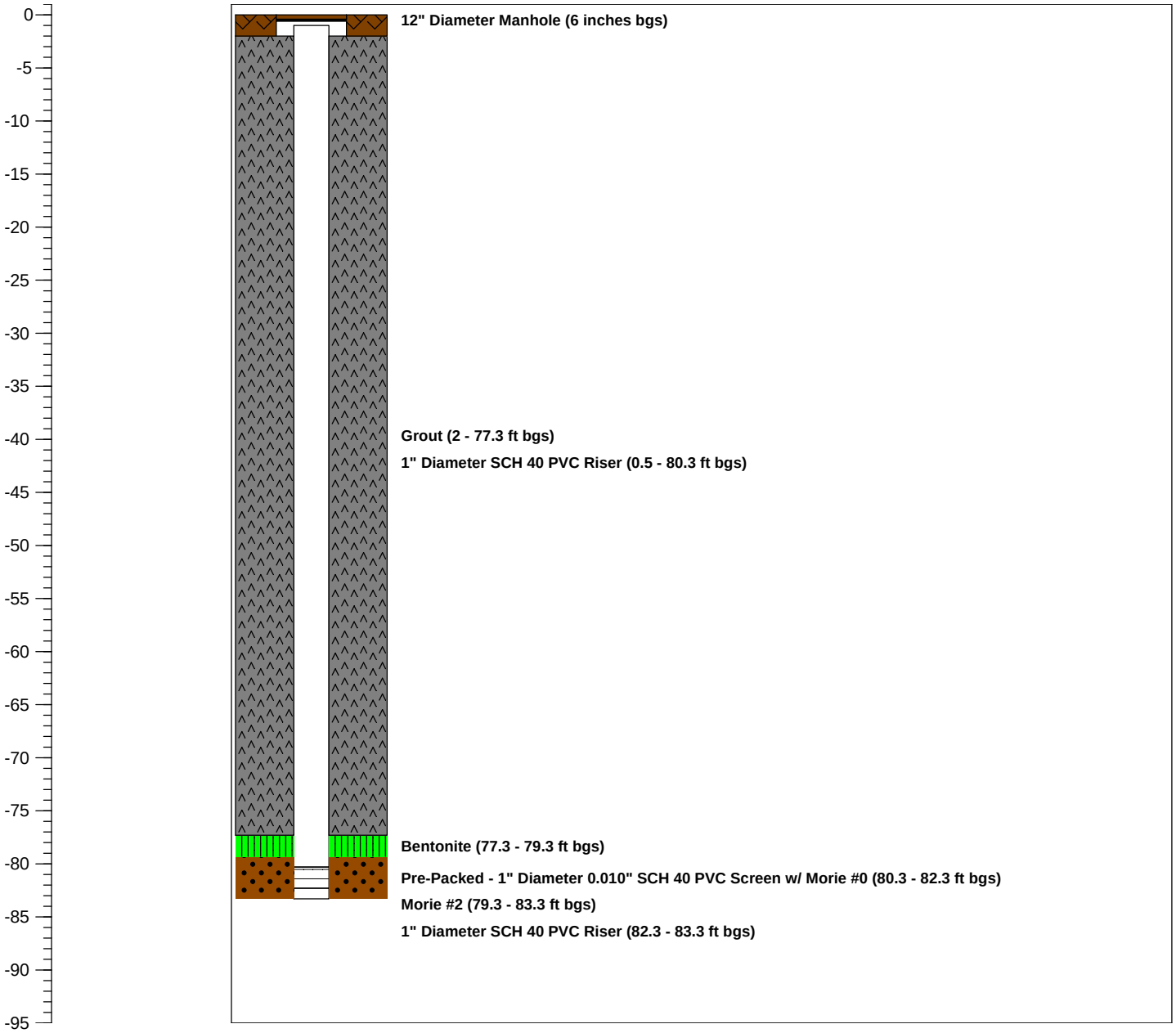
TOTAL DEPTH: **83.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-15D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/10/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

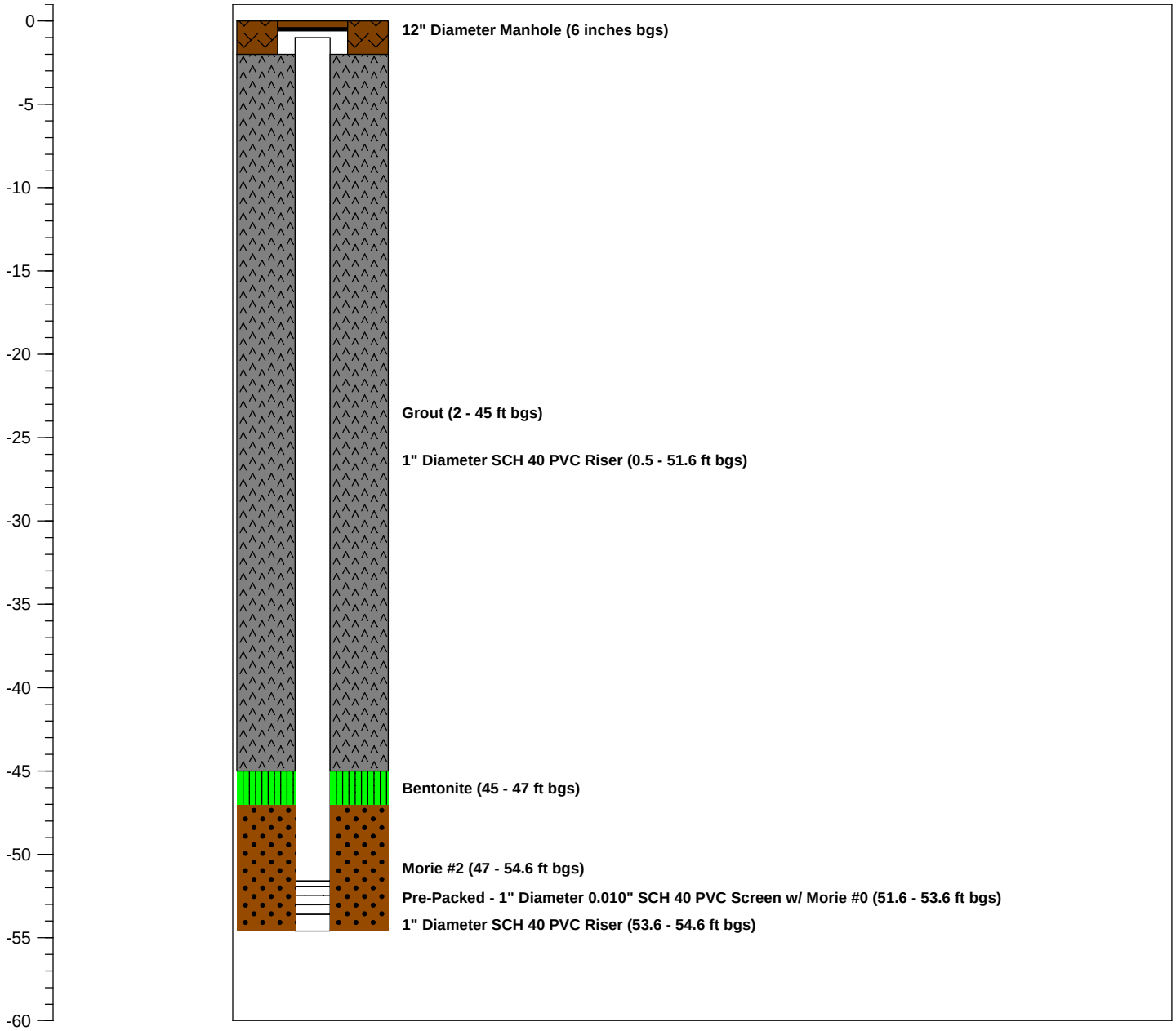
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**54.6'**	WELL NO.:	**OW-1-10S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/10/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

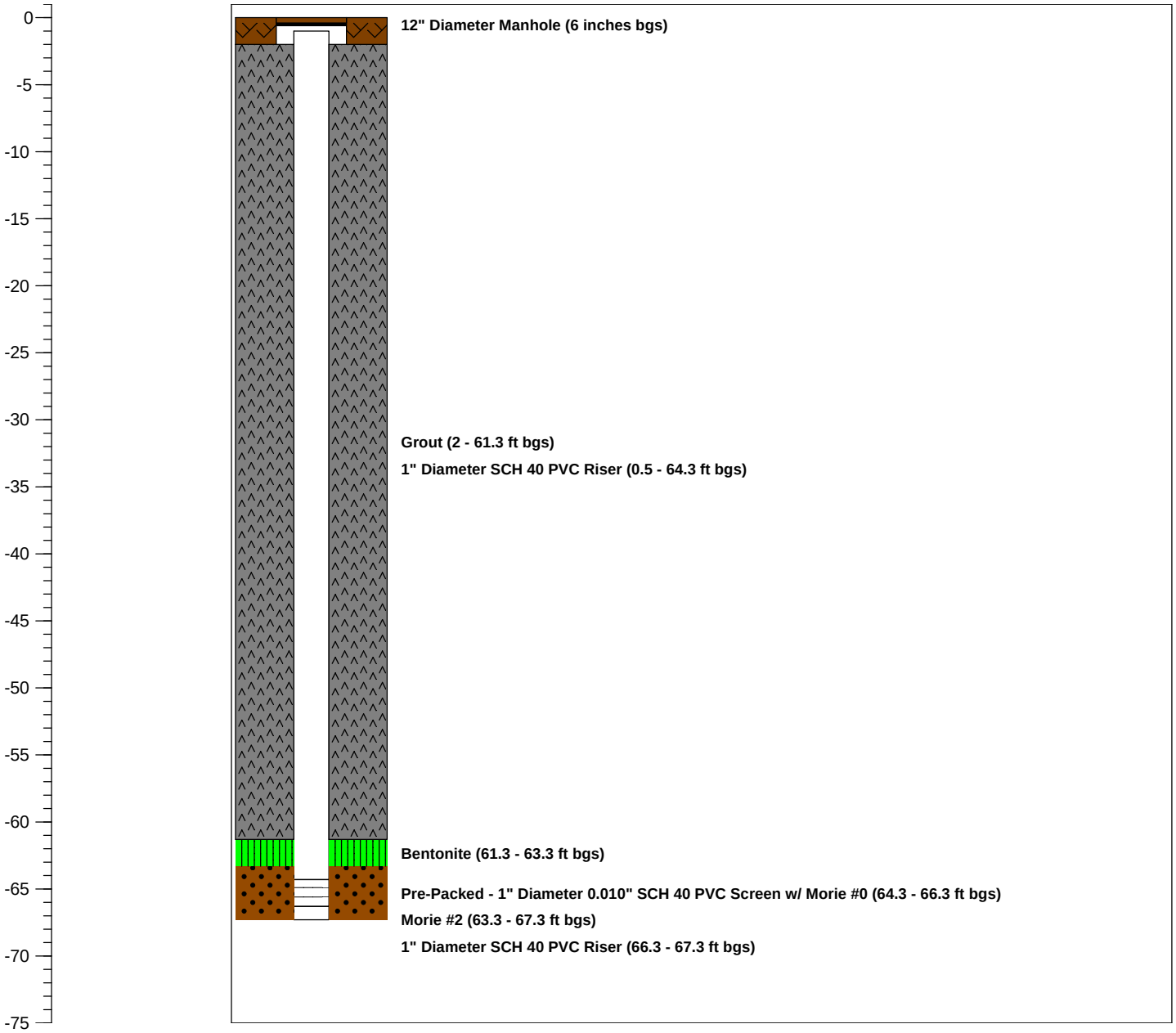
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**67.3'**	WELL NO.:	**OW-1-5S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/10/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 13, 2010
Weather Conditions:	Overcast, ~35° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan Sr.	F&N	Support Truck
Joe Palmeri	F&N	
John Marchetti	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Mike Ryan Jr.	F&N	
Barry Rummel	Glacier	GeoProbe 8040
Marvin Bell	Glacier	Drill Support Truck

Detailed Summary of Work Performed

Utilized backhoe and dump truck for trenching of the sidewalk area along Smith Street. Hand cleared around existing wellheads and gas main. Installed 12" diameter PVC sleeve to fit under driveways. Transported and installed steel road plates to cover trench. Transported soil back to the Intersection Street staging yard for stockpiling. Secured the "Sidewalk Closed" signs along the sidewalk of Smith Street where necessary. Installed tees and ball valves on fourteen (14) injection point locations (OW-1-54, OW-1-53, OW-1-52, OW-1-51, OW-1-50, OW-1-49, OW-1-48, OW-1-47, OW-1-46, OW-1-45, OW-1-44, OW-1-43, OW-1-42S, OW-1-42D). Mobilized GeoProbe 8040 & GeoProbe 7720 to site and installed five (5) injection points (OW-1-45, OW-1-44, OW-1-20D, OW-1-21D, OW-1-22D) to depths of 65.7 feet bgs, 66.6 feet bgs, 79.5 feet bgs, 79.5 feet bgs and 79.5 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

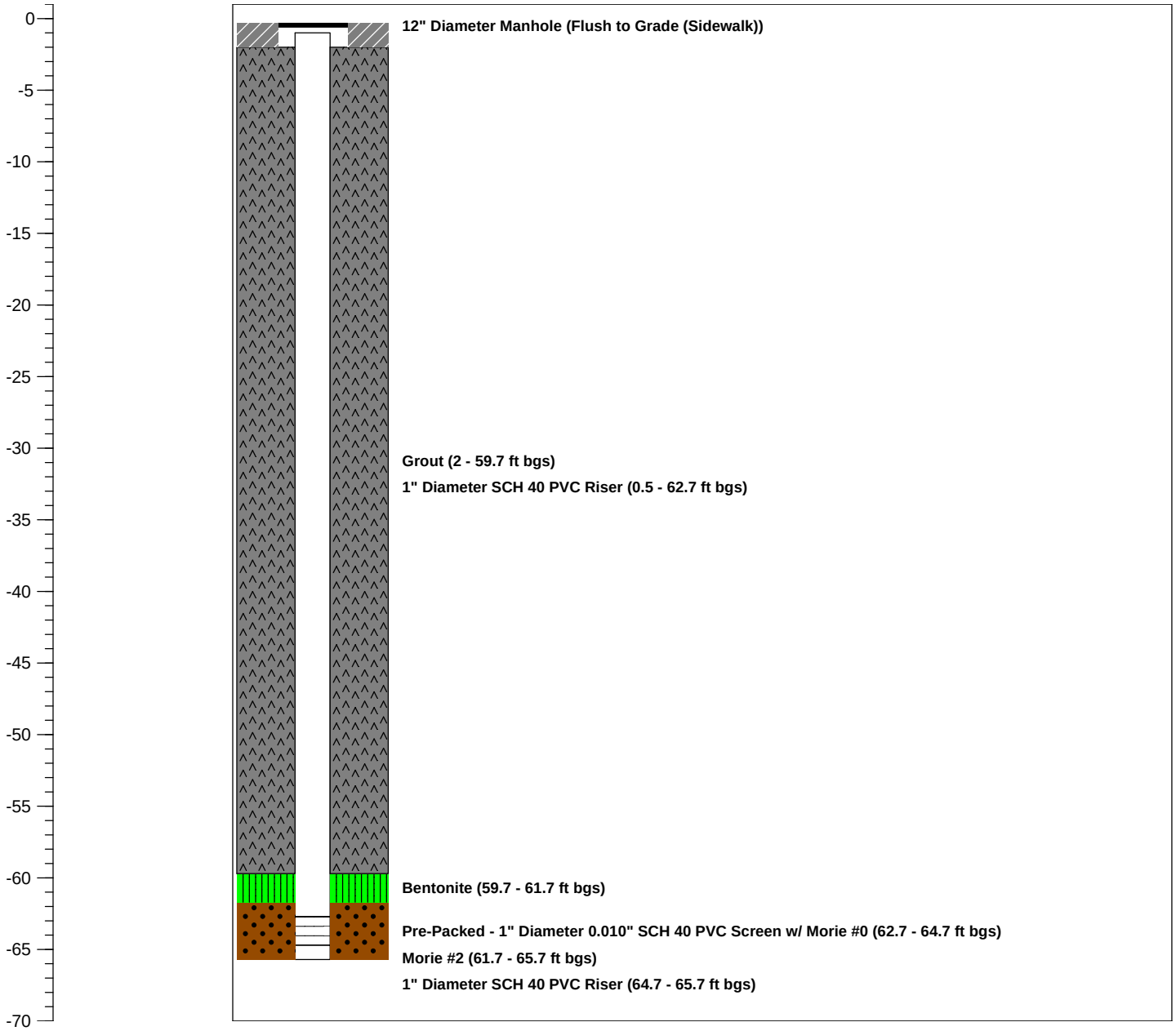
TOTAL DEPTH: **65.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-45**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/13/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

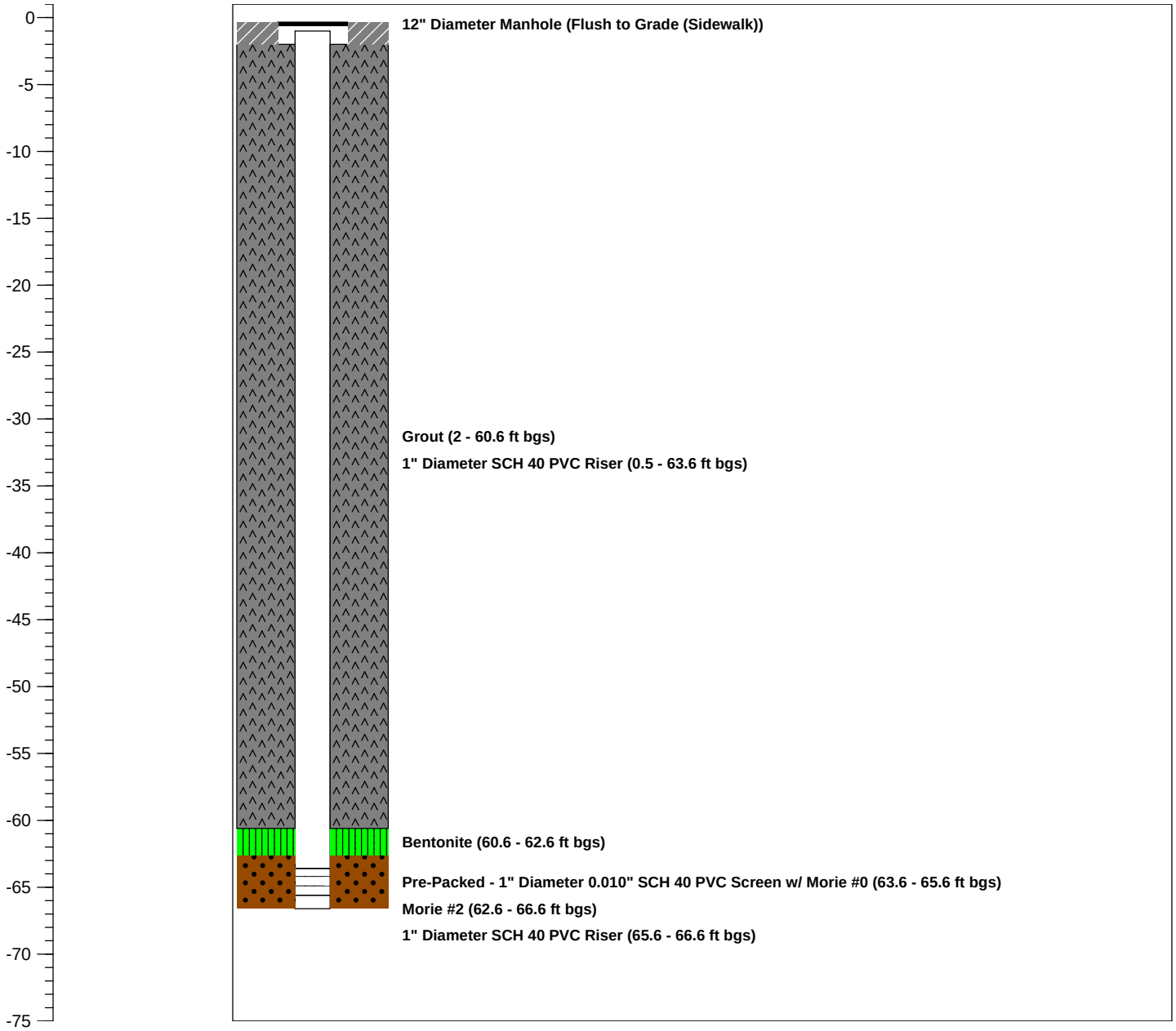
TOTAL DEPTH: **66.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-44**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/13/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

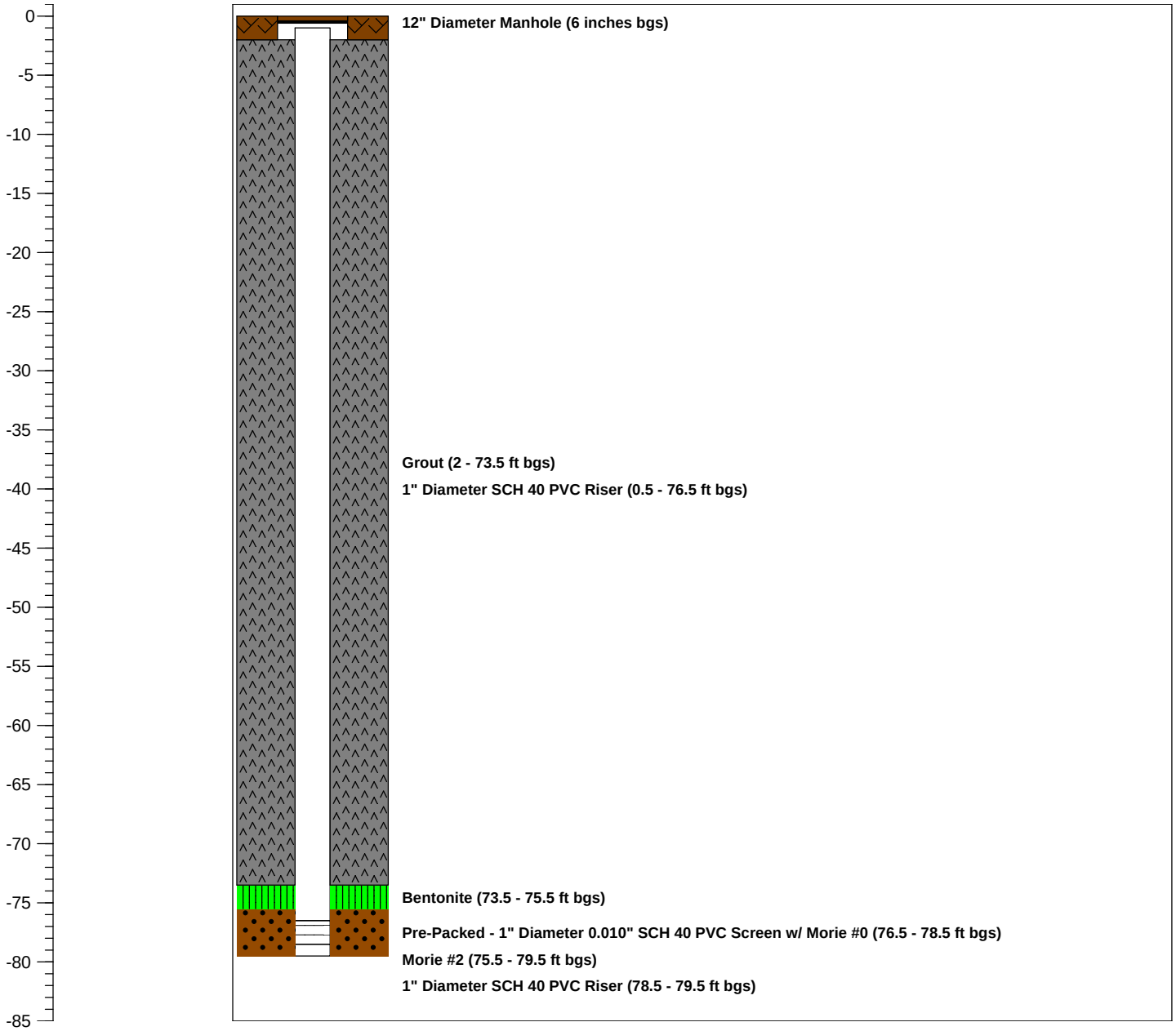
TOTAL DEPTH: **79.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-22D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/13/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

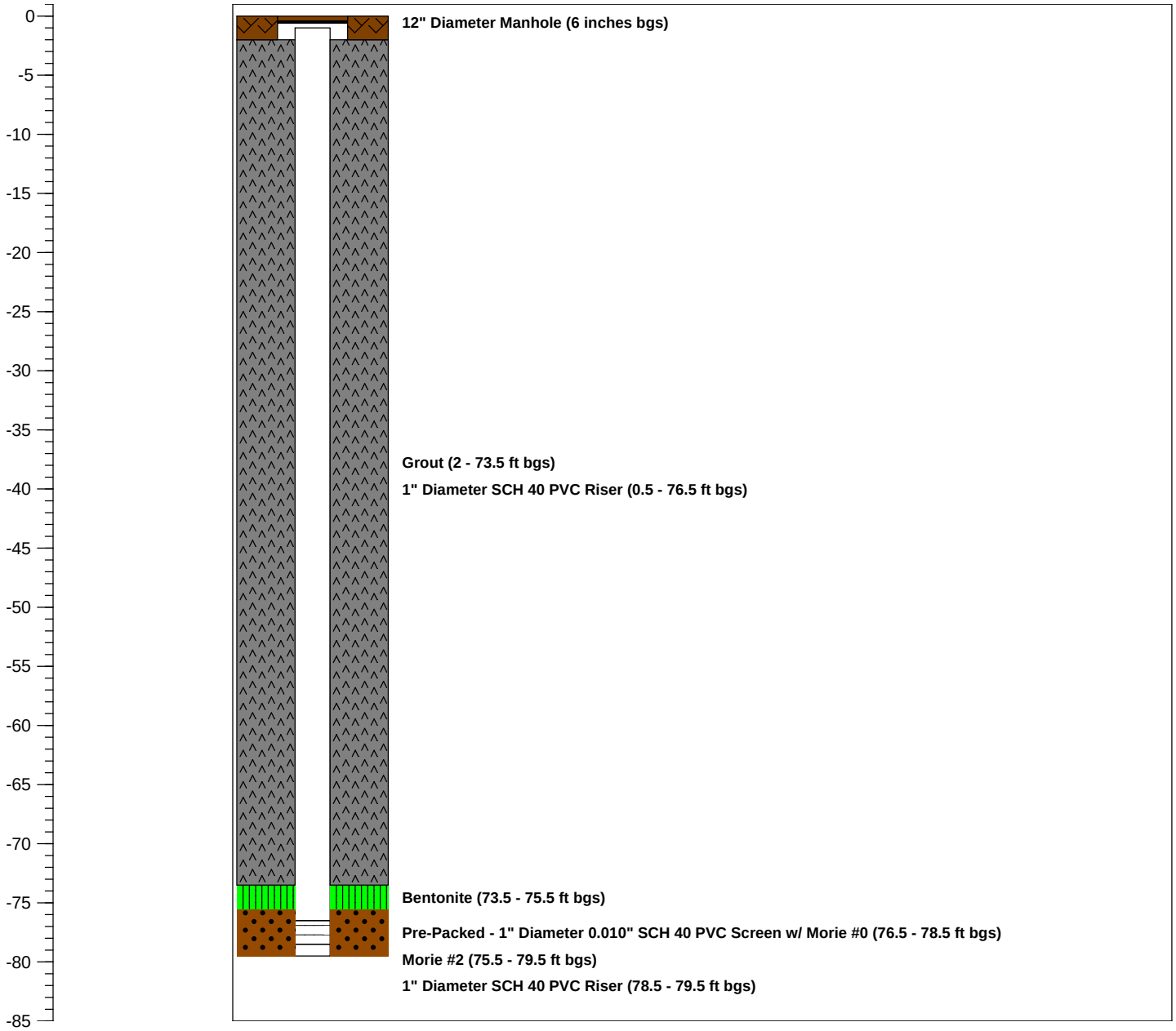
TOTAL DEPTH: **79.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-21D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/13/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

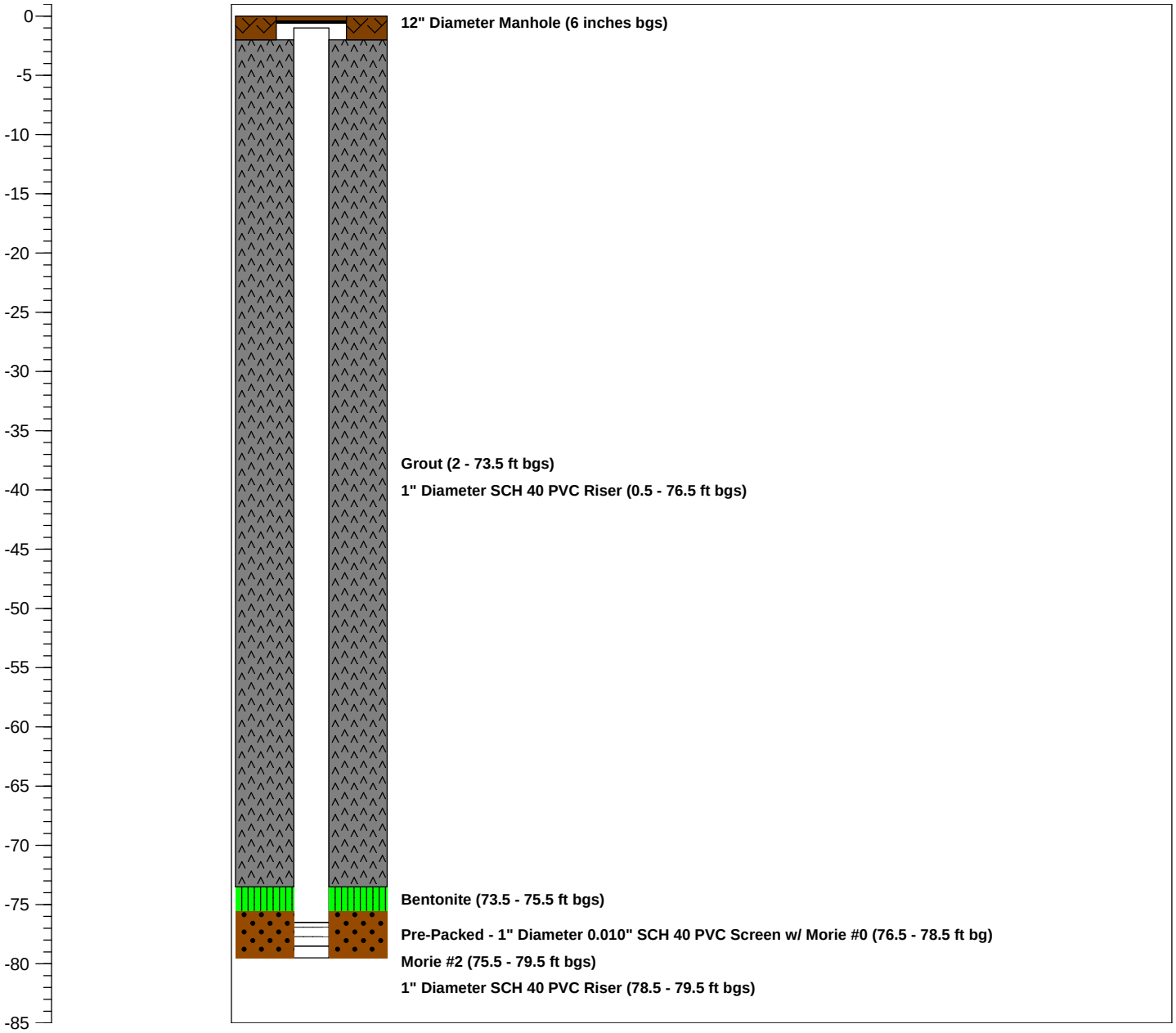
TOTAL DEPTH: **79.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-20D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/13/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 14, 2010
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 4:00 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan Sr.	F&N	Support Truck
Joe Palmeri	F&N	
John Marchetti	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Mede	F&N	Drill Support Truck & Geoprobe 7720
Mike Ryan Jr.	F&N	
Barry Rummel	Glacier	GeoProbe 8040
Marvin Bell	Glacier	Drill Support Truck

Detailed Summary of Work Performed

Utilized backhoe and dump truck and continued trenching of the sidewalk area along Smith Street, approximately 36 inches bgs. Hand cleared around existing well heads and water main. Installed 12 inch diameter PVC sleeve to fit under driveway. Backfilled and tamped every 6 inches. Layed down RCA and compacted in driveway area. Transported excavated soil back to the Intersection Street staging yard. Continued to install tees and ball valves on the exposed wells. Mobilized GeoProbe 7720 & GeoProbe 8040 to site and installed four (4) injection points (OW-1-43S, OW-1-23D, OW-1-14D, OW-1-13D) to 67.4 feet bgs, 78.7 feet bgs, 84.1 feet bgs, 84.7 feet bgs.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

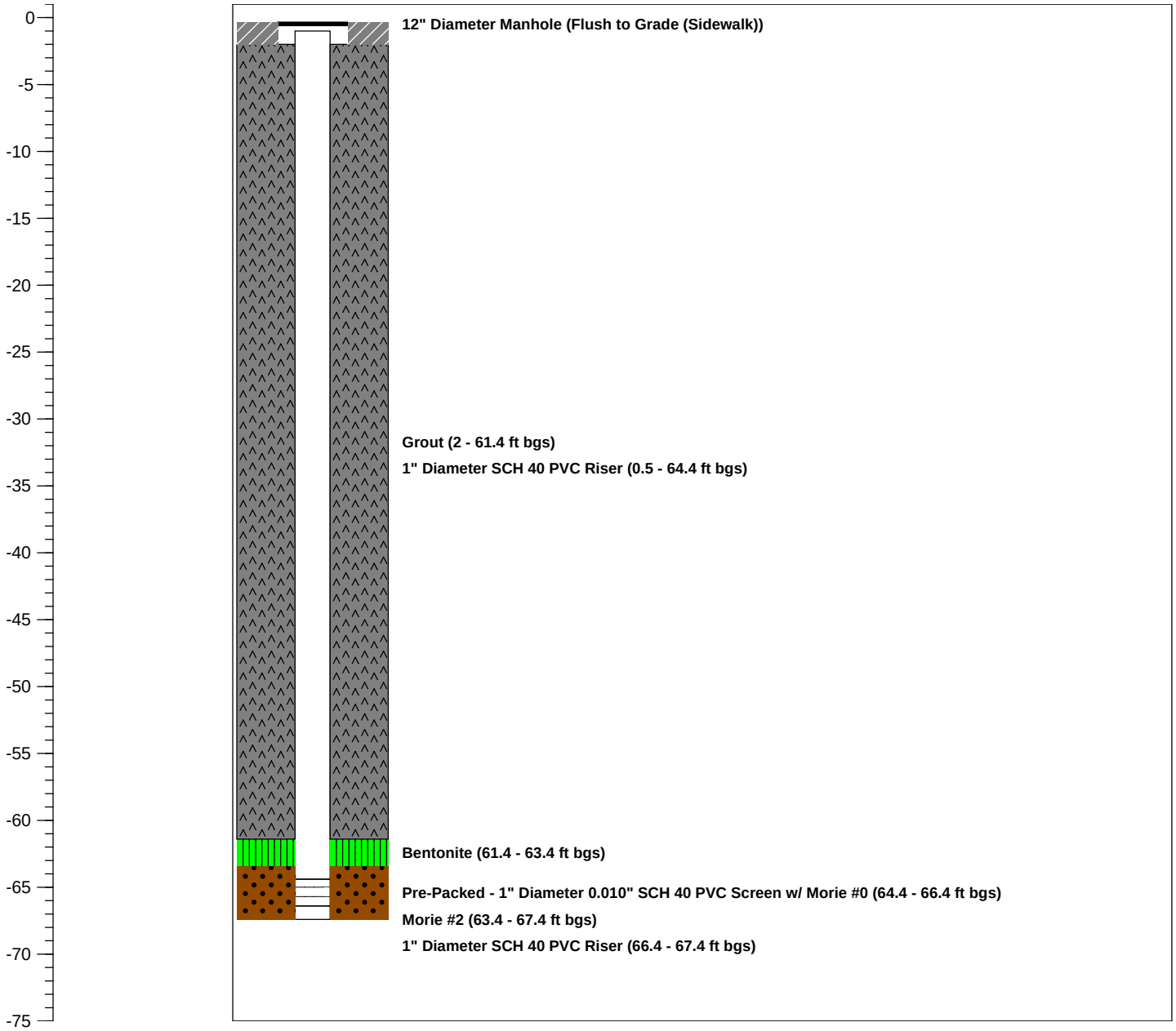
TOTAL DEPTH: **67.4'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-43**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/14/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

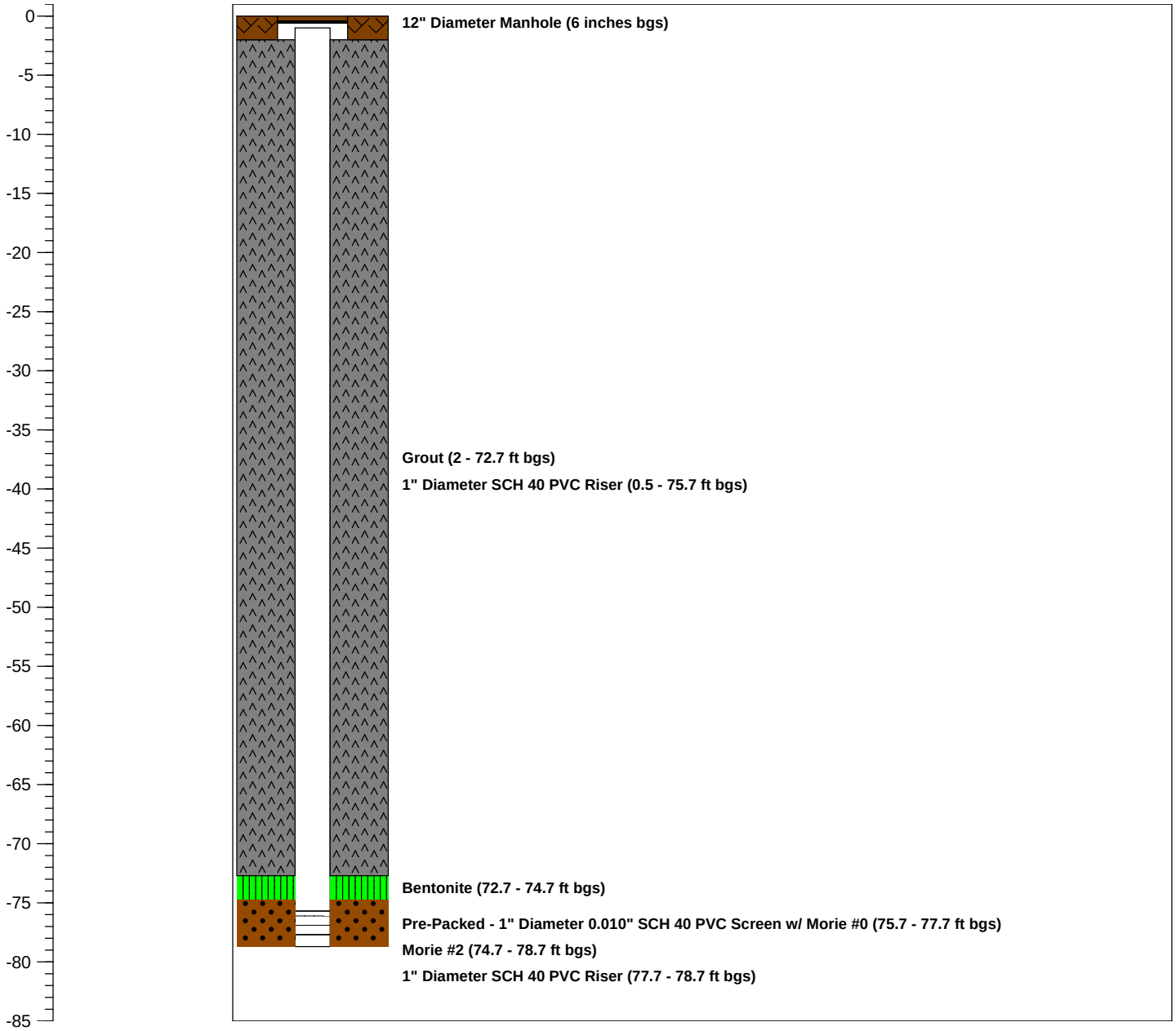
TOTAL DEPTH: **78.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-23D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/14/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

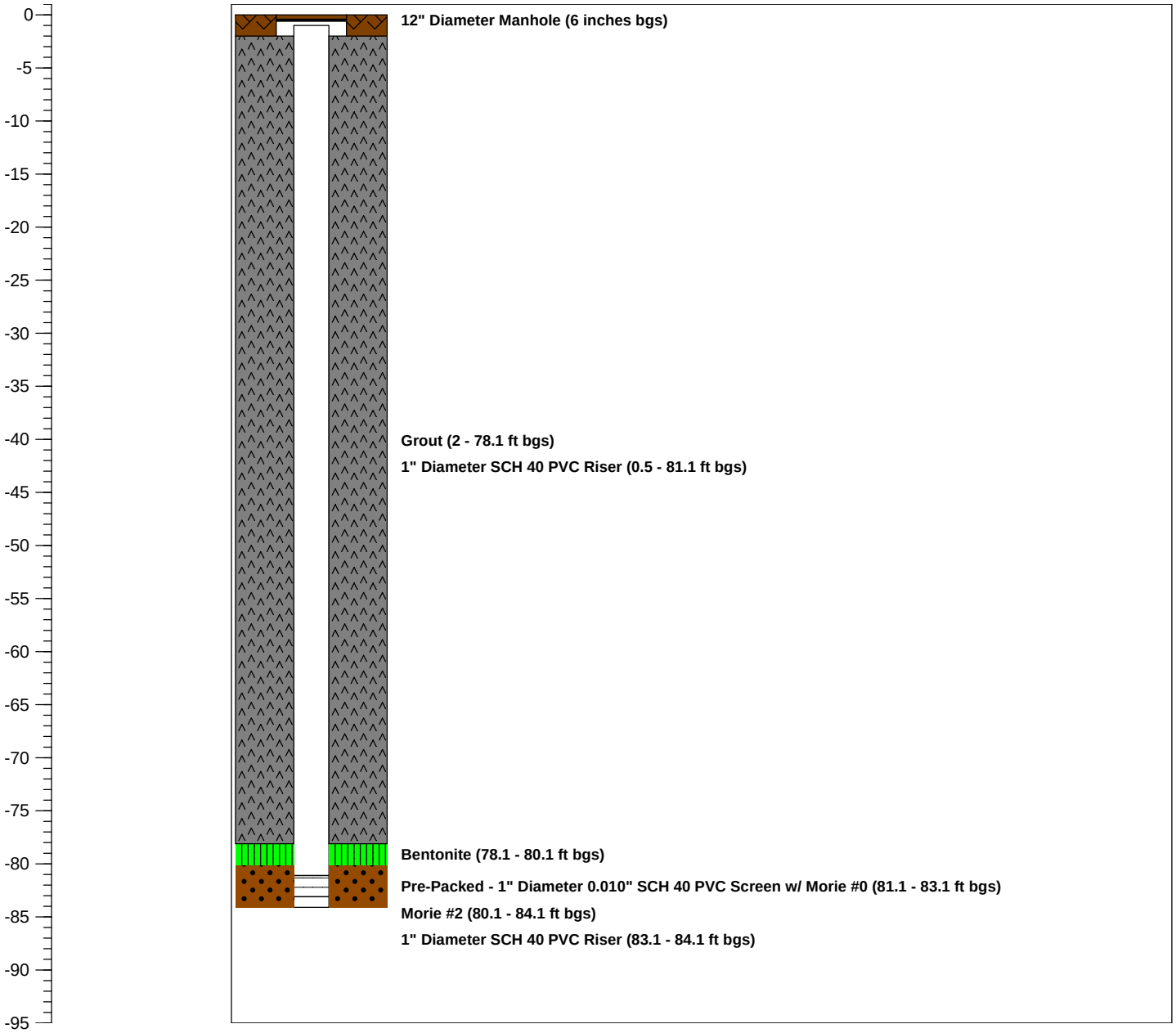
TOTAL DEPTH: **84.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-14D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/14/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

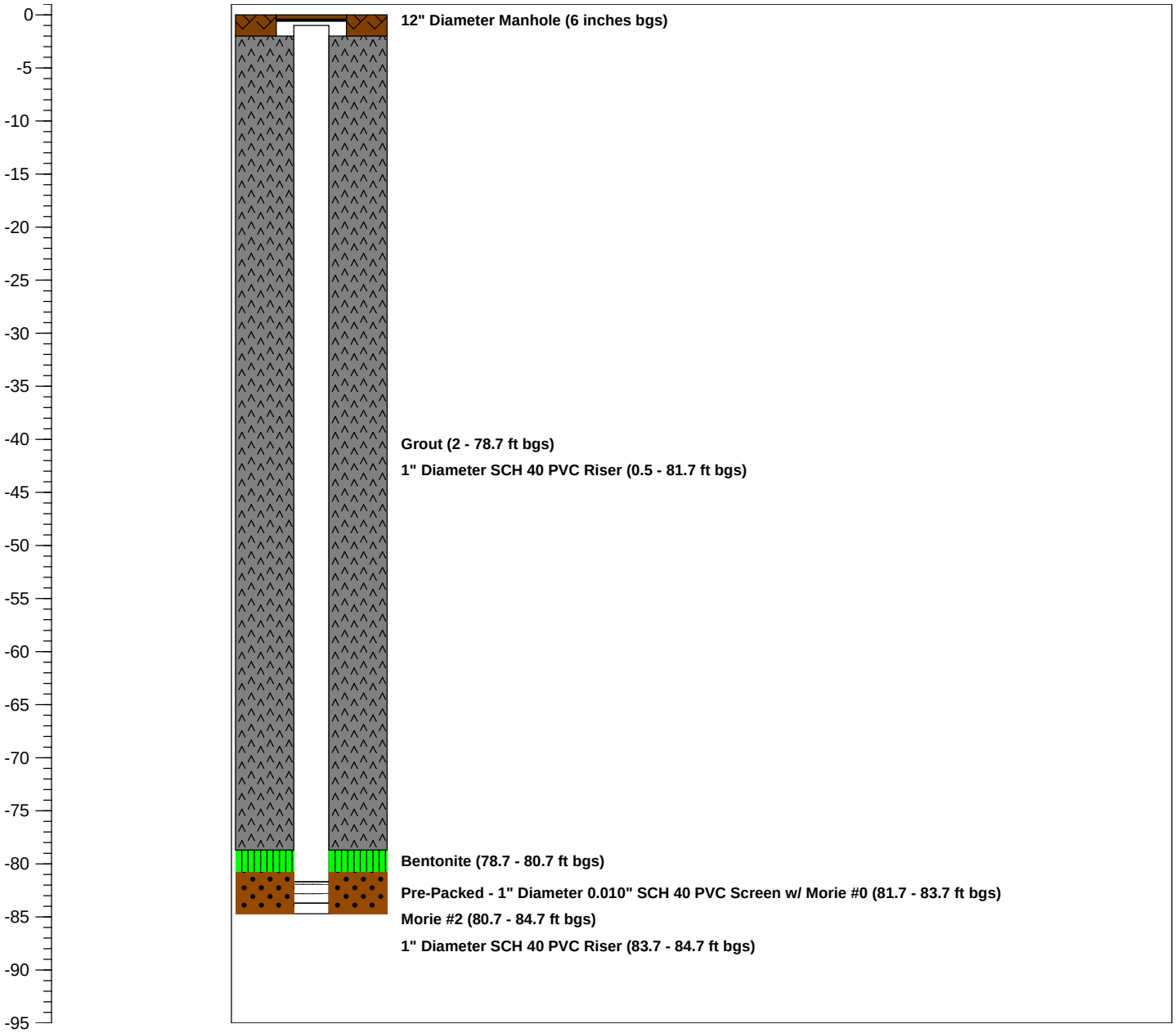
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**84.7'**	WELL NO.:	**OW-1-13D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/14/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 15, 2010
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan Sr.	F&N	Support Truck
Joe Palmeri	F&N	
John Marchetti	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Barry Rummel	Glacier	GeoProbe 8040
Marvin Bell	Glacier	Drill Support Truck
Gregory Smith	F&N (Local 138)	
Mike Smith	F&N	

Detailed Summary of Work Performed

Utilized backhoe and dump truck and continued trenching of the sidewalk area along Smith Street, approximately 36 inches bgs. Hand cleared around existing well heads and gas main. Installed two (2) sets of 6 inch diameter PVC sleeve approximatelt 30 feet in length by the underground fuel oil tank. Backfilled and tamped 6 inch lifts. Installed tracer tape 18 inches bgs. Transported excavated soil back to the Intersection Street staging yard. Transported well development equipment to site. Developed (OW-1-54). Mobilized GeoProbe 8040 to site and installed two (2) injection points (OW-1-12D, OW-1-11D) to 85.3 feet bgs, 86.1 feet bgs.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

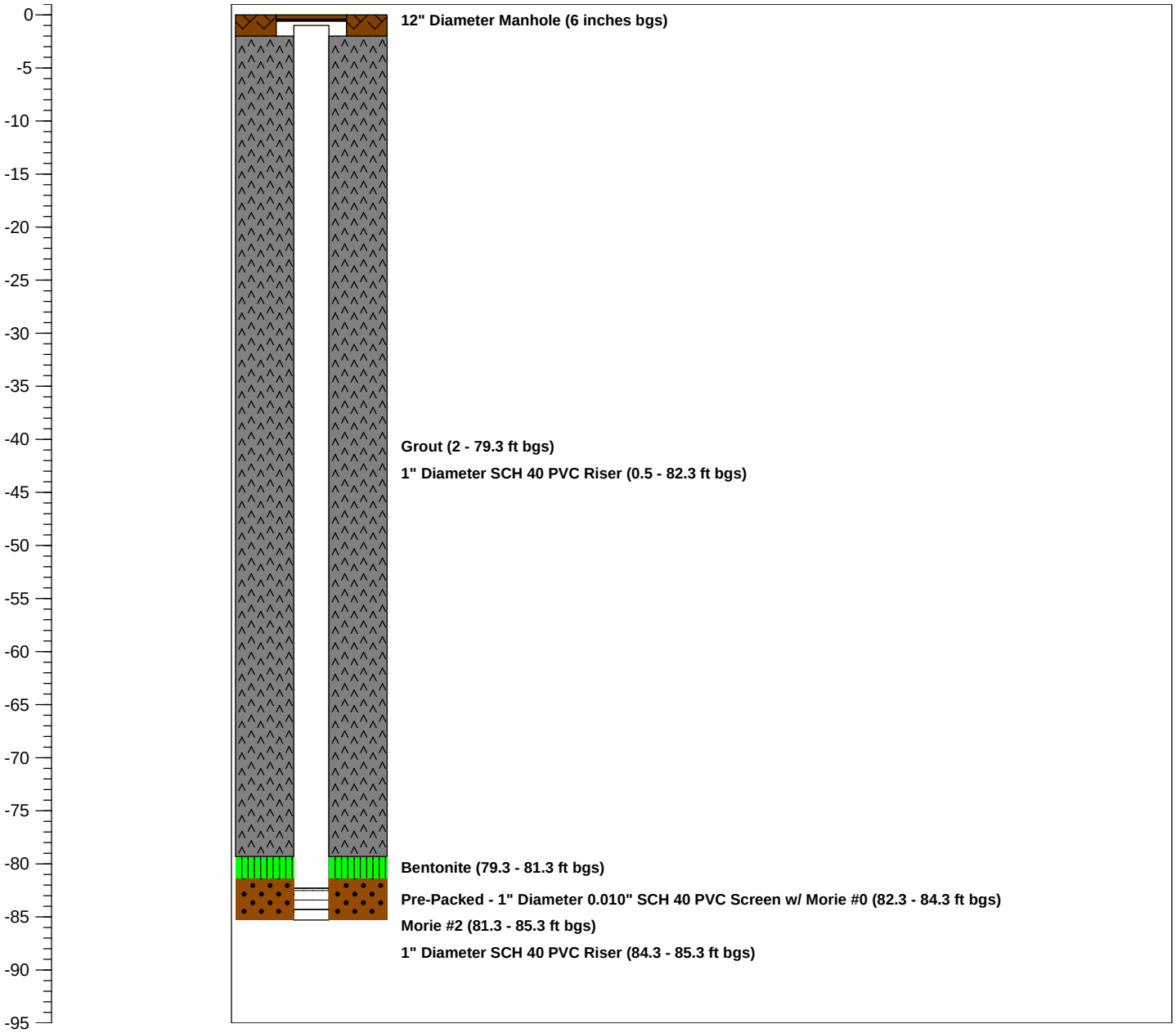
TOTAL DEPTH: **85.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-12D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/15/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

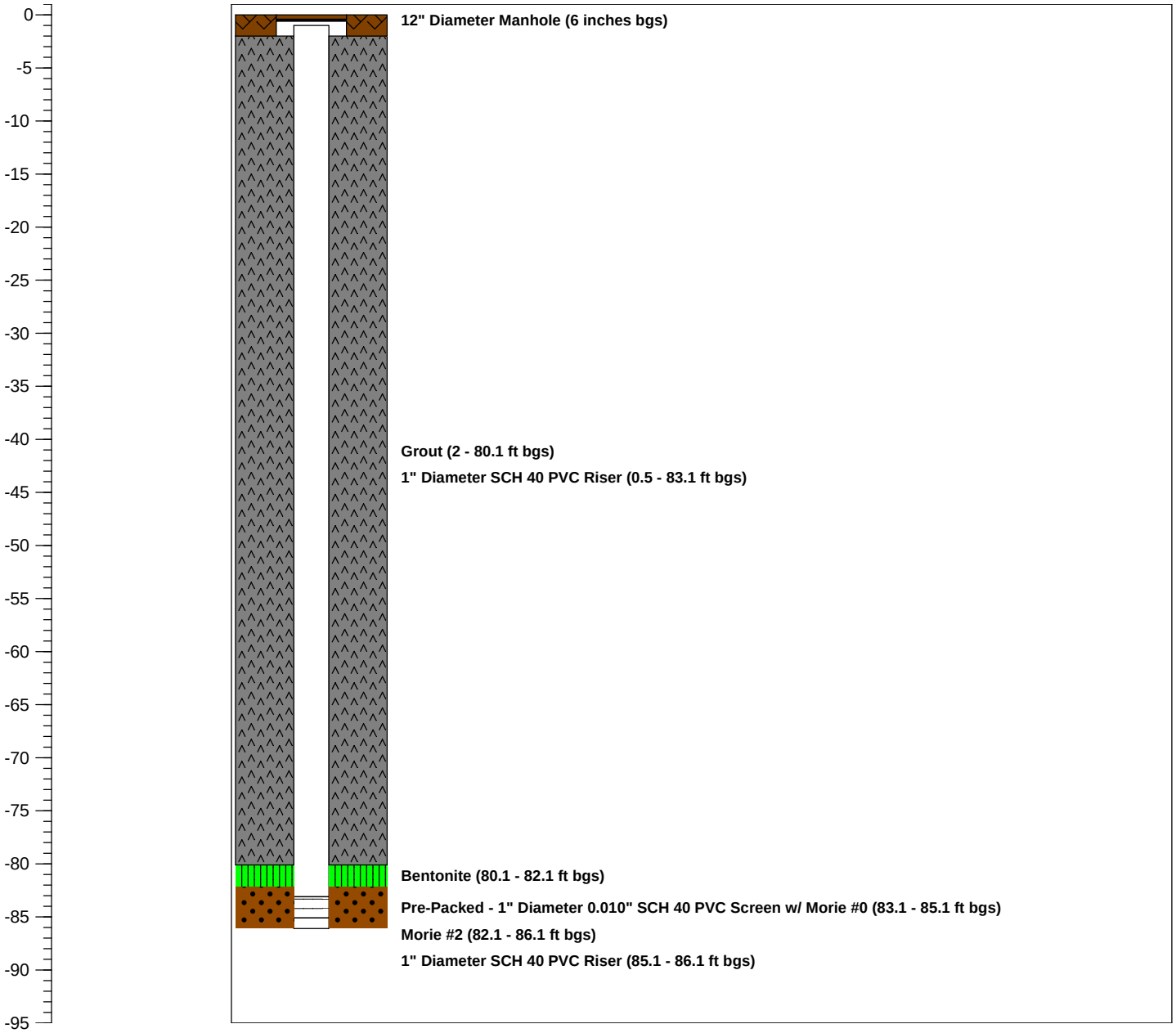
TOTAL DEPTH: **86.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-11D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/15/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-54	Date	12/15/2010	Gallons Recovered	5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1140	24.31	12.23	3.970	0.0	8.10	Dark Brown
1150	Not Measured	10.56	0.523	0.0	7.80	Light Brown
1200	Not Measured	8.88	0.530	0.0	6.50	Light Brown
1230	Not Measured	8.85	0.496	0.0	5.40	Light Brown
1240	Not Measured	7.29	0.377	0.0	11.10	Light Brown
1250	Not Measured	6.04	0.352	0.0	11.80	Clear
1300	Not Measured	5.38	0.355	0.0	10.10	Clear
1310	Not Measured	5.14	0.365	0.0	9.10	Clear

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 16, 2010
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
Joe Palmeri	F&N	
John Marchetti	F&N	Dump Truck
Charlie Guzzardo	F&N	
Mike Smith	F&N	

Detailed Summary of Work Performed

Transported well development equipment to site. Developed (OW-1-53, OW-52). Transported loads of tank sand to site and beded open trench areas with 6 inch base. Tamped all areas as required. Installed tees and ball valves on the 1 inch injection wells as needed. Transported all debris to the Intersection Street staging yard for disposal and covered materials. Decontaminated GeoProbe rods at the Intersection Street staging yard.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-53	Date	12/16/2010	Gallons Recovered	5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	24.00	6.16	0.333	0.0	12.90	Light Brown
1110	Not Measured	4.66	0.330	0.0	13.90	Light Brown
1120	Not Measured	4.45	0.328	0.0	14.00	Clear
1130	Not Measured	4.38	0.330	0.0	13.00	Clear
1140	Not Measured	4.35	0.328	0.0	13.90	Clear

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 17, 2010
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	
John Marchetti	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Charlie Guzzardo	F&N	
Mike Smith	F&N	

Detailed Summary of Work Performed

Utilized backhoe and dump truck and continued trenching of the sidewalk area along Smith Street, and asphalt road at the corner of Smith Street and Wendell Street, approximately 36 inches bgs. Hand cleared around existing well heads and underground water and electric lines. Transported and installed steel road plate to cover the open trench in front of driveways. Backfilled and tamped 6 inch lifts. Transported all excavated soil back to the Intersection Street staging yard. Installed tees and ball valves to injection points as needed. Transported well development equipment to site. Developed (OW-1-51, OW-1-50, OW-1-49).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-52	Date	12/17/2010	Gallons Recovered	2.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	24.20	6.77	0.320	0.0	13.10	Cloudy
1115	Not Measured	6.11	0.311	0.0	13.60	Clear
1130	Not Measured	5.60	0.305	0.0	13.40	Clear
1145	Not Measured	5.38	0.300	0.0	13.40	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-51	Date	12/17/2010	Gallons Recovered	2.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1315	21.95	12.71	18.6	0.0	12.00	Cloudy
1330	Not Measured	12.76	18.8	0.0	10.40	Cloudy
1345	Not Measured	12.92	18.3	0.0	7.00	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-50	Date	12/17/2010	Gallons Recovered	3	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1415	23.20	10.60	0.595	0.0	12.00	Brown
1430	Not Measured	9.85	0.518	0.0	12.30	Light Brown
1445	Not Measured	8.77	0.457	0.0	12.00	Clear
1500	Not Measured	8.65	0.458	0.0	11.80	Clear

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 20, 2010
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	
John Marchetti	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Charlie Guzzardo	F&N	
Mike Smith	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Utilized backhoe and dump truck and continued trenching of the asphalt road at the corner of Smith Street and Wendell Street, approximately 36 inches bgs. Hand cleared around existing gas and water mains. Backfilled and tamped 6 inch lifts. Transported all asphalt and broken concrete back to the Intersection Street staging yard for disposal. Cut manholes to fit in sidewalk area along Smith Street. Installed tees and ball valves to injection points as needed. Transported well development equipment to site. Developed (OW-1-48, OW-1-47, OW-1-46, OW-1-45, OW-1-44).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-49	Date	12/20/2010 12/22/2010	Gallons Recovered	9.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
900	23.80	9.12	0.450	0.0	12.70	Cloudy
915	Not Measured	8.39	0.446	0.0	12.60	Cloudy
930	Not Measured	8.12	0.448	0.0	11.20	Cloudy
845	23.50	6.25	0.429	0.0	14.30	Cloudy
900	Not Measured	5.88	0.432	0.0	14.40	Clear
915	23.50	5.86	0.430	0.0	14.40	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-48	Date	12/20/2010 12/22/2010	Gallons Recovered	9	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
945	23.50	7.83	,500	0.0	10.60	Brown
1000	Not Measured	7.34	,508	0.0	10.50	Light Brown
1015	Not Measured	7.15	0.506	0.0	10.80	Cloudy
1030	Not Measured	7.05	0.502	0.0	10.20	Cloudy
1020	23.20	6.11	0.505	0.0	13.40	Light Brown
1035	Not Measured	6.00	0.497	0.0	13.80	Clear
1050	Not Measured	5.98	0.491	0.0	13.90	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-47	Date	12/20/2010	Gallons Recovered	6	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	23.40	6.93	0.486	0.0	12.30	Brown
1115	Not Measured	6.60	0.511	0.0	12.80	Cloudy
1130	Not Measured	6.37	0.510	0.0	13.00	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-46	Date	12/20/2010	Gallons Recovered	4.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1145	23.30	6.13	0.502	0.0	12.50	Silty
1200	Not Measured	5.98	0.513	0.0	11.80	Light Brown
1215	Not Measured	5.85	0.517	0.0	11.90	Cloudy
1230	Not Measured	5.92	0.520	0.0	11.70	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-45	Date	12/20/10 12/22/10	Gallons Recovered	11.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1345	23.20	6.46	0.544	0.0	13.30	Silty
1400	Not Measured	6.25	0.547	0.0	13.50	Cloudy
1415	Not Measured	6.12	0.546	0.0	13.50	Light Brown
1430	Not Measured	5.99	0.547	0.0	12.80	Cloudy
1120	22.60	6.28	0.525	0.0	12.70	Light Brown
1135	Not Measured	6.14	0.547	0.0	13.30	Cloudy
1150	22.60	6.08	0.544	0.0	13.40	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-44	Date	12/22/2010	Gallons Recovered	13		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1330	23.20	6.51	0.571	0.7	12.40	Brown	No Odor
1345	Not Measured	6.32	0.568	0.7	13.60	Cloudy	No Odor
1400	Not Measured	6.15	0.567	0.4	13.50	Cloudy	No Odor
1415	Not Measured	6.09	0.567	0.4	13.50	Cloudy	No Odor
1430	Not Measured	6.05	0.563	0.4	13.30	Cloudy	No Odor
1445	Not Measured	6.03	0.561	0.3	13.30	Cloudy	No Odor
1500	23.30	6.02	0.560	0.2	13.40	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 21, 2010
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Megan Dascoli	URS	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
John Marchetti	F&N	
Charlie Guzzardo	F&N	Support Truck
Joe Palmeri	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Sr.	F&N	

Detailed Summary of Work Performed

Transported tank sand to the work site located on Smith Street. Utilized backhoe to continue digging trench to 36 inches bgs. Transported excavated soil back to the Intersection Street staging yard for stockpiling. Spread and tamped tank sand at the bottom of the newly opened trench. Transported rolls of HDPE Oxygen lines to the work site and started pulling and connecting lines to the respective injection points. Developed three (3) injection wells along Smith Street (OW-1-41S, OW-1-40D, OW-1-40S).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-41S	Date	12/21/2010	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1000	22.80	6.63	0.374	0.8	12.90	Light Brown	Slight Odor
1015	Not Measured	6.08	0.366	1.2	12.80	Cloudy	Slight Odor
1035	Not Measured	5.97	0.362	1.0	13.30	Clear	Slight Odor
1050	22.70	6.02	0.360	0.4	13.40	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-40S	Date	12/21/2010	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1400	21.90	5.99	0.369	1.4	14.00	Light Brown	Strong Odor
1415	Not Measured	5.94	0.366	25.1	14.10	Cloudy	Strong Odor
1430	Not Measured	5.94	0.368	11.9	14.00	Cloudy	Strong Odor
1445	21.60	5.93	0.364	20.2	14.10	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-40D	Date	12/21/2010	Gallons Recovered	8		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1120	22.60	8.01	0.532	0.0	12.80	Silty	No Odor
1135	Not Measured	6.54	0.575	0.0	13.10	Silty	No Odor
1150	Not Measured	6.23	0.576	0.0	13.20	Silty	No Odor
1205	Not Measured	6.03	0.561	0.0	13.30	Gray	No Odor
1220	Not Measured	5.94	0.552	0.0	13.20	Cloudy	No Odor
1235	22.70	5.90	0.545	0.0	13.10	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 22, 2010
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Megan Dascoli	URS	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
John Marchetti	F&N	
Charlie Guzzardo	F&N	Support Truck
Joe Palmeri	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Sr.	F&N	

Detailed Summary of Work Performed

Transported tank sand to the work site located on Smith Street. Utilized backhoe to continue digging trench to 36 inches bgs. Transported excavated soil back to the Intersection Street staging yard for stockpiling. Spread and tamped tank sand at the bottom of the newly opened trench. Transported rolls of HDPE Oxygen lines to the work site and started pulling and connecting lines to the respective injection points. Developed four (4) injection wells along Smith Street (OW-1-49, OW-1-48, OW-1-45, OW-1-44).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-49	Date	12/20/2010 12/22/2010	Gallons Recovered	9.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
900	23.80	9.12	0.450	0.0	12.70	Cloudy
915	Not Measured	8.39	0.446	0.0	12.60	Cloudy
930	Not Measured	8.12	0.448	0.0	11.20	Cloudy
845	23.50	6.25	0.429	0.0	14.30	Cloudy
900	Not Measured	5.88	0.432	0.0	14.40	Clear
915	23.50	5.86	0.430	0.0	14.40	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-48	Date	12/20/2010 12/22/2010	Gallons Recovered	9	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
945	23.50	7.83	,500	0.0	10.60	Brown
1000	Not Measured	7.34	,508	0.0	10.50	Light Brown
1015	Not Measured	7.15	0.506	0.0	10.80	Cloudy
1030	Not Measured	7.05	0.502	0.0	10.20	Cloudy
1020	23.20	6.11	0.505	0.0	13.40	Light Brown
1035	Not Measured	6.00	0.497	0.0	13.80	Clear
1050	Not Measured	5.98	0.491	0.0	13.90	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-45	Date	12/20/10 12/22/10	Gallons Recovered	11.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1345	23.20	6.46	0.544	0.0	13.30	Silty
1400	Not Measured	6.25	0.547	0.0	13.50	Cloudy
1415	Not Measured	6.12	0.546	0.0	13.50	Light Brown
1430	Not Measured	5.99	0.547	0.0	12.80	Cloudy
1120	22.60	6.28	0.525	0.0	12.70	Light Brown
1135	Not Measured	6.14	0.547	0.0	13.30	Cloudy
1150	22.60	6.08	0.544	0.0	13.40	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-44	Date	12/22/2010	Gallons Recovered	13		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1330	23.20	6.51	0.571	0.7	12.40	Brown	No Odor
1345	Not Measured	6.32	0.568	0.7	13.60	Cloudy	No Odor
1400	Not Measured	6.15	0.567	0.4	13.50	Cloudy	No Odor
1415	Not Measured	6.09	0.567	0.4	13.50	Cloudy	No Odor
1430	Not Measured	6.05	0.563	0.4	13.30	Cloudy	No Odor
1445	Not Measured	6.03	0.561	0.3	13.30	Cloudy	No Odor
1500	23.30	6.02	0.560	0.2	13.40	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 23, 2010
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Megan Dascoli	URS	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
John Marchetti	F&N	
Charlie Guzzardo	F&N	Support Truck
Joe Palmeri	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Sr.	F&N	

Detailed Summary of Work Performed

Transported rolls of HDPE Oxygen lines to work area located on Smith Street. Pulled and connected the HDPE Oxygen lines to the respective injection points. Transported loads of sand and set up additional safety cones and barricades to the trench at the intersection of Wendell Street and Smith Street. Trench was blocked off by a berm of sand and safety cones for safety. Developed two (2) injection wells along Smith Street (OW-1-43, OW-1-42D).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-43	Date	12/23/2010	Gallons Recovered	13		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
935	22.50	6.62	0.560	5.1	12.70	Silty	Slight Odor
950	Not Measured	6.64	0.570	3.5	13.60	Cloudy	Slight Odor
1005	Not Measured	6.34	0.554	3.2	13.70	Cloudy	Slight Odor
1020	Not Measured	6.30	0.537	0.6	13.70	Cloudy	Slight Odor
1035	Not Measured	6.12	0.536	0.3	13.60	Cloudy	Slight Odor
1050	Not Measured	6.08	0.528	0.0	13.50	Cloudy	Slight Odor
1105	22.30	6.06	0.527	0.0	13.60	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-42D	Date	12/23/2010	Gallons Recovered	14		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1120	22.20	9.81	0.501	4.1	13.20	Light Gray	No Odor
1135	Not Measured	7.61	0.570	0.7	13.40	Light Brown	No Odor
1150	Not Measured	6.55	0.538	0.2	13.50	Cloudy	No Odor
1205	Not Measured	6.33	0.533	0.0	13.50	Cloudy	No Odor
1220	Not Measured	6.27	0.525	0.0	13.50	Cloudy	No Odor
1235	Not Measured	6.23	0.520	0.0	13.40	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 28, 2010
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Joe Palmeri	F&N	
John Marchetti	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Smith	F&N	
Charlie Guzzardo	F&N	Support Truck

Detailed Summary of Work Performed

Began plowing snow on Smith Street within the work area. Removed snow out of the trench. Transported the snow to the Intersection Street staging yard. Secured all safety cones and fencing around the trench and work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed slip, trips and falls JSA.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 29, 2010
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Joe Palmeri	F&N	
John Marchetti	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Smith	F&N	
Charlie Guzzardo	F&N	Support Truck

Detailed Summary of Work Performed

Continued removing snow out of the trench and work area. Transported the snow to the Intersection Street staging yard. Cleaned up snow around the existing connected HDPE Oxygen lines and continued to connect additional lines to the respective injection points. Secured all safety cones and fencing around the trench and work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines. Reviewed cold weather safety. Traffic awareness and eye contact with heavy machine operator.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	December 30, 2010
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Joe Palmeri	F&N	
John Marchetti	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck

Detailed Summary of Work Performed

Continued removing snow out of the trench and the work area. Transported the snow to the Intersection Street staging yard. Cleaned up lose soils around the existing connected HDPE Oxygen lines and continued to connect additional lines to the respective injection points. Secured all safety cones and fencing around the trench and work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines. Reviewed cold weather safety. Traffic awareness and eye contact with heavy machine operator.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 3, 2011
Weather Conditions:	Clear, ~40° F
Hours of Operation:	7:00 AM to 4:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Dump Truck
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Megan Dascoli	URS	
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Mark Schock	Glacier	GeoProbe 8040
Mike Aldo	Glacier	

Detailed Summary of Work Performed

Removed snow from the work area on Smith Street and transported back to the Intersection Street staging yard. Utilized jackhammer to break asphalt and precleared one injection well location (OW-1-2) to 5 feet bgs. Cleared out soil around the HDPE Oxygen lines within the trench. Continued to pull HDPE Oxygen lines and connect them to the respective injection points. Secured snow fence and barricades throughout the work area to reinsure safety. Precleared one (1) injection point locations. Mobilized GeoProbe 8040 to site and installed two (2) injection points (OW-1-2 & OW-1-3) to depths of 96.5 feet bgs and 96.3 feet bgs respectively.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Dicussed caution of pedestrian traffic.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

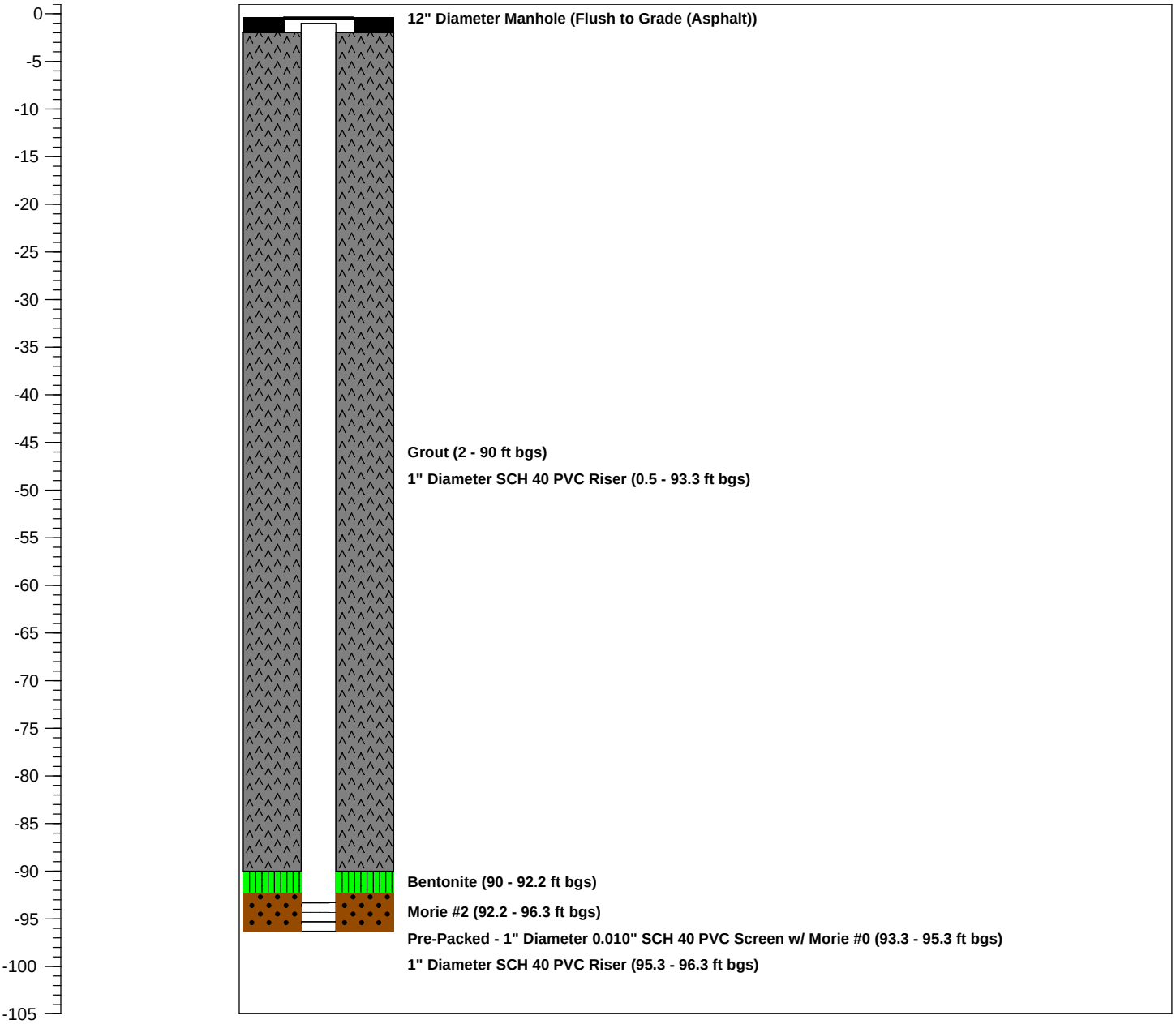
TOTAL DEPTH: **96.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-2**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **1/3/11**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

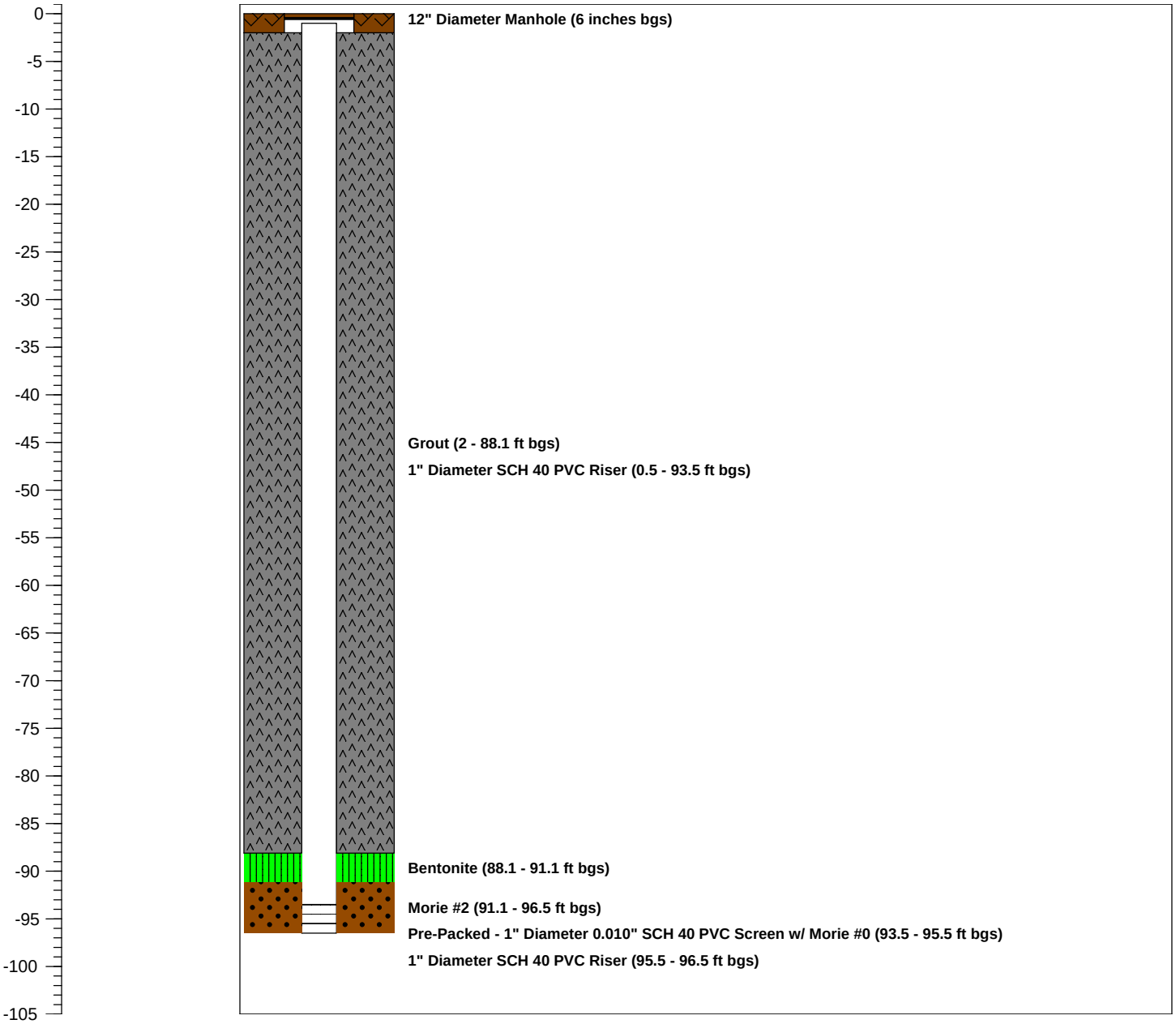
TOTAL DEPTH: **96.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-3**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **1/3/11**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 4, 2011
Weather Conditions:	Clear, ~35° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Joe Palmeri	F&N	Dump Truck
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Megan Dascoli	URS	
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Ashton Ali	F&N	
Mark Schock	Glacier	GeoProbe 8040
Mike Aldo	Glacier	

Detailed Summary of Work Performed

Transported & set up safety cones and road signs near the intersection of Atlantic Avenue at Hilton Avenue for single lane closure in order to drill OW-1-1. Utilized jackhammer to break asphalt and precleared one injection well location (OW-1-1) to 5 feet bgs. Mobilized GeoProbe 8040 to site and installed two (2) injection points (OW-1-1 & OW-1-10D) to depths of 95.5 feet bgs and 87.2 feet bgs respectively. Cleared out soil around the HDPE Oxygen lines within the trench. Continued to pull HDPE Oxygen lines and connect them to the respective injection points. Secured snow fence and barricades throughout the work area to reinsure safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed caution of pedestrian traffic and safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

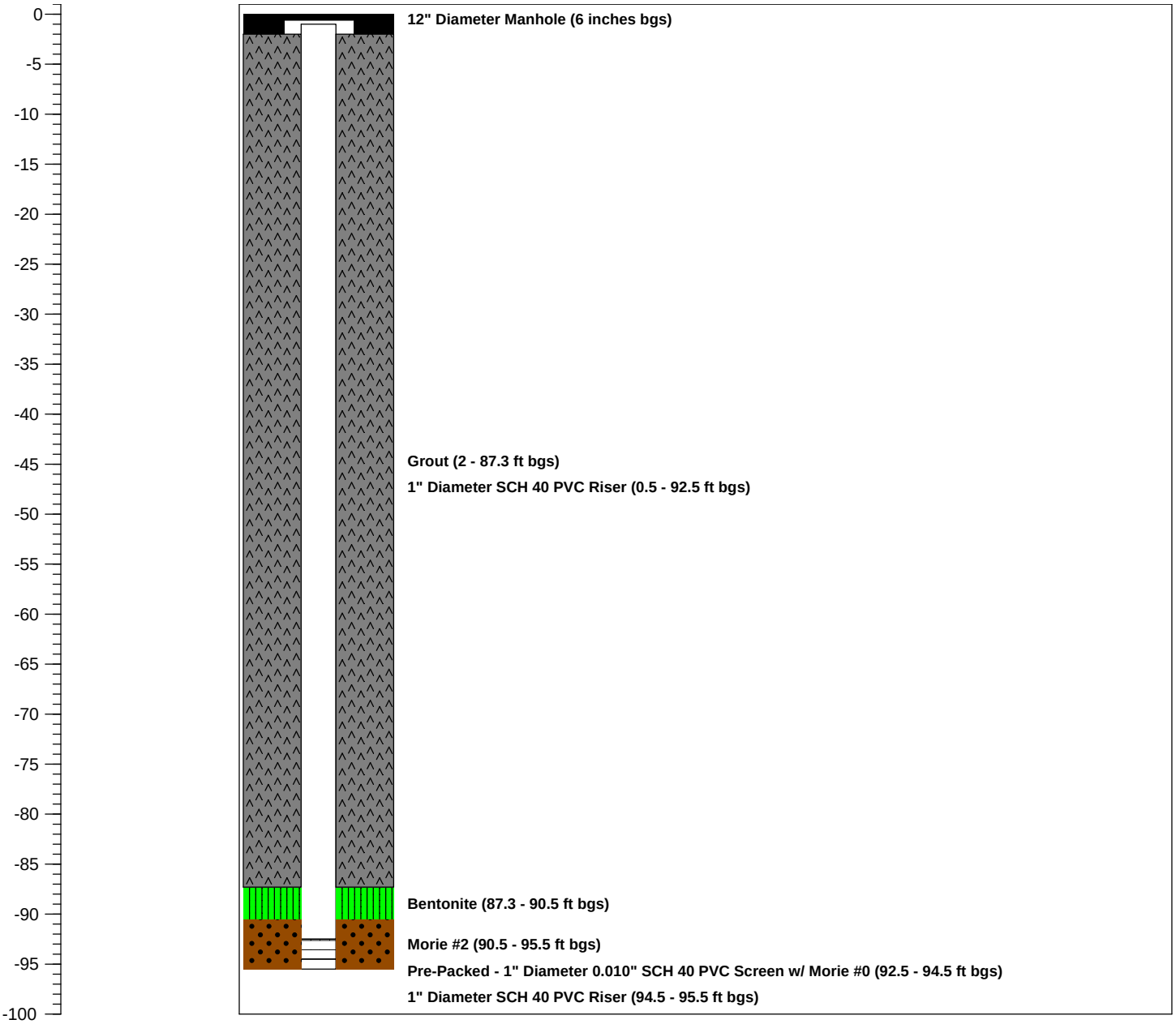
TOTAL DEPTH: **95.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-1**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **1/4/11**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

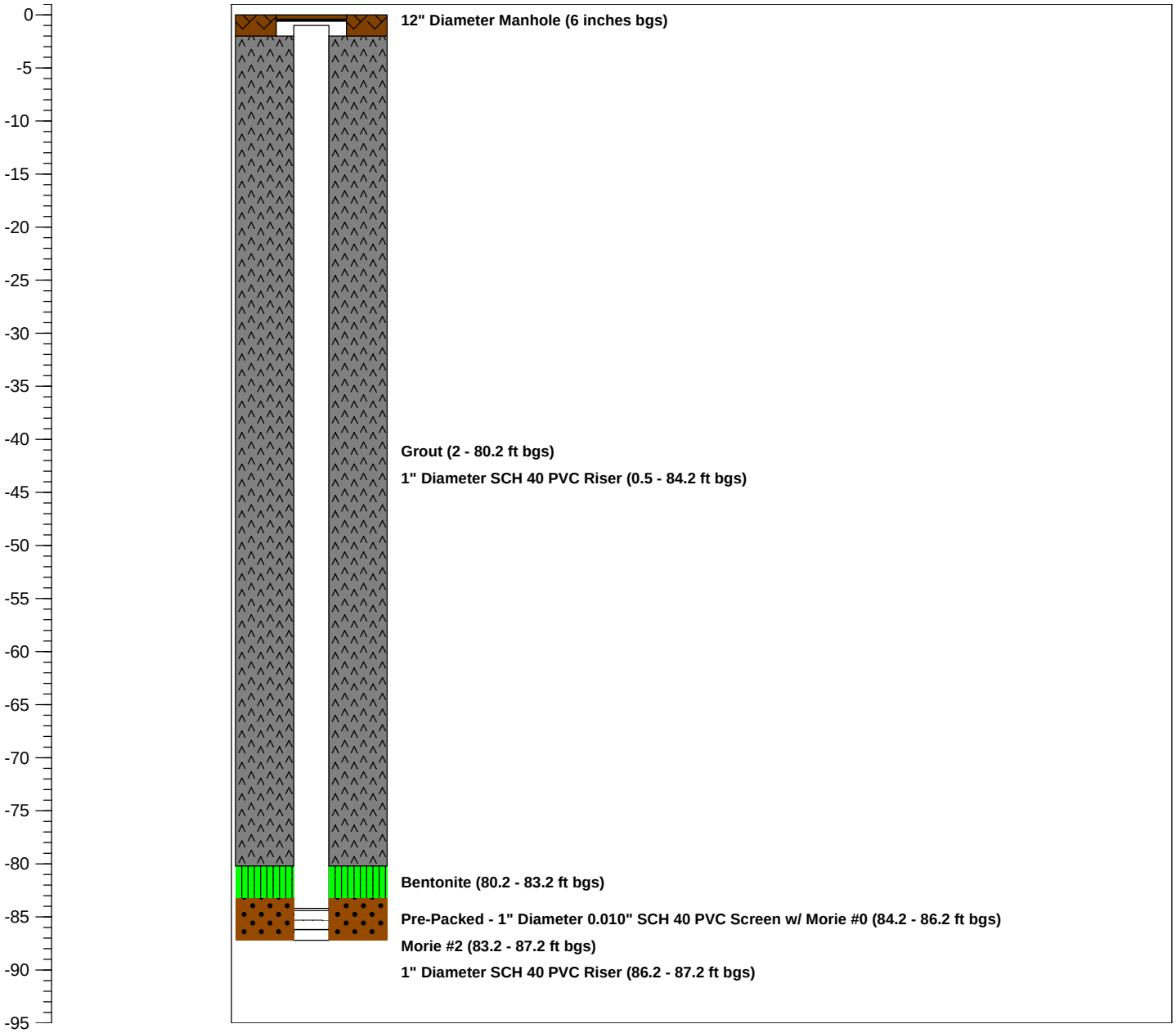
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**87.2'**	WELL NO.:	**OW-1-10D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**1/4/11**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 5, 2011
Weather Conditions:	Clear, ~35° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Megan Dascoli	URS	
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Joe Palmeri	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Mark Schock	Glacier	GeoProbe 8040
Mike Aldo	Glacier	

Detailed Summary of Work Performed

Continued to connect the remaining HDPE Oxygen lines to the corresponding injection wells along Smith Street. Backfilled trench with tank sand in a 12" lift and compacted. Set manholes to fit the corresponding injection wells. Continued developing injection wells along Smith Street. Mobilized GeoProbe 8040 to site and installed one (1) monitoring point (MP-1-1S) to depth of 65.0 feet bgs. Attempted to install one (1) monitoring point (MP-1-2S) two times. Refusal at ~15 feet bgs each time.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

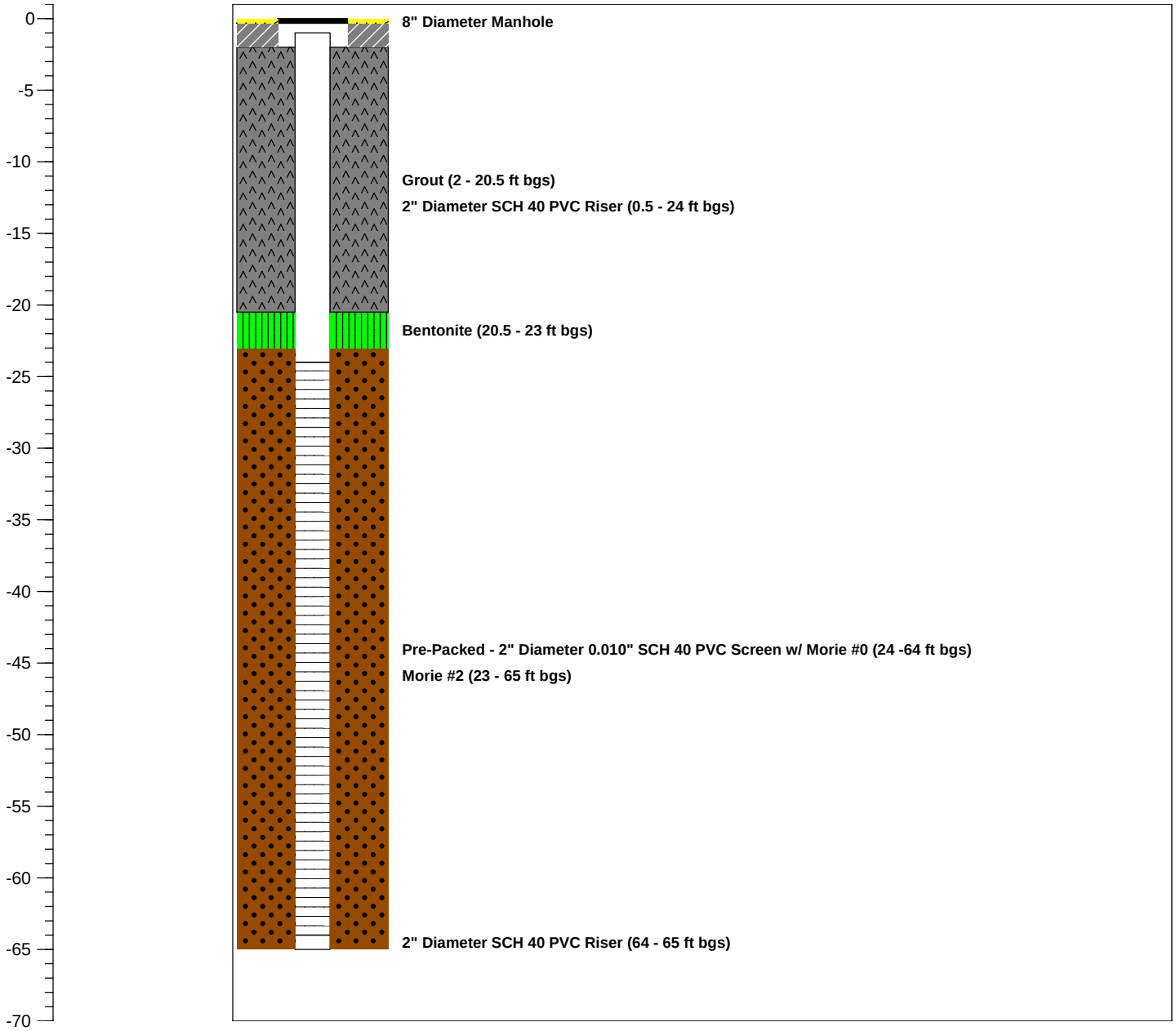
TOTAL DEPTH: **65.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **4.5"**

WELL NO.: **MP-1-1S**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: **-**
Dates Drilled: **1/5/11**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

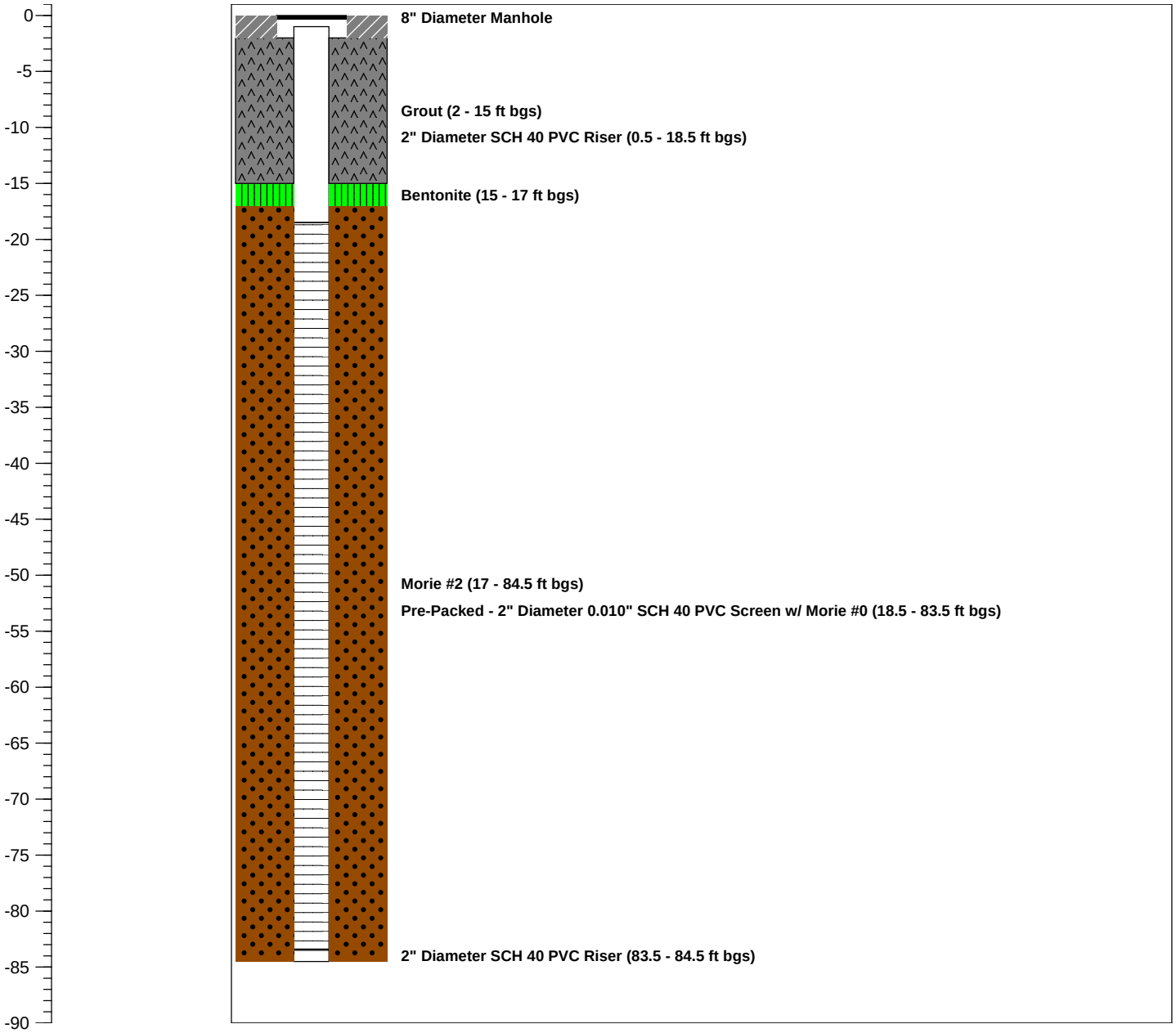
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**84.5'**	WELL NO.:	**MP-1-7**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**8"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Hollow Stem Auger**
Dates Drilled:	**1/5/11**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**CME-55LC**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-37D	Date	1/5/2011 1/6/2011	Gallons Recovered	22.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1415	21.50	11.21	0.622	0.6	13.00	Brown	No Odor
1430	Not Measured	8.88	0.628	0.0	13.60	Brown	No Odor
1445	Not Measured	8.16	0.587	0.0	13.70	Brown	No Odor
1500	Not Measured	6.82	0.552	0.0	13.60	Cloudy	No Odor
1515	21.50	6.48	0.535	0.0	13.60	Cloudy	No Odor
850	21.60	9.71	0.545	0.6	13.00	Cloudy	No Odor
905	Not Measured	7.43	0.542	0.5	13.30	Cloudy	No Odor
920	Not Measured	6.32	0.526	0.5	13.10	Cloudy	No Odor
935	Not Measured	6.08	0.518	0.4	13.20	Cloudy	No Odor
950	Not Measured	5.96	0.516	0.4	13.10	Cloudy	No Odor
1005	21.50	5.89	0.511	0.4	13.20	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 6, 2011
Weather Conditions:	Clear, ~35° F
Hours of Operation:	7:00 AM to 4:00 PM

Labor

Name	Company	Equipment Utilized
Megan Dascoli	URS	
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Joe Palmeri	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Mark Schock	Glacier	GeoProbe 8040
Mike Aldo	Glacier	

Detailed Summary of Work Performed

Compaction test performed on 12" lift of tank sand within the trench along Smith Street. Continued to backfill the trench in 12" lifts of common fill and additional compaction test was performed. Set manholes and backfilled trench to grade. Tamped RCA to grade within the trench at the end of Wendell Street. Backfilled the trench along the sidewalk of Smith Street in 12" lifts of tank sand. Installed eight (8) 3M Dynatel EMS RFID Marker Ball at various locations within the trench approximately 2 feet bgs. (Each marker ball was placed inbetween an injection well cluster or closest to the nearest well evenly through the trench located on Smith Street). 3M Marker Ball Locations: OW-1-25, OW-1-27, 10 feet east of the sewer located on the corner of Smith Street intersecting Wendell Street, OW-1-28, OW-1-31, OW-1-33, OW-1-35, OW-1-37. Continued developing four (4) injection wells along Smith Street (OW-1-37S, OW-1-36D, OW-1-36S, OW-1-37D). Mobilized GeoProbe 8040 to site and installed two (2) monitoring point (MP-1-2S, MP-1-8) to depths of 52.1 feet bgs and 60.2 feet bgs

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety and pinch point safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

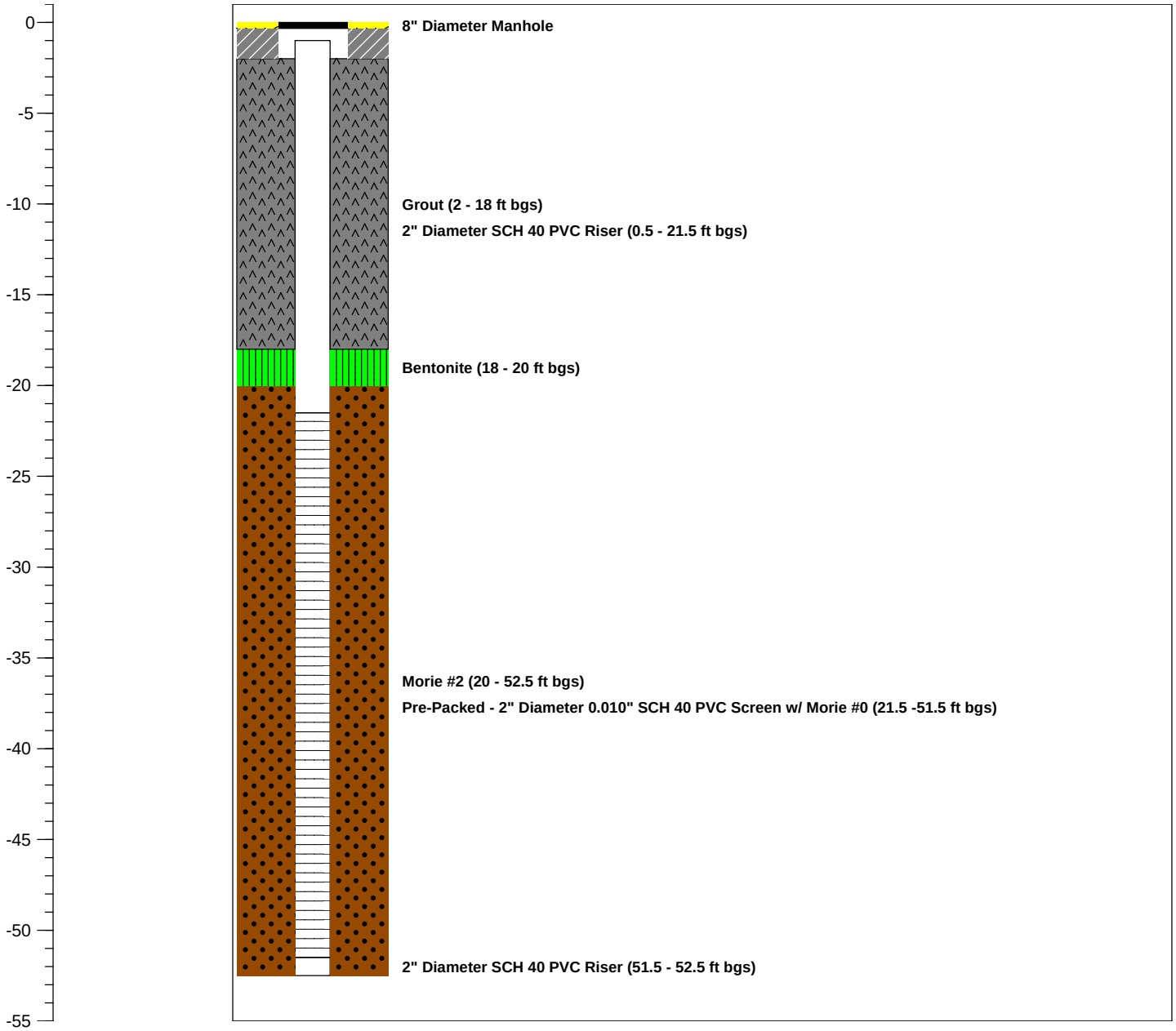
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**52.5'**	WELL NO.:	**MP-1-2S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**4.5"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**1/6/11**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

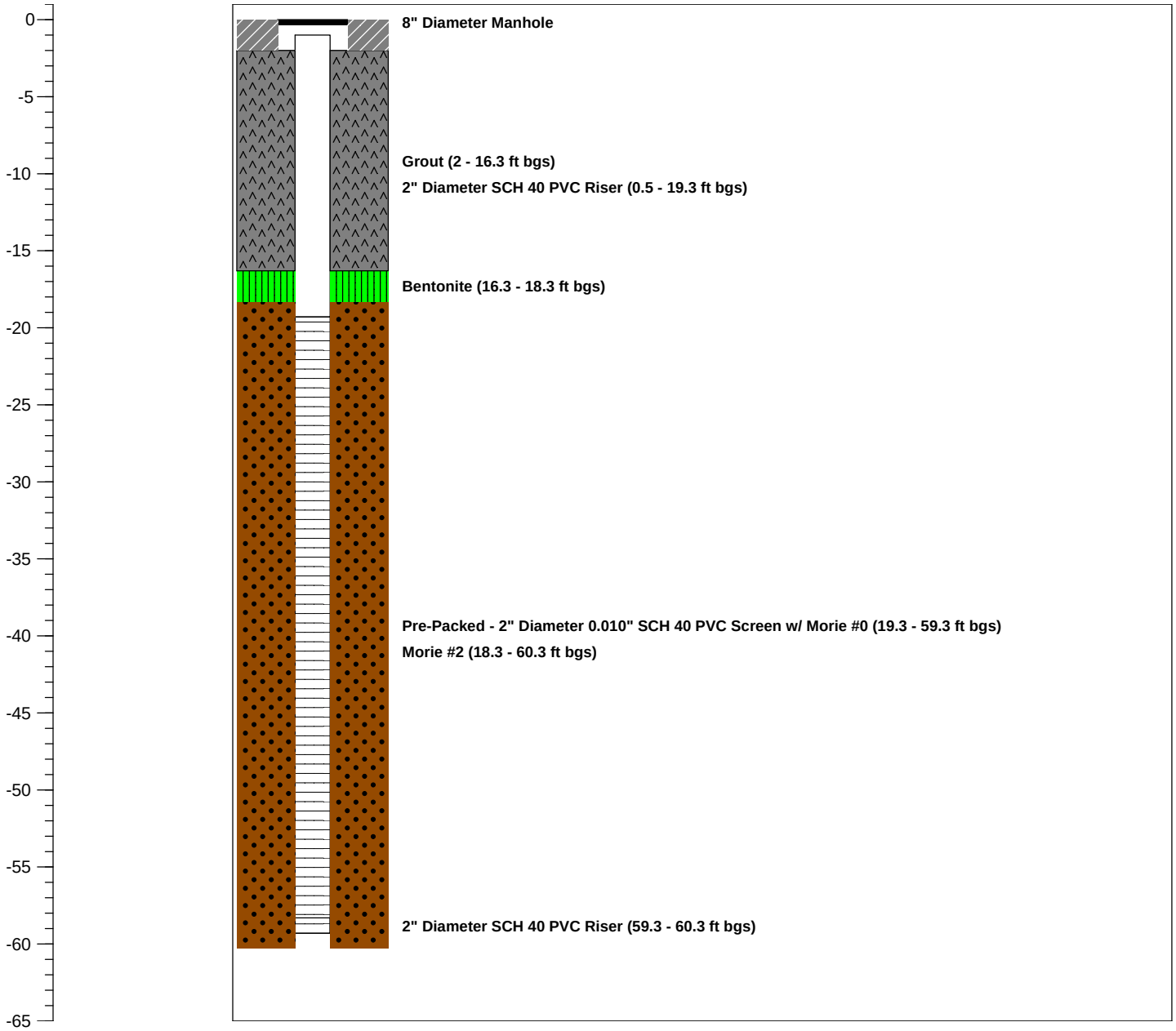
TOTAL DEPTH: **60.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **4.5"**

WELL NO.: **MP-1-8**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: **-**
Dates Drilled: **1/6/11**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-36S	Date	1/6/2011	Gallons Recovered	5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1415	21.50	6.48	0.414	12.1	12.70	Light Brown	Slight Odor
1430	Not Measured	6.25	0.409	13.8	13.40	Light Brown	Slight Odor
1445	Not Measured	6.23	0.410	14.0	13.60	Cloudy	Slight Odor
1500	21.50	6.22	0.411	13.5	13.60	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-36D	Date	1/6/2011	Gallons Recovered	13.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1115	21.50	8.67	0.398	2.9	12.70	Gray	Slight Odor
1130	Not Measured	7.72	0.550	0.4	13.40	Cloudy	Slight Odor
1145	Not Measured	6.74	0.504	0.3	13.40	Cloudy	Slight Odor
1200	Not Measured	6.18	0.486	0.2	13.40	Cloudy	Slight Odor
1215	Not Measured	6.01	0.476	0.0	13.40	Cloudy	Slight Odor
1230	21.40	5.94	0.472	0.0	13.30	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-37S	Date	1/6/2011	Gallons Recovered	4.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1015	21.80	6.29	0.432	0.0	13.10	Light Brown	No Odor
1030	Not Measured	6.02	0.428	0.0	13.70	Cloudy	No Odor
1045	Not Measured	5.92	0.426	0.0	13.70	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 7, 2011
Weather Conditions:	Clear, ~35° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Joe Palmeri	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Mike Ryan	F&N	

Detailed Summary of Work Performed

Backfilled the trench along the sidewalk of Smith Street in a 12" lift of tank sand. Tamped tank sand within the trench. Installed tracer wire 2 feet bgs inside the trench. Installed eight (8) 3M Dynatel EMS RFID Marker Ball at various locations within the trench approximately 2 feet bgs. (Each marker ball was placed inbetween an injection well cluster or closest to the nearest well evenly through the trench located on Smith Street). 3M Marker Ball Locations: OW-1-39, OW-1-41, OW-1-43, OW-1-46, OW-1-48, OW-1-50, OW-1-52, OW-1-54. Secured snowfence and barricades along the trench to provide safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trips and falls JSA.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 10, 2011
Weather Conditions:	Clear, ~25° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Joe Palmeri	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Mike Ryan	F&N	
Mark Schock	Glacier	GeoProbe 8040
Mike Aldo	Glacier	Drill Support Truck

Detailed Summary of Work Performed

Backfilled the trench along the sidewalk of Smith Street. Installed tracer wire 2 feet bgs inside the trench. Compaction test was performed within the trench. Set manholes around the injection wells and connected ball valves and fittings to the injection wells. Secured snowfence and barricades along the trench to provide safety. Mobilized GeoProbe 8040 to work site and installed one (1) monitoring point (MP-1-2D) to the depth of 81.0 feet bgs.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trips and falls JSA. Reviewed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

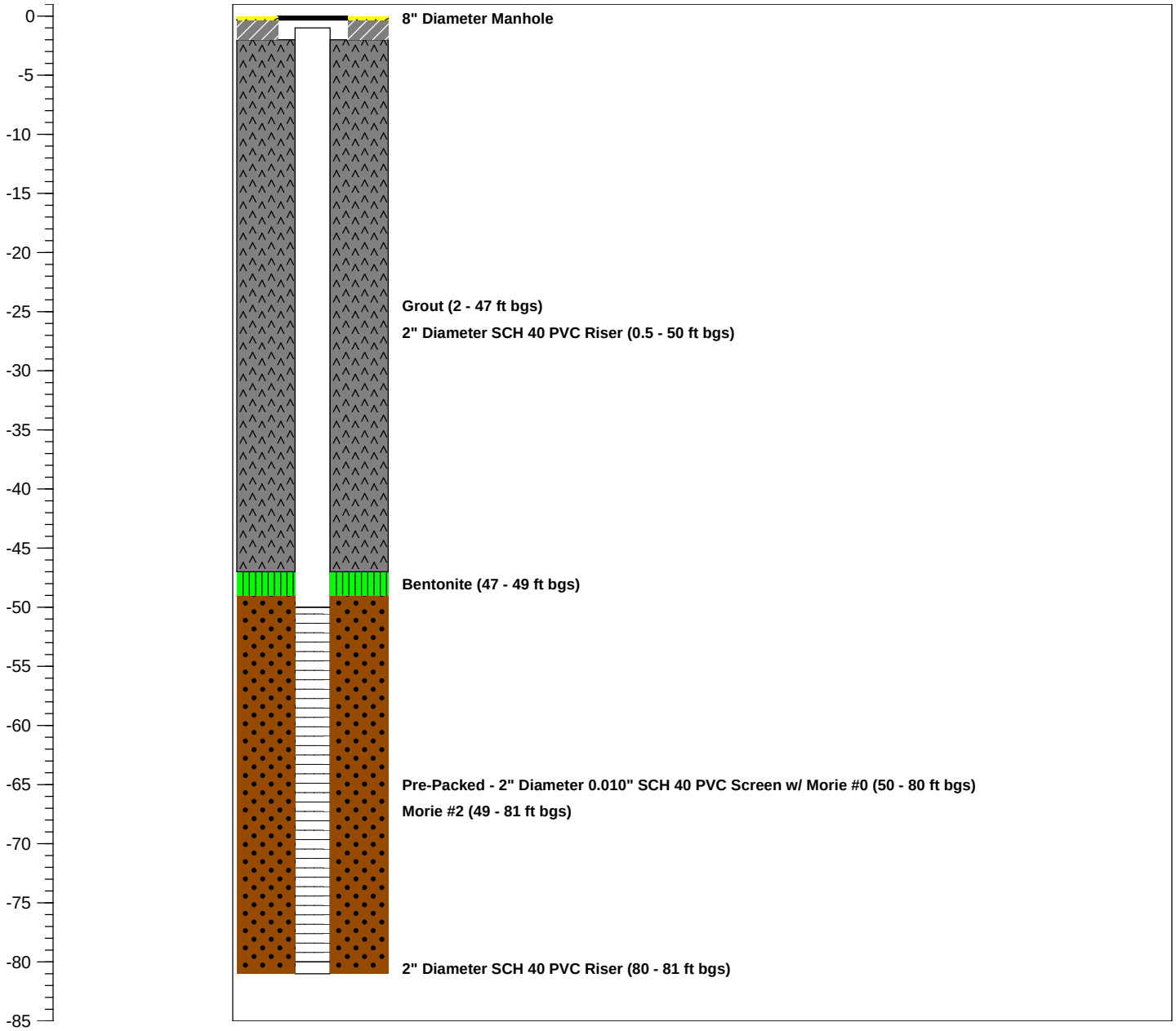
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**		
ADDRESS:	**National Grid** **Hempstead, New York**		
JOB #:	**1002955**		
TOTAL DEPTH:	**81'**	WELL NO.:	**MP-1-2D**
WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
BOREHOLE DIA.:	**8"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Hollow Stem Auger**
Dates Drilled:	**1/10/11**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**CME-55LC**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 11, 2011
Weather Conditions:	Clear, ~30° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Joe Palmeri	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Ron Traube	F&N	
Mark Schock	Glacier	GeoProbe 8040
Mike Aldo	Glacier	Drill Support Truck

Detailed Summary of Work Performed

Backfilled the trench along the sidewalk of Smith Street with tank sand and common fill from the Intersection Street staging yard. Installed tracer wire 2 feet bgs inside the trench. Set manholes around the injection wells and connected ball valves and fittings to the injection wells. Secured snowfence and barricades along the trench to provide safety. Mobilized GeoProbe 8040 to work site and installed one (1) monitoring point (MP-1-1D) to the depth of 89.0 feet bgs.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trips and falls JSA.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

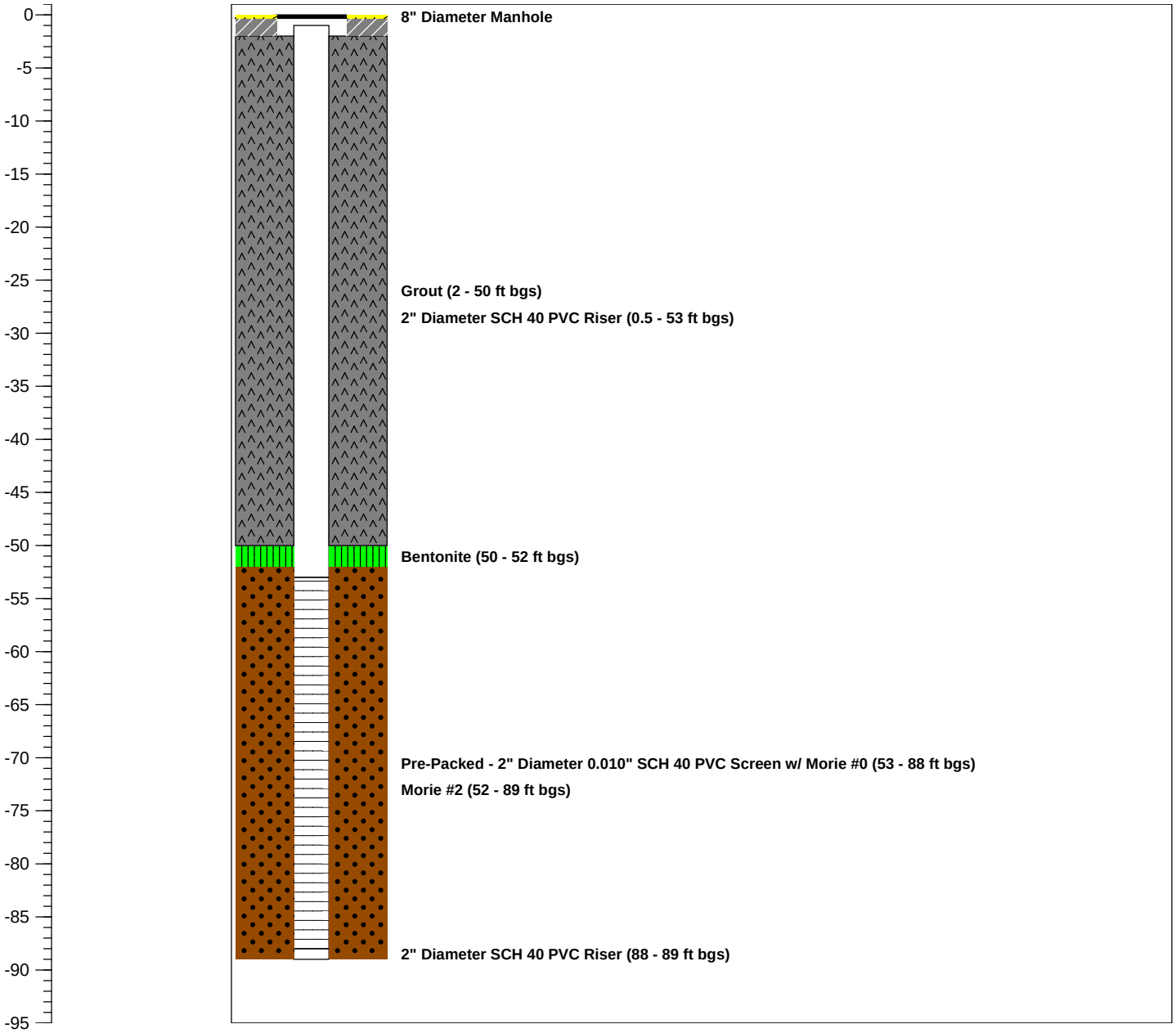
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**89'**	WELL NO.:	**MP-1-1D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**8"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Hollow Stem Auger**
Dates Drilled:	**1/11/11**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**CME-55LC**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 13, 2011
Weather Conditions:	Clear, ~30° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Joe Palmeri	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Jason Kamback	F&N	
Mark Schock	Glacier	GeoProbe 8040
Mike Aldo	Glacier	Drill Support Truck

Detailed Summary of Work Performed

Began removing snow out of the trench and work area. Transported the snow to the Intersection Street staging yard. Secured snowfence and barricades along the trench to provide safety. Mobilized GeoProbe 8040 to work site and installed one (1) monitoring point (MP-1-3D) to the depth of 79.0 feet bgs.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trips and falls JSA.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

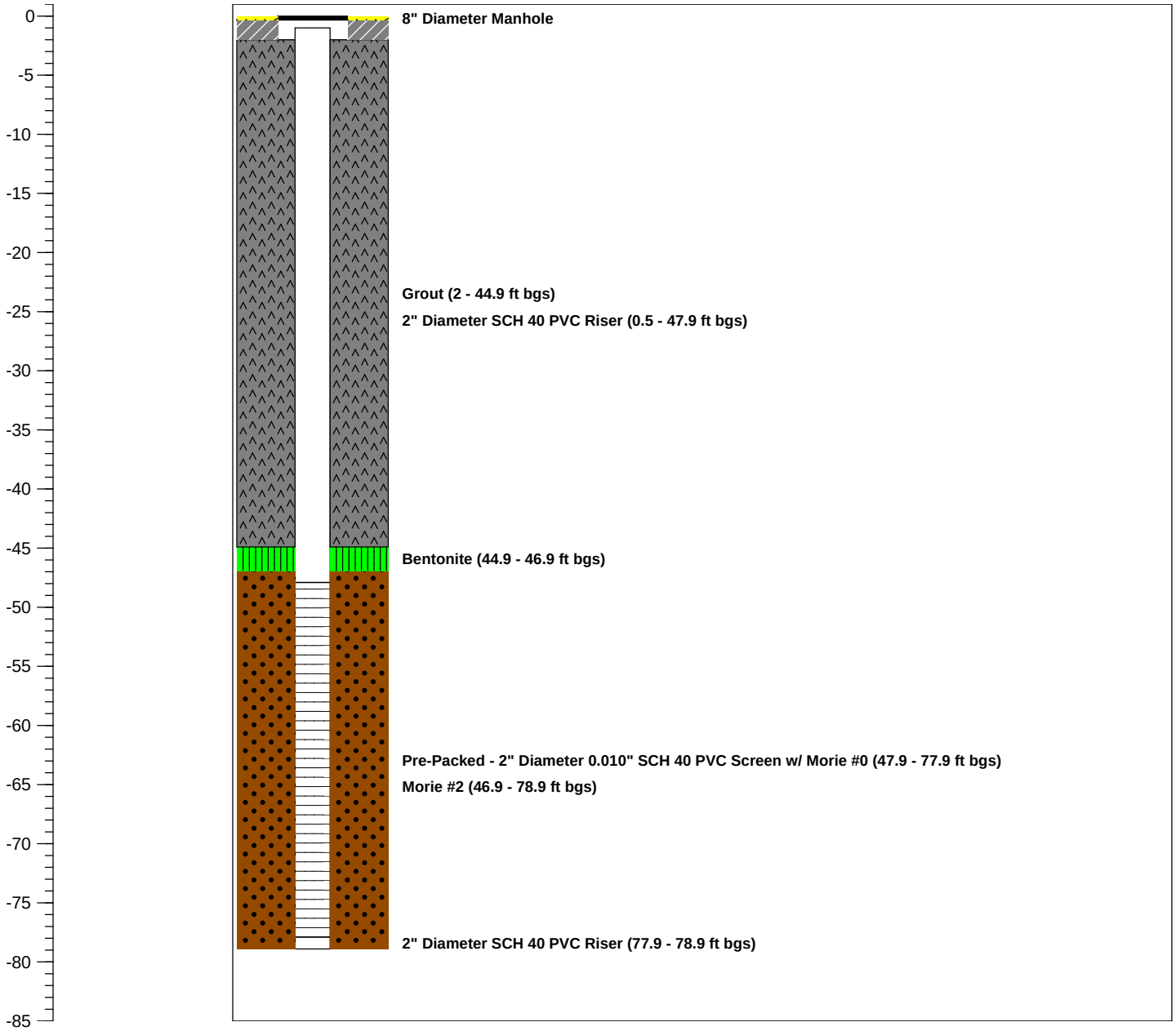
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**78.9'**	WELL NO.:	**MP-1-3D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**8"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Hollow Stem Auger**
Dates Drilled:	**1/13/11**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**CME-55LC**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 14, 2011
Weather Conditions:	Overcast, ~20°-25° F
Hours of Operation:	7:00 AM to 4:00 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Megan Dascoli	URS	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Joe Palmeri	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Ron Traube	F&N	
Mark Schock	Glacier	GeoProbe 8040
Mike Aldo	Glacier	Drill Support Truck

Detailed Summary of Work Performed

Continued removing snow out of the trench and work area. Cleared a path to dig trench on the west side of the LIRR right of way. Transported the snow to the Intersection Street staging yard. Secured snowfence and barricades along the trench to provide safety. Developed three (3) injection wells (OW-1-35D, OW-1-35S, OW-1-33D). Mobilized GeoProbe 8040 to work site and attempted to install one (1) monitoring point (MP-1-6), two attempts were unsuccessful.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trips and falls JSA.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-33D	Date	1/14/2011	Gallons Recovered	7.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1400	20.70	12.12	2.510	0.2	12.60	Cloudy	No Odor
1415	Not Measured	11.64	1.220	0.7	12.70	Clear	No Odor
1430	Not Measured	10.91	0.623	0.0	12.90	Clear	No Odor
1445	20.50	9.96	0.537	0.0	12.90	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-35S	Date	1/14/2011	Gallons Recovered	6		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1145	21.60	6.28	0.396	2.3	12.00	Light Brown	Slight Odor
1200	Not Measured	6.24	0.404	6.2	11.80	Light Brown	Slight Odor
1215	Not Measured	6.23	0.384	5.8	12.30	Cloudy	Slight Odor
1230	21.50	6.16	0.392	4.9	13.00	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-35D	Date	1/14/2011	Gallons Recovered	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1015	21.70	7.62	0.478	1.4	11.70	Gray	No Odor
1030	Not Measured	6.57	0.447	0.3	12.90	Light Brown	Slight Odor
1045	Not Measured	6.23	0.457	0.3	12.50	Light Brown	Slight Odor
1100	Not Measured	5.99	0.431	0.2	13.00	Cloudy	No Odor
1115	Not Measured	5.90	0.429	0.0	12.90	Cloudy	No Odor
1130	21.70	5.80	0.424	0.0	12.70	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 17, 2011
Weather Conditions:	Partly Cloudy, ~19°-25° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Megan Dascoli	URS	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Ray Wilson	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Ron Traube	F&N	
Mark Schock	Glacier	GeoProbe 8040
Mike Aldo	Glacier	Drill Support Truck

Detailed Summary of Work Performed

Mobilized mini excavator to work site. Emptied 55 gallon drum containers filled with drill cuttings into the 20 cu. yard roll-off container for proper disposal. Excavated soil around the abandoned fuel oil tank located on Smith Street. Backfilled and tamped. Transported excavated soil to the Intersection Street staging yard for stockpiling. Removed road plates from the driveway areas on Smith Street, then backfilled and tamped with RCA. Developed three (3) injection wells (OW-1-32D, OW-1-32S, OW-1-31D). Mobilized GeoProbe 8040 to work site and installed one (1) monitoring point (MP-1-6) to the depth of 99.5 feet bgs.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trips and falls JSA. Discussed safety around LIPA precleared holes.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

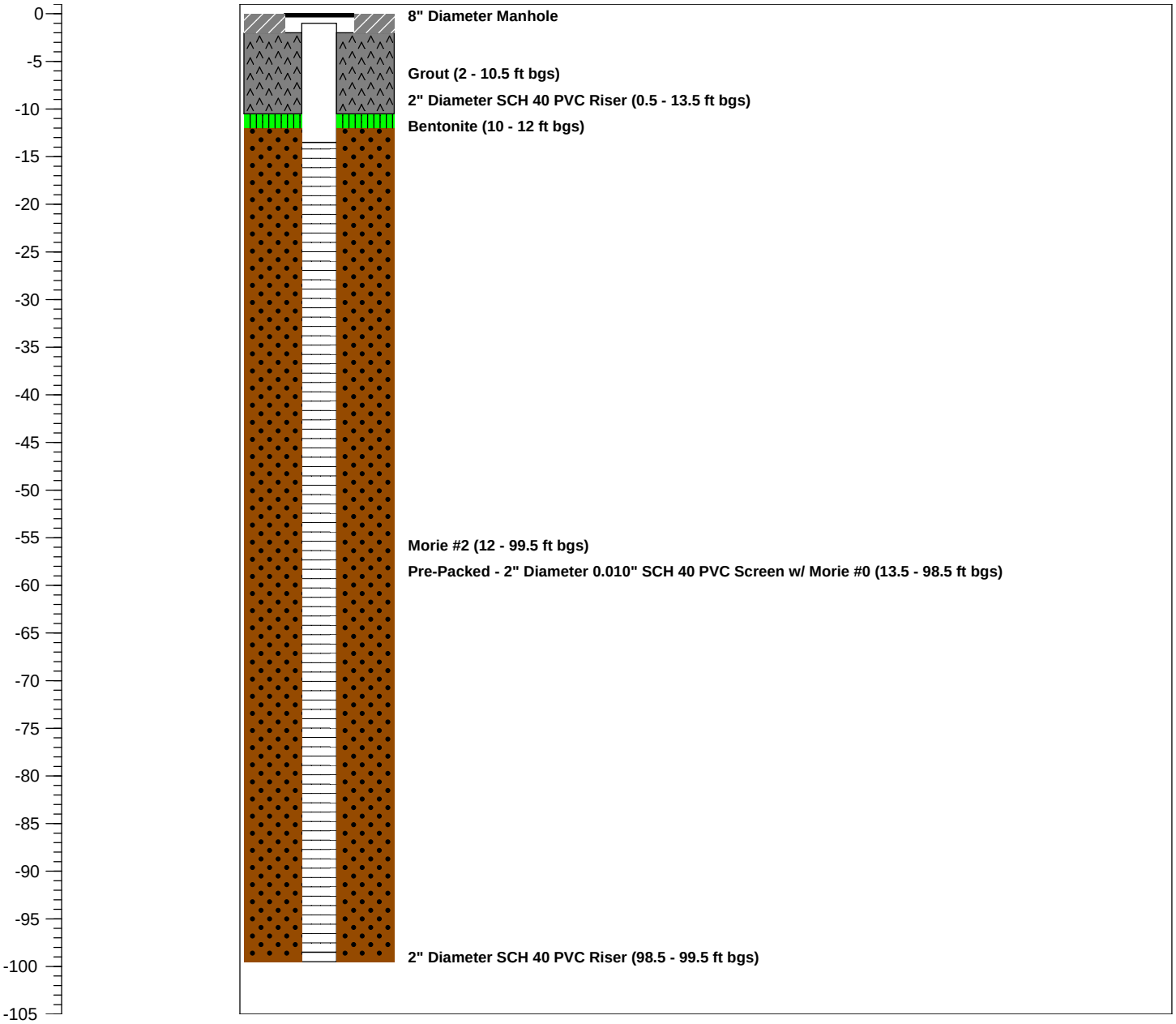
TOTAL DEPTH: **99.5**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **MP-1-6**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **1/17/11**
Driller: **Mark Schock**
Drill Rig Type: **CME-55LC**

Drilling Method: **Hollow Stem Auger**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-31D	Date	1/17/2011	Gallons Recovered	12		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1350	20.90	8.30	0.431	1.0	12.80	Brown	Slight Odor
1405	Not Measured	6.97	0.419	0.5	12.90	Light Brown	Slight Odor
1420	Not Measured	6.20	0.408	0.2	12.90	Light Brown	Slight Odor
1435	Not Measured	5.94	0.401	0.3	13.10	Cloudy	Slight Odor
1450	20.90	5.91	0.403	0.2	11.80	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-32S	Date	1/17/2011	Gallons Recovered	7		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1110	20.90	6.28	0.291	47.8	13.20	Light Brown	Strong Odor
1125	Not Measured	5.78	0.288	75.6	13.30	Cloudy	Strong Odor
1140	Not Measured	5.73	0.287	77.0	13.10	Cloudy	Strong Odor
1155	21.00	5.70	0.288	57.4	12.20	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-32D	Date	1/17/2011	Gallons Recovered	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
915	20.70	10.27	0.554	0.0	12.50	Brown	No Odor
930	Not Measured	8.06	0.506	0.0	11.40	Brown	No Odor
945	Not Measured	7.39	0.481	0.0	13.00	Cloudy	No Odor
1000	Not Measured	6.85	0.467	0.0	12.50	Cloudy	No Odor
1015	Not Measured	6.55	0.461	0.0	12.60	Cloudy	No Odor
1030	Not Measured	6.42	0.459	0.0	12.50	Cloudy	No Odor
1045	20.70	6.34	0.456	0.0	12.60	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 18, 2011
Weather Conditions:	Heavy Rain, ~30° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan Sr.	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Ray Wilson	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Ron Traube	F&N	
Mark Schock	Glacier	GeoProbe 8040
Mike Aldo	Glacier	Drill Support Truck

Detailed Summary of Work Performed

Utilized excavator to remove soil from the trench at the base of the existing electric pole. Transported excavated soil and broken concrete to the Intersection Street staging yard for stockpiling. Installed 2" conduit approximately 2 feet bgs. Installed electric marking tape approximately 2 feet bgs within the trench. Backfilled the open trench and tamped. Utilized air compressor and began pressure testing the injection wells along Smith Street. Developed four (4) injection wells (OW-1-31S, OW-1-30D, OW-1-31S, OW-1-29D). Mobilized GeoProbe 8040 to work site and installed one (1) monitoring point (MP-1-5) to the depth of 100.0 feet bgs.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trips and falls JSA. Reviewed safety precautions around LIPA precleared holes.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

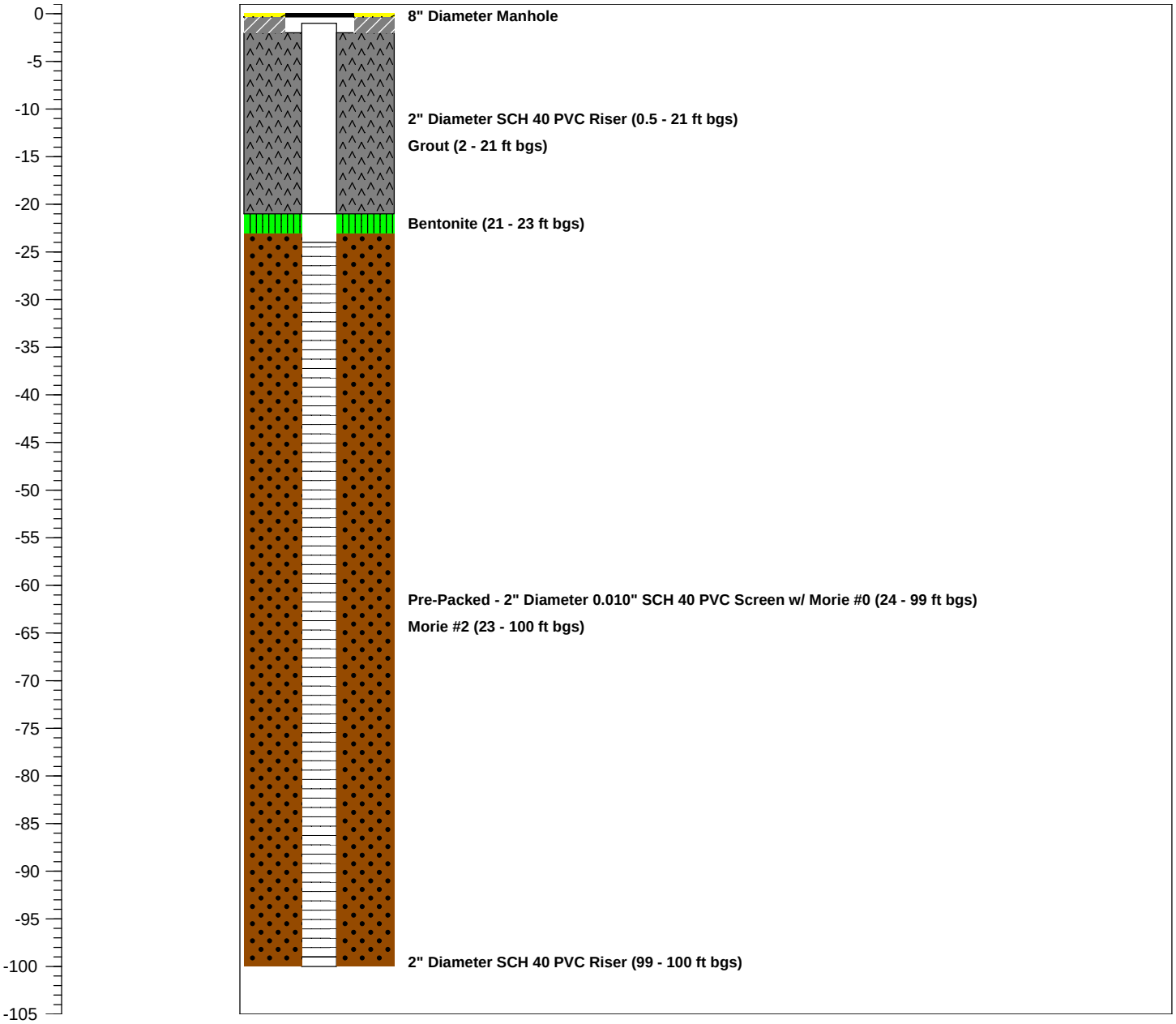
TOTAL DEPTH: **100'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **MP-1-5**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **1/18/11**
Driller: **Mark Schock**
Drill Rig Type: **CME-55LC**

Drilling Method: **Hollow Stem Auger**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-29D	Date	1/18/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1410	19.80	7.06	0.377	1.8	13.80	Light Brown	Slight Odor
1425	Not Measured	5.80	0.373	0.7	13.80	Cloudy	Slight Odor
1440	Not Measured	5.71	0.371	0.3	13.80	Cloudy	Slight Odor
1455	19.60	5.67	0.371	0.4	13.80	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-30D	Date	1/18/2011	Gallons Recovered	11		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1000	20.50	11.64	1.280	1.4	13.10	Light Gray	Slight Odor
1015	Not Measured	7.94	0.453	0.3	13.10	Cloudy	Slight Odor
1030	Not Measured	6.76	0.440	0.0	13.10	Cloudy	Slight Odor
1045	Not Measured	6.30	0.439	0.0	12.30	Cloudy	Slight Odor
1100	20.50	6.34	0.425	0.0	13.40	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-31S	Date	1/18/2011	Gallons Recovered	6		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
900	20.80	6.09	0.320	38.7	13.20	Cloudy	Strong Odor
915	Not Measured	6.03	0.313	30.4	13.10	Cloudy	Strong Odor
930	20.70	6.04	0.318	28.3	13.30	Clear	Strong Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 19, 2011
Weather Conditions:	Light Rain in AM, Overcast ~30° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan Sr.	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Ray Wilson	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Ron Traube	F&N	
Mark Schock	Glacier	GeoProbe 8040
Mike Aldo	Glacier	Drill Support Truck

Detailed Summary of Work Performed

Utilized excavator to remove soil and dig a trench at the top of the LIRR right of way continuing to the west side of the LIRR right of way. Transported excavated soil and broken concrete to the Intersection Street staging yard for stockpiling. Backfilled the open trench with 6 inches of tank sand and tamped. Utilized air compressor and continued pressure testing seventeen (17) injection wells along Smith Street (OW-1-42D, OW-1-42S, OW-1-41D, OW-1-41S, OW-1-40D, OW-1-40S, OW-1-39D, OW-1-39S, OW-1-38D, OW-1-38S, OW-1-37D, OW-1-37S, OW-1-36D, OW-1-36S, OW-1-35D, OW-1-35S, OW-1-34S). Developed three (3) injection wells (OW-1-29S, OW-1-28D, OW-1-28S). Mobilized GeoProbe 8040 to work site and installed one (1) monitoring point (MP-1-7) to the depth of 84.5 feet bgs. 39.89 tons of tank sand delivered to the Intersection Street staging yard. One (1) full truck load of demolition material was transported out of the Intersection Street staging yard by Broman Trucking Company.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trips and falls JSA. Reviewed safety precautions around LIPA precleared holes.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-28S	Date	1/19/2011	Gallons Recovered	13		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1340	19.70	6.18	0.466	28.4	13.90	Light Brown	Strong Odor
1355	Not Measured	6.46	0.492	37.9	14.10	Light Brown	Strong Odor
1410	Not Measured	6.46	0.490	40.8	14.10	Cloudy	Strong Odor
1425	Not Measured	6.47	0.489	37.8	14.10	Cloudy	Strong Odor
1440	19.70	6.47	0.489	16.1	14.10	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-28D	Date	1/19/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
955	19.80	7.77	0.421	5.1	13.80	Light Brown	Slight Odor
1010	Not Measured	6.13	0.387	2.1	14.00	Light Brown	Slight Odor
1025	Not Measured	5.90	0.383	0.7	13.80	Light Brown	Slight Odor
1040	Not Measured	5.78	0.380	2.1	13.80	Light Brown	Slight Odor
1055	Not Measured	5.68	0.377	0.3	13.80	Light Brown	Slight Odor
1110	Not Measured	5.65	0.376	0.2	13.70	Cloudy	Slight Odor
1125	Not Measured	5.59	0.373	0.2	13.70	Cloudy	Slight Odor
1140	Not Measured	5.55	0.369	1.8	13.80	Cloudy	Slight Odor
1155	19.70	5.56	0.372	1.2	13.80	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-29S	Date	1/19/2011	Gallons Recovered	7.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
900	19.70	5.94	0.465	166.8	11.40	Light Brown	Strong Odor
915	Not Measured	6.00	0.467	390.6	13.70	Cloudy	Strong Odor
930	19.70	6.01	0.465	397.7	13.80	Clear	Strong Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 20, 2011
Weather Conditions:	Clear, ~30° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Mike Ryan Sr.	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Ray Wilson	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Ron Traube	F&N	

Detailed Summary of Work Performed

Utilized excavator to remove soil and dig a trench approximately 36 inches bgs on the west side of the LIRR right of way. Transported excavated soil to the Intersection Street staging yard for stockpiling. Backfilled the open trench with 6 inches of tank sand and tamped. Installed tees and ball valves on injection wells (OW-1-23S, OW-1-23D, OW-1-24S, OW-1-24D, OW-1-25S, OW-1-25D). Developed three (3) injection wells (OW-1-27D, OW-1-27SD, OW-1-26D). Installed fencing to properly secure the trench for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trips and falls JSA. Reviewed safety precautions around LIPA precleared holes.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-26D	Date	1/20/2011	Gallons Recovered	13		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1355	19.60	11.44	1.040	0.9	13.70	Light Gray	No Odor
1410	Not Measured	7.78	0.446	0.0	13.90	Light Brown	No Odor
1425	Not Measured	7.01	0.426	0.0	14.00	Light Brown	No Odor
1440	Not Measured	6.46	0.413	0.0	13.90	Cloudy	No Odor
1455	19.50	6.42	0.407	0.0	13.90	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-27S	Date	1/20/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1210	19.40	6.19	0.578	36.0	14.00	Light Brown	Strong Odor
1225	Not Measured	6.55	0.614	57.3	14.10	Cloudy	Strong Odor
1240	Not Measured	6.54	0.619	38.6	14.10	Cloudy	Strong Odor
1255	19.40	6.57	0.624	34.8	14.00	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-27D	Date	1/20/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1025	19.30	6.73	0.434	3.8	13.70	Brown	Slight Odor
1040	Not Measured	5.92	0.388	3.7	14.10	Light Brown	Slight Odor
1055	Not Measured	5.76	0.382	0.2	14.10	Cloudy	Slight Odor
1110	Not Measured	5.65	0.378	1.7	14.10	Cloudy	Slight Odor
1125	Not Measured	5.58	0.377	0.6	14.10	Cloudy	Slight Odor
1140	19.20	5.54	0.375	0.2	14.10	Clear	Slight Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 21, 2011
Weather Conditions:	Snow in AM, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Mike Ryan Sr.	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Ray Wilson	F&N	Dump Truck
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Support Truck
Ron Traube	F&N	

Detailed Summary of Work Performed

Utilized equipment to remove snow from the Intersection Street staging yard. Mobilized backhoe to Smith Street and plowed and removed snow from the work area. Snow transported back to the Intersection Street staging yard. Dug out open trenches by hand and located existing injection wells. Marked the existing injection wells with red flags. Utilized excavator to remove soil and dig a trench approximately 36 inches bgs on the west side of the LIRR right of way. Transported excavated soil to the Intersection Street staging yard for stockpiling. Backfilled the open trench with 6 inches of tank sand and tamped. Installed fencing to properly secure the trench for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trips and falls JSA. Reviewed safety precautions around LIPA precleared holes.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 24, 2011
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Ray Wilson	F&N	Dump Truck
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Smith	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Utilized backhoe to remove frozen soil from the trench located in the LIRR right of way. Continued digging trench in the LIRR right of way with the excavator approximately 36 inches bgs. Transported excavated soil to the Intersection Street staging yard for stockpiling. Hand cleared around injection points. Installed tees and ball valves to the existing injection wells. Developed four (4) injection wells (OW-1-25D, OW-1-25S, OW-1-24D, OW-1-24S). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-24S	Date	1/24/2011	Gallons Recovered	8		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1355	21.60	6.17	0.442	87.4	13.30	Dark Gray	Strong Odor
1410	Not Measured	6.38	0.482	83.7	14.10	Cloudy	Strong Odor
1425	Not Measured	6.37	0.493	105.7	14.20	Clear	Strong Odor
1440	21.60	6.37	0.496	169.2	14.10	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-24D	Date	1/24/2011	Gallons Recovered	12		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1130	23.30	8.10	0.401	0.0	13.00	Gray	No Odor
1135	Not Measured	6.47	0.458	0.0	13.50	Light Gray	No Odor
1150	Not Measured	6.02	0.450	0.0	13.40	Cloudy	No Odor
1205	Not Measured	5.91	0.447	0.0	13.10	Cloudy	No Odor
1220	Not Measured	5.81	0.443	0.0	13.10	Cloudy	No Odor
1235	23.20	5.78	0.442	0.0	13.10	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-25S	Date	1/24/2011	Gallons Recovered	9		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1030	19.80	5.91	0.442	37.8	14.00	Brown	Strong Odor
1045	Not Measured	5.95	0.443	34.5	14.10	Cloudy	Strong Odor
1100	19.80	5.95	0.442	50.3	14.10	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-25D	Date	1/24/2011	Gallons Recovered	12.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
910	19.90	6.33	0.473	0.0	12.80	Light Brown	No Odor
925	Not Measured	5.76	0.464	0.0	13.20	Light Brown	No Odor
940	Not Measured	5.66	0.444	0.0	12.70	Light Brown	No Odor
955	Not Measured	5.58	0.461	0.0	13.40	Cloudy	No Odor
1010	19.80	5.53	0.460	0.0	13.20	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 25, 2011
Weather Conditions:	Clear, ~25° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Ray Wilson	F&N	Dump Truck
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Smith	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Utilized backhoe to remove frozen soil from the trench located in the LIRR right of way. Continued digging trench in the LIRR right of way with the excavator approximately 36 inches bgs. Transported excavated soil to the Intersection Street staging yard for stockpiling. Hand cleared around injection points. Installed tees and ball valves to the existing injection wells. Developed four (4) injection wells (OW-1-23D, OW-1-23S, OW-1-22D, OW-1-22S). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-22S	Date	1/25/2011	Gallons Recovered	5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1420	24.70	6.50	1.170	334.4	13.10	Cloudy	Strong Odor
1435	Not Measured	6.72	1.230	415.9	14.70	Cloudy	Strong Odor
1450	24.70	6.73	1.220	305.8	14.70	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-22D	Date	1/25/2011	Gallons Recovered	16		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1205	24.60	7.02	0.439	2.7	12.90	Gray	Slight Odor
1220	Not Measured	6.05	0.408	1.6	14.10	Light Gray	Slight Odor
1235	Not Measured	5.82	0.412	1.6	14.20	Cloudy	Slight Odor
1250	Not Measured	5.74	0.400	1.4	14.10	Cloudy	Slight Odor
1305	Not Measured	5.69	0.395	1.3	14.00	Cloudy	Slight Odor
1320	Not Measured	5.72	0.398	1.2	14.00	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-23S	Date	1/25/2011	Gallons Recovered	4		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1045	25.00	6.38	0.508	278.6	12.10	Light Brown	Strong Odor
1100	Not Measured	6.66	0.526	293.6	13.30	Cloudy	Strong Odor
1115	Not Measured	6.61	0.524	Not Measured	13.90	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-23D	Date	1/25/2011	Gallons Recovered	18		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
900	25.00	7.54	0.436	0.4	13.80	Gray	No Odor
915	Not Measured	5.85	0.399	0.0	14.10	Light Gray	No Odor
930	Not Measured	5.64	0.392	0.0	14.10	Cloudy	No Odor
945	Not Measured	5.58	0.389	0.0	14.10	Cloudy	No Odor
1000	Not Measured	5.52	0.386	0.0	14.10	Cloudy	No Odor
1015	Not Measured	5.51	0.384	0.0	14.00	Cloudy	No Odor
1030	24.90	5.50	0.382	0.0	14.10	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 26, 2011
Weather Conditions:	Snow, ~25° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Ray Wilson	F&N	Dump Truck
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Smith	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Utilized case machine to break up and remove frozen soil from the trench located in the LIRR right of way. Continued digging trench in the LIRR right of way approximately 36 inches bgs. Transported excavated soil to the Intersection Street staging yard for stockpiling. Hand cleared around injection points. Installed tees and ball valves to the existing injection wells. Developed three (3) injection wells (OW-1-21D, OW-1-21S, OW-1-20D). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-20D	Date	1/26/2011	Gallons Recovered	7.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1415	21.40	9.01	0.513	1.6	13.00	Gray	Slight Odor
1430	Not Measured	7.60	0.422	0.8	13.30	Light Brown	Slight Odor
1445	Not Measured	6.58	0.399	0.0	13.20	Cloudy	Slight Odor
1500	21.40	6.55	0.392	0.0	13.20	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-21S	Date	1/26/2011	Gallons Recovered	12		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1145	21.50	6.90	0.578	154.9	14.30	Gray	Strong Odor
1200	Not Measured	6.52	0.627	308.3	14.30	Cloudy	Strong Odor
1215	Not Measured	6.53	0.637	448.7	14.50	Cloudy	Strong Odor
1230	21.60	6.53	0.629	277.4	14.20	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-21D	Date	1/26/2011	Gallons Recovered	14		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
955	21.60	9.32	0.900	0.0	14.10	Brown	Slight Odor
1010	Not Measured	7.38	1.050	0.0	14.10	Light Brown	Slight Odor
1025	Not Measured	6.44	0.510	0.0	14.10	Light Brown	Slight Odor
1040	Not Measured	6.05	0.432	0.0	14.30	Cloudy	Slight Odor
1055	Not Measured	5.86	0.408	0.0	14.30	Clear	Slight Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 28, 2011
Weather Conditions:	Clear, ~25° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Doug Tom	F&N	Support Truck

Detailed Summary of Work Performed

Utilized backhoe to remove snow from the work area. Transported snow to the Intersection Street staging yard. Handcleared snow around the injection wells within the trench. Dug out and removed snow from within the trench located in the LIRR. Secured fencing around the trench for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	January 31, 2011
Weather Conditions:	Clear, ~25° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Smith	F&N	

Detailed Summary of Work Performed

Removed snow from the work area and within the trench located within the LIRR right of way. Salted the work area to de-ice for safety. Transported snow to the Intersection Street staging yard. Transported steel road plates to Atlantic Avenue. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 1, 2011
Weather Conditions:	Light Freezing Rain, ~25° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Megan Dascoli	URS	
Mike Smith	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Utilized case machine to break up and remove frozen soil from the trench located in the LIRR right of way. Continued digging trench in the LIRR right of way approximately 36 inches bgs. Transported excavated soil to the Intersection Street staging yard for stockpiling. Hand cleared around injection points. Installed tees and fittings to existing injection points. Developed three (3) injection wells (OW-1-20S, OW-1-19D, OW-1-19S). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety. Reviewed slip, trip and falls.	Icy Conditions - used ice melt (salt) on walking path

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-19S	Date	2/1/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1355	21.10	6.29	0.493	11.0	13.10	Gray	Slight Odor
1410	Not Measured	6.15	0.488	4.2	13.50	Cloudy	Slight Odor
1425	Not Measured	6.12	0.487	5.9	13.20	Cloudy	Slight Odor
1440	21.10	6.08	0.478	3.9	13.40	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-19D	Date	2/1/2011	Gallons Recovered	8		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1145	21.00	9.40	0.412	0.0	12.00	Light Brown	No Odor
1200	Not Measured	7.87	0.375	0.0	12.80	Light Brown	No Odor
1215	Not Measured	6.58	0.362	0.0	13.00	Cloudy	No Odor
1230	Not Measured	6.53	0.360	0.0	13.20	Cloudy	No Odor
1245	21.10	6.47	0.356	0.0	13.30	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-20S	Date	2/1/2011	Gallons Recovered	6		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1040	21.40	6.71	0.505	16.6	13.10	Gray	Strong Odor
1055	Not Measured	6.01	0.494	18.2	13.70	Cloudy	Strong Odor
1110	21.50	5.96	0.491	15.1	13.80	Clear	Strong Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 2, 2011
Weather Conditions:	Freezing Rain, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Kirk White	URS	
Mike Smith	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Utilized backhoe to remove snow from the work area located in the LIRR right of way. Continued digging trench in the LIRR right of way approximately 36 inches bgs. Transported excavated soil to the Intersection Street staging yard for stockpiling. Hand cleared around injection points. Installed tees and fittings to existing injection points. Developed three (3) injection wells (OW-1-18S, OW-1-18D, OW-1-17S). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety. Reviewed slip, trip and falls.	Icy Conditions - used ice melt (salt) on walking path

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-17S	Date	2/2/2011	Gallons Recovered	11		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1330	22.30	6.61	0.480	0.0	13.90	Gray	Slight Odor
1345	Not Measured	6.21	0.505	0.2	14.10	Light Brown	Slight Odor
1400	Not Measured	6.20	0.509	0.0	14.30	Cloudy	Slight Odor
1415	Not Measured	6.21	0.507	0.0	14.20	Cloudy	Slight Odor
1430	22.30	6.21	0.504	0.0	14.20	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-18S	Date	2/2/2011	Gallons Recovered	6		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1140	21.70	6.19	0.530	0.9	13.50	Gray	Strong Odor
1155	Not Measured	6.30	0.521	1.0	14.00	Cloudy	Strong Odor
1210	21.70	6.32	0.518	0.8	14.10	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-18D	Date	2/2/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
930	21.50	7.77	0.368	0.2	13.10	Light Gray	No Odor
945	Not Measured	5.94	0.331	0.0	13.70	Light Gray	No Odor
1000	Not Measured	5.72	0.327	0.0	13.90	Light Gray	No Odor
1015	Not Measured	5.66	0.323	0.0	13.80	Cloudy	No Odor
1030	Not Measured	5.62	0.321	0.0	13.90	Cloudy	No Odor
1045	Not Measured	5.59	0.320	0.0	14.00	Cloudy	No Odor
1100	Not Measured	5.58	0.318	0.0	14.10	Cloudy	No Odor
1115	21.60	5.56	0.318	0.0	14.10	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 3, 2011
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Smith	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Utilized case machine to break up and remove frozen soil from the trench located in the LIRR right of way. Continued digging trench in the LIRR right of way approximately 36 inches bgs. Transported excavated soil to the Intersection Street staging yard for stockpiling. Hand cleared around injection points. Installed tees and fittings to existing injection points. Transported a load of tank sand to the work site and covered with poly. Developed three (3) injection wells (OW-1-17D, OW-1-16S, OW-1-16D). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety. Reviewed slip, trip and falls.	

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-16S	Date	2/3/2011	Gallons Recovered	1		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1145	21.80	6.74	0.307	2.2	13.60	Light Gray	Strong Odor
1200	Not Measured	6.76	0.378	1.8	11.10	Cloudy	Strong Odor
1215	49.20	Well went Dry					

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-16D	Date	2/3/2011	Gallons Recovered	11		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1335	21.60	6.61	0.370	0.2	12.90	Gray	Slight Odor
1350	Not Measured	6.63	0.389	0.0	14.10	Light Brown	Slight Odor
1405	Not Measured	6.40	0.388	0.0	14.20	Light Brown	Slight Odor
1420	Not Measured	6.23	0.388	0.0	14.10	Cloudy	Slight Odor
1435	21.60	6.21	0.389	0.0	14.20	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-17D	Date	2/3/2011	Gallons Recovered	16		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
910	22.80	7.38	0.532	0.0	12.40	Light Brown	No Odor
925	Not Measured	5.89	0.329	0.0	12.80	Light Brown	No Odor
940	Not Measured	5.73	0.323	0.0	12.70	Cloudy	No Odor
1025	Not Measured	5.65	0.305	0.0	12.10	Cloudy	No Odor
1040	Not Measured	6.48	0.318	0.0	11.50	Cloudy	No Odor
1055	Not Measured	6.86	0.336	0.0	12.90	Cloudy	No Odor
1110	Not Measured	6.81	0.350	0.0	13.00	Cloudy	No Odor
1125	22.80	6.78	0.351	0.0	13.20	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 4, 2011
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Smith	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Utilized backhoe and continued digging trench in the LIRR right of way approximately 36 inches bgs. Transported excavated soil to the Intersection Street staging yard for stockpiling. Hand cleared around injection points. Installed tees, fittings and ball valves to existing injection points. Developed three (3) injection wells (OW-1-15D, OW-1-15S, OW-1-14S). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety. Reviewed slip, trip and falls.	

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-15S	Date	2/4/2011	Gallons Recovered	8		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1145	21.50	6.74	0.581	18.7	13.90	Light Brown	Strong Odor
1200	Not Measured	6.57	0.573	18.5	14.10	Cloudy	Strong Odor
1215	Not Measured	6.55	0.578	27.5	14.00	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-15D	Date	2/4/2011	Gallons Recovered	16		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
900	21.50	7.16	1.230	0.0	13.70	Brown	No Odor
915	Not Measured	6.92	0.900	0.0	13.30	Light Brown	No Odor
930	Not Measured	6.89	0.735	0.0	13.80	Light Brown	No Odor
945	Not Measured	6.82	0.976	0.0	13.80	Cloudy	No Odor
1000	Not Measured	6.79	0.365	0.0	13.30	Cloudy	No Odor
1015	21.60	6.75	0.362	0.0	13.80	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 7, 2011
Weather Conditions:	Overcast, ~25° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Mike Smith	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Hand dug areas of trench located within the LIRR. Transported HDPE Oxygen lines to the work site. Pulled and connected the HDPE Oxygen line to the existing injection wells. Installed tees and fittings to existing injection points. Developed two (2) injection wells (OW-1-14D, OW-1-13S). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety. Reviewed slip, trip and falls.	Icy Conditions - used ice melt (salt) on walking path

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-14S	Date	2/7/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
940	21.30	3.46	0.360	0.7	14.10	Brown	No Odor
955	Not Measured	3.46	0.337	0.0	14.20	Light Brown	No Odor
1010	Not Measured	3.33	0.323	0.0	14.10	Light Brown	No Odor
1050	Not Measured	2.70	0.325	0.0	13.80	Light Brown	No Odor
1105	Not Measured	2.97	0.309	0.0	14.10	Cloudy	No Odor
1120	Not Measured	3.05	0.306	0.0	14.30	Cloudy	No Odor
1135	Not Measured	3.18	0.305	0.0	14.20	Cloudy	No Odor
1150	Not Measured	3.28	0.307	0.0	14.40	Cloudy	No Odor
1205	Not Measured	3.28	0.324	0.0	14.30	Cloudy	No Odor
1220	21.40	3.26	0.321	0.0	14.30	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-14D	Date	2/4/2011	Gallons Recovered	8		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1400	21.30	6.90	0.438	3.4	13.40	Light Brown	Slight Odor
1415	Not Measured	6.77	0.523	5.3	13.80	Cloudy	Slight Odor
1430	Not Measured	6.74	0.526	2.2	13.90	Cloudy	Slight Odor
1445	21.30	6.68	0.525	3.7	14.00	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-13S	Date	2/7/2011	Gallons Recovered	7		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1350	21.40	3.49	0.505	23.8	14.70	Light Brown	Strong Odor
1405	Not Measured	3.67	0.520	23.4	14.70	Cloudy	Strong Odor
1420	21.40	3.62	0.521	23.1	14.60	Clear	Strong Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 8, 2011
Weather Conditions:	Rain & Windy, ~25° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Kirk White	URS	
Mike Smith	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Transported HDPE Oxygen lines to the work site. Pulled and connected the HDPE Oxygen line to the existing injection wells. Installed tees and fittings to existing injection points. Utilized backhoe to grade down the hill where the Oxygen Injection System will be placed. Developed two (2) injection wells (OW-1-13D, OW-1-12S). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety. Reviewed slip, trip and falls.	Icy Conditions - used ice melt (salt) on walking path

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-13D	Date	2/8/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
900	21.10	3.63	0.439	0.5	14.00	Gray	Slight Odor
915	Not Measured	2.65	0.612	2.5	14.20	Light Brown	Slight Odor
930	Not Measured	3.43	0.302	3.0	14.20	Light Brown	Slight Odor
945	Not Measured	3.57	0.324	1.9	14.30	Light Brown	Slight Odor
1000	Not Measured	3.51	0.329	2.2	14.20	Light Brown	Slight Odor
1100	Not Measured	2.38	0.289	1.8	14.00	Cloudy	Slight Odor
1115	Not Measured	3.23	0.302	1.3	14.10	Cloudy	Slight Odor
1130	21.20	3.29	0.313	0.8	14.00	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-12S	Date	2/8/2011	Gallons Recovered	11		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1335	21.40	3.81	0.369	20.1	14.10	Brown	Strong Odor
1350	Not Measured	3.09	0.427	30.0	14.60	Cloudy	Strong Odor
1405	Not Measured	3.17	0.425	41.7	14.40	Cloudy	Strong Odor
1420	21.40	3.20	0.423	27.6	14.40	Clear	Strong Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 9, 2011
Weather Conditions:	Clear, ~30° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
George Brunquell	F&N (Local 138)	Backhoe & Bobcat
Megan Dascoli	URS	
Brian Rath	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Transported tank sand to work site located within the LIRR. Backfilled and tamped the trench with tank sand in a 12" lift. Compaction test was performed. Cut manholes to fit injection wells 4" bgs. Installed tees and fittings to existing injection points. Developed two (2) injection wells (OW-1-12D, OW-1-11D). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety. Reviewed slip, trip and falls.	Icy Conditions - used ice melt (salt) on walking path

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-12D	Date	2/9/2011	Gallons Recovered	25		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1000	21.90	2.93	0.518	0.0	13.20	Light Brown	Slight Odor
1015	Not Measured	2.94	0.900	0.0	13.00	Light Brown	Slight Odor
1030	Not Measured	3.35	0.397	0.0	13.40	Light Brown	Slight Odor
1045	Not Measured	3.81	0.374	0.0	13.40	Light Brown	Slight Odor
1100	Not Measured	4.01	0.388	0.0	13.60	Light Brown	Slight Odor
1115	Not Measured	4.04	0.353	0.0	13.70	Cloudy	Slight Odor
1130	Not Measured	4.12	0.347	0.0	13.70	Cloudy	Slight Odor
1145	Not Measured	4.29	0.339	0.0	13.70	Cloudy	Slight Odor
1200	Not Measured	4.04	0.333	0.0	13.70	Cloudy	Slight Odor
1215	Batteries Died						
1230	Not Measured	4.22	0.328	0.0	13.80	Cloudy	Slight Odor
1245	22.00	4.37	0.326	0.0	13.80	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-11D	Date	2/9/2011	Gallons Recovered	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1330	21.90	4.40	0.338	0.0	13.40	Light Brown	Slight Odor
1345	Not Measured	4.32	0.999	0.0	13.40	Light Brown	Slight Odor
1400	Not Measured	4.35	0.900	0.0	13.40	Cloudy	Slight Odor
1415	Not Measured	4.18	0.733	0.0	13.40	Cloudy	Slight Odor
1430	Not Measured	4.23	0.315	0.0	13.30	Cloudy	Slight Odor
1445	Not Measured	4.21	0.313	0.0	13.30	Cloudy	Slight Odor
1500	Not Measured	4.18	0.309	0.0	13.10	Clear	Slight Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	February 10, 2011
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
Megan Dascoli	URS	
Brian Rath	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Transported tank sand to work site located within the LIRR right of way. Backfilled and tamped the trench with tank sand in a 12" lift. Cut manholes to fit injection wells 4 inches bgs. Installed tees and fittings to existing injection points. Pressure tested seventeen (17) injection wells (OW-1-26S, OW-1-26D, OW-1-27S, OW-1-27D, OW-1-28S, OW-1-28D, OW-1-29S, OW-1-29D, OW-1-30S, OW-1-30D, OW-1-31S, OW-1-31D, OW-1-32S, OW-1-32D, OW-1-33S, OW-1-33D, OW-1-34D). Developed three (3) injection wells (OW-1-11S, OW-1-10D, OW-1-10S). Secured snow fence and barricades throughout the work area for safety. 40.48 tons of tank sand delivered to the Intersection Street staging yard by 110 Sand Company.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety. Reviewed slip, trip and falls.	Icy Conditions - used ice melt (salt) on walking path

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-11S	Date	2/10/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1000	22.10	5.05	0.486	0.1	13.80	Light Brown	No Odor
1015	Not Measured	5.11	0.465	0.0	13.90	Clear	No Odor
1030	22.10	5.09	0.463	0.0	13.90	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-10S	Date	2/10/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1410	24.80	4.45	0.389	1.3	14.50	Light Brown	No Odor
1425	Not Measured	3.42	0.394	0.6	14.50	Clear	No Odor
1440	24.80	3.46	0.408	0.5	14.50	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	February 11, 2011
Weather Conditions:	Clear, ~20° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
Megan Dascoli	URS	
Brian Rath	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Transported common fill to work site located within the LIRR right of way. Backfilled and tamped the trench with common fill to grade. Cut and installed manholes to cover injection wells 4 inches bgs. Installed tees and fittings to existing injection points. Installed tracer wire and detectable tape in trench. Installed nine (9) 3M Dynatel EMS RFID Marker Ball at various locations within the trench approximately 2 feet bgs. (Each marker ball was placed in-between an injection well cluster or closest to the nearest well evenly through the trench). 3M Marker Ball Locations: between OW-1-23S&D, between OW-1-21S&D, between OW-1-19S&D, between OW-1-17S&D, between OW-1-16S&D, between OW-1-14S&D, between OW-1-12S&D and between OW-1-10S&D. Pressure tested eight (8) injection wells (OW-1-25D, OW-1-24D, OW-1-24S, OW-1-23D, OW-1-23S, OW-1-22D, OW-1-22S, OW-1-21D). Developed three (3) injection wells (OW-1-8S, OW-1-8D, OW-1-7D). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety. Reviewed slip, trip and falls.	

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-8S	Date	2/11/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1200	27.40	4.27	0.319	0.1	13.10	Cloudy	Slight Odor
1215	Not Measured	4.15	0.999	0.6	14.40	Clear	Slight Odor
1230	Not Measured	4.12	0.999	0.1	14.40	Clear	Slight Odor
1245	27.40	3.98	0.999	0.1	14.40	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-8D	Date	2/11/2011	Gallons Recovered	18		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1015	27.60	3.94	0.343	0.2	13.40	Light Brown	No Odor
1030	Not Measured	4.16	0.319	0.3	13.90	Cloudy	No Odor
1045	Not Measured	4.11	0.337	0.2	14.20	Cloudy	No Odor
1100	Not Measured	4.18	0.384	0.1	14.20	Cloudy	No Odor
1115	Not Measured	4.34	0.403	0.2	14.00	Cloudy	No Odor
1130	27.70	4.27	0.392	0.0	14.00	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-7D	Date	2/11/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1325	24.10	4.06	0.486	0.0	12.60	Gray	No Odor
1340	Not Measured	4.09	0.480	0.0	14.30	Light Brown	No Odor
1355	Not Measured	4.21	0.971	0.0	14.40	Light Brown	No Odor
1410	Not Measured	4.26	0.999	0.0	14.30	Light Brown	No Odor
1425	Not Measured	4.29	0.999	0.0	14.30	Cloudy	No Odor
1440	27.50	4.23	0.999	0.0	14.40	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	February 14, 2011
Weather Conditions:	Clear, ~45° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
Megan Dascoli	URS	
Brian Rath	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Transported common fill to work site located within the LIRR right of way. Backfilled and tamped the trench with common fill to grade. Cut and installed manholes to cover injection wells 4 inches bgs. Compaction test performed by Soil Mechanics on the trench located within the LIRR right of way. Developed three (3) injection wells (OW-1-7S, OW-1-6D, OW-1-6S). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety. Reviewed slip, trip and falls.	Near Miss recorded - LIPA left two (2) 10" DIA holes 2 feet deep unsecure. Worker backed into one of the holes while performing his job within the fenced off work area, and lost his balance. No injury occurred.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-6S	Date	2/14/2011	Gallons Recovered	13		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1020	27.80	4.17	0.696	0.0	14.40	Light Brown	No Odor
1035	Not Measured	3.80	0.652	0.0	14.50	Clear	No Odor
1050	Not Measured	3.27	0.595	0.0	14.60	Clear	No Odor
1105	Not Measured	3.91	0.575	0.0	14.70	Clear	No Odor
1120	Not Measured	4.21	0.569	0.0	14.70	Clear	No Odor
1135	Not Measured	4.28	0.578	0.0	14.70	Clear	No Odor
1150	27.60	4.29	0.573	0.0	14.90	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-6D	Date	2/14/2011	Gallons Recovered	23		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1220	27.50	4.28	0.324	3.8	14.90	Light Brown	Strong Odor
1235	Not Measured	3.40	0.272	3.8	14.80	Light Brown	Strong Odor
1250	Not Measured	4.24	0.275	3.0	14.80	Light Brown	Strong Odor
1305	Not Measured	3.46	0.274	3.8	14.80	Light Brown	Strong Odor
1320	Not Measured	4.22	0.268	4.7	14.80	Cloudy	Strong Odor
1335	Not Measured	4.21	0.268	3.8	14.80	Cloudy	Strong Odor
1350	Not Measured	3.63	0.260	3.7	14.80	Cloudy	Strong Odor
1405	Not Measured	3.56	0.256	4.0	14.80	Clear	Strong Odor
1420	27.50	3.67	0.251	3.8	14.80	Clear	Strong Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 15, 2011
Weather Conditions:	Clear, ~35° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
Megan Dascoli	URS	
Brian Rath	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Transported common fill to work site located within the LIRR right of way. Backfilled and tamped the trench from the existing LIPA poles to the top of the hill where the system #1 shed will be located with common fill to grade. Electrical contractor made electrical connections for the system #1 shed. Performed pressure tests on four (4) repaired injection wells (OW-1-43, OW-1-42D, OW-1-42S, OW-1-25S). Developed three (3) injection wells (OW-1-9S, OW-1-9D, OW-1-5D). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety. Reviewed slip, trip and falls.	

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-9S	Date	2/15/2011	Gallons Recovered	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
925	26.80	3.93	0.330	2.5	14.30	Light Brown	Strong Odor
940	Not Measured	4.12	0.486	4.8	14.30	Light Brown	Strong Odor
955	Not Measured	4.20	0.375	4.8	14.50	Clear	Strong Odor
1010	Not Measured	4.20	0.370	4.7	14.60	Clear	Strong Odor
1025	26.80	4.30	0.364	4.6	14.80	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-9D	Date	2/15/2011	Gallons Recovered	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1045	26.30	4.31	0.322	0.5	13.70	Gray	Slight Odor
1100	Not Measured	4.32	0.348	0.3	14.10	Light Brown	Slight Odor
1115	Not Measured	4.31	0.346	1.1	14.10	Cloudy	Slight Odor
1130	Not Measured	4.33	0.345	1.0	14.10	Cloudy	Slight Odor
1145	Not Measured	4.35	0.344	1.1	14.00	Cloudy	Slight Odor
1200	26.40	4.36	0.345	1.1	14.00	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-5D	Date	2/15/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1400	27.80	4.48	0.319	0.9	13.40	Light Brown	Slight Odor
1415	Not Measured	4.48	0.310	0.6	13.60	Light Brown	Slight Odor
1430	Not Measured	4.47	0.302	0.5	13.60	Cloudy	Slight Odor
1445	27.70	4.48	0.308	0.5	13.60	Clear	Slight Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 16, 2011
Weather Conditions:	Clear, ~35° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
Megan Dascoli	URS	
Brian Rath	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Loaded steel road plates from the driveway areas on Smith Street and transported them back to the Intersection Street staging yard. Transported RCA and backfilled two (2) driveway areas to provide access. Removed loads of mud and soil from the dead-end area of Wendell Street and transported back to the Intersection Street staging yard for stockpiling. Began to build the grade up on top of the hill where the Oxygen Injection System #1 shed will be located, within the LIRR right of way. Developed three (3) injection wells (OW-1-3, OW-1-4, OW-1-5D). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed safety walkthrough before the work day to inspect for unsafe conditions. Reviewed slip, trip and falls.	Due to the near miss recorded Monday 2/14/11, a walkthrough was performed before the work day to inspect for any unsafe conditions.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-4	Date	2/16/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1030	28.50	4.49	0.283	0.0	13.90	Light Brown	No Odor
1045	Not Measured	4.52	0.262	0.0	13.80	Light Brown	No Odor
1100	Not Measured	4.54	0.246	0.0	13.80	Light Brown	No Odor
1115	Not Measured	4.55	0.237	0.0	13.90	Cloudy	No Odor
1130	Not Measured	4.59	0.233	0.0	14.00	Cloudy	No Odor
1145	28.70	4.61	0.231	0.0	14.00	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-3	Date	2/16/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1245	28.80	4.66	0.282	0.1	14.00	Light Brown	No Odor
1300	Not Measured	4.68	0.316	0.1	14.00	Light Brown	No Odor
1315	Not Measured	4.68	0.521	0.0	13.90	Cloudy	No Odor
1330	Not Measured	4.68	0.467	0.0	14.00	Cloudy	No Odor
1345	Not Measured	4.71	0.286	0.0	14.00	Cloudy	No Odor
1400	Not Measured	4.67	0.277	0.0	14.00	Clear	No Odor
1415	28.90	4.72	0.276	0.0	14.00	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 17, 2011
Weather Conditions:	Clear, ~45° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
Megan Dascoli	URS	
Brian Rath	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Removed loads of mud and soil from the dead-end area of Wendell Street and transported back to the Intersection Street staging yard for stockpiling. Continued to build the grade up on top of the hill where the Oxygen Injection System shed will be located, within the LIRR right of way. Assisted surveyors who shot the injection well locations located within the LIRR right of way. Developed three (3) injection wells (OW-1-38S, OW-1-38D, OW-1-42S). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed safety walkthrough before the work day to inspect for unsafe conditions. Reviewed slip, trip and falls.	Due to the near miss recorded Monday 2/14/11, a walkthrough was performed before the work day to inspect for any unsafe conditions.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-34D	Date	2/17/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1105	20.50	4.90	0.510	0.5	13.40	Light Brown	No Odor
1120	Not Measured	4.90	0.581	0.0	13.90	Light Brown	No Odor
1135	Not Measured	4.89	0.712	0.0	14.00	Light Brown	No Odor
1150	Not Measured	4.98	0.701	0.0	14.00	Light Brown	No Odor
1205	Not Measured	4.97	0.693	0.0	14.00	Cloudy	No Odor
1220	20.70	4.95	0.687	0.0	14.00	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-42S	Date	2/17/2011	Gallons Recovered	8		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1400	22.10	5.04	0.216	0.0	14.60	Cloudy	No Odor
1415	Not Measured	5.02	0.215	0.0	14.60	Clear	No Odor
1430	22.20	5.02	0.223	0.0	14.50	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-38S	Date	2/18/2011	Gallons Recovered	9		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
910	21.50	5.02	0.497	5.0	13.80	Cloudy	Strong Odor
925	Not Measured	5.03	0.508	3.5	14.00	Clear	Strong Odor
940	21.60	5.02	0.499	3.5	14.10	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-38D	Date	2/18/2011	Gallons Recovered	12		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1035	21.50	5.11	0.788	0.5	13.50	Cloudy	No Odor
1050	Not Measured	5.03	0.521	0.1	11.70	Clear	No Odor
1105	Not Measured	4.98	0.533	0.1	11.40	Clear	No Odor
1120	21.30	4.99	0.546	0.1	11.40	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 18, 2011
Weather Conditions:	Clear, ~55° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Doug Tom	F&N	Dump Truck
Ron Traube	F&N	
Megan Dascoli	URS	
Brian Rath	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Transported concrete to the work site. Set up mixer at the LIRR right of way by Atlantic Avenue and mixed the concrete. Dug up all the manholes located within the LIRR right of way by hand. Repaired the ball valve on OW-1-17S Set all of the manholes within the LIRR right of way in concrete and allowed time to dry. Cleaned up stockpiles in the Intersection Street staging yard, and secured with poly. Developed two (2) injection wells (OW-1-34S, OW-1-34D). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed safety walkthrough before the work day to inspect for unsafe conditions. Reviewed slip, trip and falls.	Due to the near miss recorded Monday 2/14/11, a walkthrough was performed before the work day to inspect for any unsafe conditions.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 22, 2011
Weather Conditions:	Clear, ~30° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Doug Tom	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe
Mike Smith	F&N	Support Truck
Brian Rath	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Utilized backhoe and began trenching within the LIRR right of way along Atlantic Avenue approximately 36 inches bgs. Transported excavated material back to the Intersection Street staging yard for stockpiling. Encountered underground sprinkler lines, cut and tied back (to be restored during restoration phase). Hand cleared around injection wells. Connected ball valves and tees to the injection wells. Transported and bedded 6 inches of tank sand within the trench located along Atlantic Avenue. Tamped the tank sand for compaction. Developed two (2) injection wells (OW-1-33S, OW-1-41D). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed safety walkthrough before the work day to inspect for unsafe conditions. Reviewed slip, trip and falls.	

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-41D	Date	2/22/2011	Gallons Recovered	22		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1025	21.50	4.31	0.651	0.0	11.70	Light Gray	Slight Odor
1040	Not Measured	4.46	0.618	0.0	12.80	Cloudy	Slight Odor
1055	Not Measured	4.51	0.577	0.0	12.70	Cloudy	Slight Odor
1110	Not Measured	4.45	0.520	0.0	12.60	Cloudy	Slight Odor
1125	Not Measured	4.52	0.524	0.0	12.70	Cloudy	Slight Odor
1140	Not Measured	4.55	0.523	0.0	12.80	Cloudy	Slight Odor
1155	21.70	4.60	0.525	0.0	12.80	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-33S	Date	2/22/2011	Gallons Recovered	11		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1340	20.20	4.77	0.511	151.1	13.90	Gray	Slight Odor
1355	Not Measured	4.76	0.451	92.2	13.90	Light Brown	Slight Odor
1410	Not Measured	4.75	0.444	74.3	13.40	Cloudy	Slight Odor
1425	20.30	4.75	0.441	67.4	13.70	Clear	Slight Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 23, 2011
Weather Conditions:	Clear, ~35° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Doug Tom	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe
Mike Smith	F&N	Support Truck
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Utilized backhoe to and continued trenching along Atlantic Avenue approximately 36 inches bgs. Transported excavated material back to the Intersection Street staging yard for stockpiling. Encountered underground sprinkler lines, cut and tied back (to be restored during restoration phase). Hand cleared around injection wells. Connected ball valves and tees to the injection wells. Transported and bedded 6 inches of tank sand within the trench located along Atlantic Avenue. Tamped the tank sand for compaction. Transported and installed five (5) steel road plates to allow driveway access, and pedestrian walkway. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 24, 2011
Weather Conditions:	Clear, ~40° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Doug Tom	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Transported the remaining steel road plates to the work area. Installed tracer wire and caution tape approximately 24 inches bgs within the trench loacted along Atlantic Avenue. Backfilled the trench located infront of the temporary access gate with tank sand and tamped all areas. Backfilled the trench located infront of the temporary access gate with common fill to grade, and tamped all areas. Installed two (2) 3M Dynatel EMS RFID Marker balls at various locations (in between injection well cluster OW-1-8 and approximately 15 feet to the east of OW-1-8 - at the turn of the trench). Set six (6) manholes in place along Atlantic Avenue. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	Ground was uneven along the work area within the LIRR right of way. - Used skidsteer to backblade and smooth out the ground for a safer work area.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 25, 2011
Weather Conditions:	Heavy Rain, ~40° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Doug Tom	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Did not work due to heavy rain as a safety precaution. Performed a site walkthrough and secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	Heavy rain raised a caution for safety as the work area is at the intersection of busy roads. (Did Not Work).

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	February 28, 2011
Weather Conditions:	Heavy Rain, ~40° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Doug Tom	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Did not work due to heavy rain as a safety precaution. Performed a site walkthrough and secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	Heavy rain raised a caution for safety as the work area is at the intersection of busy roads. (Did Not Work).

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 1, 2011
Weather Conditions:	Clear, ~40° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Doug Tom	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Dominic Ferraro	F&N	Support Truck

Detailed Summary of Work Performed

Mobilized the backhoe to work area located at the intersection of Atlantic Avenue and Hilton Avenue. Broke up and removed the concrete sidewalk and excavated the proposed trench within the work area. Hand cleared the trench approximately 36 inches bgs by hand around exisiting utilities. Transported excavated material back to the Intersection Street staging yard for stockpiling. 40.25 tons of tank sand delievered to the Intersection Street staging yard. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	Traction tape was applied to the steel plate walkway for safer access.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 2, 2011
Weather Conditions:	Clear, ~45° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Doug Tom	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Mike Ryan	F&N	Support Truck
Mike Smith	F&N	
Ron Traube	F&N	

Detailed Summary of Work Performed

Mobilized the backhoe to work area located at the intersection of Atlantic Avenue and Hilton Avenue. Continued to excavate the proposed trench approximately 36 inches bgs and 18 inches wide. Hand cleared the trench approximately 36 inches bgs by hand around exisiting utilities. Transported a load of tank sand to the work site, and bedded the trench. Installed HDPE Oxygen Injection lines to the injection wells located on Atlantic Avenue, within the trench. Installed tees and fittings to the injection wells as needed along Atlantic Avenue. Transported excavated material to the LIRR right of way and backfilled the previously installed manholes. Redeveloped OW-1-16S, and it was determined to be defective and must be reinstalled. Developed three (3) Monitoring Wells (MP-8, MP-4S, MP-4D). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-8	Date	3/2/2011	Gallons Recovered	42		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1045	23.30	4.49	1.470	2.4	15.10	Brown	Slight Odor
1100	Not Measured	4.55	2.090	2.9	15.20	Clear	Slight Odor
1115	23.50	4.60	1.980	3.1	15.20	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-4S	Date	3/2/2011	Gallons Recovered	55		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1410	22.10	4.74	0.224	27.8	14.90	Gray	Strong Odor
1425	Not Measured	4.72	0.346	39.5	15.20	Clear	Strong Odor
1440	22.30	4.70	0.341	31.4	15.30	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-4D	Date	3/2/2011	Gallons Recovered	50		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1230	22.00	4.53	0.467	38.8	15.00	Gray	Strong Odor
1245	22.10	4.67	0.651	21.8	15.10	Cloudy	Strong Odor
1300	22.10	4.69	0.646	21.8	15.10	Clear	Strong Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 3, 2011
Weather Conditions:	Clear, ~25° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Charlie Guzzardo	F&N	Dump Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Mike Ryan	F&N	Support Truck
Mike Smith	F&N	
Ron Traube	F&N	

Detailed Summary of Work Performed

Mobilized the backhoe to work area located at Hilton Avenue. Excavated the trench located within the sidewalk along Hilton Avenue. Transported excavated material to the Intersection Street staging yard for stockpiling. Transported a load of tank sand to the work area and bedded the trench with approximately 6" of tank sand. Tamped all areas of the trench and installed the HDPE Oxygen Injection lines to the previously installed injection wells. Backfilled approximately 12 inches of tank sand within the trench and compacted. Installed tracer wire and tape within the trench. All areas of the trench was backfilled to grade with RCA and tamped to allow a safe walkway to pedestrians. Compaction tests were performed throughout the day. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	Traction tape was applied to the steel plate walkway for safer access.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 4, 2011
Weather Conditions:	Clear, ~40° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
George Brunquell	F&N (Local 138)	Backhoe
Mike Ryan	F&N	Support Truck
Mike Smith	F&N	
Ron Traube	F&N	

Detailed Summary of Work Performed

Removed soil around 12 inch manholes located within the sidewalk along Atlantic Avenue. Poured and set the manholes in concrete. Transported a load of common fill to the work area, and backfilled the exposed manholes to grade with common fill. Tamped all areas and raked clean of any debris. Developed three (3) monitoring points (MP-1-2S, MP-1-2D, MP-1-1S). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-2S	Date	3/4/2011	Gallons Recovered	55		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
915	21.60	4.91	0.937	0.4	15.20	Brown	Slight Odor
930	Not Measured	4.77	0.860	6.5	15.30	Clear	Slight Odor
945	21.70	4.78	0.863	5.3	15.40	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-2D	Date	3/4/2011	Gallons Recovered	55		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1045	21.20	4.81	0.737	5.3	14.60	Brown	Slight Odor
1100	Not Measured	4.56	0.658	2.4	15.10	Cloudy	Slight Odor
1115	21.40	4.62	0.655	Not Measured	15.10	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-1S	Date	3/4/2011	Gallons Recovered	55		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1245	27.10	4.76	0.332	0.6	15.60	Light Brown	No Odor
1300	Not Measured	4.71	0.308	0.7	15.80	Clear	No Odor
1315	27.30	4.79	0.313	0.7	15.80	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 7, 2011
Weather Conditions:	Clear, ~35° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Mike Ryan	F&N	Support Truck
Ron Traube	F&N	

Detailed Summary of Work Performed

Transported signs and barricades to work area. Set up the signage and cones along Hilton Avenue. Saw cut the proposed trench along Hilton Avenue. Ultilized the dump truck to bring load of common fill the dead end of Wendell Street. Filled in manholes with common fill, and graded the hill where the Oxygen System Shed will be located. Removed old sections of chain link fence and the fence posts on top of the hill at the end of Wendell Street. Transported debris back to the Intersection Street staging yard for disposal. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 8, 2011
Weather Conditions:	Clear, ~40° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Mike Ryan	F&N	Support Truck
Mike Smith	F&N	
Ron Traube	F&N	

Detailed Summary of Work Performed

Transported and set up traffic cones along Hilton Avenue to allow two-way traffic in a safe manner. Flagmen assisted traffic between the cones throughout the day. Mobilized backhoe to work site and excavated the trench within Hilton Avenue approximately 36 inches bgs and 18 inches wide. Cleared around existing injection wells by hand. Backfilled the trench with 6 inches of tank sand and compacted. Installed 6 inch HDPE sleeve under the concrete curb to protect the Oxygen Injection lines. Installed the HDPE Oxygen Injection lines to the existing injection wells located in Hilton Avenue. Backfilled the trench with tank sand in 12 inch lift. Tamped all areas for compaction. Installed tracer wire and tape along the trench located in Hilton Avenue. Backfilled the rest of the trench to grade with RCA and tamped. Installed three (3) 3M Dynatel Marker balls at various locations (OW-1-1D, OW-1-3S, OW-1-4D). Covered the trench with steel road plates. Compaction test was performed throughout the trench. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	Flagmen controlled traffic the entire day with slow/stop signs to provide safety for workers.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	March 9, 2011
Weather Conditions:	Clear, ~40° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Mike Ryan	F&N	Support Truck
Ron Traube	F&N	

Detailed Summary of Work Performed

Transported safety cones and signs to Hilton Avenue and set up two-way traffic. Dug out around injection wells along Atlantic Avenue and Hilton Avenue to install 12" manholes. Mixed and poured concrete to set manholes in place. Transported common fill to the work site and backfilled the grass area along Hilton Avenue to grade. Tamped all areas for compaction. Transported steel road plates to Hilton Avenue and covered the open trench and injection wells. Sealed the edges with coldpatch. Developed two (2) injection wells (OW-1-1, OW-1-2). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-2	Date	3/9/2011	Gallons Recovered	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1030	26.30	5.54	0.501	0.0	13.40	Light Brown	No Odor
1045	Not Measured	5.16	0.530	0.0	13.50	Light Brown	No Odor
1100	Not Measured	5.13	0.520	0.0	13.60	Light Brown	No Odor
1115	Not Measured	5.08	0.512	0.0	13.60	Cloudy	No Odor
1130	Not Measured	5.07	0.498	0.0	13.80	Cloudy	No Odor
1145	26.10	5.05	0.489	0.0	13.80	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-1	Date	3/9/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1245	26.60	5.42	0.388	0.0	13.20	Light Brown	No Odor
1300	Not Measured	5.15	0.432	0.0	13.60	Light Brown	No Odor
1315	Not Measured	5.12	0.445	0.0	13.70	Light Brown	No Odor
1330	Not Measured	5.16	0.453	0.0	13.70	Cloudy	No Odor
1345	Not Measured	5.13	0.455	0.0	13.70	Cloudy	No Odor
1400	Not Measured	5.11	0.454	0.0	13.70	Cloudy	No Odor
1415	26.30	5.17	0.460	0.0	13.70	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	March 11, 2011
Weather Conditions:	Clear, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Kirk White	URS	
Brian Rath	F&N	
Mike Ryan	F&N	Support Truck
Ron Traube	F&N	

Detailed Summary of Work Performed

Transported three loads of common fill to the dead-end of Wendell Street. Backfilled low areas of the hill located within the LIRR right of way with common fill. Graded the hill at the dead-end of Wendell Street and compacted RCA along the roadway. Cut-back overgrown brush, and prepared the hill top for shed location. Developed two (2) monitoring points (MP-1-5, MP-1-1S). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-5	Date	3/11/2011	Gallons Recovered	100		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1200	Not Measured	5.10	0.494	0.0	15.20	Light Brown	No Odor
1215	Not Measured	5.15	0.500	0.0	15.60	Cloudy	No Odor
1230	Not Measured	5.25	0.489	0.0	15.60	Cloudy	No Odor
1245	Not Measured	5.20	0.473	0.0	15.60	Cloudy	No Odor
1300	Not Measured	5.23	0.476	0.0	15.60	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 14, 2011
Weather Conditions:	Clear, ~35° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Doug Tom	F&N	
Brian Rath	F&N	
Mike Ryan	F&N	Support Truck

Detailed Summary of Work Performed

Filled in the saw-cut concrete sidewalk located on Smith Street with "Sika-Flex". Transported RCA to the dead-end of Wendell Street and graded the top of the hill where the System #1 Shed will be located. Pressure tested the remaining wells along Atlantic Avenue and Hilton Avenue. Transported extra RCA back to the Intersection Street staging yard for stockpiling. Secured and repaired snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 15, 2011
Weather Conditions:	Cloudy, ~35° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Doug Tom	F&N	
Mike Ryan	F&N	Support Truck

Detailed Summary of Work Performed

Transported RCA to the dead-end of Wendell Street and graded the top of the hill where the System #1 Shed will be located. Transported extra RCA back to the Intersection Street staging yard for stockpiling. Pressure tested the defective injection wells (OW-1-16S, OW-1-26S, OW-1-32D, OW-1-51). Injection well OW-1-32D cleared the pressure test and holds pressure at 27 psi. Precleared and prepared the area for (OW-1-16S, OW-1-26S, OW-1-51) to be re-drilled. Cut up filter fabric to cover the top of the hill where the 3/4" stone will be placed. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed slip, trip and falls.	

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 16, 2011
Weather Conditions:	Clear, ~35° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Jr.	F&N	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Disconnected the chain-link fence located on Smith Street. Transported the chain-link fence to the Intersection Street staging yard. Backfilled open holes from fence posts with common fill. Cut down the HDPE Oxygen Injection lines at the dead end of Wendell Street where System #1 shed will be located. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 17, 2011
Weather Conditions:	Clear, ~45° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Jr.	F&N	
Mike Ryan Sr.	F&N	Support Truck
Megan Dascoli	URS	
Barry Rummell	Glacier	GeoProbe 8040
Dale Becrutt	Glacier	Support Truck

Detailed Summary of Work Performed

Assisted drillers (Glacier) at the locations to be re-drilled (OW-1-51, OW-1-16S, OW-1-26S). Cut well head down approximately 3 feet bgs. Connected tees and fittings to the newly installed injection wells. Mobilized GeoProbe 8040 to work site and installed three (3) injection points. (OW-1-51R, OW1-16SR, OW-1-26SR). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

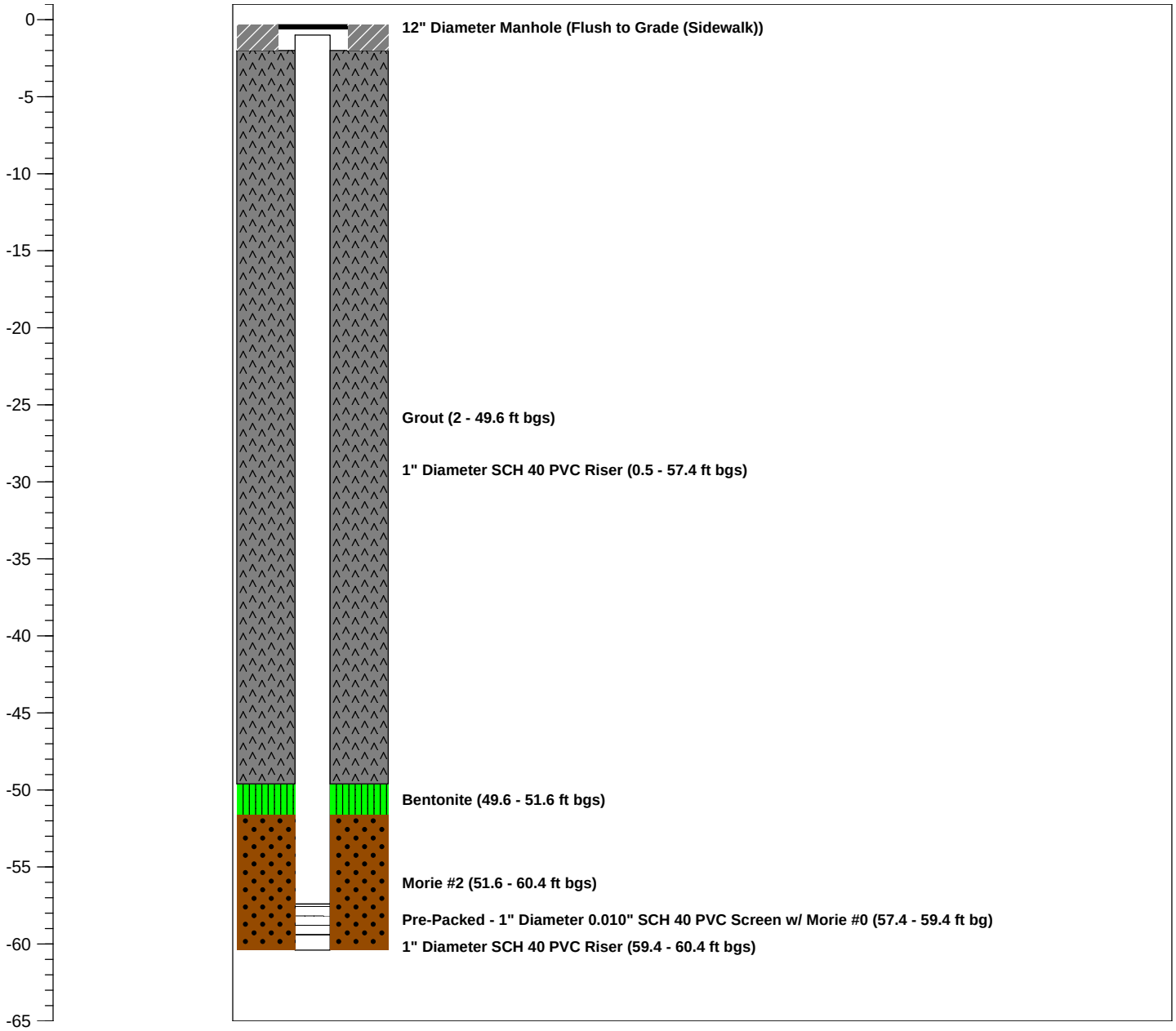
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**60.4'**	WELL NO.:	**OW-1-51R**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**3/17/11**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

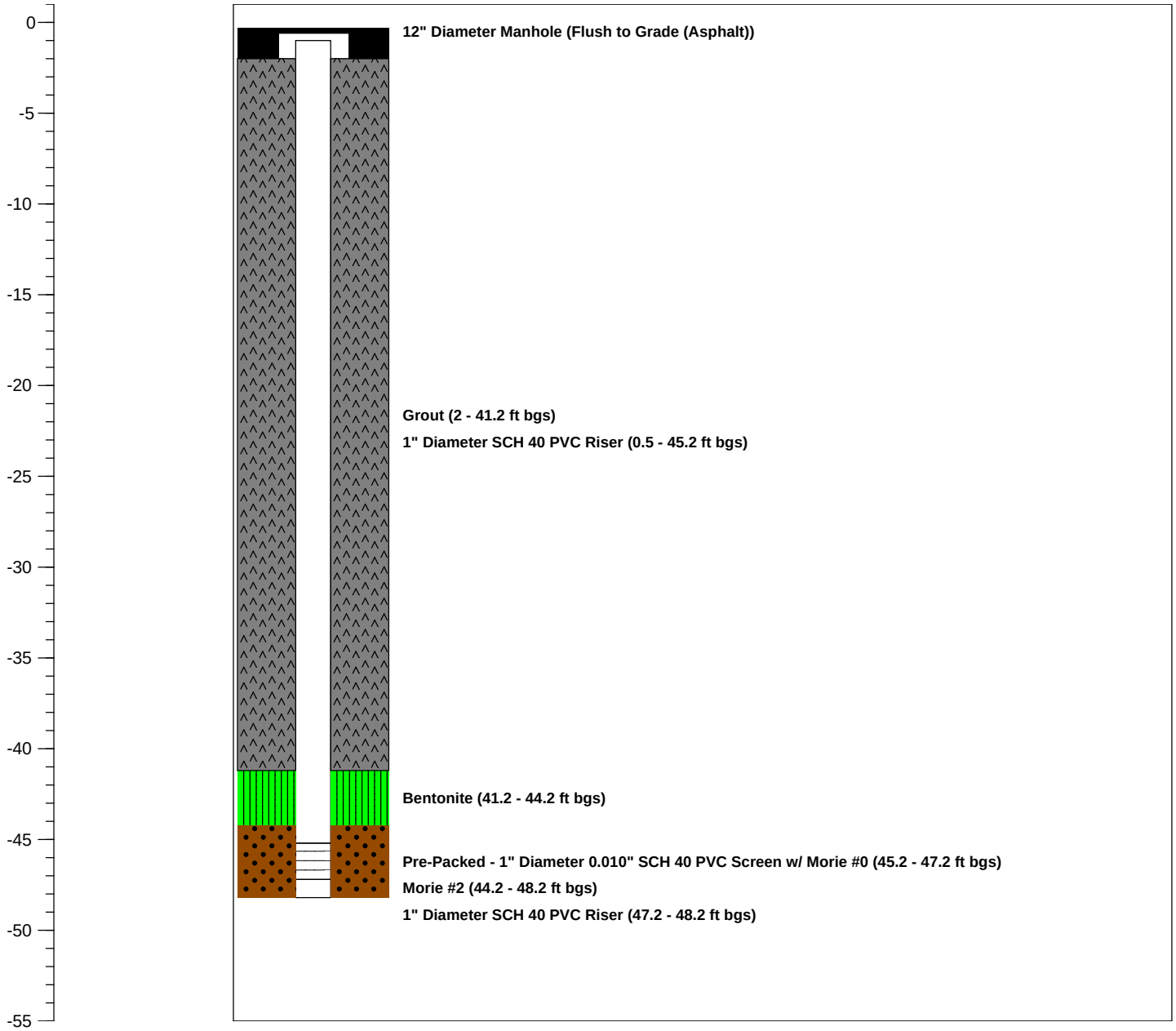
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.2'**	WELL NO.:	**OW-1-26SR**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**3/17/11**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

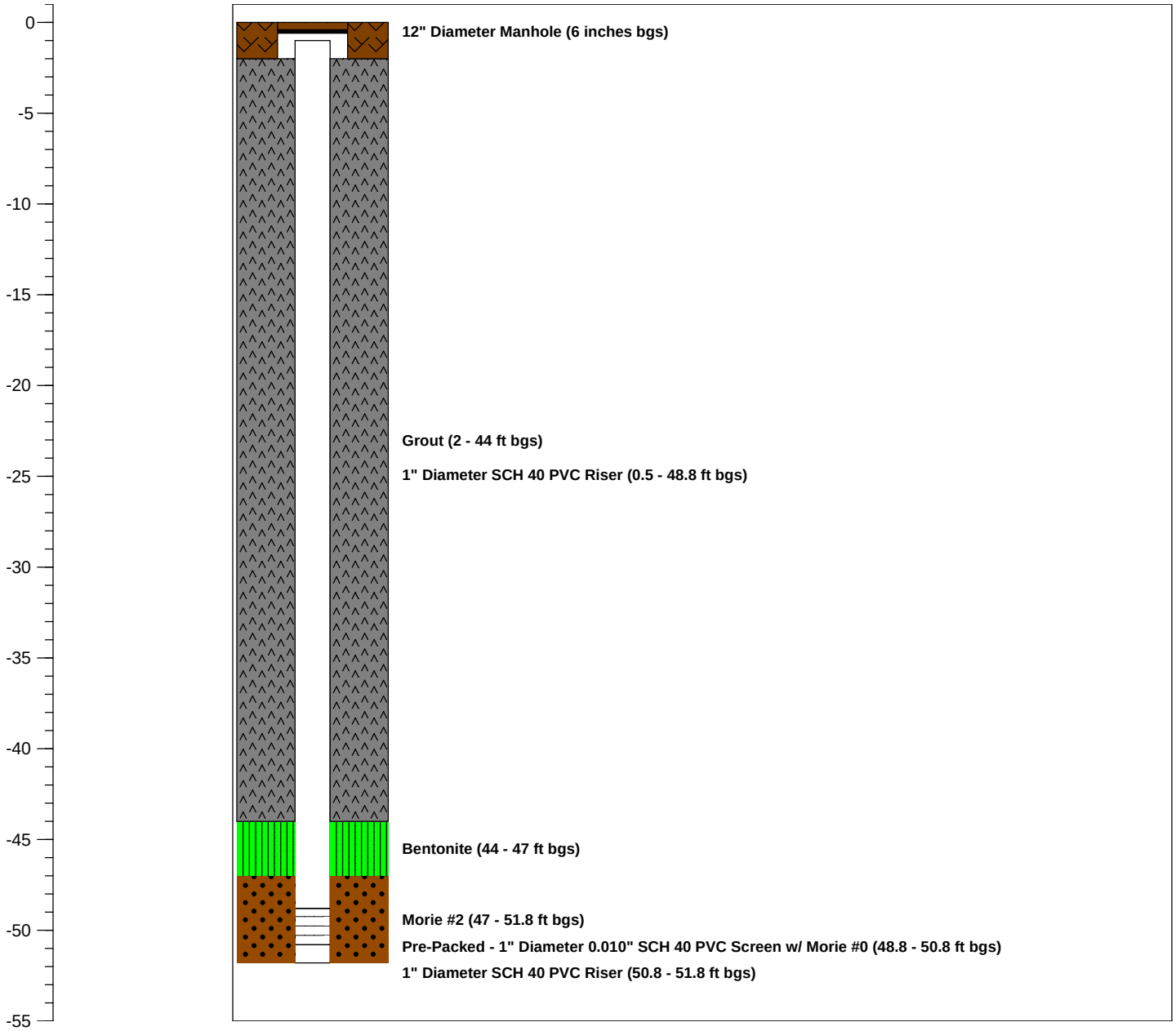
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**51.8'**	WELL NO.:	**OW-1-16SR**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**3/17/11**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	March 21, 2011
Weather Conditions:	Clear, ~45° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Hand cleared around injection well (OW-1-51) and disconnected the existing HDPE oxygen line and fittings. Rerouted the HDPE Oxygen line to the newly installed injection well (OW-1-51R). Connected fittings and ball valve to OW-1-51R. Moved manhole from old injection well (OW-1-51) and set in concrete to the new injection well (OW-1-51R). Backfilled open area with common fill and tamped for compaction. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety. Reviewed slips, trips and falls.	Wet Conditions

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	March 22, 2011
Weather Conditions:	Clear, ~45° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Hand cleared around injection well (OW-1-16S) and disconnected the existing HDPE oxygen line and fittings. Rerouted the HDPE Oxygen line to the newly installed injection well (OW-1-16SR). Connected fittings and ball valve to OW-1-16SR. Moved manhole from old injection well (OW-1-16S) and set in concrete to the new injection well (OW-1-16SR). Backfilled open area with common fill and tamped for compaction. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety. Reviewed slips, trips and falls.	Wet Conditions

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 23, 2011
Weather Conditions:	Rain, ~40° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck

Detailed Summary of Work Performed

Hand cleared around injection well (OW-1-16S) and disconnected the existing HDPE oxygen line and fittings. Rerouted the HDPE Oxygen line to the newly installed injection well (OW-1-16SR). Connected fittings and ball valve to OW-1-16SR. Moved manhole from old injection well (OW-1-16S) and set in concrete to the new injection well (OW-1-16SR). Backfilled open area with common fill and tamped for compaction. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 24, 2011
Weather Conditions:	Clear, ~30° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
Charlie Guzzardo	F&N	
Brian Rath	F&N	

Detailed Summary of Work Performed

Began preparation for sidewalk restoration located on Smith Street. Dug out sections of concrete approximately 5 inches bgs and 7 inches bgs in driveway apron areas. Tamped all areas for compaction. Adjusted manholes to be set in place during concrete restoration. Removed small section of concrete located on Smith Street and transported to the Intersection Street staging yard for stockpiling. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 25, 2011
Weather Conditions:	Clear, ~30° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
Charlie Guzzardo	F&N	
Brian Rath	F&N	

Detailed Summary of Work Performed

Continued preparation for sidewalk restoration located on Smith Street. Dug out sections of concrete approximately 5 inches bgs and 7 inches bgs in driveway apron areas. Tamped all areas for compaction. Adjusted manholes to be set in place during concrete restoration. Removed small section of concrete located on Smith Street and transported to the Intersection Street staging yard for stockpiling. Transported any extra common fill back to the Intersection Street staging yard for stockpiling. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 28, 2011
Weather Conditions:	Clear, ~40° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	

Detailed Summary of Work Performed

Continued preparation for sidewalk restoration located on Smith Street. Dug out sections of concrete approximately 5 inches bgs and 7 inches bgs in driveway apron areas. Tamped all areas for compaction. Adjusted manholes to be set in place during concrete restoration. Transported and installed steel road plates in driveway areas to allow access. Removed small section of concrete located on Smith Street and transported to the Intersection Street staging yard for stockpiling. Transported any extra common fill back to the Intersection Street staging yard for stockpiling. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	March 29, 2011
Weather Conditions:	Clear, ~40° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Mike Smith	F&N	

Detailed Summary of Work Performed

Continued preparation for sidewalk restoration located on Smith Street. Saw-cut areas in sidewalk infront of the vacant building located on Smith Street. Dug out sections of concrete approximately 5 inches bgs and 7 inches bgs in driveway apron areas. Tamped all areas for compaction. Adjusted manholes to be set in place during concrete restoration. Transported and installed steel road plates in driveway areas to allow access. Removed small section of concrete located on Smith Street and transported to the Intersection Street staging yard for stockpiling. Transported any extra common fill back to the Intersection Street staging yard for stockpiling. Disconnected overhead phone lines at the dead end of Wendell Street. Reinstalled "NO parking" signs along Smith Street. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Discussed cold weather safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	March 30, 2011
Weather Conditions:	Clear in the AM ~32° F, Mostly Cloudy in the PM ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Mike Smith	F&N	

Detailed Summary of Work Performed

Transported steel road plates to the driveway areas along Smith Street. Continued sidewalk preparation for all driveway access aprons. Set manholes to proper depth to be set in concrete. Transported all broken concrete back to the Intersection Street staging yard for stockpiling. Developed the reinstalled injection wells. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-51R	Date	3/30/2011	Gallons Recovered	8		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1145	22.00	5.12	0.423	0.0	14.90	Brown	No Odor
1200	Not Measured	5.04	0.389	0.0	14.80	Cloudy	No Odor
1215	22.10	5.03	0.382	0.0	14.80	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-26SR	Date	3/30/2011	Gallons Recovered	6		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1255	18.10	5.18	0.419	14.7	14.40	Brown	Slight Odor
1310	Not Measured	5.15	0.407	16.1	14.40	Cloudy	Slight Odor
1325	18.30	5.14	0.404	8.6	14.40	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-16SR	Date	3/30/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1000	20.10	5.02	0.529	32.4	13.90	Light Gray	Slight Odor
1015	Not Measured	4.92	0.610	18.6	13.90	Cloudy	Slight Odor
1030	Not Measured	4.94	0.562	13.3	14.00	Cloudy	Slight Odor
1045	20.20	4.93	0.567	11.5	14.10	Clear	Slight Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	March 31, 2011
Weather Conditions:	Cloudy with Showers in the AM ~45° F, Showers in the PM ~48° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	

Detailed Summary of Work Performed

Sawcut concrete sidewalk by 77 Smith Street. Demolished and removed concrete sidewalk and transported to the Intersection Street staging yard for stockpiling. Set up barricades around open areas on Smith Street. Cut filter fabric and placed on the hill top of Wendell Street, where the System #1 shed will be located. Layed three cubic yards of 3/4" blue stone for base of the System #1 shed. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002955
Date:	April 1, 2011
Weather Conditions:	Cloudy with Showers in the AM ~41° F, Showers in the PM ~52° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	

Detailed Summary of Work Performed

Transported 3/4" blue stone to the deadend of Wendell Street and graded a 12' x 24' section on top of the hill where the System #1 shed will be placed. Tamped all areas for compaction. Removed any debris from the hill top and transported back to the Intersection Street staging yard. Mobilized to Atlantic Avenue and began preparation for the concrete sidewalk restoration. Dug the sidewalk area down to 5 inches bgs and 7 inches bgs as per required. Tamped all areas for compaction. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 4, 2011
Weather Conditions:	Cloudy, ~45° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Jason Falquecee	F&N	
Enrique Gomez	MG & Sons	
Jose Alarcor	MG & Sons	
Luis Canate	MG & Sons	
Mario Maldoando	Silvestri Landscaping	
Steven Silvestri	Silvestri Landscaping	
Hugo	Silvestri Landscaping	
Oscar	Silvestri Landscaping	

Detailed Summary of Work Performed

Mobilized the backhoe to Atlantic Avenue and removed sections of sidewalk. Transported debris and concrete to Intersection Street staging yard for stockpiling. Removed steel road plates and set the manholes to proper grade. Moved the steel road plates to the driveway access areas located on Smith Street. MG & Sons began concrete restoration. Formed out all areas of the sidewalk located on Smith Street. No concrete was poured. Silvestri Landscaping removed a tree on the hill at the dead end of Wendell Street. Area where System #1 will be located is cleared and ready for delivery. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed tree trimming and removal safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 5, 2011
Weather Conditions:	Rain, ~45° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Mike Ryan Jr.	F&N	
Pete Sorbera	Broman Trucking	

Detailed Summary of Work Performed

Set up barricades along Smith Street to prepare for concrete restoration. Continued removal of sidewalk along Atlantic Avenue. Transported broken concrete to the Intersection Street staging yard for stockpiling. Installed small steel road plate on Smith Street to be used as a walkway. Set up "No Parking" signs along Smith Street. Loaded out one (1) load of tank sand from the Intersection Street staging yard. Installed new sign posts along Smith Street (No Parking). Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 6, 2011
Weather Conditions:	Clear, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Fredy Chica	F&N	
Jason Falquecee	F&N	
Manuel Ferreira	MG & Sons	
Enrique Gomez	MG & Sons	
Jose Portillo	MG & Sons	
Tomas Cortes	MG & Sons	
Jorge Soto	MG & Sons	
Brian Sinclair	Bay Crane	
Randy Hills	Bay Crane	
Andrew Katas	Soil Mechanics	

Detailed Summary of Work Performed

MG & Sons Mobilized concrete front loader to Smith Street. Soil Mechanics performed multiple tests on concrete. MG & Sons began to pour concrete sidewalk along Smith Street. F&N did final preparations to the hill top at the dead end of Wendell Street, where System #1 will be located. Moved roadplates to allow MG & Sons to pour concrete. System #1 Shed was delivered and Bay Crane placed the shed on top of the hill located at the dead end of Wendell Street. Flagmen were used in order to control any traffic through Smith Street during concrete pour and System #1 placement. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed large machinery safety. Reviewed Crane safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 7, 2011
Weather Conditions:	Cloudy, ~45° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	

Detailed Summary of Work Performed

Transported six (6) sections of temporary chain link fence to the dead end of Wendell Street and installed around the System #1 shed. Removed plywood from the rooftop of the shed along with crates around the A.C. unit and vents. Transported material back to the Intersection Street staging yard. Unpacked all equipment inside the System #1 shed. Repaired sprinkler lines located on Atlantic Avenue. Mounted main disconnect for electric service on the side of the shed. Cleaned up any debris on Smith Street and transported back to the Intersection Street staging yard. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed slip, trips & falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 8, 2011
Weather Conditions:	Cloudy, ~45° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	

Detailed Summary of Work Performed

Reinstalled telephone line from the electric utility pole at the dead end of Wendell Street to #77 Smith Street building. Installed two (2) sign poles supplied by the town on Atlantic Avenue. Grounded the base of the System #1 shed. Installed conduit into disconnect on the shed. Secured all electrical wires to the shed, and powered up for a test run. Transported load of RCA to the top of the hill. Spread and raked evenly around the System #1 shed. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed trenching JSA and proper PPE. Reviewed slip, trips & falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 11, 2011
Weather Conditions:	Cloudy, ~45° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
George Brunquell	F&N (Local 138)	Backhoe
Brian Rath	F&N	
Robert McMurray	Silvestri Landscaping	
Oscar A	Silvestri Landscaping	
Anthony Tomosello	Silvestri Landscaping	

Detailed Summary of Work Performed

Finished electrical connections on System #1 shed. Tested out the equipment inside System #1 shed. Grounded all equipment. Transported one (1) load of RCA to the dead end of Wendell Street layed evenly within new fence area around the System #1 shed. Installed all signs to poles and located them on Smith Street and Atlantic Avenue. Loaded out empty reels on trailer. Chain link fence installed around System #1 shed, gate to follow. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Discussed pinch points and machinery safety. Reviewed slip, trips & falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 12, 2011
Weather Conditions:	Rain, ~55° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
George Brunquell	F&N (Local 138)	Backhoe
Mike Ryan Jr.	F&N	
Robert McMurray	Silvestri Landscaping	
Oscar A	Silvestri Landscaping	

Detailed Summary of Work Performed

Finished loading out empty reels on trailer. Transported extra materials back to the Intersection Street staging yard. Cleaned up Intersection Street staging yard. F&N transported load of materials (HDPE hose) back to F&N Yard. Layed 3/4" blue stone around the System #1 shed at the dead end of Wendell Street. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, Reviewed proper PPE. Reviewed slip, trips & falls. Discussed pinch points and machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 13, 2011
Weather Conditions:	Cloudy with some rain, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
Mike Mede	F&N	
Mike Ryan Jr.	F&N	

Detailed Summary of Work Performed

Removed all temporary chain link fence from around System #1 shed. Loaded the fencing onto trailer and transported back to the Intersection Street staging yard. Cleaned up any materials and debris from Smith Street and removed all barricades and safety cones. Materials transported back to the Intersection Street staging yard. Installed temporary gate for the System #1 shed until final gate is installed. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, Reviewed proper PPE. Reviewed slip, trips & falls. Discussed electrical safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 14, 2011
Weather Conditions:	Clear, ~60° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
George Brunquell	F&N (Local 138)	Backhoe
Mike Mede	F&N	
Mike Ryan Jr.	F&N	
Jason Falquecee	F&N	
Manuel Ferreira	MG & Sons	
Enrique Gomez	MG & Sons	
Jorge Soto	MG & Sons	
Andrew Katas	Soil Mechanics	

Detailed Summary of Work Performed

MG & Sons Mobilized concrete front loader to Smith Street. Soil Mechanics performed multiple tests on concrete. MG & Sons began to pour concrete sidewalk along Smith Street. Moved roadplates to allow MG & Sons to pour concrete. Flagmen were used in order to control any traffic through Smith Street during concrete pour and moving of steel road plates. Cut up sections of plywood to shim roadplates for driveway access. Taped off sidewalk areas on Smith Street along with cones to protect the freshly poured concrete. Equipment mobilized to Atlantic Avenue and MG & Sons began to pour concrete on Atlantic Avenue and Hilton Avenue. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed large machinery safety. Reviewed traffic control safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 15, 2011
Weather Conditions:	Clear, ~55° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
Mike Ryan Jr.	F&N	

Detailed Summary of Work Performed

Marked out asphalt along trenches and driveways. Utilized concrete saw and sawcut the marked out asphalt. Cleaned shoulder of Smith Street and transported any debris back to the Intersection Street staging yard. Swept all areas clean and removed any materials left around. Installed MGP locks on electrical equipment loacted at the System #1 shed. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 18, 2011
Weather Conditions:	Cloudy w/ Light Rain, ~55° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	Support Truck
Mike Ryan Jr.	F&N	
Robert McMurphy	Silvestri Landscaping	

Detailed Summary of Work Performed

Installed wire mesh in the openings at the base of System #1 shed. Dug out stone area under the System #1 shed and moved 3/4" lines to inside wall of shed. Repaired duct work which came apart during the shipping process. Utilized backhoe and moved four (4) steel road plates from the driveway areas on Smith Street. Removed barricades along Atlantic Avenue and Hilton Avenue from sidewalk area. Transported fence posts and cones back to the Intersection Street staging yard. Silvestri Lanscaping was onsite to repair fence post around the System #1 shed. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed machinery safety. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 19, 2011
Weather Conditions:	Cloudy w/ Light Rain, ~55° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Jr.	F&N	

Detailed Summary of Work Performed

Moved three (3) steel road plates, and cleaned up any debris left on the sidewalk area of Smith Street. Transported RCA to the dead end of Wendell Street and layed along the built in access way. Sweeped Smith Street and Wendell Street and transported any debris back to the Intersection Street staging yard for disposal. Organized and cleaned up materials in the Intersection Street staging yard. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed machinery safety. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 21, 2011
Weather Conditions:	Cloudy & Windy, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	

Detailed Summary of Work Performed

Connected 100 3/4" PVC check valves with hose barbs to the installed HDPE lines. Sorted HDPE lines and well numbers into each manifold. Marked out existing location of HDPE lines within the trench with spray paint to warn other contractors. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 22, 2011
Weather Conditions:	Partly Cloudy, ~50° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	

Detailed Summary of Work Performed

Continued connecting 3/4" PVC check valves with hose barbs to the installed HDPE lines. Sorted HDPE lines and well numbers into each manifold. Began connections of HDPE lines to the manifolds designated. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 25, 2011
Weather Conditions:	Cloudy, ~60° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	
Steven Silvestri	Silvestri Landscaping	
Mario Maldonado	Silvestri Landscaping	
Hugo Maldonado	Silvestri Landscaping	
Oscar Lemus	Silvestri Landscaping	

Detailed Summary of Work Performed

Finished connecting 3/4" PVC check valves with hose barbs to the installed HDPE lines. Extended HDPE lines through the floor in order to connect the HDPE lines to the manifolds designated. Silvestri Landscaping was onsite and began restoration. Silvestri planted trees around System #1 Shed located on top of the hill at the dead end of Wendell Street. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 26, 2011
Weather Conditions:	Clear, ~65° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	
Mike Ryan Jr.	F&N	
Steven Silvestri	Silvestri Landscaping	
Mario Maldonado	Silvestri Landscaping	
Hugo Maldonado	Silvestri Landscaping	
Oscar Lemus	Silvestri Landscaping	

Detailed Summary of Work Performed

Finished connecting 3/4" PVC check valves with hose barbs to the installed HDPE lines. Extended HDPE lines through the floor in order to connect the HDPE lines to the manifolds designated. Marked out areas to be saw cut. Silvestri Landscaping was onsite and continued restoration. Silvestri spread mulch around the hilltop at the dead end of Wendell Street. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 27, 2011
Weather Conditions:	Cloudy, ~60° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	
Mike Ryan Jr.	F&N	
George Brunquell	F&N	
Brian Rath	F&N	
Tim Megill	Lindley Bros	
Jose Pina	Lindley Bros	
Martin Alvaraga	Lindley Bros	
Jose Romero	Lindley Bros	
Mario Chaves	Lindley Bros	
David Barrows	Lindley Bros	
Jose Bonilla	Lindley Bros	
Javier Quintanilla	Lindley Bros	
Jon Able	Lindley Bros	

Detailed Summary of Work Performed

Set up safety cones on Hilton Avenue to control traffic flow. Loaded five (5) steel road plates and transported back to the Intersection Street staging yard. Utilized backhoe to excavate areas of the trench to 7 inches bgs. Adjusted manholes to finished grade. Transported loads of debris to the Intersection Street staging yard for disposal. Lindley Bros was onsite and restored asphalt road on Hilton Avenue and Wendell Street. Cleaned up all areas of driveways and sidewalk of any debris. Secured snow fence and barricades throughout the work area for safety.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 28, 2011
Weather Conditions:	Light Rain, ~65° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan Sr.	F&N	
Mike Ryan Jr.	F&N	Support Truck
Brian Rath	F&N	
George Brunquell	F&N	Backhoe
Barry Rummell	Glacier Drilling	GeoProbe# 8040
Marvin Bell	Glacier Drilling	
Alan Setehell	Matrix	
Steven Silvestri	Silvestri Landscaping	
Hugo Maldonado	Silvestri Landscaping	
Mario Maldanado	Silvestri Landscaping	
Will Maldanado	Silvestri Landscaping	

Detailed Summary of Work Performed

Onsite with Alan from Matrix to introduce System #1 and its components. Training session given by Matrix. Opened up all manholes and wire brushed clean. Bolted down secure. Painted all manholes light gray. Began removing signs and barricades from Smith Street and transported back to the Intersection Street staging yard. Silvestri Landscaping on site and began installing bushes and trees around System #1 shed. Utilized GeoProbe# 8040 and installed two (2) monitoring points (Wendell Street, Near HISB-106) to 52 feet and 55 feet bgs respectively. Planted seeds on the hill area at the dead end Wendell Street.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

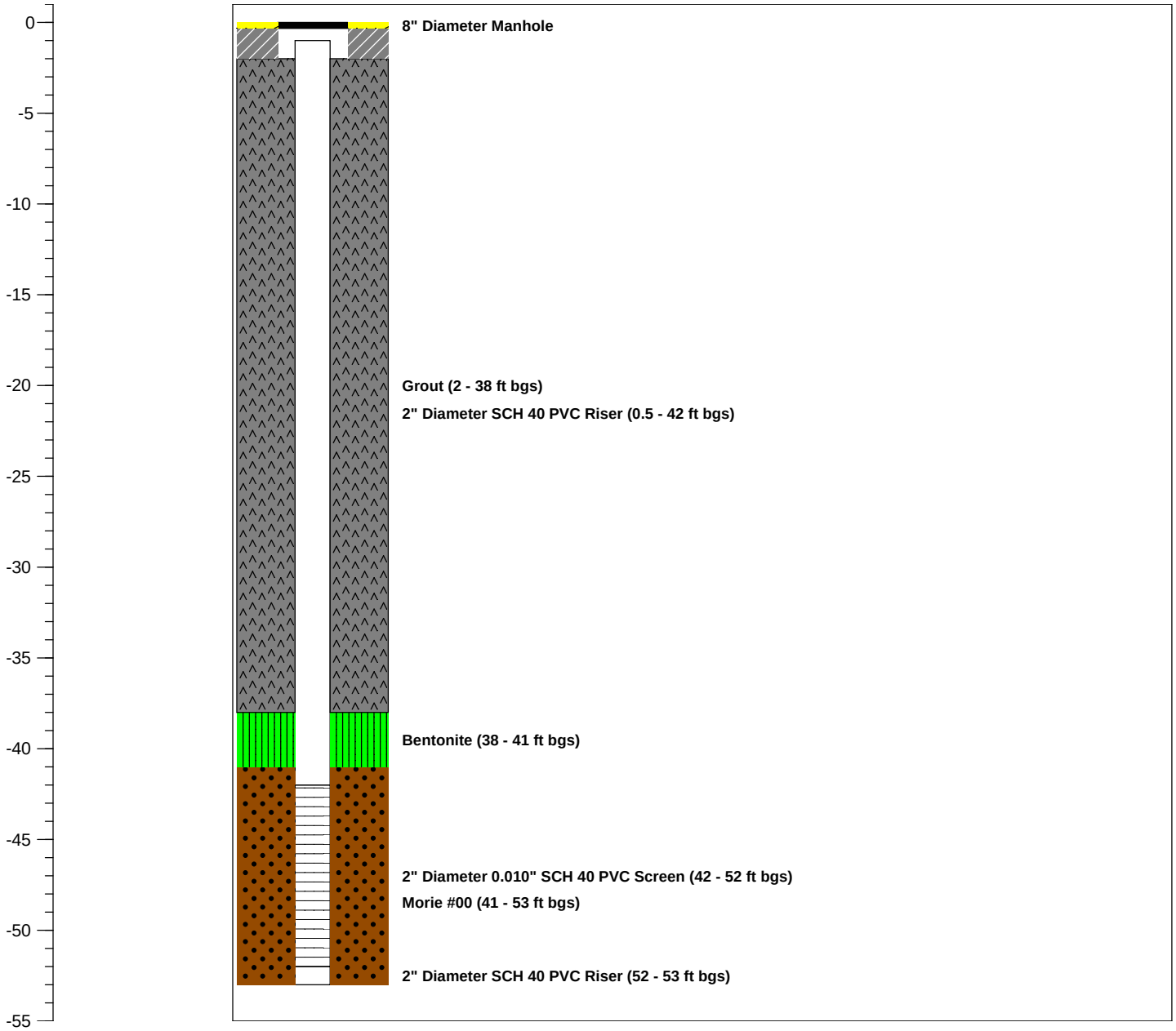
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**53'**	WELL NO.:	**HIMW-25**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**4.5"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**4/28/11**	Sampling Method:	-
Driller:	**Barry Rummell**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: **The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.**

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

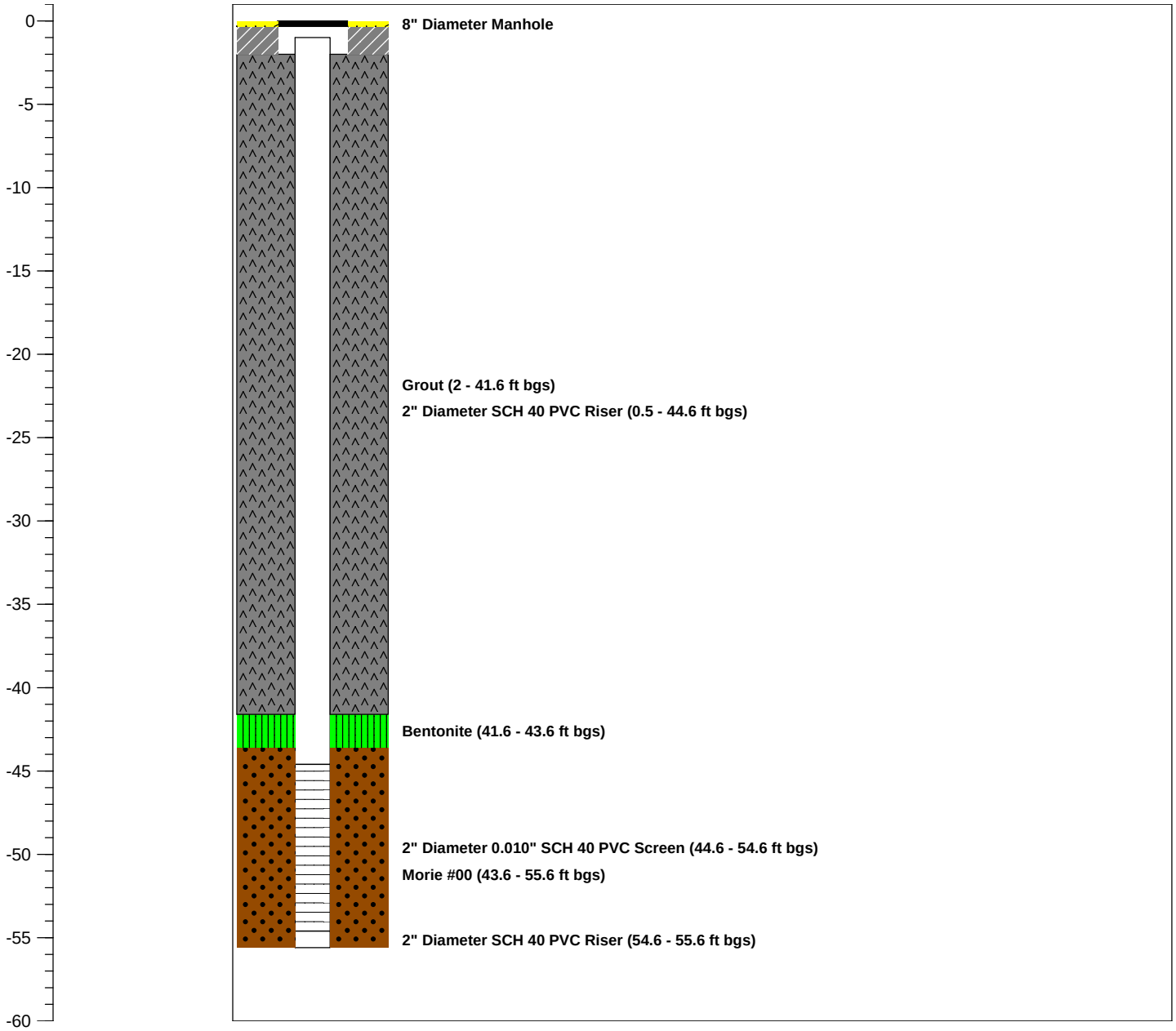
TOTAL DEPTH: **55.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **4.5"**

WELL NO.: **HIMW-24**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **4/28/11**
Driller: **Barry Rummell**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	April 29, 2011
Weather Conditions:	Clear, ~65° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
Mike Ryan Jr.	F&N	Support Truck
Brian Rath	F&N	
George Brunquell	F&N	Backhoe
Barry Rummell	Glacier Drilling	GeoProbe# 8040
Marvin Bell	Glacier Drilling	

Detailed Summary of Work Performed

Opened up all manholes and wire brushed clean. Bolted manholes down secure. Painted all manholes located in sidewalk light gray, and any in the asphalt black. Removed signs and barricades from Smith Street and transported back to the Intersection Street staging yard. Utilized GeoProbe# 8040 and installed one (1) monitoring point (Near HISB-115) to 78 feet bgs. Attempted to install one (1) monitoring point (Near HIGP-64) attempt failed. Swept and cleaned Smith Street of any debris.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

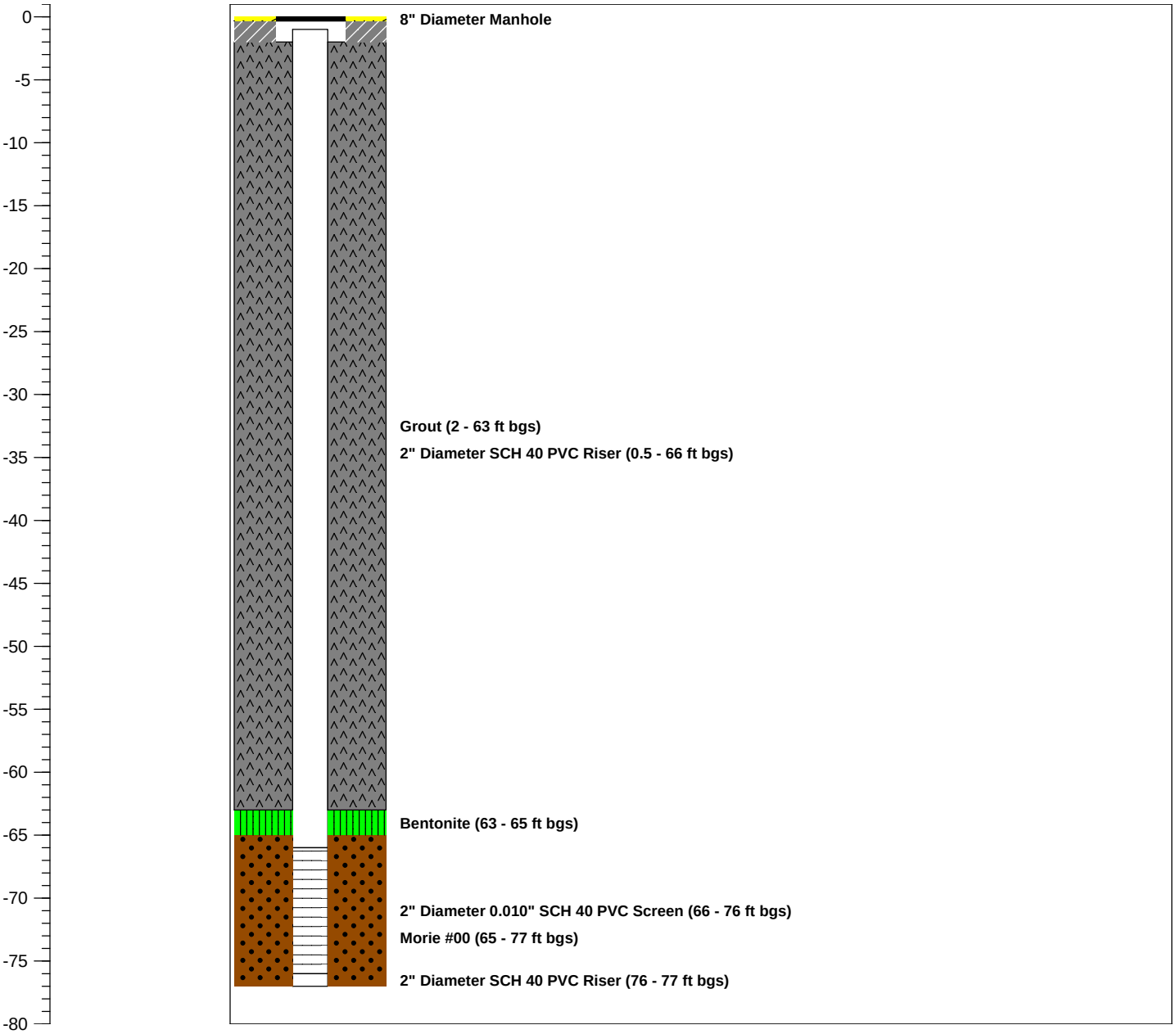
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**77'**	WELL NO.:	**HIMW-23**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**8"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Hollow Stem Auger**
Dates Drilled:	**4/29/11**	Sampling Method:	-
Driller:	**Barry Rummell**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	May 2, 2011
Weather Conditions:	Cloudy, ~55° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Jr.	F&N	Support Truck
Brian Rath	F&N	
Mike Mede	F&N	

Detailed Summary of Work Performed

Cleaned up remaining manholes with a wire brush. Bolted down manholes secure. Painted manholes either light gray (sidewalk) or black (asphalt). Loaded up equipment and materials to transported out of the Intersection Street staging yard back to the Fenley & Nicol yard. One man developed three (3) previously installed monitoring points.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	HIMW-23	Date	5/2/2011	Gallons Recovered	60		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1230	30.60	6.30	0.873	Not Measured	15.57	Cloudy	No Odor
1245	29.80	6.90	0.822	Not Measured	15.57	Clear	No Odor
1300	29.80	6.99	0.774	Not Measured	15.36	Clear	No Odor
1315	29.80	7.03	0.746	Not Measured	15.57	Clear	No Odor
1330	29.80	7.08	0.748	Not Measured	15.60	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	HIMW-25	Date	5/2/2011	Gallons Recovered	60		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1030	16.10	6.35	0.607	Not Measured	15.28	Cloudy	No Odor
1045	16.30	6.47	0.581	Not Measured	15.25	Clear	No Odor
1100	16.30	6.44	0.582	Not Measured	15.22	Clear	No Odor
1115	16.30	6.40	0.575	Not Measured	15.23	Clear	No Odor
1130	16.30	6.37	0.570	Not Measured	15.21	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	HIMW-24	Date	5/2/2011	Gallons Recovered	70		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
845	13.80	5.35	0.512	Not Measured	15.31	Cloudy	No Odor
900	13.80	5.62	0.509	Not Measured	15.29	Clear	No Odor
915	13.80	5.99	0.488	Not Measured	15.34	Clear	No Odor
930	13.80	5.99	0.480	Not Measured	15.36	Clear	No Odor
945	13.80	6.02	0.478	Not Measured	15.39	Clear	No Odor
1000	13.80	6.03	0.477	Not Measured	15.39	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	May 3, 2011
Weather Conditions:	Clear, ~60° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Megan Dascoli	URS	
Tony Palomeque	F&N	Drilling Support Truck
Mike Mede	F&N	GeoProbe #7720
Mike Ryan Sr.	F&N	Support Truck
Mike Ryan Jr.	F&N	
Brian Rath	F&N	Support Truck
Rich Ramirez	D&D	

Detailed Summary of Work Performed

Installed manhole for previously installed Monitoring Well on Hilton Avenue. Painted any remaining manhole covers light gray (sidewalk) or black (asphalt). Repaired HDPE Injection line 9S. Cleaned up Intersection Street staging yard. Utilized GeoProbe #7720 and installed one (1) Monitoring Well to 65 feet bgs.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

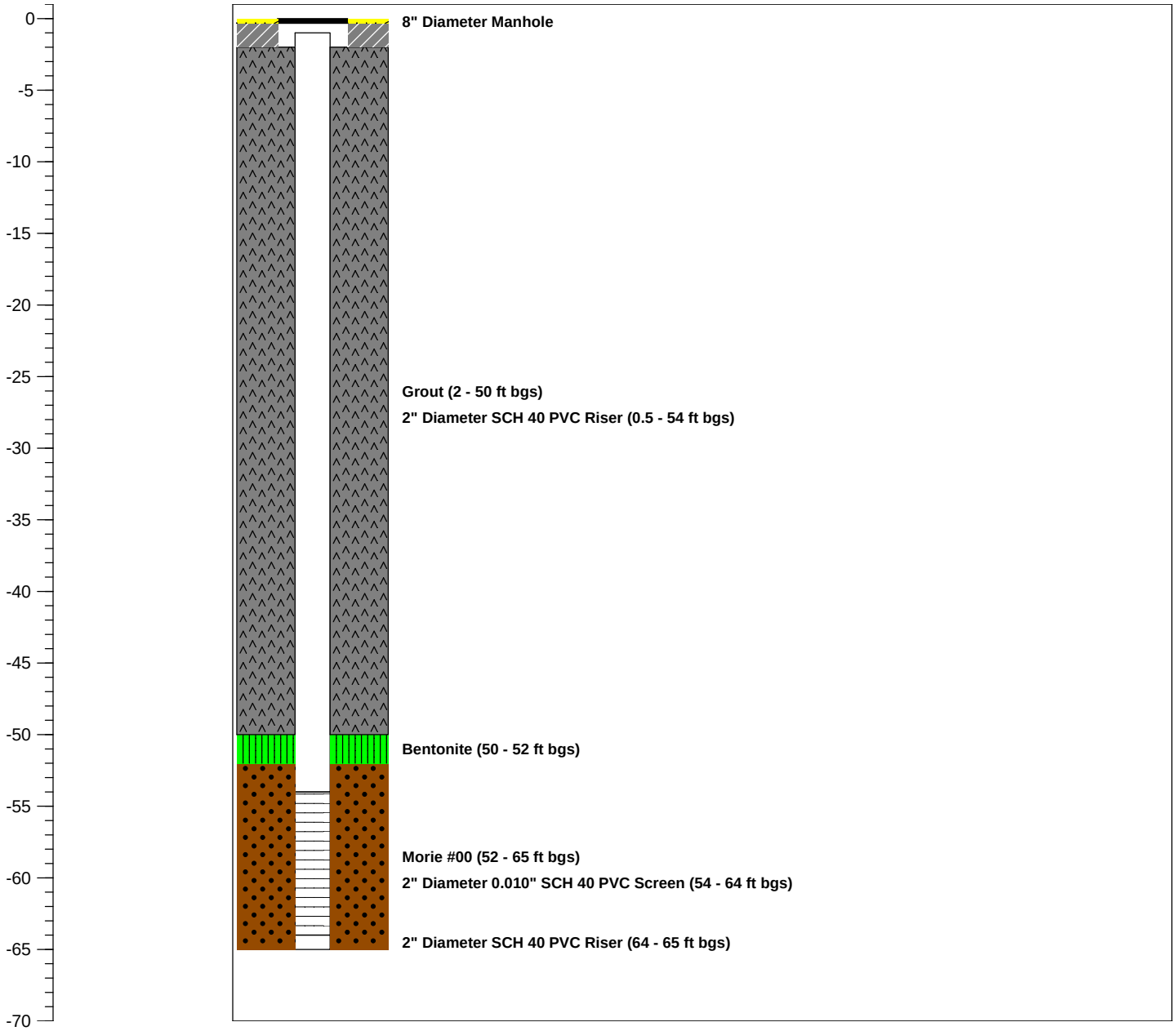
TOTAL DEPTH: **65'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **HIMW-22**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: **-**
Dates Drilled: **5/3/11**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Hollow Stem Auger**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	May 5, 2011
Weather Conditions:	Clear, ~60° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Jr.	F&N	
Brian Rath	F&N	Support Truck

Detailed Summary of Work Performed

Installed manholes for previously installed Monitoring Wells located on Hilton Avenue. Mixed concrete and set manholes within a small pad. Developed the previously installed monitoring well. Cleaned up the work-site and sent materials back to F&N yard.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	HIMW-22	Date	5/5/2011	Gallons Recovered	60		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1030	29.10	5.82	0.226	0.0	16.05	Cloudy	No Odor
1045	29.10	6.23	0.220	0.0	16.09	Cloudy	No Odor
1100	29.10	6.34	0.217	0.0	16.13	Clear	No Odor
1115	29.10	6.39	0.216	0.0	16.10	Clear	No Odor

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	May 6, 2011
Weather Conditions:	Clear, ~60° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Jr.	F&N	

Detailed Summary of Work Performed

Cleaned and raked around the three (3) previously installed monitoring wells. Filled the area level with soil and planted grass seeds. Swept sidewalk areas, and repainted the manholes that needed to be touched up. Cleanup around the Intersection Street staging yard.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	May 9, 2011
Weather Conditions:	Clear, Windy, ~60° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Jr.	F&N	
Ray Wilson	F&N	

Detailed Summary of Work Performed

Cleaned out debris from concrete along the fenceline and sidewalk area located on Smith Street. Swept up the sidewalk and dead end area of Wendell Street. Removed any of the remaining sidewalk closed signs about the work site. Cleanup at the Intersection Street staging yard.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	May 13, 2011
Weather Conditions:	Clear, ~65° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	

Detailed Summary of Work Performed

Motor replacement was installed by manufacturer for System #1 via warranty. F&N was oversite to ensure proper handling.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	May 16, 2011
Weather Conditions:	Cloudy /w Rain, ~65° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
George Brunquell	F&N (138)	

Detailed Summary of Work Performed

Crushed all DOT 55-gallon drums and loaded in dump truck. Transported two (2) loads of crushed drums to Gershow Recycling Facility. Loaded dump truck with broken asphalt and loaded two (2) 550 gallon ASTs on trailer. Transported back to the F&N yard.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	May 17, 2011
Weather Conditions:	Rain, ~65° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
George Brunquell	F&N (138)	

Detailed Summary of Work Performed

Loaded dump truck with broken asphalt and fill. Transported three (3) loads back to the F&N yard. Backhoe was demobilized off National Grid staging area.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	May 24, 2010
Weather Conditions:	Cloudy, ~74° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	
Jason Kamback	F&N	

Detailed Summary of Work Performed

Dug out manholes of injection wells (OW-1-3, OW-1-16D, OW-1-19S & OW-1-12S) to locate and identify leaks. Performed soap test and made any repairs that were necessary. Backfilled the open areas. Adjusted the flow rate on all of the banks and secured extra lines on unused flow meters. Silvestri Landscaping was onsite and raked and graded the LIRR right of way behind the Atrium property. They began to install the sod up to the fence by Atlantic Avenue. Silvestri Landscaping also replanted three (3) trees along the fence inside the LIRR right of way. Continued to lay sod along Hilton Avenue.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	May 25, 2011
Weather Conditions:	Clear, ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Charlie Guzzardo	F&N	

Detailed Summary of Work Performed

Loaded dump truck with asphalt and set up to saw cut gutter curb along Smith Street. Decision was made by Kobi property owner to not cut and replace. Kobi property owner made the decision to leave concrete sidewalk as is. Cleaned up materials in the Intersection Street staging yard. Silvestri Landscaping was onsite and completed all sod work in the LIRR right of way and along Hilton Avenue.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	May 26, 2011
Weather Conditions:	Clear, ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Charlie Guzzardo	F&N	
Mike Smith	F&N	

Detailed Summary of Work Performed

Loaded dump truck with asphalt to transport out of the Intersection Street staging yard. Installed fence posts set in concrete at the Atrium property by Atlantic Avenue. Attempted to re-install fence by Atlantic Avenue but needed additional parts. Fence was temporarily put back together and closed. Saw-cut along Smith Street in front of Kobi property was filled in with sikaflex. Cleaned up the Intersection Street staging yard.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	May 27, 2011
Weather Conditions:	Clear & Windy, ~70° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	

Detailed Summary of Work Performed

Transported chain link fence parts to the work site and re-installed the fence on the Atrium property by Atlantic Avenue. Observed pressure readings from each Injection Point and made any necessary adjustment to the flow rate. Took O2 readings from the Monitoring Points. Raked out top soil areas next to the shed. Picked up garbage from fence areas and transported back to the Intersection Street staging yard for disposal.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	May 31, 2011
Weather Conditions:	Clear, ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	
Mike Ryan Jr.	F&N	
John Marchetti	F&N	

Detailed Summary of Work Performed

Set up and filled water tank. Transported the filled water tank to the work area, and water all areas of sod and bushes/trees along the Atrium property. Saw-cut and removed one (1) concrete sidewalk flag along Hilton Avenue. Transported broken concrete to the Intersection Street staging yard. Created concrete form and poured one (1) concrete sidewalk flag. Set up barricades and secured the area.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls, reviewed concrete demolition.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	June 1, 2011
Weather Conditions:	Cloudy, ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	
Mike Ryan Jr.	F&N	

Detailed Summary of Work Performed

Set up and filled water tank. Transported the filled water tank to the work area, and watered all areas of sod and bushes/trees along the Atrium property. Removed forms from sidewalk area located on Hilton Avenue. Back filled all holes with common fill and raked out the grass area. Completed re-installing the fence on the Atrium Property by Atlantic Avenue. Put warning signs on the system #1 shed. Repainted various manholes located on Smith Street. Cleaned up the work area.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	June 2, 2011
Weather Conditions:	Clear, ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Silvestri Landscape	Silvestri Landscape	

Detailed Summary of Work Performed

Silvestri Landscape was on site and installed fence posts at the bottom of the access roadway to the System #1 shed. Fence posts were located at the dead-end of Wendell Street and set in concrete. Fence to be installed after the posts are set.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls. Reviewed traffic safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	June 3, 2011
Weather Conditions:	Clear, ~80° F
Hours of Operation:	9:30 AM to 10:30 AM

Labor

Name	Company	Equipment Utilized
Jason Falquecee	F&N	
Lindley Bros.	Lindley Bros.	

Detailed Summary of Work Performed

Stop bar located at the intersection of Smith Street and Wendell Street was repainted by Lindley. Area was secured by safety cones in order to allow time to dry. Parking space line located at the Atrium Apartment Complex located on Atlantic Avenue was repainted. Area was secured by safety cones in order to allow time to dry.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls. Reviewed traffic safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	June 6, 2011
Weather Conditions:	Clear, ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	
Alan Setchell	Matrix	
Robert McMurray	Silvestri Landscape	
Oscar	Silvestri Landscape	

Detailed Summary of Work Performed

F&N inspected all sprinkler heads located within the LIRR right of way and checked for nozzles. Four (4) sprinkler heads were replaced. Silvestri Landscape was onsite and replaced the dead sod located in the LIRR right of way. Chain link fence was installed as was the gate at the dead-end of Wendell Street. Matrix was onsite to replace the flow meters inside the System #1 shed.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls. Reviewed traffic safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002955
Date:	June 7, 2011
Weather Conditions:	Clear, ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan Sr.	F&N	
Alan Setchell	Matrix	

Detailed Summary of Work Performed

Matrix was onsite to replace the flow meters inside the System #1 shed. Raked out mulch areas on the hillside in the LIRR right of way. Raked out and added top soil around the newly installed monitoring wells. Seeded the area and watered. Readjusted sprinkler heads on Atlantic Avenue. Repaired broken sprinkler head located on Atlantic Avenue. Secured the O-2 Lines within the System #1 Shed.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, reviewed proper PPE. Reviewed slip trips and falls. Reviewed traffic safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	May 24, 2010
Weather Conditions:	Mostly Cloudy, Rain ~70° F
Hours of Operation:	7:30 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	
Jeannie Byrne	F&N	
Megan Dascoli	URS	

Detailed Summary of Work Performed

Pre-Cleared nine (9) injection point locations (OW-2-47 through OW-2-39) in Mirschel Park to 5 feet below grade. Received delivery of injection point materials and portland cement. Norsic on-site to install septic tank and water supply in F&N office trailer.

Health & Safety

Tailgate Meeting	Observations
Reviewed hospital directions, emergency evacuation plan and discussed that each work area will have a new meeting place. Reviewed mobilization and hand clearing JSA's.	Upon arrival at Mirschel Park, a 3rd party contractor was observed to be working in the park. Work was stopped and further discussion was had about securing the work areas and to be mindful of 3rd party vehicles in the work area.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	May 25, 2010
Weather Conditions:	Sunny ~80° F
Hours of Operation:	7:45 AM to 3:45 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Jeannie Byrne	F&N	
Matt Briody	F&N	
Megan Dascoli	URS	Air Monitoring
Patrick Van Rossem	National Grid	

Detailed Summary of Work Performed

Pre-cleared three (3) injection point locations (OW-2-38 through OW-2-36) in Mirschel Park to 5 feet below grade. Received delivery of additional well construction materials (Morie Gravel, Bentonite Pellets & Volclay Grout). Pat Van Rossem on-site to review work performed to date. Constructed decontamination pad and organized staging area. Cemented four (4) soil boring locations on Oswego Oil property.

Health & Safety

Tailgate Meeting	Observations
Reviewed hospital directions, emergency evacuation plan and discussed work area meeting place. Reviewed well-installation JSA's. Discussed heat stress and hydration, knife usage, personal hygiene and proper gloves.	Upon arrival at Mirschel Park, the Village of Hempstead Parks Department was observed to be mowing the grass in the park. Maintained secured area and stopped work as tractor passed to shelter from mowing debris.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number: 1002965

Date: May 26, 2010

Weather Conditions: Sunny ~90° F

Hours of Operation: 7:30 AM to 5:00 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Jeannie Byrne	F&N	
Matt Briody	F&N	
Megan Dascoli	URS	Air Monitoring

Detailed Summary of Work Performed

Installed two (2) injection points (OW-2-47 & OW-2-46) to 60.5 feet below grade and 61 feet below grade, respectively. Received delivery of storage trailer to secure well materials and equipment.

Health & Safety

Tailgate Meeting	Observations
Reviewed well-installation JSA. Discussed heat stress and hydration, knife usage and personal hygiene.	None - No Significant Events.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

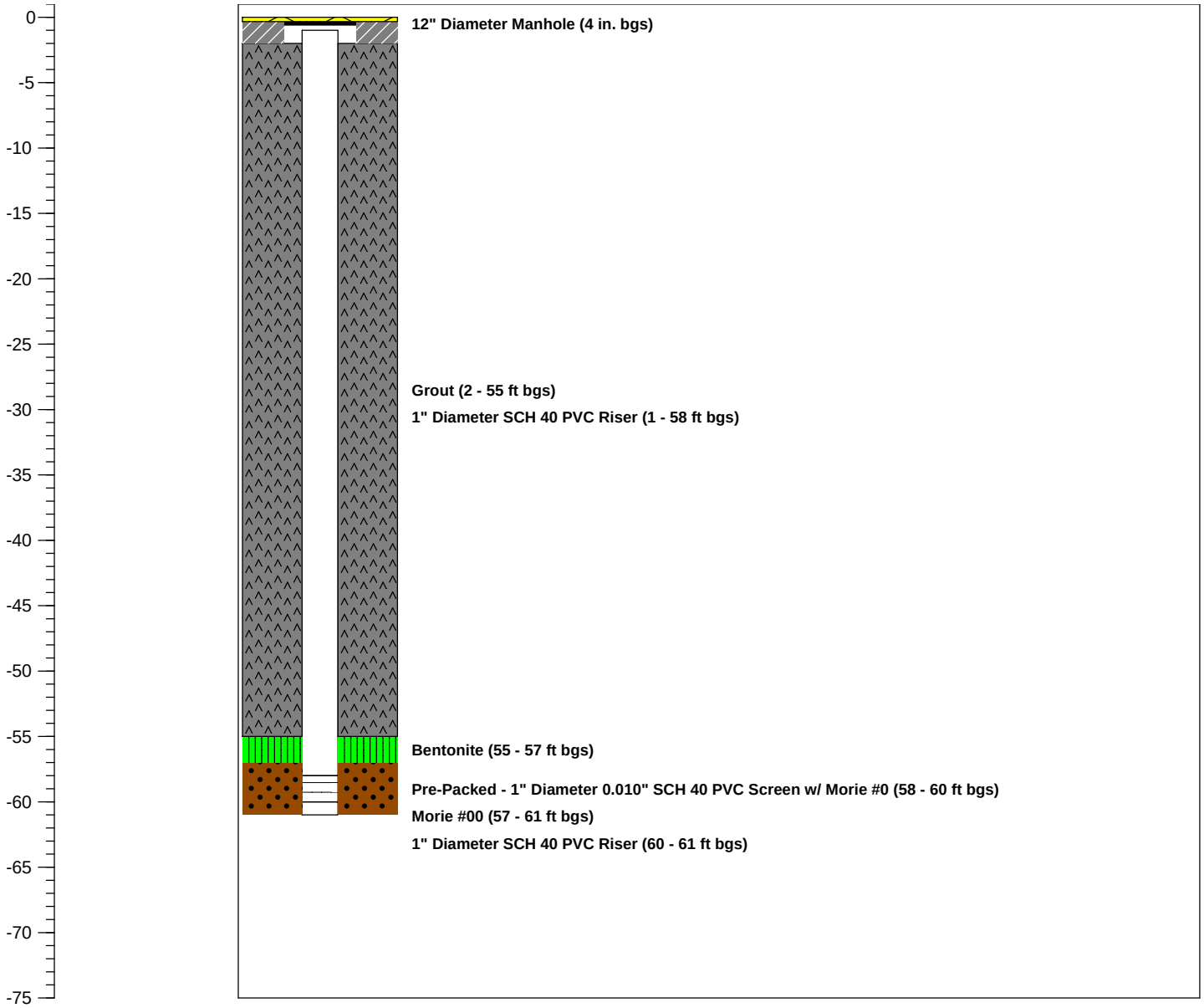
TOTAL DEPTH: **61'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-46**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **5/26/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

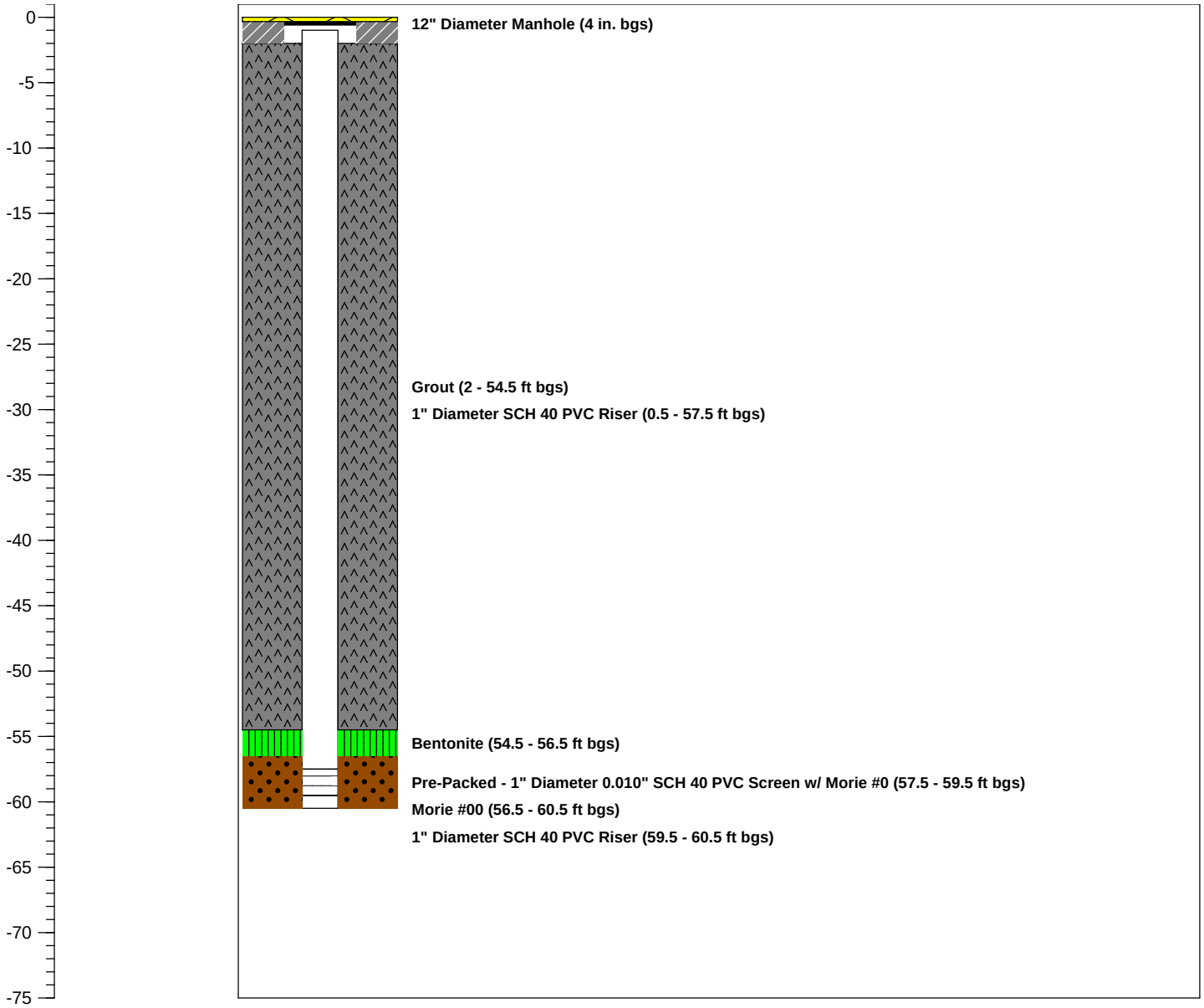
TOTAL DEPTH: **60.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-47**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **5/26/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	May 27, 2010
Weather Conditions:	Mostly Cloudy ~70° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Jeannie Byrne	F&N	
Matt Briody	F&N	
Megan Dascoli	URS	Air Monitoring
Jose Rivera	Utility Detection, Inc.	

Detailed Summary of Work Performed

Installed two (2) injection points (OW-2-45 & OW-2-44) to 61.1 feet below grade and 60.6 feet below grade, respectively. OW-2-44 was drilled to the target depth of 61.3 feet below grade. However, as the drive casing was being removed the well lifted up to 60.6 feet below grade. Utility Detection, Inc. conducted a private utility locate and GPR survey in all work areas for System #2.

Health & Safety

Tailgate Meeting	Observations
Reviewed drilling and well-installation JSA. Discussed thunder and lightning safety and air monitoring.	Discussed dangers of traffic coming out of parking garage on Smith Street and uneven ground in park.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

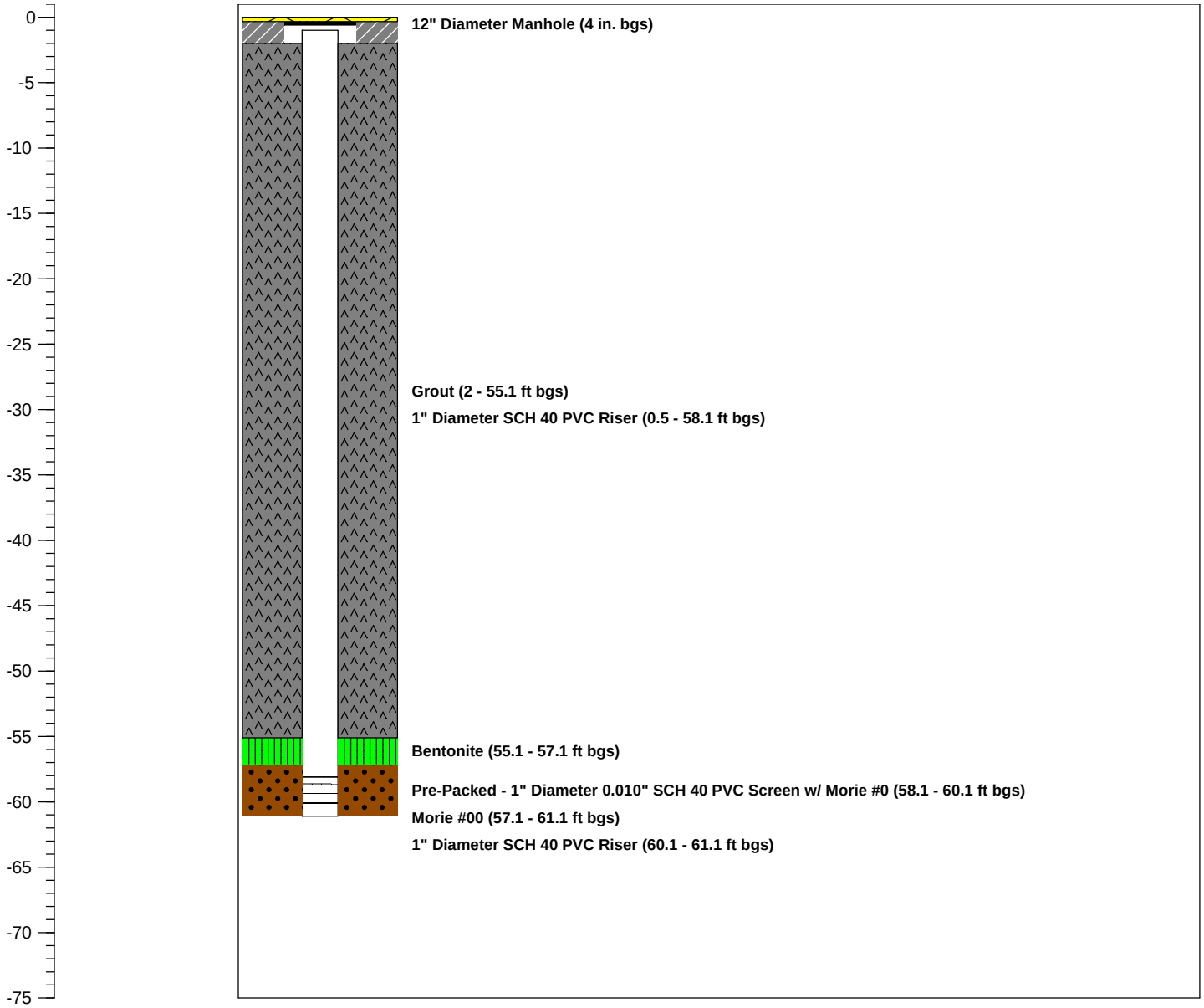
TOTAL DEPTH: **61.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-45**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **5/27/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

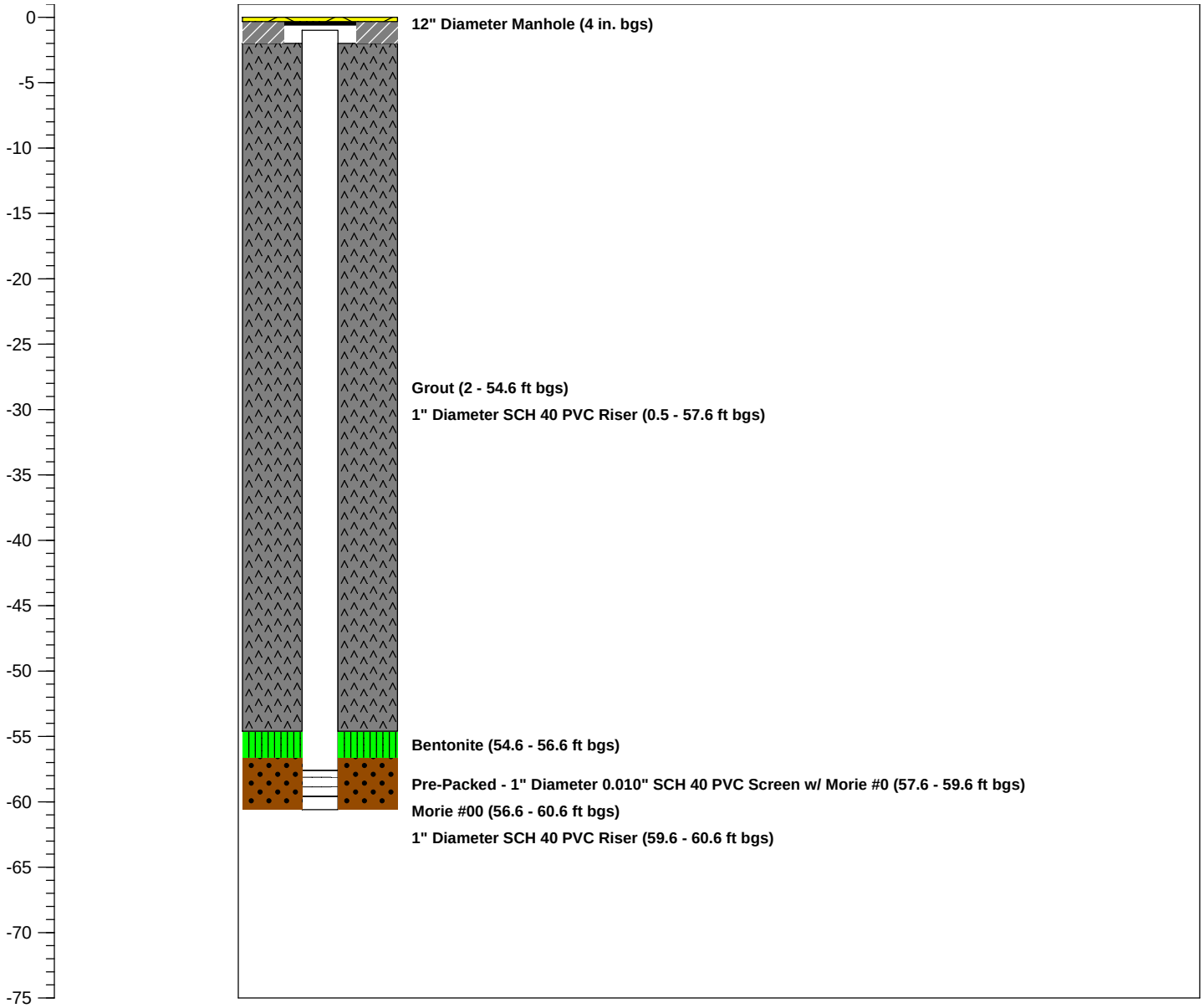
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**60.6'**	WELL NO.:	**OW-2-44**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**5/27/10**	Sampling Method:	-
Driller:	**Kevin Kegel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	May 28, 2010
Weather Conditions:	Mostly Cloudy ~75° F
Hours of Operation:	7:00 AM to 2:00 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Jeannie Byrne	F&N	
Megan Dascoli	URS	Air Monitoring
David Angalet	Gallas Surveying	
Justin Tugya	Gallas Surveying	

Detailed Summary of Work Performed

Installed one (1) injection point (OW-2-43) to 61.4 feet below grade. High Point Engineering/Gallas Surveying Group continued with base map surveying at 158 Hilton Avenue, along Hilton Avenue and Kensington Court.

Health & Safety

Tailgate Meeting	Observations
Reviewed well-installation JSA. Discussed compressor safety, poison ivy, hazard identification and near losses.	Tripping Hazard Identified - Discussed proper placement of water hose when drilling to keep work area clear.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

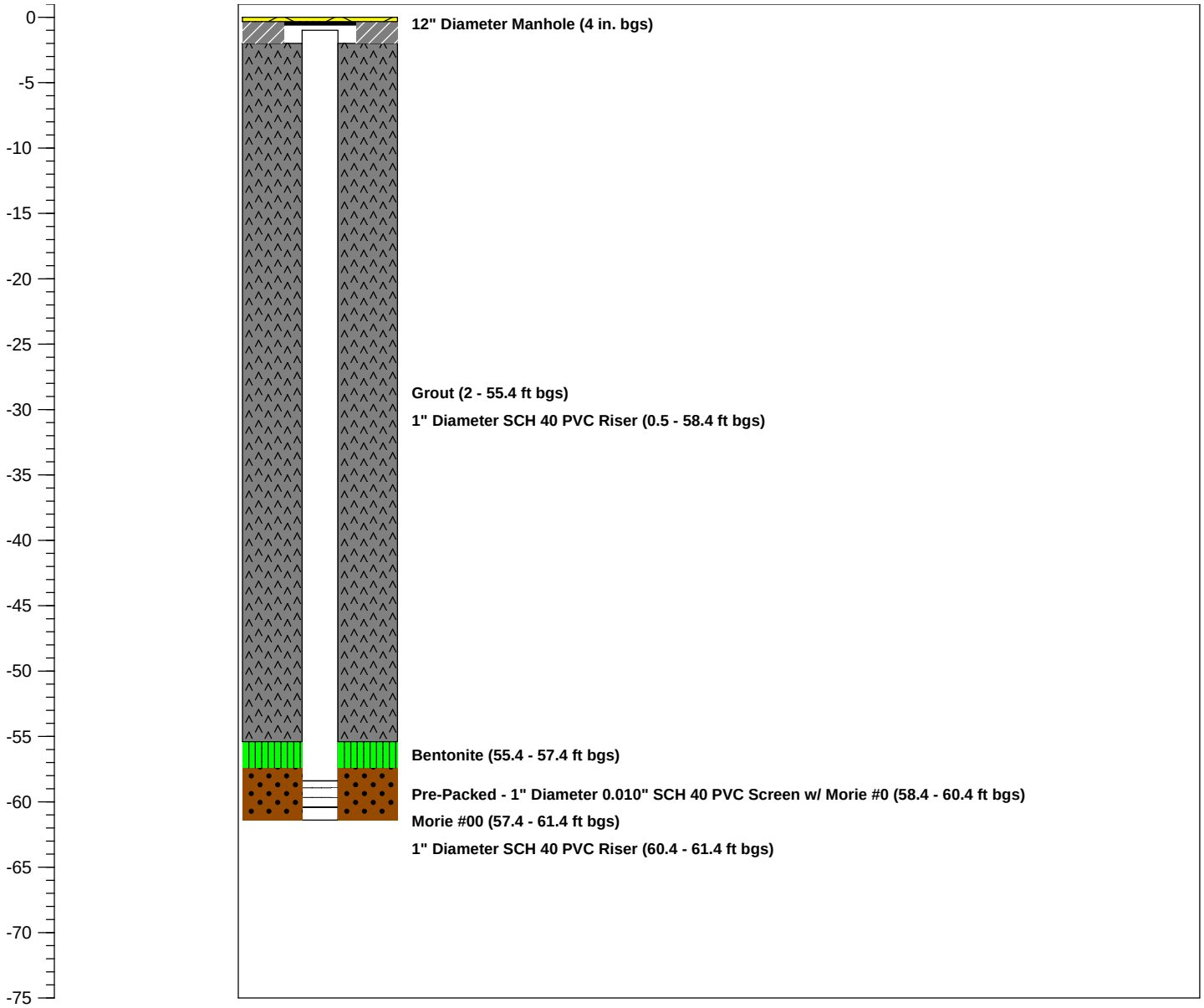
TOTAL DEPTH: **61.4'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-43**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **5/28/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	June 1, 2010
Weather Conditions:	Partly Cloudy ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Jeannie Byrne	F&N	
Megan Dascoli	URS	Air Monitoring

Detailed Summary of Work Performed

Installed two (2) injection points (OW-2-42 & OW-2-41) to 61.6 feet below grade and 61.7 feet below grade, respectively.

Health & Safety

Tailgate Meeting	Observations
Reviewed drum handling & decontamination procedures.	Discussed bees as a biological hazard in the work area, cutting techniques for PVC and grout hose placement.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

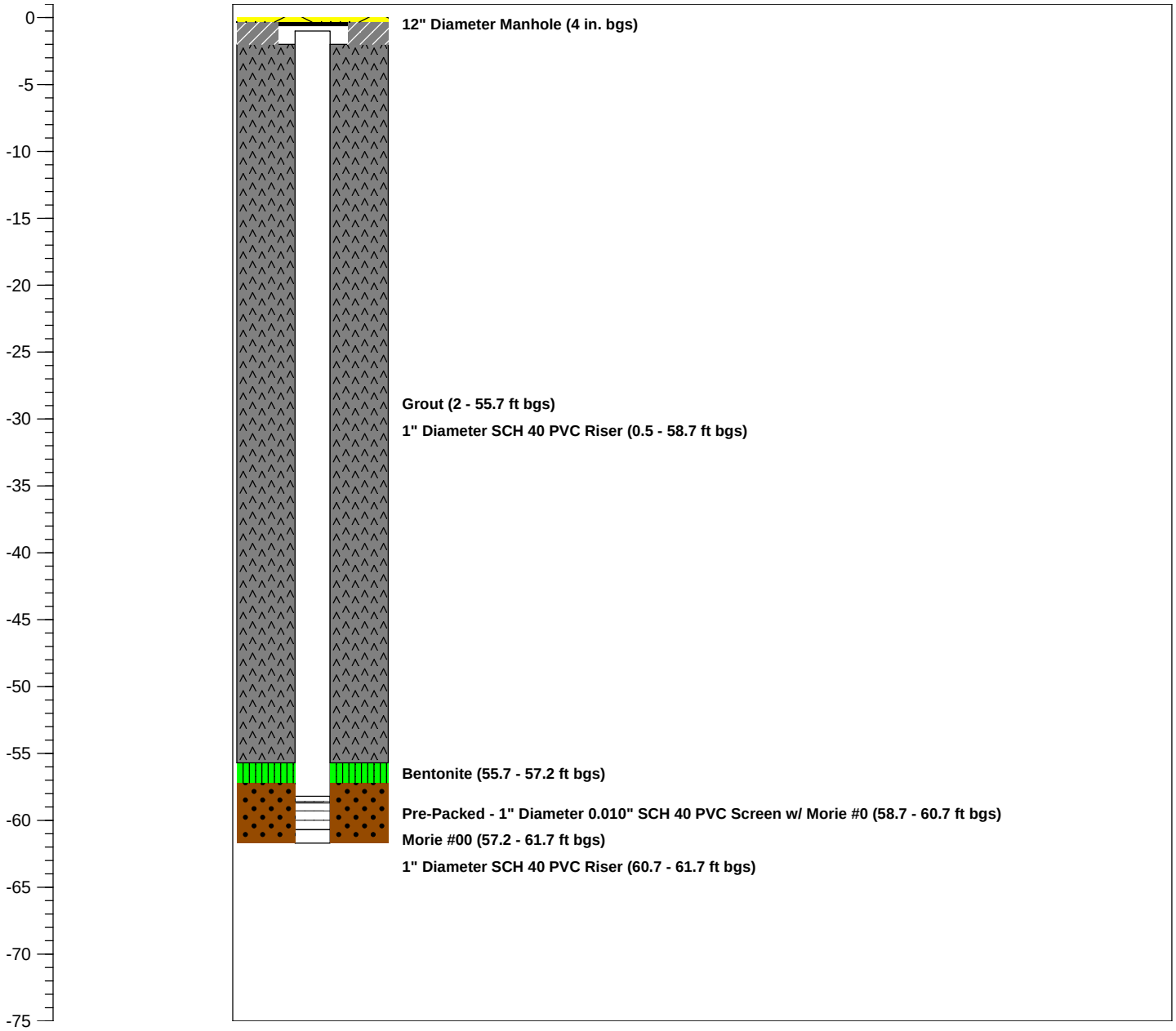
TOTAL DEPTH: **61.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-41**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/1/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

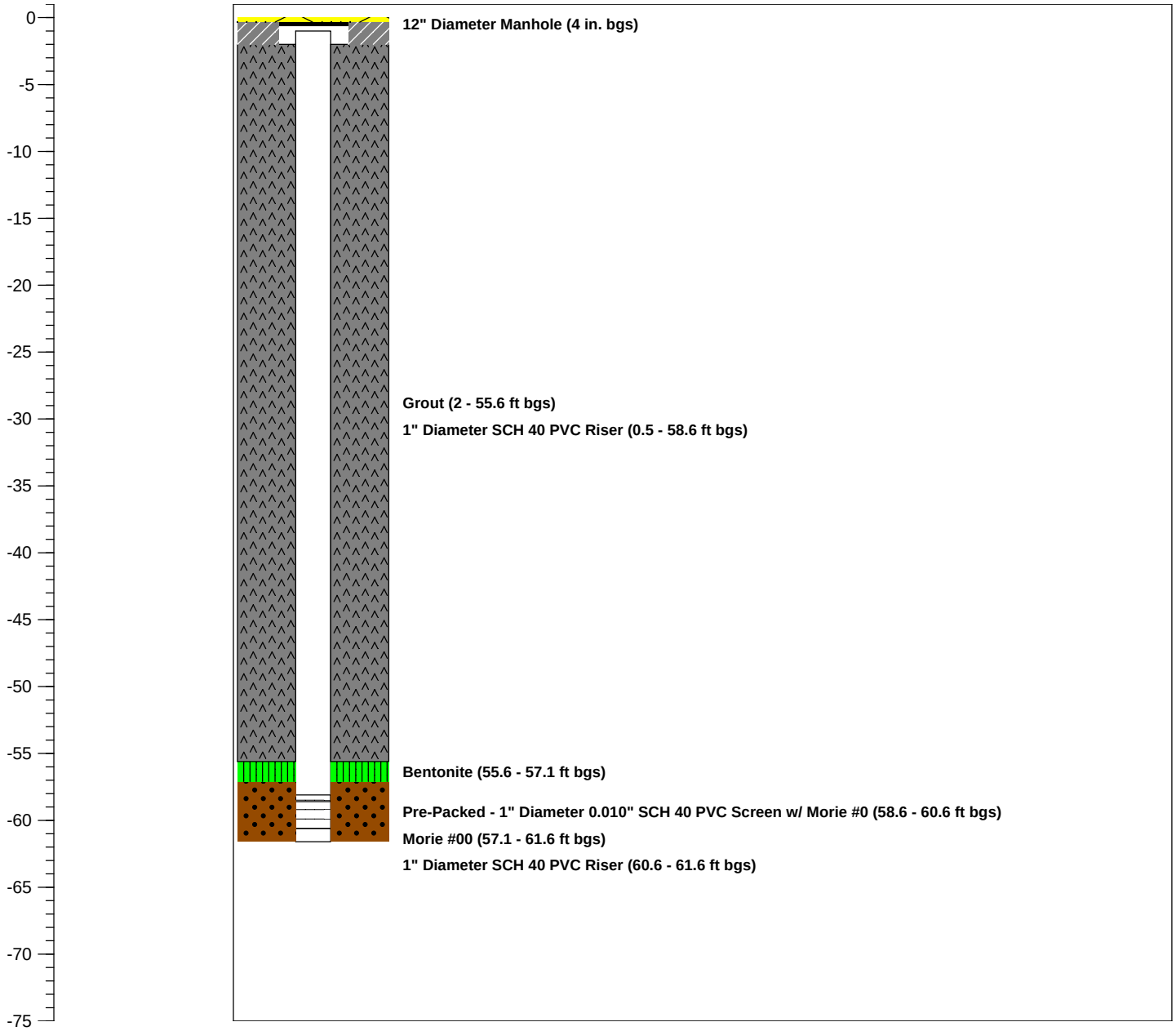
TOTAL DEPTH: **61.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-42**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/1/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 2, 2010
Weather Conditions:	Hazy, Hot & Humid ~85° F
Hours of Operation:	7:00 AM to 4:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Jeannie Byrne	F&N	
Megan Dascoli	URS	Air Monitoring
Mike Ryan	F&N	
Jason Falquecee	F&N	

Detailed Summary of Work Performed

Installed two (2) injection points (OW-2-40 & OW-2-39) to 61.7 feet below grade and 60 feet below grade, respectively. Target depth on OW-2-39 was 61.8 feet below grade but refusal at 60 feet below grade. Conducted property condition assessment on garage's at 158 Hilton Avenue and 160 Hilton Avenue.

Health & Safety

Tailgate Meeting	Observations
Reviewed cutting PVC and grout machine operations. Discussed hot weather safety and designated smoking areas.	Discussed handling of rods to prevent shoulder injuries.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

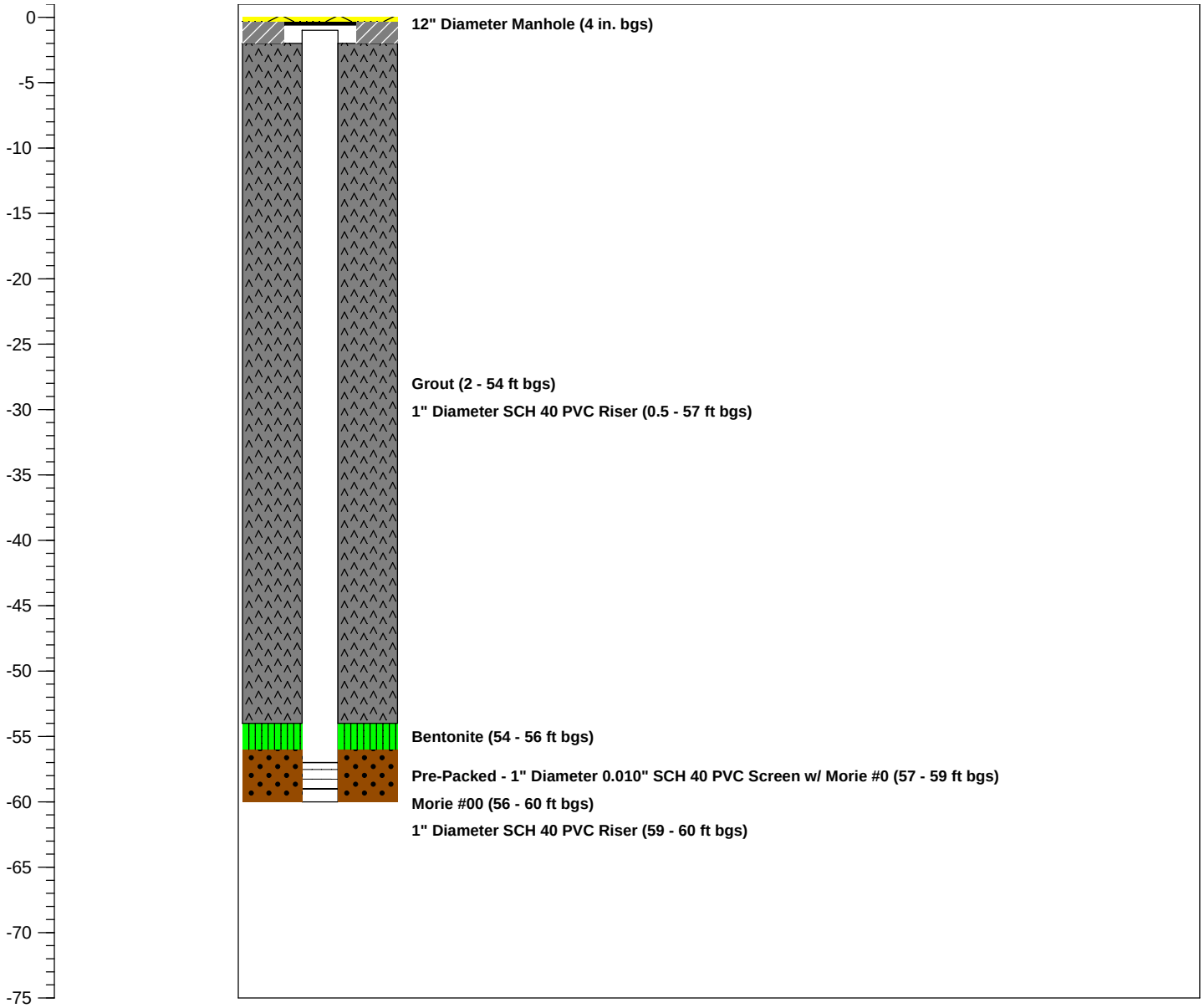
TOTAL DEPTH: **60'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-39**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/2/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

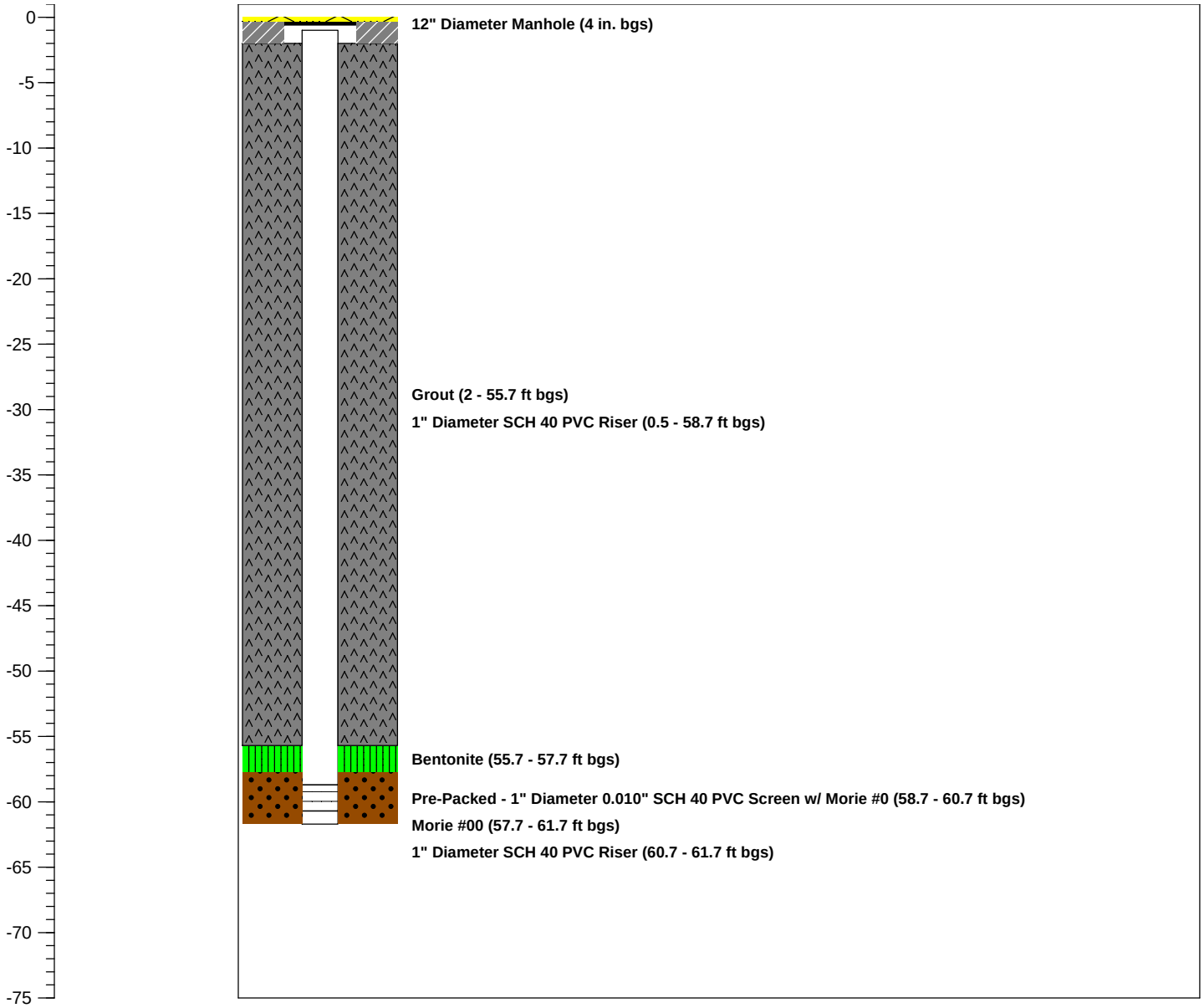
TOTAL DEPTH: **61.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-40**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/2/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	June 3, 2010
Weather Conditions:	Hazy, Hot & Humid ~85° F
Hours of Operation:	7:00 AM to 4:00 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Jeannie Byrne	F&N	
Megan Dascoli	URS	Air Monitoring
Mike Ryan	F&N	Backhoe
Mike Smith	F&N	

Detailed Summary of Work Performed

Installed two (2) injection points (OW-2-38 & OW-2-37) to 62.1 feet below grade and 62.8 feet below grade, respectively. Mobilized backhoe and excavation support equipment to staging yard. Marked off distances on ground with spray paint to pull hose lengths. Utilized backhoe to clear high grass around staging yard and spread stone in front of new office trailer.

Health & Safety

Tailgate Meeting	Observations
Discussed hot weather safety, severe weather procedures and slip, trip and falls.	Discussed 3rd party building construction work occurring in the vicinity of the Mirschel Park work area.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

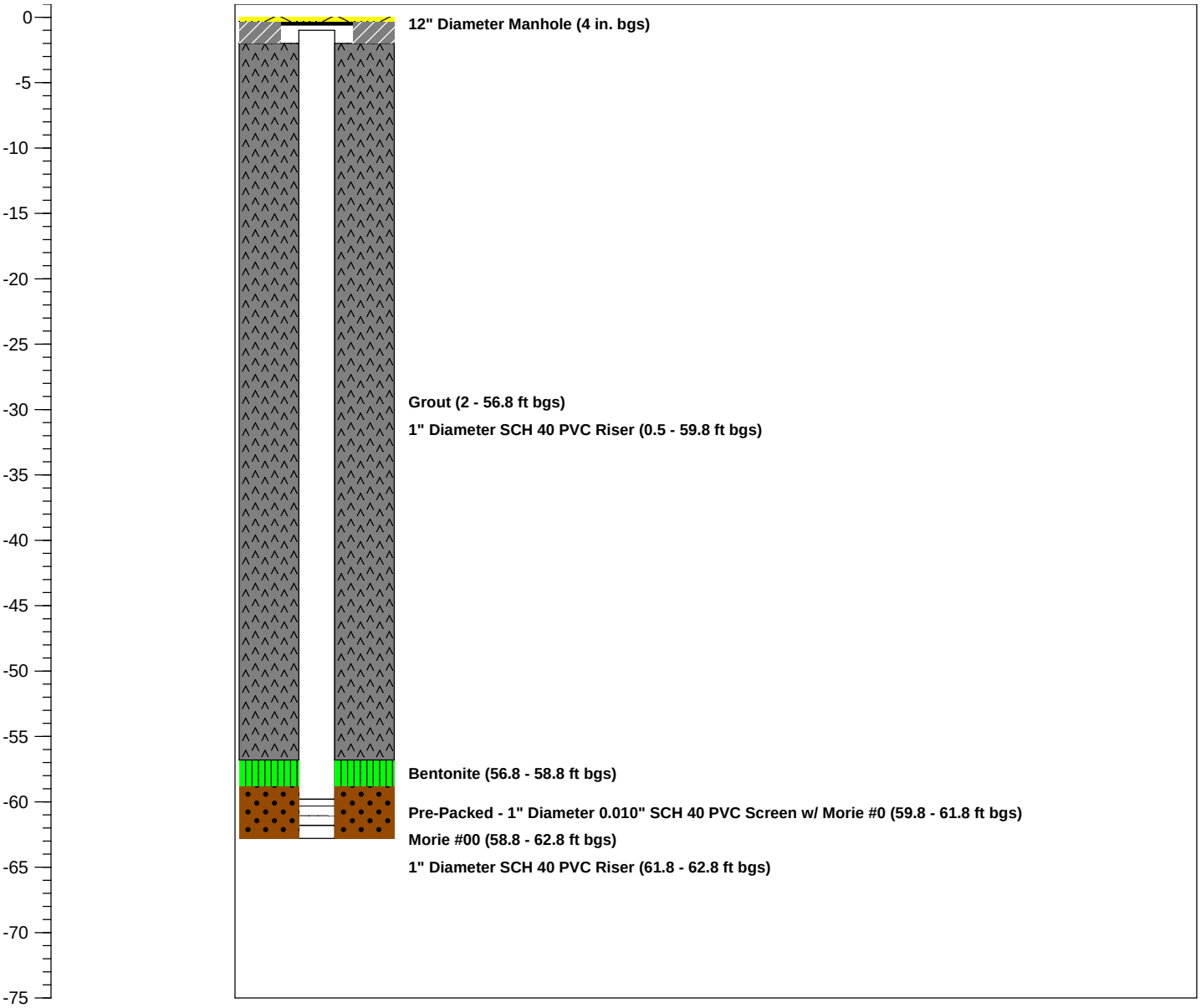
TOTAL DEPTH: **62.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-37**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/3/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

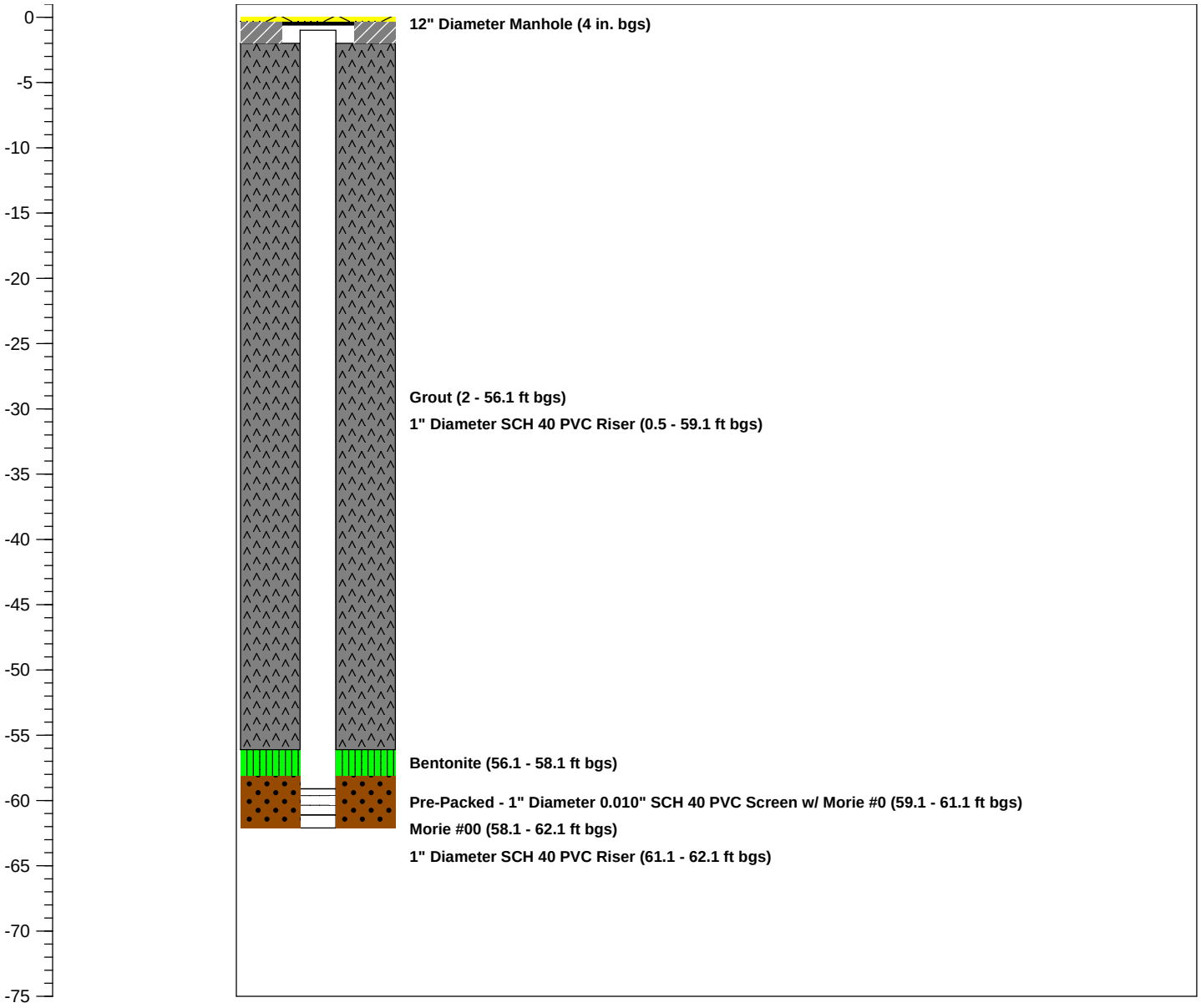
TOTAL DEPTH: **62.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-38**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/3/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 4, 2010
Weather Conditions:	Hazy, Hot & Humid ~85° F
Hours of Operation:	7:00 AM to 3:00 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Jeannie Byrne	F&N	
Megan Dascoli	URS	Air Monitoring
Mike Ryan	F&N	Backhoe

Detailed Summary of Work Performed

Installed one (1) injection point (OW-2-36) to 64.8 feet below grade. Mobilized 550-gallon temporary AST for decontamination water and installed new decontamination pad. Old decontamination pad was discarded.

Health & Safety

Tailgate Meeting	Observations
Discussed body protection, vehicle spotting and non-verbal communication.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

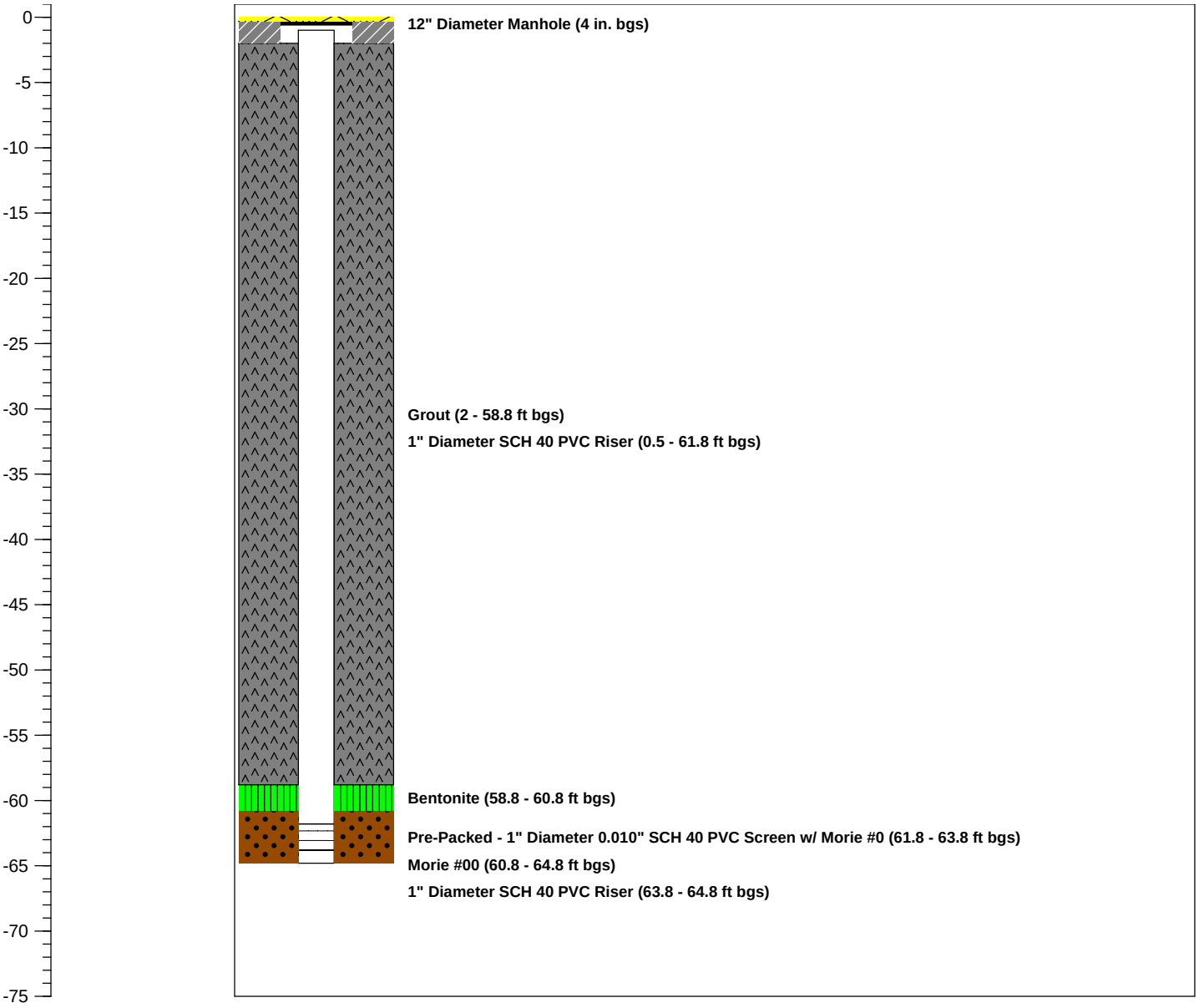
TOTAL DEPTH: **64.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-36**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/4/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	June 7, 2010
Weather Conditions:	Sunny ~75° F
Hours of Operation:	7:00 AM to 3:00 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Jeannie Byrne	F&N	
Megan Dascoli	URS	
Kirk White	URS	
Mike Ryan	F&N	Support Truck
John Marchetti	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
David Angalet	Gallas Surveying	
Justin Tugya	Gallas Surveying	

Detailed Summary of Work Performed

Pre-cleared nine (9) injection point locations (OW-2-35 through OW-2-30S, OW-2-30D, OW-2-29 and OW-2-28D) along the Mirschel Park Hill and at 158 Hilton Avenue to 5 feet below grade. High Point Engineering/Gallas Surveying Group layed out the remainder of the injection points and the monitoring points at 158 Hilton Avenue, along Hilton Avenue and along Kensington Court. Excavated Mirschel Park hill to build a platform to accommodate Geoprobe for injection point installation. Began excavating trench in Mirschel Park starting at OW-2-47 for approximately 60 feet to a depth of 28-inches. Excavated soils were transported back to the Intersection Street staging yard for stockpiling.

Health & Safety

Tailgate Meeting	Observations
Reviewed heavy equipment JSA. Discussed biohazards and non-verbal communication.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 8, 2010
Weather Conditions:	Partly Sunny ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Jeannie Byrne	F&N	
Megan Dascoli	URS	
Kirk White	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
John Marchetti	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	

Detailed Summary of Work Performed

Attempted to install one (1) injection point (OW-2-34) to 76.2 feet below grade, refusal was encountered at 71.3 feet below grade. The location was abandoned and a new location to be attempted on Wednesday. Installed one (1) injection point (OW-2-35) to 69.2 feet below grade. Continued excavating trench in Mirschel Park for an additional 75 feet to a depth of 28-inches. Excavated soils were transported back to the Intersection Street staging yard for stockpiling. Installed approximately 6-inches of fine tank sand in base of trench and compacted with a vibratory plate compactor.

Health & Safety

Tailgate Meeting	Observations
Reviewed heavy equipment and well drilling JSAs.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

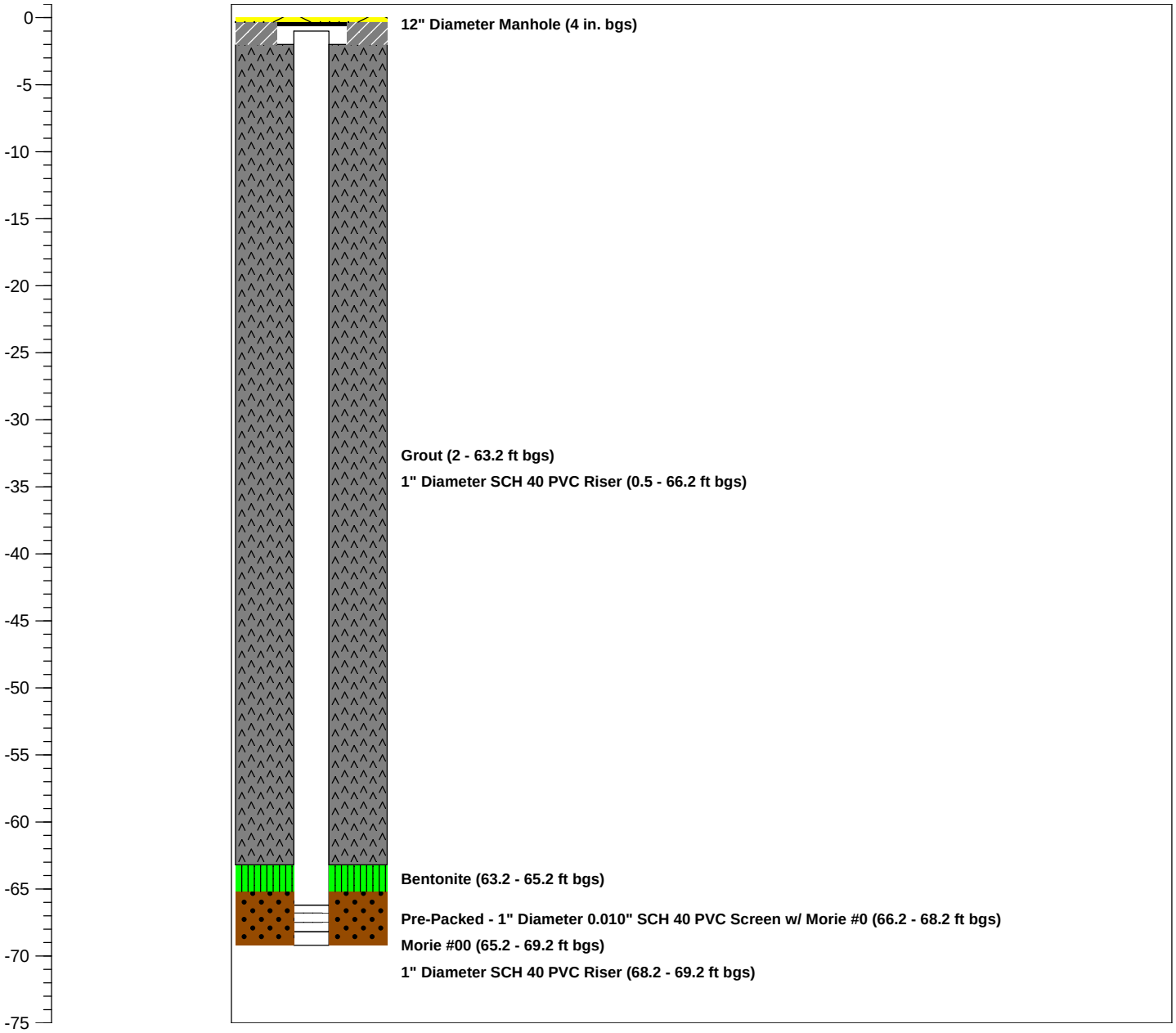
TOTAL DEPTH: **69.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-35**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/8/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	June 9, 2010
Weather Conditions:	Cloudy, Light Rain in AM ~70° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Jeannie Byrne	F&N	
Megan Dascoli	URS	
Kirk White	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
John Marchetti	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	

Detailed Summary of Work Performed

Utilized backhoe to rebuild and widen platform to accommodate Geoprobe for injection point installation in the Mirschel Park hill. Installed one (1) injection point (OW-2-34) to 71 feet below grade. Target depth of OW-2-34 was 76.2 feet below grade, but refusal at 71 feet below grade. Repaired two (2) injection points from overnight damage. Installed 3/4-inch poly oxygen supply lines to injection points OW-2-47 through OW-2-37. Backfilled trench with fine tank sand in 6-inch lifts and compacted with a vibratory plate compactor to approximately 12-inches below grade and installed tracer wire in trench after first 6-inch lift. Secured extra portion of oxygen supply lines in a shallow hole and covered with plywood and sand to protect lines overnight.

Health & Safety

Tailgate Meeting	Observations
Reviewed heavy equipment and well drilling JSAs.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

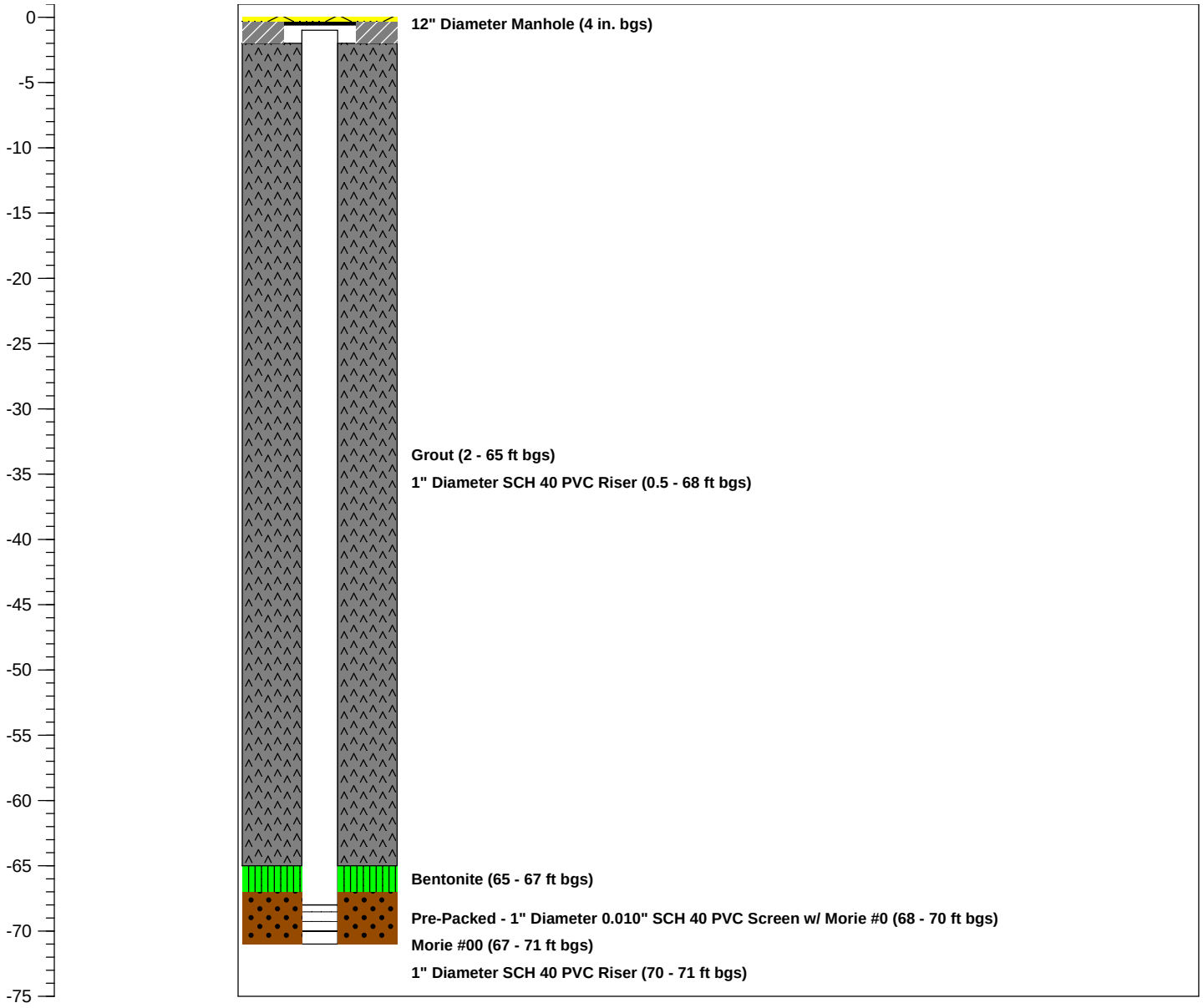
TOTAL DEPTH: **71'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-34**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/9/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	June 10, 2010
Weather Conditions:	Mostly Cloudy ~73° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Jeannie Byrne	F&N	
Megan Dascoli	URS	
Kirk White	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
John Marchetti	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	

Detailed Summary of Work Performed

Installed one (1) injection point (OW-2-30S) to 67.8 feet below grade. Attempted to install one (1) injection point (OW-2-32) to 84 feet below grade, refusal was encountered at 75 feet below grade. The 3.25-inch Geoprobe casings were left in the ground pending the outcome of soil borings to be advanced on Friday and Monday. Continued trenching from the top of the Mirschel Park hill down to the previously excavated trench (approximately 80 feet of trenching) to a depth of 36-inches below grade. Excavated soils were transported back to the Intersection Street staging yard for stockpiling. Installed approximately 6-inches of fine tank sand in base of trench and compacted with a vibratory plate compactor.

Health & Safety

Tailgate Meeting	Observations
Reviewed heavy equipment and well drilling JSAs.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

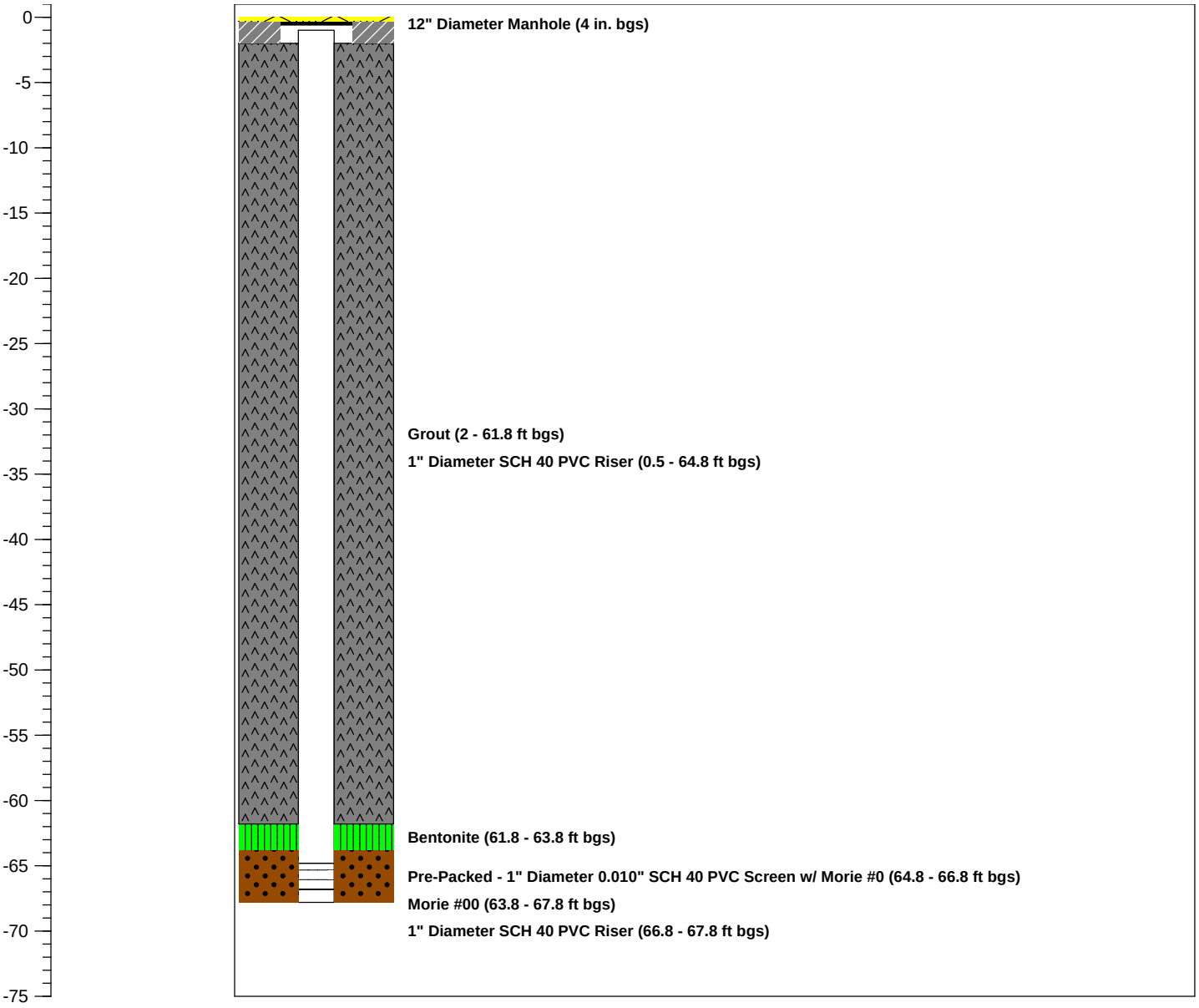
TOTAL DEPTH: **67.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-30S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/10/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

JOB #10-363

SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 679-4373

DATE 6/10/2010

FIELD REPORT

	AM	PM
AIR TEMP.	60°	71°
WEATHER	Pt Sun	Clouds

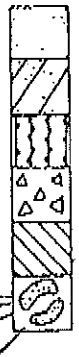
CLIENT Fenley + Nicolas

CONTRACTOR Same

PROJECT Mitchell Park Phase II Hempstead NY
A/B/C Intersection St.)

1) on site to perform Soil Density testing on the backfill of Pipe Connecting wells #47 to #39 Running through Park Grounds. Contractor has previously installed wells and piping connecting wells to Pump Station. Contractor has previously placed approximately 1' of imported fine Sand Fill (SP) Material over Pipe and Compacted lift, Performed (4) Sand Cone Soil Density tests on trench backfilled to -1.5' below existing Grade, Proctor 98.1 PCF. Contractor compacted lift to A Minimum of 95% of it's MAXimum Density. Areas tested were Stable and not Saturated at this time.

INSPECTOR



SUBSOIL INVESTIGATIONS

12.99 150.2
-9.52 54.3
3.47 95.9
x10 144.5
10.41 54.3
90.2

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 579-4373

Date: 6/10/2010

PROJECT: Mitchell Park
Phase II

TEST # 1

Depth of test from final grade: -1.5'

X63

FIELD DENSITY TEST

1. Wt. of Sand & Cone (a) = 15.78
2. Wt. of Sand & Cone (b) = -8.20
   Wt. of Sand = 7.58
   Sand in Cone = -3.59
   NET SAND = 3.99 (c)

3. Volume of Soil = .0411
   Net Sand (c) / Sand Volume = 3.99 / 97 =

4. Wt. of Soil & Can = 4.52
   Wt. of Can = -.34
   Wt. of Soil = 4.18 (d)

5. Moist. Density = 101.70
   Wt. of Soil (d) / Vol. of Soil (3) = 4.18 / .0411 =

6. WET
   Cup & Soil = 137.8
   Cup = 54.3
   Soil Wet = 83.5 (e)

   DRY
   Cup & Soil = 133.0
   Cup = 54.3
   Soil Dry = 78.7 (f)

   Soil Wet 83.6
   Soil Dry 78.7
   Moisture = 4.8

7. Moisture =
   Wet (e) - Dry (f) X100 / Dry (f) = 4.80 / 78.7 = 6.099 (7) %

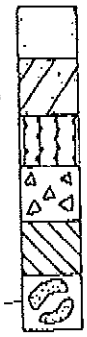
8. Dry Density =
   Moist. Density (5) / 1.+ % Moist. (7) / 100 = 101.7 / 1.06099 = ~~6.099~~ 95.85

9. % Compaction = Dry Density / Max. Density = 95.85 / 98.1 pcf = 97.71 %

10. Req. Density: ~~97~~ 95 %

11. Pass ✓ Fail _____

LOCATION: East of Well #45.



SUBSOIL INVESTIGATIONS

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 679-4373

Date: 6/10/2010

PROJECT: Mirschel Park
Phase II

TEST # 2

Depth of test from final grade: -1.5'

FIELD DENSITY TEST

1. Wt. of Sand & Cone (a) = 15.68
2. Wt. of Sand & Cone (b) = 8.14
   Wt. of Sand = 7.54
   Sand in Cone = 3.59
   NET SAND = 3.95 (c)
3. Volume of Soil = .0407
   Net Sand (c) / Sand Volume = 3.95 / 97 =
4. Wt. of Soil & Can = 4.35
   Wt. of Can = .34
   Wt. of Soil = 4.01 (d)
5. Moist. Density = 98.52
   Wt. of Soil (d) / Vol. of Soil (3) = 4.01 / .0407 =
6. WET
   Cup & Soil = 133.0
   Cup = 54.3
   Soil Wet = 78.7 (e)
   DRY
   Cup & Soil = 128.4
   Cup = 54.3
   Soil Dry = 74.1 (f)
   Soil Wet 78.7
   Soil Dry 74.1
   Moisture= 4.6
7. Moisture=
   (Wet (e) - Dry (f)) X100 / Dry (f) = 4.60 / 74.1 = 6.208 (7) %
8. Dry Density =
   Moist. Density (5) / (1.+ % Moist. (7) / 100) = 98.52 / 1.062 = 92.77
9. % Compaction = Dry Density / Max. Density = 92.77 / 98.1 = 94.56 %
10. Req. Density: 85+ %
11. Pass ✓ Fail

LOCATION: 5' East of Well # 42

SUBSOIL INVESTIGATIONS

SOIL MECHANICS DRILLING CORP.

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Date: 6/10/2010

PROJECT: Mirscher Park
Phase II

TEST # 3

Depth of test from final grade: -1.5'

FIELD DENSITY TEST

1. Wt. of Sand & Cone (a) = 15.70
2. Wt. of Sand & Cone (b) = -8.08
   Wt. of Sand = 7.62
   Sand in Cone = -3.59
   NET SAND = 4.03 (c)

3. Volume of Soil = .0415

   Net Sand (c) / Sand Volume = 4.03 / 97 =

4. Wt. of Soil & Can = 4.41
   Wt. of Can = -.34
   Wt. of Soil = 4.07 (d)

5. Moist. Density = 98.07

   Wt. of Soil (d) / Vol. of Soil (3) = 4.07 / .0415 =

6. WET
   Cup & Soil = 117.0
   Cup = 54.3
   Soil Wet = 62.7 (e)

   DRY
   Cup & Soil = 113.8
   Cup = 54.3
   Soil Dry = 59.5 (f)

   Soil Wet 62.7
   Soil Dry 59.5
   Moisture = 3.2

7. Moisture =

$$\frac{\text{Wet (e) - Dry (f) X100}}{\text{Dry (f)}} = \frac{320}{59.5} = 5.2 \quad (7)\ \%$$

8. Dry Density =

$$\frac{\text{Moist. Density (5)}}{1.+ \frac{\%\ \text{Moist. (7)}}{100}} = \frac{98.07}{1.052} = 93.22$$

9. % Compaction = Dry Density / Max. Density = 93.22 / 98.1 = 95.03 %

10. Req. Density: 85+ %

11. Pass ✓ Fail ____

LOCATION: 5' West of Well #47

SUBSOIL INVESTIGATIONS

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 679-4373

Date: 6/10/2010

PROJECT: Mitchell Park
Phase II

TEST # 4

Depth of test from final grade: -1.5'

FIELD DENSITY TEST

1. Wt. of Sand & Cone (a) = 15.83
2. Wt. of Sand & Cone (b) = 8.18
   Wt. of Sand = 7.65
   Sand in Cone = 3.59
   NET SAND = 4.06 (c)

3. Volume of Soil = .0418
   Net Sand (c) / Sand Volume = 4.06 / 97 =

4. Wt. of Soil & Can = 4.56
   Wt. of Can = .34
   Wt. of Soil = 4.22 (d)

5. Moist. Density = 100.9
   Wt. of Soil (d) / Vol. of Soil (3) = 4.22 / .0418 =

6. WET
   Cup & Soil = 153.5
   Cup = 54.3
   Soil Wet = 99.2 (e)

   DRY
   Cup & Soil = 148.3
   Cup = 54.3
   Soil Dry = 94.0 (f)

   Soil Wet 99.2
   Soil Dry 94.0
   Moisture = 5.2

7. Moisture =
   $$\frac{\text{Wet (e) - Dry (f) X100}}{\text{Dry (f)}} = \frac{520}{94.0} = 5.53 \text{ (7) \%}$$

8. Dry Density =
   $$\frac{\text{Moist. Density (5)}}{1 + \frac{\text{\% Moist. (7)}}{100}} = \frac{100.9}{1.0553} = 95.61$$

9. % Compaction = Dry Density / Max. Density = 95.61 / 98.1 = 97.46 %

10. Req. Density: 85+ %

11. Pass ✓ Fail ____

LOCATION: 8' EAST of Well # 40

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 11, 2010
Weather Conditions:	Partly Sunny ~75° F
Hours of Operation:	7:00 AM to 4:00 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Megan Dascoli	URS	
Kirk White	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
John Marchetti	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	

Detailed Summary of Work Performed

Pre-cleared soil boring location HISB-115A to 5.5 feet bgs along Hilton Avenue in the vicinity of HISB-115 and collected one (1) soil sample from 65 to 70 feet bgs with macrocore sampling system. Installed 3/4-inch poly oxygen supply lines to injection points OW-2-36 through OW-2-34. Backfilled trench with fine tank sand in 6-inch lifts and compacted with vibratory plate compactor to approximately 12-inches below grade. Installed tracer wire at approximately 18-inches below grade and detectable tape at approximately 12-inches below grade. Repaired an approximately 4-foot long section of drainage pipe along base of the Mirschel Park hill. Soil Mechanics conducted compaction testing along backfilled portions of trench.

Health & Safety

Tailgate Meeting	Observations
Reviewed trench backfilling safety, transporting of sand and proper work area barricading.	Blowing plastic on stockpiles will be secured with sand bags.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

JOB # 10-363 1/2

SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 679-4373

DATE 6-11-10

FIELD REPORT

	AM	PM
AIR TEMP.		75
WEATHER		Clear

CLIENT
CONTRACTOR Fenley + Nicol
PROJECT NYSDEC MGP Site Remediation Program
Hempstead Former Manufactured Gas Plant Site
AREA WORKED Well #34 - #46, Trench Backfill
CONCRETE ☐
ASPHALT ☐ Backfill
OTHER ☒ Compaction
TOTAL MATERIAL PLACED PLANT INSPECTION YES ☐ NO ☐

CONCRETE

NO. OF CYLINDERS CAST SLUMPS CONCRETE TEMP.
AIR CONTENT ADMIXTURES

REINFORCING STEEL INSPECTION

LOCATION INSPECTED & APPROVED TYPE RE-BAR USED GRADE
A) SAME AS ABOVE LOCATION ☐
B) ADDITIONAL OR DIFFERENT LOCATION ☐

REJECTIONS ☐ EXPLANATION

SOILS

REMARKS Contractor Backfilled trench of monitor wells at the above location

Sand used for Controlled fill.

All tests resulted in 85% or more of modified Proctor

Compaction Results Attached

INSPECTED BY JP Muthell

Inspector: JP Mulhall Project: NYSDEC Hempstead Gas Plant

Today's Date: 6-11-10

Test Number	Wet Density	% Moisture	Dry Density	Maximum Density	% Compaction Achieved	% Compaction Required	Elevation & Location of Test
1	96.77	4.72	91.45	98.1	93.22	85	First lift, well # 38
2	94.73	5.25	90.01		91.75		" , well # 36
3	89.77	4.43	85.97		87.63		" , well # 35
4	97.48	3.32	94.30		96.13		Second lift, well # 40
5	99.34	3.43	96.04		97.91		" , well # 43
6	99.89	5.28	94.88		96.72		" , well # 46
7	94.68	4.19	90.87		92.63		" , well # 39
8	96.64	5.01	92.03		93.81		" , well # 37
9	94.62	4.93	90.08		91.83		" , well # 34

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	June 14, 2010
Weather Conditions:	Mostly Cloudy ~70° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kirk White	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
John Marchetti	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
Brian Rath	F&N	

Detailed Summary of Work Performed

Excavated around injection points to prepare for manhole installation. Cut down injection points to proper height to set manholes approximately 4-inches below grade. Raked out and cleaned grass areas throughout Mirschel Park.

Health & Safety

Tailgate Meeting	Observations
Discussed proper body positioning and pinch points while preparing for manholes.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 15, 2010
Weather Conditions:	Partly Cloudy ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Cary Friedman	URS	
Kirk White	URS	
Charlie Guzzardo	F&N	Support Truck, Vibratory Plate Compactor, Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Brian Rath	F&N	

Detailed Summary of Work Performed

Collected soil samples from 70 to 82 feet bgs with macrocore sampling system at HISB-115A along Hilton Avenue in the vicinity of HISB-115. Installed fittings and ball valves on top of injection points. Started to excavate soil from the area in the back of 158 Hilton Avenue for the System #2 remedial system enclosure. Excavated soils were transported back to the Intersection Street staging yard for stockpiling.

Health & Safety

Tailgate Meeting	Observations
Reviewed cutting tool use, biological hazards and pedestrian traffic along Hilton Avenue.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	June 16, 2010
Weather Conditions:	Partly Cloudy ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Cary Friedman	URS	
Kirk White	URS	
Charlie Guzzardo	F&N	Support Truck, Vibratory Plate Compactor, Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Brian Rath	F&N	

Detailed Summary of Work Performed

Conducted soil sampling from 82 to 95 feet bgs with macrocore sampling system at HISB-115A along Hilton Avenue in the vicinity of HISB-115. Completed excavation of soil from the area in the back of 158 Hilton Avenue for the System #2 remedial system enclosure. Excavated soils were transported back to the Intersection Street staging yard for stockpiling. Backfilled trench in Mirschel Park to grade with excavated fill materials and compacted with a vibratory plate compactor.

Health & Safety

Tailgate Meeting	Observations
Discussed measures to keep dust down during backfilling, the threat of lightning, pedestrian traffic control and the swing radius of the backhoe.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 17, 2010
Weather Conditions:	Partly Cloudy ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Cary Friedman	URS	

Detailed Summary of Work Performed

Pre-cleared and installed one (1) injection point (OW-2-28S) to 76 feet below grade. Tremie grouted soil boring location HISB-115A along Hilton Avenue in the vicinity of HISB-115.

Health & Safety

Tailgate Meeting	Observations
Reviewed well installation JSA. Discussed pedestrian traffic control, height clearance and to stay hydrated in the heat.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

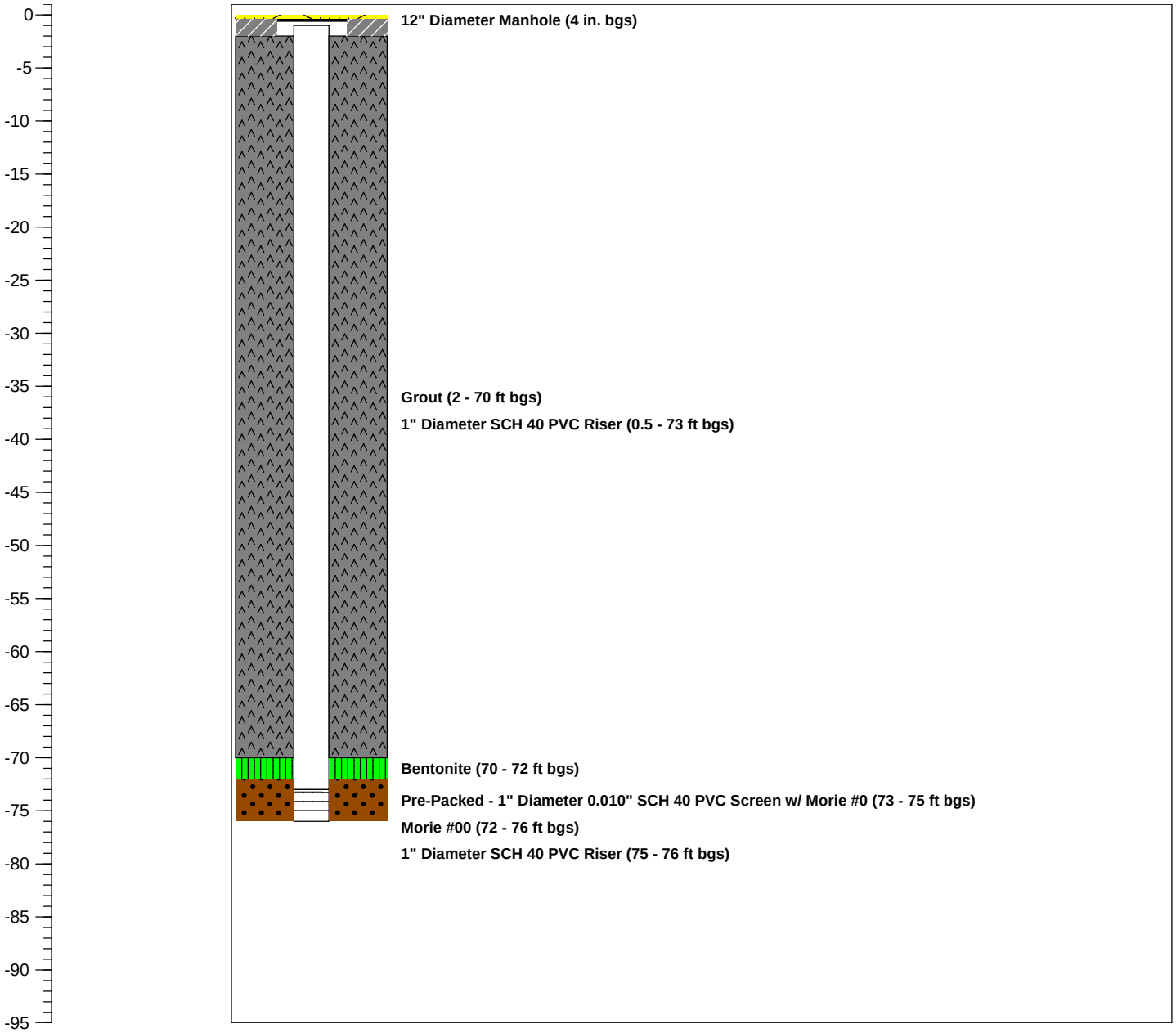
TOTAL DEPTH: **76'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-28S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/17/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 18, 2010
Weather Conditions:	Sunny ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Cary Friedman	URS	

Detailed Summary of Work Performed

Pre-cleared three (3) monitoring points (MP-2-3D, MP-2-4 and MP-2-5) and seven (7) injection points (OW-2-27, OW-2-26D, OW-2-26S, OW-2-25, OW-2-24D, OW-2-24S and OW-2-23) in Mirschel Park and along 158 Hilton Avenue to 5 feet below grade. Restored shoulder area with top soil, grass seed and fertilizer along Hilton Avenue at soil boring HISB-115A.

Health & Safety

Tailgate Meeting	Observations
Reviewed pre-clearing JSA. Discussed windy conditions and proper body position while pre-clearing.	Very hot day, reminded crews to maintain hydration and to take breaks as necessary. During fertilizer application reminded crews to stay upwind and wear appropriate PPE.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 21, 2010
Weather Conditions:	Sunny ~85° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Tom Brando	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenberg	Glacier Drilling	
Megan Dascoli	URS	

Detailed Summary of Work Performed

Mobilized Geoprobe Model 8040 and support equipment to site to install deeper locations. Installed two (2) injection points (OW-2-24S & OW-2-26S) to refusal at 77.8 feet below grade and 74.0 feet below grade, respectively. Installed two (2) monitoring points (MP-2-4 & MP-2-5) to 70.2 feet below grade and 61.7 feet below grade, respectively.

Health & Safety

Tailgate Meeting	Observations
Conducted an initial safety orientation for new workers on-site and reviewed appropriate PPE.	Difficult drilling conditions are causing the Geoprobe to bounce during probe rod removal - recommended that care be taken to be out of the way of the Geoprobe during probe rod removal.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

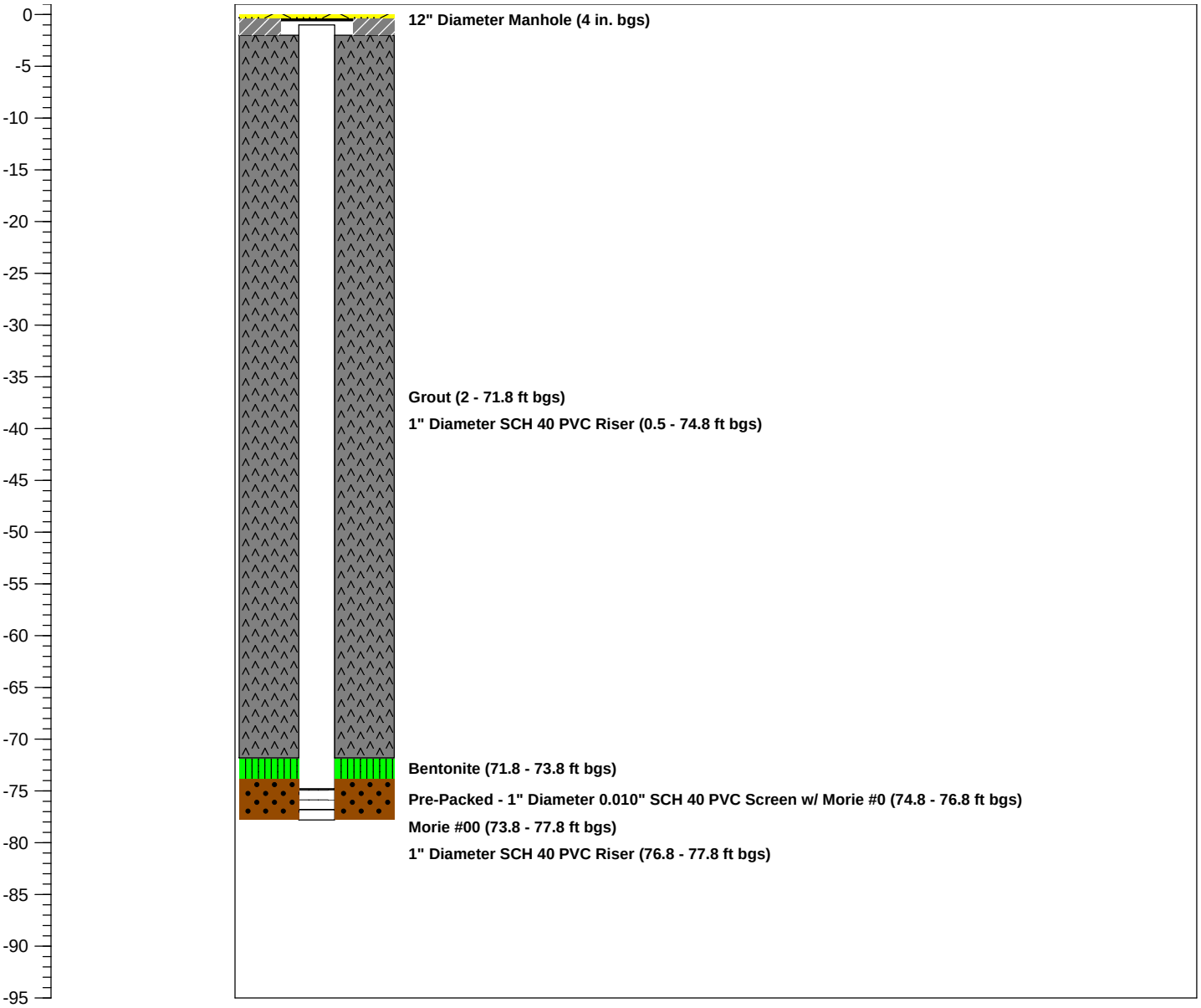
TOTAL DEPTH: **77.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-24S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/21/10**
Driller: **Matt Briody**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

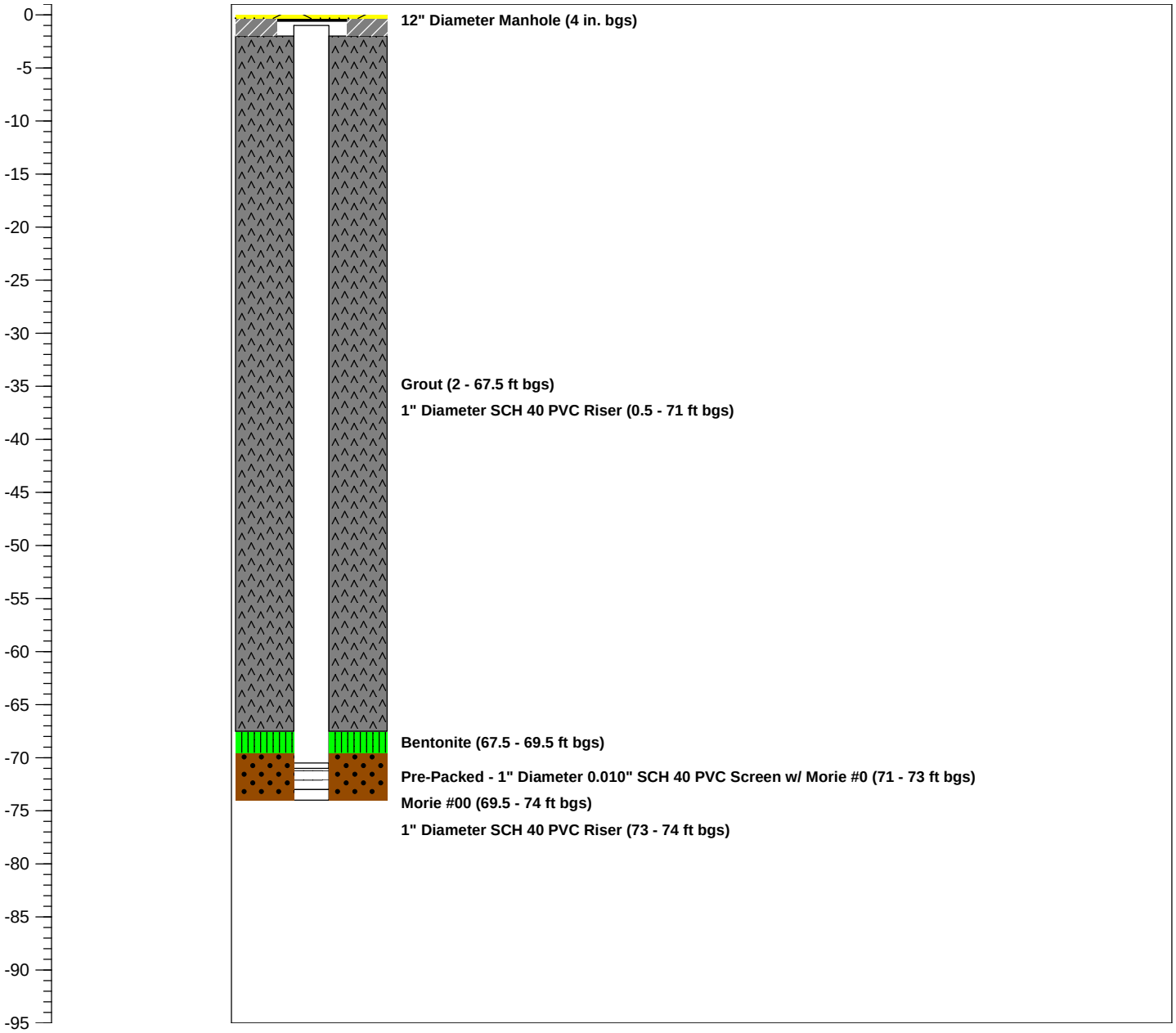
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**74'**	WELL NO.:	**OW-2-26S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**6/21/10**	Sampling Method:	-
Driller:	**Matt Briody**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

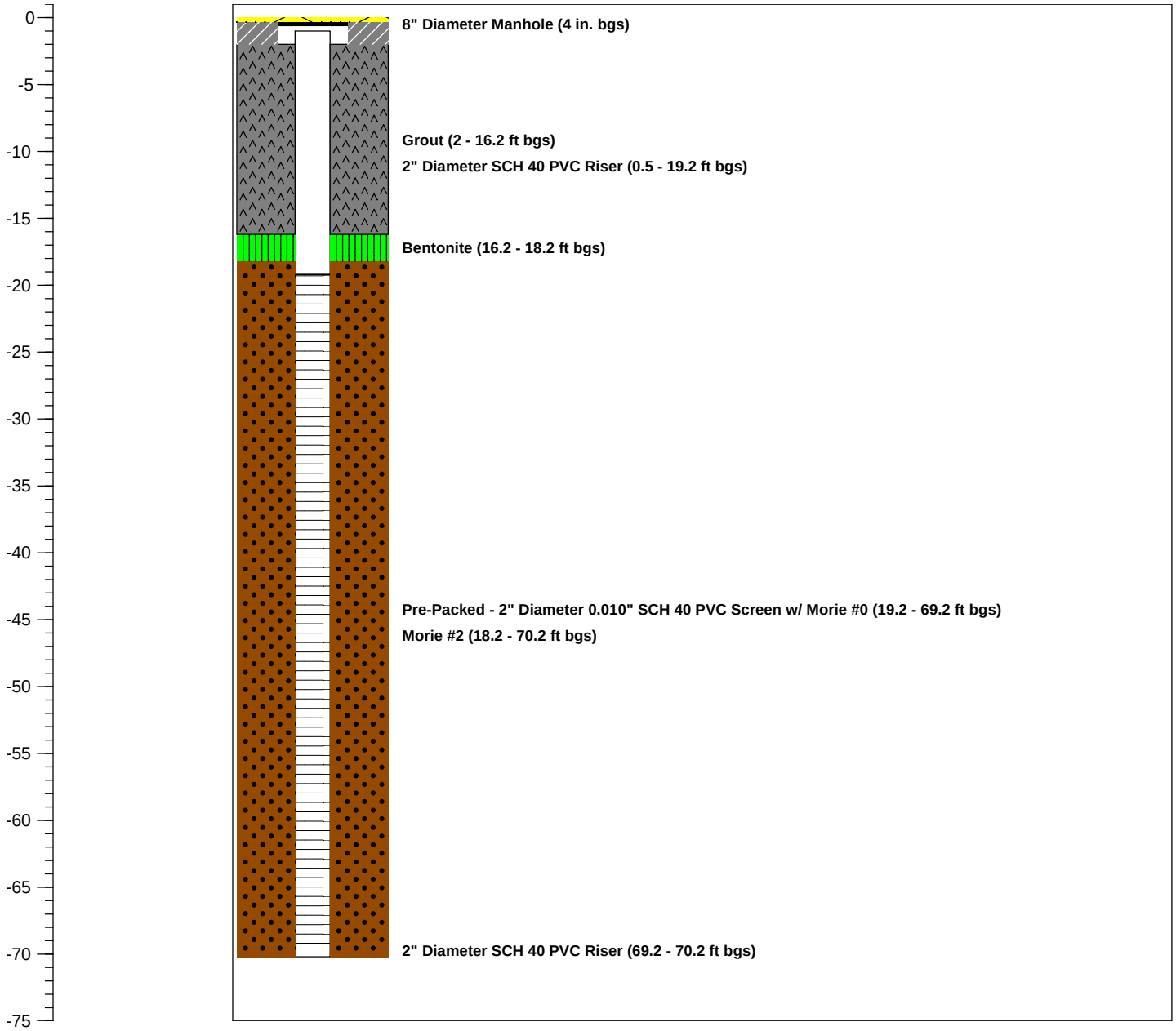
TOTAL DEPTH: **70.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **4.5"**

WELL NO.: **MP-2-4**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **6/21/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

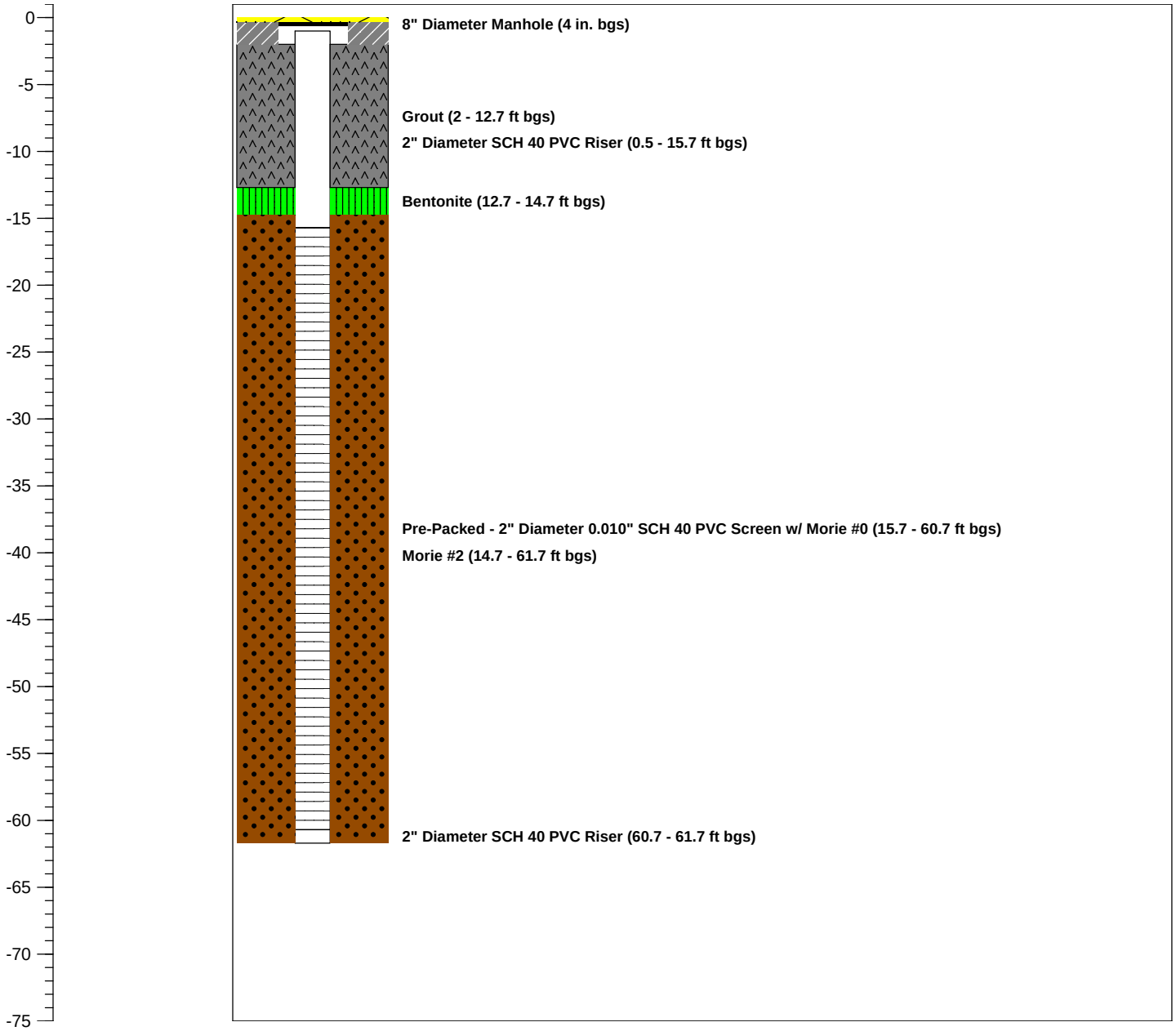
TOTAL DEPTH: **61.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **4.5"**

WELL NO.: **MP-2-5**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **6/21/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 22, 2010
Weather Conditions:	Partly Cloudy ~80° F
Hours of Operation:	7:00 AM to 4:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Tom Brando	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenberg	Glacier Drilling	
Megan Dascoli	URS	
Kirk White	URS	
Mike Ryan	F&N	Support Truck
Charlie Guzzardo	F&N	
Mike Mede	F&N	Support Truck & Cement Mixer

Detailed Summary of Work Performed

Pre-cleared one (1) injection point (OW-2-22S) to 5 feet bgs. Installed three (3) injection points (OW-2-22S, OW-2-32 & OW-2-33) to 76 feet below grade, 84 feet below grade and 82.1 feet below grade, respectively. Mobilized an additional 550-gallon temporary AST for decontamination and development water. Installed and set two 8-inch diameter manholes at MP-2-4 and MP-2-5 and fourteen 12-inch diameter manholes at OW-2-47 through OW-2-34 approximately 4-inches below grade. Raked and graded trench over manholes at end of day.

Health & Safety

Tailgate Meeting	Observations
Discussed manholes installation hazards, working on the Mirschel Park Hill, handling of barbed wire fence and traffic coordination.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

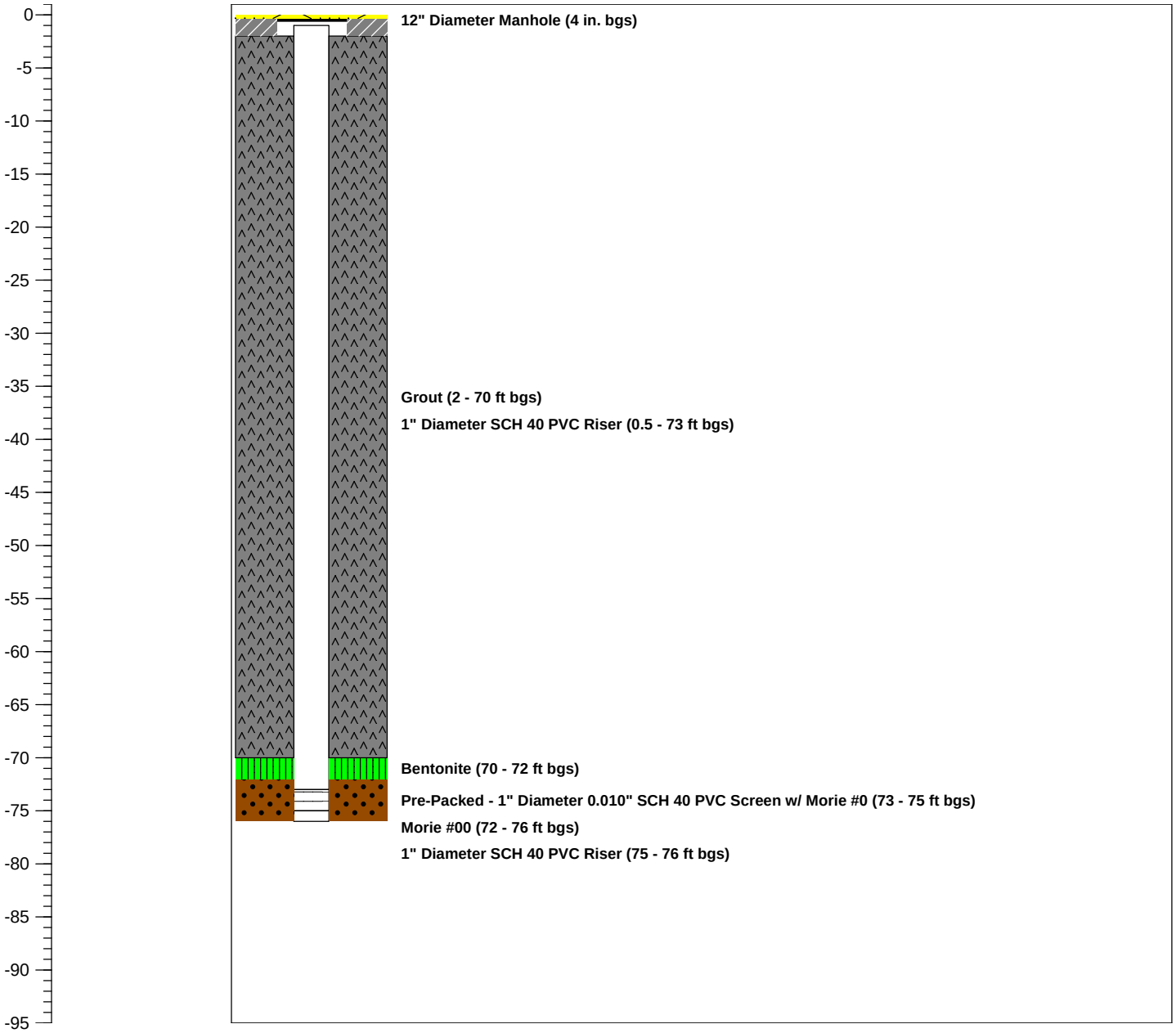
TOTAL DEPTH: **76'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-22S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **6/22/10**
Driller: **Matt Briody**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

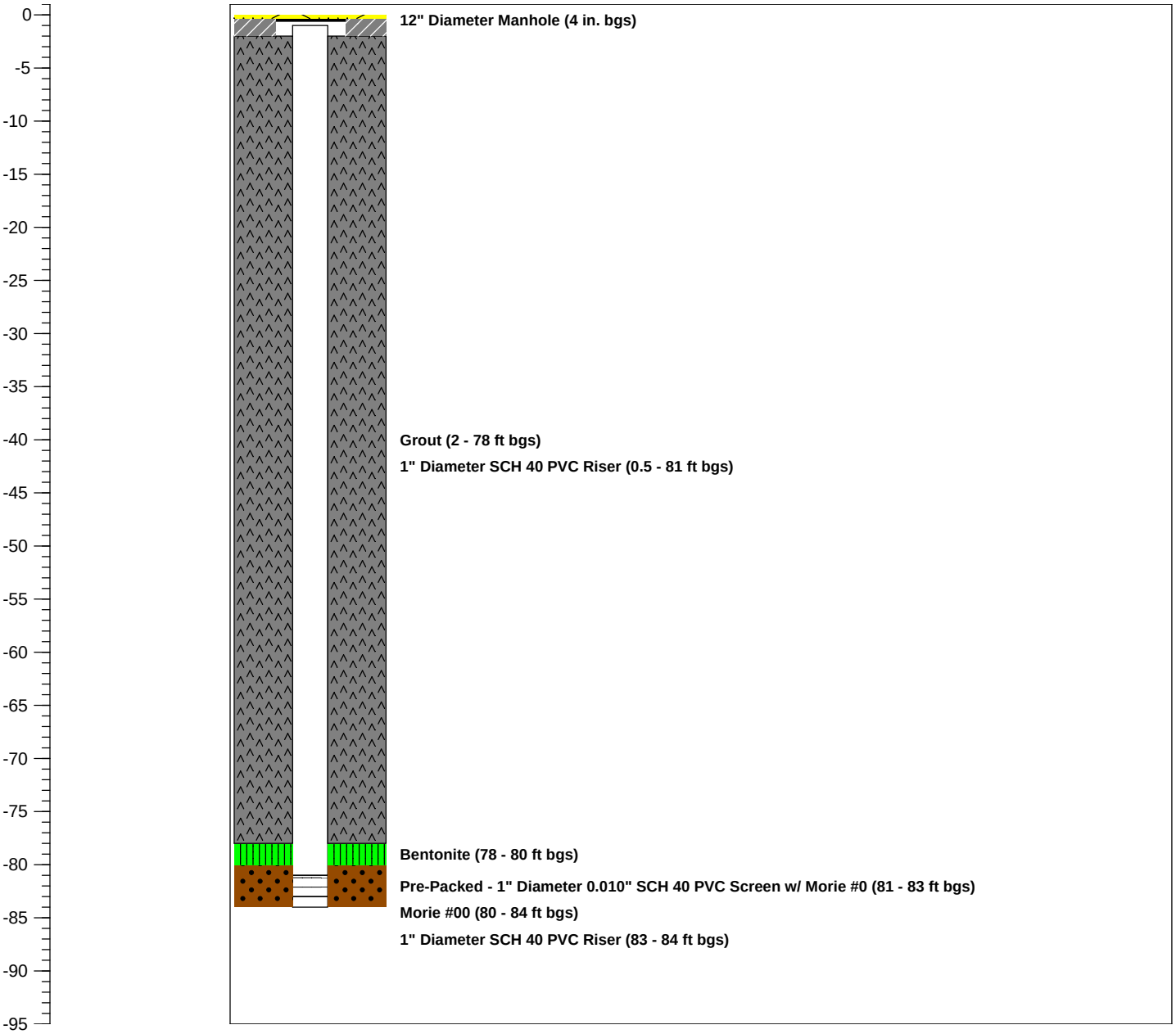
TOTAL DEPTH: **84'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-32**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **6/22/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

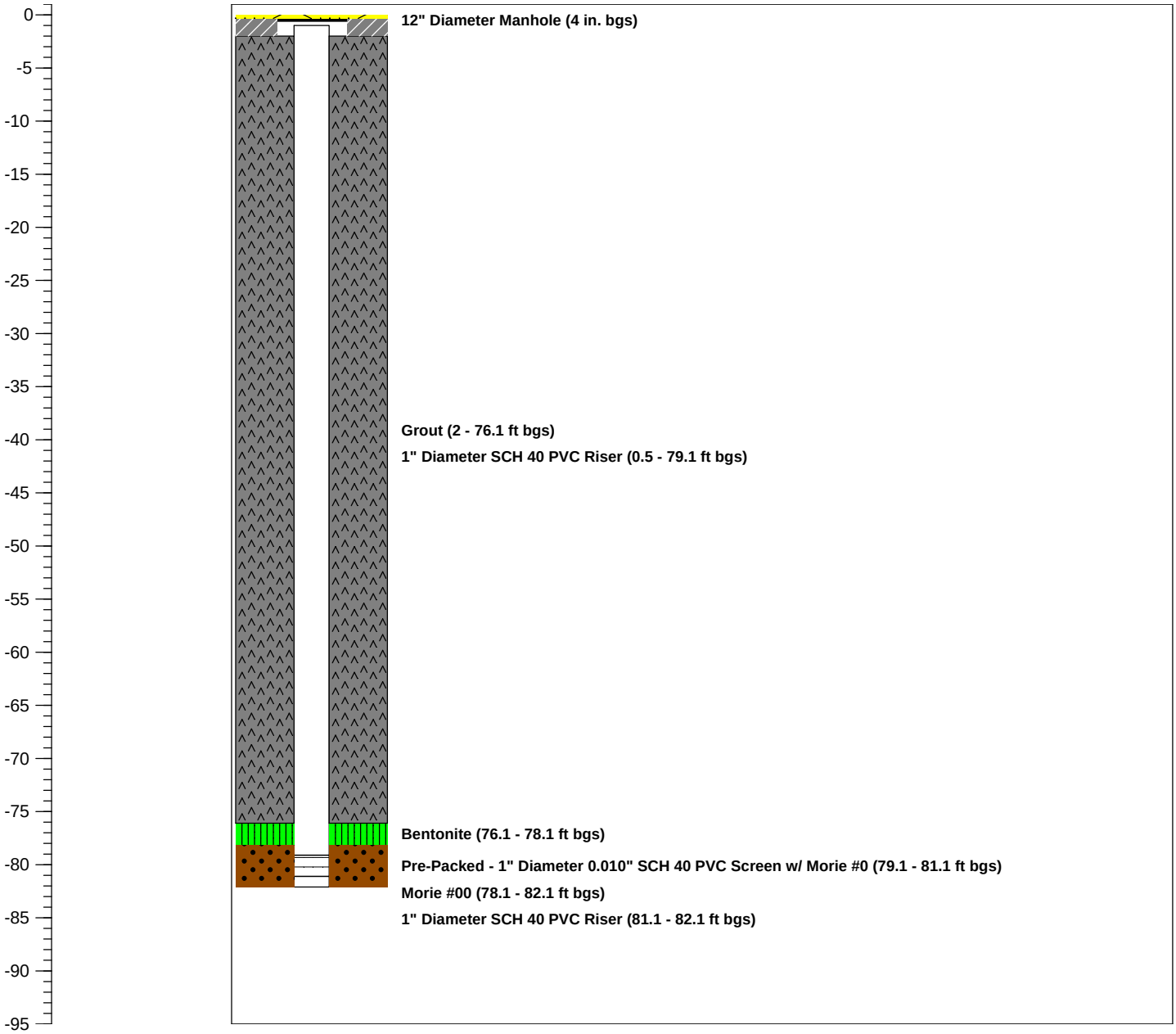
TOTAL DEPTH: **82.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-33**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/22/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 23, 2010
Weather Conditions:	Sunny ~94° F
Hours of Operation:	7:00 AM to 6:45 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Tom Brando	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenberg	Glacier Drilling	
Megan Dascoli	URS	

Detailed Summary of Work Performed

Installed five (5) injection points (OW-2-27, OW-2-28D, OW-2-29, OW-2-30D and OW-2-31) to 93.5 feet below grade, 92.1 feet below grade, 92.2 feet below grade, 88 feet below grade and 86 feet below grade, respectively.

Health & Safety

Tailgate Meeting	Observations
Discussed uneven terrain in backyard of 158 Hilton Avenue, weather conditions and proper PPE.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

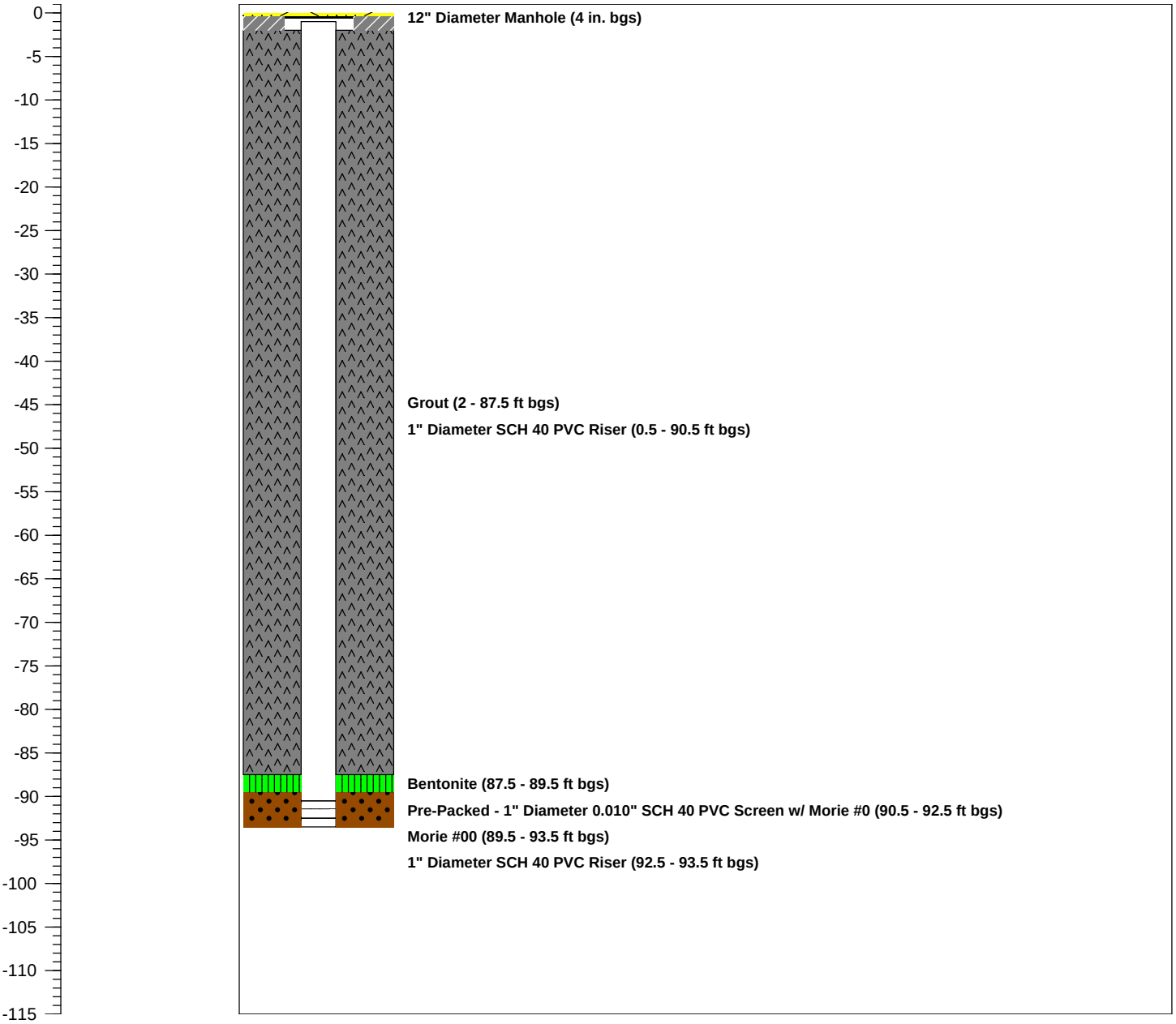
TOTAL DEPTH: **93.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-27**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/23/10**
Driller: **Barry Rummel & Matt Briody**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

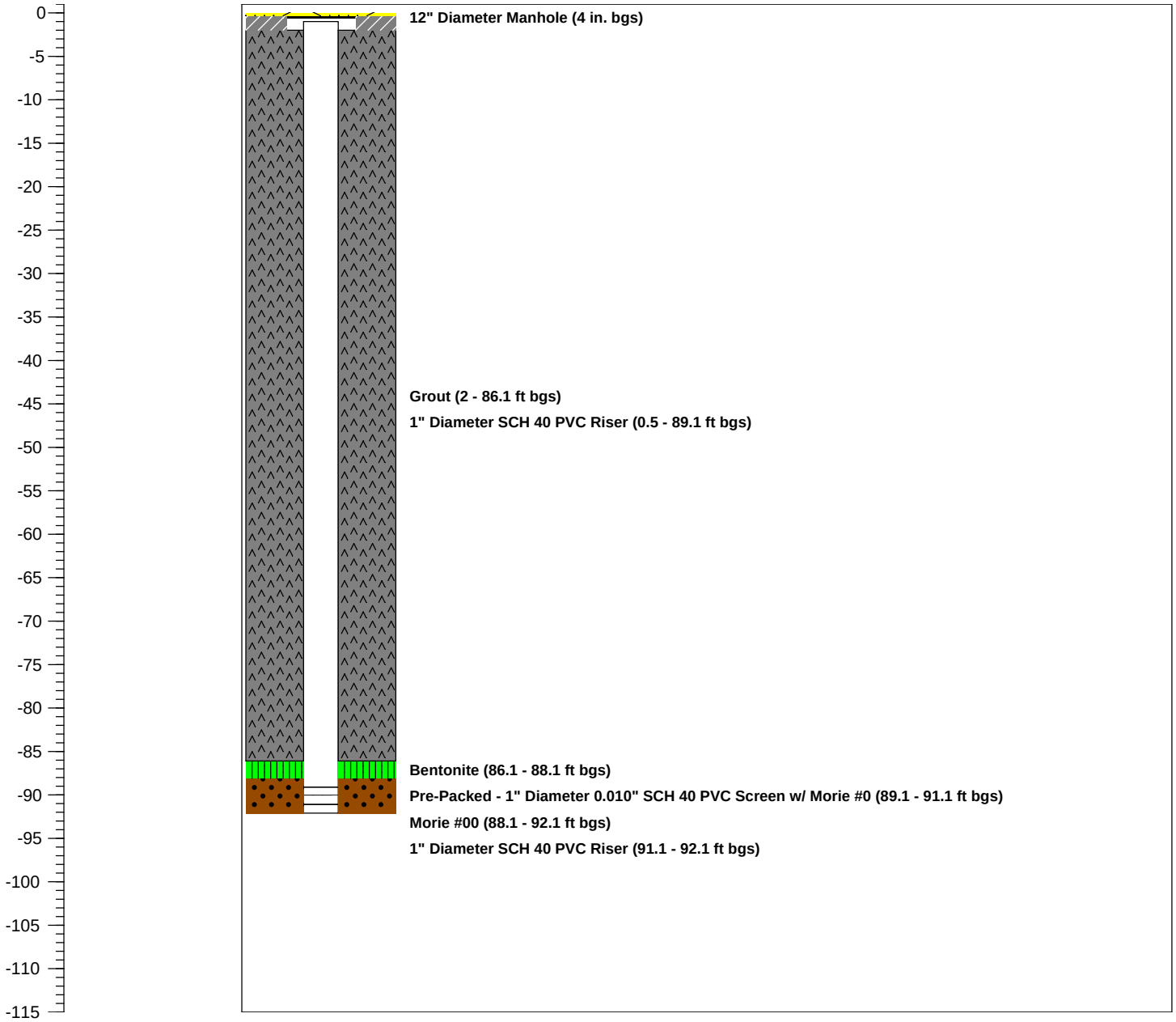
TOTAL DEPTH: **92.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-28D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/23/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

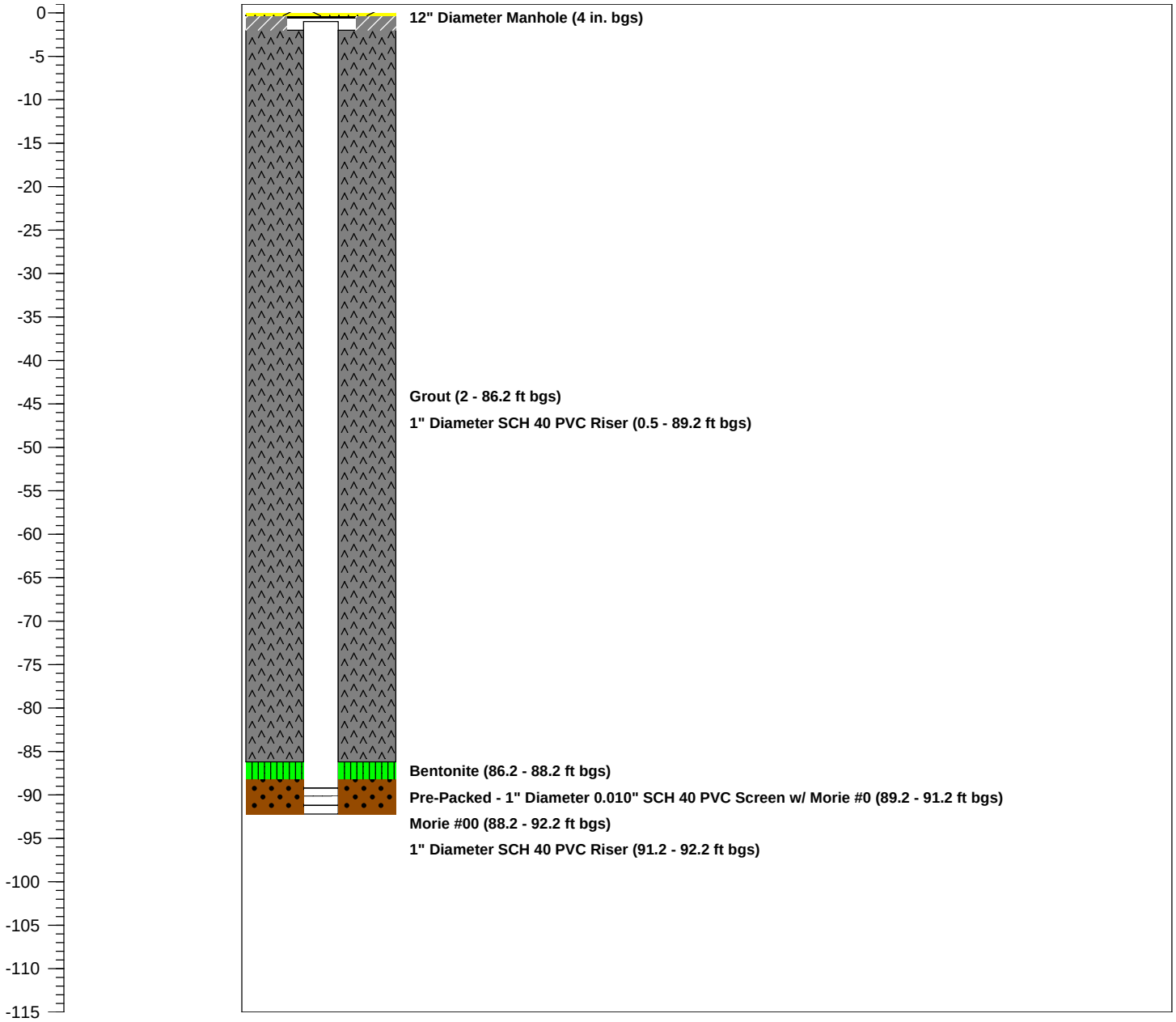
TOTAL DEPTH: **92.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-29**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/23/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

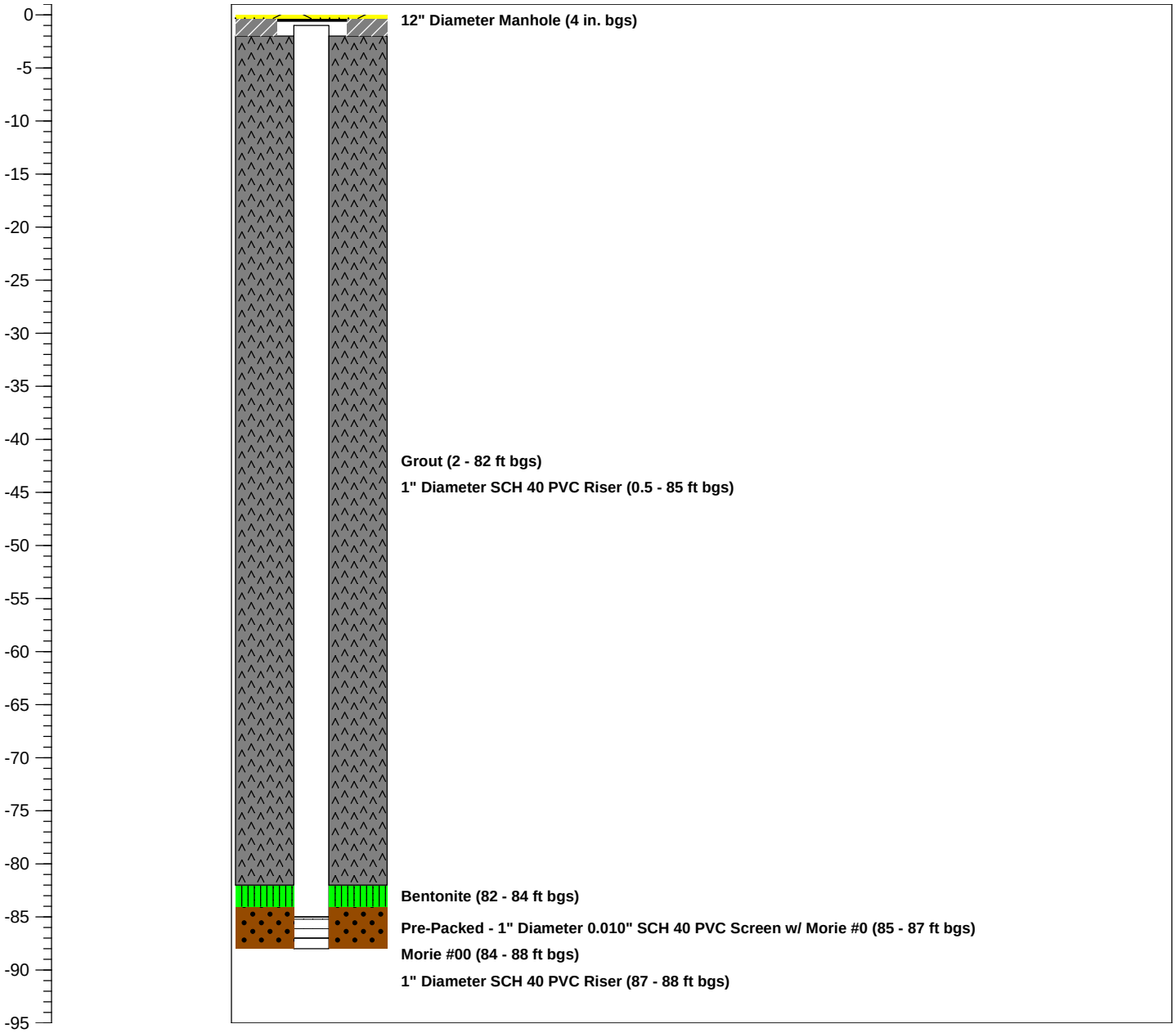
TOTAL DEPTH: **88'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-30D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **6/23/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

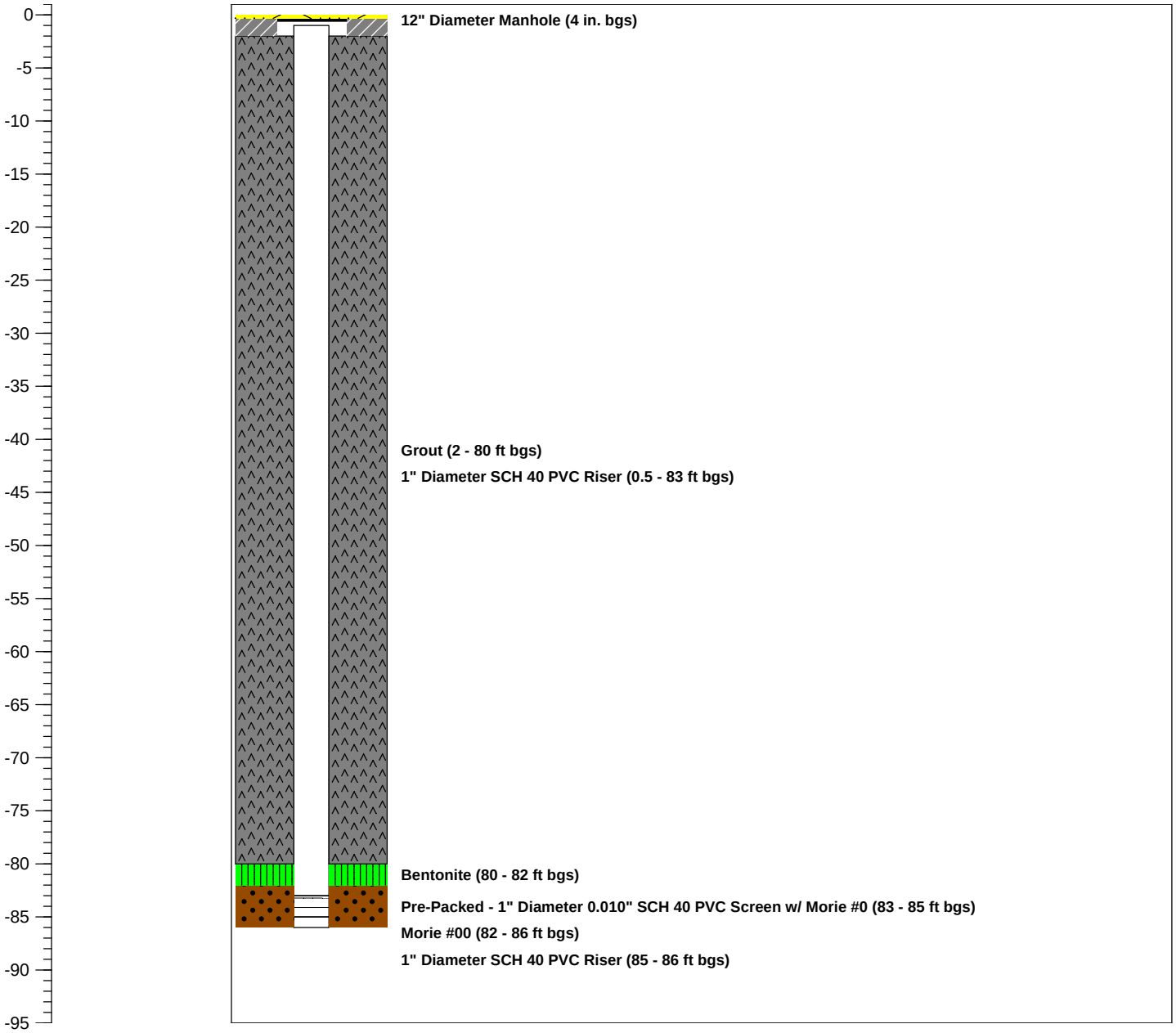
TOTAL DEPTH: **86'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-31**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/23/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 24, 2010
Weather Conditions:	Sunny ~90° F
Hours of Operation:	7:00 AM to 4:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Tom Brando	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenber	Glacier Drilling	
Megan Dascoli	URS	
Taralyn Myers	URS	

Detailed Summary of Work Performed

Installed three (3) injection points (OW-2-24D, OW-2-25 and OW-2-26D) to 97 feet below grade, 96 feet below grade and 95 feet below grade, respectively.

Health & Safety

Tailgate Meeting	Observations
Discussed uneven terrain in backyard of 158 Hilton Avenue, weather conditions, and proper body position during decontamination activities. Reviewed well installation JSA.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

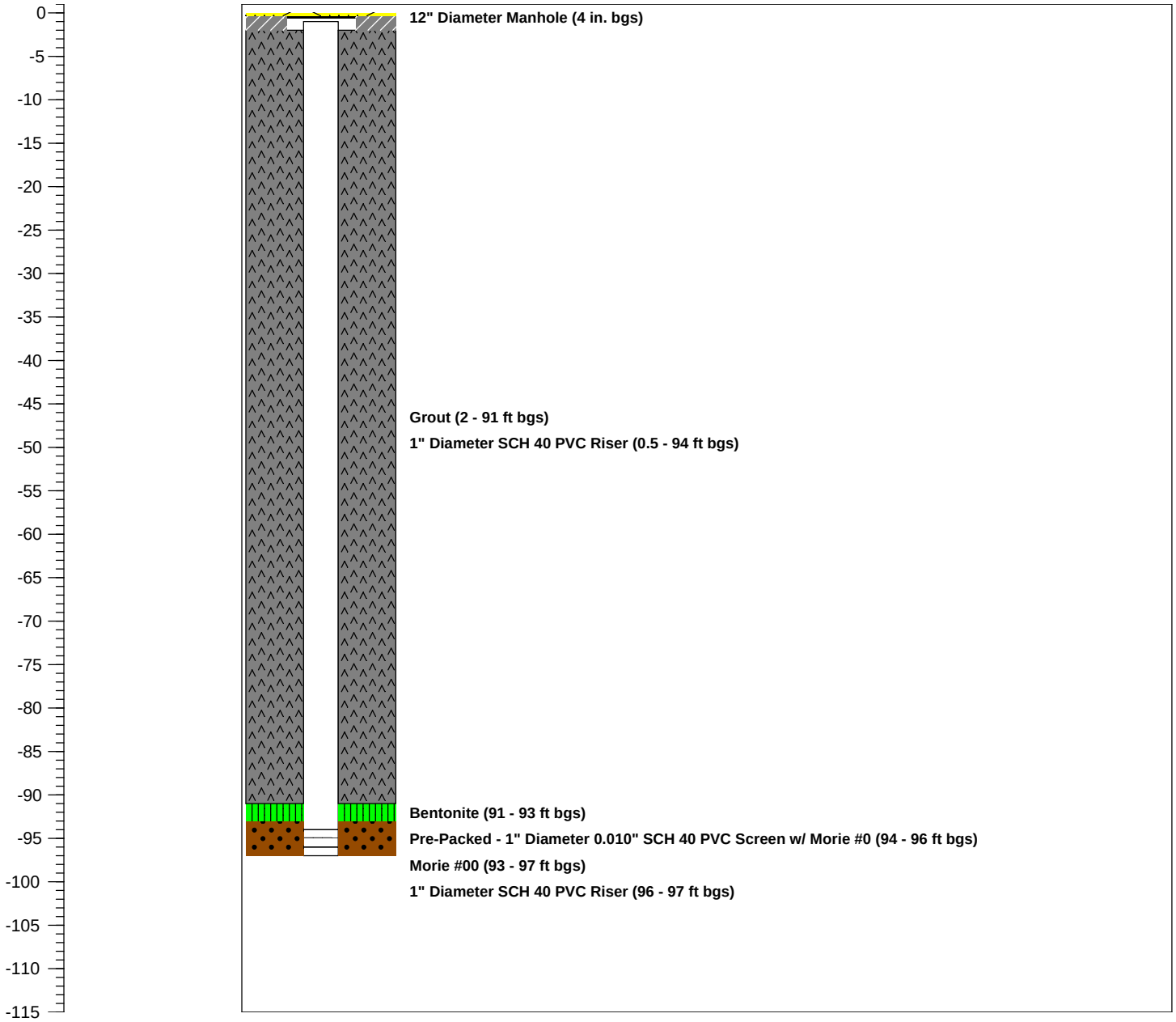
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**97'**	WELL NO.:	**OW-2-24D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**6/24/10**	Sampling Method:	-
Driller:	**Barry Rummel & Matt Briody**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

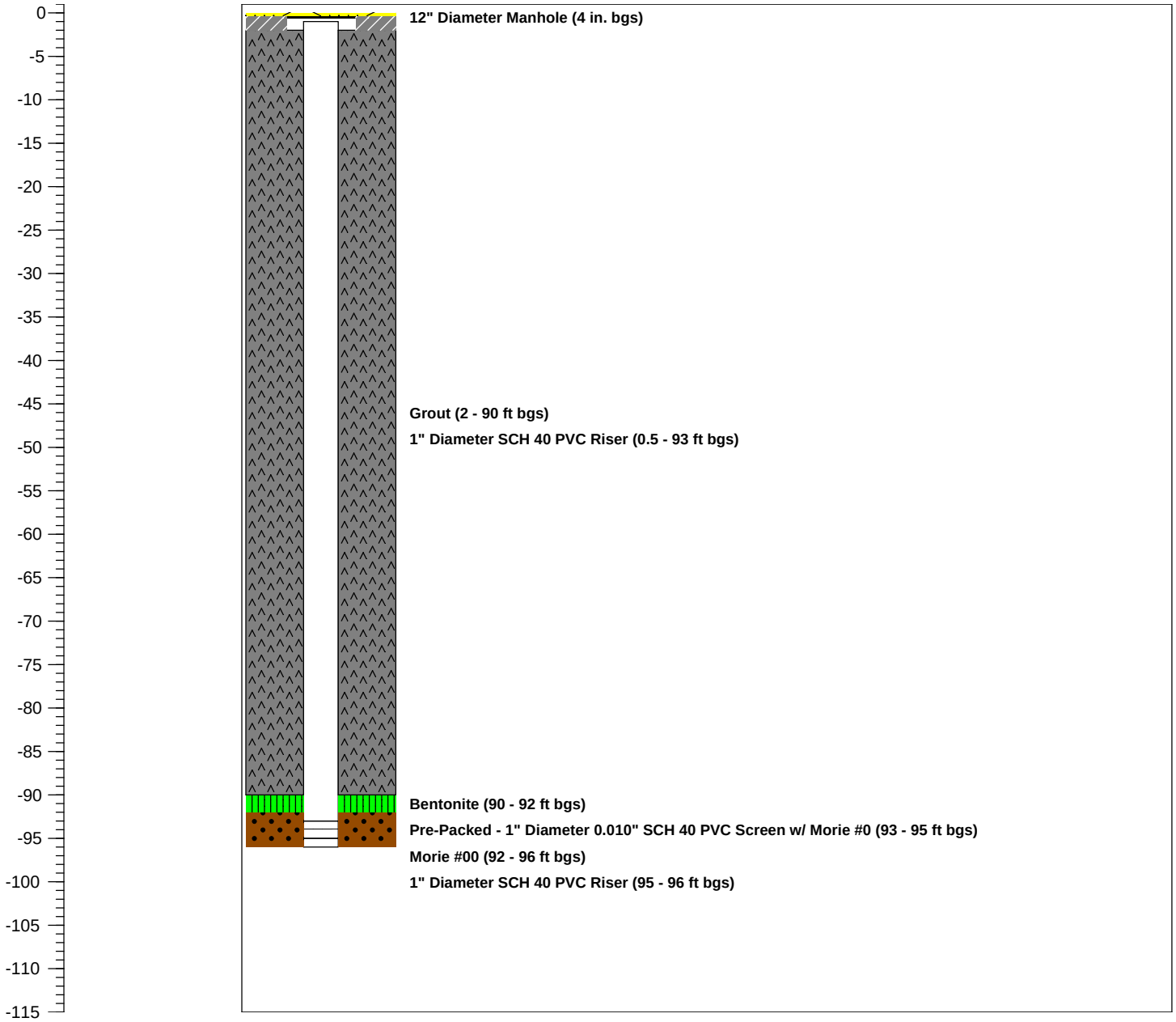
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**96'**	WELL NO.:	**OW-2-25**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**6/24/10**	Sampling Method:	-
Driller:	**Barry Rummel & Matt Briody**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

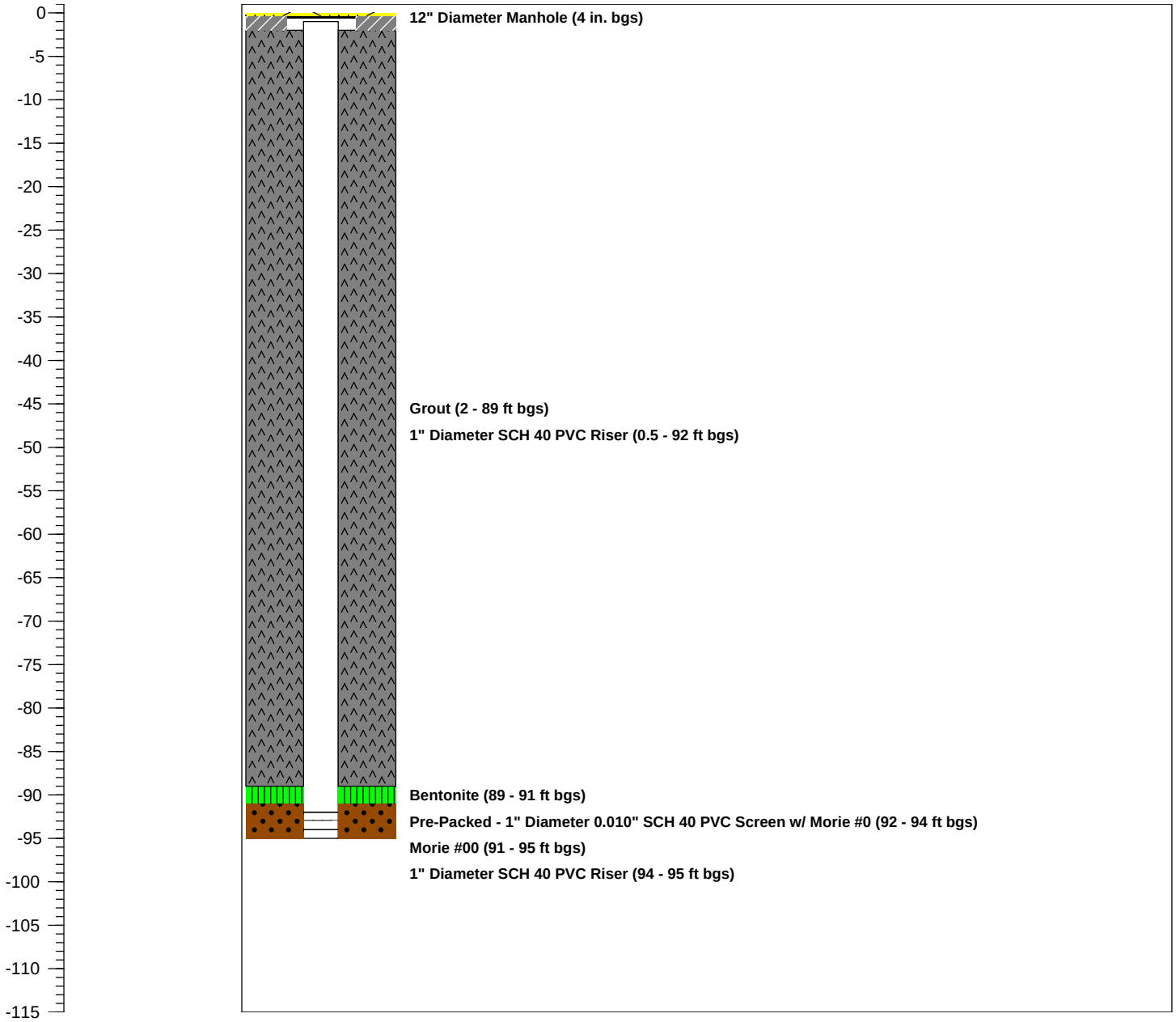
TOTAL DEPTH: **95'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-26D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/24/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 25, 2010
Weather Conditions:	Sunny ~90° F
Hours of Operation:	7:00 AM to 2:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Tom Brando	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenberg	Glacier Drilling	
Megan Dascoli	URS	

Detailed Summary of Work Performed

Installed two (2) injection points (OW-2-22D and OW-2-23) to 96.3 feet below grade and 97.2 feet below grade, respectively.

Health & Safety

Tailgate Meeting	Observations
Discussed tight space on side of 158 Hilton Avenue and 30 minute standby rule for thunderstorms.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

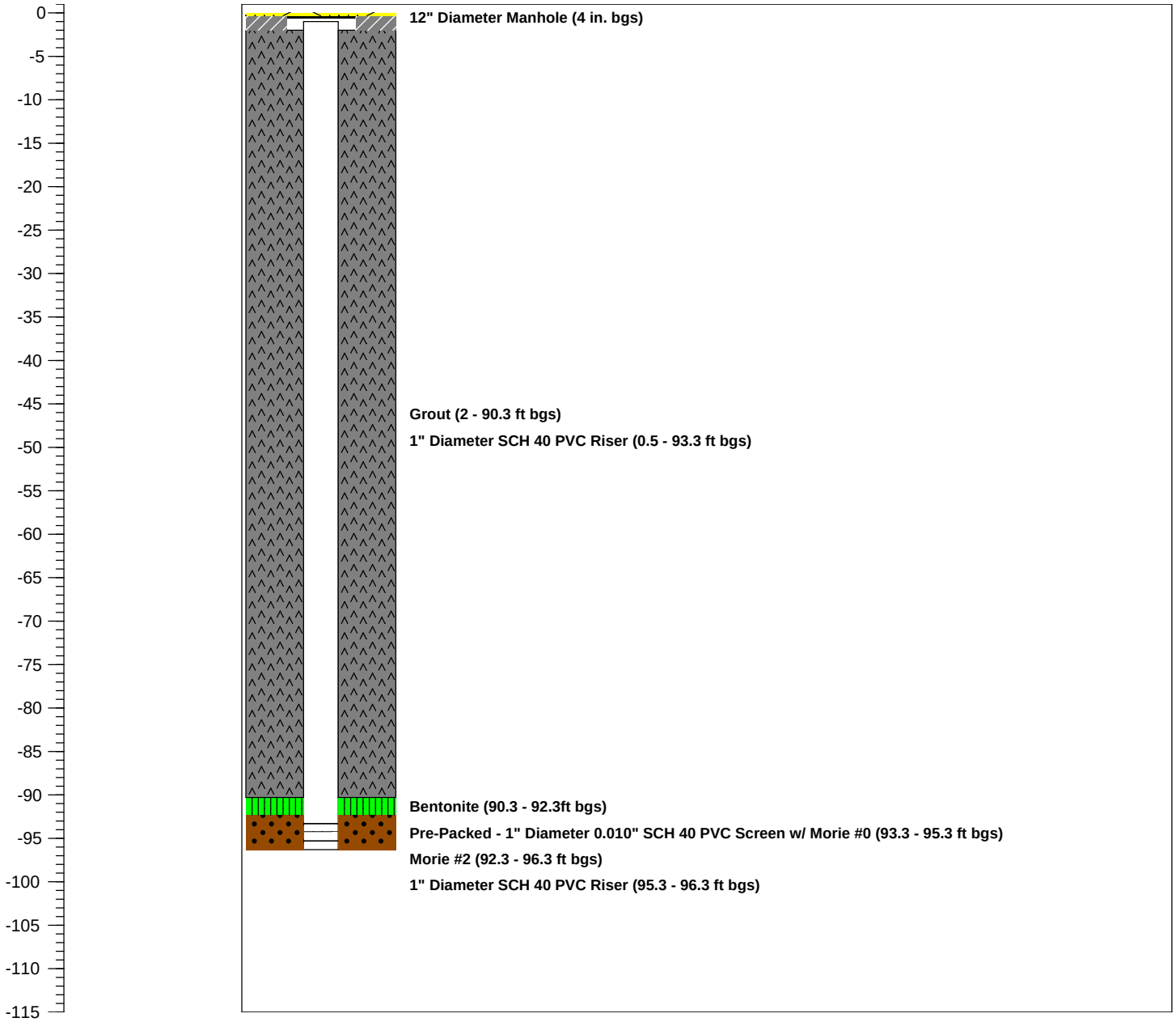
TOTAL DEPTH: **96.3**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-22D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/25/10**
Driller: **Barry Rummel & Matt Briody**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

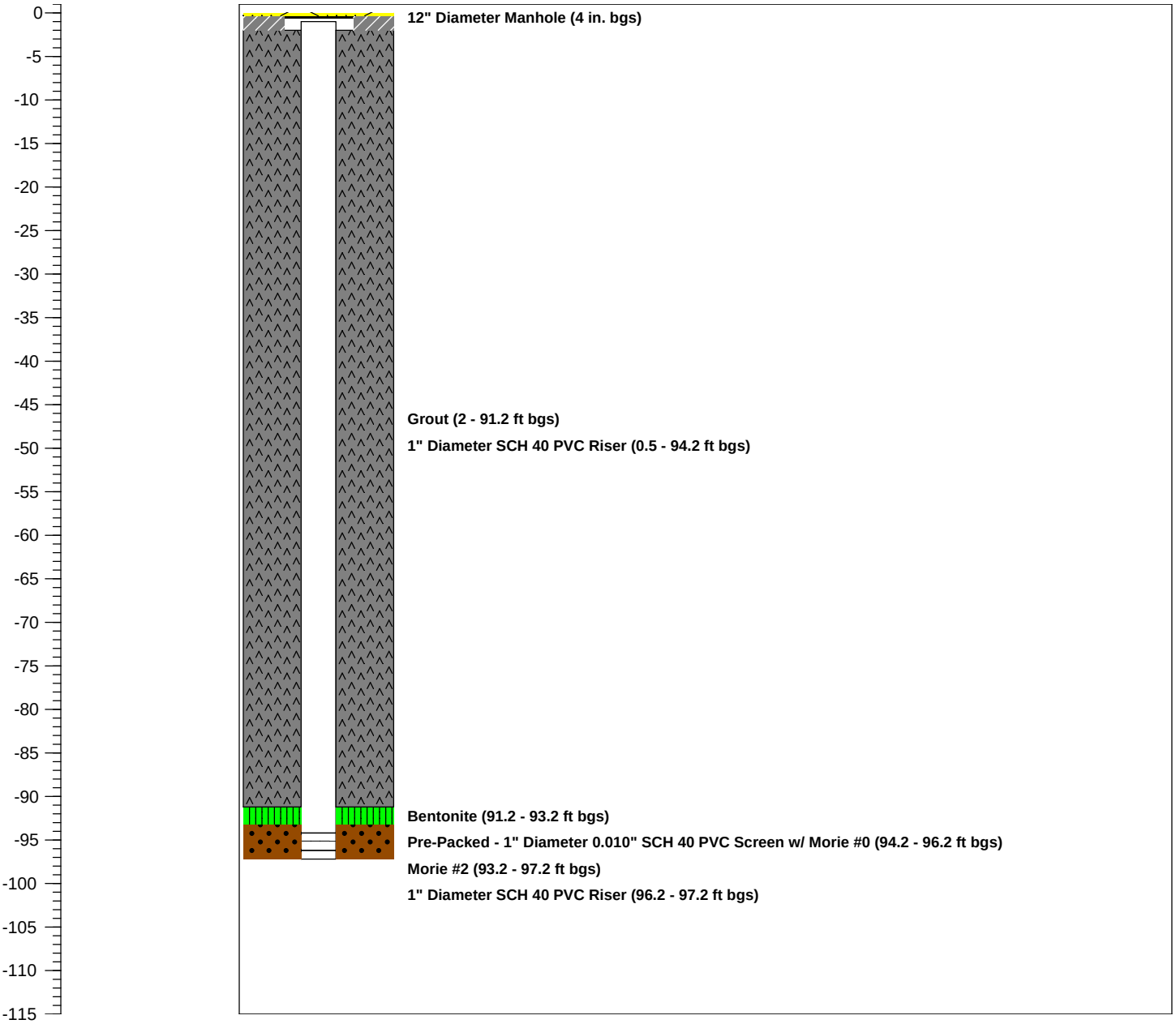
TOTAL DEPTH: **97.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-23**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/25/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 28, 2010
Weather Conditions:	Sunny ~95° F
Hours of Operation:	7:00 AM to 4:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Tom Brando	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenberg	Glacier Drilling	
Megan Dascoli	URS	

Detailed Summary of Work Performed

Pre-cleared one (1) injection point (OW-2-21) to 5 feet below grade. Installed four (4) injection points (OW-2-18S, OW-2-19, OW-2-20S and OW-2-20D) to 74.5 feet below grade, 96.1 feet below grade, 79 feet below grade and 96.6 feet below grade, respectively.

Health & Safety

Tailgate Meeting	Observations
Reviewed well drilling and hand clearing JSAs. Discussed hot weather, body position, tight work space and pedestrians around work area.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

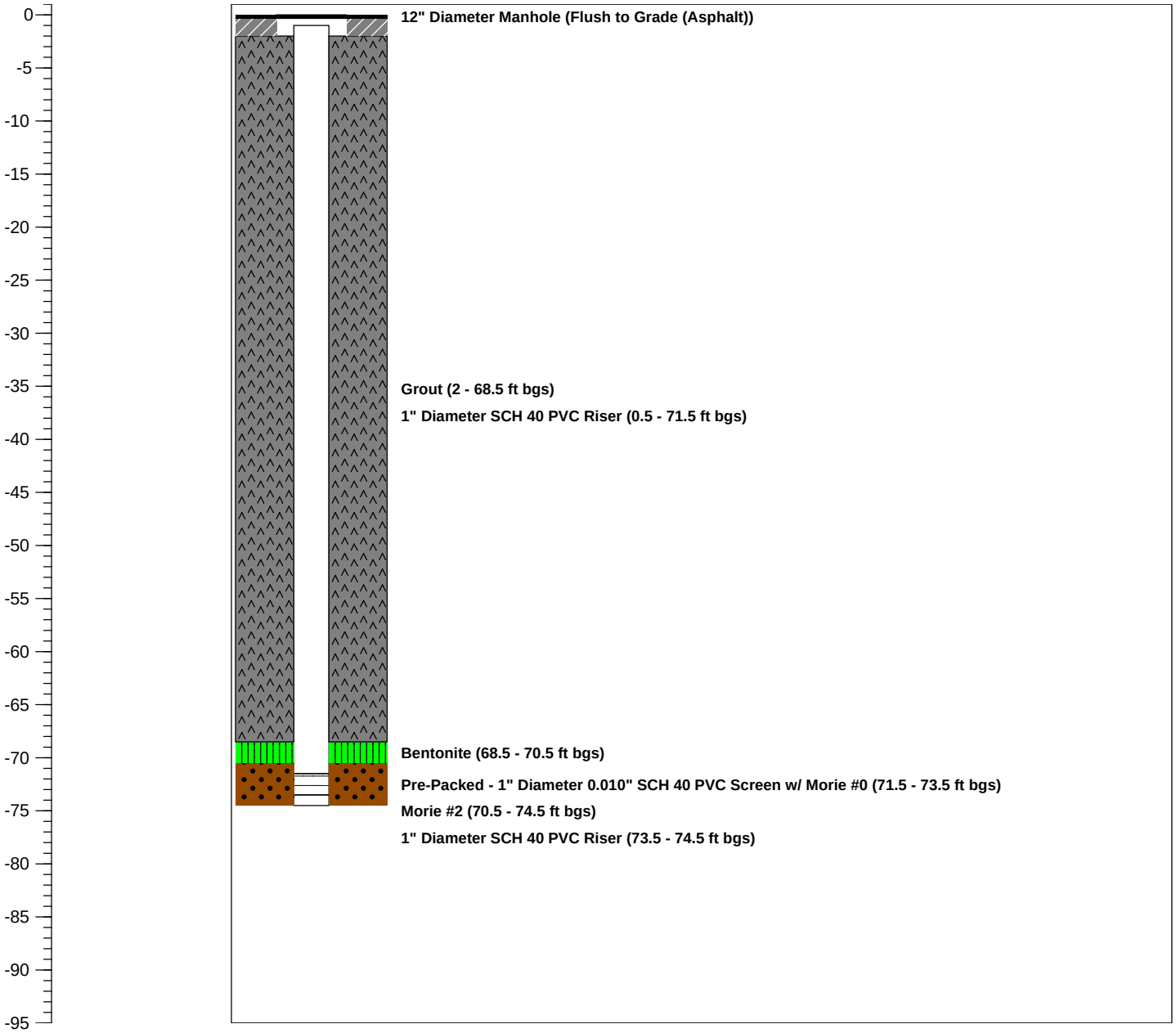
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**74.5'**	WELL NO.:	**OW-2-18S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**6/28/10**	Sampling Method:	-
Driller:	**Matt Briody**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

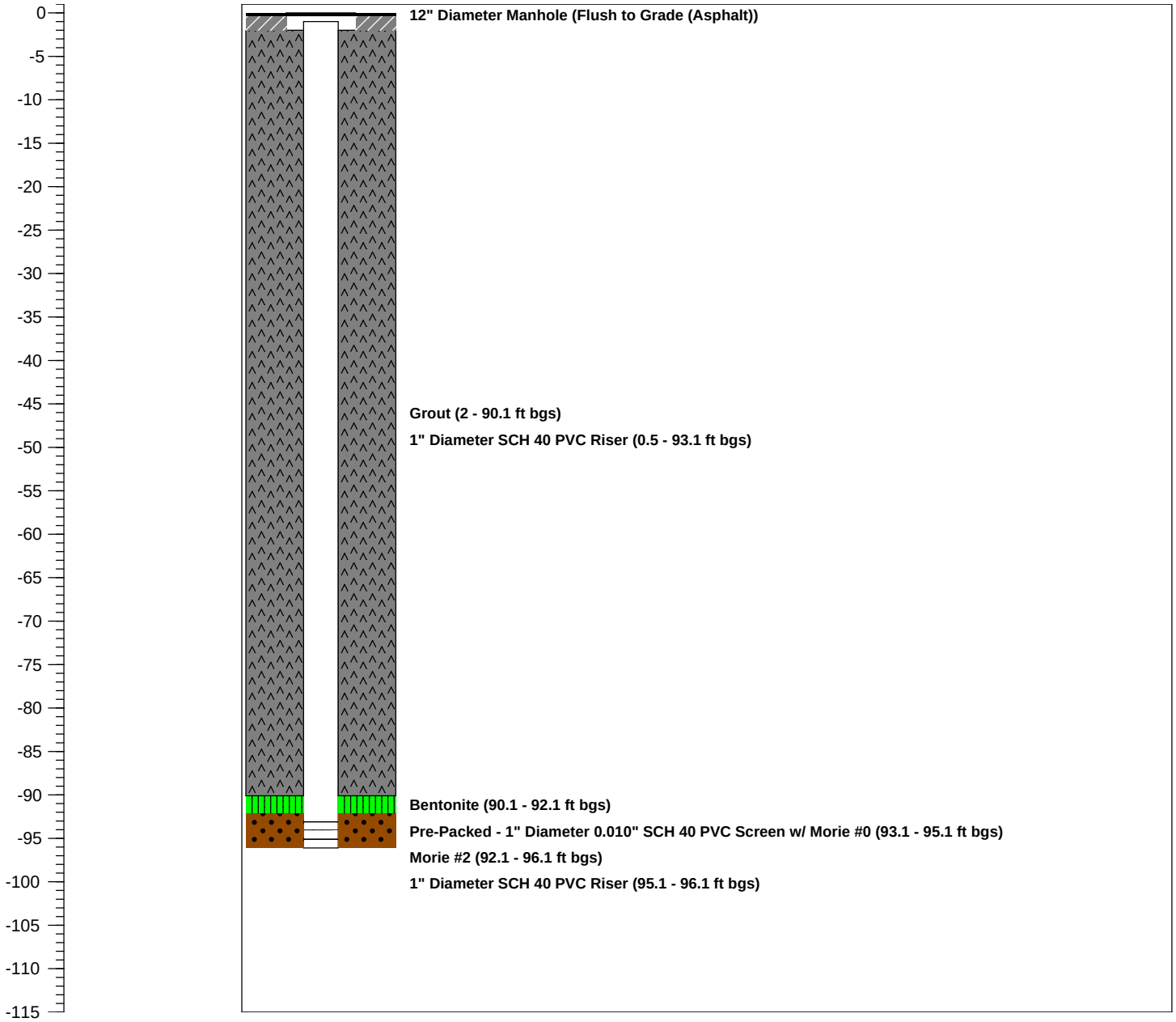
TOTAL DEPTH: **96.1**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-19**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/28/10**
Driller: **Barry Rummel & Matt Briody**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

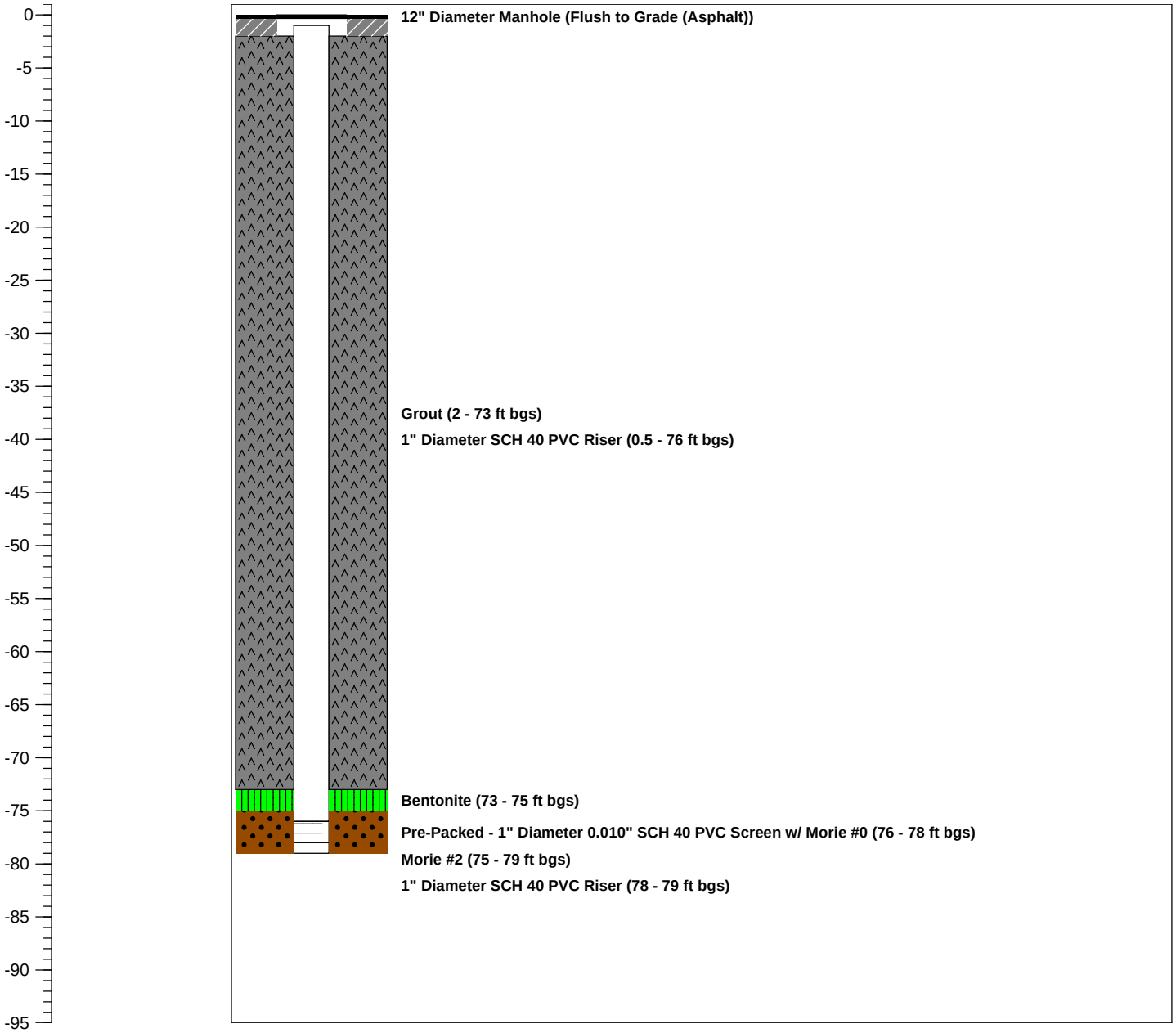
TOTAL DEPTH: **79**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-20S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/28/10**
Driller: **Matt Briody**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

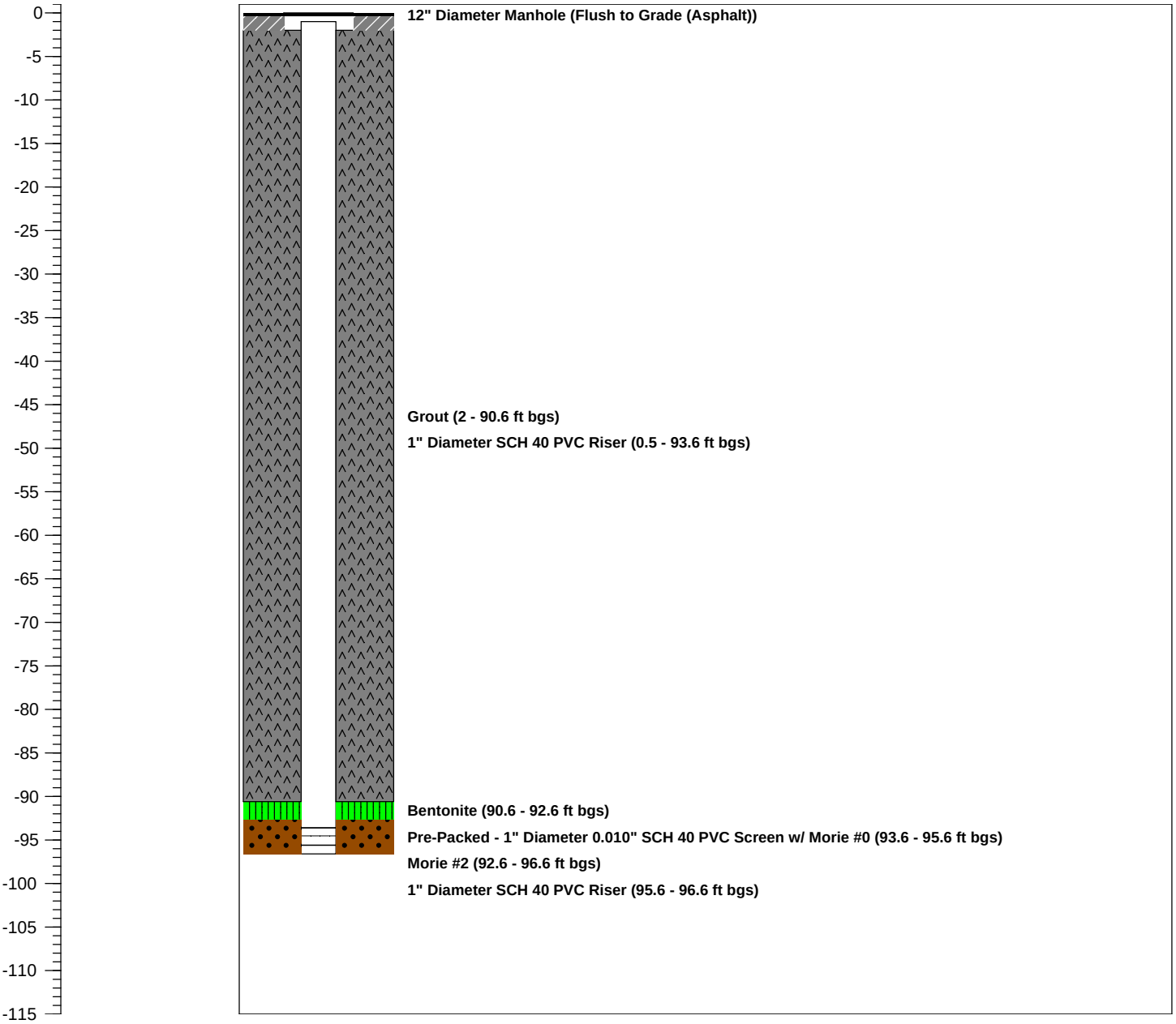
TOTAL DEPTH: **96.6**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-20D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/28/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	June 29, 2010
Weather Conditions:	Sunny ~95° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Mike Mede	F&N	
Tom Brando	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenberg	Glacier Drilling	
Megan Dascoli	URS	

Detailed Summary of Work Performed

Pre-cleared six (6) injection points (OW-2-14, OW-2-15S, OW-2-15D, OW-2-17, OW-2-16D and OW-2-16S) to 5 feet below grade. Installed two (2) injection points (OW-2-18D and OW-2-21) to 95.5 feet below grade and 96.6 feet below grade, respectively.

Health & Safety

Tailgate Meeting	Observations
Discussed drinking extra liquid due to hot weather, proper body position while pre-clearing, overhead utilities and utilizing a face shield while decontaminating.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

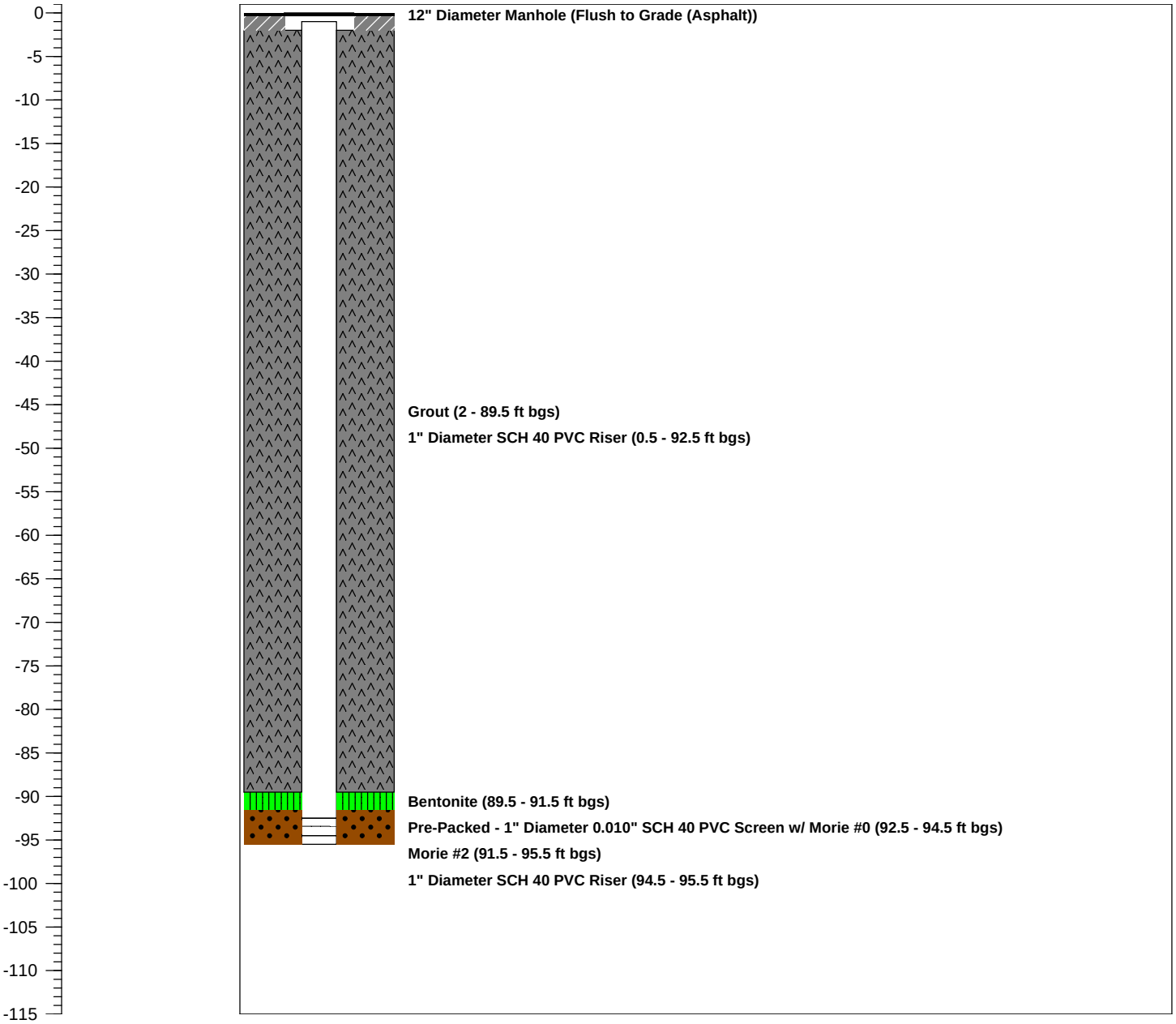
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**95.5'**	WELL NO.:	**OW-2-18D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**6/29/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

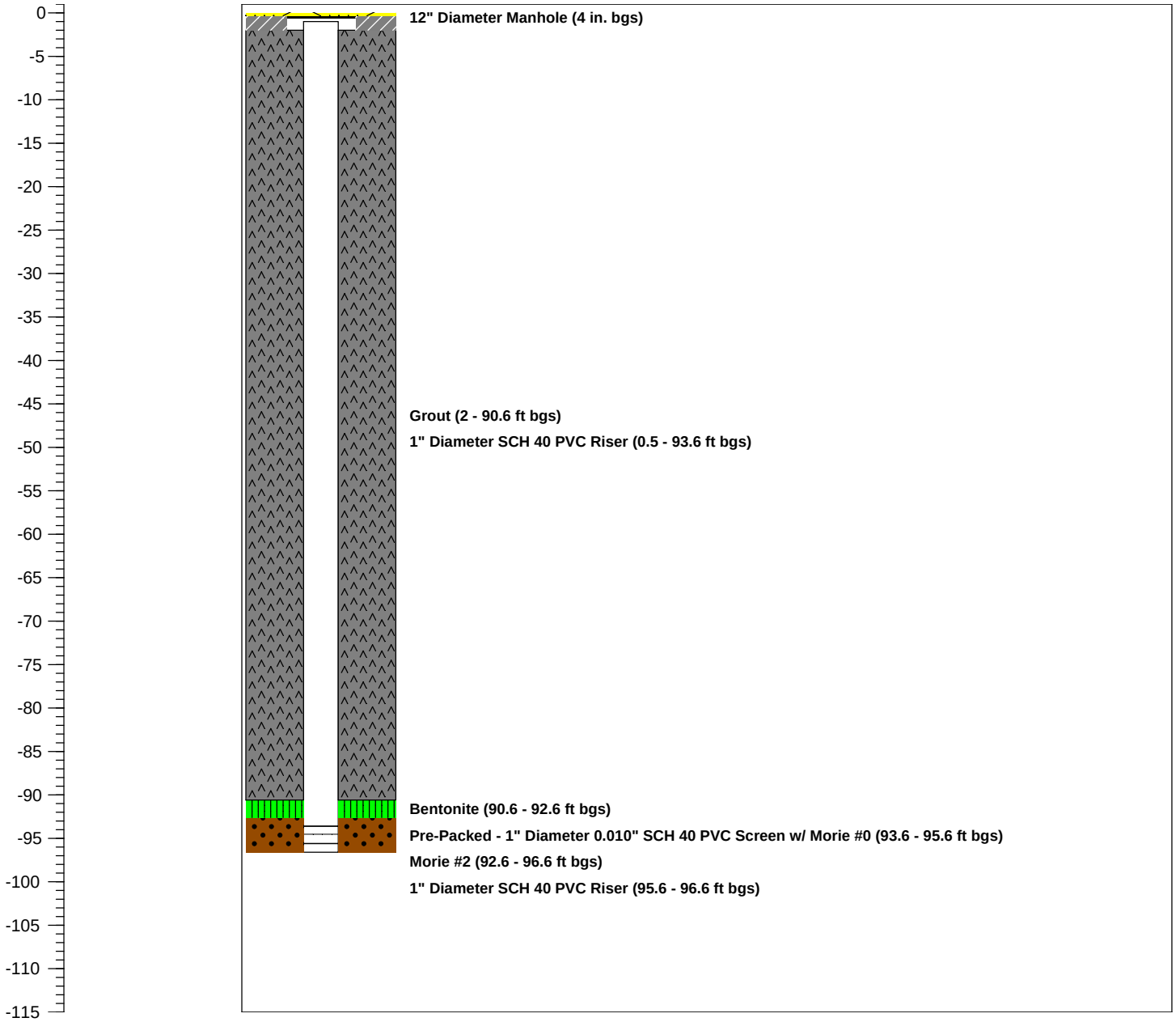
TOTAL DEPTH: **96.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-21**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/29/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	June 30, 2010
Weather Conditions:	Sunny ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Tom Brando	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenberg	Glacier Drilling	
Megan Dascoli	URS	

Detailed Summary of Work Performed

Installed three (3) injection points (OW-2-16S, OW-2-16D and OW-2-17) to 73.5 feet below grade, 94.1 feet below grade and 95 feet below grade, respectively.

Health & Safety

Tailgate Meeting	Observations
Discussed proximity to street and the proper traffic control, communication between drill teams and to warn others before starting up Geoprobes.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

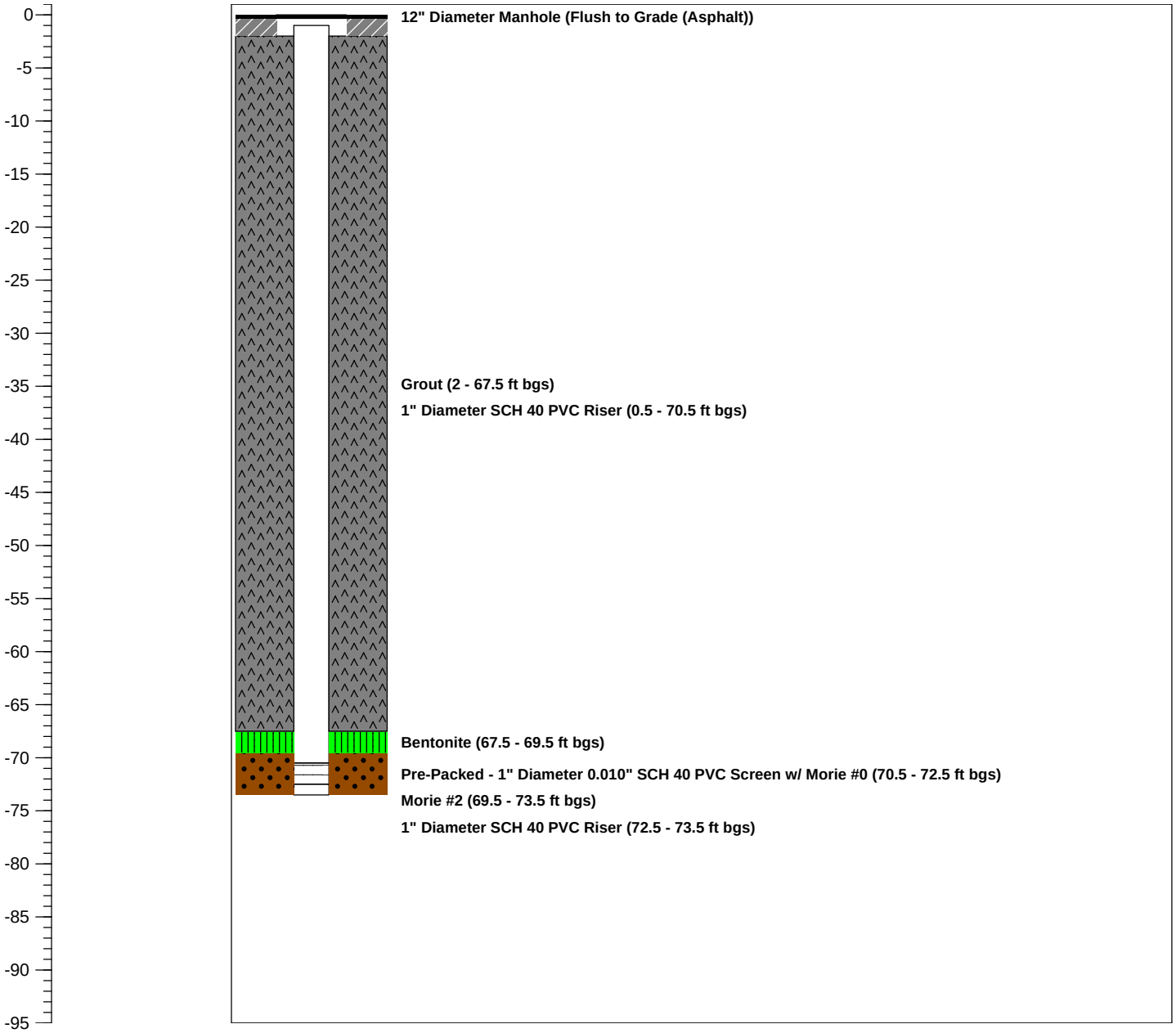
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**73.5'**	WELL NO.:	**OW-2-16S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**6/30/10**	Sampling Method:	-
Driller:	**Matt Briody**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

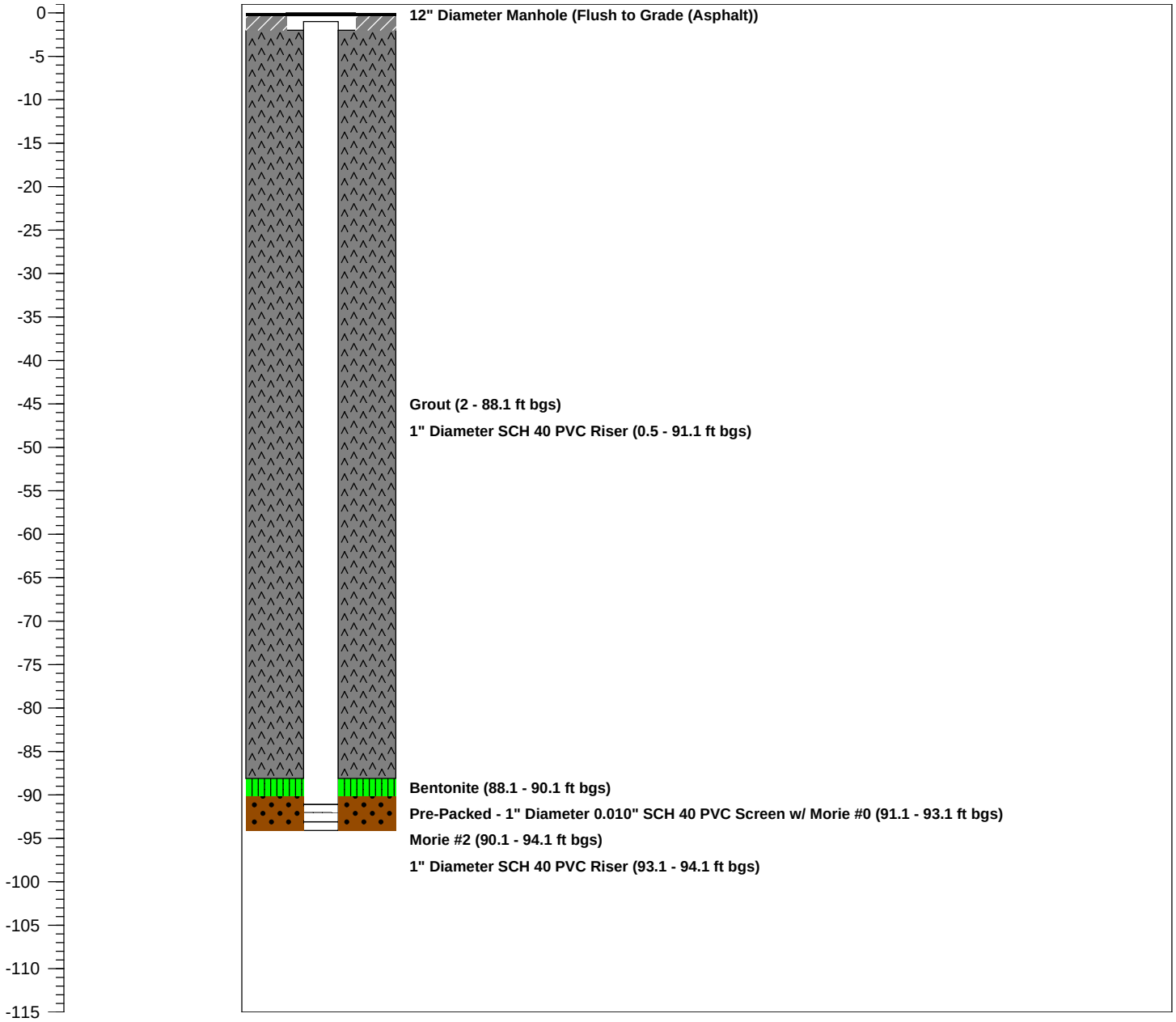
TOTAL DEPTH: **94.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-16D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/30/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

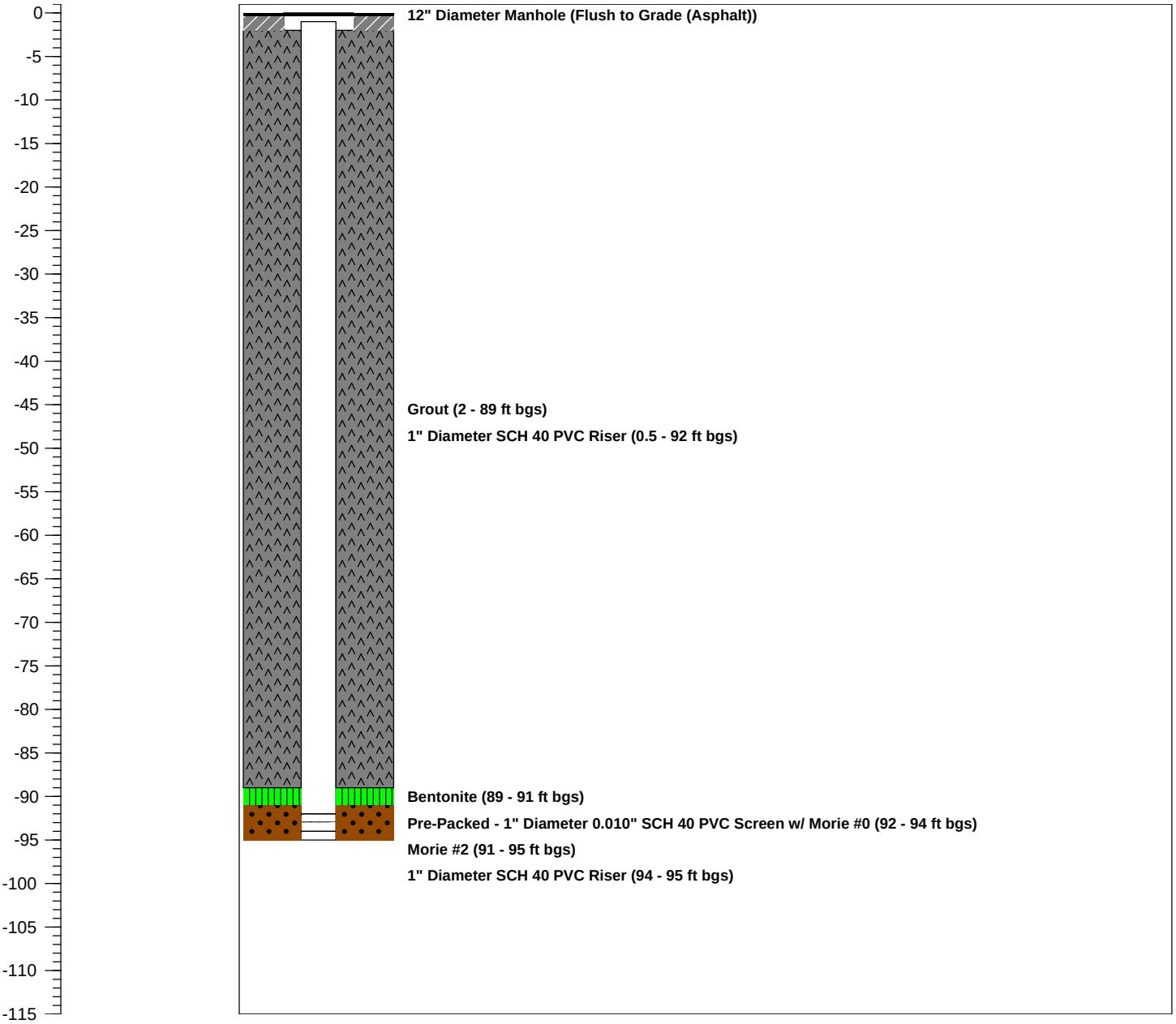
TOTAL DEPTH: **95'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-17**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/30/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date: July 1, 2010	
Weather Conditions:	Sunny ~80° F
Hours of Operation:	7:00 AM to 4:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Tom Brando	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenberg	Glacier Drilling	
Megan Dascoli	URS	
Kirk White	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe/Mini Excavator
Charlie Guzzardo	F&N	Dump Truck
Nick Gambino	F&N	

Detailed Summary of Work Performed

Pre-cleared seven (7) injection points to 5 feet below grade. Installed two (2) injection points (OW-2-14 and OW-2-15D) to 96.4 feet below grade and 94.6 feet below grade, respectively. During the injection point building process at OW-2-14, the 3.25-inch diameter steel casing broke approximately 5 feet below grade and the rods became stuck at approximately 89 feet below grade just above the bentonite seal. An attempt to remove the steel casing will be conducted next week. If the casing cannot be removed it will be abandoned in place with tremie grout as the injection point has not been compromised. Removed fencing along eastern side of 158 Hilton Avenue to provide access to the top of the Mirschel Park Hill. Excavated trench to a depth of approximately 36-inches from injection point OW-2-34 to OW-2-32 onto the 158 Hilton Avenue property. Excavated soils were transported back to the Intersection Street staging yard for stockpiling.

Health & Safety

Tailgate Meeting	Observations
Reviewed Trenching & Excavation JSAs.	Discussed working with backhoe in tight conditions and swing radius. Individual observed using Nextel two way radio while driving truck, discussed with all crews that you cannot use a cell phone while driving.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Pat Van Rossem (National Grid), Kevin Tardell (Emillcot) & Jeannie Byrne (F&N) participated in a 3rd party safety audit conducted on behalf of National Grid by Emillcot.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

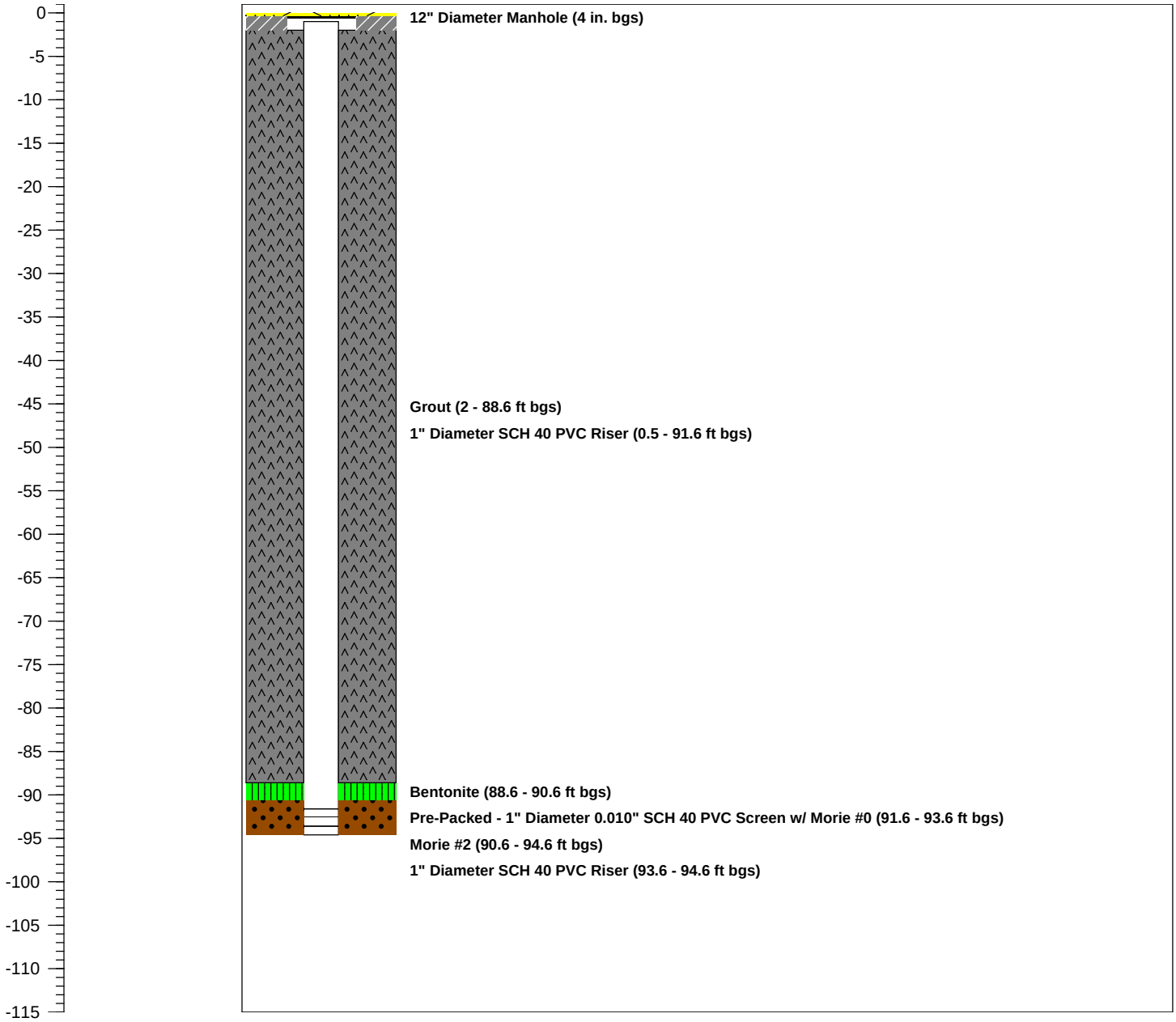
TOTAL DEPTH: **94.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-15D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/1/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date: July 2, 2010	
Weather Conditions:	Sunny ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Tom Brando	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenberg	Glacier Drilling	
Megan Dascoli	URS	
Kirk White	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
Nick Gambino	F&N	

Detailed Summary of Work Performed

Pre-cleared two (2) injection points to 5 feet below grade. Installed two (2) injection points (OW-2-13S and OW-2-15S) to 74 feet below grade and 75 feet below grade, respectively. Installed 3/4-inch poly oxygen supply lines to injection points OW-2-33 and OW-2-32. Backfilled trench with fine tank sand in 6-inch lifts and compacted with vibratory plate compactor to approximately 12-inches below grade. Installed tracer wire at approximately 18-inches below grade and detectable tape at approximately 12-inches below grade. Installed manholes at injection point OW-2-33 and OW-2-32. Completed grading on Mirschel Park Hill with excavated materials from injection point OW-2-34 to approximately 3-feet beyond the 158 Hilton Avenue fence line. Repaired fence on 158 Hilton Avenue property.

Health & Safety

Tailgate Meeting	Observations
Discussed driving and cell phone use, working in tight conditions and smoking in designated areas only.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

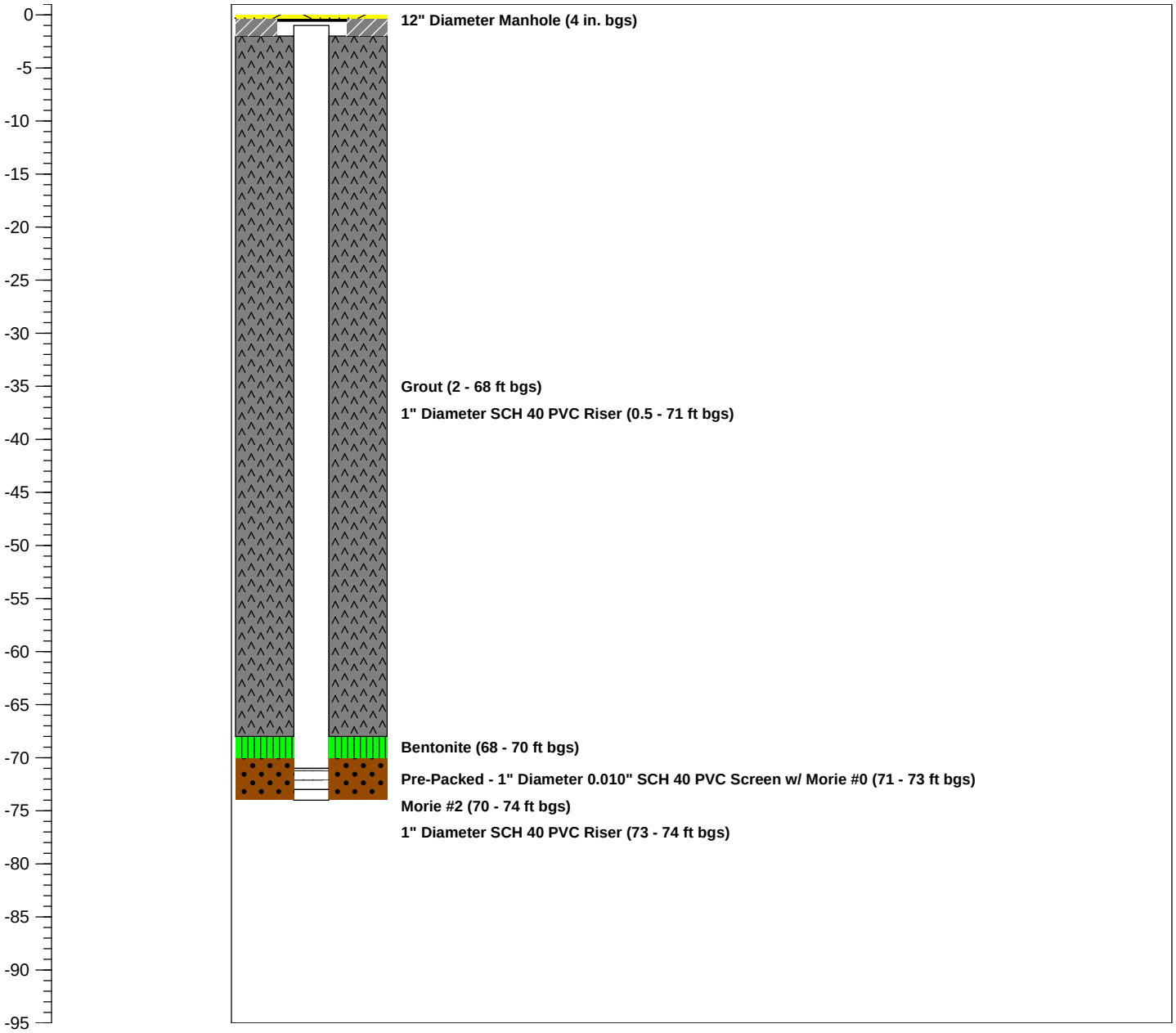
TOTAL DEPTH: **74'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-13S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/2/10**
Driller: **Matt Briody**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

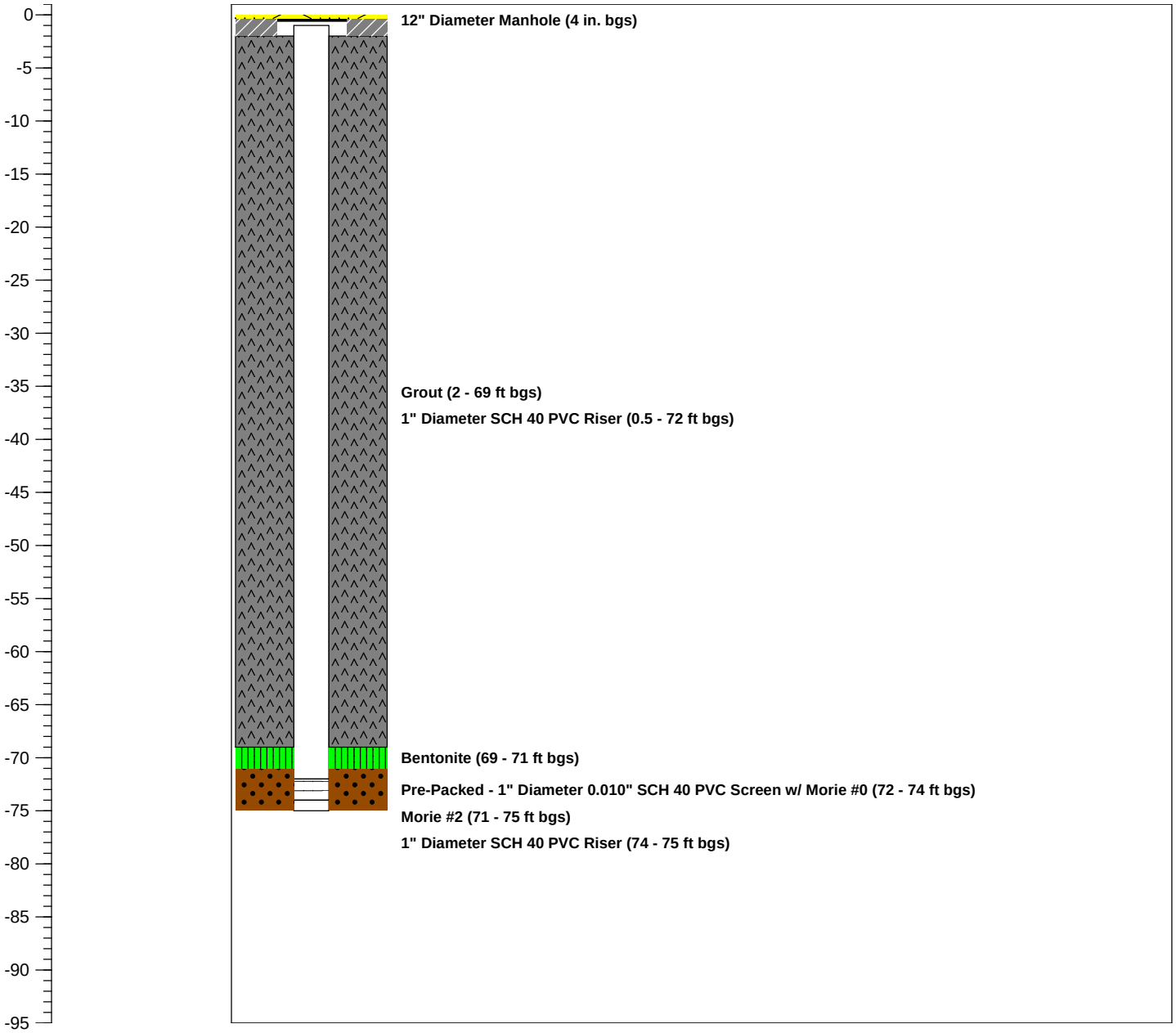
TOTAL DEPTH: **75'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-15S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/2/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date: July 6, 2010	
Weather Conditions:	Sunny ~100° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Tom Brando	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marvin Bell	Glacier Drilling	
Megan Dascoli	URS	
Kirk White	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	

Detailed Summary of Work Performed

Installed three (3) injection points (OW-2-11S, OW-2-12 and OW-2-13D) to 76.5 feet below grade, 94 feet below grade and 97 feet below grade, respectively. Continued excavating trench to approximately 36-inches below grade along 158 Hilton Avenue. Reusable excavated soils were stockpiled along side the trench. Excavated soils that were not reusable were transported back to the Intersection Street staging yard for stockpiling. Excavated an additional foot (total depth approximately 48-inches below grade) along the side of the trench in order to install 2-inch diameter electrical conduit. Backfilled electrical conduit with excavated soils and installed detectable tape. Installed tees and ball valves on six (6) injection points (OW-2-31, OW-2-30S, OW-2-30D, OW-2-29, OW-2-28S and OW-2-29D).

Health & Safety

Tailgate Meeting	Observations
Discussed heat stress due to high temperature and humidity and traffic and pedestrian control in work areas.	Submitted a near loss due to tree branch breaking off while pulling out of 158 Hilton Avenue driveway.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

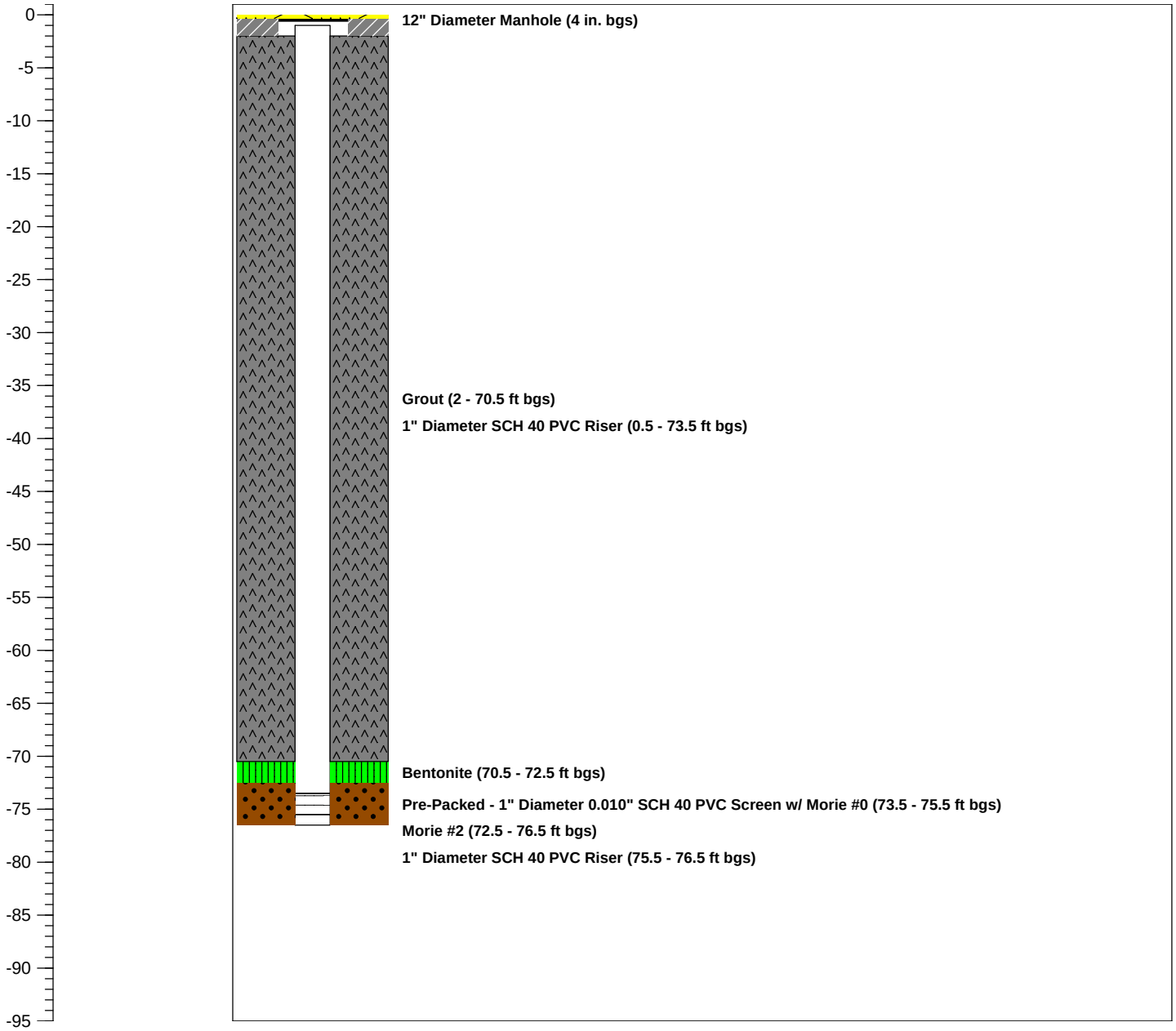
TOTAL DEPTH: **76.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-11S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/6/10**
Driller: **Matt Briody**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

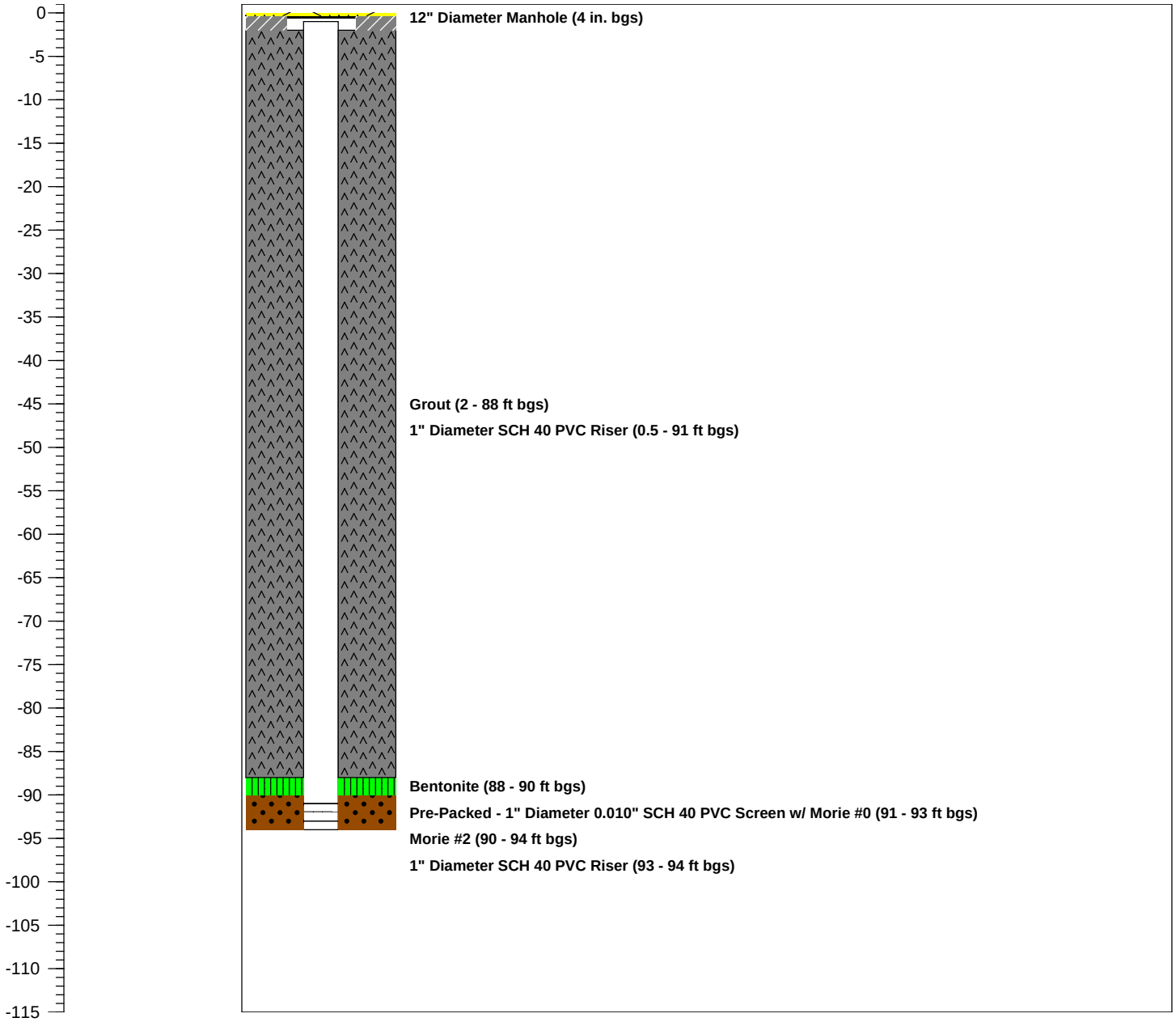
TOTAL DEPTH: **94'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-12**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/6/10**
Driller: **Barry Rummel & Matt Briody**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

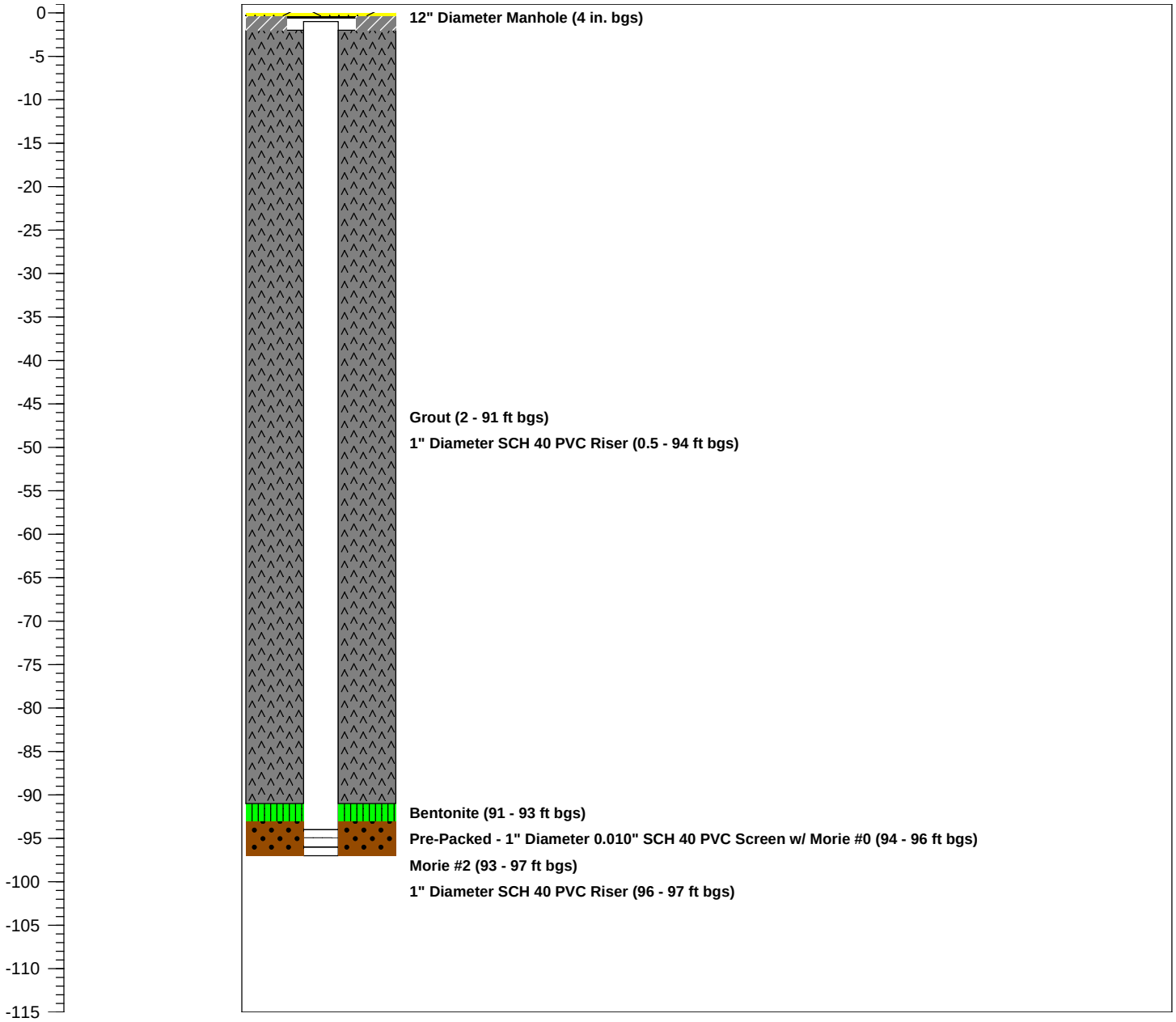
TOTAL DEPTH: **97'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-13D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/6/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	July 7, 2010
Weather Conditions:	Sunny ~95° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Tom Brando	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marvin Bell	Glacier Drilling	
Megan Dascoli	URS	
Kirk White	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	

Detailed Summary of Work Performed

Installed two (2) injection points (OW-2-10S OW-2-11D) to 75 feet below grade and 100.8 feet below grade, respectively. Continued excavating trench to approximately 36-inches below grade along 158 Hilton Avenue. Reusable excavated soils were stockpiled

Health & Safety

Tailgate Meeting	Observations
Discussed heat stress due to high temperature and heavy equipment movement in and out of 158 Hilton Avenue property. (See below for additional comments)	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Discussed need to assess work areas for low tree branches, pedestrian traffic and other hazards related to heavy equipment movement. Instituted the use of spotters for work at the 158 Hilton Avenue property. Discussed need to operate backhoe with backhoe arm in low position.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

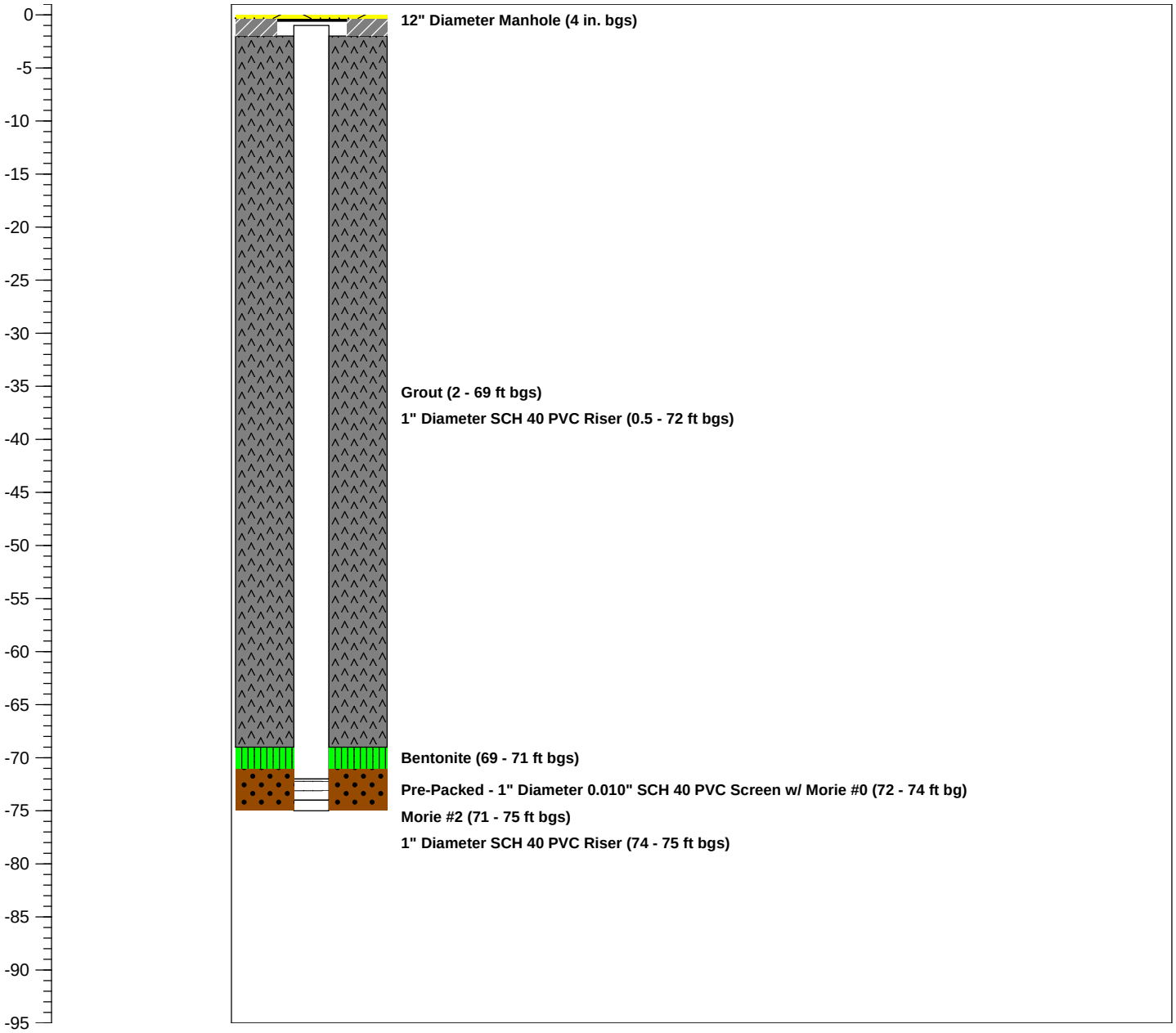
TOTAL DEPTH: **75'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-10S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/7/10**
Driller: **Barry Rummel & Matt Briody**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

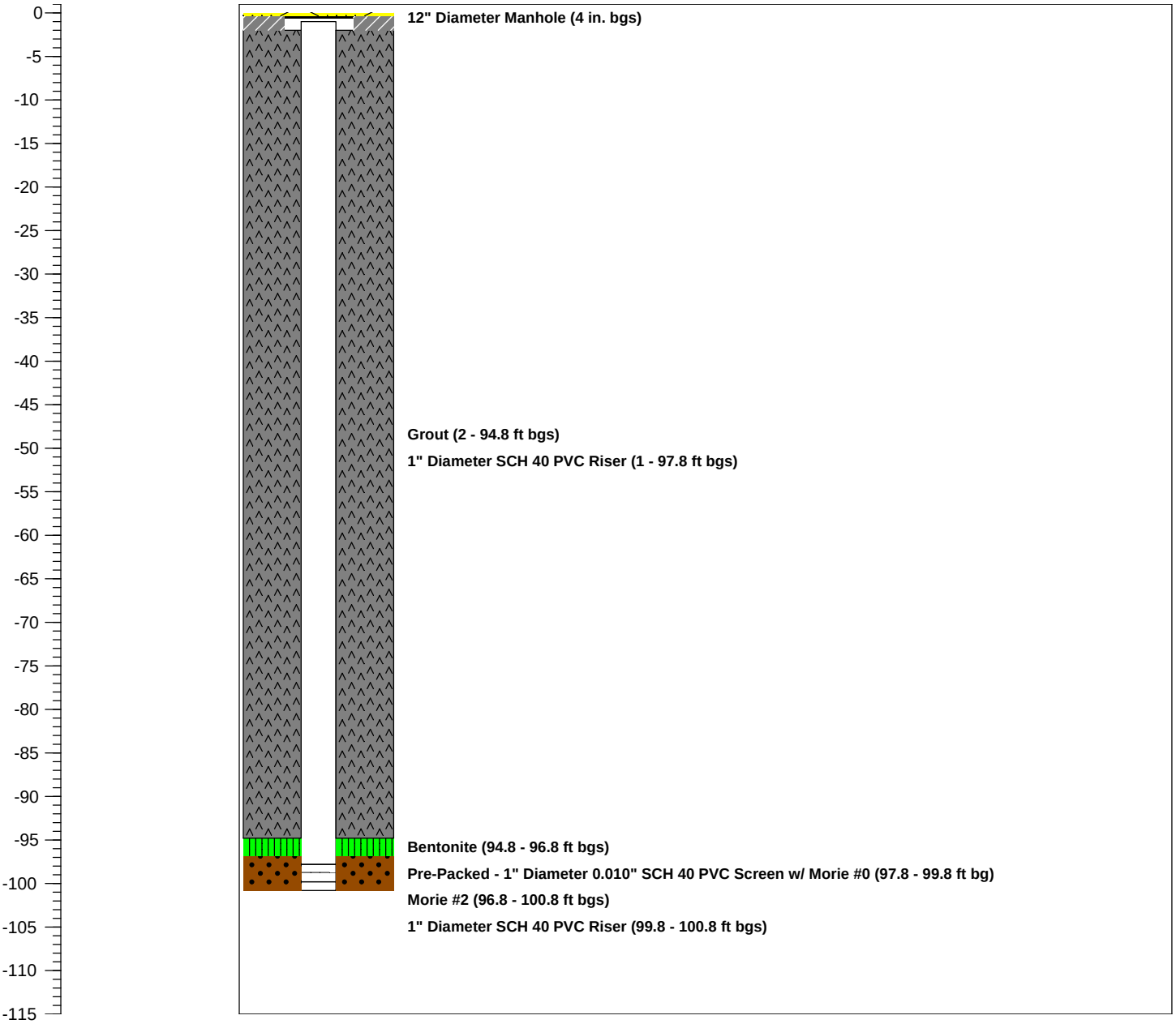
TOTAL DEPTH: **100.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-11D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **7/7/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date: July 8, 2010	
Weather Conditions:	Sunny ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Kevin Kegel	F&N	Grout mixer, Drill Support Truck & Geoprobe Model 7720
Matt Briody	F&N	
Tom Brando	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marvin Bell	Glacier Drilling	
Mike Aldo	Glacier Drilling	Vacuum Equipment
Stan Chowaniec	Glacier Drilling	
Laura Roggeri	URS	
Kirk White	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment

Detailed Summary of Work Performed

Installed two (2) injection points (OW-2-9S and OW-2-10D) to 75 feet below grade and 97.2 feet below grade, respectively. Recovered 3.25-inch casings stuck in ground at OW-2-14D and grouted annular space around injection point. Saw cut trench along the asphalt driveway of 158 Hilton Avenue. Continued excavating trench to approximately 36-inches below grade along 158 Hilton Avenue. Reusable excavated soils were stockpiled along side the trench. Excavated soils that were not reusable were transported back to the Intersection Street staging yard for stockpiling. Excavated an additional foot (total depth approximately 48-inches below grade) along the side of the trench in order to install 2-inch diameter electrical conduit. Backfilled electrical conduit with excavated soils and installed detectable tape. Installed tees and ball valves on four (4) injection points (OW-2-24S, OW-2-24D, OW-2-23 and OW-2-22D). Developed two (2) monitoring points (MP-2-4 and MP-2-5).

Health & Safety

Tailgate Meeting	Observations
Discussed heat stress due to high temperature, working around storm drains and pedestrian traffic.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

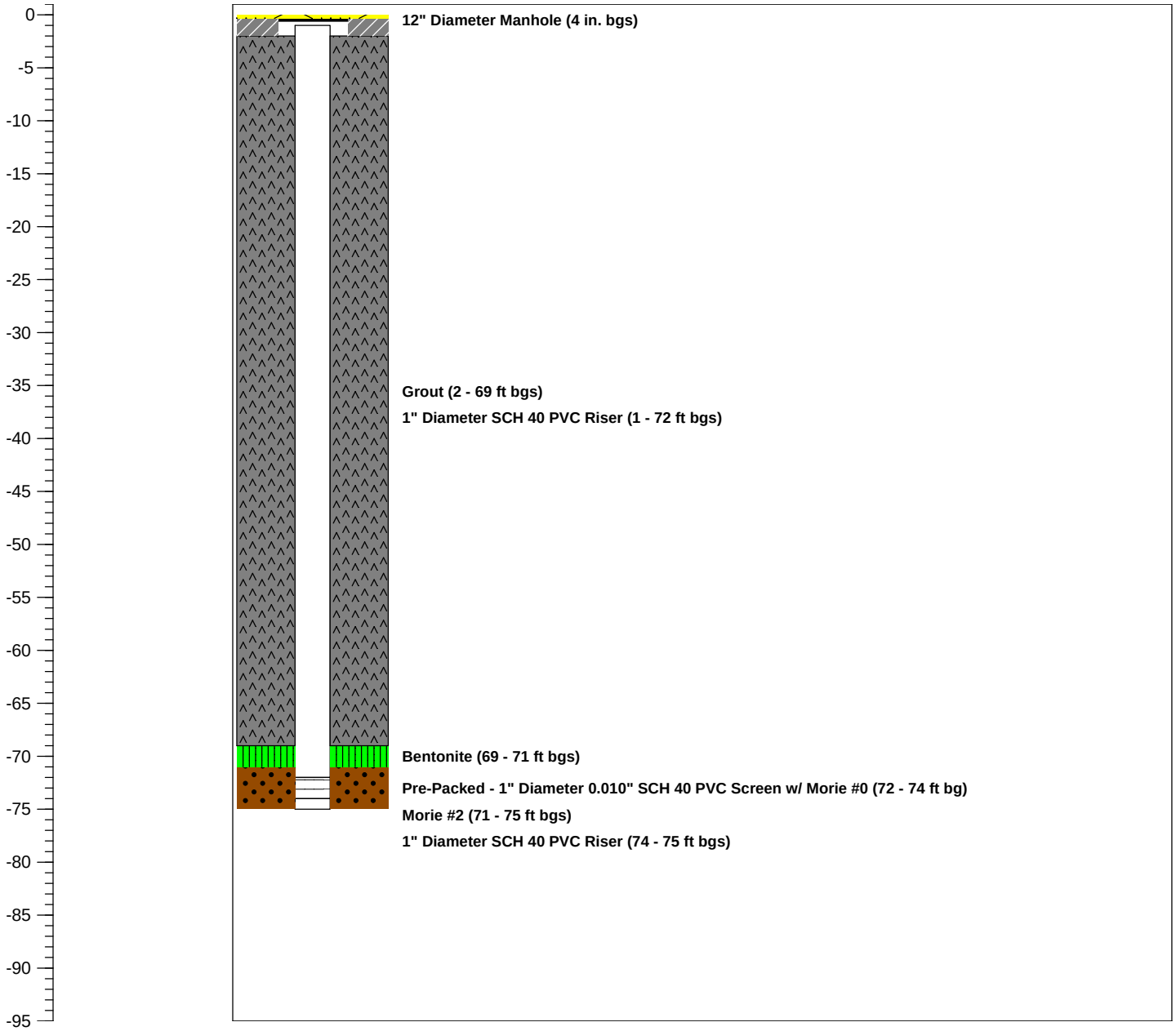
TOTAL DEPTH: **75'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-9S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/8/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

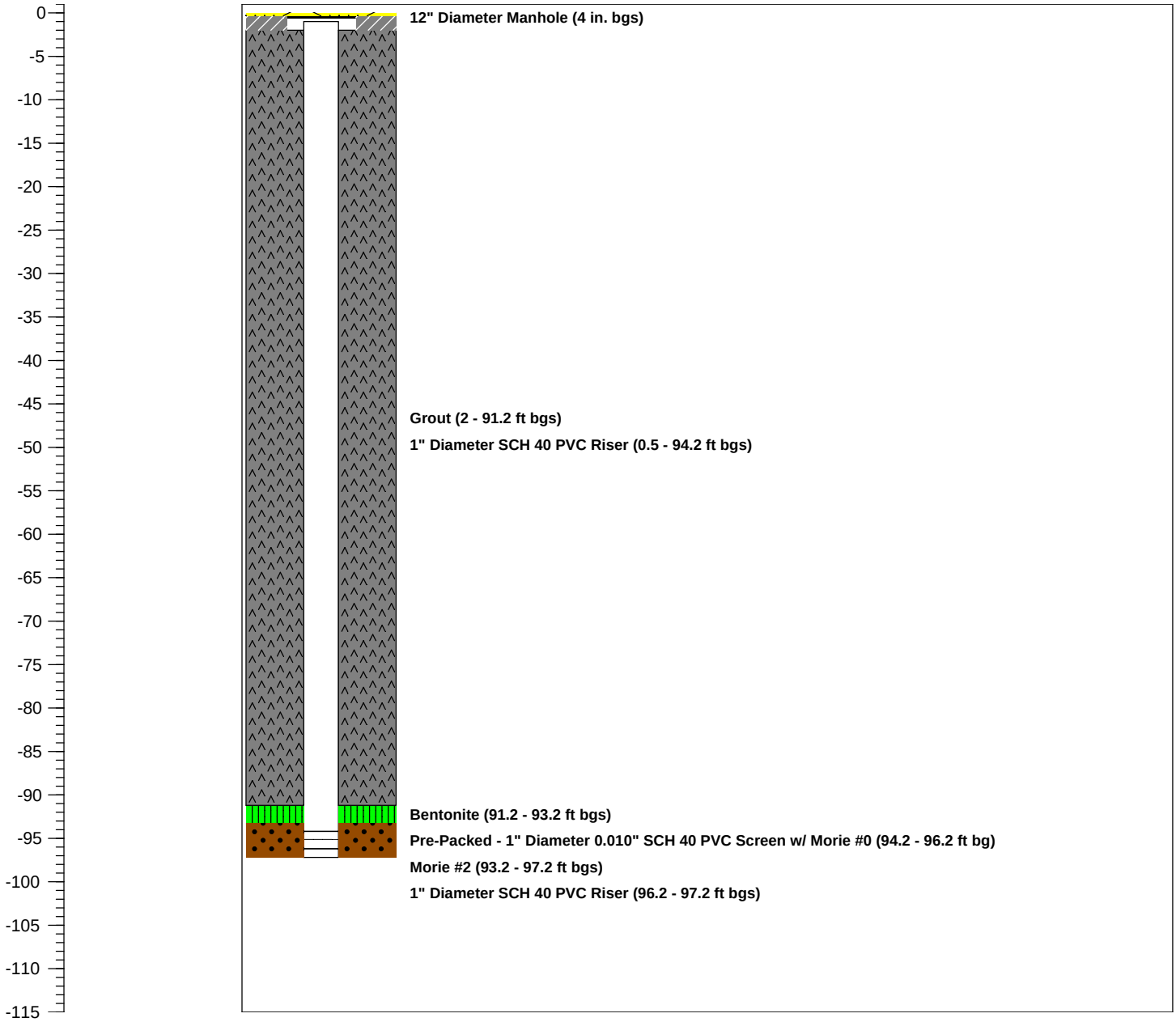
TOTAL DEPTH: **97.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-10D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/8/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

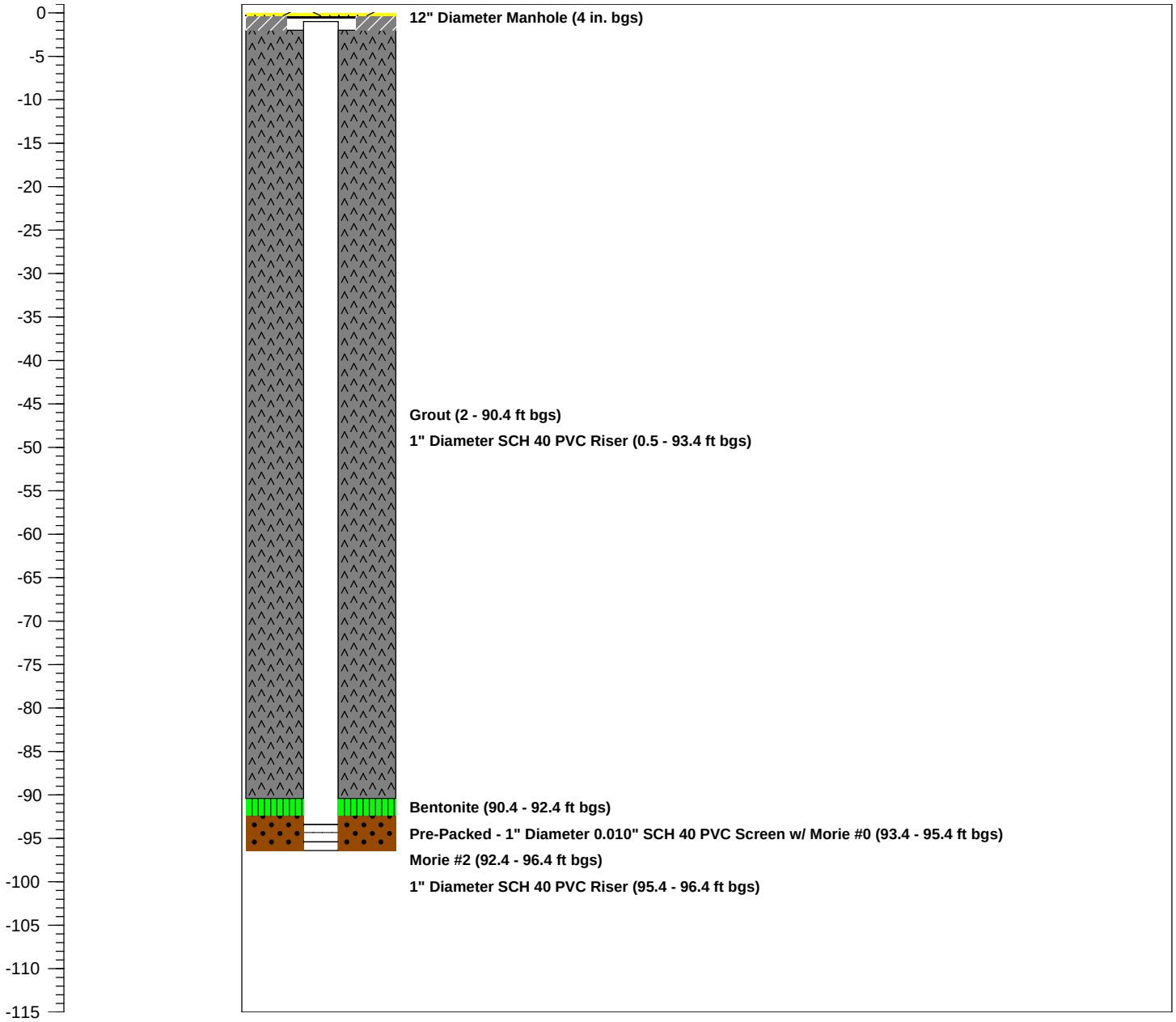
TOTAL DEPTH: **96.4'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-14**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **7/8/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-2-4	Date	7/8/2010	Gallons Recovered	50
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1115	18.15	4.14	0.381	1.5	24.55
1130	18.20	4.47	0.376	1.1	17.15
1145	18.20	4.45	0.370	0.8	15.53
1200	18.20	4.61	0.368	0.6	15.47
1215	18.20	4.50	0.368	0.6	15.40
1230	18.20	4.66	0.370	0.6	15.36

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-2-5	Date	7/8/2010	Gallons Recovered	50
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1345	16.35	5.83	0.379	2.3	15.76
1400	16.43	5.68	0.368	0.8	15.16
1415	16.43	6.24	0.396	0.2	15.15
1430	16.44	6.30	0.393	0.3	15.14
1445	16.44	6.24	0.395	0.2	15.19
1500	16.33	6.12	0.395	0.2	15.17

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date: July 9, 2010	
Weather Conditions:	Sunny ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Matt Briody	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marvin Bell	Glacier Drilling	
Megan Dascoli	URS	
Kirk White	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment

Detailed Summary of Work Performed

Pre-cleared four (4) injection points and tremie grouted two (2) injection points (OW-2-9S and OW-2-10D). Saw cut trench areas that intersect concrete driveway aprons and sidewalks along Hilton Avenue. Removed asphalt from driveway trench areas and transported to Intersection Street staging yard for stockpiling. Continued excavating trench to approximately 36-inches below grade along 158 Hilton Avenue. Reusable excavated soils were stockpiled along side the trench. Excavated soils that were not reusable were transported back to the Intersection Street staging yard for stockpiling. Excavated an additional foot (total depth approximately 48-inches below grade) along the side of the trench in order to install 2-inch diameter electrical conduit. Backfilled electrical conduit with excavated soils and installed detectable tape. Installed tees and ball valves on four (4) injection points (OW-2-22S, OW-2-21, OW-2-20S and OW-2-20D). Developed three (3) injection points (OW-2-47, OW-2-46 and OW-2-45).

Health & Safety

Tailgate Meeting	Observations
Discussed heat stress due to high temperature and trenching safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-45	Date	7/9/2010	Gallons Recovered	12
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1345	Not Measured	8.98	0.596	0.1	18.04
1400	Not Measured	6.34	0.559	0.1	17.34
1415	Not Measured	5.88	0.500	0.0	17.05
1430	Not Measured	5.99	0.493	0.1	16.98
1445	Not Measured	6.01	0.464	0.1	17.02
1500	Not Measured	6.03	0.461	0.0	17.31

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-46	Date	7/9/2010	Gallons Recovered	10
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1130	Not Measured	6.24	0.380	0.2	18.35
1145	Not Measured	5.58	0.385	0.1	17.98
1200	Not Measured	5.71	0.384	0.0	18.11
1215	Not Measured	5.84	0.387	0.0	17.64
1230	Not Measured	5.81	0.386	0.0	18.04
1245	Not Measured	5.82	0.385	0.0	18.32

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-47	Date	7/9/2010	Gallons Recovered	10
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1000	Not Measured	7.96	0.148	1.6	27.71
1015	Not Measured	7.86	0.408	2.9	29.06
1030	Not Measured	6.41	0.353	0.5	20.02
1045	Not Measured	5.21	0.364	0.2	18.48
1100	Not Measured	5.25	0.364	0.0	18.57
1115	Not Measured	5.35	0.363	0.0	19.07

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date: July 12, 2010	
Weather Conditions:	Sunny ~92° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Matt Briody	F&N	
Megan Dascoli	URS	
Kirk White	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment

Detailed Summary of Work Performed

Continued excavating trench to approximately 36-inches below grade along 158 Hilton Avenue. Reusable excavated soils were stockpiled along side the trench. Excavated soils that were not reusable were transported back to the Intersection Street staging yard for stockpiling. Excavated an additional foot (total depth approximately 48-inches below grade) along the side of the trench in order to install 2-inch diameter electrical conduit. Backfilled electrical conduit with excavated soils and installed detectable tape. Installed tees and ball valves on four (4) injection points (OW-2-19, OW-2-18S, OW-2-18D and OW-2-17). Installed approximately 6-inches of fine tank sand in base of trench and compacted with a vibratory plate compactor. Installed 3/4-inch poly oxygen supply lines to injection points OW-2-31, OW-2-30S, OW-2-30D, OW-2-29, OW-2-28S, OW-2-28D, OW-2-27, OW-2-26S, OW-2-26D and OW-2-25. Developed four (4) injection points (OW-2-44, OW-2-43, OW-2-42 and OW-2-41). During the development process, it was determined that injection point OW-2-44 was blocked at approximately 10 feet below grade and will need to be replaced.

Health & Safety

Tailgate Meeting	Observations
Discussed heat stress due to high temperature, excavation safety and bees and stinging insects.	Wasp nest observed in vicinity of work area. Spray was picked up to eliminate the threat of stinging insects.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

No drilling occurred for the day as Glacier's drill crew were in a car accident and didn't arrive at the job site.

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-41	Date	7/12/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1300	Not Measured	7.72	0.442	0.4	18.44
1315	Not Measured	6.32	0.488	0.2	18.46
1330	Not Measured	6.17	0.525	0.1	18.39
1345	Not Measured	6.48	0.528	0.1	18.43
1400	Not Measured	6.36	0.529	0.0	18.68
1415	Not Measured	6.41	0.527	0.0	18.45
1430	Not Measured	6.41	0.525	0.0	18.59
1445	Not Measured	6.37	0.524	0.0	18.66

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-42	Date	7/12/2010	Gallons Recovered	15
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1100	Not Measured	6.38	0.695	0.3	19.49
1115	Not Measured	6.31	0.686	0.2	18.43
1130	Not Measured	6.24	0.741	0.1	18.84
1145	Not Measured	6.35	0.735	0.2	20.12
1200	Not Measured	6.33	0.730	0.3	20.63
1215	Not Measured	6.27	0.726	0.1	19.24
1230	Not Measured	6.27	0.723	0.1	19.62

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-43	Date	7/12/2010	Gallons Recovered	15
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0900	Not Measured	11.63	1.080	1.2	17.90
0915	Not Measured	7.03	0.683	0.1	17.28
0930	Not Measured	6.49	0.652	0.1	17.15
0945	Not Measured	6.41	0.634	0.1	17.09
1000	Not Measured	6.46	0.628	0.1	17.10
1015	Not Measured	6.42	0.612	0.0	16.76
1030	Not Measured	6.42	0.608	0.0	16.80

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-44	Date	7/12/2010	Gallons Recovered	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
	Refusal @ 10 feet				

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date: July 13, 2010	
Weather Conditions:	Overcast w/Heavy Thunderstorms ~85° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Matt Briody	F&N	
Mark Shock	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenberg	Glacier Drilling	
Megan Dascoli	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment

Detailed Summary of Work Performed

Installed two (2) injection points (OW-2-8 and OW-2-9D) to 96.3 feet below grade and 96.7 feet below grade, respectively. Excavated an additional foot (total depth approximately 48-inches below grade) along the side of the trench in order to install 2-inch diameter electrical conduit. Backfilled electrical conduit with excavated soils and installed detectable tape. Installed tees and ball valves on two (2) injection points (OW-2-16S and OW-2-16D). Installed 3/4-inch poly oxygen supply lines to injection points OW-2-24S, OW-2-24D, OW-2-23, OW-2-22S, OW-2-22D, OW-2-21, OW-2-20S, OW-2-20D, OW-2-19, OW-2-18S, OW-2-18D, OW-2-17, OW-2-16S and OW-2-16D. Started measuring and cutting 3/4-inch poly oxygen supply lines for balance of injection points at the Intersection Street staging yard. Developed three (3) injection points (OW-2-40, OW-2-39 and OW-2-38).

Health & Safety

Tailgate Meeting	Observations
Discussed bees and stinging insects and avoiding potential back strain while pulling oxygen supply lines.	Afternoon thunderstorms required work to stop during the early afternoon.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

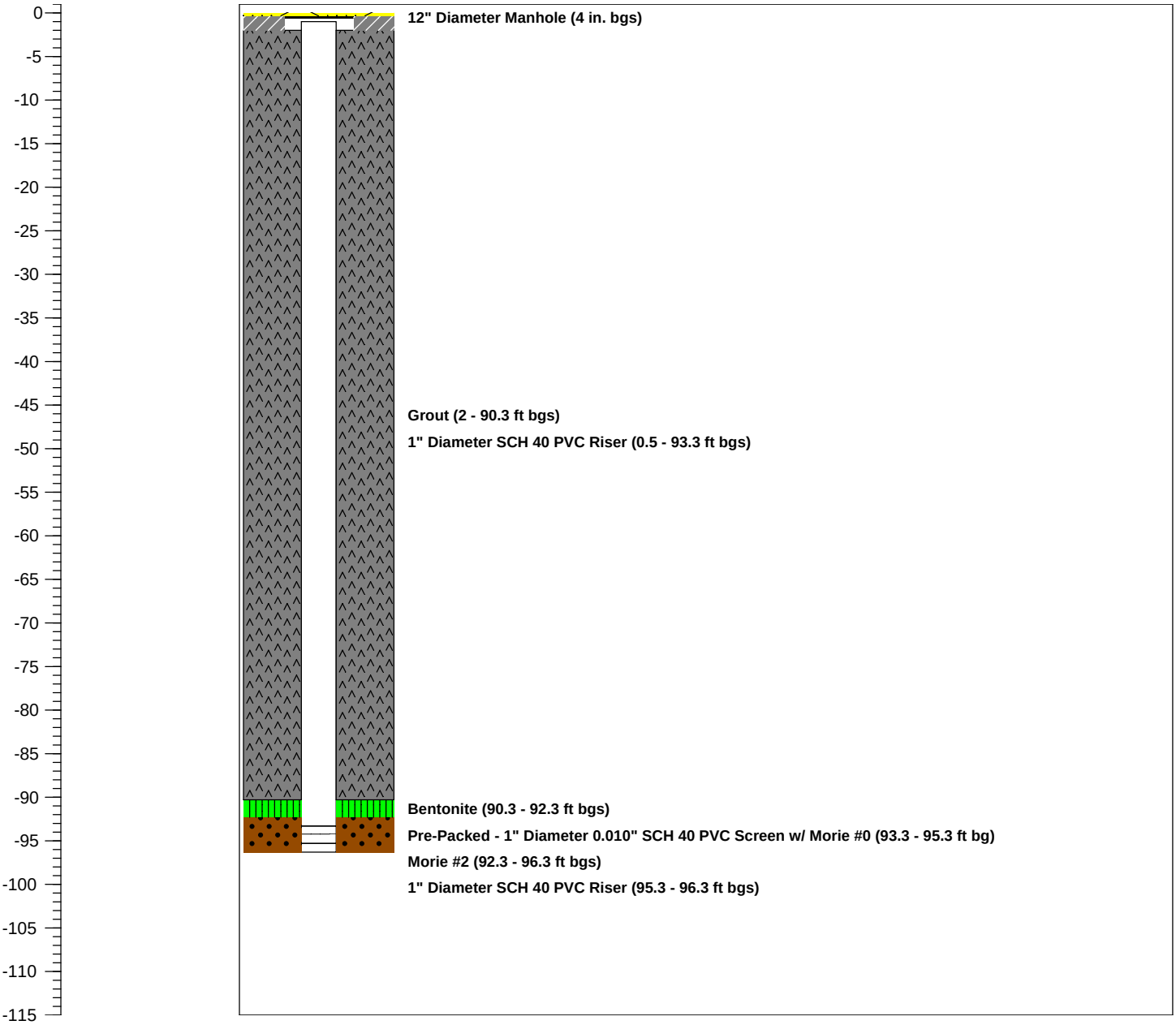
TOTAL DEPTH: **96.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-8**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **7/13/10**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

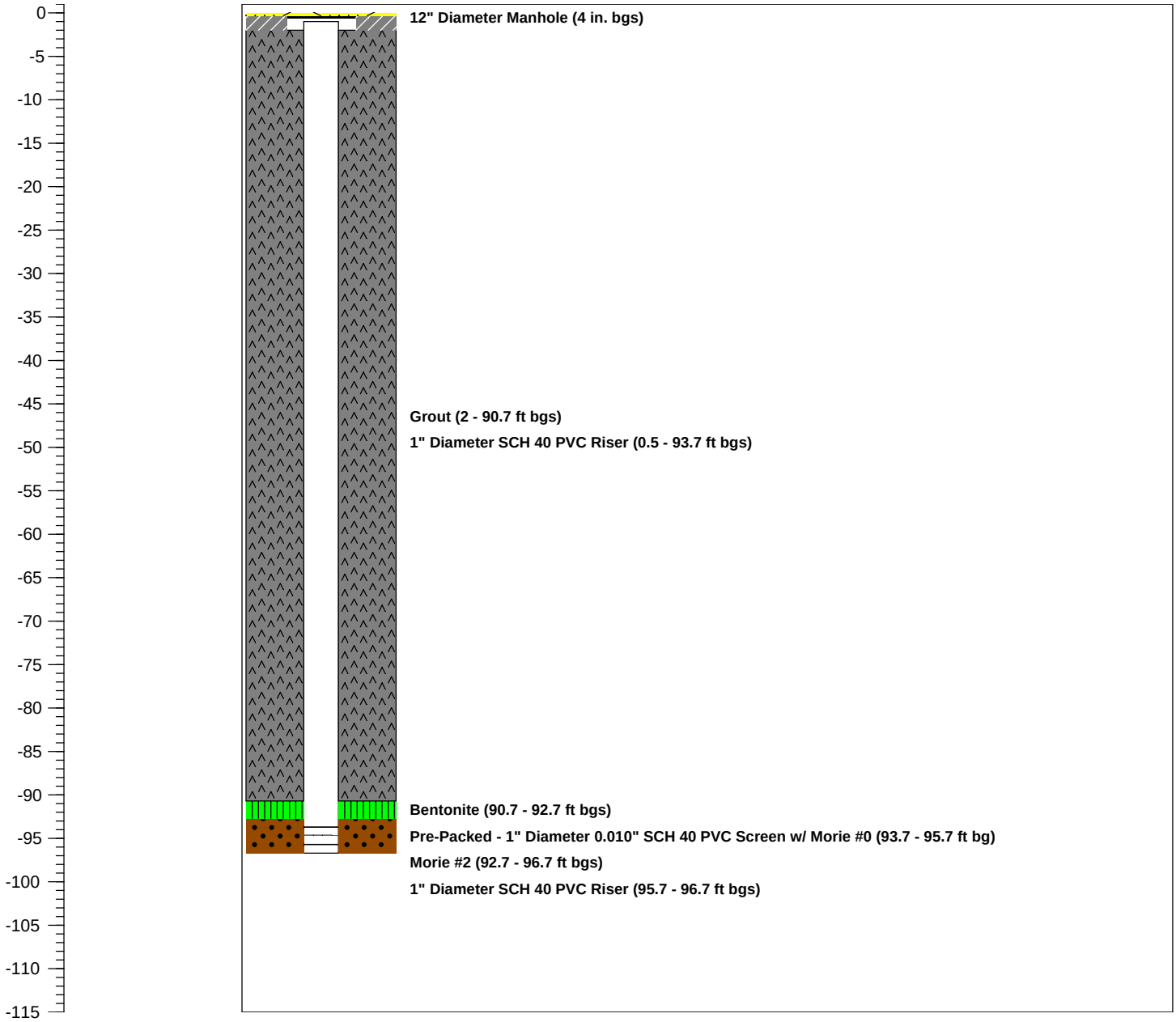
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**96.7'**	WELL NO.:	**OW-2-9D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**7/13/10**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-38	Date	7/13/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1230	Not Measured	10.01	0.461	0.2	21.22
1245	Not Measured	11.03	0.521	0.2	20.63
1300	Not Measured	7.46	0.448	0.1	17.90
1315	Not Measured	6.75	0.420	0.1	18.09
1330	Not Measured	6.54	0.415	0.1	18.16
1345	Not Measured	6.53	0.418	0.0	18.36
1400	Not Measured	6.55	0.420	0.1	18.18
1415	Not Measured	6.41	0.407	0.0	18.42
1430	Not Measured	6.43	0.406	0.0	18.30
1445	Not Measured	6.46	0.408	0.0	18.08

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-39	Date	7/13/2010	Gallons Recovered	15
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1045	Not Measured	9.53	0.306	0.4	17.84
1100	Not Measured	7.24	0.507	0.1	16.85
1115	Not Measured	6.90	0.486	0.0	17.52
1130	Not Measured	6.82	0.474	0.0	17.53
1145	Not Measured	6.75	0.464	0.2	17.28
1200	Not Measured	6.69	0.457	0.1	17.32
1215	Not Measured	6.67	0.453	0.0	17.59

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-40	Date	7/13/2010	Gallons Recovered	15
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0845	Not Measured	10.69	0.389	0.4	22.85
0900	Not Measured	10.55	0.366	0.3	19.15
0915	Not Measured	8.56	0.398	0.0	21.18
0930	Not Measured	7.24	0.455	0.0	21.59
0945	Not Measured	6.81	0.434	0.0	21.12
1000	Not Measured	6.63	0.424	0.0	22.06
1015	Not Measured	6.64	0.423	0.0	19.68

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date: July 14, 2010	
Weather Conditions:	Partly Sunny Humid ~82° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Matt Briody	F&N	
Mark Shock	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenberg	Glacier Drilling	
Megan Dascoli	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment

Detailed Summary of Work Performed

Installed two (2) injection points (OW-2-6 and OW-2-7) to 95.7 feet below grade and 96 feet below grade, respectively. Continued measuring and cutting 3/4-inch poly oxygen supply lines for balance of injection points at the Intersection Street staging yard. Transported five (5) steel road plates to site and off loaded along Hilton Avenue to cover trenches. Developed three (3) injection points (OW-2-37, OW-2-36 and OW-2-35).

Health & Safety

Tailgate Meeting	Observations
Discussed cutting tool safety and traffic control in work areas.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

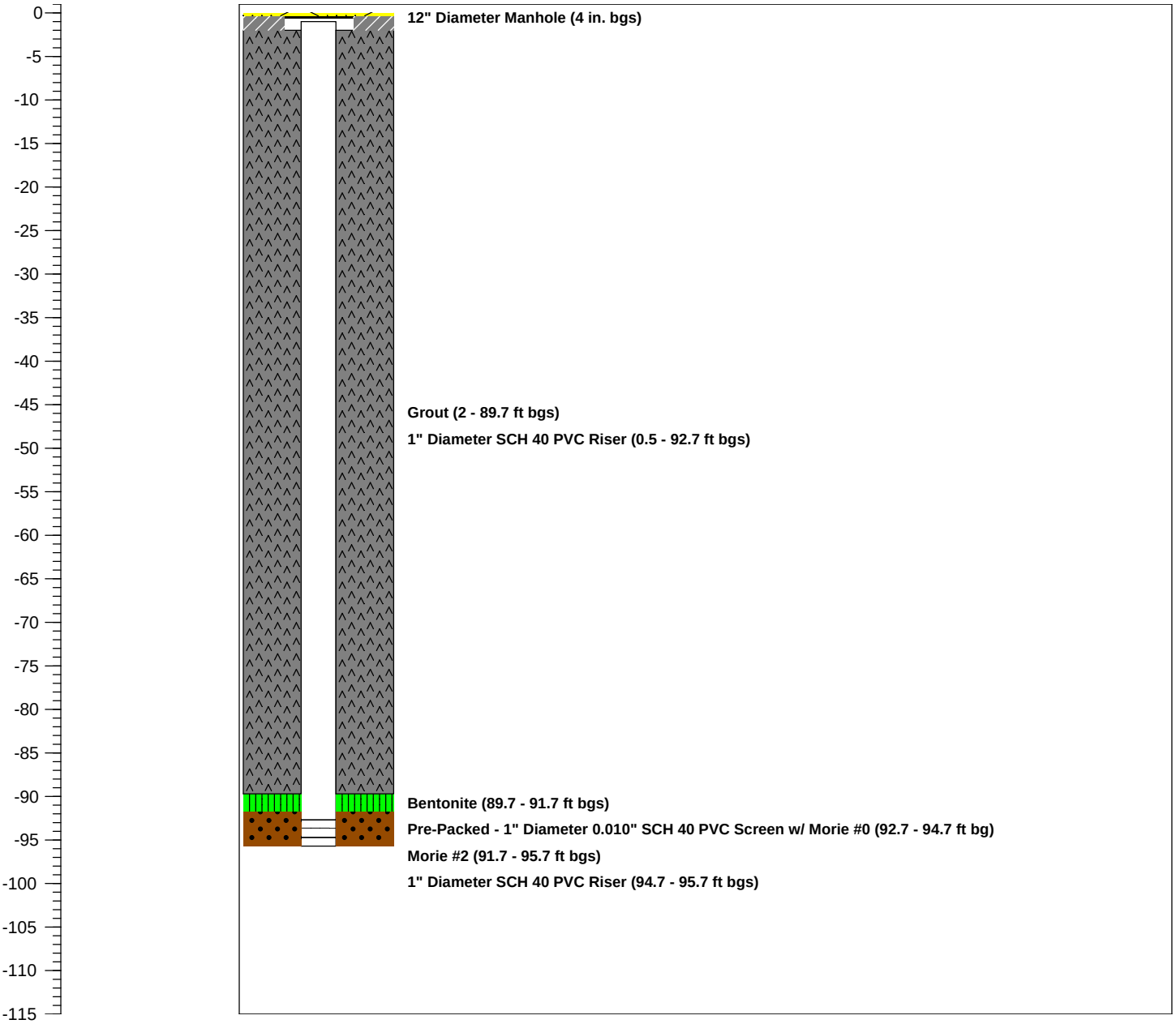
TOTAL DEPTH: **95.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-6**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **7/14/10**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

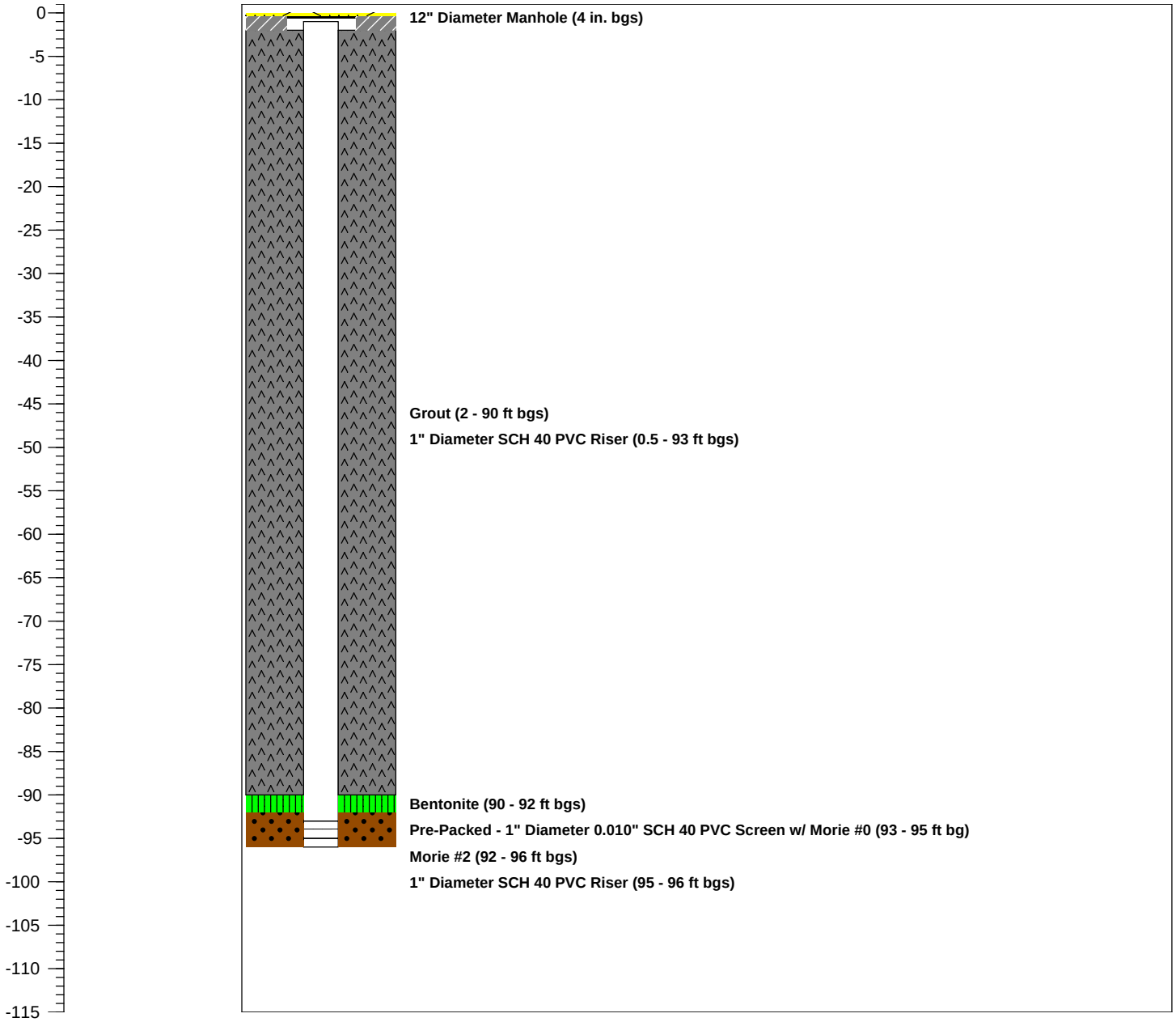
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**96'**	WELL NO.:	**OW-2-7**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**7/14/10**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-35	Date	7/14/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1300	Not Measured	9.72	0.738	0.1	16.59
1315	Not Measured	9.36	0.813	0.5	16.86
1330	Not Measured	7.53	0.746	0.1	17.19
1345	Not Measured	7.10	0.640	0.0	17.18
1400	Not Measured	6.87	0.588	0.0	17.20
1415	Not Measured	6.76	0.563	0.0	17.08
1430	Not Measured	6.69	0.541	0.0	17.34
1500	Not Measured	6.63	0.528	0.0	17.30

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-36	Date	7/14/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1045	Not Measured	11.53	0.995	1.6	18.74
1100	Not Measured	11.15	0.741	1.4	16.62
1115	Not Measured	10.02	0.599	0.3	18.61
1130	Not Measured	9.32	0.585	0.3	19.98
1145	Not Measured	8.77	0.573	0.1	19.33
1200	Not Measured	7.74	0.563	0.1	19.34
1215	Not Measured	7.37	0.564	0.0	19.08
1230	Not Measured	7.21	0.555	0.0	19.09
1245	Not Measured	7.07	0.553	0.1	19.00

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-37	Date	7/14/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0830	Not Measured	11.90	1.530	0.9	17.30
0845	Not Measured	6.85	0.398	0.1	17.34
0900	Not Measured	6.40	0.388	0.1	16.82
0915	Not Measured	6.27	0.385	0.0	16.82
0930	Not Measured	6.35	0.384	0.1	16.78
0945	Not Measured	6.42	0.383	0.3	16.71
1000	Not Measured	6.41	0.381	0.1	16.64
1015	Not Measured	6.44	0.380	0.1	16.93

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date: July 15, 2010	
Weather Conditions:	Partly Sunny Humid ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Matt Briody	F&N	
Mark Shock	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenberg	Glacier Drilling	
Megan Dascoli	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment

Detailed Summary of Work Performed

Installed three (3) injection points (OW-2-3, OW-2-4 and OW-2-5) to 94.3 feet below grade, 94.7 feet below grade and 95.3 feet below grade, respectively. Completed measuring and cutting 3/4-inch poly oxygen supply lines for balance of injection points at the Intersection Street staging yard. Started to lay out poly oxygen supply lines for all injection points in trench along 158 Hilton Avenue. Developed two (2) injection points (OW-2-34 and OW-2-33).

Health & Safety

Tailgate Meeting	Observations
Discussed heat stress due to hot weather, cutting tool safety and slip trip and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

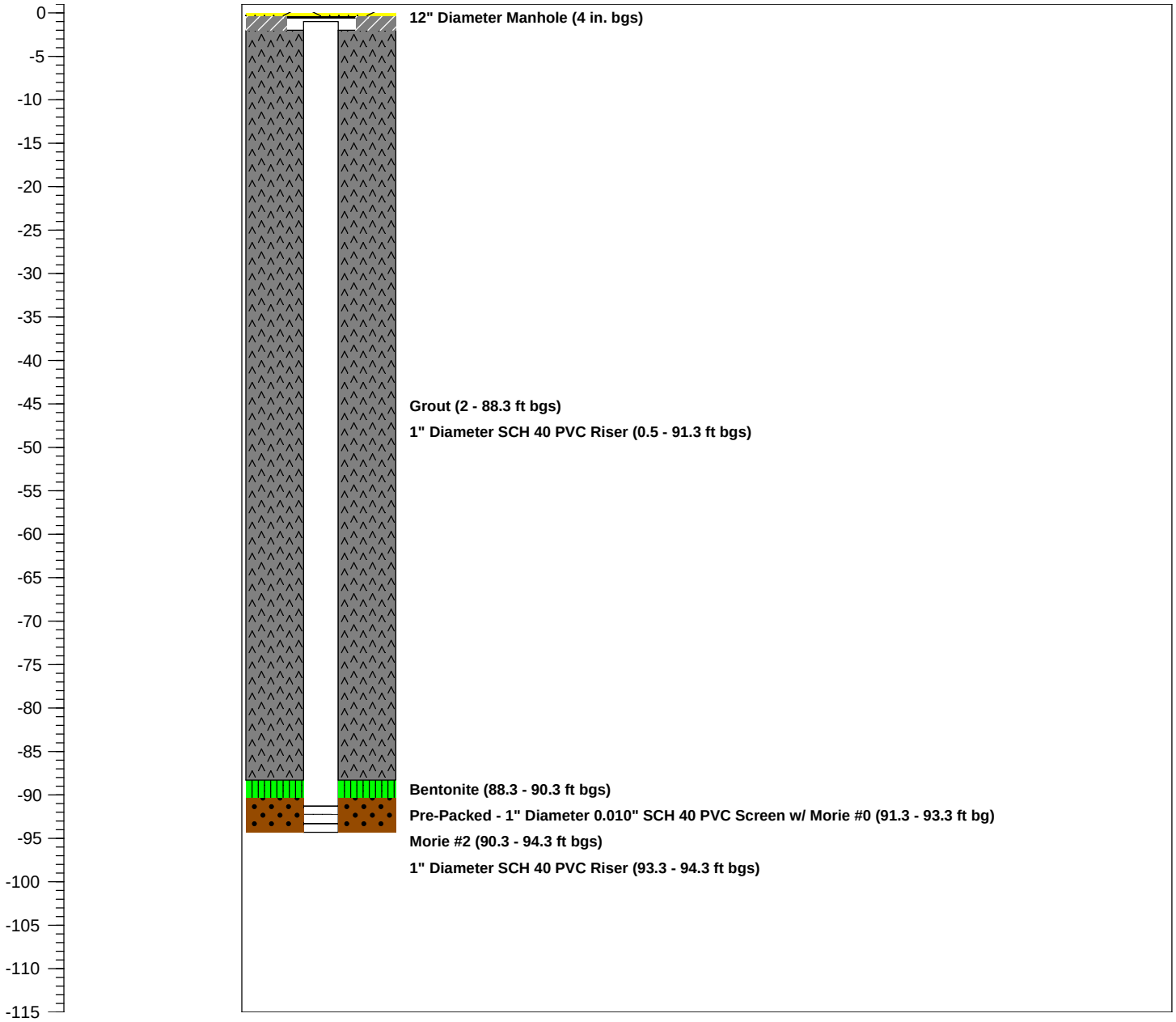
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**94.3'**	WELL NO.:	**OW-2-3**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**7/15/10**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

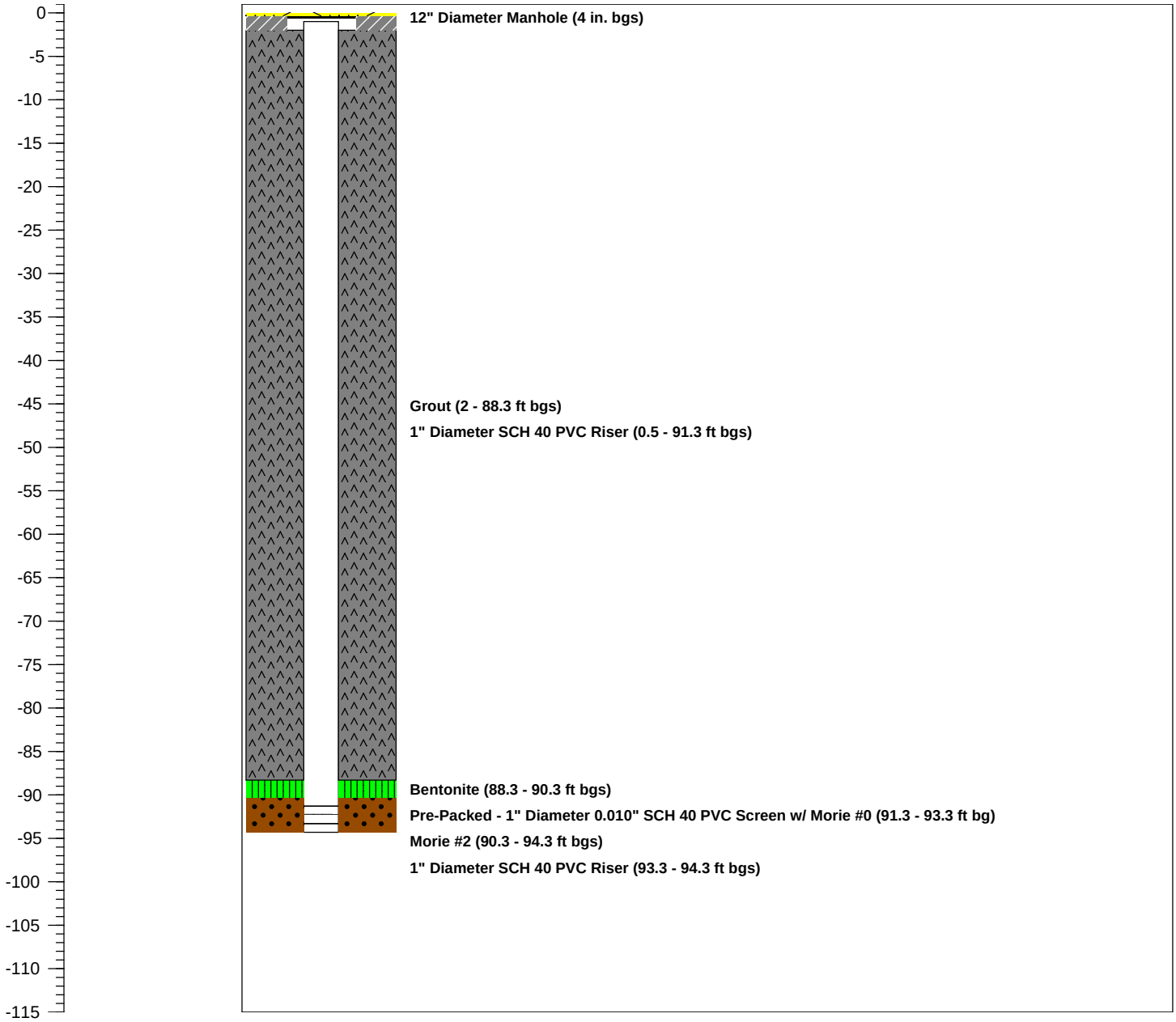
TOTAL DEPTH: **94.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-4**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **7/15/10**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

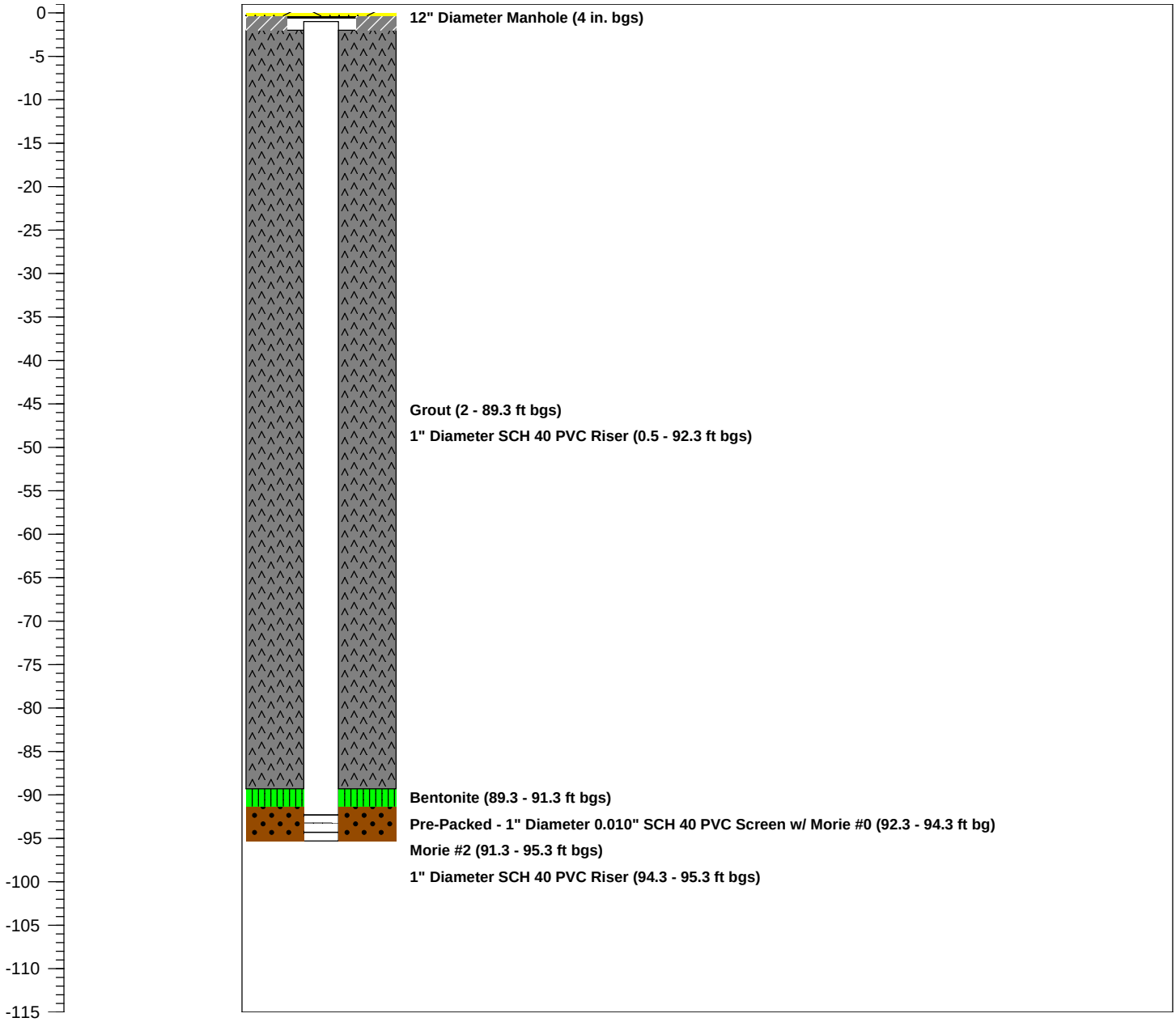
TOTAL DEPTH: **95.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-5**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/15/10**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-33	Date	7/15/2010	Gallons Recovered	25
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1300	Not Measured	8.94	0.215	0.1	16.98
1315	Not Measured	7.01	0.348	0.0	16.10
1330	Not Measured	6.71	0.369	0.1	16.35
1345	Not Measured	6.71	0.376	0.1	16.18
1400	Not Measured	6.33	0.393	0.1	16.35
1415	Not Measured	6.37	0.410	0.0	16.35
1430	Not Measured	6.37	0.413	0.0	16.39
1445	Not Measured	6.37	0.410	0.1	16.44
1500	Not Measured	6.35	0.402	0.1	16.48

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-34	Date	7/15/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0930	Not Measured	7.66	0.481	0.2	16.32
0945	Not Measured	6.41	0.603	0.1	15.89
1000	Not Measured	6.25	0.644	0.1	15.78
1015	Not Measured	6.24	0.658	0.0	15.89
1030	Not Measured	6.24	0.667	0.1	15.89
1045	Not Measured	6.24	0.671	0.1	15.88
1100	Not Measured	6.24	0.675	0.2	15.84
1115	Not Measured	6.24	0.676	0.1	15.86
1130	Not Measured	6.26	0.677	0.0	15.19
1145	Not Measured	6.24	0.677	0.0	15.84
1200	Not Measured	6.24	0.678	0.0	15.93

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date: July 16, 2010	
Weather Conditions:	Sunny Humid ~95° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Matt Briody	F&N	
Mark Shock	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marcellinus Zwijnenberg	Glacier Drilling	
Megan Dascoli	URS	
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment

Detailed Summary of Work Performed

Installed one (1) injection point (OW-2-2) to 90.2 feet below grade. Continued to lay out poly oxygen supply lines for all injection points in trench along 158 Hilton Avenue. Started backfilling trench with fine tank sand to approximately 12-inches above the top of the poly oxygen supply line bundles and compacted with a vibratory plate compactor. Developed two (2) injection points (OW-2-32 and OW-2-31).

Health & Safety

Tailgate Meeting	Observations
Discussed heat stress due to hot weather, cutting tool safety and slip trip and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

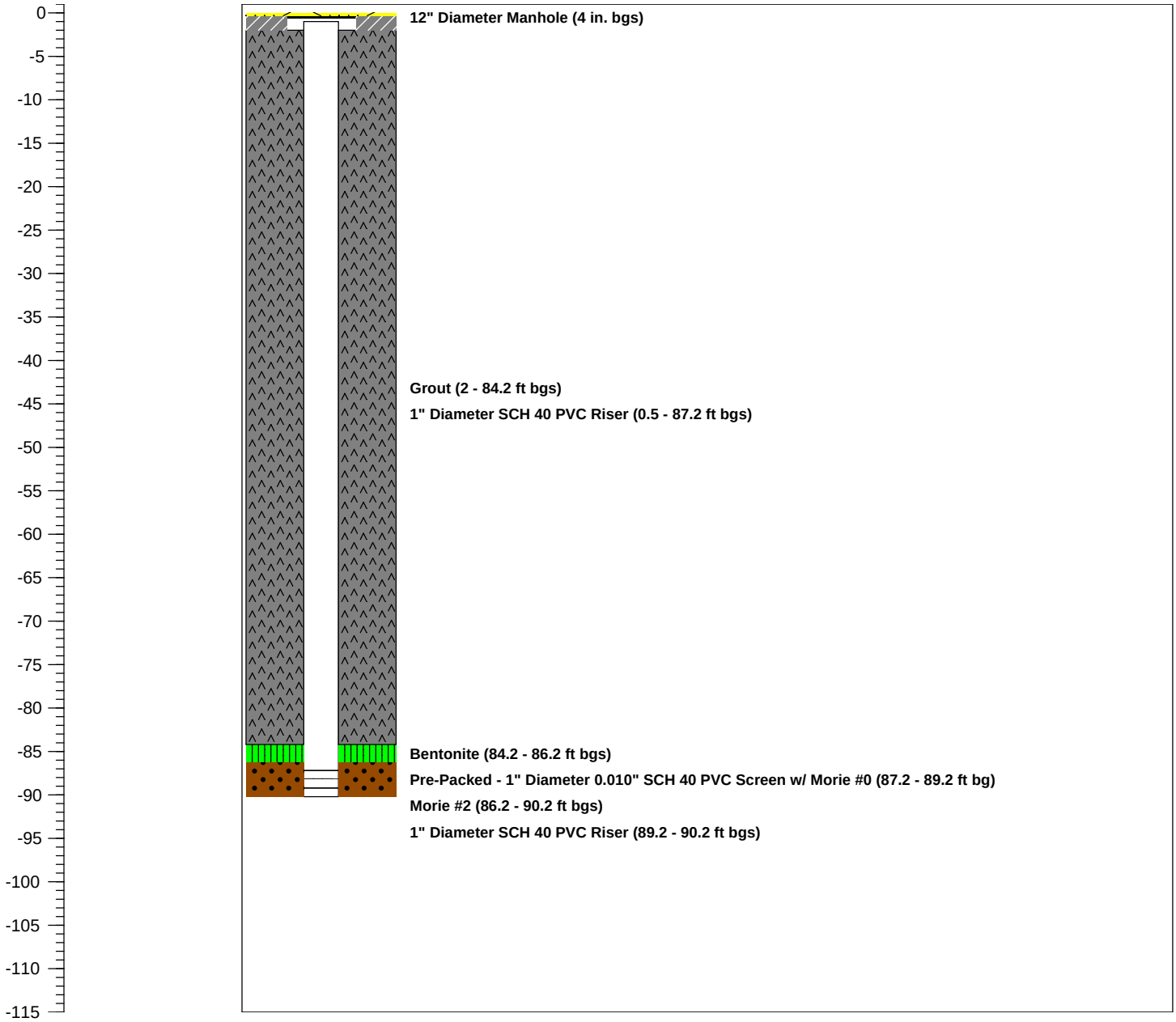
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**90.2'**	WELL NO.:	**OW-2-2**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**7/16/10**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-31	Date	7/16/2010	Gallons Recovered	25
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1145	Not Measured	9.33	0.867	0.1	16.67
1200	Not Measured	6.81	0.763	0.1	17.52
1215	Not Measured	6.80	0.756	0.1	17.15
1230	Not Measured	6.76	0.755	0.1	17.17
1315	Not Measured	6.50	0.719	0.0	17.23
1330	Not Measured	6.22	0.616	0.0	17.06
1345	Not Measured	6.04	0.549	0.0	17.21
1400	Not Measured	6.02	0.499	0.0	17.43
1415	Not Measured	6.02	0.498	0.0	17.42
1430	Not Measured	6.09	0.480	0.0	17.44
1445	Not Measured	6.10	0.477	0.0	17.29

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-32	Date	7/16/2010	Gallons Recovered	25
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0900	Not Measured	11.61	1.120	0.1	16.16
0915	Not Measured	10.37	0.737	0.2	16.12
0930	Not Measured	9.75	0.603	0.1	16.18
0945	Not Measured	9.05	0.578	0.0	16.24
1000	Not Measured	7.42	0.517	0.0	16.24
1015	Not Measured	7.44	0.497	0.0	16.28
1030	Not Measured	7.32	0.489	0.0	16.30
1045	Not Measured	7.10	0.475	0.0	16.28
1100	Not Measured	6.94	0.461	0.0	16.35
1115	Not Measured	6.75	0.442	0.0	16.35

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date: July 19, 2010	
Weather Conditions:	Sunny, Scattered Thunderstomes ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Continued excavating and installed electrical conduit to base of utility pole. Excavated soils were transported back to the Intersection Street staging yard. Installed steel road plate over sidewalk areas near utility pole between 158 & 160 Hilton Avenue. Soil Mechanics conducted compaction testing along backfilled portions of trench along the 158 Hilton Avenue property. Started to pressure testing poly oxygen supply lines and well head fittings. Developed three (3) injection points (OW-2-30S, OW-2-30D and OW-2-29).

Health & Safety

Tailgate Meeting	Observations
Discussed heat stress due to hot weather, slips, trips and falls and traffic & pedestrian awareness.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-29	Date	7/19/2010	Gallons Recovered	15
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1345	Not Measured	11.07	0.578	0.2	19.53
1400	Not Measured	9.99	0.508	0.1	17.98
1415	Not Measured	8.22	0.500	0.1	18.06
1430	Not Measured	7.16	0.454	0.1	18.11
1445	Not Measured	6.86	0.455	0.1	17.81
1500	Not Measured	6.54	0.422	0.1	17.97

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-30S	Date	7/19/2010	Gallons Recovered	15
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1115	Not Measured	6.62	0.311	0.8	18.24
1130	Not Measured	6.20	0.325	0.3	16.96
1145	Not Measured	6.12	0.339	0.4	16.99
1200	Not Measured	6.08	0.352	0.3	17.36
1215	Not Measured	6.07	0.359	0.1	17.32
1230	Not Measured	6.07	0.361	0.0	18.00
1245	Not Measured	6.06	0.362	0.0	17.85

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-30D	Date	7/19/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0900	Not Measured	11.31	1.060	0.2	16.69
0915	Not Measured	8.94	0.457	0.1	16.28
0930	Not Measured	7.74	0.454	0.1	16.79
0945	Not Measured	7.46	0.439	0.0	16.29
1000	Not Measured	7.23	0.428	0.0	16.24
1015	Not Measured	6.60	0.414	0.0	16.35
1030	Not Measured	6.63	0.414	0.0	18.67
1045	Not Measured	6.66	0.414	0.0	17.80
1100	Not Measured	6.66	0.416	0.0	17.65

Inspector: C. DIERCKS Project: 158 HILTON AVE

Today's Date: 7/19/10

Test Number	Wet Density	% Moisture	Dry Density	Maximum Density	% Compaction Achieved	% Compaction Required	Elevation & Location of Test
1	101.2	3.4	92.85	115	85.1	85%	2' BELOW GRADE
2	102	3.5	98.1	115	86.3	85%	2' BELOW GRADE #2 WALL
3	101.1	3.5	98	115	85.5	85%	2' BELOW GRADE
4	116	6.1	110	115	95.1	95	2' BELOW GRADE
5	116	6.0	111	115	95.6	95	2' BELOW GRADE

As of Sept 11, 2000

Template/Quality Sheet

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date: July 20, 2010	
Weather Conditions:	Mostly Sunny ~88° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Transported and temporarily installed 12-inch diameter manholes at each injection point along 158 Hilton Avenue in order to continue backfilling. Continued backfilling trench with fine tank sand in approximately 12-inch lifts and compacted with vibratory plate compactor to approximately 12-inches below grade. Installed tracer wire and detectable tape at approximately 18-inches below grade. Excavated area on northwest corner of 158 Hilton Avenue and installed a 24-inch x 18-inch fiberglass electric splice box. Continued pressure testing poly oxygen supply lines and well head fittings. Developed three (3) injection points (OW-2-28S, OW-2-28D and OW-2-27).

Health & Safety

Tailgate Meeting	Observations
Discussed back injury prevention, heat stress due to hot weather and cutting tool use.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-27	Date	7/20/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1315	Not Measured	9.42	0.375	0.4	18.52
1330	Not Measured	9.49	0.372	0.7	18.35
1345	Not Measured	8.19	0.353	0.2	17.38
1400	Not Measured	6.69	0.321	0.2	17.23
1415	Not Measured	6.30	0.319	0.1	17.30
1430	Not Measured	6.18	0.319	0.0	17.46
1445	Not Measured	6.10	0.318	0.0	17.46
1500	Not Measured	6.07	0.311	0.0	17.56

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-28S	Date	7/20/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1100	Not Measured	6.65	0.456	3.5	19.25
1115	Not Measured	6.19	0.441	0.4	18.07
1130	Not Measured	6.39	0.492	0.7	17.72
1145	Not Measured	6.27	0.459	0.2	17.76
1200	Not Measured	6.17	0.441	0.1	17.39
1215	Not Measured	6.09	0.421	0.1	17.22
1230	Not Measured	6.06	0.416	0.1	17.21
1245	Not Measured	6.04	0.414	0.0	17.08

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-28D	Date	7/20/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0900	Not Measured	9.89	0.339	1.6	17.17
0915	Not Measured	8.07	0.336	0.4	18.07
0930	Not Measured	7.34	0.314	0.2	19.20
0945	Not Measured	6.73	0.313	0.0	17.01
1000	Not Measured	6.46	0.310	0.0	17.10
1015	Not Measured	6.18	0.296	0.0	17.05
1030	Not Measured	6.18	0.299	0.0	17.15
1045	Not Measured	6.11	0.292	0.0	16.97

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date: July 21, 2010	
Weather Conditions:	Sunny, Hot ~94° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Continued backfilling trench with fine tank sand in approximately 12-inch lifts and compacted with vibratory plate compactor to approximately 12-inches below grade. Developed two (2) injection points (OW-2-18S and OW-2-18D).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas and heat stress due to hot weather.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-18S	Date	7/21/2010	Gallons Recovered	20	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0930	Not Measured	9.06	0.588	0.4	18.81	Heavy Silt
0945	Not Measured	6.81	0.538	0.3	18.05	Light Silt
1000	Not Measured	6.67	0.529	0.1	17.90	Clear
1015	Not Measured	6.58	0.521	0.1	18.24	Clear
1030	Not Measured	6.60	0.525	0.0	18.20	Clear
1045	Not Measured	6.61	0.521	0.0	18.21	Clear
1100	Not Measured	6.62	0.519	0.0	18.29	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-18D	Date	7/21/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1115	Not Measured	10.89	0.339	0.1	23.92	Light Silt
1130	Not Measured	10.91	0.700	0.0	22.05	Light Silt
1145	Not Measured	9.75	0.649	0.0	20.19	Light Silt
1200	Not Measured	9.63	0.494	0.0	21.09	Light Silt
1215	Not Measured	8.66	0.477	0.0	20.78	Light Silt
1230	Not Measured	8.13	0.471	0.0	21.14	Light Silt
1245	Not Measured	7.04	0.452	0.0	22.85	Light Silt
1300	Not Measured	7.00	0.448	0.0	22.94	Light Silt
1315	Not Measured	7.00	0.449	0.0	22.92	Light Silt

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date: July 22, 2010	
Weather Conditions:	Sunny, Hot ~94° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck, Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Soil Mechanics conducted compaction testing along backfilled portions of trench along the 158 Hilton Avenue property. Started to grade and cleanup work areas along the 158 Hilton Avenue property. Excavated around injection point manholes and set each manhole at approximately 4-inches below grade with cement. Recieved delivery of 12-inch diameter pipe for driveway and road crossings. Developed three (3) injection points (OW-2-16D, OW-2-17 and OW-2-19).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, heat stress due to hot weather and operating machinery safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-16D	Date	7/22/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1345	Not Measured	11.31	0.747	0.4	18.94	Silty
1400	Not Measured	9.19	0.454	0.1	18.41	Silty
1415	Not Measured	8.22	0.456	0.1	18.15	Cloudy
1430	Not Measured	7.88	0.455	0.0	18.05	Cloudy
1445	Not Measured	7.63	0.453	0.0	18.17	Cloudy
1500	Not Measured	7.43	0.455	0.0	18.12	Cloudy

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-17	Date	7/22/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1130	Not Measured	11.54	0.797	0.1	21.41	Clear
1145	Not Measured	11.33	0.565	0.1	17.98	Silty
1200	Not Measured	11.32	0.571	0.1	19.64	Cloudy
1215	Not Measured	10.59	0.361	0.0	20.10	Cloudy
1230	Not Measured	10.71	0.369	0.0	20.38	Cloudy
1300	Not Measured	10.09	0.337	0.0	20.20	Cloudy
1315	Not Measured	10.13	0.336	0.0	20.73	Cloudy
1330	Not Measured	10.06	0.334	0.0	19.19	Cloudy

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-19	Date	7/22/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0830	Not Measured	7.05	0.395	0.1	17.64	Silty
0845	Not Measured	6.90	0.366	0.0	17.27	Cloudy
0900	Not Measured	6.17	0.335	0.3	17.83	Cloudy
0915	Not Measured	6.15	0.329	0.1	18.27	Cloudy
0930	Not Measured	6.14	0.333	0.0	18.26	Clear
0945	Not Measured	6.14	0.326	0.0	18.46	Clear
1000	Not Measured	6.12	0.321	0.0	18.61	Clear

Inspector: ANDREW K

Project: 158 HOWARD HOMESTEAD

Today's Date: 7/22 - FINNEY + NICOL

Test Number	Wet Density	% Moisture	Dry Density	Maximum Density	% Compaction Achieved	% Compaction Required	Elevation & Location of Test
1	120.1	7.1	116.6		84.1	85%	
2	122.3	6.9	117.8		88.9	85%	
3	121.1	5.1	119.1		96.7	95%	
4	120.3	6.9	120.1		96.2		
5	119.6	7.1	119.6		94.7		
6	120.1	6.9	121.3		96.1		

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date: July 23, 2010	
Weather Conditions:	Sunny, Hot ~94° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Continued to grade and cleanup work areas along the 158 Hilton Avenue property. Completed setting injection point manholes at approximately 4-inches below grade with cement. Installed shoulder closure signs along right of way of Hilton Avenue. Electrician on-site to install wood H-Frame for electric meter and disconnect switch. Developed two (2) injection points (OW-2-16S and OW-2-15D).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, heat stress due to hot weather and housekeeping.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-15D	Date	7/23/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1130	Not Measured	11.56	0.839	0.0	18.15	Silty
1145	Not Measured	9.94	0.578	0.0	18.19	Silty
1200	Not Measured	7.41	0.581	0.0	17.41	Silty
1215	Not Measured	7.15	0.617	0.0	18.63	Silty
1230	Not Measured	7.16	0.620	0.0	18.41	Silty
1300	Not Measured	7.34	0.628	0.1	18.23	Silty
1315	Not Measured	7.60	0.635	0.0	17.83	Silty
1330	Not Measured	6.92	0.568	0.1	17.94	Silty
1345	Not Measured	6.64	0.531	0.1	17.41	Silty
1400	Not Measured	6.46	0.529	0.0	17.44	Silty
1415	Not Measured	6.43	0.530	0.0	18.24	Silty
1430	Not Measured	6.46	0.525	0.0	17.93	Silty

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-16S	Date	7/23/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0900	Not Measured	9.56	0.419	0.3	20.59	Silty
0915	Not Measured	7.02	0.665	0.4	16.51	Clear
0930	Not Measured	6.91	0.673	0.3	16.34	Clear
0945	Not Measured	6.82	0.670	0.4	16.26	Clear
1000	Not Measured	6.83	0.670	0.7	16.32	Clear
1015	Not Measured	6.82	0.668	0.5	16.35	Clear
1030	Not Measured	6.82	0.670	0.4	16.37	Clear

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date: July 26, 2010	
Weather Conditions:	Sunny ~85° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Started work site setup activities in order to conduct excavation along Hilton Avenue right of way. Pre-cleared and cut back sprinklers along work area and installed temporary snow fencing. Developed two (2) injection points (OW-2-15S and OW-2-14).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, traffic control and stinging insects.	An unmarked splice box for the electric service to 160 Hilton Avenue was discovered while pre-clearing the sprinklers along the right of way. New mark outs were called in for the entire work area to refresh existing utility marks.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Called in public utility markouts for 158 Hilton Avenue, Hilton Avenue and Kensington Court.

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-15S	Date	7/26/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0930	Not Measured	8.54	0.551	0.0	17.49	Very Silty
0945	Not Measured	8.23	0.523	0.0	17.10	Very Silty
1000	Not Measured	8.05	0.516	0.0	16.20	Very Silty
1015	Not Measured	7.06	0.579	0.0	16.58	Silty
1030	Not Measured	7.03	0.577	0.2	16.52	Silty
1045	Not Measured	6.99	0.577	0.2	16.47	Clear
1100	Not Measured	6.99	0.576	0.1	16.49	Clear
1115	Not Measured	7.02	0.574	0.1	16.47	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-14	Date	7/26/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1200	Not Measured	11.21	0.605	0.0	18.71	Very Silty
1215	Not Measured	7.47	0.441	0.0	17.12	Silty
1230	Not Measured	7.36	0.453	0.0	17.31	Silty
1300	Not Measured	7.11	0.463	0.0	17.80	Silty
1315	Not Measured	6.91	0.454	0.0	18.50	Silty
1330	Not Measured	8.24	0.466	0.1	18.99	Very Silty
1345	Not Measured	7.08	0.474	0.1	19.19	Very Silty
1400	Not Measured	6.55	0.401	0.1	18.04	Very Silty
1415	Not Measured	6.35	0.379	0.0	17.85	Silty
1430	Not Measured	6.22	0.371	0.0	17.71	Silty
1445	Not Measured	6.21	0.364	0.0	17.60	Silty

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date: July 27, 2010	
Weather Conditions:	Sunny ~85° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Removed concrete apron at 160 Hilton Avenue. Excavated trench to approximately 36-inches below grade. Removed concrete and excavated soils were transported back to the Intersection Street staging yard for stockpiling. Bedded trench with approximately 6-inches of fine tank sand and compacted with a vibratory plate compactor. Installed 12-inch diameter sch 40 PVC pipe and backfilled with fine tank sand in 6-inch lifts and compacted with vibratory plate compactor to approximately 12-inches below grade. Installed detectable tape at approximately 12-inches below grade. Installed approximately 12-inches of RCA and compacted with vibratory plate compactor. Finished work area in driveway with temporary asphalt cold patch. Developed two (2) injection points (OW-2-20S and OW-2-20D).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, traffic control, housekeeping and public awareness.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Preservative for 15-min eye-wash station delivered to site in the afternoon.

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-20S	Date	7/27/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0945	Not Measured	10.99	0.502	1.4	20.62	Silty
1000	Not Measured	10.63	0.543	0.3	18.56	Silty
1015	Not Measured	7.42	0.564	0.3	18.29	Silty
1030	Not Measured	6.68	0.495	0.5	17.89	Cloudy
1045	Not Measured	6.49	0.475	0.0	18.29	Cloudy
1100	Not Measured	6.30	0.456	0.1	17.53	Cloudy
1115	Not Measured	6.21	0.442	0.0	17.53	Cloudy
1130	Not Measured	6.14	0.437	0.4	17.51	Cloudy
1145	Not Measured	6.20	0.438	0.1	17.60	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-20D	Date	7/27/2010	Gallons Recovered	20	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1215	Not Measured	8.55	0.365	4.6	22.60	Very Silty
1230	Not Measured	7.61	0.377	0.2	20.98	Silty
1245	Not Measured	7.19	0.378	0.3	22.95	Silty
1300	Not Measured	6.94	0.349	0.1	19.66	Silty
1315	Not Measured	6.75	0.332	0.1	19.06	Silty
1330	Not Measured	6.52	0.319	0.1	18.68	Silty
1400	Not Measured	6.65	0.326	0.1	17.96	Silty
1415	Not Measured	6.53	0.330	0.0	17.60	Silty
1430	Not Measured	6.66	0.367	0.0	19.13	Cloudy
1445	Not Measured	6.57	0.334	0.0	18.64	Cloudy

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date: July 28, 2010	
Weather Conditions:	Sunny ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Continued excavating trench to approximately 36-inches below grade along the right of way of Hilton Avenue. Excavated soils were transported back to the Intersection Street staging yard for stockpiling. Bedded trench with approximately 6-inches of fine tank sand and compacted with a vibratory plate compactor. Installed tees and ball valves on two (2) injection points (OW-2-15S and OW-2-15D). Developed three (3) injection points (OW-2-21, OW-2-22S and OW-2-22D).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, traffic control, barricading & site security.	URS requested that plywood be installed in the trench along the right of way of Hilton Avenue to barricade the sidewalk. 15 Minute eyewash station was repaired.

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-21	Date	7/28/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0900	31.00	9.34	0.395	1.0	19.61	Silty
0915	Not Measured	9.31	0.503	1.1	18.85	Silty
0930	Not Measured	9.10	0.496	0.1	18.92	Silty
0945	Not Measured	9.16	0.493	0.1	18.63	Silty
1000	Not Measured	9.03	0.487	0.0	18.42	Cloudy
1015	Not Measured	7.55	0.389	0.1	18.33	Cloudy
1030	Not Measured	7.05	0.355	0.0	18.00	Cloudy
1045	Not Measured	6.92	0.348	0.0	17.99	Clear
1100	Not Measured	6.81	0.343	0.0	18.25	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-22D	Date	7/28/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1315	31.00	10.63	0.451	0.4	21.84	Clear
1330	Not Measured	10.46	0.002	0.4	20.88	Silty
1345	Not Measured	10.39	0.002	0.2	21.18	Silty
1400	Not Measured	10.44	0.425	0.2	18.82	Silty
1415	Not Measured	9.45	0.390	0.1	18.09	Silty
1430	Not Measured	8.33	0.384	0.0	18.06	Cloudy
1445	Not Measured	7.94	0.380	0.2	17.91	Clear

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date: July 29, 2010	
Weather Conditions:	Sunny ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Continued excavating trench to approximately 36-inches below grade along the right of way of Hilton Avenue. Hand cleared around existing gas main & water service. Excavated soils were transported back to the Intersection Street staging yard for stockpiling. Bedded trench with approximately 6-inches of fine tank sand and compacted with a vibratory plate compactor. Secured sidewalls of excavation along sidewalk with plywood and 2x4 lumber to prevent pedestrians from falling into trench. Installed tees and ball valves on one (1) injection points (OW-2-14). Developed three (3) injection points (OW-2-23, OW-2-24S and OW-2-24D).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, traffic control & trenching excavation hazards.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-23	Date	7/29/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0915	30.50	11.05	0.558	0.4	19.22	Clear
0930	Not Measured	10.48	0.523	0.1	18.48	Silty
0945	Not Measured	10.03	0.480	0.1	18.67	Cloudy
1000	Not Measured	9.85	0.459	0.0	18.20	Cloudy
1015	Not Measured	9.10	0.460	0.0	18.12	Clear
1030	Not Measured	9.04	0.430	0.0	18.05	Clear
1045	Not Measured	8.26	0.427	0.0	18.05	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-24S	Date	7/29/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	30.40	8.02	0.422	0.3	20.84	Clear
1115	Not Measured	6.86	0.524	0.2	19.13	Cloudy
1130	Not Measured	6.44	0.472	0.1	19.91	Cloudy
1145	Not Measured	6.25	0.444	0.1	18.82	Cloudy
1200	Not Measured	6.05	0.399	0.0	18.53	Clear
1215	Not Measured	5.94	0.372	0.0	17.98	Clear
1230	Not Measured	5.90	0.365	0.0	18.09	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-24D	Date	7/29/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1300	30.80	11.53	1.170	0.6	23.91	Silty
1315	Not Measured	11.40	0.526	0.3	23.80	Silty
1330	Not Measured	10.50	0.498	0.1	20.60	Silty
1345	Not Measured	10.26	0.468	0.1	18.83	Silty
1400	Not Measured	10.15	0.444	0.0	18.76	Silty
1415	Not Measured	8.63	0.389	0.0	18.57	Silty
1430	Not Measured	7.75	0.336	0.0	17.57	Clear
1445	Not Measured	6.68	0.337	0.0	17.63	Clear

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date: July 30, 2010	
Weather Conditions:	Sunny ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Cleaned up and graded 158 Hilton Avenue yard area and reinstalled chain link gates removed during drilling activities. Backfilled 158 Hilton Avenue driveway and compacted with vibratory plate compactor. Constructed four (4) traffic control signs in preparation of road crossing. Developed two (2) injection points (OW-2-13S and OW-2-13D).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, traffic control & trenching excavation hazards.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-13S	Date	7/30/2010	Gallons Recovered	20	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1115	29.50	7.09	0.695	0.1	18.02	Silty
1130	Not Measured	6.82	0.711	0.2	16.51	Cloudy
1145	Not Measured	6.73	0.711	0.2	16.48	Clear
1200	Not Measured	6.69	0.709	0.1	17.01	Clear
1215	Not Measured	6.38	0.699	0.0	16.58	Clear
1230	Not Measured	6.40	0.690	0.0	16.56	Clear
1300	Not Measured	6.63	0.736	0.0	22.80	Silty
1315	Not Measured	6.65	0.706	0.0	17.25	Cloudy
1330	Not Measured	6.64	0.708	0.0	17.30	Cloudy
1345	Not Measured	6.67	0.706	0.0	17.71	Clear
1400	Not Measured	6.66	0.706	0.0	17.42	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-13D	Date	7/30/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0900	29.60	11.39	0.343	0.6	17.17	Silty
0915	Not Measured	11.23	0.443	0.3	18.52	Silty
0930	Not Measured	11.43	0.463	0.1	16.63	Silty
0945	Not Measured	10.03	0.421	0.1	16.20	Silty
1000	Not Measured	9.51	0.403	0.0	15.95	Clear
1015	Not Measured	6.61	0.403	0.0	15.90	Clear
1030	Not Measured	6.34	0.371	0.0	15.95	Clear
1045	Not Measured	6.24	0.362	0.0	16.05	Clear

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date: August 2, 2010	
Weather Conditions:	Sunny ~85° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	
George Brunquell	F&N	
Joe Palmeri	F&N	

Detailed Summary of Work Performed

Continued to excavate trench to approximately 36-inches below grade along the right of way of Hilton Avenue. Hand cleared around existing cable TV & electric services. Excavated soils were transported back to the Intersection Street staging yard for stockpiling. Bedded trench with approximately 6-inches of fine tank sand and compacted with a vibratory plate compactor. Installed tees and ball valves on three (3) injection points (OW-2-12, OW-2-13S, OW-13D). Developed three (3) injection points (OW-2-25, OW-2-26S & OW-2-26D). Cleaned up the Intersection Street staging yard around the F&N storage trailer and decontamination pad.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead power lines, traffic control & trenching excavation hazards.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-25	Date	8/2/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1300	30.20	10.96	0.528	0.9	26.46	Clear
1315	Not Measured	10.30	0.470	0.6	24.68	Silty
1330	Not Measured	10.61	0.391	0.3	22.90	Silty
1345	Not Measured	9.60	0.376	0.1	21.66	Silty
1400	Not Measured	9.52	0.422	0.0	19.80	Clear
1415	Not Measured	9.77	0.415	0.1	20.69	Clear
1430	Not Measured	9.34	0.414	0.1	19.64	Clear
1445	Not Measured	9.12	0.413	0.0	19.08	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-26S	Date	8/2/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	30.40	7.93	0.753	0.5	21.60	Silty
1115	Not Measured	7.02	0.741	0.3	19.62	Silty
1130	Not Measured	6.62	0.717	0.1	19.50	Silty
1145	Not Measured	6.58	0.714	0.0	19.60	Clear
1200	Not Measured	6.55	0.714	0.0	19.05	Clear
1215	Not Measured	6.57	0.722	0.0	18.10	Clear
1230	Not Measured	6.54	0.720	0.0	18.44	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-26D	Date	8/2/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0900	30.20	9.59	0.604	0.0	22.24	Clear
0915	Not Measured	10.14	0.688	0.0	22.25	Silty
0930	Not Measured	9.60	0.635	0.0	19.52	Silty
0945	Not Measured	9.10	0.600	0.0	18.59	Silty
1000	Not Measured	9.10	0.560	0.0	18.88	Clear
1015	Not Measured	8.95	0.555	0.0	18.80	Clear
1030	Not Measured	8.93	0.553	0.0	18.50	Clear
1045	Not Measured	8.24	0.540	0.0	18.28	Clear

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	August 3, 2010
Weather Conditions:	Cloudy ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Brian Rath	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	
George Brunquell	F&N	

Detailed Summary of Work Performed

Continued excavating trench to approximately 36-inches below grade. Excavated soils were transported back to the Intersection Street staging yard for stock piling. Bedded end of trench with approximately 6-inches of fine tank sand and compacted with a vibratory plate compactor. Installed tees and ball valves on two (2) injection points (OW-2-11S and OW-2-11D). Installed 3/4-inch poly oxygen supply lines to injection points OW-2-15S, OW-2-15D, OW-2-14, OW-2-13S, OW-2-13D, OW-2-12, OW-2-11S and OW-2-11D. Developed three (3) injection points (OW-2-8, OW-2-9S and OW-2-9D).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, traffic control, trenching excavation hazards & slip trip and fall hazards.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-8	Date	8/3/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1300	29.60	11.35	0.653	0.3	18.14	Silty
1315	Not Measured	10.50	0.689	0.2	17.66	Silty
1330	Not Measured	10.20	0.686	0.1	17.70	Silty
1345	Not Measured	9.12	0.377	0.1	16.92	Silty
1400	Not Measured	8.01	0.353	0.1	16.85	Silty
1415	Not Measured	7.49	0.329	0.0	16.86	Clear
1430	Not Measured	7.28	0.319	0.0	16.84	Clear
1445	Not Measured	7.03	0.314	0.0	17.08	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-9S	Date	8/3/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0915	29.60	10.04	0.307	0.0	17.36	Silty
0930	Not Measured	9.64	0.422	0.1	16.55	Silty
0945	Not Measured	6.83	0.426	0.1	17.10	Silty
1000	Not Measured	6.70	0.430	0.0	17.60	Silty
1015	Not Measured	6.77	0.426	0.0	17.16	Clear
1030	Not Measured	6.79	0.426	0.0	16.80	Clear
1045	Not Measured	6.74	0.420	0.0	16.60	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-9D	Date	8/3/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	29.30	10.71	0.668	0.0	17.76	Clear
1115	Not Measured	11.12	0.375	0.0	17.47	Clear
1130	Not Measured	9.48	0.411	0.0	17.25	Silty
1145	Not Measured	7.67	0.374	0.0	17.00	Silty
1200	Not Measured	6.73	0.303	0.0	16.83	Silty
1215	Not Measured	6.54	0.293	0.0	16.83	Silty
1230	Not Measured	6.45	0.288	0.0	16.82	Silty

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	August 4, 2010
Weather Conditions:	Sunny ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Matt Briody	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Started backfilling trench along right of way of Hilton Avenue with fine tank sand in 12-inch lifts and compacted with vibratory plate compactor to approximately 14-inches below grade. Moved road plates from end of driveway and sidewalk areas along 158 Hilton Avenue and backfilled with fine tank sand to approximately 14-inches below grade. Developed three (3) injection points (OW-2-4, OW-2-6 and OW-2-7).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, traffic control & trenching excavation hazards.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-4	Date	8/4/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1300	29.40	10.88	0.441	0.1	20.99	Clear
1315	Not Measured	9.68	0.431	0.2	19.88	Silty
1330	Not Measured	8.46	0.399	0.1	19.02	Silty
1345	Not Measured	8.03	0.366	0.1	18.50	Silty
1400	Not Measured	7.68	0.346	0.0	17.65	Silty
1415	Not Measured	8.47	0.487	0.0	17.83	Cloudy
1430	Not Measured	7.71	0.435	0.0	17.26	Cloudy
1445	Not Measured	7.49	0.418	0.0	16.68	Cloudy
1500	Not Measured	7.36	0.403	0.0	16.47	Cloudy

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-6	Date	8/4/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0900	29.80	10.90	0.338	0.5	19.17	Clear
0915	Not Measured	8.80	0.444	0.9	17.93	Silty
0930	Not Measured	6.96	0.315	0.2	17.76	Silty
0945	Not Measured	6.67	0.321	0.1	17.23	Silty
1000	Not Measured	6.35	0.333	0.1	16.83	Silty
1015	Not Measured	6.21	0.326	0.1	16.43	Cloudy
1030	Not Measured	6.37	0.283	0.0	17.91	Cloudy
1045	Not Measured	6.28	0.278	0.0	18.09	Cloudy

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-7	Date	8/4/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	30.10	11.25	0.618	0.0	20.63	Clear
1115	Not Measured	9.90	0.460	0.0	19.52	Silty
1130	Not Measured	8.54	0.385	0.0	18.85	Clear
1145	Not Measured	7.53	0.348	0.0	19.10	Clear
1200	Not Measured	7.28	0.336	0.0	19.18	Clear
1215	Not Measured	7.10	0.328	0.0	18.82	Clear
1230	Not Measured	6.98	0.322	0.0	18.60	Clear

Inspector: ANDREW K

Project: 158 HILTON AVE

Today's Date: 8/4 ENLOE + NICOL

Test Number	Wet Density	% Moisture	Dry Density	Maximum Density	% Compaction Achieved	% Compaction Required	Elevation & Location of Test
1	119.9	6.1	113.1		94.0	95%	~ 12" FROM EAST LOAD DRIVEWAY
2	119.1	6.1	115.0		95.8		
1	114.1	5.8	113.6		91.2	85%	SIDEWALK AREA
2	116.5	5.8	115.8		92.8		" "
3	115.3	5.1	114.6		91.9		" "
		ANDREW K				1/8	HILTON AVE THOMPSON ENLOE + NICOL
1	115.0	4.1	113.6		98.7	95%	DRIVEWAY
2	115.7	6.5	115.4		92.4	"	
1	117.9	4.3	119.5		84.2	85%	SIDEWALK AREA
2	113.8	4.6	118.5		85.4		
3							

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	August 5, 2010
Weather Conditions:	Sunny ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Matt Briody	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Transported and temporarily installed 12-inch diameter manholes at each injection point along right of way of Hilton Avenue in order to continue backfilling. Soil Mechanics conducted compaction testing along backfilled portions of trench along the 158 Hilton Avenue driveway and right of way along Hilton Avenue. Continued backfilling trench with fine tank sand to approximately 6-inches below grade and compacted with vibratory plate compactor. Installed tracer wire and detectable tape at approximately 12-inches below grade. Completed setting injection point manholes in 158 Hilton Avenue Driveway with cement. Backfilled balance of trench along 158 Hilton Avenue driveway with RCA to grade. Developed two (2) injection points (OW-2-2 and OW-2-3).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, traffic control, trenching excavation hazards & heat stress.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-2	Date	8/5/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1030	24.75	11.47	0.918	0.2	20.55	Cloudy
1045	Not Measured	11.70	0.766	0.1	18.07	Cloudy
1100	Not Measured	10.56	0.541	0.3	17.73	Silty
1115	Not Measured	9.84	0.432	0.0	17.80	Silty
1130	Not Measured	9.97	0.422	0.0	17.72	Silty
1145	Not Measured	9.48	0.386	0.0	17.24	Silty
1200	Not Measured	9.23	0.372	0.0	17.16	Silty

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-3	Date	8/5/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1300	25.00	10.91	0.505	0.0	18.46	Cloudy
1315	Not Measured	10.87	0.494	0.0	18.36	Cloudy
1330	Not Measured	10.02	0.431	0.0	17.96	Cloudy
1345	Not Measured	9.22	0.448	0.0	17.65	Cloudy
1400	Not Measured	7.98	0.390	0.0	17.60	Cloudy
1415	Not Measured	7.40	0.363	0.0	18.00	Cloudy
1430	Not Measured	7.07	0.359	0.0	17.98	Cloudy

		ANDREW	R	8/5			148 Hilton Ave Hempstead Finley + Nico
1	115.0	4.1	113.6		98.7	95%	Driveway
2	115.2	6.5	116.4		92.4		
1	117.2	4.3	119.5		84.2	85%	Sidewalk Area
2	113.8	4.6	118.5		85.4		
3							

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	August 6, 2010
Weather Conditions:	Sunny ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Matt Briody	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
Joe Palmeri	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Started to pressure testing poly oxygen supply lines and well head fittings in the driveway and along the right of way of Hilton Avenue. Completed setting injection point manholes at approximately 4-inches below grade with cement along the right of way of Hilton Avenue. Removed all temporary plywood barricading from site and transported to Intersection Street Staging Yard. Installed road work signs on poles in preparation of road crossing. Developed two (2) injection points (OW-2-5 and OW-2-10D).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, traffic control and trenching excavation hazards.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-5	Date	8/6/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0915	30.00	11.10	0.537	0.0	17.14	Silty
0930	Not Measured	10.50	0.468	0.0	17.77	Silty
0945	Not Measured	9.63	0.377	0.0	17.46	Silty
1000	Not Measured	8.47	0.482	0.0	17.78	Silty
1015	Not Measured	8.38	0.463	0.0	17.68	Silty
1030	Not Measured	8.26	0.420	0.0	16.90	Silty
1045	Not Measured	8.18	0.386	0.0	16.76	Silty
1100	Not Measured	7.76	0.416	0.0	16.80	Silty

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-10D	Date	8/6/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1145	29.60	11.37	0.768	0.0	21.87	Silty
1200	Not Measured	8.73	0.368	0.0	19.07	Silty
1215	Not Measured	7.50	0.339	0.0	18.19	Silty
1230	Not Measured	7.17	0.317	0.0	18.14	Silty
1315	Not Measured	6.90	0.320	0.0	18.06	Silty
1330	Not Measured	6.80	0.318	0.0	17.85	Silty
1345	Not Measured	6.76	0.325	0.0	17.60	Silty
1400	Not Measured	6.70	0.319	0.0	17.63	Silty
1415	Not Measured	6.79	0.293	0.0	17.66	Silty
1430	Not Measured	6.47	0.286	0.0	17.60	Silty

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	August 9, 2010
Weather Conditions:	Sunny ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Matt Briody	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	

Detailed Summary of Work Performed

Set up single lane closure as per traffic control plan and saw cut trench across Hilton Avenue. Started repairing sprinkler lines in the right of way of Hilton Avenue.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, road crossing plan and reviewed JSA for sawcutting.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	August 10, 2010
Weather Conditions:	Sunny ~95° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Matt Briody	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	
John Marchetti	F&N	
Mike Mede	F&N	
Kirk White	URS	
Joe Palmeri	F&N	
Ashton Ali	F&N	
Freddi Chica	F&N	

Detailed Summary of Work Performed

Set up single lane closure as per traffic control plan and excavated trench to approximately 36-inches below grade. Excavated soils were transported back to the Intersection Street staging yard for stock piling. Bedded trench with approximately 6-inches of fine tank sand and compacted with a vibratory plate compactor. Installed 12-inch diameter PVC sleeve and backfilled with fine tank sand to approximately 6-inches above the top of the sleeve and approximately 6-inches of RCA and compacted with a vibratory plate compactor. Soil Mechanics conducted compaction testing along backfilled portions of trench. Upon completion of compaction testing backfilled balance of trench with approximately 10.5-inches of RCA and compacted with a vibratory plate compactor followed by approximately 1.5-inches of temporary asphalt cold patch and compacted with a vibratory plate compactor. High Point Engineering was on-site to located installed sleeve and existing utilites for as-built drawings.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, including overhead lines and single lane closure traffic control procedures.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	August 11, 2010
Weather Conditions:	Sunny ~95° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Mike Mede	F&N	
Kirk White	URS	
Joe Palmeri	F&N	
Ashton Ali	F&N	
Freddi Chica	F&N	

Detailed Summary of Work Performed

Set up single lane closure as per traffic control plan and continued to excavate trench across the road to approximately 36-inches below grade. Excavated soils were transported back to the Intersection Street staging yard for stock piling. Bedded trench with approximately 6-inches of fine tank sand and compacted with a vibratory plate compactor. Installed 12-inch diameter PVC sleeve and backfilled with fine tank sand to approximately 6-inches above the top of the sleeve and approximately 6-inches of RCA and compacted with a vibratory plate compactor. Soil Mechanics conducted compaction testing along backfilled portions of trench. Upon completion of compaction testing backfilled balance of trench with approximately 10.5-inches of RCA and compacted with a vibratory plate compactor followed by approximately 1.5-inches of temporary asphalt cold patch and compacted with a vibratory plate compactor. High Point Engineering was on-site to located installed sleeve and existing utilities for as-built drawings. Hoyler electric installed wire to meter pan and utility pole.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, including overhead lines and single lane closure traffic control procedures.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Inspector: W. Devina

Project: 158 Hilton

Today's Date: 8-11

Test Number	Wet Density	% Moisture	Dry Density	Maximum Density	% Compaction Achieved	% Compaction Required	Elevation & Location of Test
1	117.5		114.6	119.2	96.11	95%	Bottom 1 Ft east side
2	119.4		115.3		96.73	95%	Bottom 1 Ft west side
3	120		115.1		96.55	95%	Top 1 Ft east side
4	118.5		113.9		95.52	95%	Top 1 Ft west side

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	August 12, 2010
Weather Conditions:	Sunny ~95° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Mike Mede	F&N	
Kirk White	URS	
Joe Palmeri	F&N	

Detailed Summary of Work Performed

Continued to excavate trench in the intersection of Kensington Court and Hilton Avenue to approximately 36-inches below grade and tapered excavation to approximatley 48-inches below grade to allow installation of 12-inch diameter PVC sleeve under the storm pipr crossing Kensington Court. ~~Trench needed to be excavated to approximately 60-inches below grade in the vicinity of the storm drain line in order to install 12-inch diameter PVC sleeve.~~ Excavated soils were transported back to the Intersection Street staging yard for stock piling. Bedded trench with approximately 6-inches of fine tank sand and compacted with a vibratory plate compactor. Installed 12-inch diameter PVC sleeve and backfilled with fine tank sand to approximately 6-inches above the top of the sleeve and approximately 6-inches of RCA and compacted with a vibratory plate compactor. Backfilled balance of trench with approximately 10.5-inches of RCA and compacted with a vibratory plate compactor followed by approximately 1.5-inches of temporary asphalt cold patch and compacted with a vibratory plate compactor. ~~Installed 12-inch diameter PVC sleeve and backfilled with fine tank sand to approximately 6-inches above the top of the sleeve. Backfilled balance of trench with RCA and temporary asphalt cold patch.~~ Developed two (2) injection points (OW-2-11S and OW-2-11D).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, traffic control and heat stress.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-11S	Date	8/12/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1300	Not Measured	11.16	0.648	0.7	18.84	Cloudy
1315	Not Measured	10.52	0.535	0.5	17.56	Cloudy
1330	Not Measured	7.99	0.480	0.8	16.84	Cloudy
1345	Not Measured	7.22	0.606	1.5	16.67	Cloudy
1400	Not Measured	7.11	0.607	0.2	16.60	Cloudy
1415	Not Measured	7.02	0.612	0.1	16.56	Cloudy
1430	Not Measured	6.68	0.601	0.1	16.36	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-11D	Date	8/12/2010	Gallons Recovered	20	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0915	Not Measured	10.81	0.480	0.2	17.69	Silty
0930	Not Measured	8.85	0.284	0.2	16.67	Silty
0945	Not Measured	7.06	0.282	0.1	16.66	Silty
1000	Not Measured	6.73	0.266	0.1	16.61	Silty
1015	Not Measured	6.62	0.255	0.0	16.53	Silty
1030	Not Measured	6.52	0.250	0.0	16.37	Silty
1045	Not Measured	6.51	0.247	0.0	16.28	Silty
1100	Not Measured	6.53	0.243	0.0	16.29	Cloudy
1115	Not Measured	6.38	0.238	0.0	16.31	Cloudy
1130	Not Measured	6.38	0.236	0.0	16.33	Cloudy
1145	Not Measured	6.39	0.235	0.0	16.32	Cloudy

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	August 13, 2010
Weather Conditions:	Sunny ~85° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Matt Briody	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Mike Mede	F&N	
Kirk White	URS	

Detailed Summary of Work Performed

Excavated trench under concrete drain and curb combo to extend 12-inch diameter PVC sleeve into right of way of Kensington Court. Excavated soils were transported back to the Intersection Street staging yard for stock piling. Secured excavations with road plates and transported road closure signs to Intersection Street staging yard for storage. Developed two (2) injection points (OW-2-12 and OW-2-10S).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, traffic control and heat stress.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-10S	Date	8/13/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1330	29.40	9.60	0.233	0.4	23.53	Silty
1345	Not Measured	8.76	0.326	0.2	19.85	Silty
1400	Not Measured	7.76	0.310	0.2	19.60	Silty
1415	Not Measured	7.21	0.406	0.0	20.39	Silty
1430	Not Measured	6.86	0.516	0.0	19.75	Silty
1445	Not Measured	6.70	0.446	0.0	19.20	Silty

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-12	Date	8/13/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1015	29.80	10.68	0.520	0.3	18.90	Clear
1030	Not Measured	8.62	0.425	0.2	17.76	Silty
1045	Not Measured	7.42	0.397	0.2	18.32	Cloudy
1100	Not Measured	7.21	0.416	0.2	20.86	Cloudy
1115	Not Measured	7.08	0.455	0.3	21.64	Cloudy
1130	Not Measured	7.37	0.376	0.1	20.89	Cloudy
1145	Not Measured	7.02	0.284	0.1	20.46	Cloudy
1200	Not Measured	6.93	0.271	0.1	20.32	Cloudy

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	August 16, 2010
Weather Conditions:	Sunny ~85° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Kirk White	URS	

Detailed Summary of Work Performed

Continued to excavate trench to approximately 36-inches below grade along the right of way of Kensington Court. Excavated soils were transported back to the Intersection Street staging yard for stockpiling. Installed tees and ball valves on three (3) injection points (OW-2-7, OW-2-8, OW-9). Measuring and cut four (4) additional lengths of 3/4-inch poly oxygen supply lines for installation in the 12-inch diameter PVC sleeve.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas, traffic control and trench excavation safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #2

F&N Project Number:	1002965
Date:	August 17, 2010
Weather Conditions:	Sunny ~85° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Kirk White	URS	

Detailed Summary of Work Performed

Continued to excavate trench to approximately 36-inches below grade along the right of way of Kensington Court. Excavated soils were transported back to the Intersection Street staging yard for stockpiling. Installed tees and ball valves on three (3) injection points (OW-2-6, OW-2-5, OW-4). Installed 12-inch diameter PVC 45 degree fittings and pipe to extend sleeve under concrete drain and curb combo. Backfilled all open areas in street and sealed with cold patch.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, traffic control, trench excavation safety and slip, trip and fall hazards.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	August 18, 2010
Weather Conditions:	Sunny ~85° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Kirk White	URS	

Detailed Summary of Work Performed

Excavated small area on the corner of Kensington Court to approximately 36-inches below grade at end of the 12-inch diameter PVC sleeve and around injection points OW-2-10S and OW-2-10D. Installed tees and ball valves on two (2) injection points (OW-2-10S and OW-2-10D). Started pulling 3/4-inch poly oxygen supply lines through sleeve and installed in trench along Kensington Court. Started backfilling trench along right of way of Kensington Court with fine tank sand in 12-inch lifts and compacted with vibratory plate compactor to approximately 18-inches below grade and installed tracer wire and detectable tape.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, traffic control, trench excavation safety and driving safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	August 19, 2010
Weather Conditions:	Sunny ~85° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Kirk White	URS	

Detailed Summary of Work Performed

Transported approximately 6-yards of concrete to F&N facility for disposal. Mobilized large trailer to site and transported five (5) road plates from work site to Intersection Street staging yard. Continued backfilling trench along right of way of Kensington Court with fine tank sand in 12-inch lifts and compacted with vibratory plate compactor. Installed three (3) 4-inch road boxes for tracer wire markout tie in locations and spliced additional tracer wire to extend length.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, traffic control, trench excavation safety and driving safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	August 20, 2010
Weather Conditions:	Sunny ~85° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Kirk White	URS	

Detailed Summary of Work Performed

Connected 3/4-inch poly oxygen supply line to injections points and continued backfilling trench along right of way of Kensington Court with fine tank sand in 12-inch lifts and compacted with vibratory plate compactor. Temporarily installed 12-inch diameter manholes over wells to secure for weekend. Started to excavate final portion of trench to approximately 36-inches below grade along the right of way of Kensington Court. Excavated soils were transported back to the Intersection Street staging yard for stockpiling.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, traffic control, trench excavation safety and driving safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	August 23, 2010
Weather Conditions:	Mostly Cloudy w/Light Rain ~75° F
Hours of Operation:	7:00 AM to 5:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Mark Shock	Glacier Drilling	Grout mixer, Drill Support Truck & CME Drill Rig
Marcellinus Zwijnenberg	Glacier Drilling	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marvin Bell	Glacier Drilling	
Megan Dascoli	URS	
Kirk White	URS	

Detailed Summary of Work Performed

Mobilized drilling equipment to site and installed two (2) monitoring points (MP-2-2 and MP-2-3D) to 94 feet below grade and 97 feet below grade, respectively. Continued to excavate final portion of trench to approximately 36-inches below grade along the right of way of Kensington Court. Excavated soils were transported back to the Intersection Street staging yard for stockpiling. Installed approximately 6-inches of fine tank sand in base of trench and compacted with a vibratory plate compactor. Installed tees and ball valves on two (2) injection points (OW-2-3 and OW-2-2). Spliced tracer wire and installed in base of trench. Transported drums of drill cuttings to the Intersection Street staging yard at end of day.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, traffic control and proper body position to prevent back injury.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

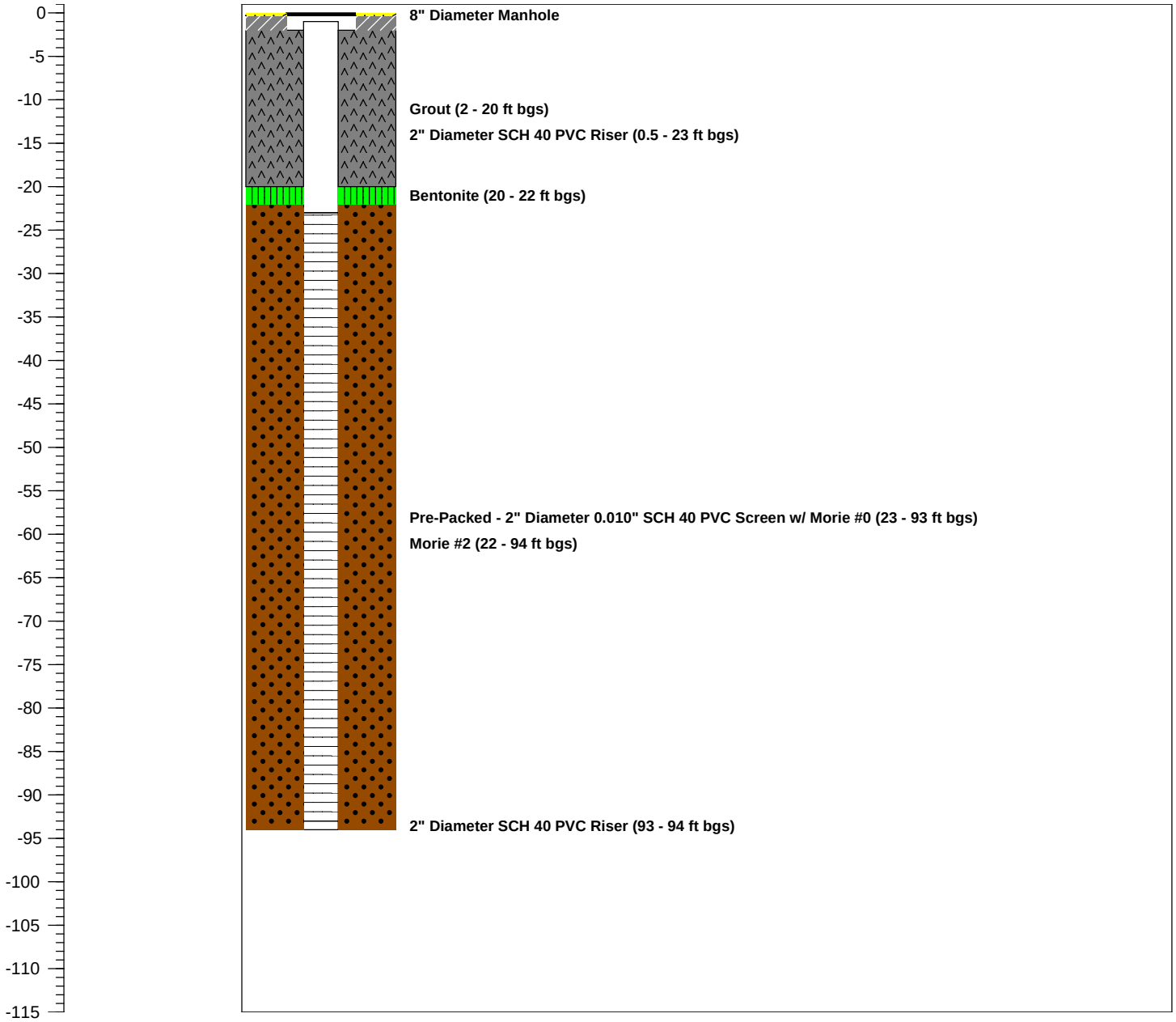
TOTAL DEPTH: **94'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **MP-2-2**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **8/23/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Hollow Stem Auger**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

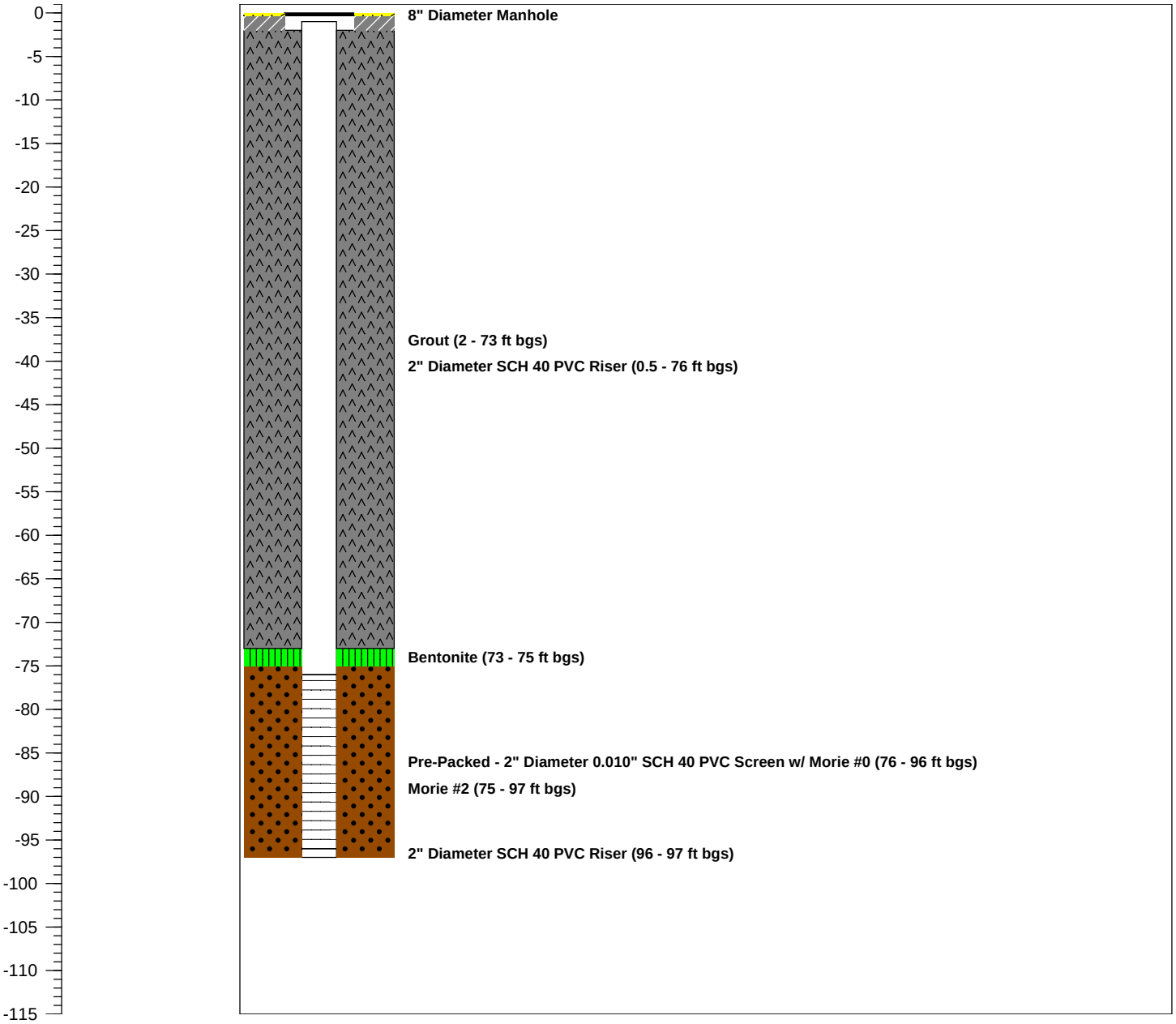
TOTAL DEPTH: **97'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **MP-2-3D**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: **-**
Dates Drilled: **8/23/10**
Driller: **Mark Schock**
Drill Rig Type: **CME-55LC**

Drilling Method: **Hollow Stem Auger**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	August 24, 2010
Weather Conditions:	Mostly Cloudy w/Light Rain ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Mark Shock	Glacier Drilling	Grout mixer, Drill Support Truck & CME Drill Rig
Marcellinus Zwijnenberg	Glacier Drilling	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marvin Bell	Glacier Drilling	
Megan Dascoli	URS	
Kirk White	URS	

Detailed Summary of Work Performed

Installed one (1) monitoring point (MP-2-3S) to 73.5 feet below grade. Attempted to install monitoring point MP-2-1. During the installation, the prepacked well screen was dropped and damaged at approximately 40 feet below grade and the well location was abandoned. Installed approximately 6-inches of fine tank sand in base of trench and compacted with a vibratory plate compactor. Installed 4-inch road boxes for tracer wire markout tie in location. Transported drums of drill cuttings to the Intersection Street staging yard at end of day.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, traffic control, proper body position to prevent back injury and proper glove use for task.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

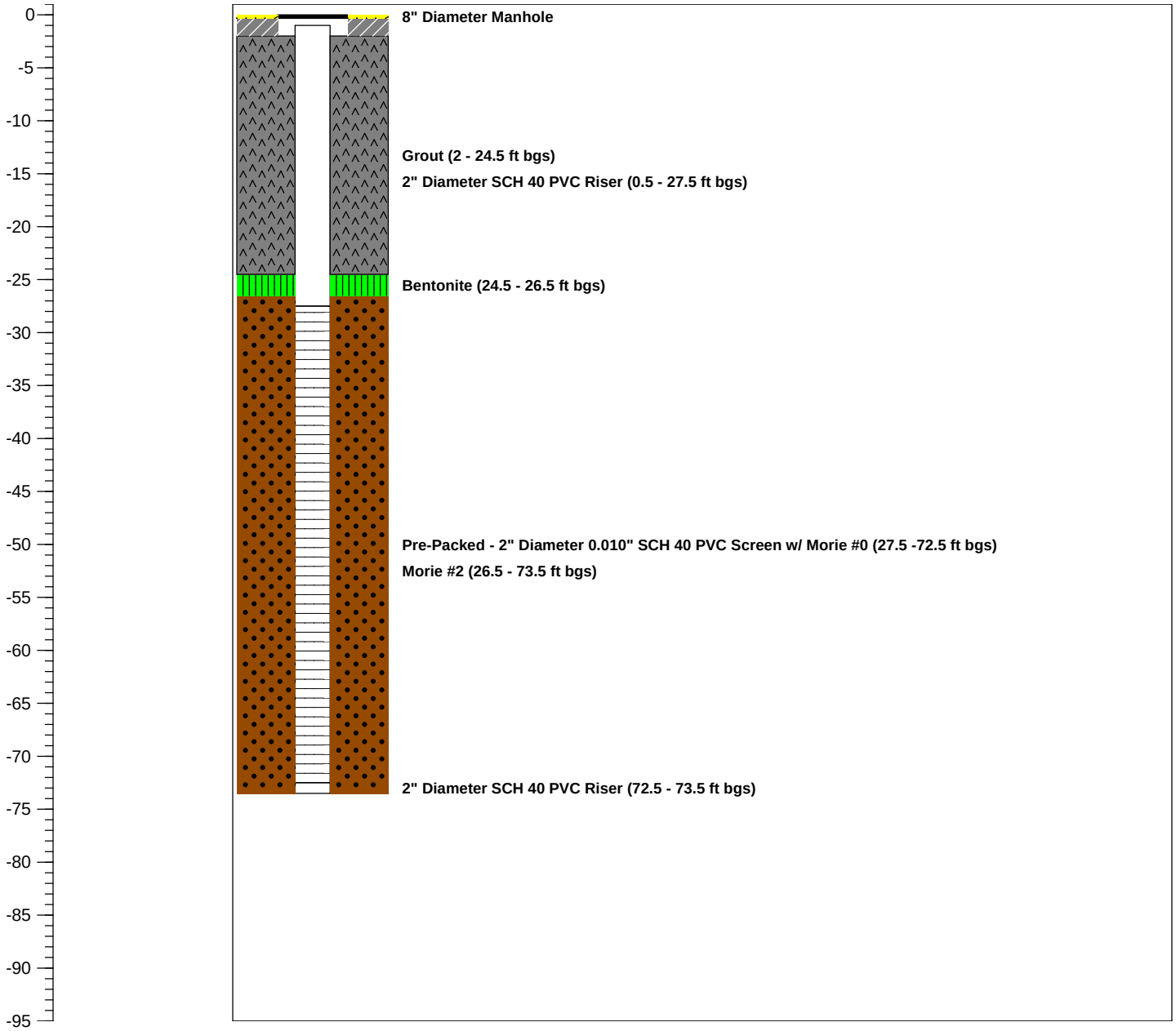
TOTAL DEPTH: **73.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **MP-2-3S**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **8/24/10**
Driller: **Mark Schock**
Drill Rig Type: **CME-55LC**

Drilling Method: **Hollow Stem Auger**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	August 25, 2010
Weather Conditions:	Mostly Cloudy ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marvin Bell	Glacier Drilling	
Megan Dascoli	URS	
Kirk White	URS	
Hugo	Silvestri Landscaping	
Oscar	Silvestri Landscaping	
Robert McMurray	Silvestri Landscaping	

Detailed Summary of Work Performed

Attempted to install injection point OW-2-44R. During the installation, the lead rod separated from the casing string and the point had to be abandoned as there was a potential that the screen was blocked by the lead rod. Continued backfilling trench along right of way of Kensington Court with fine tank sand in 6-inch lifts and compacted with vibratory plate compactor. Soil Mechanics conducted compaction testing along backfilled portions of trench along the right of way of Kensington Court. Silvestri Landscaping removed two (2) trees from the back yard of 158 Hilton Avenue and planted one (1) purple leaf plum and one (1) western arborvitae.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, drum handling and housekeeping.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #2

F&N Project Number:	1002965
Date:	August 26, 2010
Weather Conditions:	Partly Cloudy ~85° F
Hours of Operation:	7:00 AM to ~~3:30~~ 4:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marvin Bell	Glacier Drilling	
Megan Dascoli	URS	
Kirk White	URS	
Oscar Armondo	Silvestri Landscaping	
Robert McMurray	Silvestri Landscaping	

Detailed Summary of Work Performed

Installed one (1) monitoring point (MP-2-1) to 97 feet below grade at 2nd attempt location. Set remainder of 12-inch diameter manholes with concrete. Completed pressure testing of remaining 3/4-inch poly oxygen supply lines. Silvestri Landscaping ground stumps from two (2) trees removed on the day before and all stumps along the fence line between 158 Hilton Avenue and 160 Hilton Avenue. Transported drums of drill cuttings to the Intersection Street staging yard at end of day.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and stump grinder safety hazards.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

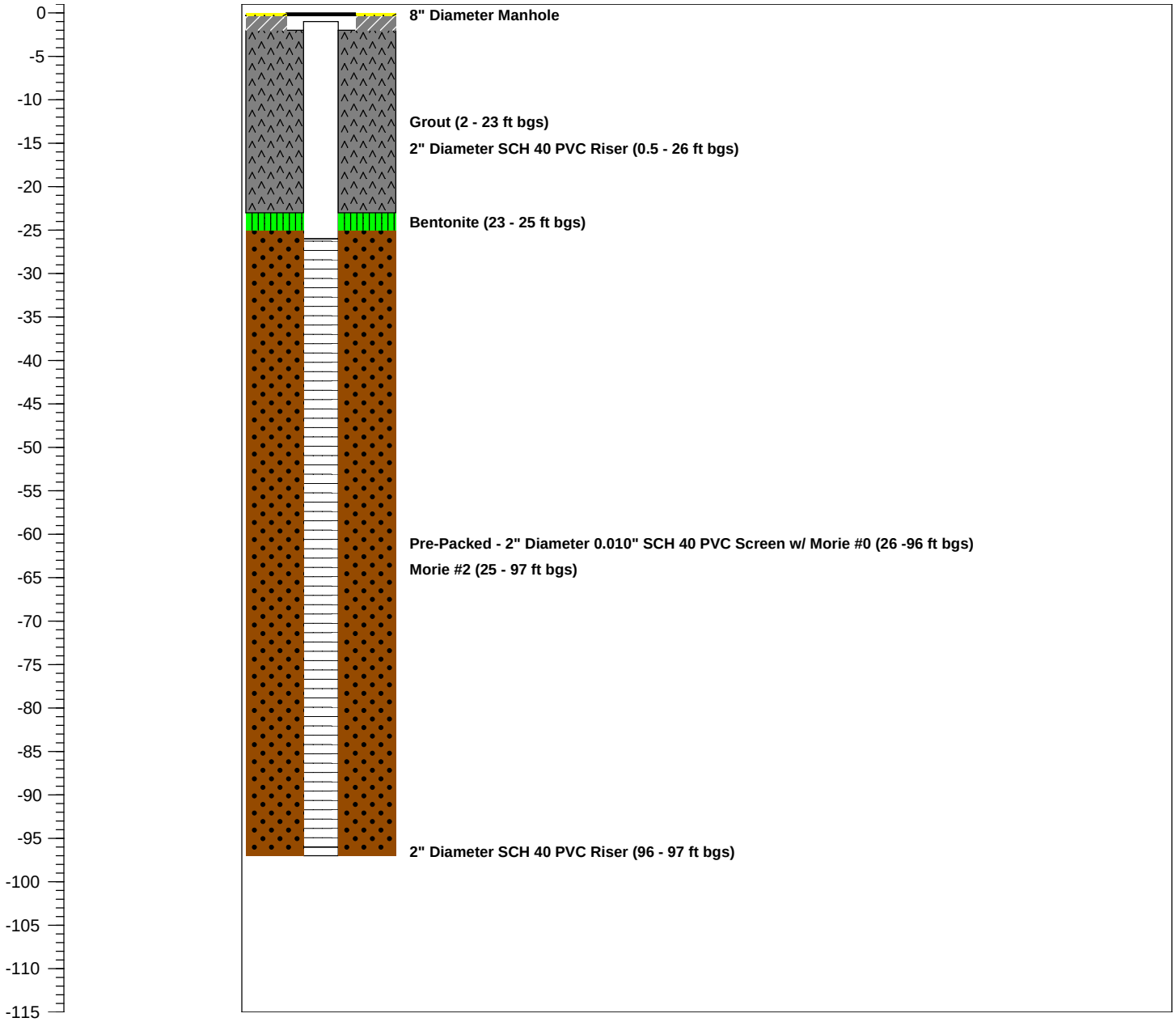
TOTAL DEPTH: **97'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **MP-2-1**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **8/26/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Hollow Stem Auger**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #2

F&N Project Number:	1002965
Date:	August 27, 2010
Weather Conditions:	Partly Cloudy ~85° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Mike Mede	F&N	Support Truck & Well Development Equipment
Barry Rummel	Glacier Drilling	Grout mixer, Drill Support Truck & Geoprobe Model 8040
Marvin Bell	Glacier Drilling	
Megan Dascoli	URS	

Detailed Summary of Work Performed

Installed one (1) injection point (OW-2-44R) to 61.3 feet below grade. Completed excavation of soil from the area in the back of 158 Hilton Avenue for the System #2 remedial system enclosure. Excavated soils were transported back to the Intersection Street staging yard for stockpiling. Lined remedial system enclosure area with filter fabric and started to install 3/4-inch bluestone base. Installed 4-inch road box for tracer wire markout tie in location at back of 158 Hilton Avenue property. Re-developed three (3) injection points (OW-2-28S, OW-2-31 and OW-2-36).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, drilling JSA and heavy equipment safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

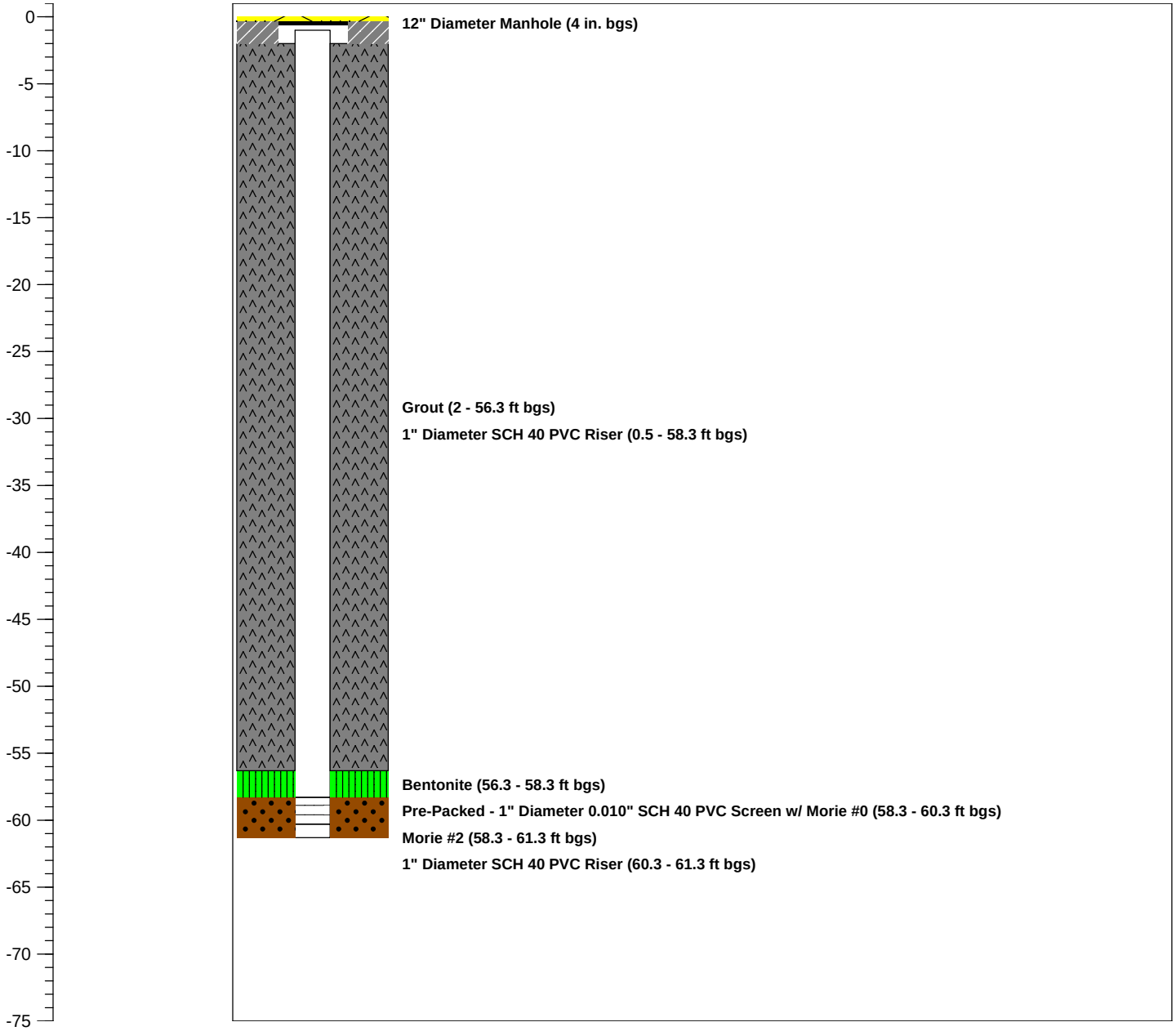
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**61.3'**	WELL NO.:	**OW-2-44R**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**8/27/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-28S Redevelopment	Date	8/27/2010	Gallons Recovered	14		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Volume (ml/min)**
1345	30.30	6.27	0.455	0.2	19.19	Silty	400
1400	Not Measured	6.10	0.488	0.1	18.51	Cloudy	500
1415	Not Measured	6.06	0.485	0.0	17.56	Cloudy	500
1430	Not Measured	6.12	0.482	0.0	17.68	Cloudy	400
1445	Not Measured	6.15	0.486	0.0	17.77	Clear	400
1500	Not Measured	6.10	0.458	0.0	17.67	Clear	400

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-31 Redevelopment	Date	8/27/2010	Gallons Recovered	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Volume (ml/min)**
1115	30.00	7.31	0.435	0.5	16.55	Clear	500
1130	Not Measured	6.56	0.463	0.0	15.85	Clear	400
1145	Not Measured	6.24	0.431	0.0	15.86	Clear	500
1200	Not Measured	6.08	0.411	0.0	15.84	Clear	500
1215	Not Measured	5.98	0.400	0.0	15.73	Clear	500
1230	Not Measured	5.96	0.391	0.0	15.72	Clear	500
1245	Not Measured	5.93	0.388	0.0	15.78	Clear	600

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-36 Redevelopment	Date	8/27/2010	Gallons Recovered	18		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Volume (ml/min)**
0900	18.00	9.50	0.461	0.4	16.41	Silty	400
0915	Not Measured	6.74	0.448	0.1	15.78	Cloudy	600
0930	Not Measured	6.69	0.424	0.1	15.80	Clear	600
0945	Not Measured	6.58	0.423	0.0	15.96	Clear	500
1000	Not Measured	6.61	0.421	0.0	15.90	Clear	600
1015	Not Measured	6.63	0.421	0.0	16.35	Clear	600
1030	Not Measured	6.41	0.418	0.0	16.10	Clear	600

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	August 30, 2010
Weather Conditions:	Mostly Sunny ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Joe Palmeri	F&N	Support Truck & Vibratory Plate Compactor
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	
Mike Smith	F&N	Pickup Truck & Hand Auger
Megan Dascoli	URS	
Kirk White	URS	

Detailed Summary of Work Performed

Continued to install 3/4-inch bluestone base for System #2 enclosure area. Set two 8-inch diameter manholes in concrete at monitoirng points MP-2-3S and MP-2-3D. Cleaned up work areas and staging yard. Advanced ~~several~~ eight (8) hand borings to 4 feet below grade in the vicinity of System #1 with a hand auger.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, proper PPE and heat stress.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	August 31, 2010
Weather Conditions:	Mostly Sunny ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Ed Knox	Local 138 (F&N)	Backhoe & Case
Charlie Guzzardo	F&N	Dump Truck
John Marchetti	F&N	Support Truck & Vibratory Plate Compactor
Mike Smith	F&N	Pickup Truck & Hand Auger
Mike Mede	F&N	Support Truck & Well Development Equipment
Kirk White	URS	
Hugo Hercules	Silvestri Landscaping	
Mario Hercules	Silvestri Landscaping	
Robert McMurray	Silvestri Landscaping	
Steve Silvestri	Silvestri Landscaping	

Detailed Summary of Work Performed

Excavated around injection point OW-2-44 and removed manhole and disconnected well. Connected injection point OW-2-44R to 3/4-inch poly oxygen supply line, installed manhole and set in concrete. Set two 8-inch diameter manholes in concrete at monitoirng points MP-2-2 and MP-2-1. Transported road plates to Hilton Avenue to prep for shed delivery on Wednesday. Silvestri Landscaping graded back yard of 158 Hilton Avenue and along the stone driveway areas. Developed two (2) monitoring points (MP-2-1 and MP-2-2).

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, proper lifting techniques and working in tight areas.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-2-1	Date	8/31/2010	Gallons Recovered	80	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1030	29.50	7.69	0.516	0.1	15.81	Very Silty
1045	Not Measured	6.68	0.510	0.1	15.66	Cloudy
1100	Not Measured	6.26	0.496	0.0	15.40	Surged
1115	Not Measured	6.07	0.481	0.0	17.58	Muddy
1130	Not Measured	6.03	0.498	0.0	16.90	Surged
1145	Not Measured	6.05	0.486	0.0	16.85	Clear
1200	Not Measured	6.07	0.486	0.0	16.84	Clear
1215	Not Measured	6.06	0.483	0.0	16.75	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-2-2	Date	8/31/2010	Gallons Recovered	65	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1245	28.00	6.40	0.433	0.2	16.60	Muddy
1300	Not Measured	6.09	0.260	0.0	16.59	Silty
1315	Not Measured	6.19	0.257	0.1	16.43	Surged
1330	Not Measured	6.19	0.250	0.0	16.64	Cloudy
1345	Not Measured	6.25	0.248	0.0	16.56	Clear
1400	Not Measured	6.10	0.246	0.0	16.56	Clear

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 1, 2010
Weather Conditions:	Mostly Sunny ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Ed Knox	Local 138 (F&N)	Backhoe & Case
Mike Ryan	F&N	Support Truck
Jeannie Byrne	F&N	
Jason Falquecee	F&N	
James Christman	National Grid	
Kirk White	URS	
Hugo Hercules	Silvestri Landscaping	
Mario Hercules	Silvestri Landscaping	
Armondo Lemus	Silvestri Landscaping	
Steve Silvestri	Silvestri Landscaping	
Rob Scrima	Local 138 (Bay Crane)	
William Slater	Bay Crane	

Detailed Summary of Work Performed

Removed approximately 50 feet of chain link fence, fence posts, overgrown brush and roots along the 158 Hilton Avenue garage between 158 & 160 Hilton Avenue. Received delivery of System #2 remedial compound and utilized crane to put into place. Silvestri Landscaping continued grading back yard of 158 Hilton Avenue and along the stone driveway areas. Installed new fence posts after shed was placed.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, crane safety, traffic control and heat stress.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 2, 2010
Weather Conditions:	Mostly Sunny ~90° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Ed Knox	Local 138 (F&N)	Backhoe & Case
Mike Ryan	F&N	Support Truck
Kirk White	URS	
Hugo Hercules	Silvestri Landscaping	
Mario Hercules	Silvestri Landscaping	
Armondo Lemus	Silvestri Landscaping	
Steve Silvestri	Silvestri Landscaping	
Rob McMurray	Silvestri Landscaping	

Detailed Summary of Work Performed

Cleaned up 158 Hilton Avenue driveway and reinstalled previously removed Belgian Blocks. Silvestri Landscaping completed installing stone driveway at 158 Hilton Avenue and installed new fencing around remedial system enclosure. Started to remove grass and grade areas along the right of ways of Hilton Avenue and Kensington Court. Removed old sections of fence along top of Mirschel Park hill and graded hill.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, traffic control and heat stress.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	September 3, 2010
Weather Conditions:	Mostly Cloudy ~85° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Ed Knox	Local 138 (F&N)	Backhoe & Case
Mike Ryan	F&N	Support Truck
Mike Mede	F&N	Support Truck & Well Development Equipment
Megan Dascoli	URS	
Hugo Hercules	Silvestri Landscaping	
Mario Hercules	Silvestri Landscaping	
Armondo Lemus	Silvestri Landscaping	
Steve Silvestri	Silvestri Landscaping	
Rob McMurray	Silvestri Landscaping	

Detailed Summary of Work Performed

Completed cleanup of 158 Hilton Avenue. Secured all stockpiles, equipment & materials in the Intersection Street Staging Yard in preparation of storm. Silvestri Landscaping completed grading, fertilizing and seeding of all work areas along the right of ways of Hilton Avenue and Kensington Court and in Mirschel Park. Developed one (1) injection point (OW-2-44) and two (2) monitoring points (MP-2-3S and MP-2-3D). Repaired cold patch at damaged well IPR-19S in the medical center parking lot.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, hand protection and storm safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-44	Date	9/3/2010	Gallons Recovered	13		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Volume (ml/min)**
0845	Not Measured	11.45	1.180	0.1	19.80	Cloudy	300
0900	Not Measured	7.61	0.654	0.0	17.63	Cloudy	400
0915	Not Measured	7.15	0.606	0.0	17.43	Cloudy	500
0930	Not Measured	6.97	0.553	0.0	17.71	Cloudy	500
0945	Not Measured	6.73	0.558	0.0	17.27	Cloudy	500
1000	Not Measured	6.68	0.541	0.0	16.69	Cloudy	500

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-2-3S	Date	9/3/2010	Gallons Recovered	50	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1245	Not Measured	6.31	0.580	0.3	18.91	Silty
1300	Not Measured	6.32	0.545	0.0	20.07	Cloudy
1315	Not Measured	6.39	0.506	0.0	20.33	Cloudy
1330	Not Measured	6.26	0.488	0.0	17.68	Clear
1345	Not Measured	6.21	0.468	0.0	17.48	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-2-3D	Date	9/3/2010	Gallons Recovered	60	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1045	Not Measured	11.49	0.886	0.2	17.52	Cloudy
1100	Not Measured	11.03	0.667	0.1	19.31	Cloudy
1115	Not Measured	6.92	0.599	0.0	20.31	Cloudy
1130	Not Measured	6.70	0.593	0.0	20.56	Cloudy
1145	Not Measured	6.47	0.521	0.0	18.36	Cloudy
1200	Not Measured	6.38	0.481	0.0	17.36	Cloudy

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 7, 2010
Weather Conditions:	Mostly Sunny ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Ed Knox	Local 138 (F&N)	Backhoe & Case
Mike Ryan	F&N	Support Truck
Megan Dascoli	URS	

Detailed Summary of Work Performed

Pressure tested injection point OW-2-44. Set up automatic sprinkler system in backyard of 158 Hilton Avenue. Removed old 2-inch diameter fence posts along 158 Hilton Avenue and Mirschel Park property line.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, hand protection and traffic safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

PRESSURE TESTING LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Time	Notes
OW-2-44	61	40	18.5	0900 - 0915	Found leak in 1" coupling - cut fitting out and replaced. Maintained 18.5 psi breakthrough for 5 mins.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	September 8, 2010
Weather Conditions:	Mostly Sunny ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Megan Dascoli	URS	

Detailed Summary of Work Performed

Installed and set steel post in concrete next to the garage at 160 Hilton Avenue to extend chain link fence to garage. Set up sprinklers with timers at 158 Hilton Avenue to water the seed automatically. Utilized box truck and hoses and watered seed in Mirschel Park and along the right of way of Kensington Court. Hoyler Electric installed electric lines from meter pan to remedial system enclosure before F&N workers arrived at the site.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and traffic while watering.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 9, 2010
Weather Conditions:	Mostly Sunny ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Megan Dascoli	URS	

Detailed Summary of Work Performed

Installed and set steel post in concrete next to the garage at 158 Hilton Avenue to extend chain link fence to garage. Utilized box truck and hoses and watered seed in Mirschel Park and along the right of way of Kensington Court.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and driving safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 10, 2010
Weather Conditions:	Mostly Sunny ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Mike Smith	F&N	
Robert McMurray	Silvestri Landscaping	
Mario Hercules	Silvestri Landscaping	
Megan Dascoli	URS	

Detailed Summary of Work Performed

Rerouted PVC electrical conduit in fenced area to avoid tripping hazard. Installed AC unit in wall of shed. Started to install additional fence sections between fence and 158 Hilton Avenue garage. Utilized box truck and hoses and watered seed in Mirschel Park and along the right of way of Kensington Court. Silvestri Landscaping installed gates on remedial system enclosure fence.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, electrical and driving safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 13, 2010
Weather Conditions:	Mostly Sunny ~70° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Kirk White	URS	

Detailed Summary of Work Performed

Installed two 2-inch diameter fence posts along the Parkside of 158 Hilton Avenue and set in concrete. Investigated voltage in the main panel and found two legs at 24 volts. The neutral at the pole is defective and must be fixed by LIPA. Relayed electrical problems in remedial system enclosure to Matrix for troubleshooting. Turned on sprinklers at 158 Hilton Avenue.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, electrical and driving safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 14, 2010
Weather Conditions:	Mostly Sunny ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck

Detailed Summary of Work Performed

Reset Belgian Blocks along the driveway of 158 Hilton Avenue and set with concrete and mortar mix. Installed small section of chain link fence from the 158 Hilton Avenue garage to the new fence between 158 and 160 Hilton Avenue. Conducted pressure testing at redeveloped injection points OW-2-28S, OW-2-31 and OW-2-36.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, electrical and driving safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

PRESSURE TESTING LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Time	Notes
OW-2-28S	73	60	19.5	1145 - 1215	No leaks found. Tested point 6 times and each test took 30 seconds for pressure to drop from 60 psi to breakthrough at 19.5 psi. Maintained 19.5 psi breakthrough for 5 mins.
OW-2-31	88	60	24	1220 - 1235	No leaks found. Tested point 5 times and each test took 1 minute for pressure to drop from 60 psi to breakthrough at 24 psi. Maintained 24 psi breakthrough for 5 mins.
OW-2-36	68	60	18	1240 - 1310	No leaks found. Tested point 5 times and each test took 30 seconds for pressure to drop from 60 psi to breakthrough at 18 psi. Maintained 18 psi breakthrough for 5 mins.

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 15, 2010
Weather Conditions:	Mostly Sunny ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
John Bonanno	F&N	
Kirk White	URS	

Detailed Summary of Work Performed

Removed old sections of stockade fence between Mirschel Park and 158 Hilton Avenue and installed new stockade fence from the 160 Hilton Avenue garage to the end of the remedial system fence enclosure. Utilized good portions of existing fence to patch damaged sections of stockade fence. Transported all trash and old sections of fence debris to the Intersection Street staging yard for disposal.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, Fence Installation JSA and working on uneven terrain.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	September 16, 2010
Weather Conditions:	Mostly Sunny ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Mike Ryan Jr.	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Kirk White	URS	

Detailed Summary of Work Performed

Removed all concrete from areas to be replaced along Kensington Court and Hilton Avenue with the exception of the driveway apron at 160 Hilton Avenue. Transported all removed concrete to the Intersection Street staging yard for stockpiling. Secured all work areas with temporary snow fence, barricades and traffic cones.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, Breaking Concrete JSA and heavy equipment operation.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 17, 2010
Weather Conditions:	Mostly Sunny ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Mike Mede	F&N	Dump Truck
Ed Knox	Local 138 (F&N)	Backhoe
Mike Ryan Jr.	F&N	On-Site until 7:30 PM
Kirk White	URS	
Greg Cote	Bi-County Concrete	
Leonardo Perez	Bi-County Concrete	
Juan Juarez	Bi-County Concrete	
Adrian Cruz	Bi-County Concrete	

Detailed Summary of Work Performed

Removed sections of concrete curb along Hilton Avenue and removed the driveway apron at 160 Hilton Avenue. Transported all removed concrete to the Intersection Street staging yard for stockpiling. Installed new curb and curb/gutter combination at the intersection of Hilton Avenue and Kensington Court. Installed new concrete driveway apron at 160 Hilton Avenue. Soil Mechanics conducted slump testing and collected concrete cylinders for future compression testing. Secured site with barricades around all work areas. Removed barricades at 160 Hilton Avenue at approximately 7:30 PM to allow access to apartment building parking lot. Watered seeded areas in Mirschel Park. High Point Engineering/Gallas Surveying on-site to conduct final field surveying for System #2.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, traffic safety, pedestrian awareness. Revised Concrete and Jackhammer JSAs.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

JOB #

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 679-4373

DATE 9-17-10

FIELD REPORT

CLIENT Fenly

CONTRACTOR Bi County

PROJECT Hilton Hempstead

	AM	PM
AIR TEMP.		
WEATHER	Sunny	Sunny

AREA WORKED Driveway to apartment Buildings

CONCRETE ☒ High early 10CC

ASPHALT ☐

OTHER ☐

TOTAL MATERIAL PLACED _____ PLANT INSPECTION YES ☐ NO ☒

CONCRETE

NO. OF CYLINDERS CAST 4 SLUMPS 3" CONCRETE TEMP. 87°

AIR CONTENT _____ ADMIXTURES _____

REINFORCING STEEL INSPECTION

LOCATION INSPECTED & APPROVED TYPE RE-BAR USED WWF GRADE _____

A) SAME AS ABOVE LOCATION ☐

B) ADDITIONAL OR DIFFERENT LOCATION ☐ _____

REJECTIONS ☐ EXPLANATION _____

SOILS

REMARKS Performed Inspection at above location. Concrete supplied was a High early supplied by Jenco Ready Mix. All concrete was poured with in allowable time frame WWF was place were driveway ramp is being placed.

INSPECTED BY W. Diaz

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783 • (516) 221-2333

New York City License No. 28

REPORT NO.: 1

REPORT OF CONCRETE INSPECTION AND TESTING

JOB NO.: 10-508 SM LAB NO. 5510

CLIENT:

Fenley & Nicol, 445 Brook Avenue, Deer Park, NY 11729

SHEET: 1 OF 1

PROJECT LOCATION:

158 Hilton Avenue, Hempstead

DATE OF INSPECTION: 09/17/10

GENERAL CONTRACTOR:

WEATHER:

CONCRETE CONTRACTOR:

AIR TEMP.:

Bi County

CONCRETE PRODUCER:

Jenco

BATCH PLANT INSPECTION

BATCH WEIGHTS - LB/CY		SOURCE AND TYPE	SPECIFIED CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS
CEMENT			4000 CUBIC YARDS
FINE AGGREGATE			
COARSE AGGREGATE			
WATER (GALS.)			
ADMIXTURE			

AGGREGATE GRADATION
Cumulative Per Cent Finer

	FINE AGGREGATE		COARSE AGGREGATE	
3/8"				
#4				
#8				
#16				
#30				
#50				
#100				
FM			FM	
MOISTURE			MOISTURE	

FIELD INSPECTION

LOCATION OF CONCRETE PLACEMENT:

Driveway to apartment complex

TEST SPECIMEN 4" WIDTH BY 8" LENGTH AREA 12.69 SQ.IN. UNLESS NOTED

ASTM	C-143	C-173	C-1064			C-39		
SEAL NO.	SLUMP INCHES	AIR %	TEMP. CONC. (°)	AGE DAYS	TOTAL LOAD	COMPRESSIVE STRENGTH P.S.I.	BREAK TYPE	SPECIFIC LOCATION REPRESENTED BY TEST CYLINDERS
278607	3.00	--	--	7	42212	3330	Type 5	
278608				28				
278609				28				
278610				28				

REMARKS: Cylinders tested with unbonded caps, top & bottom per ASTM C1231.

* No defects in test specimens.

Rob Hill(ACI # 00049686)
CYLINDER TESTED BY

Will Devine
FIELD INSPECTOR

SOIL MECHANICS DRILLING CORP

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783 • (516) 221-2333

New York City License No. 28

REPORT NO.: 1

REPORT OF CONCRETE INSPECTION AND TESTING

JOB NO.: 10-508 SM LAB NO. 5510

CLIENT:

Fenley & Nicol, 445 Brook Avenue, Deer Park, NY 11729

SHEET: 1 OF 1

PROJECT LOCATION:

158 Hilton Avenue, Hempstead

DATE OF INSPECTION: 09/17/10

GENERAL CONTRACTOR:

WEATHER:

CONCRETE CONTRACTOR:

AIR TEMP.:

Bi County

CONCRETE PRODUCER:

Jenco

BATCH PLANT INSPECTION

BATCH WEIGHTS - LB/CY		SOURCE AND TYPE	SPECIFIED CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS
CEMENT			4000 CUBIC YARDS
FINE AGGREGATE			
COARSE AGGREGATE			
WATER (GALS.)			
ADMIXTURE			

AGGREGATE GRADATION
Cumulative Per Cent Finer

	FINE AGGREGATE		COARSE AGGREGATE	
3/8"				
#4				
#8				
#16				
#30				
#50				
#100				
FM		FM		
MOISTURE		MOISTURE		

FIELD INSPECTION

LOCATION OF CONCRETE PLACEMENT:

Driveway to apartment complex

TEST SPECIMEN 4" WIDTH BY 8" LENGTH AREA 12.69 SQ.IN. UNLESS NOTED

ASTM	C-143	C-173	C-1064			C-39		
SEAL NO.	SLUMP INCHES	AIR %	TEMP. CONC. (F)	AGE DAYS	TOTAL LOAD	COMPRESSIVE STRENGTH P.S.I.	BREAK TYPE	SPECIFIC LOACATION REPRESENTED BY TEST CYLINDERS
278607	3.00	—	—	7	42212	3330	Type 5	
278608				28	63071	4970	Type 5	
278609				28	62351	4920	Type 5	
278610				28	61770	4870	Type 5	

REMARKS: Cylinders tested with unbonded caps, top & bottom per ASTM C1231.

*** No defects in test specimens.**

Rob Hill(ACI # 00049686)
CYLINDER TESTED BY

Will Devine
FIELD INSPECTOR

SOIL MECHANICS DRILLING CORP

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 20, 2010
Weather Conditions:	Mostly Sunny ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Ed Knox	Local 138 (F&N)	Backhoe
Kirk White	URS	
Leonardo Perez	Bi-County	
Adrian Cruz	Bi-County	
Juan Juzarez	Bi-County	
Louie DeFazio	Broman & Sons	Dump Trailer

Detailed Summary of Work Performed

Loaded unsuitable fill material and transported to National Grid Hicksville Facility for disposal. Removed concrete debris from along Hilton Avenue and Kensington Court work areas and transported to Intersection Street staging yard for stockpiling. Installed new curb along the east side of Hilton Avenue. Installed new concrete driveway apron, sidewalk flags and handicap ramp along Hilton Avenue and at the intersection of Hilton Avenue and Kensington Court. Soil Mechanics conducted slump testing and collected concrete cylinders for future compression testing. Secured site with barricades around all work areas. Watered seeded areas in Mirschel Park and along Kensington Court.

Health & Safety

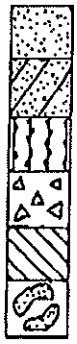
Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and electrical. Concrete pour and framing JSA review. Material handling JSA, and Traffic safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

JOB # 10-508



SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 679-4373

DATE 9/20/10

FIELD REPORT

	AM	PM
AIR TEMP.	61°	73°
WEATHER		

CLIENT Finley + Nicol
CONTRACTOR Bi-County
PROJECT 150 Hilton Ave. Hempstead

AREA WORKED Sections of sidewalks on Hilton Ave including aprons
CONCRETE ☑ at corner of Kensington + Hilton.
ASPHALT ☐
OTHER ☐
TOTAL MATERIAL PLACED 7 Yards PLANT INSPECTION YES ☐ NO ☐

CONCRETE

NO. OF CYLINDERS CAST 4 SLUMPS 3" CONCRETE TEMP. 80°
AIR CONTENT 5% ADMIXTURES

REINFORCING STEEL INSPECTION

LOCATION INSPECTED & APPROVED TYPE RE-BAR USED GRADE 60
A) SAME AS ABOVE LOCATION ☑
B) ADDITIONAL OR DIFFERENT LOCATION ☐ 6x6 W1.4x1.4 Mesh at Base.

REJECTIONS ☐ EXPLANATION

SOILS

REMARKS

INSPECTED BY Anthony Katsaras

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783 • (516) 221-2333

New York City License No. 28

REPORT NO.: 2

REPORT OF CONCRETE INSPECTION AND TESTING

JOB NO.: 10-508 SM LAB NO. 5582

CLIENT:

Fenley & Nicol, 445 Brook Avenue, Deer Park, NY 11729 SHEET: 1 OF 1

PROJECT LOCATION:

158 Hilton Avenue, Hempstead DATE OF

GENERAL CONTRACTOR: INSPECTION: 09/20/10

WEATHER:

CONCRETE CONTRACTOR: AIR TEMP.:

Bj County Concrete

CONCRETE PRODUCER:

Jenco

BATCH PLANT INSPECTION

BATCH WEIGHTS - LB/CY		SOURCE AND TYPE	SPECIFIED CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS
CEMENT			4000 CUBIC YARDS
FINE AGGREGATE			
COARSE AGGREGATE			
WATER (GALS.)			7
ADMIXTURE			

AGGREGATE GRADATION
Cumulative Per Cent Finer

	FINE AGGREGATE		COARSE AGGREGATE	
3/8"				
#4				
#8				
#16				
#30				
#50				
#100				
FM			FM	
MOISTURE			MOISTURE	

FIELD INSPECTION

LOCATION OF CONCRETE PLACEMENT:

Sections of side at 10 Hilton & corner of Kensington & Hilton Streets including aprons

TEST SPECIMEN 4" WIDTH BY 8" LENGTH AREA 12.69 SQ.IN. UNLESS NOTED

ASTM	C-143	C-173	C-1064		C-39			
SEAL NO.	SLUMP INCHES	AIR %	TEMP. CONC. (°)	AGE DAYS	TOTAL LOAD	COMPRESSIVE STRENGTH P.S.I.	BREAK TYPE	SPECIFIC LOACATION REPRESENTED BY TEST CYLINDERS
1690175	3.00	5.0	80	7	41711	3290	Type 5	Same as above
1690176				28				
1690177				28				
1690178				28				

REMARKS: Cylinders tested with unbonded caps, top & bottom per ASTM C1231.

*** No defects in test specimens.**

Rob Hill(ACI # 00049686) — CYLINDER TESTED BY

Andrew Katsalas — FIELD INSPECTOR

SOIL MECHANICS DRILLING CORP

SOIL MECHANICS DRILLING CORP.

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REPORT NO.: 2

REPORT OF CONCRETE INSPECTION AND TESTING

JOB NO.: 10-508 SM LAB NO. 5582

CLIENT:

Fenley & Nicol, 445 Brook Avenue, Deer Park, NY 11729

SHEET: 1 OF 1

PROJECT LOCATION:

158 Hilton Avenue, Hempstead

DATE OF INSPECTION: 09/20/10

GENERAL CONTRACTOR:

WEATHER:

CONCRETE CONTRACTOR:

AIR TEMP.:

Bi County Concrete

CONCRETE PRODUCER:

Jenco

BATCH PLANT INSPECTION

BATCH WEIGHTS - LB/CY		SOURCE AND TYPE	SPECIFIED CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS
CEMENT			4000 CUBIC YARDS
FINE AGGREGATE			
COARSE AGGREGATE			
WATER (GALS.)			7
ADMIXTURE			

AGGREGATE GRADATION
Cumulative Per Cent Finer

	FINE AGGREGATE		COARSE AGGREGATE	
3/8"				
#4				
#8				
#16				
#30				
#50				
#100				
FM			FM	
MOISTURE			MOISTURE	

FIELD INSPECTION

LOCATION OF CONCRETE PLACEMENT:

Sections of side at 10 Hilton & corner of Kensington & Hilton Streets including aprons

TEST SPECIMEN 4" WIDTH BY 8" LENGTH
AREA 12.69 SQ.IN. UNLESS NOTED

ASTM	C-143	C-173	C-1064		C-39			
SEAL NO.	SLUMP INCHES	AIR %	TEMP. CONC. (°)	AGE DAYS	TOTAL LOAD	COMPRESSIVE STRENGTH P.S.I.	BREAK TYPE	SPECIFIC LOCATION REPRESENTED BY TEST CYLINDERS
1690175	3.00	5.0	80	7	41711	3290	Type 5	Same as above
1690176				28	60791	4790	Type 5	
1690177				28	61376	4840	Type 5	
1690178				28	62095	4900	Type 5	

REMARKS: Cylinders tested with unbonded caps, top & bottom per ASTM C1231.

*** No defects in test specimens.**

Rob Hill(ACI # 00049686)
CYLINDER TESTED BY

Andrew Katsalas
FIELD INSPECTOR

SOIL MECHANICS DRILLING CORP

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 21, 2010
Weather Conditions:	Mostly Sunny ~70° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Ed Knox	Local 138 (F&N)	Backhoe
Kirk White	URS	
Louie DeFazio	Broman & Sons	Dump Trailer

Detailed Summary of Work Performed

Loaded unsuitable fill material and transported to National Grid Hicksville Facility for disposal. Cleaned up all debris around the Intersection Street staging yard. Watered seeded areas in Mirschel Park and along Kensington Court.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and heavy equipment operation.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 22, 2010
Weather Conditions:	Mostly Sunny ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Ed Knox	Local 138 (F&N)	Backhoe
Kirk White	URS	

Detailed Summary of Work Performed

Cleaned up Intersection Street staging yard of debris and filled roll-off. Unique Sanitation picked up full roll-off of trash and replaced with a new empty one. Removed all fencing around newly poured concrete areas. Raked out and spread top soil around areas disturbed during concrete restoration work. Lindley Brothers Asphalt marked out saw cuts marks for asphalt restoration.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, traffic safety and heavy equipment operation.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	September 23, 2010
Weather Conditions:	Mostly Sunny ~83° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Ed Knox	F&N	
Kirk White	URS	
Jim Williams	Broman & Son	

Detailed Summary of Work Performed

Loaded out all broken concrete from the Intersection Street staging yard for off-site disposal. Raised three (3) manholes in the 158 Hilton Avenue driveway and set with concrete at the proper elevation. Changed 12-inch bucket on the backhoe to the 30-inch bucket. Continued watering the newly seeded areas along Hilton Avenue, Kensington Court and in Mirschel Park.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, dust control, slips trips and falls and backhoe bucket changing safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 24, 2010
Weather Conditions:	Mostly Sunny ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Ed Knox	Local 138 (F&N)	Backhoe
Charlie Guzzardo	F&N	Dump Truck & Case Bobcat
Kirk White	URS	

Detailed Summary of Work Performed

Compiled all 55-gallon drums of drill cuttings into roll-off supplied by Clean Earth. Stockpiled drums that were reusable and crushed non-reusable drums for recycling at a scrap yard. Cleaned Intersection Street staging yard and loaded all garbage into the trash roll-off container. Continued watering the newly seeded areas along Hilton Avenue, Kensington Court and in Mirschel Park.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, drum handling, PPE and slips, trips and falls.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 27, 2010
Weather Conditions:	Partly Cloudy w/ Rain ~70° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck & Walk Behind Saw
Ed Knox	Local 138 (F&N)	Backhoe
Kirk White	URS	
Mike Smith	F&N	
Mike Ryan Jr.	F&N	Dump Truck
Billy Diaz	F&N	

Detailed Summary of Work Performed

Set up single lane closure as per traffic control plan. Saw cut all asphalt areas along Hilton Avenue, Kensington Court and 158 Hilton Avenue. Removed existing asphalt from the driveway of 158 Hilton Avenue and transported back to the Intersection Street staging yard for stockpiling.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, thunder & lightning procedures, traffic control and heavy equipment operation.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 28, 2010
Weather Conditions:	Partly Cloudy w/ Rain ~70° F
Hours of Operation:	7:00 AM to 11:30 AM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Ed Knox	Local 138 (F&N)	Backhoe
Kirk White	URS	
Mike Ryan Jr.	F&N	

Detailed Summary of Work Performed

Met with Soil Mechanics in the morning to discuss technical specifications for the asphalt work and arranged testing September 29, 2010. Unloaded road plates and stock piled at the Intersection Street staging yard. Resecured existing barricades on Hilton Avenue and placed new NO PARKING signs in place. Started installing in-line check valves on each poly oxygen supply line.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and electrical, thunder & lightning and heavy equipment operation.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report - Revision #1

F&N Project Number:	1002965
Date:	September 29, 2010
Weather Conditions:	Partly Cloudy ~80° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Mike Mede	F&N	
Mike Ryan Jr.	F&N	
Ed Knox	Local 138 (F&N)	Backhoe
Billy Diaz	F&N	
Kirk White	URS	
Jim Hill	Soil Mechanics	
Joe Roman	Lindley Bros.	
Martin Acvarenga	Lindley Bros.	
Jose Pena	Lindley Bros.	
Jose Bonilla	Lindley Bros.	
Javier Quintanilla	Lindley Bros.	
David Lindley	Lindley Bros.	
Jeff Masters	Lindley Bros.	
Timmy Megill	Lindley Bros.	
Ronald Cancion	Lindley Bros.	
John Abbale	Lindley Bros.	

Detailed Summary of Work Performed

Set up single lane closure as per traffic control plan. Removed existing asphalt from trench crossing Hilton Avenue and from the Kenisington Court intersection and transported back to the Intersection Street staging yard for stockpiling. Installed new asphalt along the Hilton Avenue & Kensington Court trench and on the northern side of the 158 Hilton Avenue driveway. Soil Mechanics conducted temperature testing of asphalt prior to placement and density testing along the Hilton Avenue trench.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, traffic control, proper PPE and asphalt work safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

JOB # 10-508

SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 679-4979

DATE 9/29/10

FIELD REPORT

CLIENT Fonely & Nicol
CONTRACTOR Lindley Bros.
PROJECT 158 Hilton Ave. Hempstead, NY
National Grid

	AM	PM
AIR TEMP.	69°	72°
WEATHER	Clear →	

AREA WORKED
CONCRETE ☐
ASPHALT ☑ - Asphalt Road repair located across Hilton Ave over the Trench Air Oxygen system was placed.
OTHER ☑ - Residential Asphalt driveway @ 158 Hilton Ave
TOTAL MATERIAL PLACED 29.89 TONS PLANT INSPECTION YES ☐ NO ☑

CONCRETE

NO. OF CYLINDERS CAST ____ SLUMPS ____ CONCRETE TEMP. ____
AIR CONTENT ____ ADMIXTURES ____

REINFORCING STEEL INSPECTION

LOCATION INSPECTED & APPROVED TYPE RE-BAR USED ____ GRADE ____
A) SAME AS ABOVE LOCATION ☐
B) ADDITIONAL OR DIFFERENT LOCATION ☐

REJECTIONS ☐ EXPLANATION

SOILS

REMARKS Lindley Bros. placed asphalt located in the two areas noted above. 3" of asphalt was set on Hilton Ave: 36D 2A BP was the material used. TLD 1½" courses were placed and compacted with a vibratory diesel plate tamper. Density test were performed on the top wearing course. The density test had a prerequisite of 95% of the materials Marshall value. The course was rolled until the test reached or exceeded the required 95%. The driveway at 158 Hilton was repaired. The temps taken on the loads ranged btw. 278°-294°F. All work was done in strict accordance to the site specs.

INSPECTED BY [signature]

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	September 30, 2010
Weather Conditions:	Mostly Cloudy ~75° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Dump Truck & Backhoe
Mike Ryan Jr.	F&N	Support Truck
Kirk White	URS	

Detailed Summary of Work Performed

Removed all barricades, signs and traffic cones from street and transported back to Intersection Street staging yard for storage. Continued to install check valves on each poly oxygen supply line. Demobilized backhoe from site at end of day.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, traffic control and first aid procedures.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	October 1, 2010
Weather Conditions:	Mostly Cloudy, Rain ~65° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Dump Truck & Backhoe
Ashton Ali	F&N	Vacuum Truck
Kirk White	URS	

Detailed Summary of Work Performed

Continued to install check valves on each poly oxygen supply line and started to connect injection points to system manifolds. Transported approximately 1,577-gallons of non-hazardous decontamination and development water to Clean Water of New York located in Staten Island, New York for off-site disposal.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, first aid procedures and vacuum truck JSA.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	October 4, 2010
Weather Conditions:	Mostly Cloudy, Rain ~60° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Dump Truck & Backhoe
Kirk White	URS	

Detailed Summary of Work Performed

Continued to install check valves on each poly oxygen supply line and continued to connect injection points to system manifolds.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and hand protection.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	October 6, 2010
Weather Conditions:	Mostly Cloudy, ~65° F
Hours of Operation:	7:00 AM to 4:00 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Kirk White	URS	
Matt Schieferstein	F&N	
Patrick Van Rossem	National Grid	

Detailed Summary of Work Performed

Completed installing check valves on each poly oxygen supply line and completed connecting injection points to system manifolds. Starting to install mesh screen to seal all forklift holes along base of shed. Conducted post construction walkthrough and developed punch list of items to be addressed.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and hand protection.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	October 11, 2010
Weather Conditions:	Sunny, ~65° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Kirk White	URS	
Matt Schieferstein	F&N	
Jason Falquecee	F&N	
Alan Setchell	Matrix Env.	Support Truck
Mike Tansy	Lindley Bros.	
Artoro Guzman	Lindley Bros.	
Marion Guilian	Lindley Bros.	

Detailed Summary of Work Performed

Conducted pre-startup inspection and testing activates. Recorded baseline monitoring point readings. Started up oxygen injection system and started to test injection banks. Continued to install mesh screen to seal all forklift holes along base of shed. Lindley applied seal coat to remainder of asphalt driveway at 158 Hilton Avenue.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and hand protection.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	October 12, 2010
Weather Conditions:	Sunny, ~65° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Kirk White	URS	
Matt Schieferstein	F&N	
Alan Setchell	Matrix Env.	Support Truck
Megan Dascoli	URS	
John Crespo	URS	
Patrick Van Rossem	National Grid	
Robert McMurray	Silvestri Landscaping	
Mario Hercules	Silvestri Landscaping	

Detailed Summary of Work Performed

Continued oxygen injection system startup activities and conducted training session on system operation. Left system full operation at end of day. Completed installing mesh screen to seal all forklift holes along base of shed and installed mesh screen on compressor exhaust vent. Started to empty drums of grout into roll-off container. Silvestri Landscaping started to dress up seeded areas noted on punch list.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines, hand protection and electrical safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	October 13, 2010
Weather Conditions:	Sunny, ~70° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Kirk White	URS	
Joe Palmeri	F&N	Backhoe
Robert McMurray	Silvestri Landscaping	
Armondo Lemus	Silvestri Landscaping	

Detailed Summary of Work Performed

Removed all temporary fencing from along Hilton Avenue and transported to Intersection Street staging yard for stockpiling. Moved all equipment and materials in Intersection Street staging yard to clear work area for gas line replacement. Silvestri Landscaping finished dressing up seeded areas noted on punch list.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and heavy equipment operation.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	October 14, 2010
Weather Conditions:	Mostly Cloudy, ~65° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Kirk White	URS	

Detailed Summary of Work Performed

Conducted O&M on remedial system and collected all readings from system and monitoring points. Dug up manhole at injection points OW-2-35 and found no problems at well. Checked flow meter and pressure gauge at injection manifold and found bad pressure gauge. Replaced gauge and restarted injection point. Dug up manhole at injection point OW-32 and found damaged poly hose. Removed damaged section of line and replaced with new section. Restarted injection point and line was working properly. Left system operating at end of day.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and system O&M safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Daily Project Report

F&N Project Number:	1002965
Date:	October 15, 2010
Weather Conditions:	Mostly Cloudy, Rainy, ~60° F
Hours of Operation:	7:00 AM to 3:30 PM

Labor

Name	Company	Equipment Utilized
Mike Ryan	F&N	Support Truck
Kirk White	URS	
Mike Ryan, Jr.	F&N	

Detailed Summary of Work Performed

Installed 8-foot grounding rod and #4 wire grounding cable and connected to base of shed with proper grounding clamps. Raked out seeded area along shoulder damaged by car. Demobilized F&N work truck and equipment from site at end of day.

Health & Safety

Tailgate Meeting	Observations
Discussed utilities in work areas including overhead lines and electrical safety.	None

Health & Safety Incidents

Description	Injuries	First Aid Performed	Recordable
NA	NA	NA	NA

Additional Information

MEETING MINUTES
PRE-CONSTRUCTION CONFERENCE
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, APRIL 29, 2010, 9:00 AM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Pre-Construction Conference. Agenda attached.

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Jon Sundquist, Megan Dascoli, Kirk White
Fenley & Nicol:	Matt Schieferstein, Lisa Sawicki, Mike Ryan

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1. Project Team/Lines of Communication

- National Grid:
  - Pat Van Rossem is overall NG project manager.
  - James Christman is liason with public.
  - Pat and James will handle project discussions with the community, and forward any press inquiries to National Grid Media Relations. James will provide hotline cards for Megan and Kirk to forward inquiries from the field.

- URS
  - Jon Sundquist is the Engineer's project manager, and primary contact with NG.
  - Megan Dascoli and Kirk White will be the Engineer's field inspectors, and will communicate both with Jon Sundquist and National Grid personnel.

- Fenley & Nicol
  - Matt Schieferstein is the F&N Project Manager
  - Lisa Sawicki is the Construction Coordinator and will be primarily responsible for much of the project paperwork
  - Mike Ryan will be the On Site supervisor for the work performed.
  - Jeanie B. will be the Health and Safety Officer and run the tailgate meetings. URS will attend these meetings.
  - F&N personnel shall direct questions on the work to URS personnel.

2. Health and Safety

- Pat Van Rossem led off the meeting emphasizing the overarching importance of safety during construction.
- Complete adherence with the requirements of the Health and Safety Plan is required.

- There will be periodic visits and health and safety audits by National Grid representatives. If this occurs, notify Pat or Jim so they can try to be on site when auditors are there. If Pat or Jim decide not to attend, URS will lead the auditors.

- If there are questions from the public or media, direct them to the National Grid hotline phone number or the National Grid Media Dept. James will give field staff business cards with hotline number on them to hand out as needed.

3. Weekly Meetings and Daily Reports

- F&N will draft the agenda of each weekly meeting, to be held at the site trailer.

- URS will run the meeting and prepare minutes of each meeting.

- Daily reports will be prepared by F&N by 10 AM the next morning and delivered to URS for review and approval.

- Well construction details will be provided on a daily basis by F&N. Matt Schieferstein will provide an example of the F&N boring log template prior to commencement of well installation. It is still to be decided whether F&N or URS will prepare the well construction logs. (Jon- what will this depend on?)

- F&N will maintain updated redline drawings in their office trailer reflecting the work performed and actual locations of wells and trenches.

4. Requests for Information and Change Orders

- Change orders are expected to be few or none due to the provision of multiple specific bid items that are used to reimburse the contractor based upon quantities used/performed.

- If changed conditions are encountered (e.g. an unknown underground storage tank is encountered during drilling), then costs to address these conditions need to be presented to URS in a formal change order request in accordance with the National Grid Terms and Conditions.

- If more than one change is requested, the change order requests are to be numbered and tracked in a log.

- F&N should request clarifications on the design through formal Requests for Information submitted to URS.

- Formal requests for information are to be numbered and tracked in a log.

5. Permits and Community Relations

- F&N will obtain the road opening permits. When this occurs, National Grid wishes to be more involved so that community can be notified of the work.

- James Christman may perform door to door communication with neighbors during road and sidewalk opening operations.

- Hours of work will typically be F&N personnel arriving on site at 7 AM with no noise-inducing activities starting before 8 AM. The typical work day will be 8 hours.

6. Community Air Monitoring

- URS will perform the community air monitoring activities in accordance with the CAMP dated April 2010.

- F&N is responsible for implementing their own HASP including air monitoring of the work area.

7. Construction Sequencing and Means and Methods

- F&N intends to install about 20% of the length of each system at a time, and will not sequence the project as "all wells" followed by "all trenching". Since the O_2 tubing will be seamless, a coil of extra tubing will be present at the end of each segment of trenching.

- F&N intends to install the entire section within Mirschel Park within one five-work-day period. If this is not possible, any trenches will be plated over the weekend.

- Matt Schieferstein indicated that so long as work is progressing and F&N maintains the marks, the utility call-outs remain in effect for the duration of the project.

- There was discussion about the possible need for separation of the oxygen tubing and the electrical conduit when they shared a trench. A final resolution on this issue was not reached in the meeting. (Jon- should we say here that the drawings show a 20 inch lateral separation?)

- The proposed equipment storage area will be relocated towards the east, just north of the construction trailers, to prevent possible interference with the temporary Medical Bldg. parking area to be constructed on-site in conjunction with the future soil stabilization treatment.

- The F&N trailer's electricity will be metered under a separate meter. There was concern that a separate account may take awhile to be established, and F&N should keep Pat posted of progress with this.

- The base of the trenches will be bedded with up to 6 inches of compacted fine tank sand before installing HDPE lines and connecting to injection points.To backfill trench, F&N will use excavated soil first, if it meets criteria, then use fine tank sand otherwise. Backfill materials will be placed in approximately 6-8 inch lifts and will be mechanically compacted with a vibratory plate compactor. Additional lifts will not be placed until the satisfactory field compaction tests are conducted by a third party laboratory. National Grid and URS agreed (as long as compaction requirements can be met). Also compaction will be verified in off-street locations first.

8. Scheduling

- F&N indicated that the rate limiting step for initiating construction is performing the surveying of the lines to accurately place the construction work, followed by procuring the well materials.

- Trench tubing will require two to three weeks for arrival following placement of the order. Well installation can start sooner.

- One call utility clearance requires at least 72 hour notice. Private utility clearance can be performed at any time.

- F&N will provide URS with an updated schedule as soon as possible, and National Grid is requesting this by Monday May 10th.

9. Corrections

These minutes shall stand as correct, unless objections are raised at Progress Meeting # 1 (Date to be determined).

10. Site Walk

- F&N will move System 2 line about 5 feet south of mapped location at slope on the west side of Mirschel Park to avoid area of boulders.

- Trees on the north side of 158 Hilton Avenue property were removed by the property owner.

- National Grid requests F&N to install a locking double gate to the System 2 shed from the parking lot area just north of the shed area; and install a locking man gate east of the shed for access into the Mirschell Park area. (Question could the double gate be installed on Mirschell Park side instead if preferred? Or is slope to steep to allow future vehicle access)

Prepared and Distributed by:

Jon Sundquist, URS

Reviewed and Approved by:

Pat Van Rossem, National Grid.

Enclosures:

- Agenda
- Sign-in Sheet

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein

file 11175065

4/29/10 Thursday
Preconstruction Meeting

Megan Dascoli,	URS
Mike Lyon	F+N.
Lisa Sawicki	F+N
Matthew Schiefelstein	F&N
Kirk White	URS
Jon Sundquist	URS
JAMES CHRISTMAN	NATIONAL GRID
Patrick Van Rossem	National Grid

Preconstruction Meeting Agenda
Offsite Groundwater Treatment
National Grid Intersection Street Site
Hempstead, NY
April 29, 2010

- Introduction/Project Team
- Lines of Communication
- Submittal Process
- Daily Reporting Procedures
- Procedures for Requests for Information and Requests for Change Orders
- Health and Safety, CAMP
- Overview of Remedial Construction Activities
- Construction Sequencing and Means and Methods of Construction
- Identification of issues that may impact schedule
- Construction Quality Contract/Quality Assurance
- Other business

MEETING MINUTES
WEEKLY PROGRESS MEETING #1
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, JUNE 3, 2010, 10:30 AM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached.

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Jon Sundquist (by telephone), Megan Dascoli
Fenley & Nicol:	Matt Schieferstein, Lisa Sawicki, Mike Ryan

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1. Progress since last meeting

- Installed 8 oxygen injection wells (OW-2-39 through -47)
- Completed Mobilization except for electric power to the F&N trailer.
- Completed utility mark-out and the surveyor laid out locations of wells and oxygen lines.
- Completed 4 soil borings at Oswego Oil.

2. Review of minutes from April 29, 2010 meeting

- Minutes were approved as submitted.

3. Open Items from previous meeting

- Boring logs: Matt Schieferstein will provide examples of the logs F&N is producing. These may be able to be used directly in the construction report. The logs will be forwarded to URS weekly.
- Separation of oxygen lines and electrical lines in trenches: F&N will maintain 18-inch separation of these lines. This will routinely require excavating a small supplemental trench in the bottom of the main trench.
- There was discussion about a "back-up" gate for the #2 system shed, with the gate opening up to the parking lot for 160 Hilton. Currently, there is no access agreement with 160 Hilton. Upon discussion with property owner after this mtg., only the gate from the design will be installed on the south end of fenced shed area- no additional man gate to the park, and no double gate to 160 Hilton Apartments will be installed.

4. **Field observations, problems, conflicts**

- There was discussion on the challenges that the slope just west of Mirschel park poses to oxygen well injection. After going over the options, it was decided that "Plan A" would be to install the injection wells where indicated through performing excavation to provide level platforms for the direct push rig. If this proved unfeasible, "Plan B" would be to adjust the locations of the injection wells along the hill by a few feet (final location subject to approval by the Engineer) to locations accessible to the rig. F&N installing these points in the slope as of June 8th.
- The location of the sanitary sewer lateral to 158 Hilton will require moving one pair of injection well slightly to the north. There are multiple points laid out by surveyors located along the sanitary line- these points will be moved a few feet to the north to avoid conflicts.
- Along Kensington Court injection well OW-2-10S,D needs to be moved west slightly to avoid conflict with the existing storm sewer connection and catch basin. The original plans actually call for the injection well be located just west of the catch basin and manhole. F&N will review this area with NG/URS at least two weeks in advance of any work to decide final alignments.
- There was discussion on minimizing the width and duration of limiting driveway access at 158 Hilton.

5. **Revisions to Construction Schedule**

- Trenching starting slightly later than planned. F&N to submit updated schedules periodically.

6. **Submittals**

- No open issues.

7. **Maintenance of quality and safety standards**

- No open issues.

8. **Pending changes and substitutions**

- No gates planned now, and the fencing changes discussed likely to maintain costs within estimated F&N pay item- F&N to confirm with fence contractor and advise NG/URS.
- F&N recommends installing a ball valve rather than a J-plug at the top of each injection well. This idea was accepted.

9. **Other business**

- There was discussion on invoicing. F&N is submitting the first invoice. Elements of work that are done on a unit price basis, such as the borings at Oswego Oil are to be included on a second page of the invoice as these items are not present in the schedule of values of the main project.
- The invoice approval process is
    - F&N sends a draft invoice to URS with a cc to Diana Parisi of National Grid.
    - URS will review first then discuss with National Grid for concurrence.
    - If acceptable to URS and NG, URS will e-mail back to all indicating approval.
    - F&N then submits actual invoice to National Grid, with just one copy to URS.
- There was discussion on the seven comments submitted by Emilcott, a third-party consultant retained by National Grid to review safety issues. These comments were considered appropriate except for continued discussion as to whether all subcontractors were required to have 40-hour OSHA training in cases where there is no contamination based exclusion zone, or no potential open exposure pathway.

10. Next Meeting

- The next meeting was tentatively scheduled for June 10, 2010 at 12:30. However, this may be moved to June 15th. Is the date is moved, URS will notify all parties.

Prepared and Distributed by:

Jon Sundquist, URS

Enclosures:

- Agenda

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein

file 11175065

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Thursday June 3, 2010, 10:30 AM

Site Trailer, Intersection Street, Hempstead, NY

- Review minutes of April 29, 1010 meeting
- Open items from previous meeting
  1. Well construction details – well construction logs
  2. Tubing electrical separation in trenching resolution
  3. System 2 gate placement
- Field observations, problems, conflicts
  1. Mirschel Park hill
- Problems which will/may impede construction schedule and proposed corrective action
- Revisions to construction schedule
- Progress during previous work period (April 29 – June 2)
- Review submittal schedules and expedite approval
- Maintenance of quality and safety standards
- Pending changes and substitutions
  1. Injection well head construction
- Other business as necessary
- Next meeting 6-10-10

MEETING MINUTES
WEEKLY PROGRESS MEETING #2
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, JUNE 15, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached.

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Jon Sundquist (by telephone), Cary Friedman, Kirk White
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

The hazards associated with poison ivy and ticks.
There was a discussion on recognizing poison ivy and where it may exist on the jobsite. Also discussed were the signs of having a tick bite which carries Lyme's disease.
Kirk passed pictures which depicted the different kinds of Ticks as well as a picture showing what poison ivy looks like.

1. Open items from last meeting

- After a review by Jon the boring logs will be accepted. Official notification will be sent.
- System 2 gate placements have been resolved and accepted. There will be no change from what was originally in the drawings.

2. Review of minutes from April 29, 2010 meeting

- For accuracy, Matt requested the one item discussed after the meeting be taken out of the meeting minutes since it was not discussed during that meeting. This was agreed upon, and Matt agreed to provide the plan for the Hilton Ave. crossing details the week of June 21. This will include the technical details, work sequencing and traffic safety.

3. Field Observations, Problems, Conflicts

- The finer grained sediments (FGS) zone and the surrounding areas will be reviewed and a solution will be reached by the end of the week. Matt will have a mechanic out by the end of the week to recharge the hammer. Cary pointed out that the observed FGS layer is wet and a discussion on the history of the borings took place.
- Material delivery delays are ongoing. Matt will try to expedite the process. A discussion on the reliability of the vendor and alternatives for future was had.
- The topsoil to be delivered is to be tested first for a chemical analysis. While waiting for the topsoil and due to the delay of the delivery of the well heads, it was determined to place the spoils from the excavation for the top 6" to original ground and tamp accordingly. At the time of seeding which is determined by season, 2" of the existing material will be excavated and replaced with topsoil.

4. Revisions to Construction Schedule

- Matt stated that Fenely & Nicol are a few days behind the schedule. F&N to submit updated schedules periodically.

5. Progress during previous work period (June 3- June 14)

- Oxygen Injection points have been installed up through OW-2-34.
- The trench in Mirschel Park has been excavated.
- 6" tank sand has been installed for the bedding.
- Seamless pipe has been connected to tee's as per plan from #47 - #34.
- The tank sand was installed and compacted with density checks accordingly up to 6" below original ground.
- Well drilling progress is pending the outcome of the 115A soil boring.
- French drain encountered during excavation has been restored.

6. Submittals

- F&N is to submit Traffic and Safety Plan by end of week 06/18/2010.
- In addition to traffic safety issues, Pat requested that F&N provide a detailed plan on how they propose to go under Hilton Avenue.

7. Maintenance of quality and safety standards

- URS requested the attachment of the density reports to the daily reports when they become available and sent in a broadcast e-mail.
- URS asked for the daily reports to be sent in a more timely fashion
- F&N will send a broadcast e-mail for the weekly agenda to a revised list of those involved with the project.
- URS requested that F&N have their HASP updated to show all MSDS materials utilized on the site.

- URS requested that F&N have their HASP signed accordingly.
- URS requested that F&N have a file on site with certifications for Hazmat for all project personnel in the work zones.
- F&N agreed and will comply in a timely fashion.
- F&N stated that there is a decontamination pad on site and the previous decontamination pad will be disposed of accordingly.
- National Grid requested URS to inspect the decontamination pad. URS agreed.

8. Pending changes and substitutions

- F&N reported that there will be no additional charges for fence or gate installations.
- F&N will research specifications on issue with surveying properties. This will be open for further discussion.

9. Other business

- URS requested that F&N maintain all properties after drilling. Topsoil and seeding will be utilized to repair damages due to work in progress. F&N agreed to maintain the properties.
- URS will rewrite the CAMP appendices for the COP to include active work in progress for monitoring purposes.
- URS will supply an updated HASP to be placed in office trailer.

10. Next Meeting

- Pat requested the next meeting to be held on June 24, Thursday, @ 12:30 PM.

Prepared and Distributed by:

Kirk White and Jon Sundquist, URS

Enclosures:

- Agenda

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein

file 11175065

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Tuesday June 15, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Review minutes of June 3, 2010 meeting
- Open items from previous meeting
  1. Boring logs – Will F&N's be accepted?
  2. System 2 gate placement – resolved after meeting – no additional gates
- Field observations, problems, conflicts
  1. Confining layer observed at approximately 72'
- Problems which will/may impede construction schedule and proposed corrective action
  1. Delivery Delays – Holbrook Pipe (Minority company) – Calling everyday
  2. Topsoil delivery – needs chemical analysis
- Revisions to construction schedule
- Progress during previous work period (June 3 – June 14)
- Review submittal schedules and expedite approval
  1. Traffic Safety Plan
  2. Property Condition Assessment – Shed
- Maintenance of quality and safety standards
- Pending changes and substitutions
  1. Wellhead modification and Survey change orders
- Other business as necessary
- Next meeting 6-24-10 @ 12:30 PM

MEETING MINUTES
WEEKLY PROGRESS MEETING #3
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

FRIDAY, JUNE 25, 2010, 10:30 AM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached.

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Jon Sundquist (by telephone), Megan Dascoli, Kirk White (by telephone)
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Wearing the proper PPE for the task at hand at home and in the work place: There was a discussion on the situations that proper personal protection equipment was applicable around the house and in the workplace. Some examples were when using a cutting tool of any kind, leather or Kevlar gloves should be worn both at home and in the workplace. Some situations in the workplace were also discussed as to the application of PPE.

Megan also discussed the uneven terrain in the work areas and measures taken to rectify them. Pat suggested the work areas be cleaned of any clutter as to prevent tripping hazards in the workplace.

1. Review of minutes from June 15, 2010 meeting

- The minutes were accepted with the changes recommended by those who had commented on the draft.
- URS to send out final versions of previously accepted minutes.

2. Open items from last meeting

- Boring logs are accepted with minor changes.
- Fine grain sediment zone was discussed at length. The shallow wells will be installed just above the fine grain sediment zone, and the deep wells at the elevations originally specified. A formal Construction Directive will be sent by URS.

- The manhole delivery delays have been resolved as the manholes have been delivered on 6/21/2010. They have been installed on wells from 47 to 34 and at two monitoring wells. Only the oxygen wells in the park will have the manholes installed below grade. They will be flush at paved areas and slightly recessed in the grass strip areas. We should discuss this again today as I thought that we agreed to 1) ALL O2 well covers installed 3-4 inches below grade in all grass areas; 2) Flush mounted and slightly recessed O2 wells in asphalt areas; 3) GW Monitoring wells- were going to be at grade in grassy areas due to more frequent access needs?
- The topsoil delivery is still awaiting the final analytical results. F&N will forward the results to URS.

3. Field Observations, Problems, Conflicts

- URS noted the drillers are progressing very well with the second drill rig in use. URS noted that having two men on each drilling rig with a fifth man to watch and direct the two crews was very helpful.
- F&N noted that Glacier? would like to publish an article regarding the different aspects of drilling on this particular job. NG requested rights to review the article prior to publication. F&N agreed to NG's request.
- There was a discussion on progress of the work and the schedule.

4. Problems which will/may impede construction schedule and proposed corrective action

- F&N discussed the upcoming weeks work and what was expected for scheduling purposes. F&N expects to be out of the property at 158 Hilton Avenue by end of workday on Wednesday, July 1, 2010.
- URS requested notification one day prior to resuming the trench work.
- There was a discussion on the required depths of the wells and was open to further investigation with relationship to the depths acquired at each well.
- F&N stated that they would investigate alternatives ("Plan B") to the drilling procedures used in the case that the rig can not push 4½-inch rods to the depths required.

5. Revisions to Construction Schedule

- Discussed under Agenda Item #4 above.

6. Progress during previous work period (June 15- June 24)

- The well manholes have been installed and completed from #47 up to and including #34. The trench was backfilled accordingly.
- Wells have been drilled up to #22S
- There was a discussion on the depth of the manholes in grassy areas and in the asphalt and concrete areas. NG requested the manholes to be set as to not create

any tripping hazards. NG requested manholes to be set as to not have water pooling on the manhole. F&N will set manholes so as to not create any tripping or pooling of water.

- Matt will coordinate with James Christman regarding no parking signs and sprinkler operation for work along Hilton Avenue.

7. Submittals

- F&N has traffic control plan and will review with NG. F&N will forward the traffic control plan for submittal on Monday, June 28, 2010 to URS.
- F&N also has to submit plans on how they plan to install the conduit under Hilton Ave.
- NG requested F&N to research a finish look for the driveway such as seal coating or similar, after work has been completed.
- URS will forward the revised HASP.

8. Maintenance of quality and safety standards

- There was a discussion and an agreement to move this item as the next item below Field observations.
- F&N will consolidate agenda items accordingly.

9. Pending changes and substitutions

- There was a discussion pertaining to the last two wells to be drilled for system 2. After the discussion it was determined to eliminate well OW2-1 and move OW2-2 toward the property line.
- F&N requested the changes be put in writing as a formal construction directive.

10. Other business

- F&N requested URS to confirm the depths of wells drilled in the daily reports. URS will review the depths.
- Application for payment approval process was reviewed. Additional information on the work invoiced is requested.
- The fence at 158 Hilton is only replaced with a temporary fence as it will have to be disturbed again when the area is trenched.
- URS will set up an account for the delivery of water to the trailer.

10. Next Meeting

- Next meeting is scheduled for Tuesday, July 6, 2010 @ 12:30 PM.

Prepared and Distributed by:

Kirk White and Jon Sundquist, URS

Enclosures:

- Agenda

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein

file 11175065

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Friday June 25, 2010, 10:30 AM

Site Trailer, Intersection Street, Hempstead, NY

- Review minutes of June 15, 2010 meeting
- Safety Moment
- Open items from previous meeting
  1. Boring logs – Will F&N's be accepted?
  2. Fine Grain Sediment zone at approximately 72'- discussion
  3. Delivery Delays – Holbrook Pipe (Minority company) – Calling everyday – Manholes delivered 6/21/10
  4. Topsoil delivery – analysis pending
- Field observations, problems, conflicts
- Problems which will/may impede construction schedule and proposed corrective action
- Revisions to construction schedule
- Progress during previous work period (June 15 – June 25)
- Review submittal schedules and expedite approval
  1. Traffic Safety Plan
  2. Revised HASP – submitted 6/22
  3. Property Condition Assessment – Shed – submitted 6/22
- Maintenance of quality and safety standards
- Pending changes and substitutions
- Other business
  1. Daily Reports
  2. Hilton Ave Apartments - shoulder parking & sprinklers
  3. Application for payment approval process
- Next meeting 6-29-10 @ 12:30 PM

MEETING MINUTES
WEEKLY PROGRESS MEETING #4
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, JULY 6, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached.

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Jon Sundquist (by telephone), Megan Dascoli, Kirk White
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Pat Van Rossem provided literature on heat stress and the preventative measures to be taken to avoid heat stress. There was a discussion on the signs of heat stress such as dry skin, dizziness, headache, and muscle spasms. The preventative measures to be taken such as frequent breaks, staying hydrated, and using the buddy system were also discussed.

1. Review of minutes from June 25, 2010 meeting

- URS will make the corrections suggested by NG and F&N and resubmit to all parties.

- There was a discussion to confirm the proper elevations of the proposed manhole covers. It was determined that the manholes in the concrete and asphalt were to be set flush and manholes in grassy areas were to be set at 4" below top of topsoil. All monitoring wells are to be set so they can be accessed.

2. Open items from last meeting

- Fine grain sediment zone: Has been resolved and a written construction directive to be sent out by URS by end of business day.

- Topsoil delivery: There was a discussion concerning the laboratory which was handling the analysis of samples submitted. F&N stated the lab will have the analysis completed before the holding time of the samples expires.

- Kensington Court: URS will combine the written construction directive and send out to all parties.

3. Field Observations, Problems, Conflicts

- There was a concern brought up by URS about the planning to allow access and egress from 160 Hilton Avenue apartments. NG requested notification from F&N a minimum of two business days so the owner of the property could be notified of the construction work to be performed. NG requested F&N submit a written plan in e-mail format for URS to review as soon as possible. F&N agreed to give NG notice and to submit the written plan. NG requested the driveway be accessible at all times with a delay of no longer than 15 minutes at any given time. F&N stated that a steel plate would be in place to cover the excavation and allow accessibility for vehicles coming and going. A time frame for the excavation will be studied conducive to the traffic in and out of the apartments. URS suggested between 10:00 AM and 11:30 seemed to be the least amount of traffic. It was agreed to monitor and try to determine the best times to excavate the driveway.

- There was a discussion as to the depth of well # 12 and whether to develop the well at the depth of 93' or drill at another location. The well was accepted by NG/URS at 93'.

- There was a discussion on the feasibility of using augers for the monitoring wells due to problems occurring in the field with friction. URS indicated that with better footing, there was better success at withdrawing the stuck rods. NG requested there be more information provided before a determination was to be reached. This subject has been tabled for future discussion.

4. Problems which will/may impede construction schedule and proposed corrective action

- URS requested this item be taken off of the agenda as the previous item covers the subject.

5. Revisions to Construction Schedule

- URS requested an updated schedule be submitted by F&N to give a comprehensive timeframe for future progress. F&N stated a schedule will be forthcoming.

6. Progress during previous work period (June 25 - July 5)

- URS stated that the trenching and backfilling process has progressed out of Mirschel Park and the property fence along the backyard of 158 Hilton has been closed. The backfill for the slope up the hill of Mirschel Park was the original

material excavated. Trenching continues out of the treatment system pad and alongside the garage area. Electric conduit has been installed in the existing trench with the appropriate marking tape as well as the marking tape for the seamless pipe. A 6" sand bed has been installed and compacted in the 158 Hilton properties. There have been undesirable materials, i.e. bricks, concrete block and other miscellaneous debris, along the garage area. Backfill in this area will be tank sand. A determination in the field will be made as to the desirability of the materials excavated as the trenching progresses. NG requested pictures of the material.

- URS stated that the drilling process has been slower due to the materials encountered and the soft ground.

- F&N requested a construction directive be sent to start work on #10 well. URS stated that a directive will be sent out by the end of the business day.

7. Submittals

- Submittals are up to date.

- The traffic submittal approved by URS will now go through NG safety review and then go to the village DPW.

8. Maintenance of quality and safety standards

- URS noted that daily reports were behind schedule. These should be provided in drat format by 10 AM the following day.

9. Pending changes and substitutions

- none.

10. Other business

- F&N requested help from NG to expedite the electric connections for the treatment system. NG suggested F&N to follow up with the proper paper work submittals. NG also suggested to F&N they request the hook up as soon as possible so the process does not fall behind the schedule. F&N stated that the paper work was NG responsibility and there was no requirement in the specifications for F&N to submit such paper work.NG requested that URS research the specifications to determine responsibility for the paper work for electrical hook ups.

- URS suggested that the treatment system may be inspected as a courtesy by URS personnel prior to shipment out of the Buffalo area. F&N stated that no inspection was scheduled at the present time. The discussion was tabled for a later date.

10. Next Meeting

- Next meeting is scheduled for Tuesday, July 13, 2010 @ 12:30 PM.

Prepared and Distributed by:

Kirk White and Jon Sundquist, URS

Enclosures:

- Agenda

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein

file 11175065

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Tuesday July 6, 2010, 12:30 AM

Site Trailer, Intersection Street, Hempstead, NY

Safety Moment

- Review minutes of June 25, 2010 meeting
- Open items from previous meeting
  1. Fine Grain Sediment zone – resolved – pending written construction directive
  2. Topsoil delivery – analysis pending
  3. Kensington Court – injection point OW2-1 & OW2-2 pending written construction directive
- Field observations, problems, conflicts
- Problems which will/may impede construction schedule and proposed corrective action
- Maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (June 25 – July 2)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting 7-13-10 @ 12:30 PM

MEETING MINUTES
WEEKLY PROGRESS MEETING #5
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

TUESDAY, JULY 13, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached.

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Jon Sundquist (by telephone), Megan Dascoli
Fenley & Nicol:	Matt Schieferstein, Mike Ryan

Safety Topic of Meeting

Megan Dascoli discussed the importance of defensive driving techniques, including keeping up to 4 seconds distance between you and the car ahead, and frequently checking ahead, behind and to the side of you for traffic conditions.

1. Review of minutes from July 6, 2010 meeting

- No changes to the minutes were requested at the meeting.

2. Open items from last meeting

- Topsoil delivery: The analysis of the top soil failed the Part 375 Table 6.8(b) levels for chromium. The submittal will be rejected.

- 160 Hilton Ave. driveway access:

    - This work will require about 2 hours, and will start at 10 AM, which is the start of when the least amount of traffic is observed. The work will start on 7/19.
    - F&N will have road plates available to allow access across the trench; however, it will take more than 15 minutes to place these.
    - James Christman will reach out to the building owner to discuss plans.
    - F&N will install extra tubing (up to ~5 tubes) through the sleeves while the sleeve is being installed, assuming there is extra tubing available from cutting of the scheduled tubes. A formal construction directive will be sent by URS.

- Monitoring well installation:

    - Matt indicated that HSA drilling would be required to install the deep wells.
    - Because three of the four remaining wells are deep wells, all four will be installed with HSA drilling.
    - F&N will submit a Request for Information (RFI) to URS to suggest use of the HSA technique for these wells, explaining the need for this technique.

- Power to the oxygen generation trailers:

    - F&N is setting up the power drops. They are meeting with the LIPA planning department.
    - Two checks are required: a deposit and the first month's usage amount.
    - There was disagreement over whether the capital cost of the power drop was the responsibility of F&N.

3. Field Observations, Problems, Conflicts, Problems which will/may impede construction schedule and proposed corrective action, Maintenance of quality and safety standards

- For the two shallow wells at the corner of Hilton and Kensington, the 7720 rig got refusal at ~50 feet bgs and these wells had to be completed with the 8040. It was installed at the depth of the other shallow wells in that area, since the criteria of "at refusal using the 7720" could not be used to select depth.

- F&N expects to be finished using the 8040 rig from Glacier by Friday.

- OW-2-44 has an obstruction that prevents insertion of the tube for development. F&N says this well will have to be replaced.

- Last week, there was discussion on a small limb that was knocked down on the sidewalk of Hilton Ave. when a piece of equipment drove past. Pat reported this as a near miss. There was also discussion this week on whether an automobile accident by the driller subcontractor Glacier needed to be reported. The accident occurred Monday as the driller was traveling from their home station in Connecticut to the work site.

- At 158 Hilton, much of the excavated soil can not be reused because of roots and other debris. However, an estimated 10 CY of soil (estimate agreed upon by both Mike Ryan and Kirk White) can be reused as fill. For trenching invoicing for this section, this 10 CY will be converted into linear feet (based on a 3 x 3 foot trench cross section) of reused soil to be applied as a credit rather than the credit applied

for imported fill. Both of these are credits compared to the base estimate using flowable fill.

- Cold patch should be used on the temporary patching of the 160 Hilton driveway.

4. Revisions to Construction Schedule

- N/A

5. Progress during previous work period (July 6 - July 12)

- Not explicitly discussed.

6. Submittals

- No discussion

7. Pending changes and substitutions

- N/A

8. Other business

- Megan and Kirk are to continue to review the daily reports as soon as they are available (required at 10 AM each following day). If no changes are noted by Megan or Kirk, these will be formally approved.

- The use of #2 sand above the well screen was discussed. It was noted that the drawings, calling for #2 sand, did not presume use of prepack wells. The #00 sand called for by the drawings was the sand used around the screen of the prepacked wells. URS approved the use of #2 sand above the screen to keep bentonite away from the screen.

- System #1 construction can not start until access is granted by LIRR.

10. Next Meeting

- Next meeting is scheduled for Tuesday, July 20, 2010 @ 12:30 PM.

Prepared and Distributed by:

Kirk White and Jon Sundquist, URS

Enclosures:

- Agenda

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein

file 11175065

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Tuesday July 13, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

Safety Moment

- Review minutes of June 25, 2010 meeting
- Open items from previous meeting
  1. Topsoil delivery - analysis pending - submittal sent
  2. 160 Hilton Avenue- apartment access
  3. Monitoring point installation
  4. Electric account- set-up fees for remedial system
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (July 6- July 12)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
  1. Daily Report Approval
  2. Well Construction Modification
- Next meeting 7-20-10 @ 12:30 PM

MEETING MINUTES
WEEKLY PROGRESS MEETING #5
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

TUESDAY, JULY 20, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached.

ATTENDEES:

National Grid	Patrick Van Rossem,
URS:	Jon Sundquist (by telephone), Megan Dascoli, Kirk White
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

There was a discussion on lifting safety with some of the following topics included.

- Wearing the proper PPE, such as steel toed boots, for lifting heavy objects.
- Gloves should also be worn dependent on the object to be lifted.
- The weight of the object should be assessed before it is to be lifted, to avoid lifting an object heavier than your capabilities.

Utilizing the proper technique to lift an object should include:

- You should lift with your legs while keeping your spine straight and head looking upwards.
- You should never twist your core or stomach to reach to an object.

NG reported that due to updated standards the morning safety meeting should review excavations to be performed on a daily basis and the existing utilities should be reviewed. NG reported that a new policy has been implemented and a 10 day mark out directive will be standard policy hence forth. There was a discussion on the feasibility of this directive and NG will investigate as to whether the contractor can refresh the mark out or the One Call should be made.

1. Review of minutes from July 13, 2010 meeting

- URS will make the corrections suggested by NG and F&N and resubmit to all parties.

- It will be noted that a revised schedule had been submitted.

2. Open items from last meeting

- Topsoil delivery: F&N reported that they are waiting for the official rejection notice from URS. URS responded that the official notice will be sent out. F&N reported that they are corresponding with a possible new source for topsoil. NG recommended expediting the process as seeding season is approaching. NG requested URS investigate the date which the seeding season starts.

- Electric account: A discussion ensued by all parties as to the fee which may or may not be incurred when the electric for the treatment system is hooked up. URS quoted the specification that stated the contractor will be responsible if such a fee is incurred. NG would like to revisit the subject after further investigation. F&N reported that the work ticket has been submitted to the proper utilities.

- There was a discussion pertaining to the new well location for the failed well. It was determined that the new well be located 2' away from the existing well towards the hill. F&N reported that the pre pack has been ordered but no delivery date has been determined.

3. Field Observations, Problems, Conflicts, Problems which will/may impede construction schedule and proposed corrective action, Maintenance of quality and safety standards

- NG requested that URS (specifically Megan) monitor the well development procedures and methods used. URS agreed to the request.

- F&N reported the schedule for crossing the apron at 160 Hilton Ave. driveway access will commence on Tuesday, July 27, at 10:00 A.M.

- F&N reported the excavation, installation, and backfill should take approximately two hours time.

- F&N reported that the delivery of the sleeves for the crossing has been delayed but should be delivered before the start date.

- URS requested NG to start the process of tree removal on the North side of the property known as 158 Hilton Ave. in the back where the proposed treatment system will be placed. NG agreed to investigate further.

- URS requested direction from NG on the proposed materials to be used at the end of the paved drive to the end of the existing house. URS reported evidence of a

stone base that could have been existing along the aforementioned area. NG reported to investigate the feasibility of placing 2"of three quarter clean stone on top of a filter fabric.

- NG requested that F&N investigate area and pricing for the possible work to be performed.

- URS requested some clarification on use of the recycled concrete material. F&N reported that the recycled concrete was standard material used on Long Island for road base prior to paving. URS requested more time to investigate further.

- NG requested that the day of the eye wash delivery be documented on the daily reports. NG also requested that F&N expedite the delivery and that this item should be one of F&N's top priorities.

- There was a discussion on the pressure used for "breakthrough" at the injection wells. NG requested that F&N share the data collected with URS preferably on the daily reports.

- F&N reported that the data is will be on the daily reports for URS to review. URS agreed to analyze the data on the daily reports.

4. Revisions to Construction Schedule

- F&N reported again that the apron in the driveway at 160 Hilton Ave. will be excavated on July 27.

- F&N reported that the roadway crossing will commence on August 3.

5. Progress during previous work period (June 25 - July 5)

- URS reported that the wells have been completed and that the borings were also complete.

- F&N reported the well development has been completed in Mirschel Park.

- URS reported the excavation up to the end of the paved driveway, where the pavement meets the sidewalk, has been excavated to the proposed depths.

- URS reported the electric line has also been installed with the appropriate marking tape up to the end of aforementioned excavation.

- URS reported that the tees and ball valves have been installed.

- URS reported that the seamless pipe has been run for all injection points and connected to those injection wells previously installed (ow-2-16d/ow-2-47).

- URS reported that 6" tank sand bedding was installed with 1'of tank sand cover over the seamless pipe.

6. Submittals

- F&N reported the topsoil submitted has been rejected due to a high content of chromium.

- F&N requested URS send out the official rejection notice. URS agreed to send out the rejection notice.

- NG requested that F&N expedite the process of finding a new source for topsoil. F&N agreed to expedite the process as seeding season is approaching.

- NG requested that F&N submit the profile data on the excavated soils to URS for review.

7. Other business

- F&N reported that the delivery of system 2 building is currently on schedule.

- F&N reported that the manufacturer, Matrix, is open to the inspection of the system two building prior to the delivery date.

- There was a discussion on the payment method for using both drill rigs, the 8040, and the 7720. This subject was tabled for a later discussion.

- F&N and URS agreed to keep the daily reports at the depths drilled.

- It was also agreed that the final as-built chart will show proposed depths and actual depths drilled.

10. Next Meeting

- Next meeting is scheduled for Wednesday, July 28, 2010 @ 12:30 PM.

Prepared and Distributed by:

Kirk White and Jon Sundquist, URS

Enclosures:

- Agenda

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein

file 11175065

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Tuesday July 20, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

Safety Moment

- Review minutes of July 13, 2010 meeting
- Open items from previous meeting
  1. Topsoil delivery
  2. Electric account- set-up fees for remedial system
  3. OW-2-44 Replacement Material ordered 7/16/10
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (July 13-July 19)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting 7-27-10 @ 12:30 PM

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, JULY 28, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached.

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Jon Sundquist (by telephone), Kirk White
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Matt Schieferstein brought up the timely subject of utilities and the procedures followed to have the utilities marked out for construction and excavation. Some of the topics discussed were as follows:

A) The contractor should call in or e-mail for a mark out a minimum of 72 working hours prior to the beginning of work.
B) Review of the emergency mark out procedures.
C) The phone calls and e-mails are documented with the time and date.
D) E-mailing can expedite the procedure.
E) Reviewed the color codes and the accepted tolerance zones.
F) As a courtesy, the contractor should extend the marks when the original mark out will be erased.

There was a further discussion pertaining to residential construction and the importance of utilizing the One Call.

1. Review of minutes from July 20, 2010 meeting

- There were no comments or changes suggested to the previous week's minutes**.**

2. Open items from last meeting

- **Topsoil delivery**

- F&N reported the topsoil has been delivered to the appropriate laboratory facilities.
- F&N reported the supplier is Hubbard Sand and Gravel and the proprietor was confident the topsoil would pass the required analysis.
- F&N reported that they will submit the data from the analysis once it is received.

- **OW-2-44 replacement schedule**

  - F&N reported to have received the pre-packs necessary to proceed with the replacement of the well.
  - NG requested information on the accessibility of 158 Hilton Ave. where the monitoring wells are to be drilled.
  - F&N reported that the property was accessible.
  - NG requested that F&N schedule the drilling as soon as possible.
  - NG requested that URS review their schedule in reference to oversight availability.
  - F&N requested the subject to be tabled until F&N could check on the availability of the subcontractor Glacier drilling.
  - F&N confirmed that there are four proposed monitoring wells yet to be drilled.

- **Tree removal**

  - NG reported to have spoken with the property owner at 158 Hilton Ave. with regards to the two trees by the proposed location of the treatment system. NG requested the trees be removed and replaced with smaller trees. The property owner asked for some time to think about it.
  - NG requested F&N submit a proposal for working around the bigger trees in the future so no damage to the trees will be incurred.
  - F&N reported that they will respond.
  - URS requested that F&N either hand dig or ball the existing smaller trees in the grassed easement at 160 Hilton Ave.
  - F&N reported to have already spoken to the field superintendant, Mike Ryan, and directed him to have his crew very carefully hand dig around the trees.

3. Field Observations, Problems, Conflicts, Problems which will/may impede construction schedule and proposed corrective action, Maintenance of quality and safety standards

- NG reported that the property of 158 Hilton Ave. has some blockage with sand in the upstairs bathroom tub.
- URS reported the sanitary clean out cover in the excavated drive way area has been cracked and broken.
- F&N reported that they will replace the sanitary clean out cover in the drive way.
- F&N reported that they will investigate the “clogged tub” further to find a probable cause to the blockage.
- URS requested information on the schedule to clean up 158 Hilton Ave. property (the back fence up to the sidewalk area).

- F&N requested time to speak with the onsite superintendant, Mike Ryan, to review the scheduled work. F&N reported that a schedule to clean up will be given on Thursday, July 29.
- URS requested information from F&N for the proposed repairs due to the undermining of the sidewalk in front of 160 Hilton Ave.
- F&N reported that they will replace the sidewalk pending review in the field with URS and F&N.

4. Revisions to Construction Schedule

- F&N reported that the schedule is in good standing.
- F&N reported that the road crossing schedule will take precedence over all other scheduled work so that the road crossing can be completed on the scheduled dates.

5. Progress during previous work period (July 20 - July 27)

- Pressure testing for the installed injection wells was completed.
- Excavation and installation up to the telephone pole along Hilton Ave. and the end of 158 Hilton Ave. driveway has been completed. Density tests were performed accordingly.
- Man holes have been installed and concrete has been placed around man holes to keep them in place.
- The surveyor was on site to as built the man holes accordingly.
- The electric pull box has been installed with conduit leading to the utility pole.
- The apron crossing at 158 Hilton Ave. has excavated and the sleeve installed with 6”bedding of tank sand and 1’ cover of tank sand. 6” of a road base material was installed and tamped with another 6” installed on top and tamped as well. 1” of cold tar was used to seal the apron which was also tamped accordingly.
- The injection well development is ongoing.
- The electrician was on site and installed the H panel with the appropriate boxes. The meter has been ordered but not yet installed.
- Safety fence and the appropriate layout of cones have been set up for the upcoming easement work along 160 Hilton Ave.

6. Submittals

- F&N reported the excavated soil is under analysis and will be submitted using a profile format.
- NG requested the 110 waste profile be forwarded to URS for review and then passed on to NG.
- F&N reported that they would also submit the profile for Clean Waters.
- F&N reported that once both the tanks on site are full, the tanks will be transported and disposed accordingly.
- There was a discussion on the traffic safety procedures for the waste disposal trucks.

7. Pending changes and substitutions

- URS requested F&N to take note that some of the daily reports have revisions and should be resubmitted.

8. New business

- URS requested NG investigate having the township police the traffic on 158 Hilton Ave.
- URS reported that some traffic was well above the legal speed limit on 158 Hilton Ave.
- NG reported that they will be meeting with the township later today and will try to remedy the situation by requesting police enforcement of the speed limit in the area.
- URS reported that the eye wash has been installed at the working site.

10. Next Meeting

- Next meeting is scheduled for Monday, August 2, 2010 @ 12:30 PM.

Prepared and Distributed by:

Kirk White and Jon Sundquist, URS

Enclosures:

- Agenda

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein

file 11175065

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Tuesday July 28, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

Safety Moment -

- Review minutes of July 20, 2010 meeting
- Open items from previous meeting
  1. Topsoil delivery
  2. OW-2-44 Replacement Schedule
  3. 158 Hilton Ave. Tree Removal
  4. Pricing for 158 Hilton Driveway Restoration
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (July 20-July 27)
- Review submittal schedules and expedite approval
  1. 110 Sand Waste Profile
- Pending changes and substitutions
- New Business
- Next meeting 8-2-10 @ 12:30 PM

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

MONDAY AUGUST 2, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached.

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Jon Sundquist (by telephone),Kirk White
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Pat Van Rossem discussed an incident which occurred on a site in which the delivery of a piece of equipment was made with out on site supervision. Apparently a rental company delivered heavy machinery and while in the process of loading the machine, ripped down over head utility lines. The driver finished loading the machine and left the site without reporting the incident. Later, following a damage assessment, it was found that the wires were damaged as well as a transformer.
There was a discussion on the precautions to be taken to prevent this situation from reoccurring. Some of the items discussed include the following:

- **Survey all overhead lines on site to assess and rectify if they are found to be below required height.**
- **All subcontractors are to be briefed on the possible hazards at the site.**
- **The daily safety meetings are to review possible hazards such as existing utilities in the proposed trench area, existing over head power lines, and traffic.**
- **A representative should be on site at all times when a delivery of any kind is to be made.**
- **The entrance to the yard and office trailers is to remain locked at the gate until a representative is present.**

1. **Review of minutes from July 28, 2010 meeting**

   - Due to the short week between meetings, the comments and changes for the previous meeting minutes will be ongoin**g.**

2. **Open items from last meeting**

   Topsoil delivery

   - F&N reported that the analysis for the topsoil had been sent to URS.
   - URS reported that the topsoil meets the unrestricted standards.

   OW-2-44 replacement schedule

   - F&N reported to have met with the subcontractor Glacier. F&N reported that the subcontractor will be available to drill the monitoring wells on the week beginning Monday, August 23, 2010. F&N reported that all monitoring wells will be drilled while the subcontractor, Glacier, is on the site.
   - URS reported that oversight will be available during the week of the drilling for the monitoring wells.

   Tree removal

   - NG reported to have spoken with the property owner at 158 Hilton Ave. with regards to the two trees by the proposed location of the treatment system. NG requested the trees be removed and replaced with smaller trees. The property owner approved the removal of the trees and requested evergreens be planted as a screen along the fence line in place of the removed trees.
   - NG requested F&N supply price quotes for the removal of the two trees by the garage.
   - NG requested a separate price quote for the grinding of the stumps along the driveway at 158 Hilton Avenue.
   - F&N requested NG meet with the subcontracted landscaper to review the recommendations of the landscaper. NG agreed to meet at the site.
   - NG requested a separate price quote for the smaller trees along the easement in front of 160 Hilton Avenue.
   - URS requested the exposed roots be covered and watered daily so the smaller trees may survive.
   - F&N agreed to water and cover the small trees. F&N also agreed to supply a separate price quote.

   Pricing for 158 Hilton Avenue driveway restoration

   - NG requested F&N perform the driveway restoration from the end of the paved area to the end of the ranch section of the house using fabric underlayment and two inches of three quarter clean stone to full width of driveway.
   - F&N agreed to perform the work and suggested a crushed blue stone instead of the three quarter clean.

- NG requested a price quote on the difference of the two materials.
- F&N reported that they may have the paving subcontractor perform the stone work on the driveway.

110 Sand Waste Profiles

- There was a discussion on the waste profile material and qualifications for the disposal.
- NG requested that F&N investigate criteria for disposal at the 110 landfill.
- NG requested that F&N have 110 put in writing that the waste will be used for cover material for the landfill exclusively with no other applications.
- NG reported that once all requirements are met NG will investigate internally whether the material can be disposed of as cover material for the landfill.

3. Field Observations, Problems, Conflicts, Problems which will/may impede construction schedule and proposed corrective action, Maintenance of quality and safety standards

- F&N requested NG investigate the usage of 160 Hilton Avenue for gaining access to installing the treatment system structure.
- NG reported having a conversation with the property owner at 158 Hilton Avenue which the owner requested work be completed at the property before Labor Day weekend.
- The owner of 158 Hilton requested that trees damaged by the installation of the trench be replaced with conifers.
- F&N reported that the monitoring wells are to be drilled the week of August 23 and the paving subcontractor will start work on August 30th.
- F&N requested that all asphalt work be performed concurrently.
- NG informed F&N that the driveway at 158 Hilton Avenue is to take precedence regardless if the other areas are ready to be paved or not.

4. Revisions to Construction Schedule

- There was a discussion on the seeding schedule and maintenance.
- F&N reported that there was no minimum height requirement in the specifications for the grass growth. F&N also reported the specifications stated the seeding could commence on August 15.
- URS reported that the seeding specifications allowed field determination as to the start of the seeding season. URS quoted the specifications from the book and it was determined the contractor was responsible for the grass growth of two and a half inches in height before the contractor was released from the responsibility of maintenance. URS also quoted the water requirements of the seeding.
- F&N reported that LIPA will make the proper connections for the electric service as soon as the existing trench is backfilled on the 158 Hilton Avenue property. F&N reported that the meter will be installed by LIPA.
- F&N requested that the road crossing be moved to August 10 and 11. All parties involved agreed to move the road crossing schedule.

5. Progress during previous work period (July 28 – August 1)

- URS reported that excavation along the easement at 160 Hilton Avenue is progressing.
- URS reported that plywood shoring was installed along the sidewalk in front of 160 Hilton Avenue.
- URS reported encountering unmarked utilities which were abandoned.
- URS reported that the contractor hand dug around all of the utilities encountered.
- URS reported that the contractor excavated around the existing trees in the easement and hand digging around the trees was attempted.
- URS reported that 158 Hilton Avenue property was cleaned up by removing all excess piles and rough grading the existing soils. All temporary fencing except which is necessary was removed.

6. Submittals

- URS reported that the topsoil approval will be sent out once a consensus with NG is met.

7. Pending changes and substitutions

- There was a discussion pertaining to the 158 Hilton Avenue property driveway and how the asphalt will be repaired.
- NG requested F&N investigate several different price quotes on the driveway repair.
- NG requested F&N compile all price quotes for work and present them as one item.
- F&N requested NG meet with the paving subcontractor to discuss possibilities for asphalt work at the 158 Hilton Avenue property.
- NG agreed to meet and discuss the options.
- It was determined after a discussion that a site walk be performed for the entire System Two job sites.

8. New business

- There was a discussion on how to approach the System One job site in the most efficient way.
- F&N requested that URS and NG review System One and schedule a site walk in the near future. All parties agreed to meet in the near future for a site walk. The schedule has yet to be determined.
- URS requested investigation into the back fence at the 158 Hilton Avenue property.
- NG requested an investigation to determine if the fence should be replaced or the existing fence be restored and secured properly.
- NG requested whether there was existing barbed wire on the chain link fence along the back of the 158 Hilton Avenue property.
- F&N reported that there was no existing barbed wire along the fence when the chain link was removed temporarily.
- URS requested that the existing fence be secured to the existing chain link fence or a fence post be installed to avoid the fence falling. URS reported the existing stockade fence to have only a piece of tie wire to secure it presently.

10. Next Meeting

- Next meeting is scheduled for Monday, August 10, 2010 @ 12:30 PM.

Prepared and Distributed by:

Kirk White and Jon Sundquist, URS

Enclosures:

- Agenda

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Monday August 2, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

Safety Moment -

- Review minutes of July 28, 2010 meeting
- Open items from previous meeting
  1. Topsoil delivery
  2. OW-2-44 Replacement Schedule
  3. 158 Hilton Ave. Tree Removal
  4. Pricing for 158 Hilton Driveway Restoration
  5. 110 Sand Waste Profile
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
  1. Hilton crossing moved to August 10
- Progress during previous work period (July 28-August 1)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting 8-10-10 @ 12:30 PM

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

MONDAY AUGUST 9, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached.

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Jon Sundquist (by telephone),Kirk White
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Kirk White brought up the subject of complacency in the work place and at home.
Some of the topics of the discussion to avoid complacency were as follows:

- Review of the daily tasks and risks involved.
- Use of the buddy system to keep each other alert.
- Practice daily good working habits.
- Staying physically fit with daily exercise.
- Taking a walk during a lunch or coffee break.

All of the above can help to keep a person's mind on the task at hand.

1. Review of minutes from August 2, 2010 meeting

The minutes from the previous meeting of July 28, 2010 had no comments.
The minutes from the previous meeting of August 2, 2010 are ongoing.

2. Open items from last meeting

OW-2-44 Replacement schedule – RFI pending

- F&N reported that they are waiting for a response from URS on the RFI from July 28 for the monitoring wells and the relocation of OW-2-44.
- URS reported that they will respond by end of this business day.

158 Hilton Avenue Tree removal

- F&N reported that a site review has been scheduled on Thursday, August 12, @ 9:30 with the following personnel for the tree removal. Sylvestri Landscaping will be on site as well as Custom Design.
- F&N reported that there will be a competitive bid process which will be expedited so the work can be scheduled as quickly as possible.

Pricing for 158 Hilton Avenue driveway restoration

F&N reported that Lindley Brothers Asphalt will be on site at 9:30 Thursday, August 12, 2010 to discuss the pricing and options for the driveway.

3. Field Observations, Problems, Conflicts, Problems which will/may impede construction schedule and proposed corrective action, Maintenance of quality and safety standards

- URS requested an update to the revised Daily Reports from F&N.
- F&N reported that the requested Daily Reports have been revised and will be emailed to the appropriate parties on by end of business day or the following day.
- URS requested F&N give a report on the update of compaction tests completed.
- F&N reported that no reports have been received as yet but will investigate further and compaction test information will be forthcoming.
- F&N reported that the boring logs will be submitted to URS.

4. Revisions to Construction Schedule

- NG requested an update report from F&N in reference to the schedule for Kensington Court.
- F&N reported that the trenching on Kensington will be completed by August 20, 2010.
- NG requested confirmation on system two delivery date.
- F&N reported that the delivery date for system two is tentatively August 18, 2010.
- F&N reported that the subcontractor Glacier will be on site to complete the monitoring wells and the relocation of OW-2-44 the week beginning August 23, 2010 and will be complete by end of week August 27, 2010.
- There was a general discussion on the scheduling to complete system two. It was determined that the sequential activities were crucial to the completion in a timely fashion.
- The completion of 158 Hilton Avenue driveway is scheduled for the week of August 30, with Hilton Avenue crossing and all other paving to follow.
- URS suggested the trees be taken down in the back of 158 Hilton Avenue ASAP so as not to delay delivery of system two.
- NG requested that all work activities at 158 Hilton Avenue be completed by Labor Day weekend with the exception of topsoil installation and seeding, weather dependant.

5. Progress during previous work period (August 2 – August 6)

- URS reported F&N hand dug existing utilities, previously marked out, along the easement in front of the property known as 160 Hilton Avenue.
- URS reported F&N continued excavation along 160 Hilton Avenue up to the proposed road crossing.
- URS reported that F&N made the proper connections for the ball valves and tees up to and including injection wells 11s and 11d.
- URS reported that F&N installed 6" tank sand bedding and compacted accordingly.

- URS reported that F&N installed seamless pipe through 160 Hilton Avenue sleeve and made the connections to the injection wells at the fittings up to the Hilton Avenue crossing. The seamless pipe yet to be connected was coiled and taped and left inside the trench easement between 160 and 180 Hilton Avenue.
- URS reported that F&N removed plates at sidewalk and backfilled 158 Hilton Avenue driveway and sidewalk areas.
- URS reported that F&N installed tank sand over seamless pipe in 1' lifts and compacted accordingly leaving 6" from the proposed top of topsoil for future topsoil installation.

- URS reported that F&N installed manholes and cemented accordingly up to injection well 12.
- URS reported that F&N removed the plywood barrier along the sidewalk at 160 Hilton Avenue easement and replaced it with orange plastic fencing.
- URS reported that F&N pressure tested the seamless pipe lines up to #12 and that there seemed to be pressure release problems at the deeper wells (wells below 90+').
- URS reported that LIPA was on the site to begin running the electric connections for the treatment system drop.
- URS reported that High Point Engineering was on site to locate the manholes along 160 Hilton Avenue.
- URS reported that Soil Mechanics were on site to test the compaction densities along the backfill at 160 Hilton Avenue.

6. Submittals

- The topsoil submittal has been received by URS and will be approved.
- The waste disposal submittal is ongoing.
- F&N reported the waste water PH is currently too high in the one tank which was tested.
- F&N indicated that it would investigate whether the second tank can be mixed with the first tank and NG requested to also have the second tank "field" tested as well.
- F&N agreed to have both the tanks tested and to investigate possible remedies to the high PH reading.

- URS reported that there is a discrepancy on the footage due for payment on application #5.
- NG requested that URS and F&N investigate the footage discrepancy and once resolved resubmit application #5 if needed.

7. Pending changes and substitutions

- There was a discussion on the pressure testing of the deeper wells 90'+.
- F&N reported that the shallow wells pressure broke through accordingly.
- F&N reported that the deeper wells were very slow on the pressure release taking up to 5 minutes as compared to the shallow wells taking seconds.
- NG requested that URS investigate pressure test results with F&N and Matrix prior to receiving system two delivery so that modifications to the system can be made in a timely fashion.
- F&N reported that they will submit the pressure testing data to URS.

8. New business

- URS reported the request from F&N of the possibility of reusing the material out of the Hilton Avenue crossing trench.
- URS reported that use of the material will be decided in the field subject to a sight inspection by the field engineer.

10. Next Meeting

- Next meeting is scheduled for Tuesday, August 17, 2010 @ 12:30 PM.
-

Prepared and Distributed by:

Kirk White, URS

Enclosures:

- Agenda

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein
J. Sundquist

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Monday August 9, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

Safety Moment -

- Review minutes of August 2, 2010 meeting
- Open items from previous meeting
  1. OW-2-44 Replacement Schedule – RFI pending
  2. 158 Hilton Ave. Tree Removal – Meeting 8/12 @ 9:30am w/sub
  3. Pricing for 158 Hilton Driveway Restoration – Meeting 8/12 @ 9:30am w/sub
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (August 2-August 6)
- Review submittal schedules and expedite approval
  1. Topsoil delivery
- Pending changes and substitutions
- New Business
  1. Approval of Application #5
- Next meeting 8-17-10 @ 12:30 PM

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

MONDAY AUGUST 17, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached.

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White
Fenley & Nicol:	Matt Schieferstein, Jason Falquecee

Safety Topic of Meeting

Kirk White supplied a toolbox safety sheet for trenching as well as literature on trenching safety. Some of the topics covered were as follows;

- Excavation below 5' requires shoring.
- Different classifications of soil.
- Qualifications and duties of the competent person on the site.
- Weather and its possible effects on the soils inside a trench.
- Heavy loads and the possible hazards when next to an open trench.

1. Review of minutes from August 2, 2010 meeting

The minutes from the previous meeting of August 2, 2010 had no comments.
The minutes from the previous meeting of August 8, 2010 are ongoing.

2. Open items from last meeting

158 Hilton Avenue tree removal

- F&N reported that the pricing from the subcontractors has yet to be received.
- NG requested that F&N expedite the process as it is a critical path item.
- F&N agreed to expedite the removal of the trees on the 158 Hilton properties.

Pricing for 158 Hilton Avenue driveway restoration

- F&N reported having received pricing from the subcontractor Lindley Paving.
- There was a discussion as to the different options for pricing out the proposed work.
- NG requested that F&N introduce at least one more paving contractor to propose prices for the work.
- F&N reported that, after inquiring with their office listings of subcontractors, they will introduce alternative price quotes from another subcontractor.

- NG requested that URS investigate standard pricing per square foot of asphalt for Long Island.

- URS reported that they would investigate.

Daily Reports

- F&N reported submitting the revised daily reports.
- F&N reported submitting current daily reports.
- URS reported that they will respond by the end of the work week to the revised daily reports.
- URS requested that the daily reports be sent in a more timely fashion as they are becoming hard to track due to delayed submittals.

Pressure Testing

- F&N reported that all of the installed wells have been developed.
- NG requested that F&N investigated pricing for redeveloping wells 28s, 31, and 36.
- F&N agreed to redevelop the aforementioned wells in one working day.

3. Field Observations, Problems, Conflicts, Problems which will/may impede construction schedule and proposed corrective action, Maintenance of quality and safety standards

- There was a discussion on system one trenching and the application of trench width corresponding with the amount of seamless pipe in the proposed trench. It was determined that the trench width would be determined by the proposed amount of seamless pipe to be installed.
- There was a discussion on the trench under the existing gutter curb at Kensington Court.
- F&N reported that they would rod the backfill for the required compaction.
- URS reported that subject to a field determination, the process of backfilling under the curb at Kensington Court may be acceptable.

- There was a discussion on access to the tracer wire.
- NG reported that they may provide access boxes to be installed at predetermined locations for tracer wire access.

4. Revisions to Construction Schedule

- F&N reported that the proposed pricing for landscaping the 158 Hilton Avenue property has yet to be received.
- NG requested that F&N expedite the process of acquiring a price for the work to be performed and once approved to schedule the work ASAP.
- There was a discussion on the pricing proposed by the subcontractor suggested by F&N.
- NG requested that F&N investigate pricing out the proposed work with more than one estimate.
- F&N agreed to investigate pricing by other contractors for the proposed asphalt work.
- NG requested a delivery date from F&N for the proposed system 2 delivery.
- F&N reported that Matrix has yet to supply a delivery date.
- NG requested that F&N inquire with Matrix if there is a problem with the system. If there is not a problem to expedite the delivery of system 2.

5. Progress during previous work period (August 10 – August 16)

- URS reported that F&N set up traffic control according to the proposed plan previously approved for Hilton Avenue road crossing.
- URS reported that F&N excavated the Hilton Avenue road crossing from the easement located between 160 Hilton Avenue and 180 Hilton Avenue toward Kensington (due West).
- URS reported that F&N installed 6" tank sand bedding and compact. F&N installed the PVC sleeve, 6" of pipe sand cover, and 6" of RCA, grade and compact accordingly. F&N then installed remainder of RCA, graded and compacted. F&N installed the 1.5" of cold patch, graded and compacted accordingly.
- URS reported that F&N, upon completion of the Hilton Avenue road crossing, removed all signage related to the road crossing and opened a portion of parking area along Hilton Avenue.
- URS reported that F&N closed the shoulder of Kensington Court and air knifed under the gutter curb to the proposed easement. F&N installed steel plates to cover the open trench and secured the area with the appropriated signage and safety fence.

6. Submittals

- NG requested that F&N investigate pricing for transportation of unsuitable materials to NG yard in Hicksville.
- F&N reported that they would investigate the cost difference.

7. Pending changes and substitutions

- There are no pending changes and substitutions at this time.

8. New business

- NG requested a scheduled date for the completion of the remaining wells to be installed.
- F&N reported that the remaining well installation will be completed by the end of the work week of 08-23-2010 thru 08-27-2010.

10. Next Meeting

- Next meeting is scheduled for Tuesday, August 24, 2010 @ 12:30 PM.
-

Prepared and Distributed by:

Kirk White, URS

Enclosures:

- Agenda

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein
J. Sundquist

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Monday August 17, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

Safety Moment -

- Review minutes of August 9, 2010 meeting
- Open items from previous meeting
  1. 158 Hilton Ave. Tree Removal – Pricing Pending
  2. Pricing for 158 Hilton Driveway Restoration – Pricing Pending
  3. Daily Reports
  4. Pressure Testing
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (August 10-August 16)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting 8-24-10 @ 12:30 PM

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

MONDAY AUGUST 24, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached.

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White
Fenley & Nicol:	Matt Schieferstein, Paul Fenley

Safety Topic of Meeting

James Christman brought up the topic of housekeeping for this week's safety moment. Some of the topics covered were as follows;

- The majority of incidents due to poor housekeeping are slips, trips, and falls.
- Good housekeeping helps with community relations.
- When performing housekeeping duties, the proper PPE should be worn.
- Good housekeeping promotes good work ethics.

1. Review of minutes from August 2, 2010 meeting

The minutes from August 8, 2010 have been approved and PDF sent to all parties involved.
The minutes from August 17, 2010 have been approved and PDF sent to all parties involved.
The minutes from July 13, July 28, and August 2, 2010 will be sent out by end of this work week.

2. Open items from last meeting

158 Hilton Avenue tree removal

- F&N reported that the tree removal has been scheduled for Wednesday, August 25, 2010.

- F&N reported that the stump grinding and stone driveway installation are to follow.

158 Hilton Avenue Restoration- Landscape approval

- There was a discussion on the re-grading of the backyard of 158 Hilton Avenue.
- NG reported that the regrading of the 158 Hilton Avenue property will be approximately the same area as the proposed topsoil installation in the driveway area which should negate the price of regrading the back yard.
- F&N reported that they will investigate the two total areas.
- URS reported that the fill previously excavated from the trench is to be utilized after using the 2" from the proposed re-grading of the driveway area.

Pricing for 158 Hilton Avenue driveway restoration

- NG reported that they will investigate the driveway restoration after speaking with the property owner about scheduling and the size of restoration desired.
- URS reported that the specifications may ask for saw cutting an additional 2' of pavement in the driveway on each side of the existing trench. URS reported that they will investigate further following the end of the meeting.

Well re-development

- F&N reported that they would schedule the well re-development pending drilling operations.
- There was a discussion on monitoring the flow rate on the well re-development.
- URS reported that there was a way to time the flow by timing the amount of fluid coming out of the well.
- NG inquired about F&N's schedule for a geoprobe to perform proposed work on system one.
- F&N reported that the geoprobe will be available on Monday, August 30, 2010 to perform the work requested.
- URS reported that they will be available for the drilling for system one.

System Two delivery date

- F&N reported that system two will be delivered on September 1, 2010 at approximately 9:00AM.
- F&N reported that the fencing that will be removed for the installation of system two will be replace on September 2, 2010.
- NG and URS inquired about the offloading and placement procedures being implemented to ensure the safety of installation procedures regarding system two.
- F&N reported that they will submit a rigging plan which will explain the equipment and procedures being implemented in the offloading and placement of system two.

Transportation and disposal of uncontaminated fill

- NG requested information for the pricing of transporting unsuitable fill to Hicksville.

- There was a discussion on the breakdown of pricing for the transportation of unsuitable fill.
- NG requested that F&N schedule the removal of the unsuitable fill as soon as possible.
- F&N reported that as soon as the preparation of topsoil is completed, F&N will schedule the removal of the waste.
- There was a discussion on the specifications and classification of the materials excavated.

3. Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- F&N reported that they will rectify the problem with the clamp on the drill rig used to lower the pre-packs.
- NG requested that F&N investigate whether permits from the township are required for the proposed sidewalk repair.
- F&N reported having the permits for work in the R.O.W. which covers all proposed work.

4. Revised schedule submitted 8-20-10 for System Two

- URS reported that they have received the proposed schedule and will review it.

5. Progress during previous work period (August 17- August 23)

- 8-17-10 URS reported that F&N continued to trench along the easement on Kensington Court. F&N installed the 45 degree coupling to extend the 12"PVC sleeve under the curb at Kensington Court.
- 8-18-10, F&N installed (pulled) seamless pipe through the sleeve crossing at Hilton Avenue up to the end of the proposed wells on Kensington Court.
- 819-10, F&N removed all steel plates from the site, loaded asphalt and concrete and cut manholes for installation at proposed locations. URS picked up monitoring points from National Grids Hicksville yard and stockpiled in the laydown yard in Hempstead. F&N installed tracer wire access points at designated locations along the proposed system two routes.
- 8-20-10, F&N installed tees and ball valves at proposed locations on Kensington Court and hooked up seamless pipe accordingly. F&N installed 6" tank sand bedding and hand tamped accordingly.
- 8-23-10, the sub-contractor, Glacier drilling, arrived on site and began installation of proposed monitoring wells at 158 Hilton Avenue. F&N completed the excavation for the proposed wells on Kensington Court and installed remainder of tees and ball valves.

6. Review submittal schedules and expedite approval

- F&N reported that there are no submittals for approval but there are submittals which will be introduced in the near future.

7. Pending changes and substitutions

- There were no comments on pending changes and substitutions.

8. New business

- NG requested information on the progress for the PH tests on the water tanks.
- F&N reported that the representative from Clean Water is currently on vacation and as soon as he returns will have the PH tested and will pick up and remove the tanks.
- URS requested that F&N investigate whether credit is due back for NG supplying tracer wire access boxes.
- F&N reported that they will investigate.
- NG requested that F&N pressure test the remainder of the seamless pipe to the injection wells as soon as possible.
- F&N reported that pressure testing should begin by August 25, 2010.
- NG requested that F&N submit all change orders to URS for work performed up to date.
- URS requested that F&N submit all change orders and give full disclosure as to perceived change orders for future work on system two.
- F&N agreed to submit all change orders.
- URS requested if F&N had completed the cost analysis previously proposed by F&N for re-routing the seamless pipe from the Hilton Avenue crossing to Kensington Court.
- F&N reported that they would investigate the cost analysis.
- NG requested a schedule for the full replacement of fence at 158 Hilton Avenue.
- F&N reported that the fence will be installed on September 2, 2010, pending the delivery and installation of system two.
- URS reported that the schedule for the installation for the remainder of monitoring wells and injection wells will be as follows:
  08-23-2010, well 3D installed between existing sanitary line and existing trench line at 158 Hilton Avenue.
  08-24-2010, 3S installed accordingly.
  08-24-2010, MP-2-2 is currently under investigation.
  08-25-2010, install #44 in Mirschel Park 2' west of existing well.
  There was a discussion on the use of the pre-packs and what may be contributing to slow pressure release on the deeper wells.
  NG reported that further investigation be done to fully understand existing conditions before moving on to the next system installation.

10. Next Meeting

- Next meeting is tentatively scheduled for Tuesday, August 31, 2010 @ 12:30 PM. If there is not to be a meeting for the upcoming date scheduled then notice will be sent out on Monday, August 30, 2010.
-

Prepared and Distributed by:

Kirk White, URS

Enclosures:

- Agenda

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein
J. Sundquist
J. Christman

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Monday August 24, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

Safety Moment -

- Review minutes of August 17, 2010 meeting
- Open items from previous meeting
  1. 158 Hilton Ave. Tree Removal – To be scheduled
  2. 158 Hilton Restoration – Landscaping approval
  3. Pricing for 158 Hilton Driveway Restoration – Approval pending
  4. Well re-development
  5. System 2 delivery date
  6. Transportation & disposal of uncontaminated fill
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revised schedule submitted 8-20-10 for System 2
- Progress during previous work period (August 17-August 123)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting 8-31-10 @ 12:30 PM

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY SEPTEMBER 8, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached.

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Megan Dascoli, Jon Sundquist (telephone)
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

The safety topic was about carrying safe work practices from the job to the home- wearing PPE during yard work, home repairs, etc. Looking at the home with the same eye for slips, trips, and falls and possible hazards as you would look at the job site.

1. Review of minutes from August 24, 2010 meeting

The minutes from the previous meeting of August 24, 2010 are ongoing.

2. Open items from last meeting

- Pricing for 158 Hilton Driveway Restoration has to be reviewed to determine most cost effective method, either by linear feet (as per contract) or lump sum.
- After three wells were re-developed, F&N will now re-pressure test those wells to see if there is any improvement in performance.
- Transportation and disposal of uncontaminated fill has been determined to go to the National Grid Hicksville facility. Matt Scheiferstein needs to be told the procedure for delivery and given a date acceptable to National Grid.
- Decon/development water disposal has been arranged by F&N. Clean Water New York will accept all the water currently onsite in 55-gallon drums and ASTs combined in one vessel. The drums will be put aside on site for similar use with future System #1. F&N is arranging disposal for next weekly meeting.
- Soil that is accumulated in 55-gallon drums will be emptied into a roll-off by operator and the roll-off picked up by Clean Earth.

- Tracer wire access boxes were installed because James Christman procured boxes and F&N installed them. They were not included in the F&N bid price, but no further cost or discussion with this issue is anticipated.
- Pressure testing and check valves: There is a potential problem with availability of the check valves. Matt Scheiferstein will email the cut sheet to Jon Sundquist for the 57 check valves available from Grainger and McMaster-Carr, as of last week. The final number of check valves needed is still to be determined. Jon Sundquist has a call into Matrix for this number and will try to call again to get a final answer.
- System #1 revised plans and start date: Matt Scheiferstein and Pat Van Rossem will conduct a walk through of the System #1 system location after this meeting. Pat Van Rossem needs LIPA to look at the position of the wells and the overhead lines along the LIRR ROW. The start date is imminent, Pat Van Rossem expects the LIRR access agreement to be forthcoming in the next two weeks. It may be possible to break ground the week of 9/20. In anticipation of this, Matt Scheiferstein will schedule the surveyor to survey the well locations and the LIRR ROW boundaries the week of 9/13. Pat Van Rossem said he can get approval for the surveyors to work on the LIRR ROW prior to receipt of formal access agreement. Discussion was had of removing alternate side parking regulations on Smith Street during construction.

3. Field Observations, Problems, Conflicts, Problems which will/may impede construction schedule and proposed corrective action, Maintenance of quality and safety standards

- No comments besides the additional sections of fence needed between fence in back of 158 Hilton and the 160 Hilton garage and a section needed next to the system shed from the garage on 158 Hilton to the north fence.

4. Revisions to Construction Schedule

- Pat Van Rossem requests that System #2 is operational before System #1 construction is begun. Matt Scheiferstein will revise schedule for construction of System #1. System #2 start-up is to be as soon as possible.
- O&M plan for the system will be provided by Matrix. There was also some discussion about a security alarm system for the system shed, possibly a call to a designated individual if a door is opened and motion detection lights on the outside of the shed.

5. Progress during previous work period (August 24- Sept. 7)

- Installation of four monitoring points and one replacement oxygen well
- Backfill and compaction and grading on Kensington Ct.
- System shed delivered and installed
- Fence installed at system shed

- Landscaping completed (topsoil, grass seed, stump grinding in 158 driveway, trees planted in 158 backyard, regrading and seeding of 158 backyard)
- Well redevelopment

6. Submittals

- No pending submittals.

7. Pending changes and substitutions

- F&N was requested to provide a summary of potential change orders by September 10.

8. New business

- Concrete restoration of sidewalk and driveway ramps at Kensington Ct was discussed. The contract rate for concrete replacement is $59 LF for curb and $25 SF for sidewalk. F&N maintains that sidewalk damage occurred "in the line of work". URS maintains that that phrase was intended for trench line work. National Grid possibly offered to pay for the driveway ramp replacement and F&N pays for the ramp replacement. Matt Schieferstein had no dollar figures on hand to compare the costs. Pat Van Rossem wanted to speak to Kirk White before he makes a decision (Kirk is on vacation this week).
- Matt Scheiferstein proposes to hand in the worker completed daily timesheets, one for each crew, instead of the current form of the daily submittal in order to expedite URS receiving this information. Pat Van Rossem doesn't feel the daily timesheets are adequate for a job of this size and is afraid there will be information that doesn't get captured with that system. The decision is to keep the current system.
- The weekly meeting date is changed to Wednesdays, except for 9/29/10. For this meeting, the date will probably be 9/27 or will be skipped. The meeting time is still 12:30.

10. Next Meeting

- Next meeting is scheduled for Wednesday, September 15, 2010 @ 12:30 PM.

Prepared and Distributed by:

Megan Dascoli, URS

Enclosures:

- Agenda

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein
J. Sundquist

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday September 8, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

Safety Moment -

- Review minutes of August 24, 2010 meeting
- Open items from previous meeting
  1. Pricing for 158 Hilton Driveway Restoration – Approval pending
  2. Well re-development – Completed August 27
  3. Transportation & disposal of uncontaminated fill
  4. Decon/Development water disposal
  5. Tracer wire access boxes
  6. Pressure testing/check valve installation
  7. System No. 1 revised plans and start date
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (August 24-September 7)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
  1. Concrete restoration at Kensington Court
  2. Daily Reports
  3. Weekly Meeting Date
- Next meeting ?

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, SEPTEMBER 15, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached.

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White
Fenley & Nicol:	Matt Schieferstein, Mike Ryan (for safety talk)

Safety Topic of Meeting

Kirk White introduced the topic of work station ergonomics. Some of the items discussed were as follows;

- Alignment of your head, arms, and legs while at your work station.
- Using the right equipment and the proper position for that equipment.
- Forming healthy habits such as when taking breaks, go for a walk and stretch.

Pat Van Rossem spoke about an incident which recently occurred at another job site. Complacency in the work place was discussed and it was agreed to remain diligent in our daily health and safety talks.

1. Review of minutes from August 2, 2010 meeting

The minutes from September 8, 2010 are under review.

.

2. Open items from last meeting

Pressure testing – redeveloped wells

- F&N reported having pressure tested wells OW-2-28, OW-2-31, and OW-2-36.
- F&N reported that the breakthrough was better and a higher pressure was used. Specifically 60 psi and 40 psi.

- URS reported that the after reviewing the results from the pressure tests that the wells will be utilized.

Check valve installation – quantity pending

- F&N reported that they are waiting for a definitive number to be installed.
- URS reported that a construction directive will be forthcoming.

System No. 1 start date – pending LIRR insurance

- F&N reported that they are working on revising the existing policy and that a quote is pending.

158 Hilton Avenue fencing to be completed September 15, 2010

- URS reported that the remaining fencing has been installed accordingly and is complete.

3. Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- NG reported that once the linear footage was compared to the quote submitted by F&N the asphalt installation will be scheduled.
- F&N reported that they will schedule the paving operation for the following week.
- URS reported that the Mirschel Park seeding area was looking dry.
- F&N reported that the Mirschel Park area would be watered today.
- NG stressed that watering the seeded area in Mirschel Park was critical.

3. Revisions to construction schedule
Concrete restoration

- F&N reported that demo work will commence on the concrete September 16, 2010 and September 17, 2010. The work should be completed at the end of the day Monday, September 20, 2010.
- NG requested that F&N secure the areas where concrete is to be removed to ensure the safety of the public.
- NG reported that flyers will be put out to notify the residents at 160 Hilton Avenue of the pending driveway closure from 10:00 AM to approximately 7:00 PM.
- NG requested that some sort of transportation be made available to the residents of 160 Hilton Avenue in case of an emergency.

Asphalt work

- The asphalt work for 158 Hilton Avenue and the Hilton avenue crossing is scheduled for September 22, 2010 pending approval.

- F&N reported that the saw cutting operation in preparation for the asphalt removal will begin on September 21, 2010 pending approval.

Transportation of soils

- F&N reported that scheduling of a truck to remove the stockpiled soils is tentatively scheduled to occur sometime during the following week.
- URS reported that Sylvestri Landscaping utilized at least one truck load of the stockpiled soils.

Decon\ development water disposal

- F&N reported that pick up of the decontaminated and development water is tentatively scheduled for September 22, 2010 by Clean Earth.

5. Progress during previous work period (September 8 – September 14)

- September 8, 2010 a steel post was installed in a concrete base to secure the properties of 160 and 158 Hilton Avenue on the East property line. Sprinklers were set up and the seeded areas were watered.
- September 9, 2010 continued work on fence at the property line and watered seeded areas.
- September 10, 2010 moved electric conduit to avoid a tripping hazard. Installed the AC unit in System 2. Sylvestri landscaping installed the gates completing the enclosure of System 2.
- September 11, 2010 investigated the electrical system at System 2. Relayed possible electrical problems to Matrix.
- September 14, 2010 set Belgium block in driveway at 158 Hilton Avenue and pointed with mortar. Installed small section of chain link fence between 160 and 158 Hilton to complete enclosure. Conducted pressure testing on wells OW-2-28s, OW-2-31, and OW-2-36.

6. Review submittal schedules and expedite approval

- URS reported that the concrete submittals for the sealant and curing compound have been reviewed and require the MSDS to be attached.
- URS reported that formal notification will be sent out today.

7. Pending changes and substitutions

- There were no comments on pending changes and substitutions.

8. New business

- F&N reported that LIPA had visited the site to investigate the neutral leg at the utility pole and found it to be working properly.
- F&N reported that they will monitor the electric at System 2 for any variance in voltage.

- F&N reported that some of the electric in the System 2 building may be rerouted.
- There was a lengthy discussion on the revised change order list.
- URS requested that the change orders be discussed following the meeting.

10. Next Meeting

- Next meeting is scheduled for Wednesday, September 22, 2010 @ 12:30 PM.
-

Prepared and Distributed by:

Kirk White, URS

Enclosures:

- Agenda

cc: P. Van Rossem
M. Dascoli
K. White
M. Schieferstein
J. Sundquist
J. Christman
L.Sawiki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday September 15, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review minutes of September 8, 2010 meeting
- Open items from previous meeting
  1. Pressure testing – redeveloped wells
  2. Check valve installation – quantity pending
  3. System No. 1 start date – pending LIRR insurance
  4. 158 Hilton Ave. fencing to be completed September 15, 2010
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
  1. Concrete restoration – 9/16, 9/17 & 9/20
  2. Asphalt work, tentatively scheduled September 22, 2010
  3. Transportation & disposal of uncontaminated fill, tentatively scheduled week of September 20, 2010
  4. Decon/Development water disposal, tentatively scheduled September 22, 2010
- Progress during previous work period (September 8-September 14)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
  1. System #2 Change Order
- Next meeting September 22 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, SEPTEMBER 22, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA:

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Kirk White, Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Kirk White introduced the timely topic of Flu season and precautions which can be taken.

- The Center for Disease Control (CDC) recommends a yearly flu vaccine as the first and foremost step in protection against flu viruses.
- Everyone 6 months of age and older should get vaccinated for 2010-2011 flu season.
- Vaccination of high risk persons is especially important to decrease their risk of severe flu illness.
- Preventive actions besides being vaccinated are; cover your nose and mouth with a tissue when you cough or sneeze, wash your hands often with soap and water, Avoid touching your eyes, nose and mouth as these are gateways for germs.
- If you are sick with flu like illness, CDC recommends that you stay home for at least 24 hours after your fever is gone except to get medical care.
- FACTS – recognizing symptoms:
  Fever
  Aches
  Chills
  Tiredness
  Sudden symptoms

1. Review of minutes from September 8, 15, 2010 meeting

The minutes from September 8, and September 15, 2010 are under review.
NG reported that they will review and submit comments by end of day September 23, 2010.
.

2. Open items from last meeting

Check valve installation – parts ordered

- F&N reported that the check valves were ordered on September 21, 2010 and will take 2 or 3 days to be delivered. F&N reported that they will track the delivery.
- F&N reported that once the check valves are installed, Matrix will be contacted to complete the inspection of System 2 before it is powered up. Startup date will be dependent on Matrix's inspection.
- NG requested that F&N report on Friday, September 24, 2010 updated schedule for the installation and inspection of System 2.
- F&N agreed.

System No. 1 start date – pending LIRR insurance

- F&N reported authorization for pending insurance is complete and insurance certificate will be available towards the end of this week.
- F&N reported that the surveyors have begun to map the project and that October 4, 2010 is the tentative start date for mobilization.

Decon/development water and soil disposal

- F&N reported that an active profile is needed for Clean Earth to dispose of water. F&N requested if an active profile is available.
- NG requested URS to investigate if an active profile is available from September 2009. NG requested that F&N send out sample to create profile so as not to delay the disposal process.
- F&N reported that the existing drums in the staging area will be emptied into a container with cover on September 24, 2010.

System #2 change order

- F&N reported that there are three comments on the revised change order:
  #9 has been accepted.
  #16 has been accepted.
  #14 will remain at 21%.
- NG agreed to comments from F&N.
- F&N will submit backup to change orders as they become available.
- NG requested final change order to be reviewed by NG for comments and structure.

- F&N agreed.

3. Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS requested an updated schedule for concrete removal.
- F&N reported that the concrete stockpile at Intersection Street staging yard will be removed on September 23, 2010.
- URS reported that since the existing material in Hilton Avenue had no asphaltic base material, the asphaltic base installation will not be required.
- NG requested that URS investigate asphalt requirements for ISS design.
- NG requested that URS place an additional line item in the payment schedule for ISS design paving.
- URS agreed.

4. Revisions to construction schedule

- F&N reported that if inclement weather should occur on the scheduled date, September 28, 2010, for installation of asphalt pavement, then the following day, September 29, 2010, will be scheduled for the aforementioned task.
- F&N reported that there is a slight elevation difference between the existing pavement at the driveway on Hilton and Kensington and Hilton Avenue road.
- URS will investigate and report.

5. Progress during previous work period (September 8 – September 14)

- September 15, 2010 completed the installation of the stockade fence along the Eastern property line of 158 Hilton Avenue.
  F&N met with LIPA to discuss possible electrical issues with power to System 2.
- September 16, 2010 removed demolished concrete from designated areas in preparation of concrete restoration.
- September 17, 2010 installation of high early concrete gutter curb at Kensington Court and Hilton Avenue. Installation of high early concrete 160 Hilton Avenue driveway apron. Complete removal of concrete at designated areas to be restored.
- September 20, 2010 complete restoration of concrete at designated areas. Clean up concrete over pour and load out to Intersection Street staging yard for future removal. Water seeded areas accordingly. Begin loading out unsuitable materials from Intersection Street staging yard to National Grid yard in Hicksville.
- September 21, 2010 remove the remainder of unsuitable materials from Intersection Street staging yard to National Grid yard in Hicksville. Water seeded areas accordingly. Perform general clean up of staging yard.

6. Review submittal schedules and expedite approval

- URS reported that the concrete submittals are pending approval subject to review.
- NG requested a schedule for System 1.
- F&N agreed to prepare a schedule based on start date of October 4, 2010.

7. Pending changes and substitutions

- No comments.

8. New business

- F&N reported the Auto Body shop on Smith Street has erected scaffolding which will/may impede scheduling for System 1.
- URS will investigate.
- NG requested F&N provide asbuilt drawings for System 2 ASAP.
- Discussion on the bonding requirements for System 1.
- A site walk has been scheduled after the weekly meeting. Questions are to be addressed in reference to site walk will be discussed at next week's meeting.

9. Next Meeting

- Next meeting is scheduled for Friday, October 1, 2010 @ 12:00 PM.
- Tentative date for following meeting is scheduled for October 6, 2010 @ 12.30 PM.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday September 22, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review minutes of September 15, 2010 meeting
- Open items from previous meeting
  1. Check valve installation – Parts ordered
  2. System No. 1 start date – pending LIRR insurance
  3. Decon/Development water and soil disposal
  4. System #2 Change Order
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
  1. Asphalt work scheduled September 28, 2010
- Progress during previous work period (September 15-September 21)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting September 27 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

FRIDAY, OCTOBER 1, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA:

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Kirk White, Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Matt Schieferstein introduced the timely topic of Fire safety and precautions which can be taken.

- According to National Safety Council, losses due to workplace fires in one recent year totaled 3.1 billion$. Of the more than 5,000 persons who lost their lives, an estimated 360 were workplace deaths associated with fires.
- Employees should conduct workplace fire inspections for compliance with standards for fire safety.
- OSHA standards require employers to provide proper exits, firefighting equipment, emergency plans, and employee training to prevent fire deaths and injuries in the workplace.
- Each workplace building must have at least two means of escape for fire emergency. Fire doors must not be blocked or locked to prevent emergency use by employees.
- Exit routes from buildings must be clear and free of obstructions and properly marked with signs designating exits from the building.
- Each workplace building must have the proper type of fire extinguishers for the fire hazards present.
- Only approved fire extinguishers are permitted in workplaces and must be in good operating condition.
- Posted telephone numbers of emergency response should be visible to all employees entering the site.

  These are just some of the items discussed in reference to Fire Safety.

1. Review of minutes from September 22, 2010 meeting

The minutes from September 22 were noted and approved.
.

2. Open items from last meeting

Check valve installation – parts ordered

- NG requested a scheduling update for the installation of the check valves for System 2.
- F&N reported that the check valve installation has begun and will continue.
- URS reported that the banks for the tie in of hoses and check valves to the proper manifolds have been approved.

System No. 2 manifold connections –pending response from URS & Matrix

- URS reported that the manifold connections were approved and sent to F&N.

System No. 1 start date-pending LIRR insurance approval

- F&N reported that they will issue NG revised certificates and LIRR certificate at end of business day.

Decon/Development water and soil disposal

- F&N reported that the water has been picked up this morning.
- F&N reported that a new analytical analysis has to be performed before the soil can be transported and disposed.
- URS reported that there was sediment remaining in the bottom of the drums which had been drained of water.
- F&N reported that the soil would be containerized and disposed of with the other soils.

System No. 2 change order – revised and sent 09/30/2010

- F&N reported that back up for the change orders will be forth coming.
- F&N reported that the Hilton Avenue crossing has yet to be adjusted for asphalt pricing.

3. Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- F&N reported that wire mesh will be installed at all openings for System 2 to block out wildlife from entering the building.
- F&N reported that a review of the possible safety hazards for System 1 was performed and proposed plans have been formulated to increase safety.
- NG requested that F&N review proposals for safety with James Christman.
- URS requested NG investigate the possibility of LIPA removing the tree on Smith Street.
- NG agreed to investigate if LIPA could cut back or remove the tree.
- URS requested that NG investigate whether or not the oil fill pipes in the sidewalk of Smith Street are active or inactive.
- NG agreed to investigate.

4. Revisions to construction schedule

- It was agreed to move the startup date for System 1 to October 11, 2010.
- F&N reported that Matrix technician will be available on October 11, 2010 for review and startup of System 2.
- F&N requested scheduling the walk through for System 2 before or after the walk through for System 1 on Wednesday, October 8.
- It was agreed to have both walk through after the weekly scheduled meeting on Wednesday, October 6, 2010.

5. Progress during previous work period (September 22 – September 30)

- September 22- lowered monitoring wells at Kensington and Hilton Avenue. Cleaned up concrete debris and raked out disturbed areas. Removed the barricades and fencing from the concrete construction areas.
- September 23- load out concrete from Intersection Street staging yard to be taken off site. Raised the manholes in Hilton Avenue driveway to grade in preparation of paving. Changed out the bucket on the rubber tire backhoe for asphalt removal.
- September 24- emptied the drill cuttings previously stockpiled in 50 gallon drums. The drill cuttings were emptied using drum lifting attachment on the skid steer into the designated container and covered accordingly.
- September 27- set up traffic safety signs. Saw cut Hilton Avenue crossing and 158 Hilton Avenue driveway. Removed asphalt from saw cut area at 158 Hilton Avenue.
- September 28- Paving canceled due to inclement weather conditions. Cleaned up Intersection Street staging area and placed debris and garbage into the designated container.

- September 29- set up for traffic safety control. Removed existing asphalt at Hilton Avenue trench crossing and load out to staging yard. Paved 158 Hilton Avenue driveway and Hilton Avenue trench crossing. Clean up and cover signs for traffic control.
- September 30- remove the remainder of traffic signs and cones. Load out asphalt from Intersection Street staging yard to be taken off site and disposed of accordingly. Begin the assembly of the check valves to be installed in System 2.

6. Review submittal schedules and expedite approval

- URS reported that the concrete submittals will be sent out at end of business day.

7. Pending changes and substitutions

- No comments.

8. New business

- F&N reported that the proposed seal coat and concrete caulking schedule will be reviewed on Monday, October 6, and a schedule will be sent out by end of day.
- URS requested that 3 sets of locks be applied to electric, gate and shed for access.
- NG agreed to supply the locks.
- F&N suggested that the fire department review the building known as System 2, and if required, apply their own set of locks accordingly.
- NG requested that both NG and F&N meet with the fire department at System 2 to review.
- URS reported that they are working on the revised well depths for figure #3 and figure #8 on System 1.
- NG requested pricing estimates for landscape work to be performed at System 1.
- F&N reported that the estimates are under review and will send to NG as soon as review is completed.
- NG requested F&N expedite the review so change orders can be consolidated to reflect pricing estimates for landscaping.
- There was a discussion on the proposed work to be performed under a separate contract for the relocation of electric line along the LIRR. It was determined that further investigation needs to be performed to prevent any conflict with the proposed installation of System 1 and the proposed work on the LIRR. It was also determined that an overlay from the Cadd drawings of the proposed systems would be the first step in the investigation.

9. Next Meeting

- Next meeting is scheduled for Wednesday, October 6, 2010 @ 12:30 PM.

- Walk through for Systems 2 and 1 to follow.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday October 1, 2010, 12:00 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review minutes of September 22, 2010 meeting
- Open items from previous meeting
  1. Check valve installation
  2. System #2 manifold connections – pending response from URS & Matrix
  3. System No. 1 start date – pending LIRR insurance approval
  4. Decon/Development water and soil disposal
  5. System #2 Change Order – revised & sent 9/30/10
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (September 22-September 30)
- Review submittal schedules and expedite approval
  1. Concrete submittal approval
- Pending changes and substitutions
- New Business
- Next meeting October 6 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, OCTOBER 6, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA:

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Kirk White, Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Kirk White introduced the timely topic of complacency in the work place and at home. Some of the topics discussed to recognize signs of complacency and steps to prevent it include the following:

- **At Risk Behavioral Model** includes three types of behaviors to recognize and correct.
- **Intentional:** this is where the employee knows full well that the activities they are doing are not safe and that there is a significant amount of risk associated with the activity.
- **Unintentional:** this is where the employee is unaware of the risks. There is a flaw in the training and their personal experience has not yet caught up with the risks of the tasks involved.
- **Habitual:** like the intentional at risk behavior, the employee knows the risks but has been doing the activity so long that they are no longer as alert to the risks.

Recognizing these signs of complacency in the workplace and at home is the beginning of correcting it.

1. **Review of minutes from September 22, 2010 meeting**

The minutes from October 1, 2010 are under review.
.

2. **Open items from last meeting**

Soil Disposal

- F&N reported that a soil sample will be taken and the sediment in the drums previously emptied of water will be consolidated with the containerized materials.
- NG requested that F&N expedite the soil analysis and removal of the containerized materials.

System No. 2 change order – revised and sent 09/30/2010

- NG reported that they have received the change order and it has been sent to the purchasing department.
- NG requested F&N sign the change order.

System No. 2 M.G.P. locks

- URS reported receiving the locks and delivering them to F&N for installation.
- There was a discussion on the best practice to access facilities with the M.G.P. keys.
- The discussion on the M.G.P. keys was tabled, pending a solution to the best practice to access facilities.

System No. 2 Fire Department meeting

- NG reported that a meeting will be arranged with the Fire Department to review the System 2 facility.
- Meeting is tentatively set for Wednesday, October 13, 2010, 10:00 AM, pending availability of F&N.

Sealcoat and concrete caulk – pending dry weather

- F&N reported that they will call contractors for an updated schedule.
- NG requested that F&N expedite scheduling contractors to complete work.
- F&N reported that the earliest would be Friday, October 08, 2010.

Smith Street tree removal, oil pipes – N.G. status

- NG reported that they will schedule meeting with property owner on Smith Street to discuss tree removal, garage door status, and oil fill lines. NG will notify property owner that safety

precautions will/may be taken while working around garage area. NG will discuss whether oil fill lines are active and if they can be removed from sidewalk areas.

System No. 1 landscape work estimate under review

- F&N reported that after review, there are three items in the landscape estimate that are not in the work scope. These items are the tree removal, removing the vines and shrubs outside the work area, plantings for screening purposes and mulch entire bed.
- F&N stated that all other items in the landscape estimate were within the work scope. F&N stated the projected work areas are to be 18' wide from planting beds.
- F&N reported that the grassed area to be replaced will be within the work scope.

System No. 1 start date – pending LIRR insurance approval

- NG reported that the insurance certificate from F&N has been submitted.
- NG reported that an insurance certificate may or may not be required from URS but to proceed with assumption it will be required.
- URS reported that the process for acquiring insurance certificate has begun.

System No. 1 LIPA work investigation

- There was a discussion on rerouting the oxygen/electric lines to avoid crossing over/under respective utilities.
- NG reported that scheduling a meeting with LIPA to determine the best construction practice.

3. Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS reported that revisions to System 1 items #3, #4, and #8 are ongoing.
- F&N reported that if changes are made for locations due to conflicts with LIPA, then horizontal and vertical information will need to be updated.
- NG requested information on the capabilities of expansion for the manifolds in System 1.
- NG requested that F&N submit a schedule/plan for drilling the wells and cost estimate.

4. Revisions to construction schedule

- F&N reported that Matrix is scheduled to be on site Monday, October 11, 2010.
- NG requested that URS be available for the start up of System 2 and training.
- F&N reported that Matrix should be on site for a minimum of three days for training purposes.

5. Progress during previous work period (September 22 – September 30)

- October 1 – continued work on the manifold connections with check valve installation. Enclosed floor openings to prevent wildlife entry.

- October 2 – continue work on the manifold connections at System 2.

- October 5 – no field work scheduled for System 2. Meeting with NG for relocation of gas line in area of on-site NG Gas Regulator Station.

6. Review submittal schedules and expedite approval

- URS reported that the concrete submittal will be sent out by end of business week.
- NG requested a count on the manuals required for distribution on System 2.
- It was determined that the amount of manuals supplied will be sufficient.

7. Pending changes and substitutions

- NG requested that URS investigate the submitted as built plans.
- URS will note on as built plans any omissions or changes required and submit to F&N for correction.

8. New business

- URS requested that F&N move the materials in the Intersection Street staging yard to accommodate a lay down area for the proposed gas line relocation project.

9. Next Meeting

- Next meeting is scheduled for Wednesday, October 13, 2010 @ 12:30 PM.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem

K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday October 6, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review minutes of October 1, 2010 meeting
- Open items from previous meeting
  1. Soil disposal
  2. System #2 Change Order – revised & sent 9/30/10
  3. System #2 M.G.P. locks
  4. System #2 Fire Department meeting
  5. Seal coat & concrete caulk – pending dry weather
  6. Smith Street tree removal – N.G. status
  7. Smith Street oil pipes – N.G. status
  8. System #1 landscape work estimate under review
  9. System #1 – LIRR work investigation
  10. System No. 1 start date – pending LIRR insurance approval
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (October 1-October 5)
- Review submittal schedules and expedite approval
  1. Concrete submittal approval
- Pending changes and substitutions
- New Business
- Next meeting October 13 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, OCTOBER 13, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA:

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Kirk White, Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Pat Van Rossem introduced the topic of driving safely at home and in the workplace. Some of the items discussed included the following;

- Driving is an activity that is performed every day, whether at home or in the workplace and it is important to stay focused and aware of your surroundings.
- While driving in parking lots it is just as important to be aware of traffic and pedestrians.
- When driving or parking it is always best to avoid backing up.
- Always check around the front and back of the vehicle before pulling out. Things may have change since you parked the vehicle.

1. Review of minutes from September 22, 2010 meeting

- The minutes of October 1, 2010 and October 6, 2010 have been reviewed and the final has been sent.

.

2. Open items from previous meeting

Soil Disposal

- F&N reported that a soil sample has been taken on October 11, 2010 and there will be an approximate turnaround of 5 days for the results.

System No. 2 change order – pending approval

- F&N reported that the change order has been signed and sent out to NG purchasing department.
- NG requested that future change orders be sent directly to project manager.

System No. 2 M.G.P. locks

- URS reported that an M.G.P. key has been located and will be at the site.
- NG requested that URS investigate and acquire a lock box to be installed in a predetermined location.

System No. 2 Fire Department meeting

- NG reported that they have met with the fire department commissioner and a meeting at system 2 will be scheduled sometime this week.

Sealcoat and concrete caulk installation

- F&N reported that the concrete caulk had been applied on October 9, 2010.
- F&N reported that the sealcoat has been applied on October 11, 2010.
- URS reported that the sealcoat has a few touch up spots and requested that F&N reapply sealcoat to these areas at 158 Hilton Avenue driveway.
- F&N reported that they are aware of the areas and will schedule accordingly.

System 2 asbuilt plans

- URS reported that they have reviewed the plans and corrections are noted for revisions.
- NG requested time to review asbuilt plans before approval.

Smith Street tree removal, oil pipes – N.G. status

- NG reported that several attempts have been made to contact property owner at Smith Street. No contact has been made but NG will continue to reach out to the owner.
- NG reported that they will investigate the tree removal by inquiring whether LIPA can trim the branches away from the power lines or remove the tree.

System No. 1 landscape work - change order

- NG requested information on estimate from F&N for out of scope landscaping work which may or may not be performed.
- F&N reported that an estimate will be made available for out of scope work.
- F&N will contact landscape subcontractor to investigate if a sketch can be provided at no cost, (as part of the cost estimate) for the out of scope work.

System No. 1 start date – pending LIRR insurance approval

- NG reported that the insurance certificate is still awaiting approval from LIRR.
- A tentative startup date for system 1 has been moved to October 25, 2010.

System No. 1 LIPA work investigation

- NG reported that a scheduled meeting will take place with LIPA to discuss and determine changes, if any, for the system 1 installation. NG reported that more information will be available by October 18, 2010.

System 1 revised plans

- URS reported that plans will be sent out when revisions are completed.
- NG requested URS wait until the walk down has been completed and the revisions are finalized.
- F&N requested the CADD drawings be sent when revisions and plans are complete.

System 1 expansion

- F&N reported that system 1 has the capacity to expand from 96 points to 106 points if needed.
- NG requested that URS investigate whether 10 additional points will be sufficient for system 1.
- F&N reported that once system 1 plans are finalized, delivery could take up to 90 days.

3. Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS requested information on wells #32 and #35 which are not performing correctly in system 2.
- F&N reported that they will take corrective action on the wells on October 14, 2010.
- URS informed F&N that a uniform 2 ½" is required before they will be released from their obligations for the grassed areas.

- URS requested information as to the grounding rod installation at system 2.
- F&N reported that they will check for the grounding rod and if none were installed F&N will install a grounding rod at system 2 structure.
- URS reported that after reviewing the final concrete work, there is a section of new concrete curb that meets the existing curb with no expansion joint or caulk in place.

4. Revisions to construction schedule

- System 1 is now tentatively set to start on October 25, 2010.

5. Progress during previous work period October 6 – October 12)

- October 6 – completed the installation of the check valves to the manifolds in system 2. Continued the installation of screens at the openings in the bottom of system 2. Conducted a post construction walk down of system 2 for "punch list" items to be corrected. Began a walk down for system 1 to discuss possible revisions to proposed work to be performed.

- October 7 – F&N had no field work scheduled.

- October 8 – F&N had no field work scheduled.

- October 9 – F&N had subcontractor on site for installation of caulking in concrete areas.

- October 11 – Begin system 2 checks down and start up. Continued the installation of wire mesh at the system 2 openings. Install asphalt sealant on 158 Hilton Avenue existing driveway.

- October 12 – training session at system 2 structure for operational procedures and checks. Landscaper on site to begin work on punch list items.

6. Review submittal schedules and expedite approval

- URS reported that the concrete submittal will be sent out by end of business week.
- URS reported that RFI #3 will be sent out.
- URS requested information on the revisions of system 2 O&M manuals sent to F&N.
- F&N reported the revisions have been sent to Matrix for review.
- NG requested that URS further investigate revisions to the O&M manual and, if need be, table the revisions until a thorough review can be ascertained.

7. Pending changes and substitutions

- No comments.

8. New business

- F&N requested an official punch list be drafted for system 2.
- F&N reported that the road opening permits have been submitted for system 1.
- NG reported that the official start up of the O&M of system 2 has begun and to thank everyone involved.

9. Next Meeting

- Next meeting is scheduled for Wednesday, October 20, 2010 @ 12:30 PM.
- NG requested that the meeting scheduled for November 17, 2010 be moved to November 18, 2010.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday October 13, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review minutes of October 6, 2010 meeting
  1. September 8 – final pending
  2. September 22 – final pending
  3. October 1 – final pending
- Open items from previous meeting
  1. Soil disposal – Sample collected 10-11-10
  2. System #2 Change Order – Pending approval
  3. System #2 M.G.P. locks
  4. System #2 Fire Department meeting (tentatively 10-13-10 @ 10:00am)
  5. Seal coat & concrete caulk – Completed 10-11-10
  6. System No. 2 – As-built plans – URS and N.G. status
  7. Smith Street tree removal – N.G. status
  8. Smith Street oil pipes – N.G. status
  9. System #1 landscape work – Change Order to follow
  10. System #1 – LIRR work investigation – N.G. status
  11. System No. 1 start date – pending LIRR insurance approval
  12. System No. 1 – Revised plans – URS status
  13. System No. 1 – Expansion
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (October 6-October 12)

- Review submittal schedules and expedite approval
  1. Concrete submittal approval
  2. RFI #3
  3. O&M Manual
- Pending changes and substitutions
- New Business
  1. System #2 Official Punchlist
- Next meeting October 20 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, OCTOBER 20, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White, Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Kirk White introduced the topic of Cyber Security in the workplace and at home. Some of the following topics were discussed;

- Do not post any company information on any social networking services.
- Always remember that strangers could access your posts and personal information on public social networking services.
- Always update your privacy settings and passwords whether at your work or home computer.
- Free third-party applications should never be used on a company computer and should be strongly considered before using these applications on a home computer as they could contain malicious code.

1. Review of minutes from October 13, 2010 meeting

- The minutes of October 13, 2010 are under review.
- The final minutes of September 8, 2010 are still pending.

.

2. Open items from previous meeting

Soil Disposal-pending lab data

- F&N reported that according to the website for the laboratory used to test the sample provided, the test results will be available on October 22, 2010.

System No. 2 change order – fully executed copy to be provided by NG

- NG reported that after review the change order will be signed and sent out.

System No. 2 M.G.P. locks – URS lockbox status

- URS reported that a combination lockbox is available to purchase.
- There was some discussion on the mounting location of the lockbox in a predetermined area.
- Once the M.G.P. key has been located and received, the lockbox will be purchased and mounted accordingly.

System No. 2 Fire Department meeting

- NG reported that they have met with the fire department commissioner and a meeting at system 2 is scheduled following the weekly meeting to review system 2.

System 2 asbuilt plans

- NG reported that they have reviewed asbuilt plans and comments on the plans have been noted.
- F&N received asbuilt plans and will submit to the surveyor for comment and noted changes.

System 2 wells #32 & #35 status

- F&N reported that both wells are on line with system 2 and problems affecting the wells have been corrected.

System 2 punch list

- F&N reported having received the punch list.
- URS reported that once all items are corrected on the punch list, another walk down is to be scheduled for review of those items.

Smith Street tree removal

- NG reported having met with the property owner at 49 Sealy Avenue and received permission to remove the tree which is inside the property owner's fence on Smith Street.
- NG reported that LIPA performing the removal of the tree is under investigation. If LIPA cannot remove the tree in a timely manner than a subcontractor will be used.

Smith Street oil pipes

- NG reported having received permission from the property owner at 49 Sealy Avenue to cut, remove, and cap outside the proposed work area.

System 1 landscape work

- F&N reported that they are waiting for the subcontractor to itemize the proposed out of scope work.

System 1 LIPA work investigation

- NG reported having met with LIPA and directed URS to revise the proposed locations of the oxygen lines accordingly.
- NG reported that LIPA will mark out the proposed work areas at which there may or may not be a conflict.
- NG requested that F&N also mark out the proposed areas at which there may or may not be a conflict, subject to the revisions on the proposed plans.
- URS reported that the revisions have been received and a set of revised plans will be provided.

System 1 start date – pending LIRR insurance

- NG reported that the access agreement has been received and the insurance certificate is still pending.
- F&N reported that it will take at least a week for a survey mark out of the proposed system locations.
- URS requested another walk down.
- NG agreed to schedule another walk down to review proposed work areas.
- F&N proposed a tentative start date of November 1, 2010.

System 1 revised plans

- URS reported that the revised plans will be sent pending walk down review by NG.

System 1 expansion

- System 1 expansion is under investigation.

3. Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- NG spoke with the property owner at 49 Sealy Avenue and received the following information;
  - **A.** The garage door along Smith Street requires does not require frequent during construction activities.
  - **B.** The stoop (one step of concrete) at Smith Street can be removed permanently.
  - **C.** The tree inside the fence line at Smith Street can be removed.
  - **D.** The oil fill pipes along Smith Street in the work area can be cut, removed and capped accordingly.

4. Revisions to construction schedule

- System 1 construction is tentatively scheduled to start on November 1, 2010.
- F&N reported that they will submit a construction schedule at the next meeting on October 27, 2010.

5. Progress during previous work period (October 13 - 19)

- October 13 – the landscape subcontractor reported having completed raking, top soiling, and seeding areas directed by contractor.
  F&N continued to take readings and monitor system 2.

- October 14 – F&N continued to record readings at system 2. F&N located manhole #35 and checked the connections at the well. It was found to be a faulty gauge in the system building. F&N located #32 and checked the connections at the manhole. There was a crack in the ¾" oxygen injection line which was repaired. Manholes #35 and #32 are now operating correctly.

- October 15 – F&N removed the equipment and supplies from the south east side of Intersection Street staging yard and placed at the north east side. F&N installed the grounding rod at system 2 and attached to the building accordingly. F&N continued to monitor system 2.

- October 18 – no field work scheduled.

- October 19 – no field work scheduled.

6. Review submittal schedules and expedite approval

- URS reported the concrete submittal has been reviewed and approved.
- URS reported that RFI #3 has been reviewed and approved.
- URS reported that the O&M manual is under review.

7. Pending changes and substitutions

- NG requested that URS investigate the feasibility of sampling at the monitoring wells at system 2.
- URS will investigate and report.

8. New business

- NG reported having spoken to the property owner at 160 Hilton Avenue. The owner commended all personnel involved in the construction process for their professionalism in workman ship and the courtesy shown towards the general public.

9. Next Meeting

- Next meeting is scheduled for **Wednesday, October 27, 2010 @ 12:30 PM.**
- NG requested that the meeting scheduled for November 17, 2010 be moved to November 18, 2010.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday October 20, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review minutes of October 13, 2010 meeting
  1. September 8 – final pending
- Open items from previous meeting
  1. Soil disposal – Pending lab data
  2. System #2 Change Order – Fully executed copy to be provided by N.G.
  3. System #2 M.G.P. locks. URS lockbox status.
  4. System #2 Fire Department meeting (NG status)
  5. System #2 – As-built plans – N.G. status
  6. System #2 – Wells 32 & 35 – F&N status
  7. System #2 Punchlist
  8. Smith Street tree removal – N.G. status
  9. Smith Street oil pipes – N.G. status
  10. System #1 landscape work – F&N status
  11. System #1 – LIPA work investigation – N.G. status
  12. System #1 – Start date – pending LIRR insurance approval
  13. System #1 – Revised plans – URS status
  14. System #1 – Expansion N.G. & URS status
- Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (October 13-October 19)

- Review submittal schedules and expedite approval
  1. Concrete submittal approval
  2. RFI #3
  3. O&M Manual – URS & N.G. review status
- Pending changes and substitutions
- New Business
- Next meeting October 27 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, OCTOBER 27, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Matt Schieferstein introduced the safety topic of the week, workplace hand and foot injuries. Some of the highlights of the discussion were as follows;

- The common causes for hand and foot injuries are ;
  Distractions or being rushed while performing the task at hand.
  Complacency on the job.
  Impairment from drugs and alcohol.
  Poor tools and equipment.

- Some preventative measures which can be taken are as follows;
  Always pay attention to the task at hand.
  Be aware of all hazardous areas on a machine.
  Inform supervisors about faulty tools or equipment.
  Wear the proper hand protection for the task at hand.

1. Review of minutes from October 13, 2010 meeting

- The final minutes of October 13, 2010 have been sent out.
- The draft minutes from October 20, 2010 are still under review.

.

2. Open items from previous meeting

Soil Disposal-pending lab data

- F&N reported that according to the website of the laboratory, the status page shows the soil data has been reviewed and F&N will receive the final report soon.

System No. 2 M.G.P. locks, key status

- NG requested that URS put a tracer on the envelope which contained the key and was sent regular mail.

System No. 2 asbuilt plans

- F&N reported that they are working on finalizing the asbuilt plans.
- NG requested a delivery date from F&N and to expedite the plans.

Smith Street tree removal

- NG reported that the tree on Smith Street has been removed.

System 1 landscape work

- F&N reported that the subcontractor sent an email to F&N for a revised pricing list on the landscape work to be performed.
- F&N reported that if needed, the landscaper will submit a sketch for the out of scope work.
- NG requested the investigation of another site walk with F&N and the subcontractor to update the proposed out of scope work which will/may be needed.

System 1 LIPA work investigation

- NG reported that there will be no change in schedule of work to be performed but the possibility exists that the schedule could change if LIPA expedites work in some areas.

System 1 expansion

- System 1 expansion is under investigation.

3. System 1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS requested information on the access to the Auto Body shop on Smith Street.
- NG requested that F&N leave the driveway apron open for access into the Auto Body shop until construction necessitates its removal.
- F&N reported that they would leave the access open but would like further review at site walk.
- NG requested that F&N protect their work so as not to damage gutter curb or asphalt during the construction process.
- F&N reported they will review and protect their work.

4. Revisions to construction schedule

- F&N submitted a construction schedule for review.
- F&N reported that on November 3, 2010, demolition of the sidewalk along Smith Street will commence.
- F&N reported the installation of protective fencing along Smith Street will begin on Monday, November 01, 2010.
- NG reported closing the access to the garage door of the Carpet building on Smith Street will be investigated.
- URS requested that F&N submit a proposal for a health and safety plan along the Carpet building garage on Smith Street.
- URS requested that F&N be aware of the specifications of pouring concrete in colder temperatures.
- F&N reported having read the specifications and will comply.
- F&N reported they will begin drilling for the installation of wells on November 8, 2010.
- NG reported the removal of the sidewalk, pending the outcome of the site walk, will be considered an acceptable construction practice.
- F&N requested the system 1 expansion decision be expedited so F&N can order the system in a timely fashion.

5. Progress during previous work period (October 20 - 26)

- No work scheduled.

6. Review submittal schedules and expedite approval

- F&N reported they will review RFI#4 with URS.
- F&N reported they have received correspondence from URS for the O&M manual and will update accordingly.

7. Pending changes and substitutions

- NG requested information for the well locations and depths in the driveway apron at the Auto Body shop on Smith Street to investigate whether the wells can be moved if there is a conflict.

8. New business

- F&N requested a letter be issued to the bonding company from NG.
- F&N reported the bonding company will not issue a bond for system 1 until system 2 is accepted.
- NG reported they will work with F&N on issuing a letter to the bonding company for system 2.

9. Next Meeting

- Next meeting is scheduled for **Wednesday, November 3, 2010 @ 12:30 PM.**
- NG requested that the meeting scheduled for November 17, 2010 be moved to November 18, 2010.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday October 27, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review minutes of October 20, 2010 meeting
- Open items from previous meeting
  1. Soil disposal – Pending lab data
  2. System #2 M.G.P. locks. Key status.
  3. System #2 – As-built plans – F&N status
  4. Smith Street tree removed
  5. System #1 landscape work – F&N status
  6. System #1 – LIPA work investigation – N.G. status
  7. System #1 – Expansion N.G. & URS status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (October 20-October 26)
- Review submittal schedules and expedite approval
  1. RFI #4
  2. O&M Manual – F&N status
- Pending changes and substitutions
- New Business
  1. Letter for bonding company accepting System #2
- Next meeting November 3 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, NOVEMBER 3, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	James Christman
URS:	Kirk White , Jon Sundquist
Fenley & Nicol:	Matt Schieferstein, Jason Falquacee

Safety Topic of Meeting

Kirk White introduced the timely topic of cold weather safety and the general hazards which could be encountered.

- General hazards associated with cold weather include the following:

- The most common hazard is Frostbite. This occurs when your body does not get enough heat and the body tissues freeze.
- Body parts most affected by frostbite are the nose, ears, cheeks, fingers, and toes.
- Another hazard is hypothermia. This happens when you're exposed to cold so long that your body temperature gets dangerously low.
- Just like frostbite, hypothermia can result in unconsciousness or death.

- Some preventative measures which can be taken are as follows;

- Dress for cold weather conditions in layers of loose, dry clothes.
- Get dried or change clothes immediately if your clothes get wet.
- Be sure to cover your hands, feet, face and head.
- Keep moving when you are in the cold.
- Take regular breaks in a warm area when exposed to cold weather conditions.

1. Review of minutes from October 27, 2010 meeting

- The draft minutes from October 20, 2010 are still under review.

.

2. Open items from previous meeting

Soil Disposal-pending lab data

- F&N reported receiving the date of delivery for lab data and will correspond with NG. After correspondence, F&N will coordinate disposal with URS. Disposal is tentatively scheduled for the week of November 8, 2010.

System No. 2 M.G.P. locks, key status

- URS reported having located the M.G.P. key and will be in possession of the key with in the week.
- URS reported the key will be mounted in the predetermined location in a lock box.

System No. 2 asbuilt plans

- F&N reported asbuilt changes have been made and copies will be sent out to the appropriate parties.

System 1 landscape work

- F&N reported receiving an updated estimate from the subcontractor for out of scope work to be performed.
- F&N reported the surveyors map will have existing plants shown on the plan sheet.

System 1 LIPA work investigation

- NG reported contacting the property Atrium 200 address and notifying the contact of impending work to be performed along the LIRR.
- No updates to LIPA schedule to date.

System 1 expansion

- URS reported System 1 expansion is under investigation.

System 1 bond

- F&N reported having acquired the format requested and will review with NG for acceptance of system 2.

3. System 1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS requested a work plan for access in and out of the auto body business on Smith Street.
- F&N reported work will stop tentatively at the sidewalk flag east of the beginning of the auto body entrance, leaving the driveway apron intact. Once layout and demolition work is complete up to the driveway apron, F&N will reassess.
- URS requested that all parties meet with property owner and discuss proposed schedule and access to expedite work progress.

4. Revisions to construction schedule

- **No comments.**

5. Progress during previous work period (October 20 - 26)

- URS reported there was no work scheduled by the contractor on October 27, 28, and 29, 2010.
- November 1, 2010 begin setup for protective fence along Smith Street. Install cones, no parking signs, and barricades as needed.
- November 2, 2010 break out concrete at protective fence post locations. Set fence posts in freshly poured concrete. Saw cut approximately 1' off of building along Smith Street in preparation of concrete removal.

6. Review submittal schedules and expedite approval

- No submittals pending.

7. Pending changes and substitutions

- **No comments.**

8. New business

- URS reported having read through F&N's health and safety plan.
- URS requested F&N supply JSA's to enforce a more targeted approach to the demolition of the concrete sidewalk.
- F&N reported having JSA's pertinent to concrete demolition and will supply for review in the morning health and safety meetings.

9. Next Meeting

- Next meeting is scheduled for **Wednesday, November 10, 2010 @ 12:30 PM.**
- NG requested that the meeting scheduled for November 17, 2010 be moved to November 18, 2010.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday November 3, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review minutes of October 27, 2010 meeting
- Open items from previous meeting
  1. Soil disposal – Tentatively scheduled week of 11/8/10
  2. System #2 M.G.P. locks/Key URS status.
  3. System #2 – As-built plans – F&N status
  4. System #1 landscape work – walk through pending
  5. System #1 – LIPA work – N.G. status
  6. System #1 – Expansion N.G. & URS status
  7. System #1 – Bond – F&N status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (October 27-November 2)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting November 10 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, NOVEMBER 10, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein, Jason Falquacee

Safety Topic of Meeting

There was a general discussion regarding health and safety with the system 1 jobsite. The items covered included the following topics for discussion;

- Knowing your work area
- Communication in the workplace.
- Identifying poison ivy and some of the precautions which should be taken.
- Slips, trips, and falls in and around the work areas.
- Review JSA's pertinent to task at hand once a week along with health and safety tool box talks.
- Hasp addendum for possible tank removal or abandonment.
- Sidewalk closed signs to be posted.
- Talk about overhead wires and utilities on a daily basis.
- Eye wash station to be on site ASAP.

1. Review of minutes from November 3, 2010 meeting

- The final minutes from October 20, 2010 and October 27, 2010 have been sent out for record keeping.
- Comments were noted for the minutes of November 3, 2010 and will be revised and resubmitted.

.

2. Open items from previous meeting

Soil Disposal-pending lab data

- F&N reported the data from the soil analysis was forwarded to Clean Earth.
- NG requested pick up date of container to be scheduled for November 18, 2010 in the morning.

System No. 2 M.G.P. locks, key status

- URS reported having M.G.P. key and will pick up combination lock box and place in a predetermined location.
- NG requested that combination be given out to limited personnel for access to key.

System No. 2 asbuilt plans

- F&N delivered asbuilt plans during meeting.
- NG requested URS review the asbuilt plans and report.

System 1 landscape work

- F&N reported they have been trying to contact subcontractor to meet for review of system 1 landscape.
- NG requested a walk down of system 1 after meeting to review.

System 1 LIPA work investigation

- NG reported speaking with representative for the LIPA proposed work. Methodology of construction for LIPA is subject to change pending further discussion. Schedule is also subject to change pending further discussions with LIPA.
- NG reported more information will be available by next week's meeting.

System 1 expansion

- URS reported the expansion of system 1 is still under discussion.
- NG requested URS investigate the maximum expansion without requiring an upgrade to the system.

System 1 bond

- F&N reported working on standardized form and will coordinate with NG.

Concrete demolition JSA

- F&N reported meeting with field crew and reviewed JSA on concrete demolition.
- URS requested a JSA be reviewed once a week that is relative to the tasks being performed.
- NG requested a JSA on slips, trips, and falls be reviewed on November 11, 2010.
- F&N reported having the JSA on slips, trips, and falls and will review.

3. System 1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- NG requested F&N have the corners of the shed (system 1) marked out so that any conflicts which may or may not arise with the R.O.W. can be resolved.

- F&N reported the steel cap observed near the Auto Body shop on Smith Street cannot be opened.

- NG requested the well alignment on Smith Street be 3" in from the back face of curbing and line up in a uniform manner. The 3" refers to the distance from the steel well covers to the inside of the curbing.

- There was a general discussion on the construction methods to be used for work performed along Smith Street.

4. Revisions to construction schedule

- F&N reported the materials for well installations have been delivered.

5. Progress during previous work period (November 3 – 9, 2010)

- November 3, 2010 – saw cut, break up and remove concrete sidewalk along Smith Street. Load out concrete to Intersection Street staging yard. Install safety fencing along removed sidewalk areas and secure all construction areas accordingly.

- November 4, 2010 - saw cut, break up and remove concrete sidewalk along Smith Street. Load out concrete to Intersection Street staging yard. Install safety fencing along removed sidewalk areas and secure all construction areas accordingly.

- November 5, 2010 - saw cut, break up and remove concrete sidewalk along Smith Street. Load out concrete to Intersection Street staging yard. Install safety fencing along removed sidewalk areas and secure all construction areas accordingly.

- November 8, 2010 - saw cut, break up and remove concrete sidewalk along Smith Street. Load out concrete to Intersection Street staging yard. Install safety fencing along removed sidewalk areas and secure all construction areas accordingly. Begin pre-clearing for future installation of wells. Discovered tank at pre-clearing location for well points.

- November 9, 2010 - saw cut, break up and remove concrete sidewalk along Smith Street. Load out concrete to Intersection Street staging yard. Install safety fencing along removed sidewalk areas and secure all construction areas accordingly.

6. Review submittal schedules and expedite approval

- URS reported RFI #4 is under review and will expedite.

7. Pending changes and substitutions

- F&N reported there are discrepancies between their surveyor's lay out and the proposed plans for some well locations.
- NG requested URS review the proposed plans and advise.
- URS reported they will review and advise.

- F&N requested information on the insurance change order.
- NG requested F&N forward the change order to NG for review.

8. New business

- NG reported they will contact police department and try and clarify alternate side street parking rules so there is no confusion with the public parking.
- NG reported tracer balls may or may not be installed along trench until further investigation is completed.
- URS requested information as to who will supply the tracer balls.

9. Next Meeting

- Next meeting is scheduled for **Thursday, November 18, 2010 @ 12:30 PM.**

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday November 10, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review minutes of November 3, 2010 meeting
  1. Final from October 20 & 27
- Open items from previous meeting
  1. Soil disposal – F&N, NG coordinate
  2. System #2 M.G.P. locks – URS status
  3. System #2 – As-built plans – F&N delivered to site for final review
  4. System #1 landscape work – F&N status
  5. System #1 – LIPA work – N.G. status
  6. System #1 – Expansion N.G. & URS status
  7. System #1 – Bond – F&N status
  8. System #1 – Concrete demolition JSA
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (November 3-November 9)
- Review submittal schedules and expedite approval
  1. Revised RFI #4
- Pending changes and substitutions
- New Business
- Next meeting November 18 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, NOVEMBER 18, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein, Jason Falquacee

Safety Topic of Meeting

James Christman introduced Cold Stress Prevention as the health and safety topic of the meeting. The following items were discussed and reviewed regarding cold weather stress.

- Cold weather stress has been attributed to some cold weather related illnesses.
- Frostbite, recognizing the symptoms and prevention.
- Hypothermia (low body temperature).
- The three types of hypothermia are mild, moderate, and severe.
- Prevention of cold weather stress include the following;
  Dress in layers of warm, loose clothing.
  Wear protection of the bodily extremities such as gloves, ear muffs or a hat, loose fitting shoes with thermal liners.
  Engineering controls such as warm environment breaks. Heaters in the trailers.

1. Review of minutes from November 10, 2010 meeting

- The minutes from November 3, are under review. The final minutes from November 3, 2010 will be sent out before the holiday.

.

2. Open items from previous meeting

Soil Disposal-pending lab data

- F&N reported the soil disposal pick up from Clean Earth has been canceled.
- NG requested the soil pick up to be rescheduled on December 2, 2010 at 12:00 PM.

System No. 2 M.G.P. locks, key status

- URS reported having acquired a combination lock box to be mounted in a predetermined location next week.

System No. 2 asbuilt plans

- URS reported having reviewed the asbuilt plans and finding no discrepancies between the noted plans and the submitted asbuilt plans.
- F&N reported that six copies will be forwarded to the appropriate parties.
- F&N reported that two copies of the stamped survey plans will be forwarded to the appropriate parties.
- URS requested one set of each be sent to them.
- NG requested one set of boring logs be sent to job site trailer with one set of asbuilt plans.
- NG requested the remainder of plans be sent to the Hicksville office.

System 1 landscape work

- F&N reported landscape work has begun by subcontractor and there will be no change order issued.

System 1 LIPA work investigation

- NG reported there has been no decision on the construction methodology to be used by the contractor performing the work proposed.
- NG reported the system 1 installation schedule remains the same for the proposed work along the LIRR with no anticipated conflicts.

System 1 expansion

- URS reported the existing design for system 1 to be adequate for handling the capacity needed.
- NG requested an investigation on additional points, specifically 24 more points for a total of 120 points installed in system 1. The original design proposes 96 points.

System 1 bond

- F&N requested NG expedite review of releasing the bond for system 2.
- NG reported the bond release is under review.

System 1 – oil tank

- NG reported the oil tank discovered in the work area on Smith Street is the responsibility of the property owner of 49 Sealy Avenue's relative to removal/abandonment. The property owner has been contacted and was advised as such.
- F&N requested the construction methodology for installation of the proposed system 1 around the oil tank be submitted in writing.
- URS reported a proposal is dependent upon the removal or abandonment of the oil tank and will investigate a proposal.
- NG requested URS investigate moving well #44 possibly away from the oil tank and outside of the building footprint.

System 1 – Marker balls

- NG requested the installation of marker balls in the proposed trench for system 1.
- F&N requested a written request for the installation of marker balls.
- NG reported they will investigate acquiring marker balls.

3. System 1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS requested establishing an access way for foot traffic at the proposed location of system 1 shed.
- NG requested all holes from the removed plantings be filled and compacted and safe access be provided for traffic moving up and down the proposed area for system 1 shed location.
- NG requested a proposal be submitted by F&N for a safe, drivable access way to the proposed system 1 shed location.
- F&N proposed utilizing the LIRR right of way to access the system 1 proposed shed location.
- URS reported possible conflicts with access along LIRR right of way with future proposed construction.
- URS requested a safe access be installed for workers to travel in and out of proposed system 1 shed area.

4. Revisions to construction schedule

- F&N reported Glacier will be off site Wednesday, November 24, 2010.
- F&N reported no Local 138 operator will be available for next week's work.

5. Progress during previous work period (November 10 – 17, 2010)

- November 10, 2010 – saw cut, break up and remove concrete sidewalk along Smith Street. Load out concrete to Intersection Street staging yard. Install safety fencing along removed sidewalk areas and secure all construction areas accordingly. A safety audit was conducted by NG. Met with township representatives about township specifications for concrete work. Performed a scheduled walk down of system 1 to review proposed locations of wells and work activities.

- November 11, 2010 – clean up proposed system 1 shed location. Unload supplies in Intersection Street staging area.

- November 12, 2010 -clean up proposed system 1 shed location. Unload supplies in Intersection Street staging area. Install temporary fencing at system 2 to enclose area.

- November 15, 2010 - saw cut, break up and remove concrete sidewalk along Smith Street. Load out concrete to Intersection Street staging yard. Install safety fencing along removed sidewalk areas and secure all construction areas accordingly. Install RCA and compact at driveway aprons for access. Continue to pre clear at designated well locations.
  Glacier was on site to begin deep well drilling at Smith Street.

- November 16, 2010 - saw cut, break up and remove concrete sidewalk along Smith Street. Load out concrete to Intersection Street staging yard. Install safety fencing along removed sidewalk areas and secure all construction areas accordingly. Install RCA and compact at driveway aprons for access. Continue to pre clear at designated well locations.
  Glacier was on site to continue deep well drilling at Smith Street.

- November 17, 2010 - saw cut, break up and remove concrete sidewalk along Smith Street. Load out concrete to Intersection Street staging yard. Install safety fencing along removed sidewalk areas and secure all construction areas accordingly. Install RCA and compact at driveway aprons for access. Continue to pre clear at designated well locations.
  Glacier was on site to continue deep well drilling at Smith Street. Begin well drilling shallow wells along Smith Street.

- November 18, 2010 - saw cut, break up and remove concrete sidewalk along Smith Street. Load out concrete to Intersection Street staging yard. Install safety fencing along removed sidewalk areas and secure all construction areas accordingly. Install RCA and compact at driveway aprons for access. Continue to pre clear at designated well locations.
  Glacier was on site to continue deep well drilling at Smith Street. Continue well drilling shallow wells along Smith Street.

6. Review submittal schedules and expedite approval

- F&N reported O&M plan has been approved.

7. Pending changes and substitutions

- **No comments**

8. New business

- F&N reported the measurements for DO are taken as per specifications.
- NG requested URS schedule measurements for DO as soon as possible to be taken at a minimum of 10' intervals.
- URS reported scheduling accordingly and will rent the appropriate equipment.
- NG requested status of daily reports as required by specifications.
- F&N proposed reviewing daily reports in the field to expedite submittals.
- URS reported reviewing daily reports in the field would be acceptable as long as they are submitted in a timely fashion.
- URS reported scheduling a health and safety luncheon to be held sometime in December.
- URS requested information on an approved health and safety officer from F&N.
- F&N reported they are in discussion with NG about health and safety officer approval.
- F&N requested a final walk down for the punch list of system 2.
- NG requested URS perform a pre walk down and schedule a pre walk down with NG prior to a final walk down.
- F&N reported the capped curbing apron in front of 63 Smith Street has stress cracks from the removal of the concrete sidewalk.
- URS requested the capped curb be removed when the trenching operation commences.
- URS requested NG schedule a meeting with the township for a recommendation on the capped curbing prior to its removal.
- URS requested NG contact LIPA to investigate the sagging support cable (non-electrical) at the proposed location of system 1 on LIRR property.

- A process of releasing the oil tank area to an independent contractor was discussed. It was determined that once a contractor was selected by the property owner of 49 Sealy Avenue, the area would be released to that contractor to remove/abandon the oil tank as long as it is performed in a timely fashion and meets the proposed schedule.

9. Next Meeting

- Next meeting is scheduled for **Wednesday, December 1, 2010 @ 12:30 PM.**

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday November 18, 2010, 11:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review minutes of November 10, 2010 meeting
  1. Final from November 3, 2010
- Open items from previous meeting
  1. Soil disposal – Scheduled 11/18/10
  2. System #2 M.G.P. locks – URS status
  3. System #2 – As-built plans – URS Status
  4. System #1 landscape work – F&N status
  5. System #1 – LIPA work – N.G. status
  6. System #1 – Expansion N.G. & URS status
  7. System #1 – Bond – F&N status
  8. System #1 – Oil Tank
  9. System #1 – Tracer Balls – NG Status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (November 10-November 17)
- Review submittal schedules and expedite approval
  1. Revised O&M plan – F&N status
- Pending changes and substitutions
- New Business
  1. DO Measurements
  2. System #1 Daily Reports
- Next meeting November 24 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, DECEMBER 2, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone), Megan Dascoli
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Pat Van Rossem introduced the timely subject of utility mark out. The discussion included the following topics;

- Before beginning construction, the utility mark out should be reviewed in the field so all personnel are aware of the existing utilities.
- The contractor should review all printed receipts with the field engineer before construction begins.
- The contractor is required to call for a utility mark out every 10 days.
- All underground utilities are to be reviewed in the health and safety meeting on a daily basis.
- Proposed well locations are to be marked out in a timely and uniform manner.
- All overhead wires as well as guy wires on the construction site are to be reviewed on a daily basis during the health and safety meetings.
- If or when construction activities are to be moved, a review of the overhead and underground utilities by the contractor is mandatory.

1. Review of minutes from November 18, 2010 meeting

- The minutes from November 18 are under review. The final comments were requested to be submitted prior to the next meeting on December 8, 2010.
  .

2. Open items from previous meeting

Soil Disposal-pending lab data

- F&N reported Clean Earth requires another analysis to be performed before the roll off will be picked up.
- F&N submitted the data and is awaiting the results.

System No. 2 M.G.P. locks, key status

- URS reported the key is in the lock box and is to be mounted in a predetermined location on site with a combination to be submitted to limited parties determined by NG.

System No. 2 asbuilt plans

- F&N reported to be in correspondence with URS regarding closeout procedures. The closeout is progressing accordingly.

System 1 LIPA work investigation

- NG reported speaking with LIPA representative with regards to the relocation of overhead electric lines which should be no conflict with system 1 proposed work.
- NG reported LIPA will be starting construction on test holes operation to check for the required clearances of existing utilities on December 6, 2010.
- F&N reported the access fence to the LIRR of off Atlantic Avenue will be pulled back and the temporary fence installed on December 3, 2010.

System 1 expansion

- F&N reported a pricing breakdown for sets of 10 points will be submitted to URS for further review.
- NG inquired as to whether there are capacity upgrades to the system for the additional points.
- F&N will investigate if capacity upgrades are part of the installation of the additional points.
- NG requested further discussion and investigation on pricing and installation of points.

System 1 – oil tank

- F&N reported giving a price quote to the property owner of the tank on Smith Street.
- NG reported the construction method will be to sleeve the oxygen injection lines between the building and the tank with 6” sleeves. The sleeve is to be labeled for oxygen lines.

- F&N requested written documentation for construction methodology.
- NG requested URS draft a written construction methodology for submittal.

System 1 – Marker balls

- URS reported submitting the construction details to F&N for the installation of the Marker balls.
- URS requested the Marker balls be installed at every other injection set or point and at the proposed angles to designate a change of direction.

Township Meeting – Curbing

- URS requested meeting with the Village of Hempstead when construction reaches the capped concrete apron in front of the Auto Body Shop on Smith Street to verify capped concrete replacement at the gutter curb.

Punch List

- URS reported a pre walk down had been performed for the proposed punch list items.
- URS requested an update for the installation of the sanitary cap at 158 Hilton Avenue driveway.
- F&N reported the sanitary cap has been installed as well as the chain and lock on the small gate at system 2.
- NG reported that subject to the final walk down, the punch list has been corrected and complete.

3. System 1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS recommended F&N strip the topsoil in the LIRR prior to excavation to create a better working environment.
- URS requested information on a schedule update and if F&N anticipates staying on schedule.
- URS requested information as to the experienced personnel removed from the job site and whether they will return.
- F&N reported not anticipating a delay in the current schedule.
- F&N reported Glacier will install 3 well points per day to meet schedule.
- F&N reported the 7720 drill will install 3 well points per day.
- URS reported the proposed installation of 3 well points per day will be difficult due to changing conditions in the working environment.

4. Revisions to construction schedule

- NG requested an updated construction schedule.
- F&N will investigate adding personnel to add to production.

5. Progress during previous work period (November 18 – December 1, 2010)

- November 18, 2010 – saw cut Wendell Street dead end crossing for proposed drilling and trenching. The subcontractor on site removed existing trees in line with proposed trenching. Remove and repot plants and shrubs and stockpile with shredded leaves and mulch at Intersection Street staging area. Continue to pre clear for installation of wells on Smith Street. Continue to install deep and shallow wells on Smith Street.

- November 19, 2010 – Continue to pre clear for the proposed well locations. Continue to drill deep and shallow wells along Smith Street. Grade and clean off debris at designated area for system 1.

- November 22, 2010 - Continue to pre clear for the proposed well locations. Continue to drill deep and shallow wells along Smith Street. Perform housekeeping at Intersection Street staging yard. Begin measuring and cutting ¾" hdpe pipe for oxygen injection lines.

- November 23, 2010 - - Continue to pre clear for the proposed well locations. Continue to drill deep and shallow wells along Smith Street. Perform housekeeping at Intersection Street staging yard. Begin measuring and cutting ¾" hdpe pipe for oxygen injection lines.

- November 24, 2010 - Continue to pre clear for the proposed well locations. Continue to drill shallow wells along Smith Street. Perform housekeeping at Intersection Street staging yard. Begin measuring and cutting ¾" hdpe pipe for oxygen injection lines.

- November 29, 2010 - Continue to pre clear for the proposed well locations. Continue to drill shallow and deep wells along Smith Street. Install fabric and crushed RCA for access road for a safe traveled way to the LIRR.

- November 30, 2010 - Continue to pre clear for the proposed well locations. Continue to drill shallow and deep wells along Smith Street. Excavate and remove stumps and debris along the LIRR. Grade the backside of the proposed platform for system 1 for better access to the LIRR.

- December 1, 2010 - Continue to pre clear for the proposed well locations. Continue to drill shallow and deep wells along Smith Street. Load out 1 load of concrete and debris from Intersection Street staging yard. Install fabric and RCA for access to LIRR from Atlantic Avenue.

6. Review submittal schedules and expedite approval

- No submittals pending.

7. Pending changes and substitutions

- **No comments**

8. Next Meeting

- Next meeting is scheduled for **Wednesday, December 8, 2010 @ 12:30 PM.**

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Thursday December 2, 2010, 11:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review minutes of November 18, 2010 meeting
- Open items from previous meeting
  1. Soil disposal – F&N status
  2. System #2 M.G.P. locks – URS status
  3. System #2 – As-built plans – F&N status
  4. System #1 – LIPA work – N.G. status
  5. System #1 – Expansion F&N pricing status
  6. System #1 – Oil Tank – Construction methodology status
  7. System #1 – Tracer Balls – NG Status
  8. System #1 – Curb – Township meeting
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (November 18-December 1)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting December 8 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, DECEMBER 8, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone), Megan Dascoli
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Matt Schieferstein introduced the subject of **Eye Protection**. The discussion included the following topics;

- The human eye occupies the smallest portion of area on your body bit is involved in more accidents than any other part of the body.
- Your eyes have built in protection to help prevent injuries.
- Workers can still get particles of dust, metal, wood, glass, concrete, plastic, or other hard substances in their eyes.
- Proper lighting is essential for our eyes.
- Exposure to the wrong light sources can be serious such as from a welding arc or lasers.
- Protective eye shields, glasses or other approved eyewear must be worn.
- Eye protection should be stamped with **ANSI Z87.1.**
- Have your eyes examined periodically. Accidents are sometimes the result of poor vision.
- Do not work outdoors for an extended periods without sunglasses.
- Never rub your eye if you get something in it.

1. Review of minutes from December 2, 2010 meeting

- . The final minutes of November 18 have been sent.

.

1. Open items from previous meeting

Soil Disposal-pending lab data

- F&N is awaiting lab results.

System No. 2 M.G.P. locks, key status

- URS reported the lock box will be mounted by Friday, December 10.
- URS will Google address at Intersection Street.

System No. 2 asbuilt plans

- F&N is continuing with the closeout documents.

System 1 LIPA work investigation

- NG reported LIPA will be trenching in the LIRR behind the Atrium building on the east side of the existing construction fence.
- F&N requested LIPA work around the drillers.
- NG reported LIPA is aware and will comply.
- URS suggested wells #17 through #23 to be installed 6"below grade at a minimum and marked with stakes to show location.
- URS requested F&N check the distance from the flower bed (east edge of trench) to the construction fence for a distance of 18'which will designate the construction restoration area in the LIRR.
- F&N requested the wells #17 and #18 be drilled December 9, 2010.

System 1 expansion

- URS requested pricing breakdown from Matrix. URS is awaiting a response from Matrix.
- F&N reported the structure will have to be ordered soon to arrive in a timely fashion.

System 1 – oil tank

- URS reported the construction directive for the installation of oxygen injection lines will be sent out by end of day, December 8, 2010.

Township Meeting – Curbing

- URS requested a meeting with the Village be set up on the date of trenching along the concrete capped curb.

- NG requested two days notification prior to meeting with the Village.

3. System 1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS requested information for the pending construction around the existing oil tank on Smith Street.
- NG requested F&N continue to excavate up to the oil tank and stop. NG requested F&N resume excavation of the trench on the west side of the existing oil tank.

4. Revisions to construction schedule

No comments

5. Progress during previous work period (November 18 – December 1, 2010)

- December 2, 2010 – Continue to pre clear for well installation. Continue the installation of deep and shallow wells.
- December 3, 2010 – Continue to pre clear for well installation. Continue the installation of deep and shallow wells. Peel back the existing fence for access from Atlantic Avenue to LIRR and install temporary fence with filter fabric attached. Install construction safety fence in the LIRR to designate construction restoration area.
- December 6, 2010 – Continue to pre clear for well installation. Continue the installation of deep and shallow wells. Assemble manholes at Intersection Street staging yard.
- December 7, 2010 – Continue to pre clear for well installation. Continue the installation of deep and shallow wells. Assemble manholes at Intersection Street staging yard.

6. Review submittal schedules and expedite approval

- No submittals pending.

7. Pending changes and substitutions

- **No comments**

8. New Business

- URS requested notification prior to road closing on Hilton Avenue? .
- URS requested that paddle signs be used for traffic control during construction.
- F&N reported the shoulder on Hilton Avenue will be closed for construction activities for how many days?.
- NG requested that F&N hand dig when working around the existing telecommunications, electric lines, etc.
- F&N distributed the Operations Manual System #2 Revision #1.

- Next meeting is scheduled for **Wednesday, December 15, 2010 @ 12:30 PM.**

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday December 8, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of December 2, 2010 Meeting
  - November 18, 2010 Meeting – Final Minutes Pending
- Open items from previous meeting
  1. Soil Disposal – F&N status
  2. System #2 M.G.P. Locks – URS status
  3. System #2 – As-built plans/Close-out Documents – F&N status
  4. System #2 – Punch List Completion Approval – URS/NG Status
  5. System #1 – LIPA Work – NG status
  6. System #1 – Expansion – F&N, URS, NG Status
  7. System #1 – Oil Tank Official Construction Methodology – URS/NG Status
  8. System #1 – Curb Township meeting
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (December 2 – December 7)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting December 15th @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, DECEMBER 15, 2010, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone), Megan Dascoli
Fenley & Nicol:	Jason Falquacee

Safety Topic of Meeting

Megan Dascoli introduced the timely topic of Winter Driving Safety. The discussion included the following topics;

- The use of winter windshield washer should be used during winter weather conditions.
- The gas tank should be kept a quarter tanks full at a minimum to reduce the chances of ice accumulating in fuel lines.
- An emergency kit should be available in each vehicle.
- A cell phone with charger is recommended in case of emergency.
- Driving precautions include knowing your car and how to react in adverse conditions such as;
- Does your car have ABS or standard brakes?
- Does your car have rear wheel drive or front wheel drive?
- Never use the cruise control options during possible icy conditions.
- Always reduce your speed during possible inclement weather conditions.
- Triple the normal spacing between cars and objects.

1. Review of minutes from December 8, 2010 meeting

- . The minutes from December 8, 2010 are under review and will be finalized by end of work week.

.

2. Open items from previous meeting

Soil Disposal-pending lab data

- F&N reported Clean Earth will pick up the container on December 29, 2010.

System No. 2 M.G.P. locks, key status

- URS reported the lock box has been installed.

System No. 2 asbuilt plans

- F&N reported close out documents are ongoing.

System 1 LIPA work investigation

- NG reported LIPA has revised the work schedule. LIPA will not start work in the LIRR area until sometime in January. NG requested the LIPA schedule remain on the agenda for further review and updates.

System 1 expansion

- NG requested F&N confirm the date which System #1 has been ordered.
- NG requested F&N confirm a delivery date for receiving System #1.
- NG requested System #1 delivery and ordering date remain on the agenda for report.

System 1 – oil tank

- URS reported wells #43, #44, #45 have been installed.
- URS reported trenching between the existing building and the existing tank and installing 6" sleeves accordingly.
- NG reported existing tank is to be abandoned in place by a separate contractor hired by the property owner on Tuesday, December 21, 2010.

Township Meeting – Curbing

- URS reported meeting with the Village of Hempstead.
- URS reported the Village requested the concrete apron in front of the Auto Body Shop on Smith Street be restored to its pre existing condition.

3. System 1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS reported productivity in field operations has slowed due to cold weather conditions.
- URS requested a date which the paddle stop sign will be acquired for the Hilton Avenue road closure.
- URS requested the installed wells along the LIRR be better protected to avoid potential damage.
- NG requested F&N report about the possibility of adding another work crew to expedite the trench construction.

4. Revisions to construction schedule

- URS reported a review of the construction schedule will commence after the upcoming holidays.

5. Progress during previous work period (November 18 – December 1, 2010)

- December 8, 2010 – Continue to pre clear. Continue installation of wells. Begin trenching along Smith Street sidewalk area.
- December 9, 2010 - Continue to pre clear. Continue installation of wells. Continue trenching along Smith Street sidewalk area.
- December 10, 2010 - Continue to pre clear. Continue installation of wells. Continue trenching along Smith Street sidewalk area. Install 12" sleeve at back parking lot for the carpet building.
- December 13, 2010 - Continue to pre clear. Continue installation of wells. Continue trenching along Smith Street sidewalk area.
- December 14, 2010 - Complete shallow well installation. Continue to trench along Smith Street sidewalk. Install 12" sleeve and install steel plate to provide access to Auto Body Shop garage. Continue to install deep wells.

6. Review submittal schedules and expedite approval

- URS reported approval for F&N invoices are pending.

7. Pending changes and substitutions

- **No comments**

8. New Business

- URS requested F&N report on fowl weather procedures policy.
- NG requested a discussion following the meeting for the location and installation of monitoring points.

- Next meeting is scheduled for **Wednesday, December 22, 2010 @ 12:30 PM.**
- **After the meeting NG requested the time be moved up to 1:00 PM.**

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday December 15, 2010, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of December 8, 2010 Meeting
- Open items from previous meeting
  1. Soil Disposal – Lab data submitted to Clean Earth, Schedule pending
  2. System #2 M.G.P. Locks – URS status
  3. System #2 – As-built plans/Close-out Documents – F&N status
  4. System #1 – LIPA Work – NG status
  5. System #1 – Expansion – Approved, system ordered 12/14/10
  6. System #1 – Oil Tank Official Construction Methodology – URS/NG Status
  7. System #1 – Curb Township meeting
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (December 8 – December 14)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting December 22 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, DECEMBER 22, 2010, 1:00 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone), Megan Dascoli
Fenley & Nicol:	Jason Falquacee

Safety Topic of Meeting

Kirk White introduced the timely topic of Driving Safety during the Holiday season. The discussion included the following topics;

- While everyone is busy thinking about getting that last minute gift for someone, take the time to slow down and be aware of the drivers around you and the fact that they are thinking of the same thing.
- Remember that during the Holiday season alcohol consumption rises, so be aware and again slow down.
- During the holidays spirits are usually high but afterwards the national suicide rate increases. Try to keep your emotions level and remember that over consumption of alcohol only contributes to depression.

1. Review of minutes from December 15, 2010 meeting

- . The minutes from December 15, 2010 were finalized and sent out.
  .

2. Open items from previous meeting

Soil Disposal-pending lab data

- F&N reported Clean Earth will pick up the container on December 29, 2010 @12:00 PM.

System # 2 asbuilt plans

- F&N reported close out documents are ongoing.
- F&N requested an update from URS on the status of close out documents outstanding.

System #1 LIPA work investigation

- NG reported that they will contact LIPA for a work schedule update. NG requested the LIPA schedule remain on the agenda for further review and updates.

System #1 expansion

- F&N reported the System #1 has been ordered on 12/20/10.
- F&N reported awaiting a response from Matrix for the delivery date.
- NG requested the System #1 report remain on the agenda.

System #1 – oil tank

- URS reported the contractor (Milro) hired by the property owner (Telfeyan Carpets) to abandon the existing oil tank was at the site and worked on the existing oil tank.
- URS requested NG contact the property owner for an update to the status of the existing oil tank.
- URS reported that field conditions around the existing oil tank imply the work has been completed for the abandonment of the tank.

Foul Weather Procedures

- F&N reported a procedure has been implemented and will be reviewed once Matt returns from vacation.
- URS reported Kirk White is to be notified by F&N first to begin a phone call chain when foul weather prohibits work activities at the site.

3. System 1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- F&N reported a second construction crew may or may not start once all wells are installed.
- URS reported development of the wells is progressing and all procedures for development are being followed accordingly.
- NG requested a review of the open trench on Wendell and Smith Street.
- A discussion ensued on construction methodologies of safety over the Holidays.

4. Revisions to construction schedule

- URS requested this item be discussed after the Holidays.

5. Progress during previous work period (December 15 – December 21, 2010)

- December 15, 2010 – Trench between the Telfeyan Carpet oil tank and building on Smith Street and install two sets of 6" pipe sleeves approximately 30' in length. Begin to develop wells previously installed on Smith Street. Continue to install wells.
- December 16, 2010 – Continue to trench at Smith Street. Begin installation of 6" sand bedding in trench. Continue to develop wells. Continue the installation of wells. Begin the installation of fittings at the previously installed wells on Smith Street.
- December 17, 2010 - Continue to trench at Smith Street. Continue to develop wells. Continue the installation of wells.
- December 20, 2010 - Continue to trench at Smith Street and Wendel. Continue installation of 6" sand bedding in trench. Continue to develop wells. Continue the installation of wells. Continue the installation of fittings at the previously installed wells on Smith Street.
- December 21, 2010 - Continue to trench at Smith Street and Wendel up to System #1. Continue installation of 6" sand bedding in trench. Continue to develop wells. Continue the installation of wells. Continue the installation of fittings at the previously installed wells on Smith Street.

6. Review submittal schedules and expedite approval

There are no submittals pending.

7. Pending changes and substitutions

No comments

8. New Business

- NG requested URS investigate a marking type of device to be installed at the surface of proposed well locations #17 - #24 along the LIRR.
- NG will advise F&N of updates to the LIPA schedule in a timely fashion.
- F&N reported Glacier will be on site January 3, 2011.
- URS requested F&N notify NG for road closing schedule.
- URS requested F&N install wells #10D first. Then well #3, #2, and #1.

- Next meeting is scheduled for **Wednesday, December 29, 2010 @ 12:30 PM.**

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday December 22, 2010, 1:00 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of December 8, 2010 Meeting
- Open items from previous meeting
  1. Soil Disposal –Clean Earth to pick up 12/29/10
  2. System #2 – As-built plans/Close-out Documents – F&N status
  3. System #1 – LIPA Work – NG status
  4. System #1 – Expansion – Approved, system ordered 12/20/10, no delivery date scheduled as of today
  5. System #1 – Oil Tank Official Construction Methodology – URS/NG Status
  6. System #1 – Foul weather procedure policy – Matt will address when he returns from vacation.
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (December 15 – December 21)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
  1. Glacier subcontractor – review
- Next meeting December 29 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, JANUARY 5, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone), Megan Dascoli
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Kirk White introduced the timely subject of Snow Shoveling Safety Tips. The following items were discussed.

- Shoveling snow can be a serious health risk if you have a history of heart related illness. High blood pressure and high cholesterol are risk factors as well.
- Before starting to shovel, be sure you have warmed up properly. Try using the same type of stretching you do before your regular exercise.
- Start slowly and work at a steady pace and take frequent breaks. Shoveling snow rapidly for long periods at a time will compromise your safety.
- When you are shoveling snow, be sure to remain hydrated. Dehydration can cause dizziness and fainting as well as more serious health issues.
- Stand with your feet slightly apart and bend your knees as you lift. Twisting your body while lifting can cause injury. Your feet should point in the direction you are lifting and throwing in.
- If it is cold outside, wear multiple layers for insulation, and so that you can shed layers if you become overheated. Be sure to cover your extremities to guard against frostbite.

1. Review of minutes from December 22, 2010 meeting

- . The minutes from December 22, 2010 have been finalized and sent out accordingly.
  .

2. Open items from previous meeting

Soil Disposal-pending lab data

- F&N reported Clean Earth was scheduled to pick up the container today. If Clean Earth does not arrive as scheduled, the container will be rescheduled for pick up on the following Wednesday at 12:00 PM.

System No. 2 asbuilt plans

- F&N reported close out documents are ongoing.
- URS requested F&N submit the boring logs.

System #1 LIPA work investigation

- NG reported LIPA may or may not begin work in LIRR in 3 or 4 weeks. This item is ongoing.

System# 1 expansion

- NG requested F&N contact Matrix to confirm a delivery date for the System #1 building.
- NG requested that F&N place priority on confirming a date.

System# 1 – oil tank

- NG reported having contacted a Nassau County representative to confirm the existing oil tank has been abandoned in place. This was confirmed.

Foul weather procedure policy

- F&N reported a procedure has been established and is in place.

System#1 – LIRR well marking device

- URS reported speaking with contractor performing work under LIPA supervision. Contractor suggested marking the existing wells in the LIRR area with cones and/ or flags.
- NG requested that protecting the wells be a priority.

- URS reported investigating a device which will protect the wells in the LIRR work areas.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS reported the existing trench along Smith Street sidewalk area had several wash outs due to snow removal and needed to be cleaned up prior to backfill installation.
- URS requested F&N direct the installation of marker balls according to the construction directive which had been submitted.
- F&N reported the subcontractor, Glacier, will be on site next week to complete the monitoring well installations.

4. Revisions to construction schedule

- There was a discussion on updating the schedule to reflect the current status of work progress.
- F&N reported they will investigate adding personnel to expedite the construction of System #1.

5. Progress during previous work period (December 22- January 4)

- December 22, 2010 –Complete trench up to proposed area of System #1 building. Begin the installation of oxygen injection lines. Continue the well development. Continue the installation of wells.
- December 23, 2010 – Continue the installation of the oxygen injection lines along Smith Street sidewalk area.
- December 27, 2010 – Due to inclement weather conditions, no work scheduled.
- December 28, 2010 – Snow removal.
- December 29, 2010 – Snow removal.
- December 30, 2010 – Snow removal and continue the installation of oxygen injection lines.
- January 3, 2011 – Continue to install oxygen injection lines. Clean out trench, continue the installation of wells. Continue connecting oxygen injection lines to well points.
- January 4, 2011 - Continue to install oxygen injection lines. Clean out trench, continue the installation of wells. Continue connecting oxygen injection lines to well points.

6. Review submittal schedules and expedite approval

- **No comments.**

7. Pending changes and substitutions

- **No comments.**

8. New Business

- F&N reported meeting with Village of Hempstead inspector for the approval of the Hilton Avenue road crossing. F&N reported the Village of Hempstead inspector requested changing the specifications for the sidewalk thickness on Smith Street.
- URS requested the contact information of the inspector to further investigate a change in specifications.
- NG reported they will contact the Village of Hempstead to further investigate.
- URS requested F&N acquire extra bags of cold patch to have on the site if repairs to the existing cold patch on Hilton Avenue are needed.
- URS requested F&N record all deliveries coming into the Intersection Street staging yard and be included in the daily reports.
- URS requested all delivery tickets be copied and a copy be submitted by F&N to URS.
- F&N reported they will comply with URS requests.
- Next meeting is scheduled for **Wednesday, January 12, 2011 @ 12:30 PM.**

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday January 5, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of December 22, 2010 Meeting
- Open items from previous meeting
  1. Soil Disposal –Clean Earth to pick up 1/5/11
  2. System #2 – As-built plans/Close-out Documents – F&N status
  3. System #1 – LIPA Work – NG status
  4. System #1 – System status
  5. System #1 – Oil Tank – NG Status
  6. System #1 – Foul weather procedure policy – Matt will address when he returns from vacation.
  7. System #1 – LIRR well marking device, URS status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (December 22 – January 4)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting January 12 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, JANUARY 13, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone), Megan Dascoli
Fenley & Nicol:	Jason Falquacee

Safety Topic of Meeting

Kirk White introduced the timely subject of Electrical Safety. The following items were discussed.

- In the U.S., the top three causes of injury involving electricity at home or in the workplace include: Fires as a result of old wiring, incorrect use of surge suppressors and extension cords, and electrocutions from power lines wiring systems and large appliances.
- In the office; avoid plugging all your electrical equipment into one circuit. Overloaded circuits can overheat and cause a fire. Eliminate large stacks of paper or files from your work area. Position electrical cords where they cannot be cut by sharp edges or rolled over by a chair. Keep cords away from space heaters and radiators. Never remove cords from receptacles by pulling on the cords themselves. Instead, remove them by pulling on the plug.
- On the job site; inspect all electrical equipment before use. Ensure power tools have no frayed cords, broken plugs or broken housing. If they do repair or replace them. Use tools and equipment that are double insulated. Contact the utility company, utility protection service or owner for utility clearance when working near power lines. Always use the proper rated GFCI when working outdoors.

1. Review of minutes from January 05, 2011 meeting

- URS reported pending any further comments, the final minutes will be sent out by the end of the week.

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2. Open items from previous meeting

Soil Disposal-pending lab data

- F&N reported the 20 yard container has been picked up today and an empty 20 yard container has been dropped off.
- NG requested F&N provide a more legible copy of the original manifest.

System No. 2 asbuilt plans

- F&N reported close out documents are ongoing.

System #1 LIPA work investigation

- NG reported LIPA may tentatively begin the test holes on Atlantic Avenue and Hilton Avenue on Monday, January 24, 2011.
- NG reported LIPA will begin setting the utility poles at proposed locations soon.
- NG requested URS air monitor any excavation around the proposed remediation areas which LIPA will be working on.

System# 1 – Delivery Status

- F&N reported contacting Matrix for the estimated date of delivery of System #1. F&N reported Matrix has yet to supply a date of delivery.
- URS reported that they will contact Matrix inquiring to the date of delivery.

System#1 – LIRR well marking device

- URS reported that dependant of F&N's schedule, the snow will be removed along the trench of proposed work areas and the wells will be marked with flags.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS reported the monitoring well installation should be complete on Tuesday, January 18, 2011.
- URS requested a work schedule for System #1 be discussed as soon as a work schedule is available from F&N.

4. Revisions to construction schedule

- URS requested the pressure testing for System #1 begin as soon as possible.
- NG reported that with the unpredictability of weather, it would be prudent to complete the pressure testing for Smith Street ASAP.

5. Progress during previous work period (January 5 – January 12)

- 01/05/2011 – Well installation of #1S. Complete installation of injection lines along Smith Street. Continue to remove ruble and wash out material from trench. Begin installation of 1' tank sand to cover the injection lines on Wendell Street.
- 01/06/2011 – Well installation of #2S and monitoring point MP-1-8. Continue to backfill injection lines on Wendell Street up to grade. Compact backfill accordingly.
- 01/07/2011 – Continue the installation of tank sand along Smith Street. Continue to compact accordingly.
- 01/10/2011 – Well installation of #2D. Continue with the installation of 1' cover of tank sand along the trench on Smith Street. Compact accordingly. Begin the installation of common fill along Smith Street and compact accordingly.
- 01/11/2011 – Well installation of #1D. Complete the installation of common fill along Smith Street and compact accordingly. Replace and secure all safety fence where needed.
- 01/12/2011 – No work scheduled due to inclement weather.

6. Review submittal schedules and expedite approval

- **No comments.**

7. Pending changes and substitutions

- **No comments.**

8. New Business – System #1 Village of Hempstead status

- URS requested NG contact the Village of Hempstead to inquire about the specifications on the thickness of sidewalk and driveway apron concrete.
- NG reported they will contact the Village for clarification on the specifications for proposed concrete work.
- URS requested F&N remove the snow along the proposed LIRR trench to expose and mark the existing wells.
- URS requested that no snow be mixed with the proposed excavation material.
- Next meeting is scheduled for **Wednesday, January 19, 2011 @ 12:30 PM.**

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Thursday January 13, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of January 5, 2011 Meeting
- Open items from previous meeting
  1. Soil Disposal –Clean Earth to pick up 1/13/11
  2. System #2 – As-built plans/Close-out Documents – F&N status
  3. System #1 – LIPA Work – NG status
  4. System #1 – System delivery status
  5. System #1 – LIRR well marking device, URS status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (January 5 – January 12)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
  1. System #1 Village of Hempstead inspector – URS status
- Next meeting January 19 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY 19, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone), Megan Dascoli
Fenley & Nicol:	Jason Falquacee, Matt Schieferstein

Safety Topic of Meeting

There was a discussion and review on an incident which occurred January 13, 2011, unrelated to the O2 System#1 project jobsite. Pat Van Rossem reported a worker from the Ford dealership had fallen into an excavated hole. The worker was extricated safely but was shaken up, and reportedly his injuries do not appear to be too serious. A review of what precautions should be taken to avoid an incident like the aforementioned on our job site ensued.

Kirk White introduced the topic of housekeeping safety. The following items were discussed.

- Housekeeping is not just cleanliness. It includes keeping work areas neat and orderly; maintaining halls and floors free of slip and trip hazards; and removing of waste materials and other fire hazards.
- Immediately clean up anything on the floor that creates a slip hazard: water, grease, paper or dust.
- Close cabinets used for storage when not in use.
- Never block fire exits or fire equipment.
- Pick up and store tools in their proper location immediately after use.
- Keep ventilation systems clear of dust and debris and stored materials.
- Remove combustible waste often to minimize the fire hazard.
- Set a good example for other employee's by maintaining good housekeeping in your work area.

1. Review of minutes from January 05, 2011 meeting

- URS reported pending any further comments, the final minutes will be sent out by the end of the week.

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1. Open items from previous meeting

System #2 Asbuilt plans/Close out documents

- F&N reported close out documents are ongoing.

System #1 LIPA work investigation

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- NG reported LIPA may begin work progress at Atlantic Avenue.
- NG reported they will investigate LIPA schedule further.
- URS requested NG arrange an onsite health and safety meeting with LIPA to review site specific health and safety requirements while visiting the Intersection Street staging areas.

System# 1 – Delivery Status

- F&N reported contacting Matrix for the estimated date of delivery which will occur on April 6, 2011.

System#1 – LIRR well marking device

- URS reported trench work has begun along the LIRR and all wells have been located and marked.

System#1 Village of Hempstead inspector

- NG reported communicating with the Village of Hempstead with regards to concrete specifications required.
- NG reported the Village of Hempstead specifications in a commercial or industrial zone require concrete sidewalks to have a 5" thickness and 7" thickness in the driveway aprons.
- NG requested URS review specifications in the detailed section of the plans for a concrete thickness typical.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS requested all personnel take extra precaution while visiting the current work area in the LIRR due to limited access and slippery conditions.
- NG requested URS remain diligent on the installation of safety precautions around the proposed work areas.

4. Revisions to construction schedule

- URS and NG requested an updated schedule be submitted by F&N.

5. Progress during previous work period (January 5 – January 12)

- 01/13/2011 – Installation of MP-1-3D. Snow removal from Intersection Street staging yard and Smith Street work areas.
- 01/14/2011 – Begin installation of MP-1-6. Snow removal from proposed work areas in LIRR. Continue development of wells.
- 01/17/2011 – Complete the installation of MP-1-6. Remove steel plates at driveways on Smith Street. Install RCA and compact. Continue development of wells. Begin excavation of loose material over existing tank on Smith Street. Empty drums of spoils from well installations into container at Intersection Street staging yard.
- 01/18/2011 – Installation of MP-1-5. Complete installation of material around tank on Smith Street. Excavate and install electric conduit from existing utility pole to proposed area of System #1. Begin to pressure test injection lines to System #1. Continue to develop wells.

6. Review submittal schedules and expedite approval

- URS reported receiving submittal for payment from F&N and forwarding to parties involved for approval.

7. Pending changes and substitutions

- F&N reported they will submit a change order for the required concrete thickness if applicable.

8. New Business – System #1 Village of Hempstead status

- NG requested F&N send out notifications one to two approximately 1 week prior to O&M visits.
- F&N reported Friday, January 21, 2011 is the next scheduled O&M visit.
- URS requested a steel plate be installed over the existing trench for pedestrian traffic access.
- NG requested URS order electrical hazard signs for System #2 and #1.
- Next meeting is scheduled for **Wednesday, January 26, 2011 @ 12:30 PM.**

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday January 19, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of January 13, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built plans/Close-out Documents – F&N status
  2. System #1 – LIPA Work – NG status
  3. System #1 – System delivery status – April 6, 2011
  4. System #1 – LIRR well marking device, URS status
  5. System #1 – Village of Hempstead inspector – URS/NG status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (January 13 – January 18)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting January 26 @ 12:30pm

Meeting Minutes

Weekly Progress Meeting

Hempstead Intersection Street MGP

Off-Site Groundwater Treatment

Wednesday January 26, 2011, 1:00 PM

Site Trailer, Intersection St., Hempstead, NY

Agenda: Attached

Attendees:

National Grid	Patrick Van Rossem (by telephone)
URS:	Kirk White , Jon Sundquist (by telephone), Megan Dascoli
Fenley & Nicol:	Jason Falquacee, Matt Schieferstein (by telephone)

Safety Topic of Meeting

There was a discussion on cold weather safety such as ice and snow on the ground creating challenging conditions for walking. Pat Van Rossem suggested that personnel could consider the use of slip on traction spikes which may help with stabilizing your footing when walking in and around snow/icy walkways and paths. Pat also suggested wearing the proper footwear with sufficient traction and checking your footing on walkways to and from the work areas.

Kirk White added that cold weather issues are reviewed on a daily basis such as taking the necessary warm breaks as needed. Dressing in layers and having the proper PPE.

Matt Schieferstein introduced the topic of near misses. Some of the items discussed were the following;

- A near miss is considered when a serious accident almost occurs.
- On average, 300 near misses will happen per every accident.
- Housekeeping can be a major preventative step in avoiding near misses.
- Accurate reporting and corrective actions for near miss occurrences are important to help prevent accidents by keeping everyone aware of potential problems.

1. **Review of minutes from January 19, 2011 meeting**

- URS reported pending any further comments, the final minutes will be sent out by the end of the week.

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1. **Open items from previous meeting**

System #2 Asbuilt plans/Close out documents

- F&N reported close out documents are ongoing.

System #1 LIPA work investigation

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- NG reported they will check with LIPA for work schedule.
- F&N reported being hired by LIPA for upcoming work.
- F&N will notify NG for LIPA work schedule near the Hempstead former MGP Site.
- NG inquired if project conflicts are possible due to equipment or other resource availability.
- F&N reported renting the necessary equipment to supply upcoming needs of both LIPA and NG.

System#1 Village of Hempstead inspector

- URS reported that Village specifications require 5" thickness of concrete for sidewalks and 7" thickness of concrete for driveway aprons on Smith Street.
- NG requested URS investigate the Hilton Avenue requirements for concrete thickness for residential areas.

System #1 LIPA Electrical Application

- NG reported having the signed application and will forward to F&N accordingly.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS requested F&N remove all snow, when applicable, from trench areas.
- URS reported wells #51 and 26-S may need to be re--drilled and for F&N to schedule accordingly.
- F&N reported scheduling wells to be re drilled after pressure testing and well development is completed.

4. Revisions to construction schedule

- F&N reported working on a revised construction schedule.

5. Progress during previous work period (January 5 – January 12)

- 01/19/2011 – MP 1-7 was installed. Begin trenching west of System #1. Continue well development. Continue with pressure testing. Monitoring well installation completed.
- 01/20/2011 – Continue trenching along LIRR loading out excavated materials to Intersection Street staging yard for stockpile. Installation of 6" tank sand bedding and compact. Continue well development. Continue with the pressure testing. Load out excess materials (used for well drilling) from Intersection Street staging yard. General cleanup of yard areas.
- 01/21/2011 – Snow removal and general snow clean up.
- 01/24/2011 – Continue excavation at LIRR. Load out excavated material to Intersection Street staging yard to stockpile. Installation of 6" sand bedding and compact. Installation of well fittings.
- 01/25/2011 - Continue excavation at LIRR. Load out excavated material to Intersection Street staging yard to stockpile. Installation of 6" sand bedding and compact. Installation of well fittings. Continue well development.

6. Review submittal schedules and expedite approval

- URS reported receiving submittals for payment from F&N.
- URS requested clarifications of rates billed and will discuss with F&N to come to an agreement.

7. Pending changes and substitutions

- F&N reported a change order will be submitted to NG.
- There was a discussion pertaining to the content of the change order.
- NG requested a schedule from F&N for the proposed concrete work on Smith Street.
- F&N reported due to the cold weather conditions, the concrete work on Smith Street has been postponed.

8. New Business – System #1 Village of Hempstead status

- NG requested an update as to the status of System #2.
- F&N reported the System #2 is currently shut down due to a regulator valve malfunction and is waiting for the replacement regulator valve to be shipped and installed.
- NG requested information on the scheduled date of delivery for System #1 building.
- F&N reported due to the components of System #1 having to be shipped from overseas. (According to Matrix) the delivery date is scheduled for April 6, 2011.

- Next meeting is scheduled for **Wednesday, February 2, 2011 @ 12:30 PM.**

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem

K. White

M. Schieferstein

J. Sundquist

J. Christman

L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday January 26, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of January 19, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built Plans/Close-Out Documents – F&N Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Village of Hempstead Inspector – URS Status
  4. System #1 – LIPA Electrical Application – NG Status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (January 19 – January 25)
- Review submittal schedules and expedite approval
  - Application for Payment – URS Status
- Pending changes and substitutions
- New Business
- Next meeting February 2 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, FEBRUARY 2, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid Patrick Van Rossem,
URS: Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol: Jason Falquacee, Matt Schieferstein

Safety Topic of Meeting

Matt Schieferstein introduced the timely topic of slips, trips, and falls. The following were some of the topics discussed.

- How slips may occur.
- How trips may occur.
- How to prevent falls due to slips and trips.
- What preventative steps can be taken to avoid slips, trips, and falls.
  Pat Van Rossem introduced a discussion on snow banks and what precautions can be taken while driving around snow banks. Pat requested that the morning safety talks include discussion on safety around snow banks.

1. Review of minutes from January 26, 2011 meeting

- URS reported pending any further comments, the final minutes will be sent out by the end of the week.
  .

2. Open items from previous meeting

System No. 2 asbuilt plans

- F&N reported close out documents are ongoing.

System #2 Regulator Status

- F&N reported the regulator is currently being installed and System #2 will be fully functional by the end of the day.
- NG requested URS investigate the option of upgrading the heating system if needed for System #1 so that cold weather problems may be avoided.

System #1 LIPA work investigation

- NG reported LIPA has scheduled work to commence at Intersection Street and LIRR on February 3, 2011. There are three proposed locations which URS will monitor in this area. Upon completion of the three locations, LIPA will resume utility depth finds at Atlantic Avenue and Hilton Avenue.

System#1 Village of Hempstead concrete specification requirements

- NG reported after contacting the Village of Hempstead, it was determined that concrete thickness be 5" for sidewalks and 7" for drive way aprons for the remainder of proposed concrete work.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS raised concerns regarding the snow/ice conditions due to inclement weather.
- URS commended F&N for being diligent with regards to safety on the job site but cautioned F&N that conditions on the site were deteriorating due to inclement weather conditions.
- NG expressed concern due to the working conditions in the field and requested that extra precautionary steps be taken to ensure a safe work environment.
- NG advised F&N that NG will review the safety issues of the jobsite (due to inclement weather) internally.

4. Revisions to construction schedule

- F&N presented an updated version of the project schedule for System #1.
- F&N reported concrete restoration will begin March 7, 2011. (subject to change due to weather conditions)
- F&N reported asphalt work to begin March 21. (subject to change due to weather conditions)

5. Progress during previous work period (January 5 – January 12)

- 01/26 – Continue to excavate trench along the LIRR. Load out excavated materials to Intersection Street stockpile. Backfill trench with 6" sand and compact. Continue to develop wells on the West side of proposed System #1 building.
- 01/27 – Inclement weather conditions-no work scheduled.
- 01/28 – Snow removal at Intersection Street staging yard and Smith Street.
- 01/31 – Snow removal along working pathways and existing trenched areas.
- 02/01 - Continue to excavate trench along the LIRR. Load out excavated materials to Intersection Street stockpile. Backfill trench with 6" sand and compact. Continue to develop wells on the West side of proposed System #1 building.

6. Review submittal schedules and expedite approval

- URS reported schedule #5 has been received and will be approved today.

7. Pending changes and substitutions

- **No comments.**

8. New Business – System #1 Village of Hempstead status

- F&N requested the scheduling for pick up of the 20 yard container be as soon as possible.
- NG reported as soon as the three scheduled pole locations for LIPA are excavated and the materials disposed in the 20 yard container, then the container may be scheduled for pickup.
- URS requested the stockpiled soils excavated for LIPA be removed from the Intersection Street staging area.
- URS reported Northline requested permission to utilize clean stockpiled soils for backfill in the three proposed locations to be excavated.
- NG requested URS notify Northline granting permission with the understanding that only the three proposed locations are to receive the clean stockpiled fill out of the Intersection Street staging yard.
- NG requested the wells 26s and 51 remain on the agenda until said wells have been redrilled and are satisfactory.
- Next meeting is scheduled for **Tuesday, February 8, 2011 @ 11:00 AM.**

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday February 2, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of January 26, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built Plans/Close-Out Documents – F&N Status
  2. System #2 – Regulator Repair – F&N Status
  3. System #1 – LIPA Work – NG Status
  4. System #1 – Village of Hempstead Inspector Hilton Ave Requirements – URS Status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (January 26 – February 1)
- Review submittal schedules and expedite approval
  - Application for Payments – URS Approval Status
- Pending changes and substitutions
- New Business
- Next meeting Wednesday, February 9, 2011 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, FEBRUARY 8, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem,
URS:	Kirk White , Megan Dascoli, Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Kirk White introduced the timely topic of Icicles and hazards associated with them. The following are some of the topics discussed:

- Snow should be cleared off of the roof a few feet back from the eaves with a roof rake to prevent icicles from forming.
- The snow should not be completely removed. A thin layer of snow should be left to protect the shingles from damage.
- Do not try to break up ice dams.
- If icicles hanging from the ice dam become large, it's OK to remove them to reduce the weight on the gutters.
- To prevent ice dams, make sure your attic stays cold.
- Before walking down sidewalks next to buildings, always look to see if icicles may be a hazard.
- The proper PPE can help prevent injuries in the work place due to icicles falling.

1. Review of minutes from January 26, 2011 meeting

- URS reported pending any further comments, the final minutes will be sent out by the end of the week.

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2. Open items from previous meeting

System No. 2 asbuilt plans

- F&N reported close out documents are ongoing.

System #1 LIPA work schedule

- NG reported LIPA has completed work near the Intersection Street staging yard.
- F&N reported the LIPA soft digging (guzzler work) on Atlantic Avenue is ongoing.

System#1 Replacement of wells OW-1-26S and OW – 1-51

- F&N reported that work is ongoing and pressure testing is to begin for the oxygen injection lines in the LIRR ROW.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- NG reported the safety audit which was performed went well.
- NG requested that F&N remain diligent about applying ice melt in the depressed areas along the LIRR where ice may accumulate.
- NG requested that F&N expedite the acquisition of the appropriate ladders for access and egress while working in the trenches.
- NG requested URS investigate upgrading the heating system for System #1.
- NG requested F&N give at a minimum, one weeks' notice of upcoming O&M for System #2.
- URS requested F&N cover the stockpiles at Intersection Street staging yard more securely.

4. Revisions to construction schedule

- URS requested F&N forward the revised construction schedule via email to the respected parties involved.

5. Progress during previous work period (February 2 – February 7)

- 02/02 – Clear snow and ice from trench areas and pathways. Clear snow and ice from Atlantic Avenue sidewalk and shoulder areas.

- 02/03 – Continue excavation of the proposed trench along the LIRR. Load out excavated materials to stockpiles at the Intersection Street staging areas. Continue developing wells along the LIRR.
- 02/04 – Complete excavation of the trench up to the temporary gate along the LIRR. Load out excavated materials to stockpiles at the Intersection Street staging areas. Install PVC pipe connections to wells. Continue developing wells. Begin installation of 6" tank sand bedding.

- 02/07 – Begin the installation of oxygen injection lines to the wells along the LIRR. Continue developing wells.

6. Review submittal schedules and expedite approval

- F&N reported the submittals are up to date.

7. Pending changes and substitutions

- **No comments.**

8. New Business

- F&N reported the following work schedule:
  Dan Bronquell will be leaving work early on February 9, 2011 and will be off work February 10, 2011.
  Mike Ryan will be leaving work early on February 16, 2011 and may take work off on February 17,2011.
  Ron Traube will be on vacation beginning February 21, 2011 and returning the following week.
- NG requested F&N investigate the existing volume of material inside the 20 yard container and discuss whether to schedule a pick up or not for the container.

- Next meeting is scheduled for Wednes**day, February 16, 2011 @ 12:30 PM.**

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Tuesday February 8, 2011, 11:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of February 2, 2011 Meeting
    - Final Approval January 26, 2001 Meeting Minutes
- Open items from previous meeting
    1. System #2 – As-built Plans/Close-Out Documents – F&N Status
    2. System #1 – LIPA Work – NG Status
    3. System #1 – Replacement of wells OW-1-26S and OW-1-51
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (February 2 – February 7)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting Wednesday, February 16, 2011 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, FEBRUARY 16, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman (arrived at end of meeting)
URS:	Megan Dascoli, Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein, Jason Falquecee
Those listed below attended the LIPA work status portion of the meeting only:	
LIPA:	Edward (Pat) Hodder, Bill Softye
North Line Utilities:	Lyle Olson, Tom Rogers

Safety Topic of Meeting

Jason Falquecee presented a description of the near miss incident that occurred on Monday, February 14, 2011. In brief, a F&N worker stepped onto the edge of a 10" wide, 2' deep hole located just outside the fenced-in work area during backfilling operations along the LIRR ROW behind the Atrium apartments. The worker lost his balance but did not fall and did not injure himself. Upon investigation, a second hole was found, both dug by the LIPA contractor North Line Utilities on Friday and Saturday, February 11-12. The North Line foreman was called over, he looked at the holes and immediately filled them in with soil and put cones over them.

The day after this incident, F&N and URS put into practice site surveillance walks before work starts for the day, or when work moves to a new area, to look for possible hazards. These walks will be especially important if working in the same areas as North Line, but are also considered good practice because of other unknown actors possible in the public areas around the work zone.

1. Review of minutes from February 8, 2011 meeting

- No comments, waiting finalized version.
- Awaiting finalized version of 2/2/11 minutes.

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2. Open items from previous meeting

i. System No. 2 As Built Plans

- F&N reported close out documents are ongoing, certifications needed for destruction of soil, surveyor certification, etc.

ii. System #1 LIPA Work Schedule

- LIPA/ North Line indicated that they have the necessary road closure permits and will be trenching from south to north, starting at the south side of Hilton Avenue, through the triangle then across Atlantic Avenue. Trenching will start on Monday, 2/21/11. The trench will be approximately 122" bgs and will be plated with non-skid tape on walking surface. North Line estimates this crossing will take two weeks.
- The LIPA trench will run from Atlantic Avenue in the LIRR ROW behind the Atrium 200 apartments about one foot east of the F&N orange construction fence already in place.
- LIPA's Bill Softye said that he put fliers in the doors of the Atrium 200 apartments that border the LIRR ROW to inform them of the work, apologize for the noise, and inform them LIPA will be replacing damaged foliage.
- LIPA's Bill Softye (cell # 516-779-4361) requests that URS call him (or his replacement) directly with any problems that are noted with North Line or their work area.
- Bill Softye will be on vacation from 2/21 to 2/25/11 and will be replaced by Edward "Pat" Hodder (cell # 516-903-9228).
- Pat Van Rossem gave Bill Softye the business card for Charlie Torsiello, the manager of the GC Border Apartments (65 Atlantic Ave.), who reported his parking lot retaining wall, bordering the LIRR ROW, damaged after North Line worked in the area.
- LIPA trench will cross the System #1 trench at the north side of Atlantic Avenue. F&N questioned whether LIPA compaction requirements were the same or better than System #1 requirements. Bill Softye said he would check LIPA requirements.
- LIPA requests North Line to maintain a construction fence on both sides of the LIPA trench in the LIRR ROW behind the Atrium 200 apartments for security and to define their work area. One side of the fence can be the F&N construction fence already in place.
- NG brings up the near miss incident to LIPA and North Line. North Line says that the holes were filled in on Saturday and had sunk by Monday. Pat Van Rossem requests steel plates over the holes in the F&N work area.

iii. System#1 Replacement of wells OW-1-26S and OW-1-51

- F&N reported pressure testing is completed for the oxygen injection lines in the LIRR ROW up to OW-1-10 cluster. So far, the wells with problems either with development or pressure testing or both are OW-1-16S, OW-1-26S, OW-1-32D, and OW-1-51. The remaining wells along Atlantic and Hilton have not been pressure tested yet. Any plan for drilling replacement wells will wait until all oxygen wells have been pressure tested.

iv. System #1 Shed Heating Requirements- URS

- Jon Sundquist reads suggestions from Matrix email, many elements of which Mike Ryan, F&N, followed in his modifications, including: directing blower exhaust back into shed and closing louvers.
- Matt Shieferstein said that these air vent changes will be part of the regular O&M procedures for spring and autumn (approximately March and November).
- Pat Van Rossem requested that formal amendments be made to the O&M manual and submitted. Matt agreed.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- LIPA trenching near and through System #1 trench area is mentioned, but was previously discussed in Section 2. ii. Above.
- Pedestrian routing for when F&N begins trenching along Atlantic Avenue and Hilton Avenue is discussed. A site walk was made prior to the meeting that reviewed several temporary sidewalk routing options. Another site walk will be conducted after the meeting with James Christman. The preferred route of sending the pedestrians through the Atrium 200 side yard at the intersection of Atlantic and Hilton is subject to the Atrium 200 property owner approval. Another viable plan is still sought. Discussion will be on going.

4. Revisions to construction schedule

- F&N is currently one day behind based on the schedule they provided at the xyz date weekly meeting.

5. Progress during previous work period (February 8 – February 15)

- Tuesday, 02/08 – Pull oxygen lines and install fittings on oxygen wells in trench along LIRR ROW from OW-1-25 to OW-1-10. Grade down part of hill in the LIRR ROW at the end of Wendell St. for system shed. Continue developing wells.
- Wednesday, 02/09 – Perform O&M on System #2. System #1-Backfill and tamp trench with tank sand in one foot lift above oxygen lines from OW-1-17 to OW-1-10 in LIRR ROW. Compaction test performed by Soil Mechanics, trench bedding passes 85% compaction criteria. Continue developing wells.
- Thursday, 02/10 – Backfill and tamp trench with tank sand in one foot lift above oxygen lines from OW-1-17 to OW-1-23 in LIRR ROW. Pressure testing wells in LIRR ROW. Continue developing wells. Delivery of tank sand received.
- Friday, 02/11 – Install tracer wire, marking tape and marker balls in LIRR ROW trench from OW-1-25 to OW-1-10. Backfill and tamp trench from OW-1-10 to OW-1-16 with previously

excavated material. Continue developing and pressure testing wells. LIPA's contractor North Line working just east of Atrium 200 Apartments? near OW-1-17 with cranes installing pole.

- Monday, 02/14 – Backfill and tamp trench from OW-1-16 to OW-1-17 with previously excavated material. Compaction test performed by Soil Mechanics on trench bedding from OW-1-17 to OW-1-25, passes 85% compaction criteria. Continue developing and pressure testing wells. Near miss incident occurs (as described above in Safety topic section), no one injured.
- Tuesday, 02/15 – Backfill and tamp trench from OW-1-17 to OW-1-24 with previously excavated material. F&N electrical team at System #1 shed location to build panel and run electric from panel up nearest LIPA pole. Continue developing wells. Pressure testing of wells finished. Fuel and 55-gallon steel drum delivery.

6. Review submittal schedules and expedite approval

- F&N reported that submittals are up to date.
- URS and NG will finish review and complete approval for F&N submitted Change Order #3 for System #1.

7. Pending changes and substitutions

- No comments.

8. New Business

- F&N reports that the 20 yard soil roll-off container is scheduled for pick up on 2/23/11 at 1 pm. Pat Van Rossem or Kirk White can sign Non-Hazardous Waste manifest if Pat is unavailable.
- NG will confirm Veolia pick up of drums containing recovered MGP product is on 2/23/11. Pat Van Rossem can sign or Veolia driver can self sign Hazardous Waste manifest if Pat is unavailable.
- NG will call and schedule LIPA electrical connection for System #1 shed power at LIPA pole.

Next meeting is scheduled for **Wednesday, February 23, 2011 @ 12:30 PM.**

Prepared and Distributed by:

Megan Dascoli, URS

cc: P. Van Rossem
K. White

M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Tuesday February 16, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of February 8, 2011 Meeting
    - Final Approval February 2, 2011 Meeting Minutes
- Open items from previous meeting
    1. System #2 – As-built Plans/Close-Out Documents – F&N Status
    2. System #1 – LIPA Work – NG Status
    3. System #1 – Replacement of wells OW-1-26S and OW-1-51
    4. System #1 – Shed Heating Requirements – URS Status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (February 8 – February 15)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
    - System #1 – Soil Roll-Off Pickup Scheduled 2-23-11
- Next meeting Wednesday, February 23, 2011 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, FEBRUARY 23, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid Patrick Van Rossem, James Christman
URS: Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol: Jason Falquacee

Safety Topic of Meeting

Kirk White introduced the topic of Working Smart by Employing Ergonomics. The following are some of the topics discussed:
In the office;

- Keep your monitor directly in front of you, and place it 18"-28" away from your eyes.
- Be sure to adjust the height of your chair in order to ensure that your keyboard and work surface is elbow high.
- Look away from your computer screen every 20 minutes throughout the day to give your eyes a rest.
- Use task lighting to ensure proper lighting of your paperwork, and reduce glare on your monitor by adjusting window shades.
- Sit back in your chair and keep your head and neck erect.
- Your work station should have enough clearance to allow you to move your knees and ligs freely under your desk or keyboard support when sitting. In addition, your feet should be firmly planted on the floor.
- If you sit all day take breaks to move about and stretch. During your lunch hour, walk around the block or climb several flights of stairs.

In the field;

- Store heavy materials close to where they will be used and where they can be easily accessed to minimize the distance your need to carry them.
- Raise your work off the ground in order to limit kneeling, squatting and contact stress. This will help maintain the health of your knees.
- To pick up an object lower than waist level, keep your back straight and bend at your knees and hips. Keep the load as close to your body as possible.

- When carrying materials, ensure the load is balanced, use a proper grip and have a clear path.
- Push, rather than pull a load, since pushing is easier on your back. If you have no choice but to pull, avoid twisting your lower back. Rather than twisting, pivot- move your shoulders, hips and feet with the load in front of you.
- Whenever possible, use tools with handle extensions to help you stand up straight.

1. Review of minutes from January 26, 2011 meeting

- URS reported the draft of 2-16-2011 will be sent out by end of week.
- URS reported the final minutes of 2-8-2011 have been sent.

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2. Open items from previous meeting

System No. 2 asbuilt plans

- F&N reported close out documents are ongoing.

System #1 LIPA work schedule

- NG reported LIPA has scheduled work to begin from LIRR ROW cross Hilton Avenue, cross over Atlantic Avenue and back to LIRR ROW. Although this work has been scheduled, no work has been observed to date.
- NG reported if work is not observed by 2-24-2011, they will contact LIPA for an updated schedule.

System#1 Replacement of wells OW-1-26S and OW – 1-51

- F&N reported wells 16-S and 32-D will be added to the list of wells which may be redrilled.
- F&N reported well 16-S will attempt to redevelop and pressure test again.

System #1 Soil Roll- Off pickup rescheduled 3-3-2011

- F&N reported Clean Earth has rescheduled pick up for the roll off container to March 3, 2011.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- NG reported observing two holes, which may or may not have been for borrow fill, along the LIRR ROW behind the medical building.
- NG requested F&N investigate the holes and report whether the holes where from F&N's work. If not, then NG will contact LIPA to request the holes be filled in accordingly.
- F&N requested the M/H covers in Hilton Avenue be recessed to avoid any future damage which could occur from heavy traffic or snow plows.
- NG requested F&N install marker balls next to the wells to be recessed under asphalt.
- URS suggested marking the top of asphalt for the proposed recessed wells with P.K. nails embedded in the asphalt.
- URS will investigate the proposed depth which the recessed wells will be installed.
- There was a general discussion on the pedestrian traffic along Atlantic Avenue and Hilton Avenue.
- URS reported further investigation in the field is necessary for pedestrian traffic direction.

4. Revisions to construction schedule

- URS requested F&N begin scheduling soil stockpile removal from Intersection Street staging area.

5. Progress during previous work period (February 16 – February 22)

02-16-2011

Loaded steel road plates from the driveway areas on Smith Street and transported them back to the Intersection Street staging yard. Transported RCA and backfilled two (2) driveway areas to provide access. Removed loads of mud and soil from the dead-end area of Wendell Street and transported back to the Intersection Street staging yard for stockpiling. Began to build the grade up on top of the hill where the Oxygen Injection System #1 shed will be located, within the LIRR right of way. Developed three (3) injection wells (OW-1-3, OW-1-4, OW-1-5D). Secured snow fence and barricades throughout the work area for safety.

02-17-2011

Removed loads of mud and soil from the dead-end area of Wendell Street and transported back to the Intersection Street staging yard for stockpiling. Continued to build the grade up on top of the hill where the Oxygen Injection System shed will be located, within the LIRR right of way. Assisted surveyors who shot the injection well locations located within the LIRR right of way. Developed three (3) injection wells (OW-1-38S, OW-1-38D, OW-1-42S). Secured snow fence and barricades throughout the work area for safety.

02-18-2011

Transported concrete to the work site. Set up mixer at the LIRR right of way by Atlantic Avenue and mixed the concrete. Dug up all the manholes located within the LIRR right of way by hand. Repaired the ball valve on OW-1-17S Set all of the manholes within the LIRR right of way in concrete and allowed time to dry. Cleaned up stockpiles in the Intersection Street staging yard, and secured with poly. Developed two (2) injection wells (OW-1-34S, OW-1-34D). Secured snow fence and barricades throughout the work area for safety.

02-22-2011

Utilized backhoe and began trenching within the LIRR right of way along Atlantic Avenue approximately 36 inches. We transported the excavated material back to the Intersection Street staging yard for stockpiling.
The contractor encountered underground sprinkler lines, cut and tied back (to be restored during restoration phase).
Hand cleared around injection wells. We connected ball valves and tees to the injection wells. Transported and bedded 6 inches of tank sand within the trench located along Atlantic Avenue. We tamped the tank sand for compaction. Developed two (2) injection wells (OW-1-33S, OW-1-41D). Secured snow fence and barricades at the end of the days work throughout the work area for safety.

6. Review submittal schedules and expedite approval

- NG requested F&N resend Change Order #3 via email and NG will review and approve.

7. Pending changes and substitutions

- **No comments.**

8. New Business

- F&N requested pick up for development water be scheduled when all wells have been developed for the proposed System #1.
- NG requested F&N schedule pick up of development water on March 9, 2011.
- NG requested F&N utilize the HDPE 6" diameter pipe as sleeves for the installation of the oxygen injection lines leading to the proposed wells on Hilton Avenue.
- NG requested next week's meeting be held on Thursday, March 3, 2011 @ 12:00 PM.
- NG reported the meetings will resume the regularly scheduled dates and times following the meeting of 3-3-2011.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday February 23, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of February 16, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built Plans/Close-Out Documents – F&N Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Replacement of wells OW-1-26S and OW-1-51
  4. System #1 – Soil Roll-Off Pickup Rescheduled 3-3-11
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (February 16 – February 22)
- Review submittal schedules and expedite approval
  - Change Order #3 Approval – URS/NG Status
- Pending changes and substitutions
- New Business
- Next meeting Thursday, March 3, 2011 @ 12:00pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, MARCH 3, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman (by telephone)
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein, Jason Falquacee

Safety Topic of Meeting

Matt Schieferstein introduced the topics of Outrigger safety and Diesel Exhaust safety. The following are some of the topics discussed:

Outrigger Safety

- Before operating any boom, it is essential to extend the outriggers. However, there needs to be great focus on the placement of the outrigger. Always check the stability of the ground before placing the outrigger down. Have a clear line of site to where the pad placement will be; this will ensure that no obstacles will enter the placement area without the operator knowing it. Failure to do so could cause serious crushing hazards and injury.

Diesel Exhaust Safety

- Over one million workers are exposed to diesel exhaust annually and face the risk of adverse health effects. These effects can include headaches, nausea, respiratory disease, and possibly cancer. Potentially affected workers can include but are not limited to: loading dock workers, truck drivers, material handling machine operators, garage workers, and other workers.
- Diesel exhaust is an airborne contaminant in workplaces where diesel powered equipment is used.
- To protect your health you should avoid exposure where possible.
- Make full use of any exhaust controls provided. Know how to use the controls.
- Report any faults in the controls to your employer, such as poor extraction fans.
- Keep doors and windows open to remove as many diesel fumes where possible.
- Turn off engines when not required.
- Know how to correctly wear any personal protective equipment your employer provides.

1. Review of minutes from February 23, 2011 meeting

- URS reported the final minutes of 02-16-2011 have been sent.
- URS reported the final minutes of 2-23-2011 have been sent.

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2. Open items from previous meeting

System No. 2 asbuilt plans

- F&N reported close out documents are ongoing.

System #1 LIPA work schedule

- URS reported the trenching for LIPA, on the west side of Hilton Avenue, was started on March 2, 2011.
- URS reported the backfill work for System #1 will be completed by end of work day, March 4, 2011.
- NG requested URS monitor the LIPA trench work progress, particularly when the LIPA work will be near any O2 System tubing, wells and/or work areas, etc.

System#1 Replacement of wells OW-1-26S and OW – 1-51, OW-1-16S, 0W-1-32D

- F&N reported ordering the materials for the replacement wells.
- URS reported all wells listed on the agenda are to be redrilled and replaced.
- NG requested F&N contact Glacier to set up schedule for drilling the replacement wells.

System #1 Soil Roll- Off pickup rescheduled 3-3-2011

- F&N reported Clean Earth has picked up the 20 yard container from Intersection Street staging yard.
- F&N confirmed with Clean Earth that the materials will be thermally treated at the approved destination.
- NG requested F&N submit a certificate of destruction of soil documentation to URS for all soils transported off-site to date for thermal treatment.

System #1 LIRR ROW holes behind the medical building

- F&N reported the holes on the LIRR ROW near the warehouse bldg. were not created by F&N.
- NG reported they will contact LIPA to request backfilling the holes.

System #1 Manholes in Smith Street &Hilton Avenue

- There was some discussion as to the depth the manholes should be set at.
- NG requested URS investigate the depths best suited for the proposed installation of manholes which are to be installed in Smith Street and Hilton Avenue.
- NG requested URS investigate the aforementioned as soon as possible.

System #1 Stockpile removal

- F&N reported the Intersection Street stockpile will remain until all individual tasks are completed.

System #1 Decon/Development Water Disposal

- F&N reported the Intersection Street stockpile will remain until all individual tasks are completed.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS reported F&N did an excellent job excavating around the known electric lines at the corner of Atlantic Avenue and Hilton Avenue.
- URS reported discovery of an unmarked line which appears to be a communications line running parallel to the inside of the curb line along Hilton Avenue.
- F&N proposed contacting One Call to locate the discovered line for future reference.

4. Revisions to construction schedule

- F&N reported the concrete schedule will be delayed until the week of March 21st due to unfavorable weather conditions. However, this schedule could potentially be accelerated if the weather conditions are more favorable.
- NG requested F&N schedule a tentative date for beginning work on concrete at Smith Street.
- NG requested F&N schedule for electric work prior to System #1 delivery.
- F&N set a tentative date of March 21, 2011 for concrete work subject to weather conditions.
- F&N reported they will contact LIPA to find out the status of the electrical connection prior to System #1 delivery.

5. Progress during previous work period (February 16 – February 22)

2-23-2011 utilized backhoe to and continued trenching along Atlantic Avenue approximately 36 inches bgs. Transported excavated material back to the Intersection Street staging yard for stockpiling. Encountered underground sprinkler lines, cut and tied back (to be restored during restoration phase). Hand cleared around injection wells.

Connected ball valves and tees to the injection wells. Transported and bedded 6 inches of tank sand within the
trench located along Atlantic Avenue. Tamped the tank sand for compaction. Transported and installed five (5)
steel road plates to allow driveway access, and pedestrian walkway. Secured snow fence and barricades throughout the work area for safety.

2-24-2011 Transported the remaining steel road plates to the work area. Installed tracer wire and caution tape
approximately 24 inches bgs within the trench located along Atlantic Avenue. Backfilled the trench located in front of the temporary access gate with tank sand and tamped all areas. Backfilled the trench located in front
of the temporary access gate with common fill to grade, and tamped all areas. Installed two (2) 3M Dynatel
EMS RFID Marker balls at various locations (in between injection well cluster OW-1-8 and approximately 15 feet
to the east of OW-1-8 - at the turn of the trench). Set six (6) manholes in place along Atlantic Avenue. Secured
snow fence and barricades throughout the work area for safety.

2-25-2011 Did not work due to heavy rain as a safety precaution. Performed a site walkthrough and secured snow fence
and barricades throughout the work area for safety.
2-28-2011 Did not work due to heavy rain as a safety precaution. Performed a site walkthrough and secured snow fence
and barricades throughout the work area for safety.

3-1-2011 Mobilized the backhoe to work area located at the intersection of Atlantic Avenue and Hilton Avenue. Broke up
and removed the concrete sidewalk and excavated the proposed trench within the work area. Hand cleared the
trench approximately 36 inches bgs by hand around existing utilities. Transported excavated material back to
the Intersection Street staging yard for stockpiling. 40.25 tons of tank sand delivered to the Intersection Street
staging yard. Secured snow fence and barricades throughout the work area for safety.

3-2-2011 Mobilized the backhoe to work area located at the intersection of Atlantic Avenue and Hilton Avenue. Continued
to excavate the proposed trench approximately 36 inches bgs and 18 inches wide. Hand cleared the trench

approximately 36 inches bgs by hand around existing utilities. Transported a load of tank sand to the work site,
and bedded the trench. Installed HDPE Oxygen Injection lines to the injection wells located on Atlantic Avenue,
within the trench. Installed tees and fittings to the injection wells as needed along Atlantic Avenue. Transported
excavated material to the LIRR right of way and backfilled the previously installed manholes. Redeveloped OW-
1-16S, and it was determined to be defective and must be reinstalled. Developed three (3) Monitoring Wells
(MP-8, MP-4S, MP-4D). Secured snow fence and barricades throughout the work area for safety.

6. Review submittal schedules and expedite approval

- NG requested F&N resend Change Order #3 via email and NG will review and approve.

7. Pending changes and substitutions

- URS requested F&N install the available 6" diameter HDPE pipe to sleeve the oxygen injection lines proposed for Hilton Avenue.

8. New Business

- URS requested notification upon weather related work stoppages as much in advance as possible.
- The next scheduled meeting will be held on Wednesday, March 9, 2011 @ 12:30 PM.

  *After the meeting concluded it was suggested to add a discussion on the concrete to be replaced to the Open Items list on the agenda.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein

J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Thursday March 3, 2011, 12:00 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of February 23, 2011 Meeting
    - Final Minutes of February 16, 2001 Meeting
- Open items from previous meeting
    1. System #2 – As-built Plans/Close-Out Documents – F&N Status
    2. System #1 – LIPA Work – NG Status
    3. System #1 – Replacement of wells OW-1-16S, OW-1-32D, OW-1-26S and OW-1-51 – F&N Status
    4. System #1 – Soil Roll-Off Pickup 3-3-11
    5. System #1 – LIRR ROW holes behind medical building – F&N Status
    6. System #1 – Manholes in Smith Street & Hilton Avenue – NG/URS Status
    7. System #1 – Soil Stockpile Removal – F&N Status
    8. System #1 – Decon/Development Water Disposal – F&N Status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (February 23 – March 2)
- Review submittal schedules and expedite approval
    - Change Order #3 Approval – URS/NG Status
- Pending changes and substitutions
- New Business
- Next meeting Wednesday, March 9, 2011 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, MARCH 9, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Kirk White, Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein, Jason Falquacee

Safety Topic of Meeting

Kirk White introduced the topic of Cyber Security. The following are some of the topics discussed:
2011 Cyber Security Forecast

- Cyber criminals have new motivations for computer hacking, including opportunities for financial gain, competitive intelligence, and advancement of political aspirations. The rapid introduction of new technologies is expected to present new attack vectors for sophisticated cyber criminals. While it is not possible to predict the future with certainty, many security experts believe the ten technologies will be targeted by cyber criminals. Some of the technologies and possible threats which were discussed are the following;
- Advanced persistent threats such as the Aurora and Suxnet attacks of 2010, have given birth to the new category of advanced and persistent threats (APT) a targeted cyberespionage or cybersabotage attack carried out under the sponsorship or direction of a nation state for something other than pure financial gain.
- Mobile – With the widespread adoption of mobile devices in business environments, combined with historically fragile cellular infrastructure and slow strides toward encryption, some experts predict that 2011 will bring a rapid increase of attacks and threats to mobile devices, putting user and corporate data at very high risk.
- URL shortening devices- The use of abbreviated URLs on sites like Twitter and Facebook, makes it easy for criminals to mask and direct users to malicious Web sites.
- Geo location services – These services can easily search, track and plot the whereabouts of friends and strangers, making it easier for cybercriminals to monitor and target their victims.
- Applications – We live in an application-eccentric world. The drawback to that world lies in the portability of our apps among mobile devices and the coning Internet TV platforms,

which when combined, will make threats from vulnerable and malicious apps a major concern for 2011. In addition to malicious code, expect to see apps that target or expose privacy and identity data.

1. Review of minutes from January 26, 2011 meeting

- URS reported the final minutes for 3-3-2011 will be sent out by the end of the week.

2. Open items from previous meeting

System No. 2 asbuilt plans

- F&N reported close out documents are ongoing.

System #1 LIPA work schedule

- NG reported contacting LIPA in regards to filling in holes along the LIRR behind the tire warehouse building.
- NG reported LIPA will be removing the pole butts in the near term after the LIRR transfers its cable to the new poles.
- F&N requested a schedule for completion of the trench work to be performed in the LIRR work area.
- NG reported they will request a schedule from LIPA.
- URS reported there was some debris left on the ground by the containers which LIPA has been using.
- NG contacted LIPA and requested they clean up the miscellaneous debris.
- URS reported the gate behind the car dealership is open and appears damaged.
- NG requested URS secure the gate.

System#1 Replacement of wells OW-1-26S and OW – 1-51, OW-1-16S, 0W-1-32D

- F&N reported the wells are scheduled to be replaced on March 17, 2011.
- NG requested URS investigate proposed locations and depths for two additional monitoring wells and report.
- NG requested a discussion on the installation of the proposed additional monitoring wells and the possibility of F&N performing the installation.

System #1 Manholes in Smith Street &Hilton Avenue

- URS reported the manhole #1 in Hilton Avenue is to be set so the top of the manhole is below the bottom of the asphalt.
- URS reported the manhole #2 in the shoulder of Hilton Avenue as well as the manholes in Wendell and Smith Street are to be recessed in the asphalt so they remain accessible but not susceptible to damage from future snow removal procedures.

System #1 Concrete Restoration

- F&N reported the preparation to restore the concrete along Smith Street will begin March 21, 2011. Subject to temperature, the restoration of the concrete will follow.
- NG requested the saw cut line along Smith Street in front of the vacant store at the corner of Smith and Wendell be filled in as soon as possible so a determination can be made as to whether or not the concrete will be removed and restored.
- F&N agreed to fill in the saw cut next work week.
- F&N reported they are still working on the estimate for the concrete restoration.
- Concrete repair discussion is ongoing. Items still under discussion are as follows;
  I. Concrete saw cut in front of the Auto Body shop.
  II. Concrete saw cut in front of bldg. at corner of Smith and Wendell.
  III. Broken concrete flags between Auto Body shop and corner bldg. ref. above in II.

System #1 Electric Service Connection

- F&N inquired as to the payment status for LIPA connection fees.
- NG reported the payment was provided and LIPA indicated to NG they are ready to proceed.
- NG requested F&N's electrical contractor contact LIPA for the service connection if the work is not performed by the end of the next work week.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- NG requested the safety fence along Smith Street be re-secured properly.
- NG requested the string line at the proposed location of System #1 be taken down for safety.
- NG also requested that the numbered O2 lines stubbed up by System #1 be protected from vandals, and for safety.

4. Revisions to construction schedule

No comments.

5. Progress during previous work period (March 3, - March 8)

3-3-2011 Mobilized the backhoe to work area located at Hilton Avenue. Excavated the trench located within the sidewalk Avenue. Transported excavated material to the Intersection Street staging yard for stockpiling. Transported a load of tank s work area and bedded the trench with approximately 6" of tank sand. Tamped all areas of the trench and installed the HDP Injection lines to the previously installed injection wells. Backfilled approximately 12 inches of tank sand within the trench a compacted. Installed tracer wire and tape within the trench. All areas of the trench was backfilled to grade with RCA and ta allow a safe walkway to pedestrians. Compaction tests were performed throughout the day. Secured snow fence and barri throughout the work area for safety.

3-4-2011 Removed soil around 12 inch manholes located within the sidewalk along Atlantic Avenue. Poured and set the concrete. Transported a load of common fill to the work area, and backfilled the exposed manholes to grade with common all areas and raked clean of any debris. Developed three (3) monitoring points (MP-1-2S, MP-1-2D, MP-1-1S). Secured sn barricades throughout the work area for safety.

3-7-2011Transported signs and barricades to work area. Set up the signage and cones along Hilton Avenue. Saw cut th trench along Hilton Avenue. Utilized the dump truck to bring load of common fill the dead end of Wendell Street. Filled in m common fill, and graded the hill where the Oxygen System Shed will be located. Removed old sections of chain link fence posts on top of the hill at the end of Wendell Street. Transported debris back to the Intersection Street staging yard for disp Secured snow fence and barricades throughout the work area for safety.

3-8-2011Transported and set up traffic cones along Hilton Avenue to allow two-way traffic in a safe manner. Flagmen as between the cones throughout the day. Mobilized backhoe to work site and excavated the trench within Hilton Avenue appr inches bgs and 18 inches wide. Cleared around existing injection wells by hand. Backfilled the trench with 6 inches of tank compacted. Installed 6 inch HDPE sleeve under the concrete curb to protect the Oxygen Injection lines. Installed the HDPE Injection lines to the existing injection wells located in Hilton Avenue. Backfilled the trench with tank sand in 12 inch lift. Tar areas for compaction. Installed tracer wire and tape along the trench located in Hilton Avenue. Backfilled the rest of the tre with RCA and tamped. Installed three (3) 3M Dynatel Marker balls at various locations (OW-1-1D, OW-1-3S, OW-1-4D). C trench with steel road plates. Compaction test was performed throughout the trench. Secured snow fence and barricades t the work area for safety.

6. Review submittal schedules and expedite approval

- F&N reported submitting applications #9 and #10.
- URS reported the applications are under review.

7. Pending changes and substitutions

No comments.

8. New Business

- F&N reported there will be no work scheduled on Thursday, March 10, 2011, due to possible inclement weather conditions.
- F&N reported work will resume Friday, March 11, 2011.
- F&N reported Friday, March 11, 2011, will be Jason Falquacee's last day on the site.
- F&N reported as of Monday, March 14, 2011, the work force on site will be scaled back to conform to the work scheduled.
- NG requested URS report if scaling back the work force was appropriate to the work schedule.
- URS reported they will monitor the work schedule and advise accordingly.
- The next weekly meeting is scheduled for Wednesday, March 16, 2011, at which time there will be a discussion for the next meeting date.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda – Revision #1
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday March 9, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of March 3, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built Plans/Close-Out Documents – F&N Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Replacement of wells OW-1-16S, OW-1-32D, OW-1-26S and OW-1-51 – F&N Status (Scheduled 3-17-11)
  4. System #1 – Manholes in Smith Street & Hilton Avenue – NG/URS Status
  5. System #1 – Concrete Restoration
  6. System #1 – Electric Service Connection – F&N Status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (March 3 – March 8)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting Wednesday, March 16, 2011 @ 12:30pm

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, MARCH 16, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein, Jason Falquacee

Safety Topic of Meeting

Jon Sundquist introduced the timely topic of reporting near misses. The following items on this topic were discussed.

- Regular reporting of near misses could identify unwanted or unsafe work practices.
- Reporting near misses could be very useful in avoiding accidents and injuries.
- The three controls for safety are: **Engineering controls, Administrative controls,** and **Personal Protections.**

1. Review of minutes from January 26, 2011 meeting

- URS reported the final minutes for 3-09-2011 will be sent out by the end of the week.

2. Open items from previous meeting

System No. 2 asbuilt plans

- F&N reported close out documents are ongoing.

System #1 LIPA work schedule

- URS reported speaking with the field contractor for LIPA; the soft dig work will be crossing the sidewalk on Atlantic Avenue no sooner than three weeks time. At that time a hard dig will commence for excavation for the installation of the underground electric.
- NG reported they will request LIPA look into the possibility of installing the underground electric conduit from Atlantic Avenue North to the end of the underground electric installation prior to the completion of the soft dig so that restoration activities in the LIRR can begin.

System#1 Replacement of wells OW-1-26S and OW – 1-51, OW-1-16S, 0W-1-32D

- F&N reported well OW-1-32D will not have to be redrilled. After pressure testing the well, it was determined that the well is functioning properly.
- URS requested time to research the air pressure and well development data on OW-1-32D.
- F&N reported the other three wells in question are scheduled to be drilled on March 17, 2011.

System #1 Concrete Restoration

- URS recommended that due to the condition of the concrete sidewalk along the end of Smith Street, it should be replaced.
- NG and F&N agreed to replace the sidewalk in front of the building at the end of Smith Street on the North side.
- NG reported dissatisfaction with the saw cut in front of Kobi Auto Body Shop.
- F&N reported they will saw cut the entire length in front of Kobi Auto Body Shop so it is a straight and uniform line.
- F&N requested the Village of Hempstead be notified for the inspection of concrete work.

System #1 Electric Service Connection

- F&N reported the connection for the electric service will be checked on March 17, 2011. If no connection has been performed then F&N will contact LIPA to schedule the connection.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- NG requested the safety fence along Smith Street be secured properly.
- NG requested all safety fence is to remain until work has been completed.

4. Revisions to construction schedule

- F&N reported the concrete preparation on Smith Street is scheduled to begin on March 21, 2011 and will take approximately three days time.

- F&N reported the sidewalk concrete on Smith Street will begin immediately following the preparation work.
- F&N reported they are in the process of scheduling meetings with the crane company and the asphalt contractor for upcoming work.

5. Progress during previous work period (March 3, - March 8)

3-09-2011 Transported safety cones and signs to Hilton Avenue and set up two-way traffic. Dug out around injection wells along Atlantic Avenue and Hilton Avenue to install 12" manholes. Mixed and poured concrete to set manholes in place. Transported common fill to the work site and backfilled the grass area along Hilton Avenue to grade. Tamped all areas for compaction. Transported steel road plates to Hilton Avenue and covered the open trench and injection wells. Sealed the edges with cold patch. Developed two (2) injection wells (OW-1-1, OW-1-2). Secured snow fence and barricades throughout the work area for safety.

3-10-2011 No work scheduled due to inclement weather conditions.

3-11-2011 Transported three loads of common fill to the dead-end of Wendell Street. Backfilled low areas of the hill located within the LIRR right of way with common fill. Graded the hill at the dead-end of Wendell Street and compacted RCA along the roadway. Cut-back overgrown brush, and prepared the hill top for shed location. Developed two (2) monitoring points (MP-1-5, MP-1-1S). Secured snow fence and barricades throughout the work area for safety

3-14-2011 Filled in the saw-cut concrete sidewalk located on Smith Street with "Sika-Flex". Transported RCA to the dead-end of Wendell Street and graded the top of the hill where the System #1 Shed will be located. Pressure tested the remaining wells along Atlantic Avenue and Hilton Avenue. Transported extra RCA back to the Intersection Street staging yard for stockpiling. Secured and repaired snow fence and barricades throughout the work area for safety.

3-15-2011 Transported RCA to the dead-end of Wendell Street and graded the top of the hill where the System #1 Shed will be located. Transported extra RCA back to the Intersection Street staging yard for stockpiling. Pressure tested the defective injection wells (OW-1-16S, OW-1-26S, OW-1-32D, and OW-1-51). Injection well OW-1-32D cleared the pressure test and holds pressure at 27 psi. Precleared and prepared the area for (OW-1-16S, OW-1-26S, and OW-1-51) to be re-drilled. Cut up filter fabric to cover the top of the hill where the 3/4" stone will be placed. Secured snow fence and barricades throughout the work area for safety.

6. Review submittal schedules and expedite approval

No comments.

7. Pending changes and substitutions

No comments.

8. New Business

- NG requested the restoration and landscaping be added to the items list on the agenda.
- NG requested URS research the data for the proposed monitoring wells and contact NG to discuss.
- The next weekly meeting is scheduled for Wednesday, March 23, 2011, at which time there will be a discussion for the next meeting date.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday March 16, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of March 9, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built Plans/Close-Out Documents – F&N Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Replacement of wells OW-1-16S, OW-1-32D, OW-1-26S and OW-1-51 – F&N Status (Scheduled 3-17-11)
  4. System #1 – Concrete Restoration
  5. System #1 – Electric Service Connection – F&N Status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (March 9 – March 15)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting – TBD

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, MARCH 23, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Jason Falquacee

Safety Topic of Meeting

Kirk White introduced the topic of Being Safe While Active and a Behavior Based Safety form. Some of the items discussed were as follows;

- Preventing sports injuries.
- Remember safety gear associated with your sport.
- Increase your exercise level gradually.
- Avoid bending knees past 90 degrees when doing half knee bends.
- Do warm up stretches before the activity.
- First Aid with R.I.C.E. rest, ice, compression and elevation.

1. Review of minutes from March 16, 2011 meeting

- URS reported the final meeting minutes have been sent out for 3-09-2011.
- URS reported awaiting comments for the meeting minutes of 3-16-2011.

2. Open items from previous meeting

System No. 2 asbuilt plans

- F&N reported waiting on the release of liens from their subcontractors.

System #1 LIPA work schedule

- NG reported speaking with LIPA about the possibility of installing the proposed underground conduit as soon as possible.
- NG reported they will contact LIPA again and request an updated schedule.

System #1 Concrete Restoration

- F&N reported the concrete preparation will begin on Thursday, March 24, 2011.
- F&N reported attempting to schedule meetings with subcontractors Bay Crane, Sylvestri Landscaping, MG & Sons (concrete work) and Lindley Paving for Friday, March 25, 2011.
- NG requested they be notified once subcontractors are scheduled with firm commitments to meet on Friday, March 25, 2011.

System #1 Electric Service Connection

- F&N reported the connection for the electric service for System #1 has not been connected to date.
- F&N reported they will contact LIPA for the connection of the electric service for System #1.

System #1 Landscape Restoration

- F&N reported they are scheduling a meeting with Sylvestri Landscaping to discuss the proposed restoration of System #1 project.
- NG requested information of the completion on the proposed stone base for System #1.
- URS reported that although the platform has been stabilized with RCA, the required stone base has yet to be installed.
- F&N reported that they will schedule for the stone base for System #1 to be installed prior to the delivery on April 6, 2011.

System #1 & #2 Proposed Monitoring Wells

- URS reported they are corresponding with NG for the locations.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS reported wet conditions on the site due to rain and snow.
- URS reported the weather forecast for the rest of the week will be below freezing during the night.
- URS requested that all compaction tests be completed prior to installation of concrete sidewalks and driveways.

4. Revisions to construction schedule

- There was a general discussion on the concrete restoration schedule. It was determined that although the schedule reflects the concrete restoration is behind by two weeks, the restoration should be completed prior to the delivery of System #1.
- NG requested the restoration of concrete on Atlantic and Hilton Avenues be schedule with the Smith Street restoration.
- URS suggested NG meet with LIPA to review concrete and asphalt restoration on Atlantic Avenue.

5. Progress during previous work period (March 16, - March 22)

3-16-2011-Disconnected the chain-link fence located on Smith Street. Transported the chain-link fence to the Intersection Street staging yard. Backfilled open holes from fence posts with common fill. Cut down the HDPE Oxygen Injection lines at the dead end of Wendell Street where System #1 shed will be located. Secured snow fence and barricades throughout the work area for safety.

3-17-2011-Assisted drillers (Glacier) at the locations to be re-drilled (OW-1-51, OW-1-16S, and OW-1-26S). Cut well head down approximately 3 feet bgs. Connected tees and fittings to the newly installed injection wells. Mobilized GeoProbe 8040 to work site and installed three (3) injection points. (OW-1-51R, OW1-16SR, OW-1-26SR). Secured snow fence and barricades throughout the work area for safety

3-21-2011- Hand cleared around injection well (OW-1-51) and disconnected the existing HDPE oxygen line and fittings. Rerouted the HDPE Oxygen line to the newly installed injection well (OW-1-51R). Connected fittings and ball valve to OW-1-51R. Moved manhole from old injection well (OW-1-51) and set in concrete to the new injection well (OW-1-51R). Backfilled open area with common fill and tamped for compaction. Secured snow fence and barricades throughout the work area for safety.

3-22-2011- Hand cleared around injection well (OW-1-16S) and disconnected the existing HDPE oxygen line and fittings. Rerouted the HDPE Oxygen line to the newly installed injection well (OW-1-16SR). Connected fittings and ball valve to OW-1-16SR. Moved manhole from old injection well (OW-1-16S) and set in concrete to the new injection well (OW-1-16SR). Backfilled open area with common fill and tamped for compaction. Secured snow fence and barricades throughout the work area for safety.

6. Review submittal schedules and expedite approval

- URS reported that F&N will forward start up procedures for System #1 prior to the actual start up.

7. Pending changes and substitutions

No comments.

8. New Business

- The next weekly meeting is tentatively scheduled for Thursday, March 31, 2011@ 12:30 PM.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday March 23, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of March 16, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built Plans/Close-Out Documents – F&N Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Concrete Restoration – F&N Status
  4. System #1 – Electric Service Connection – F&N Status
  5. System #1 – Landscape Restoration
  6. System #1 & #2 – Proposed Monitoring Wells – NG/URS Status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (March 16 – March 22)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting – TBD

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, MARCH 31, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Lisa Sawicki, Mike Ryan

Safety Topic of Meeting

Kirk White introduced the topic of Housekeeping. Some of the items discussed were as follows;

- Why should we pay attention to housekeeping at work?
- Effective housekeeping can eliminate some workplace hazards.
- Poor housekeeping can frequently contribute to accidents by hiding hazards.
- Good housekeeping is a basic part of fire prevention.
- Good housekeeping practices can maximize efficiency in the workplace.
- A good housekeeping plan manages the orderly storage and movement of materials from point of entry to exit.

1. Review of minutes from March 16, 2011 meeting

- URS reported the final meeting minutes of 03-23-2011 will be sent out by end of the week.

2. Open items from previous meeting

System No. 2 asbuilt plans/close out documents

- F&N requested sending the close out documentation to URS as each section is completed.
- F&N reported approximately 75% is complete.

- NG requested the documentation be sent to Kirk White in the field office for review. The documentation, upon review will then be sent out to the URS Buffalo office for final review.
- NG requested the well logs be redlined by F&N, on the appropriate plan sheet to reflect the actual depths of installation.

System #1 LIPA work schedule

- NG reported meeting with LIPA representative and discussed the possibility of installing the proposed electric conduit prior to the proposed schedule so the restoration process in the LIRR can stay on schedule.
- NG reported LIPA work will not be completed in the LIRR until 3 weeks at a minimum.

System #1 Concrete Restoration

- F&N reported completing the concrete preparation work on Smith Street.
- F&N reported the concrete subcontractor will be on site 04-04-2011 to begin setting forms.
- F&N will be on site while subcontractor is performing the work.
- F&N reported they will begin concrete preparation work on Atlantic Avenue on 04-04-2011.

System #1 Electric Service Connection

- F&N reported the connection for the electric service for System #1 has been completed.

System #1 Landscape Restoration

- NG reported meeting with URS, F&N, and Sylvestri Landscaping in regards to the proposed scope of work to be performed.
- NG requested the proposed price of the tree removal on the LIRR be expedited so that the tree may be removed and the slope cleaned of debris in a timely fashion.

System #1 & #2 Proposed Monitoring Wells

- NG requested F&N forward information regarding the existing System #2 reading at 10' intervals. Once this information is acquired, then a decision will be made regarding the depths of the proposed monitoring wells.
- NG requested that F&N install the monitoring wells and that the locations and depths will be made available within two weeks time.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS requested the rigging plan be forwarded as soon as available so it can be reviewed and approved in a timely fashion.
- URS reported that F&N will supply two flagmen and an operator on the day of the delivery of System #1.

- URS requested that F&N take the time to review the rigging plan and proper procedures for the tag lines.

4. Revisions to construction schedule

- There was a general consensus that the schedule going forward is weather dependant.
- NG requested F&N supply the estimate for upcoming asphalt work as soon as possible.
- NG requested that F&N notify URS and NG as soon as asphalt and landscaping is scheduled.

5. Progress during previous work period (March 16, - March 22)

3-24-2011 Began preparation for sidewalk restoration located on Smith Street. Dug out sections of concrete approximately 5 inches bgs and 7 inches bgs in driveway apron areas. Tamped all areas for compaction. Adjusted manholes to be set in place during concrete restoration. Removed small section of concrete located on Smith Street and transported to the Intersection Street staging yard for stockpiling. Secured snow fence and barricades throughout the work area for safety.

3-25-2011 Continued preparation for sidewalk restoration located on Smith Street. Dug out sections of concrete approximately 5 inches bgs and 7 inches bgs in driveway apron areas. Tamped all areas for compaction. Adjusted manholes to be set in place during concrete restoration. Removed small section of concrete located on Smith Street and transported to the Intersection Street staging yard for stockpiling. Transported any extra common fill back to the Intersection Street staging yard for stockpiling. Secured snow fence and barricades throughout the work area for safety.

3-28-2011Continued preparation for sidewalk restoration located on Smith Street. Dug out sections of concrete approximately 5 inches bgs and 7 inches bgs in driveway apron areas. Tamped all areas for compaction. Adjusted manholes to be set in place during concrete restoration. Transported and installed steel road plates in driveway areas to allow access. Removed small section of concrete located on Smith Street and transported to the Intersection Street staging yard for stockpiling. Transported any extra common fill back to the Intersection Street staging yard for stockpiling. Secured snow fence and barricades throughout the work area for safety.

3-29-2011Continued preparation for sidewalk restoration located on Smith Street. Saw-cut areas in sidewalk in front of the vacant building located on Smith Street. Dug out sections of concrete approximately 5 inches bgs and 7 inches bgs in driveway apron areas. Tamped all areas for compaction. Adjusted manholes to be set in place during concrete restoration. Transported and installed steel road plates in driveway areas to allow access. Removed small section of concrete located on Smith Street and transported to the Intersection Street staging yard for stockpiling. Transported any extra common fill back to the Intersection Street staging yard for stockpiling. Disconnected overhead phone lines at the dead end of Wendell Street. Reinstalled "NO parking" signs along Smith Street. Secured snow fence and barricades throughout the work area for safety.

3-30-2011Transported steel road plates to the driveway areas along Smith Street. Continued sidewalk preparation for all driveway access aprons. Set manholes to proper depth to be set in concrete. Transported all broken concrete back to the Intersection Street staging yard for stockpiling. Developed the reinstalled injection wells. Secured snow fence and barricades throughout the work area for safety.

6. Review submittal schedules and expedite approval

- URS reported none pending.

7. Pending changes and substitutions

No comments.

8. New Business

- F&N reported that they will be in contact with the driver delivering System #1 and should know the approximate time of arrival.
- NG requested that F&N delay the date of the water disposal until after the installation of the proposed monitoring wells.
- URS requested F&N supply copies of delivery tickets as the concrete is installed.
- URS requested that F&N schedule compaction tests for Smith Street prior to the installation of concrete.
- NG requested URS email the excel spread sheet which reflects the pickup and delivery of materials from Intersection Street staging yard.
- The next scheduled meeting is to be held on Thursday, April 7, 2011 @12:30 PM.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
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M. Schieferstein
J. Sundquist
J. Christman

L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Thursday March 31, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of March 23, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built Plans/Close-Out Documents – F&N Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Concrete Restoration – F&N Status (Starting 4-4-11)
  4. System #1 – Electric Service Connection – F&N Status (Done)
  5. System #1 – Landscape Restoration
  6. System #1 & #2 – Proposed Monitoring Wells – NG/URS Status
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (March 23 – March 30)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
  - System #1 Delivery (April 6th Confirmed w/Matrix)
  - System #1 Water Disposal – Tentatively Scheduled April 7th
- Next meeting – TBD

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, APRIL 7, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein, Jason Falquacee

Safety Topic of Meeting

Kirk White introduced the topic of inspections by regulatory agencies. Some of the items discussed were the following;

- When an unexpected visit occurs, request an opening conference to review the scope and purpose of the visit.
- Contact all personal involved, including management, and the owner/client.
- Ensure that each inspector is accompanied by a management team representative, and the owner/client whenever possible.

1. Review of minutes from March 31, 2011 meeting

- URS reported the final meeting minutes of 03-31-2011 will be sent out by end of the week.

2. Open items from previous meeting

System No. 2 asbuilt plans/close out documents

- There was a discussion on the procedure and implementation of the installed wells shown on the System #2 plans. It was determined that URS will investigate the original CAD drawings

and will send over to F&N who will then draw up the profile plan sheet to reflect the installed depths and locations of wells for System #2.

System #1 LIPA work schedule

- NG reported speaking with a LIPA representative. The schedule for completing the LIPA work across Atlantic Avenue and Hilton will be a minimum of another two to three weeks.

System #1 Concrete Restoration

- F&N reports the concrete work is contingent upon weather conditions.
- URS requested the concrete restoration on Atlantic Avenue and Hilton Avenue be completed before Smith Street.

System #1 Landscape Restoration

- F&N reported options and pricing for landscape restoration on the slope of LIRR near System #1.
- NG requested a walk down at System #1 to determine fence perimeters.

System #1 & #2 Proposed Monitoring Wells

- NG requested the availability of scheduling F&N to perform installation of monitoring wells.
- NG and URS supplied F&N with the proposed locations and depths of monitoring wells.
- F&N requested time to investigate the proposed locations and will contact NG with proposed drilling equipment and a schedule of when the rig is available. NG indicated that it plans to install the wells using direct push technology.

System #1 – Water disposal

- It was determined to wait on the disposal of water until all monitoring wells are installed.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS requested that debris be picked up along Smith Street.

4. Revisions to construction schedule

- URS reported the schedule remains weather dependant.
- NG requested URS investigate replacing the flow meters @ System #1.

5. Progress during previous work period (March 16, - March 22)

3-31-2011 Saw cut concrete sidewalk by 77 Smith Street. Demolished and removed concrete sidewalk and transported to the Intersection Street staging yard for stockpiling. Set up barricades around open areas on Smith Street. Cut filter fabric and placed on the hill top of Wendell Street, where the System #1 shed will be located. Laid three cubic yards of 3/4" blue stone for base of the System #1 shed. Secured snow fence and barricades throughout the work area for safety.

4-1-2011 Transported 3/4" blue stone to the dead-end of Wendell Street and graded a 12' x 24' section on top of the hill where the System #1 shed will be placed. Tamped all areas for compaction. Removed any debris from the hill top and transported back to the Intersection Street staging yard. Mobilized to Atlantic Avenue and began preparation for the concrete sidewalk restoration. Dug the sidewalk area down to 5 inches bgs and 7 inches bgs as per required. Tamped all areas for compaction. Secured snow fence and barricades throughout the work area for safety.

4-4-2011 Mobilized the backhoe to Atlantic Avenue and removed sections of sidewalk. Transported debris and concrete to Intersection Street staging yard for stockpiling. Removed steel road plates and set the manholes to proper grade. Moved the steel road plates to the driveway access areas located on Smith Street. MG & Sons began concrete restoration. Formed out all areas of the sidewalk located on Smith Street. No concrete was poured. Silvestri Landscaping removed a tree on the hill at the dead end of Wendell Street. Area where System #1 will be located is cleared and ready for delivery. Secured snow fence and barricades throughout the work area for safety.

4-5-2011 Set up barricades along Smith Street to prepare for concrete restoration. Continued removal of sidewalk along Atlantic Avenue. Transported broken concrete to the Intersection Street staging yard for stockpiling. Installed small steel road plate on Smith Street to be used as a walkway. Set up "No Parking" signs along Smith Street. Loaded out one (1) load of tank sand from the Intersection Street staging yard. Installed new sign posts along Smith Street (No Parking). Secured snow fence and barricades throughout the work area for safety.

4-6-2011 MG & Sons Mobilized concrete front loader to Smith Street. Soil Mechanics performed multiple tests on concrete. MG & Sons began to pour concrete sidewalk along Smith Street. F&N did final preparations to the hill top at the dead end of Wendell Street, where System #1 will be located. Moved road plates to allow MG & Sons to pour concrete. System #1 Shed was delivered and Bay Crane placed the shed on top of the hill located at the dead end of Wendell Street. Flagmen were used in order to control any traffic through Smith Street during concrete pour and System #1 placement. Secured snow fence and barricades throughout the work area for safety.

6. Review submittal schedules and expedite approval

- URS reported none pending.

7. Pending changes and substitutions

No comments.

8. New Business

System #1-Fence Installation

- F&N reported a temporary fence will be installed by the end of the day. Once the measurements are taken at the System #1 location, F&N will schedule to have the permanent fence installed.

System #1- Asphalt Restoration

- F&N reported the subcontractor will be submitting the pricing for the proposed asphalt restoration.

System #2 Repair – O&M status

- F&N reported the repair to the compressor is complete and the system has been running for 3 days.
- F&N reported the O&M is scheduled for early next week. During this time the six month maintenance will be completed.

System #1 – Delivery Issues

- F&N reported after receiving the building and upon inspection there was some damage to existing parts inside the building.
- NG requested F&N review the damage on the site walk scheduled after the meeting.
- F&N reported taking photos of the damage and sending to Matrix.

- URS reminded F&N to install the required grounding rods at the System #1 building.

- The next scheduled meeting is to be held on Thursday, April 14, 2011 @12:30 PM.

Prepared and Distributed by:

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J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Thursday April 7, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of April 7, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built Plans/Close-Out Documents – F&N Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Concrete Restoration – F&N Status
  4. System #1 – Landscape Restoration – F&N Status
  5. System #1 & #2 – Proposed Monitoring Wells – NG/URS Status
  6. System #1 – Water Disposal – Pending Monitoring Well Installation
- System #1Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (March 31 – April 6)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
  - System #1 – Fence Installation
  - System #1 – Asphalt Restoration – F&N Status
  - System #2 – Repair & O&M Status
- Next meeting – TBD

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, APRIL 14, 2011, 1:00 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein, Jason Falquacee

Safety Topic of Meeting

Kirk White introduced the topic of Eye Protection. Some of the items discussed were as follows;

- Eye protection is one of the most common forms of PPE that is overlooked when working at home.
- If a person in the workplace gets something in their eye, seek proper medical attention right away.
- The longer a foreign object is in the eye, the more of a chance of the injury becoming worse.
- Eye protection is also needed when handling chemicals.
- Eye protection should also be worn at home when chopping wood, using power tools, and painting.

1. Review of minutes from March 16, 2011 meeting

- URS reported the final meeting minutes for April 7, 2011 will be sent out soon.

2. Open items from previous meeting

System No. 2 asbuilt plans

- F&N reported submitting questions regarding the warranty period for System #2.
- URS reported that the warranty period is tied to the System startup completion date.
- F&N reported they will submit a video closeout of System #2 for documentation.

System #1 LIPA work schedule

- NG reported speaking with LIPA again regarding the installation of the electric conduit in the LIRR. It was reported that the LIPA contractor had not yet agreed at add a splice near Atlantic Ave.
- There was a discussion on the possibility of completing the required work in the LIRR before LIPA comes into that particular area. This subject was tabled for future consideration.

System #1 Concrete Restoration

- F&N reported the concrete work will be complete once the sealant has been applied. F&N will schedule the contractor during regular working days to apply the sealant so that F&N can remove the existing steel plates over the driveways.

System #1 Landscape Restoration

- F&N reported the subcontractor will submit a proposal for the restoration with-in the week.

System #1 & #2 Proposed Monitoring Wells

- URS reported they have received the RFI (request for information) from F&N and will investigate and report.

System #1 Water Disposal

- The water disposal will commence once the proposed monitoring wells have been installed and tested.

System #1 Flow Meter Replacement

- URS reported investigating the scale labels on the flow meters and found no scale labels have fallen off of the meters in the past. URS reported the scale labels have no bearing on the functionality of the flow meter itself. URS will investigate further to see if replacing the flow meters is needed.

System #1 Fence Installation

- F&N reported the gates will be installed and the fabric and posts tightened on April 16, 2011.

System #1 Asphalt Restoration

- URS reported the estimated measurements on the submitted areas to be paved are not accurate and should be measured again.

- F&N reported the specification called for does not match the field conditions on Hilton and Wendell, therefore the amount of asphalt used at each location will be the charged amount.

- During the meeting it was determined that the proposed asphalt quantity installed will be less than specified in the estimate due to the reduced areas expected from planned remeasuring, and it will be billed ~~accordingly (?per linear foot and/or?) by the ton.~~according to the revised estimate.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

No Comments.

4. Revisions to construction schedule

- For field restorations weather permitting.
- For startup on System #1, subject to acquiring the proper fittings and parts needed. (~~not~~Not weather dependant). NG requested F&N to expedite obtaining the parts, completing connections and completing System #1 startup the week of April 25.

5. Progress during previous work period (April 7, - April 13)

4-7-2011 ~~Transported~~transported six (6) sections of temporary chain link fence to the dead end of Wendell Street and installed around the System #1 shed. Removed plywood from the rooftop of the shed along with crates around the A.C. unit and vents. Transported material back to the Intersection Street staging yard. Unpacked all equipment inside the System #1 shed. Repaired sprinkler lines located on Atlantic Avenue. Mounted main disconnect for electric service on the side of the shed. Cleaned up any debris on Smith Street and transported back to the Intersection Street staging yard. Secured snow fence and barricades throughout the work area for safety.

4-8-2011Reinstalled telephone line from the electric utility pole at the dead end of Wendell Street to #77 Smith Street building. Installed two (2) sign poles supplied by the town on Atlantic Avenue. Grounded the base of the System #1 shed. Installed conduit into disconnect on the shed. Secured all electrical wires to the shed, and powered up for a test run. Transported load of RCA to the top of the hill. Spread and raked evenly around the System #1 shed. Secured snow fence and barricades throughout the work area for safety.

4-11-2011 Finished electrical connections on System #1 shed. Tested out the equipment inside System #1 shed. Grounded all equipment. Transported one (1) load of RCA to the dead end of Wendell Street

laid evenly within new fence area around the System #1 shed. Installed all signs to poles and located them on Smith Street and Atlantic Avenue. Loaded out empty reels on trailer. Chain link fence installed around System #1 shed, gate to follow. Secured snow fence and barricades throughout the work area for safety.

4-12-2011Finished loading out empty reels on trailer. Transported extra materials back to the Intersection Street staging yard. Cleaned up Intersection Street staging yard. F&N transported load of materials (HDPE hose) back to F&N Yard. Laid 3/4" blue stone around the System #1 shed at the dead end of Wendell Street. Secured snow fence and barricades throughout the work area for safety.

4-13-2011Removed all temporary chain link fence from around System #1 shed. Loaded the fencing onto trailer and transported back to the Intersection Street staging yard. Cleaned up any materials and debris from Smith Street and removed all barricades and safety cones. Materials transported back to the Intersection Street staging yard. Installed temporary gate for the System #1 shed until final gate is installed. Secured snow fence and barricades throughout the work area for safety.

6. Review submittal schedules and expedite approval

- URS requested F&N submit a modified list previously agreed to for the manifold connections at System #1.

7. Pending changes and substitutions

No comments.

8. New Business

- It was determined to table ~~this~~ the disposal of soils item until further discussions for the following week.
- F&N reported the scheduled 6 month maintenance for System #2 has been completed and the O&M readings submitted. No further problems were encountered.
- It was requested that the System #1 startup should be added to the items list.
- F&N reported System #1 startup will commence the following week once the parts arrive for hook up.
- F&N reported that due to the specificity of the startup requirements there may or may not be a time delay.
- URS requested F&N submit a startup plan/ checklist to expedite the startup.
- URS requested an update on the repairs needed to be performed at System #1.
- F&N reported that a Matrix representative will be on site to repair the duct work at System #1 during the startup period.

- F&N reported contacting the manufacturer with regards to repairing the grill on the compressor. F&N is awaiting a response.
- URS requested that repairs be added to the list of open items until such time as the repairs are implemented and accepted for System #1.
- URS requested a scheduled date to begin the punch list procedure.
- F&N reported a substantial completion has to be submitted for approval prior to the punch list procedure.
- URS requested that Substantial Completion for System #1 be added to the open items list.
- NG requested the LIRR landscape restoration be separated from the Substantial Completion and Punch List until further notice. F&N was agreeable to this.

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Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Thursday April 14, 2011, 1:00 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of April 7, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built Plans/Close-Out Documents – F&N/URS Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Concrete Restoration – F&N Status
  4. System #1 – Landscape Restoration – F&N Status
  5. System #1 & #2 – Proposed Monitoring Wells – F&N/NG/URS Status
  6. System #1 – Water Disposal – Pending Monitoring Well Installation
  7. System #1 – Flow Meter Replacement – URS Status
  8. System #1 – Fence Installation – F&N Status
  9. System #1 – Asphalt Restoration – F&N Status
- System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (April 7 – April 13)
- Review submittal schedules and expedite approval
  - System #1 Manifold Connections
- Pending changes and substitutions
- New Business
  - System #1 – Trenching Extra Soil Disposal
- Next meeting – TBD

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, APRIL 20, 2011, 1:00 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein, Jason Falquacee

Safety Topic of Meeting

Kirk White introduced the topic of hand tools and portable equipment safety. Some of the items discussed were as follows;

- Keep hand and power tools in good repair and use them only for the task for which they were designed.
- Remove damaged or defective tools from service.
- Provide the PPE needed for each specific tool and its task.
- Clean tools and return to a suitable toolbox, room, rack, or other storage area.
- Before applying pressure, ensure that wrenches have a good bite.
- Always pull a wrench, never push.
- Do not leave tools in or on passageways, access ways, walkways, ramps, platforms, stairways, or scaffolds where they can create a tripping hazard.
- Use non sparking tools in atmospheres with fire or explosive characteristics.
- Ensure that all portable tools designed to accommodate guards are equipped with such when in use.
- Do not allow loose clothing, long hair, loose jewelry, rings, and chains to be worn while working with power tools.
- Require that all power fastening devices be equipped with a safety interlock capable of activation only when in contact with the work surface.

1. Review of minutes from March 16, 2011 meeting

- URS reported the April 7 meeting minutes final has been sent.
- URS reported that subject to further revision approval, the meeting minute's final from April 14, 2011 will be sent out by end of week.

2. Open items from previous meeting

System No. 2 asbuilt plans

- F&N reported waiting on a response from URS with regards to questions for close out documents.
- F&N reported that they are in the process of scheduling the final video recording for System #2. NG requested that they be notified of the schedule so that URS can be on site.

System #1 LIPA work schedule

- NG reported that the representative for LIPA informed NG that work should begin soon at the LIRR behind the Atrium building. NG requested that all existing oxygen injection wells and lines be marked so that LIPA can identify their locations.

System #1 Concrete Restoration

- F&N reported the caulking for the concrete restoration has been completed.
- URS requested the documentation for the concrete breaks be forwarded.
- F&N reported that the results for the concrete breaks will be forwarded as soon as the results become available.

System #1 Landscape Restoration

- F&N reported Silvestri Landscaping will be on site Monday, April 25, to begin the landscape restoration.
- URS requested NG approve the stockpiled plantings which are to be restored in the LIRR behind the Atrium building.
- NG requested that 3 Junipers be planted on the East and West locations previously proposed as well as the White pines on the lower slope. NG reported once plantings have been installed, a decision will be made for additional plantings if desired.

System #1 & #2 Proposed O2 System Performance Monitoring Wells

- NG requested a schedule for the installation of the monitoring wells.
- F&N reported that the subcontractor is available all next week and that the installation will take one day's work.

System #1 Water Disposal

- F&N reported that the water disposal will be scheduled once the monitoring wells have been installed and developed.

System #1 Flow Meter Replacement

- URS reported the flow meter replacement is still under investigation.

System #1 Fence Installation

- F&N reported that Silvestri Landscaping added concrete to firm up the fence posts and is waiting for the concrete to cure. When the concrete cures, Sylvestri Landscaping will tighten the fence fabric.

System #1 Asphalt Restoration

- URS requested a clarification on the estimate received from April 14, 2011.
- F&N reported the estimate will be used for measurement and payment.
- F&N reported awaiting a response from the subcontractor for a scheduled date to begin the asphalt restoration.

System #1 Start up Activities

- F&N reported receiving the necessary parts for making the connection at System #1. Installation will begin the following day, Thursday, April 21, 2011.
- F&N reported the Matrix start up schedule is tentatively set for Wednesday, April 27, 2011.

System #1 Damage Repairs

- F&N reported waiting for a response from the manufacturer for the damage incurred to the compressor radiator. Matrix will determine whether or not the damage will impede the start up procedure.

System #1 Substantial Completion Request

- NG reported the SCR will be on hold until the restoration projects have been completed.
- NG requested the work required in the LIRR may or may not affect the SCR.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

No comments.

4. Revisions to construction schedule

No comments.

5. Progress during previous work period (April 7, - April 13)

4-14-2011 MG & Sons Mobilized concrete front loader to Smith Street. Soil Mechanics performed multiple tests on concrete. MG & Sons began to pour concrete sidewalk along Smith Street. Moved roadplates to allow MG & Sons to pour concrete. Flagmen were used in order to control any traffic through Smith Street during concrete pour and moving of steel road plates. Cut up sections of plywood to shim roadplates for driveway access. Taped off sidewalk areas on Smith Street along with cones to protect the freshly poured concrete. Equipment mobilized to Atlantic Avenue and MG & Sons began to pour concrete on Atlantic Avenue and Hilton Avenue. Secured snow fence and barricades throughout the work area for safety.

4-15-2011Marked out asphalt along trenches and driveways. Utilized concrete saw and saw cut the marked out asphalt. Cleaned shoulder of Smith Street and transported any debris back to the Intersection Street staging yard. Swept all areas clean and removed any materials left around. Installed MGP locks on electrical equipment located at the System #1 shed. Secured snow fence and barricades throughout the work area for safety.

4-18-2011 Installed wire mesh in the openings at the base of System #1 shed. Dug out stone area under the System #1 shed and moved 3/4" lines to inside wall of shed. Repaired duct work which came apart during the shipping process. Utilized backhoe and moved four (4) steel road plates from the driveway areas on Smith Street. Removed barricades along Atlantic Avenue and Hilton Avenue from sidewalk area. Transported fence posts and cones back to the Intersection Street staging yard. Silvestri Landscaping was onsite to repair fence post around the System #1 shed. Secured snow fence and barricades throughout the work area for safety.

4-19-2011Moved three (3) steel roads plates, and cleaned up any debris left on the sidewalk area of Smith Street. Transported RCA to the dead end of Wendell Street and laid along the built in access way. Swept Smith Street and Wendell Street and transported any debris back to the Intersection Street staging yard for disposal. Organized and cleaned up materials in the Intersection Street staging yard. Secured snow fence and barricades throughout the work area for safety.

6. Review submittal schedules and expedite approval

- F&N reported that they will investigate whether or not they received approval for payment for schedule #12.

7. Pending changes and substitutions

No comments.

8. New Business

- F&N reported that Mike Ryan will not be available 4-29-2011.
- URS requested F&N fill in the gaps between the fence and the new sidewalk on Smith Street.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday April 20, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of April 14, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built Plans/Close-Out Documents – F&N/URS Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Concrete Restoration – F&N Status
  4. System #1 – Landscape Restoration – F&N Status
  5. System #1 & #2 – Proposed Monitoring Wells – F&N/NG/URS Status
  6. System #1 – Water Disposal – Pending Monitoring Well Installation
  7. System #1 – Flow Meter Replacement – URS Status
  8. System #1 – Fence Installation – F&N Status
  9. System #1 – Asphalt Restoration – F&N Status
  10. System #1 – Startup Activities– F&N Status
  11. System #1 – Damage Repairs – F&N Status
  12. System #1 – Substantial Completion Request – F&N/URS Status
- System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (April 14 – April 20)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting – TBD

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, APRIL 27, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein

Safety Topic of Meeting

Matt Schieferstein introduced the topic of tick season. Some of the topics discussed were as follows;

- Know where to expect ticks.
- Check your body for ticks.
- Check your clothing for ticks.
- What to do if you are bitten by a tick.
- First aid for tick bites.

Kirk White introduced the timely topic of thunderstorms and the procedures to follow in the workplace.

- When thunder is heard or lightning sighted a stand down policy is in effect.
- The stand down policy is 30 minutes in a safe area after the last sound of thunder or sighting of lightning.
- Workers should find shelter in the vehicles or indoors.
- All equipment should be shut down.

1. Review of minutes from April 20, 2011 meeting

- URS reported the April 14 2011 minutes will finalize pending review.
- URS reported the April 20, 2011 minutes will finalize pending review.

2. Open items from previous meeting

System No. 2 asbuilt plans/close out documents

- F&N reported that they will expedite the close out documents for System #2.
- F&N requested that URS investigate whether the drawings are on a Cad file.

System #1 LIPA work schedule

- F&N reported that LIPA may begin the installation of the proposed conduit work on the North side of Hilton Avenue up to the triangle of Atlantic Avenue. Once the installation is complete LIPA may continue across Atlantic Avenue and into the LIRR behind the Atrium Building.

System #1 Concrete Restoration

- F&N reported the caulking for the concrete restoration has not been completed as previously reported. F&N will contact the subcontractor to complete the caulking for the concrete restoration.
- There was a discussion on damaged concrete with the agreement to meet on the site of the damaged concrete to determine the appropriate action for repair.

System #1 Landscape Restoration

- F&N reported Silvestri Landscaping will hand seed the remaining slopes to be seeded. F&N requested that the plants at Intersection Street staging yard be planted in the ground in one week.
- NG agreed.
- URS requested NG asses the West slope behind System #1 for approval.
- There was a discussion on whether or not to add a gate to the access road at System #1. This item was tabled for future discussion.

System #1 & #2 Proposed Monitoring Wells

- F&N reported that Glacier will be on site April 28, 2011 to begin the installation of monitoring wells.
- NG requested that F&N have the monitoring well installed on Wendell Street after the well on Atlantic Avenue.

System #1 Water Disposal

- F&N reported that the water disposal will be scheduled once the monitoring wells have been installed and developed.

System #1 Flow Meter Replacement

- URS reported the flow meter scale will not affect the performance of the flow meter.
- NG requested URS investigate further.

System #1 Fence Installation

- F&N reported that Silvestri Landscaping tightened the fence at System #1.

System #1 Asphalt Restoration

- F&N reported that the asphalt restoration will be completed by the end of the day.

System #1 Start up Activities

- F&N reported that a Matrix representative will be on site today to begin the checklist for preparation of startup.
- NG requested Matrix schedule a training session for System #1.

System #1 Damage Repairs

- F&N reported that the Matrix representative will asses and report on the damage to System #1 today.

System #1 Substantial Completion Request

- URS reported the SCR will be revisited on a weekly basis.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS requested that the proposed plantings be placed away from the proposed LIPA work.
- NG reported that they will schedule a walk down with LIPA to review the proposed LIPA work areas.

4. Revisions to construction schedule

No comments.

5. Progress during previous work period (April 21, - April 26)

4-21-2011 Connected 100 3/4" PVC check valves with hose barbs to the installed HDPE lines. Sorted HDPE lines and well numbers into each manifold. Marked out existing location of HDPE lines within the trench with spray paint to warn other contractors. Secured snow fence and barricades throughout the work area for safety.

4-22-2011 Continued connecting 3/4" PVC check valves with hose barbs to the installed HDPE lines. Sorted HDPE lines and well numbers into each manifold. Began connections of HDPE lines to the manifolds designated. Secured snow fence and barricades throughout the work area for safety.

4-25-2011 Finished connecting 3/4" PVC check valves with hose barbs to the installed HDPE lines. Extended HDPE lines through the floor in order to connect the HDPE lines to the manifolds designated. Silvestri Landscaping was onsite and began restoration. Silvestri planted trees around System #1 Shed located on top of the hill at the dead end of Wendell Street. Secured snow fence and barricades throughout the work area for safety.

4-26-2011 Finished connecting 3/4" PVC check valves with hose barbs to the installed HDPE lines. Extended HDPE lines through the floor in order to connect the HDPE lines to the manifolds designated. Marked out areas to be saw cut. Silvestri Landscaping was onsite and continued restoration. Silvestri spread mulch around the hilltop at the dead end of Wendell Street. Secured snow fence and barricades throughout the work area for safety.

6. Review submittal schedules and expedite approval

- F&N reported that applications #13 and #14 will be sent out for review.

7. Pending changes and substitutions

No comments.

8. New Business

- F&N reported that Mike Ryan will not be available 4-29-2011.
- F&N reported that the final video for System #2 is tentatively scheduled for Friday, May 6, 2011.

The next weekly meeting will be held on Thursday, May 5, 2011 @ 12:30 PM.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday April 27, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of April 20, 2011 Meeting
  - Final Minutes – April 14, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built Plans/Close-Out Documents – F&N/URS Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Concrete Restoration – F&N Status
  4. System #1 – Landscape Restoration – F&N Status
  5. System #1 & #2 – Proposed Monitoring Wells – F&N/NG/URS Status
  6. System #1 – Water Disposal – Pending Monitoring Well Installation
  7. System #1 – Flow Meter Replacement – URS Status
  8. System #1 – Fence Installation – F&N Status
  9. System #1 – Asphalt Restoration – F&N Status
  10. System #1 – Startup Activities– F&N Status
  11. System #1 – Damage Repairs – F&N Status
  12. System #1 – Substantial Completion Request – F&N/URS Status
- System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (April 21 – April 26)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting – TBD

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, MAY 5, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Jason Falquacee

Safety Topic of Meeting

James Christman introduced the following topics to be discussed.

- Driving with hot liquids.
- Cell phone usage while operating a motor vehicle or heavy equipment.
- Ergonomics, proper positioning while at the work station.
- Taking the time to stretch.

1. Review of minutes from April 27, 2011 meeting

- URS reported receiving a response from NG and is waiting on a response from F&N.

2. Open items from previous meeting

System No. 2 asbuilt plans

- F&N reported asbuilt plans and close out documentation is ongoing.

System #1 LIPA work schedule

- NG reported speaking with LIPA representative about a possible start date for the construction work behind Atrium 200. The LIPA representative reported a tentative schedule for work to begin on either May 11, or the 12.

System #1 Concrete Restoration

- F&N reported the concrete sealant has been installed at the remaining locations and is 100% complete.
- F&N reported that they are investigating the best construction practice to repair the concrete curb cap in front of Kobi Auto Body on Smith Street.

System #1 Landscape Restoration

- F&N reported that their subcontractor, Silvestri Landscaping, advised them that the plantings which were installed behind the Atrium 200 building in the LIRR are in poor condition and possibly should be replaced.
- F&N reported the installation of sod behind the Atrium 200 building is dependent upon the LIPA work being completed first.
- URS requested that F&N investigate seeding the remainder of the slope behind System #1.

System #1 & #2 Proposed Monitoring Wells

- F&N reported that all proposed monitoring wells have been installed and 3 have been developed with the last on being developed today.
- NG requested that F&N rake out and fill in the areas with topsoil and seed where the monitoring wells were installed.

System #1 Water Disposal

- F&N reported that they are scheduling for the water to be disposed of the following week.

System #1 Flow Meter replacement

- NG reported that they sent an email requesting a 5 year conditional warranty on the flow meters. If more than 5% of the flow meters are defective during the 5 years, NG requested an additional 5 years to the warranty. NG is waiting for Matrix to respond.

System #1 Asphalt Restoration

- F&N reported having contacted the Village of Hempstead for specification requirements on the paint to be used to restore the Stop bar on Smith Street. When F&N receives the information on specifications for the paint they will schedule for the Stop bar and the driveway lines to be restored.
- NG requested that F&N investigate the viability of reheating the existing asphalt stockpile in Intersection Street staging area for filling in the holes at Oswego.
- NG requested that if reheating the existing asphalt is not workable than F&N is to investigate picking up a small amount of hot asphalt for the repair at Oswego.

System #1 Start up activities

- F&N reported that the startup activities will resume once the motor for the compressor is installed. Installation is tentatively scheduled for Monday or Tuesday the following week.
- NG requested F&N investigate the integrity of the valve on well #9S by completing an air leak check with dish soap at the fittings.

System #1 Damage Repairs

- F&N reported that the vent on System #1 has been repaired and is operational.
- F&N reported that the radiator damage was reported by Matrix to be cosmetic.
- NG reported that the air dryer radiator damage is still under discussion and that a future determination will be made on the acceptability of the damage.

System #1 Substantial Completion Request

- NG requested a preliminary walk down be scheduled for today to review the possible items which may be added to a punch list.

System #2 Final video inspection

- F&N reported that they are scheduling for the final video inspection on the following week and will notify NG and URS of the exact time and day.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

No comments.

4. Revisions to construction schedule

No comments.

5. Progress during previous work period (April 27 – May 3)

4-27-2011Set up safety cones on Hilton Avenue to control traffic flow. Loaded five (5) steel road plates and transported back to the Intersection Street staging yard. Utilized backhoe to excavate areas of the trench to 7 inches bgs. Adjusted manholes to finished grade. Transported loads of debris to the Intersection Street staging yard for disposal. Lindley Bros was onsite and restored asphalt road on Hilton Avenue and Wendell Street. Cleaned up all areas of driveways and sidewalk of any debris. Secured snow fence and barricades throughout the work area for safety.

4-28-2011 Onsite with Alan from Matrix to introduce System #1 and its components. Training session given by Matrix. Opened up all manholes and wire brushed clean. Bolted down secure. Painted all manholes light gray. Began removing signs and barricades from Smith Street and transported back to the Intersection Street staging yard. Silvestri Landscaping on site and began installing bushes and trees around System #1 shed. Utilized GeoProbe# 8040 and installed two (2) monitoring points (Wendell Street, Near HISB-106) to 52 feet and 55 feet bgs respectively. Planted seeds on the hill area at the dead end Wendell Street.

4-29-2011Opened up all manholes and wire brushed clean. Bolted manholes down secure. Painted all manholes located in sidewalk light gray, and any in the asphalt black. Removed signs and barricades from Smith Street and transported back to the Intersection Street staging yard. Utilized GeoProbe# 8040 and installed one (1) monitoring point (Near HISB-115) to 78 feet bgs. Attempted to install one (1) monitoring point (Near HIGP-64) attempt failed. Swept and cleaned Smith Street of any debris.

5-2-2011Cleaned up remaining manholes with a wire brush. Bolted down manholes secure. Painted manholes either light gray (sidewalk) or black (asphalt). Loaded up equipment and materials to transport out of the Intersection Street staging yard back to the Fenley & Nicol yard. One man developed three (3) previously installed monitoring points.

5-3-2011 Installed manhole for previously installed Monitoring Well on Hilton Avenue. Painted any remaining manhole covers light gray (sidewalk) or black (asphalt). Repaired HDPE Injection line 9S. Cleaned up Intersection Street staging yard. Utilized GeoProbe #7720 and installed one (1) Monitoring Well to 65 feet bgs.

6. Review submittal schedules and expedite approval

- URS reported that they are waiting for the certificates of destruction and will approve upon confirmation.
- URS reported that they are waiting for copies of concrete delivery tickets and once confirmed will approve.

7. Pending changes and substitutions

No comments.

8. New Business

- The next weekly meeting is tentatively scheduled for Thursday, May 12, 2011@ 12:30 PM.
- NG requested a price quote for the installation of a gate on the access road for System #1.
- NG requested the electric warning stickers be installed by F&N.
- F&N requested the recently installed monitoring wells be assigned numbers.
- URS reported that they will designate numbers to the aforementioned monitoring wells and report to F&N.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Thursday May 5, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of April 27, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built Plans/Close-Out Documents – F&N/URS Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Concrete Restoration – F&N Status
  4. System #1 – Landscape Restoration – F&N Status
  5. System #1 & #2 – Proposed Monitoring Wells – F&N/NG/URS Status
  6. System #1 – Water Disposal – Pending Monitoring Well Installation
  7. System #1 – Flow Meter Replacement – URS Status
  8. System #1 – Asphalt Restoration – F&N Status
  9. System #1 – Startup Activities– F&N Status
  10. System #1 – Damage Repairs – F&N Status
  11. System #1 – Substantial Completion Request – F&N/URS Status
  12. System #2 – Final Video Inspection – F&N Status
- System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (April 27 – May 4)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
- Next meeting – TBD

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, MAY 12, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein Jason Falquacee

Safety Topic of Meeting

Matt Schieferstein introduced the following topics to be discussed.

- May is electrical safety month
- The National Fire Protection Association indicates an estimated annual average of almost 51,000 home fires involving electrical failure or malfunction.
- Nearly two thirds of all fires start in the kitchen.
- Plug counter top appliances into GFCI protected outlets.
- Vacuum refrigerator coils every three months to eliminate dirt buildup that can reduce efficiency and create a fire hazard.
- Even a slight shock from a major appliance can indicate an extremely hazardous wiring condition. Turn the power to the appliance off at the circuit breaker. Do not touch the appliance until it has been checked by a licensed qualified electrician.
- Energy Saving Tip: A toaster oven uses 1/3 as much energy as a full sized oven. Use toaster ovens for cooking small meals.

1. Review of minutes from May 5, 2011 meeting

- URS reported the final minutes from May 5, 2011 will be sent out by the end of the week.

2. Open items from previous meeting

System No. 2 asbuilt plans

- F&N reported asbuilt plans and close out documentation is ongoing.
- F&N reported that they will follow the close out document procedures and review the specifications more closely.
- URS reported that some of the submittals for close out do not apply.
- NG requested that F&N submit a startup date for System #2 and forward to NG/URS.

System #1 LIPA work schedule

- NG reported that Northline has begun to excavate the proposed trench for the installation of the conduit behind the Atrium 200 building in the LIRR.
- NG reported that Northline plans to continue with the excavation and backfill work on Friday, and if needed, Saturday.
- F&N requested information on compaction when Northline backfills the proposed conduit trench.
- NG reported that Northline will tamp the area to reach a minimum of 85% compaction.

System #1 Concrete Restoration

- F&N reported the concrete curb cap repair is being scheduled.
- F&N reported that they will be using bagged concrete mix to perform the repair.

System #1 Landscape Restoration

- There was a discussion on the condition of the plants which were removed and stored with a mulch pile and then replanted. NG requested this item be tabled for future discussion.
- URS reported the area to be restored behind the Atrium 200 building in the LIRR will be available for restoration on Monday, May 16, 2011.
- URS reported that Northline will end the conduit outside of the temporary fence so that F&N can fully restore the aforementioned area.
- F&N reported that restoration is tentatively scheduled to begin on Tuesday, May 17, 2011 pending weather conditions.
- NG requested that F&N submit a proposal for the installation of a farm gate at the base of the access road leading up to System #1.

System #1 & #2 Proposed Monitoring Wells

- F&N reported that the restoration around the recently installed monitoring wells has been completed.
- F&N reported that URS has sent the ID numbers for the monitoring wells.

System #1 Water Disposal

- F&N reported that they will be performing the water disposal on Friday, May 13, 2011
- NG requested that, if there is available room, F&N pump out the large white tank in the Intersection Street staging yard.

System #1 Flow Meter replacement

- NG reported that they sent an email requesting a 5 year conditional warranty on the flow meters. If more than 5% of the flow meters are defective during the 5 years, NG requested an additional 5 years to the warranty. NG is waiting for Matrix to respond.

System #1 Asphalt Marking Paint

- F&N reported that they are in the process of scheduling the work to be performed.

System #1 Start up activities

- F&N reported that the startup activities will resume once the motor for the compressor is installed. Installation is scheduled for Friday, May 13, 2011

System #1 Damage Repairs

- NG reported contacting Matrix and expressing concern about the damage to the radiator on the dryer. Matrix has not yet responded and an answer is pending.

System #1 Substantial Completion Request

No comments, previously discussed under Asbuilt Plans.

System #2 Final video inspection

- F&N reported that they are scheduling for the final video inspection for System #1 and #2 once the landscape restoration for System #1 is 100% completed.
- NG requested that F&N expedite the final video inspection and if possible perform the video for System #2 if there is a hold up with System #1.

System #1 Access Road Gate

- This item was previously discussed under Landscape Restoration.

System #1 Electric Stickers

- F&N reported that Mike Ryan will be on site Friday, May 13, 2011, to install the stickers on Systems #1 and #2.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

No comments.

4. Revisions to construction schedule

No comments.

5. Progress during previous work period (May 5- May 11)

5-5-2011- Installed manholes for previously installed Monitoring Wells located on Hilton Avenue. Mixed concrete and set manholes within a small pad. Developed the previously installed monitoring well. Cleaned up the work-site and sent materials back to F&N yard.

5-6-2011- Cleaned and raked around the three (3) previously installed monitoring wells. Filled the area level with soil and planted grass seeds. Swept sidewalk areas, and repainted the manholes that needed to be touched up. Cleanup around the Intersection Street staging yard.

5-9-2011- Cleaned out debris from concrete along the fence line and sidewalk area located on Smith Street. Swept up the sidewalk and dead end area of Wendell Street. Removed any of the remaining sidewalk closed signs about the work site. Cleanup at the Intersection Street staging yard.

6. Review submittal schedules and expedite approval

- URS requested information on the O&M manual for System #1.
- F&N reported that they will submit the O&M manual either today or on Friday.

7. Pending changes and substitutions

No comments.

8. New Business

- The next weekly meeting is tentatively scheduled for Thursday, May 19, 2011@ 12:30 PM.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Thursday May 12, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of May 5, 2011 Meeting
- Open items from previous meeting
  1. System #2 – As-built Plans/Close-Out Documents – F&N/URS Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Concrete Restoration – F&N Status
  4. System #1 – Landscape Restoration – F&N/NG Status
  5. System #1 & #2 – Proposed Monitoring Wells – F&N Status
  6. System #1 – Water Disposal – Scheduled 5-12-11
  7. System #1 – Flow Meter Replacement – URS/NG Status
  8. System #1 – Asphalt Marking Paint Restoration – F&N Status
  9. System #1 – Startup Activities/Motor Replacement – F&N Status
  10. System #1 – Damage Repairs – F&N Status
  11. System #1 – Substantial Completion Request – F&N/URS Status
  12. System #2 – Final Video Inspection – F&N Status
  13. System #1 – Access Road Gate – F&N Status
  14. System #1 – Electric Stickers – F&N Status
- System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (May 5 – May 11)
- Review submittal schedules and expedite approval
- Pending changes and substitutions
- New Business
  - Change Order #4 – NG/URS Approval Status
- Next meeting – TBD

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, MAY 19, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem
URS:	Kirk White (by telephone) , Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein Jason Falquacee

Safety Topic of Meeting

Kirk White introduced the timely topic of emergency planning at work and at home. Some of the following items were discussed.

- Emergency preparedness plans should be well conceived, thoroughly communicated and reinforced though practice drills to ensure the safety of the people in your office.
- Your region may not be susceptible to an earthquake or winter storm, but may instead be prone to a tornado or hurricane.
- Plan ahead for emergencies like fires, water main breaks or power outages which could happen anytime and anywhere.
- At home, planning depends on the type of emergency which is mostly likely to occur in your area. The basics include an evacuation plan with an assembly point and an emergency kit. All kits should contain certain essentials, including the following;
- Water
- Non-perishable food items
- First aid kit
- Battery powered radio and national weather radio with tone alert and extra batteries.

Patrick Van Rossem also introduced the subject of lifting objects safely. Some of the following items were discussed.

- Assess the object which is to be lifted. If the object appears to be too heavy, get help lifting it.
- Housekeeping is an essential part of moving objects. Always make sure that walkways are clear. Keep the workplace free of clutter.
- Barricade, cover, or fence off open excavations when working.

1. Review of minutes from May 12, 2011 meeting

- URS reported the final meeting minutes of May 5, 2011 will be resent to all parties.
- URS reported the final meeting minutes of May 12, 2011 will be sent out by the end of the week.

2. Open items from previous meeting

System No. 2 asbuilt plans

- URS requested a single CD be sent by F&N with all the pertinent documentation previously discussed.

System #1 LIPA work schedule

- NG reported speaking with the LIPA representative and that the backfill inside the gate behind the Atrium 200 building will be 100% complete by Saturday, May 21, 2011.
- F&N reported that they will check to make sure the backfill has been completed on Monday, May 23, 2011.
- NG requested that F&N schedule for the remainder of the landscape restoration work on Tuesday or Wednesday.

System #1 Concrete Restoration

- F&N reported the concrete curb restoration at Smith Street is tentatively schedule for the following week.

System #1 Landscape Restoration

- NG requested that there should be a seamless edge along the proposed sod line with the existing grass and that work be performed accordingly.

System #1 Flow Meter replacement

- URS requested that F&N assess the difficulty of replacing the existing flow meters.
- F&N reported that it would be difficult to replace the existing flow meters but that Matrix would be very reliable in performing the task.

System #1 Asphalt Marking Paint

- NG reported that they have received the asphalt marking paint estimate from F&N.
- NG requested URS report on the contractor's responsibility for the restoration of the asphalt marking paint.
- URS reported that according to the general work specifications, the contractor is responsible to replace any and all damaged areas within the work areas.

System #1 Damage Repairs

- NG reported that after contacting Matrix for warranty information, it was determined that a Matrix representative will come to System #1 and comb out the crimp age on the dryer radiator. This will restore the radiator grill uniformly subject to review by NG.

System #1 Substantial Completion Request

- URS requested that this item be taken off the open items list as it is covered by #1 on the agenda.

System #2 Final video inspection

- F&N reported that they will tentatively schedule the final video inspection for System #2 next week or wait for final landscape restoration of System #1.

System #1 Access Road Gate

- F&N reported that they have submitted a photo and price estimate subject to NG approval.
- NG reported that they will review and respond.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

URS noted that due to the recent rainy weather, the job site is very wet.

4. Revisions to construction schedule

- URS noted that the construction schedule is dependent upon weather conditions.

5. Progress during previous work period (May 5- May 11)

5-13-2011 Motor replacement was installed by manufacturer for System #1 via warranty. F&N was oversight to ensure proper handling.

5-16-2011Crushed all DOT 55-gallon drums and loaded in dump truck. Transported two (2) loads of crushed drums to Gershow Recycling Facility. Loaded dump truck with broken asphalt and loaded two (2) 550 gallon ASTs on trailer. Transported back to the F&N yard.

5-17-2011 Loaded dump truck with broken asphalt and fill. Transported three (3) loads back to the F&N yard. Backhoe was demobilized off National Grid staging area.

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5. Review submittal schedules and expedite approval O&M

- F&N requested information on the amount of copies needed for the O&M manual. It was determined after some discussion that four copies be made but is subject to change.

7. Pending changes and substitutions

No comments.

8. New Business

- NG requested information on items that are incomplete to date.
- URS reported that items such as the concrete curb restoration by Kobi Auto driveway, the landscape restoration behind the Atrium 200 building and landscaping along Atlantic and Hilton Avenue have yet to be completed. Also, the fence installation matching up to the existing fence behind the medical building and up to the end of the sidewalk, the proposed gate on the access road up to System #1. The replacement of the permanent fence at the Atrium 200 building and the asphalt paint striping have yet to be completed.
- URS noted that this may not be the total list pending further review.
- The next scheduled meeting is to be held on Wednesday, May 25, 2011 @ 12:30 PM.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem

K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Thursday May 19, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of May 12, 2011 Meeting
  - Final Minutes of May 5, 2011 Meeting
- Open items from previous meeting
  1. System #2 & #1 – As-built Plans/Close-Out Documents – F&N/URS Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Concrete Restoration – F&N Status
  4. System #1 – Landscape Restoration – F&N/NG Status
  5. System #1 – Flow Meter Replacement – URS/NG Status
  6. System #1 – Asphalt Marking Paint Restoration – URS/NG Status
  7. System #1 – Damage Repairs – URS/NG Status
  8. System #1 – Substantial Completion Request – F&N/URS Status
  9. System #2 & #1 – Final Video Inspection – F&N Status
  10. System #1 – Access Road Gate – F&N Status
- System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (May 12 – May 18)
- Review submittal schedules and expedite approval
  - O&M Manual
- Pending changes and substitutions
- New Business
- Next meeting – TBD

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

WEDNESDAY, MAY 25, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Jason Falquecee

Safety Topic of Meeting

Jason Falquecee introduced the topics of operating heavy equipment in the workplace, and learning from incidents. Some of the following topics were discussed.

- While operating heavy equipment in the workplace, all operators should read the operator's manual and perform an equipment safety checklist.
- Training and experience on any heavy equipment should be considered prior to an operator entering the heavy equipment.
- Operators must ensure that traveled ways are clear of obstructions prior to proceeding with equipment or vehicles.
- Requiring site specific assessments and tool box safety talks will aid in the identification and mitigation of unidentified hazards.
- It is critical to stay a safe distance away from moving parts and pinch points.
- Rules should be established prior to the energizing of any moving equipment or drill rigs with regards to communicating with the operator.
- Damaged equipment, even though it may still serve its intended purpose, must be thoroughly evaluated and /or repaired prior to returning to service.

1. Review of minutes from May 19, 2011 meeting

- URS reported that they are waiting for a response for the draft minutes from F&N.
- F&N reported a no comment on the draft.

- URS reported the final minutes will be sent out accordingly.

2. Open items from previous meeting

System No. 2 asbuilt plans/Close out documents

- F&N reported that they have contacted the engineering firm for the submittal of the final asbuilt plans. F&N is waiting for a response back from the engineering firm.
- NG requested that the asbuilt plans be submitted ASAP.

System #1 LIPA work schedule

- NG reported that LIPA is expected to complete the remainder of work outside system #1 area in the near term.

System #1 Concrete Restoration

- F&N reported that Kobi Auto Body declined to have the concrete curb driveway area restored.

System #1 Landscape Restoration

- F&N reported that the sod restoration is complete for System #1.
- NG requested that F&N complete the remainder of the landscape restoration by the end of the week.
- F&N reported that the landscape restoration will be complete with the exception of the additional fence items which have to be special ordered.

System #1 Flow Meter replacement

- URS reported that the flow meters will be replaced by a Matrix representative pending a definitive schedule.

System #1 Asphalt Marking Paint

- F&N reported that they will restore the asphalt marking paint and will schedule accordingly.

System #1 Damage Repairs

- NG requested that F&N assist NG with scheduling Matrix to repair dryer radiator.

System #2 Final video inspection

- F&N reported the final video inspection will be scheduled tentatively for Friday of next week.
- NG requested that F&N supply the date and time prior to the final video inspection so that a representative can be available for the inspection.

System #1 Access Road Gate

- F&N reported that the installation of the access road gate for System #1 is schedule for June 2, 2011.
- NG requested that the final video inspection also be scheduled for the same date.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

URS reported that the sprinklers behind the Atrium 200 building may or may not be working and that they be observed on a daily basis. URS requested that F&N monitor the sod and plantings accordingly.
NG reported that they are currently trying to contact the property owner to schedule a sprinkler system check by the sprinkler system company.

4. Revisions to construction schedule

No comments.

5. Progress during previous work period (May 19-May 24)

F&N reported that there was no work scheduled from May 19-May 23.

5-24-2011 Dug out manholes of injection wells (OW-1-3, OW-1-16D, OW-1-19S & OW-1-12S) to locate and identify leaks.
Performed soap test and made any repairs that were necessary. Backfilled the open areas. Adjusted the flow rate on all of the banks and secured extra lines on unused flow meters. Silvestri Landscaping was onsite and raked and graded the LIRR right of way behind the Atrium property. They began to install the sod up to the fence by Atlantic Avenue.
Silvestri Landscaping also replanted three (3) trees along the fence inside the LIRR right of way. Continued to lay sod along Hilton Avenue.

.

5. Review submittal schedules and expedite approval

O&M

- URS reported that they will approve the Owner's Manual as noted.

7. Pending changes and substitutions

No comments.

8. New Business

- URS requested that the permanent fence to be installed behind System #1 be schedule ASAP and for F&N to provide a schedule for the remainder of the work to be performed by the end of today.
- NG requested that if at all possible, all work is to be scheduled and completed by end of day Thursday, June 2, 2011.
- Next weekly meeting is scheduled for Thursday, June 2, 2011 @ 12:30 PM.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Wednesday May 25, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of May 19, 2011 Meeting
- Open items from previous meeting
  1. System #2 & #1 – As-built Plans/Close-Out Documents – F&N/URS Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Concrete Restoration – F&N Status (Scheduled 5-25-11)
  4. System #1 – Landscape Restoration – F&N/NG Status
  5. System #1 – Flow Meter Replacement – URS/NG Status
  6. System #1 – Asphalt Marking Paint Restoration – F&N Status
  7. System #1 – Damage Repairs – URS/NG Status
  8. System #2 & #1 – Final Video Inspection – F&N Status (Tentatively 5-27-11)
  9. System #1 – Access Road Gate – F&N Status (Tentatively Scheduled 6-2-11)
- System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (May 19 – May 24)
- Review submittal schedules and expedite approval
  - O&M Manual
- Pending changes and substitutions
- New Business
- Next meeting – TBD

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

THURSDAY, JUNE 2, 2011, 12:30 PM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein Jason Falquacee

Safety Topic of Meeting

Kirk White introduced the safety topic which was referred by Pat Van Rossem. The safety item discussed was Avoiding Ticks and First Aid for Tick Bites. The following items were discussed.

- Ticks can be found in wooded, grassy or brushy areas, and can transmit diseases such as Lyme disease, Rocky Mountain spotted fever, Tularemia, and Ehrlichiosis.
- They are blood sucking creatures that attack humans, dogs, cats, and other animals.
- Ticks are reddish brown to dark brown in color, and range in size from 1/16" to 1/8".
- They are flat in shape, but when engorged with blood, they become round and increase in size up to ½" in diameter.
- They can live for up to 18 months without food or water, and when they do find a suitable host, some remain attached for up to 15 days.
- Deer ticks in the East and Black-Legged Ticks in the West both transmit Lyme disease, which is caused by a microorganism inside the tick.

First aid for tick bites:

- Grasp the tick close to its head or mouth with tweezers. Do not use your bare fingers. If needed, use a tissue or paper towel. Do not use alcohol or a hot match to remove the tick.
- Pull it straight out with a slow and steady motion. Avoid squeezing or crushing the tick. Be careful not to leave the head embedded in the skin. If all parts of the tick cannot be removed, seek medical help.
- Clean the area thoroughly with soap and water. A first aid antiseptic is recommended as well. Wash your hands thoroughly.

1. Review of minutes from May 25, 2011 meeting

- URS reported the draft minutes from May 25, 2011 will be updated and final minutes will be sent pending daily report updates from F&N.

2. Open items from previous meeting

System No. 2 asbuilt plans

- F&N reported submitting a set of drafted plans for System #1 subject for review.
- F&N reported that they are continuing to work on the total package of documentation for submittal.

System #1 LIPA work schedule

- NG reported that LIPA work is ongoing in the area of Atlantic Avenue but is nearing completion for the underground utility work.

System #1 Landscape Restoration

- F&N reported that the subcontractor has removed a dead Skip Laurel and will replace the plant on Monday, June 06, 2011.
- F&N reported that approximately 400 square feet of sod will need to be restored behind the Atrium 200 building due to a failure of one of the sprinklers malfunction.
- NG requested URS report on the sprinkler failure.
- URS reported that the landscape contractor and F&N were made aware of the sprinkler malfunction at the time of installation.
- F&N reported that they will investigate and report back.
- F&N reported that the remainder of fence work and the installation of the farm gate are to take place on Monday, June 06, 2011.

System #1 Flow Meter replacement

- F&N reported that a Matrix representative will be on site to replace the flow meters on Monday, June 06, 2011.

System #1 Asphalt Marking Paint

- F&N reported contacting a striper to complete the stop bar and the driveway asphalt strip. F&N reported that they are awaiting a response from the striper for a scheduled time and date to be confirmed.

System #1 Damage Repairs

- F&N reported that a Matrix representative will be on site on Monday, June 06, 2011 for damage repairs.

System #2 Final video inspection

- F&N reported the final video inspection is scheduled tentatively for Tuesday, June 7, 2011 @ 9:00AM.

System #1 Access Road Gate

- F&N reported that the installation is schedule for Monday, June 06, 2011.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- NG reported that the large Junipers planted at System #1 have browned out on the tips. NG reported that under advisement from Silvestri landscaping this was normal from the initial shock from being planted.
- NG requested that URS review the common planting areas behind the Atrium 200 building for any signs of damage.
- NG requested the warning signs be delivered if at all possible on Monday or Tuesday and be installed accordingly.

4. Revisions to construction schedule

No comments.

5. Progress during previous work period (May 25 – June 1)

5-25-2011 loaded dump truck with asphalt and set up to saw cut gutter curb along Smith Street. Decision was made by
Kobi property owner to not cut and replace. Kobi property owner made the decision to leave concrete sidewalk as is.
Cleaned up materials in the Intersection Street staging yard. Silvestri Landscaping was onsite and Completed all sod work in the LIRR right of way and along Hilton Avenue.

5-26-2011 loaded dump truck with asphalt to transport out of the Intersection Street staging yard. Installed fence posts set
in concrete at the Atrium property by Atlantic Avenue. Attempted to re-install fence by Atlantic Avenue but

needed additional parts. Fence was temporarily put back together and closed. Saw-cut along Smith Street in
front of Kobi property was filled in with sikaflex. Cleaned up the Intersection Street staging yard.

5-27-2011Transported chain link fence parts to the work site and re-installed the fence on the Atrium property by Atlantic
Avenue. Observed pressure readings from each Injection Point and made any necessary adjustment to the flow
rate. Took O2 readings from the Monitoring Points. Raked out top soil areas next to the shed. Picked up garbage from fence areas and transported back to the Intersection Street staging yard for disposal.

5-31-2011 set up and filled water tank. Transported the filled water tank to the work area, and water all areas of sod and
bushes/trees along the Atrium property. Saw-cut and removed one (1) concrete sidewalk flag along Hilton Avenue. Transported broken concrete to the Intersection Street staging yard. Created concrete form and poured one (1) concrete sidewalk flag. Set up barricades and secured the area.

6-1-2011Set up and filled water tank. Transported the filled water tank to the work area, and watered all areas of sod and
bushes/trees along the Atrium property. Removed forms from sidewalk area located on Hilton Avenue. Back
filled all holes with common fill and raked out the grass area. Completed re-installing the fence on the Atrium
Property by Atlantic Avenue. Put warning signs on the system #1 shed. Repainted various manholes located on
Smith Street. Cleaned up the work area.

6. Review submittal schedules and expedite approval

- URS requested more information on the installation of the barbed elbows at System #1.
- F&N reported that the elbows were substituted for the straight barbed connectors and there was no cost difference.
- F&N reported that the Skip Laurel will be replaced on Monday, June 06, 2011.
- URS reported that they will confirm the replacement on Monday, June 06, 2011.
- URS reported that they will check the dimensions of the asphalt installation on Monday, June 06, 2011 and report.

7. Pending changes and substitutions

No comments.

8. New Business

- NG reported that a new soil analysis may or may not be required and that further investigation is needed to verify.

- NG requested that URS review the soil analysis to determine if the analysis is acceptable for use for the soil removal for System #1 or a new analysis be performed.
- The next meeting will be on Tuesday, June 7, 2011 @10:30 AM.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Thursday June 2, 2011, 12:30 PM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of May 25, 2011 Meeting
- Open items from previous meeting
  1. System #2 & #1 – As-built Plans/Close-Out Documents – F&N/URS Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Landscape Restoration – F&N Status
  4. System #1 – Flow Meter Replacement – Scheduled 6-6-11
  5. System #1 – Asphalt Marking Paint Restoration – F&N Status
  6. System #1 – Damage Repairs – Scheduled 6-6-11
  7. System #2 & #1 – Final Video Inspection – F&N Status (Tentatively 6-6-11)
  8. System #1 – Access Road Gate – F&N Status (Completion Scheduled 6-6-11)
- System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (May 25 – June 1)
- Review submittal schedules and expedite approval
  - Payment Application #14 (System #1) & Payment Application #15 (System #2)
- Pending changes and substitutions
- New Business
- Next meeting – TBD

MEETING MINUTES
WEEKLY PROGRESS MEETING
HEMPSTEAD INTERSECTION STREET MGP
OFF-SITE GROUNDWATER TREATMENT

TUESDAY, JUNE 7, 2011, 10:30 AM

SITE TRAILER, INTERSECTION ST., HEMPSTEAD, NY

AGENDA: Attached

ATTENDEES:

National Grid	Patrick Van Rossem, James Christman
URS:	Kirk White , Jon Sundquist (by telephone)
Fenley & Nicol:	Matt Schieferstein Jason Falquacee

Safety Topic of Meeting

Kirk White introduced the safety topic on poison ivy and how to identify it. Some of the following items were discussed.

- Poison ivy can be identified by the three shiny leaves on a vine. Usually it is wrapped around the base of trees and fences as it is climbing ivy.
- Poison ivy in the winter can be identified by its brown hairy like vine. While it is not as active as in summer, you can still have an allergic reaction if contacted in the winter.
- If contact is made with the plant, immediately wash the area with warm water and soap.

1. Review of minutes from June 2, 2011 meeting

- URS reported the final minutes will be sent out pending comments from F&N.

2. Open items from previous meeting

System No. 2 asbuilt plans

- F&N reported they will continue to work on the close out documentation and are waiting on comments from the asbuilt plans previously submitted.

System #1 LIPA work schedule

- NG reported that LIPA work is ongoing in the area of Atlantic Avenue but is nearing completion for the underground utility work.

System #1 Landscape Restoration

- F&N reported that the landscape restoration for System #1 has been completed.
- NG requested information on the sod replacement in the LIRR behind the Atrium 200 building.
- NG reported that they will speak to a LIPA representative for restoration in their work areas.

System #1 Flow Meter replacement

- F&N reported that the flow meters at System #1 have been replaced 6-7-2011.

System #1 Asphalt Marking Paint

- F&N reported that the asphalt marking paint was installed 6-3-2011.

System #1 Damage Repairs

- URS reported that a Matrix representative repaired the fins on the dryer radiator as best as possible and the spacing on the fins is better but not like new.
- NG reported that after inspection, the radiator appears to be acceptable.

System #2 Final video inspection

- F&N reported the final video inspection for System #2 and System #1 has been completed on 6-7-2011.

System #1 Access Road Gate

- F&N reported that the access road gate was installed on 6-6-2011.
- NG requested that a thicker chain be installed on the access road gate.

3. System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards

- URS reported that there is an existing wet spot on the Southeast side of the old access gate on Atlantic Avenue. URS requested that F&N investigate.

4. Revisions to construction schedule

- F&N reported that the O&M for System #1 and System #2 will be scheduled for every two weeks, preferably on Thursdays and Fridays.

5. Progress during previous work period (June 2 – June 7)

6-02-2011 Silvestri Landscape was on site and installed fence posts at the bottom of the access roadway to the System #1
shed. Fence posts were located at the dead-end of Wendell Street and set in concrete. Fence to be installed
after the posts are set.

6-07-2011 F&N inspected all sprinkler heads located within the LIRR right of way and checked for nozzles. Four (4)
sprinkler heads were replaced. Silvestri Landscape was onsite and replaced the dead sod located in the LIRR
right of way. Chain link fence was installed as was the gate at the dead-end of Wendell Street. Matrix was onsite to replace the flow meters inside the System #1 shed.

6-07-2011 Matrix was onsite to replace the flow meters inside the System #1 shed. Raked out mulch areas on the hillside
in the LIRR right of way. Raked out and added top soil around the newly installed monitoring wells. Seeded the
area and watered. Readjusted sprinkler heads on Atlantic Avenue. Repaired broken sprinkler head located on
Atlantic Avenue. Secured the O-2 Lines within the System #1 Shed.

6. Review submittal schedules and expedite approval

- URS reported that they will approve the submittals for applications #14 and #15.

7. Pending changes and substitutions

No comments.

8. New Business

Concrete compressive strength

- F&N reported that the documentation of the reports from the second batch of concrete showed a compressive strength average of over 4,000 PSI. F&N produced the report.
- URS requested more information on the Village of Hempstead codes and confirmation that all of the concrete installed was in the Village of Hempstead.

- URS requested that F&N investigate with the subcontractor as to why the first batch differs from the second in compressive strength.
- F&N agreed to investigate.

Soil Disposal

- NG requested an opinion on the soil analysis from URS and F&N.
- URS indicated that the existing analysis is from System #2.
- F&N reported that the clean material could be brought for landfilling or to Hicksville, based on National Grid's preference.
- F&N reported that there are six to eight 40 ton truckloads of stockpiled soil.
- NG indicated that it would investigate and make a decision.

Atrium 200 Landscaping and sprinklers

- F&N reported that the landscape plantings around System #1 were in a change order and therefore not subjected to the original plan specifications.
- NG and URS did not agree with this.
- There was a general discussion and request for a plan for watering the plants at System #1. [F&N- the plants look stressed- any watering during O&M, and any watering Plan yet after we were able to get access to the spigot from adjacent apt. bldg at 115 Atlantic Ave.?]
- F&N reported that they will submit a price to NG for the sod replacement.
- NG requested that the price for the sod replacement and watering the plants be bundled together.

Prepared and Distributed by:

Kirk White, URS

cc: P. Van Rossem
K. White
M. Schieferstein
J. Sundquist
J. Christman
L. Sawicki

Meeting Agenda
Hempstead Intersection Street MGP
Off-Site Groundwater Treatment

Tuesday June 7, 2011, 10:30 AM

Site Trailer, Intersection Street, Hempstead, NY

- Safety Moment
- Review Minutes of June 2, 2011 Meeting
- Open items from previous meeting
  1. System #2 & #1 – As-built Plans/Close-Out Documents – F&N/URS Status
  2. System #1 – LIPA Work – NG Status
  3. System #1 – Landscape Restoration – F&N Status
  4. System #1 – Flow Meter Replacement – F&N Status
  5. System #1 – Asphalt Marking Paint Restoration – Completed 6-3-11
  6. System #1 – Damage Repairs – F&N Status
  7. System #2 & #1 – Final Video Inspection – F&N Status
  8. System #1 – Access Road Gate – F&N Status
  9. System #1 – Soil Disposal – NG/URS Status
- System #1 Field observations, problems which will/may impede construction schedule and proposed corrective action, conflicts, and maintenance of quality and safety standards
- Revisions to construction schedule
- Progress during previous work period (June 2 – June 6)
- Review submittal schedules and expedite approval
  - Payment Application #14 (System #1) & Payment Application #15 (System #2)
  - Change Order #5 Approval
  - RFI #9
- Pending changes and substitutions
- New Business
  - Concrete Compressive Strength
  - Atrium 200 Sprinklers & LIRR ROW Watering
- Next meeting – TBD

APPENDIX C

QUALITY CONTROL DOCUMENTATION:
BORING LOGS
WELL DEVELOPMENT LOGS
PRESSURE TESTING LOGS
SOIL DENSITY AND CONCRETE TESTING

BORING LOGS

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

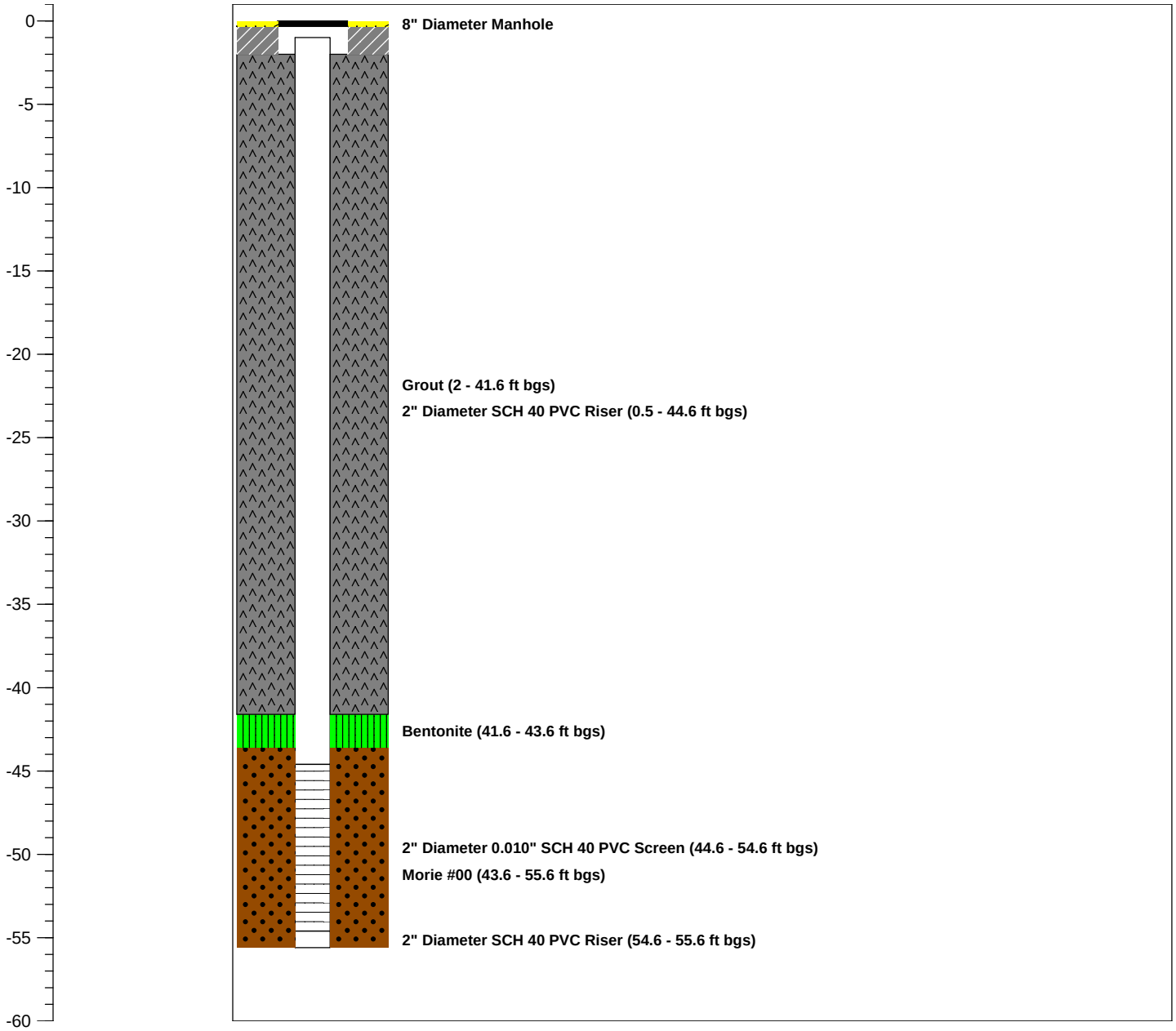
TOTAL DEPTH: **55.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **4.5"**

WELL NO.: **HIMW-24**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **4/28/11**
Driller: **Barry Rummell**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

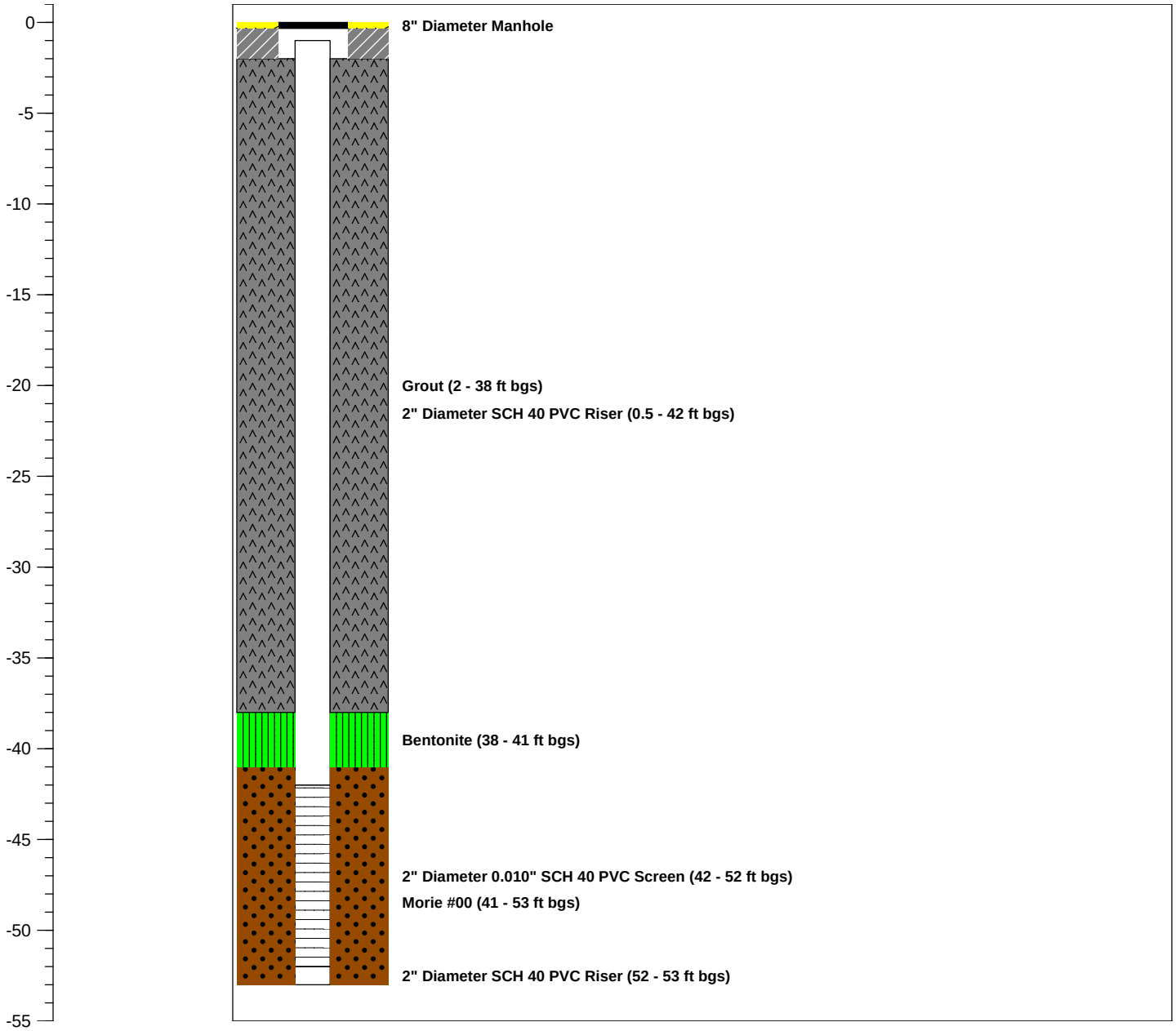
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**53'**	WELL NO.:	**HIMW-25**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**4.5"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**4/28/11**	Sampling Method:	-
Driller:	**Barry Rummell**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: **The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.**

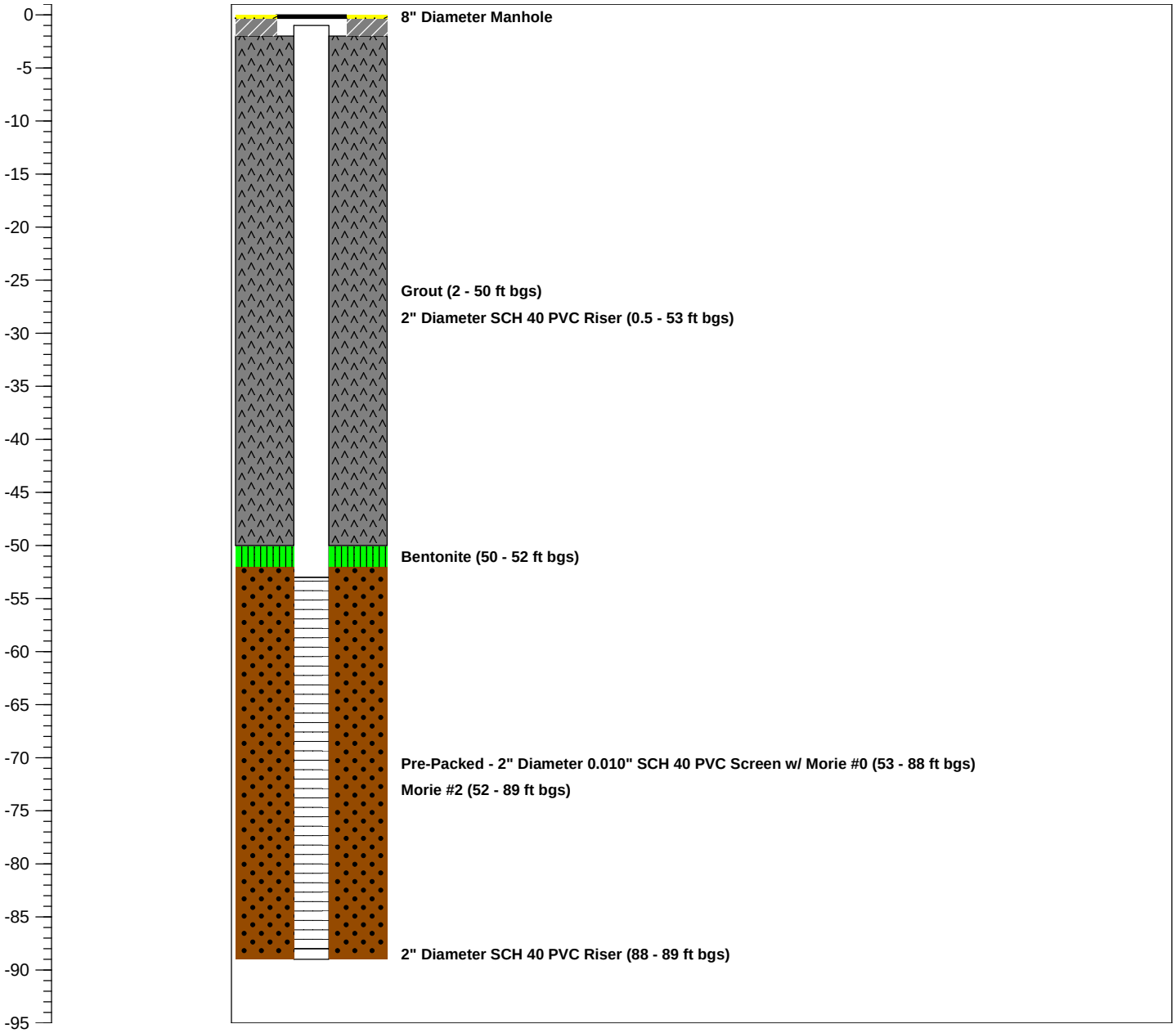
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**89'**	WELL NO.:	**MP-1-1D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**8"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Hollow Stem Auger**
Dates Drilled:	**1/11/11**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**CME-55LC**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

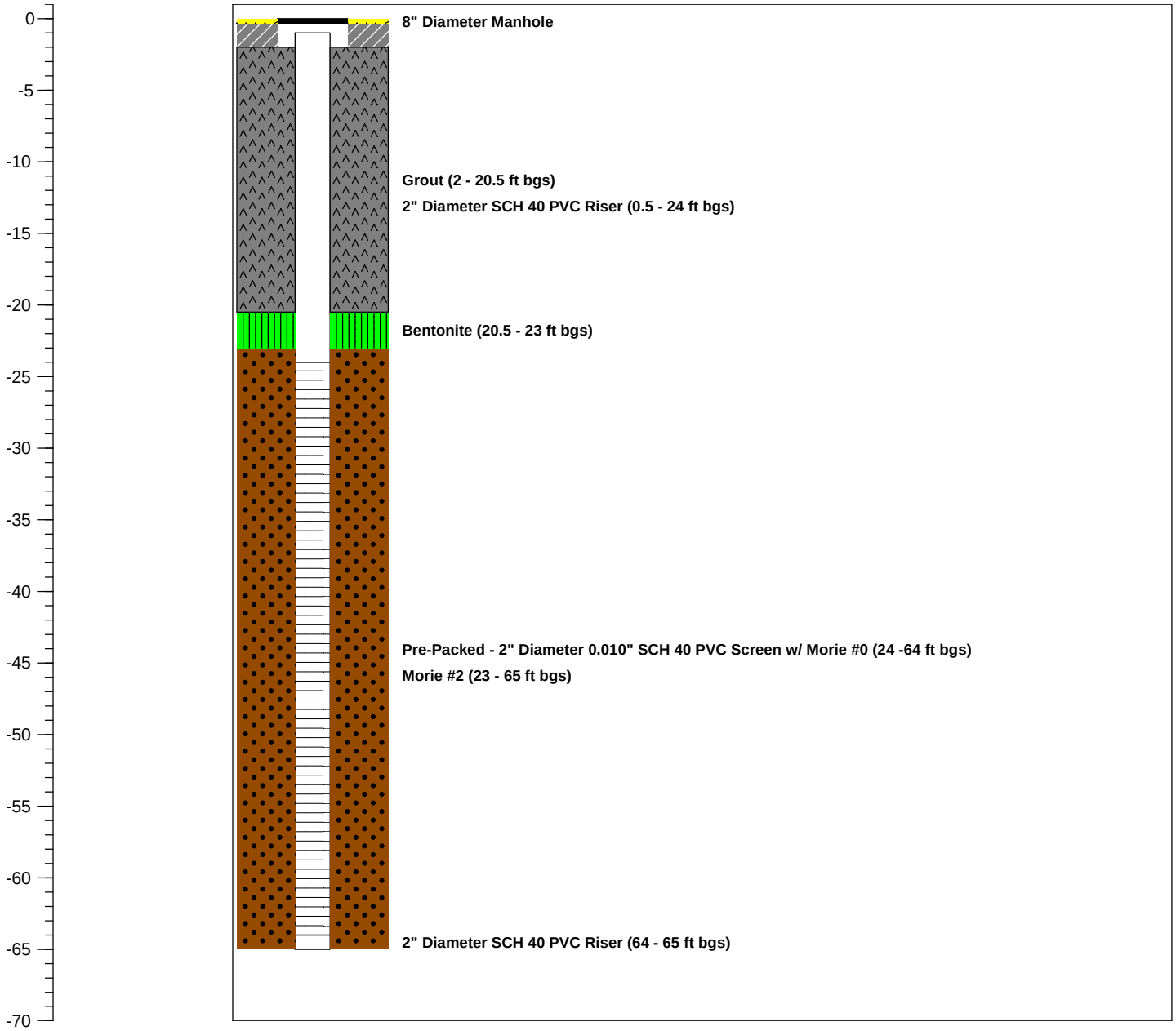
TOTAL DEPTH: **65.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **4.5"**

WELL NO.: **MP-1-1S**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: **-**
Dates Drilled: **1/5/11**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

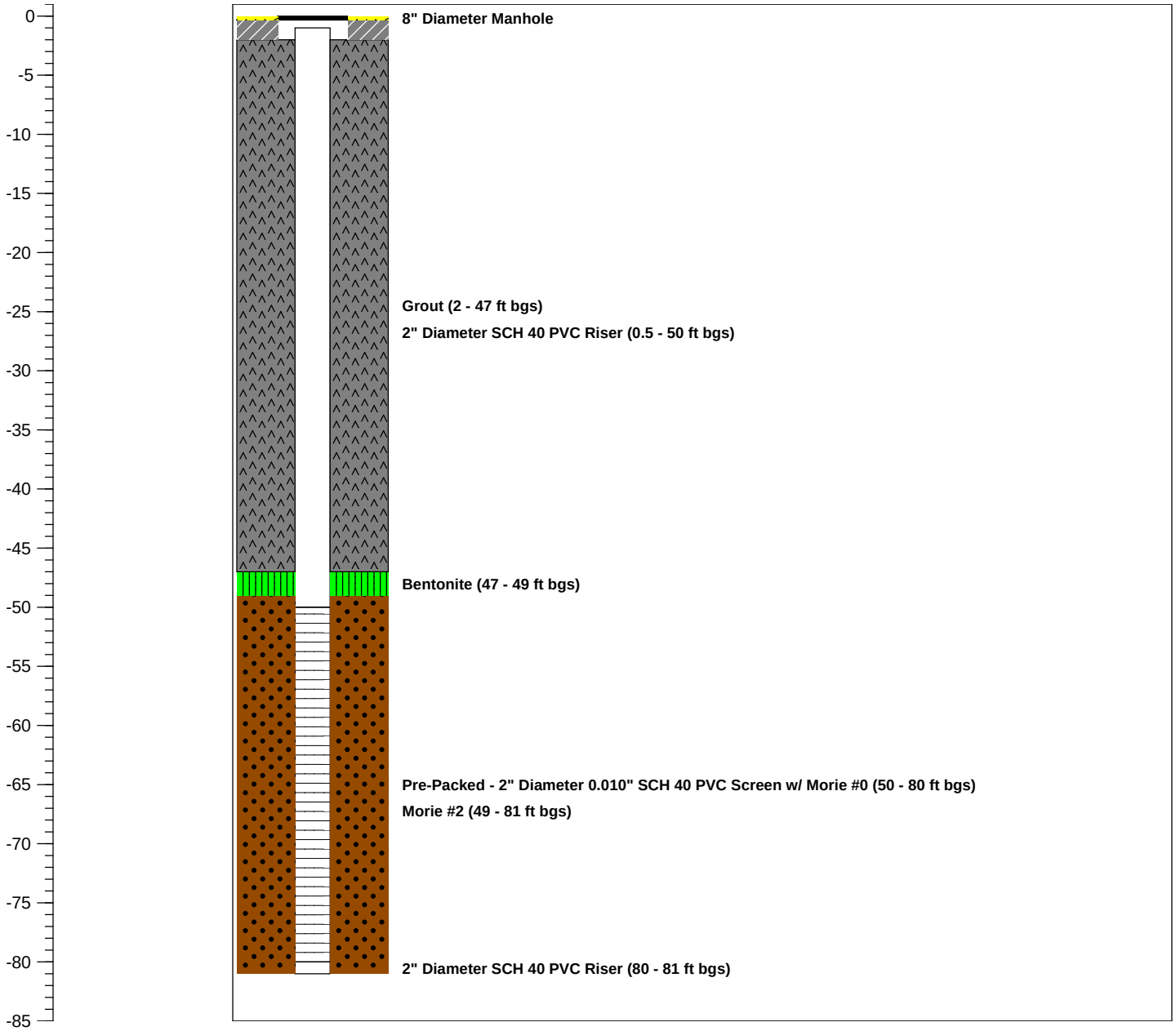
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**		
ADDRESS:	**National Grid** **Hempstead, New York**		
JOB #:	**1002955**		
TOTAL DEPTH:	**81'**	WELL NO.:	**MP-1-2D**
WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
BOREHOLE DIA.:	**8"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Hollow Stem Auger**
Dates Drilled:	**1/10/11**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**CME-55LC**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

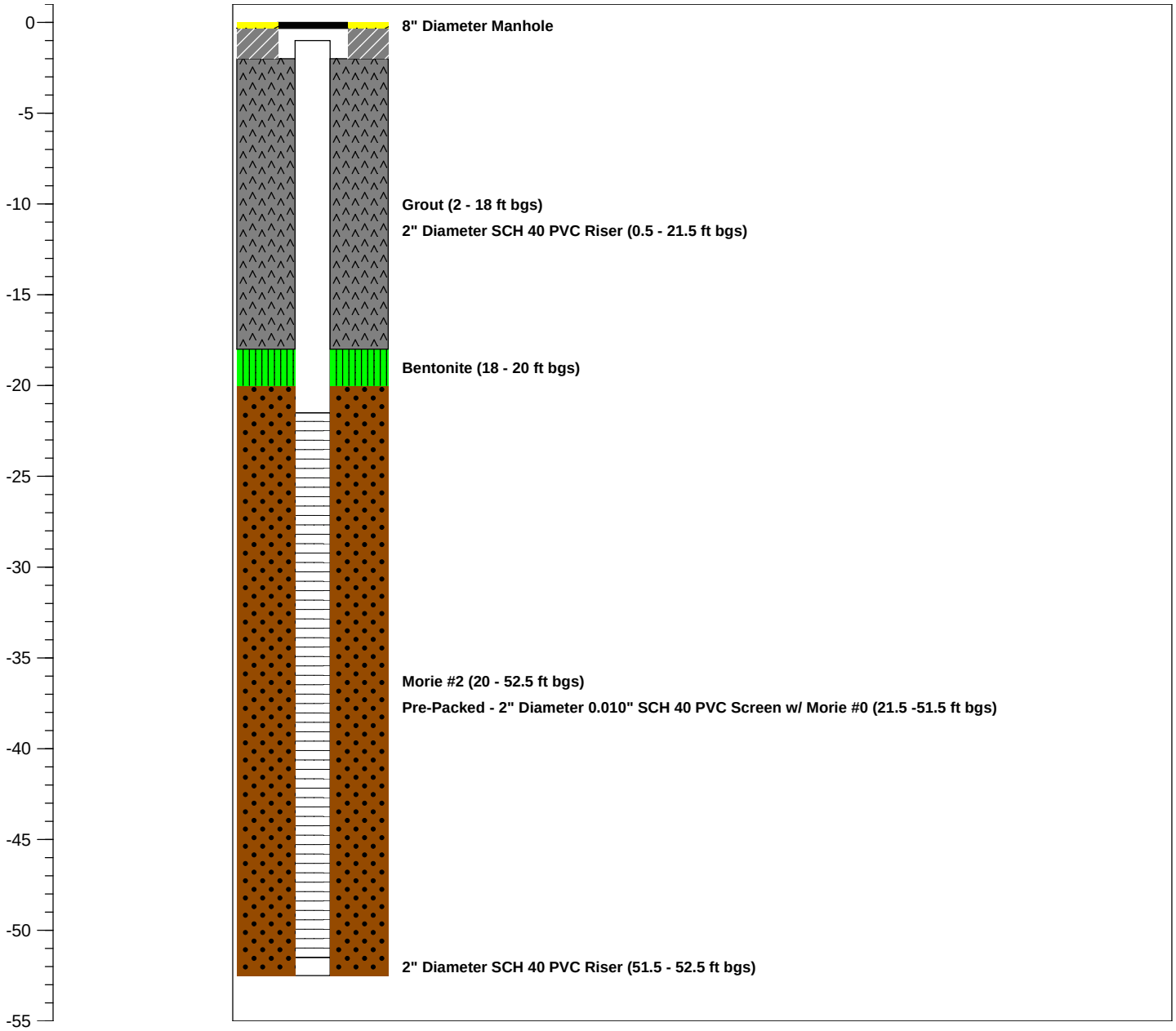
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**52.5'**	WELL NO.:	**MP-1-2S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**4.5"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**1/6/11**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

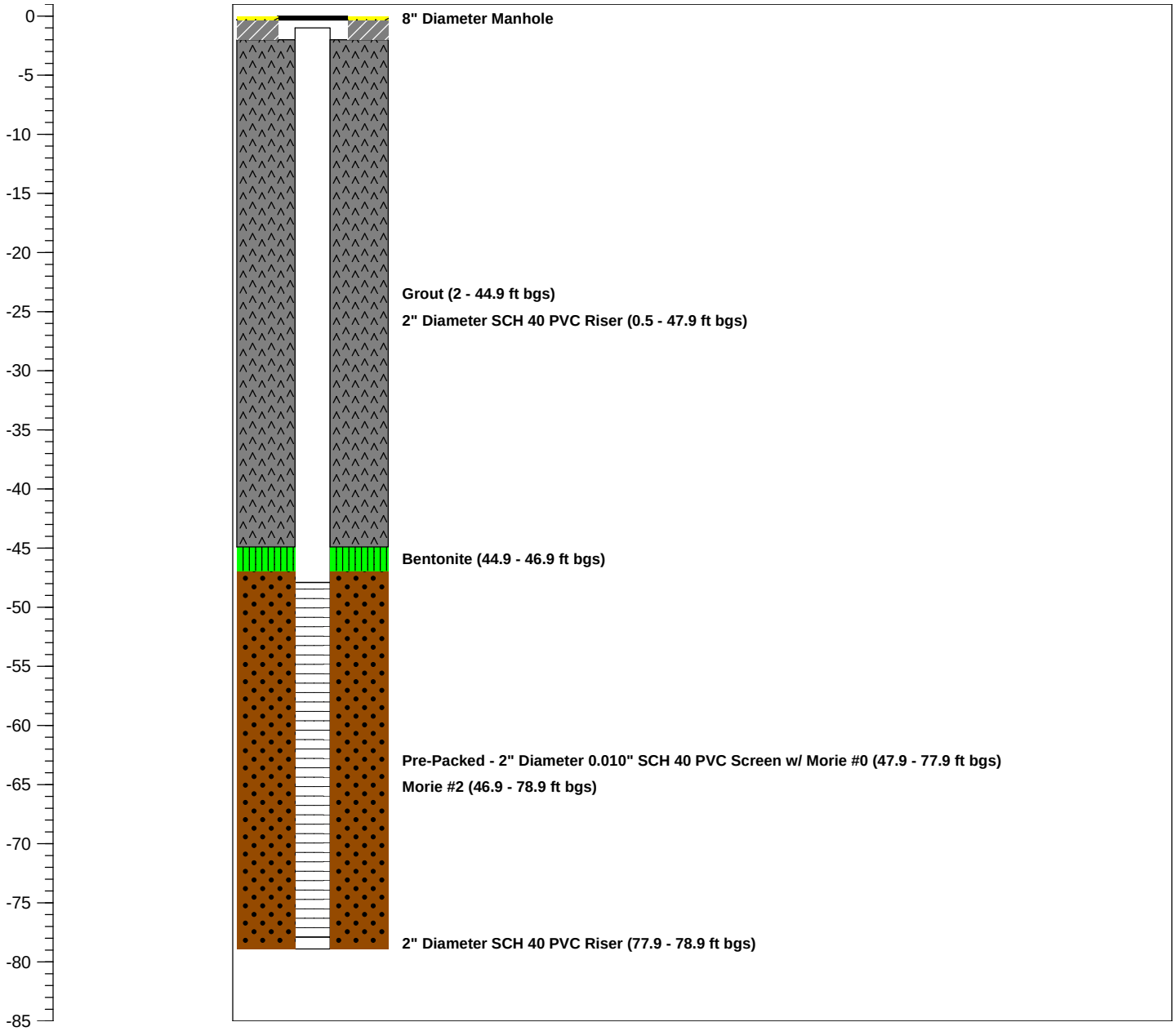
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**78.9'**	WELL NO.:	**MP-1-3D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**8"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Hollow Stem Auger**
Dates Drilled:	**1/13/11**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**CME-55LC**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

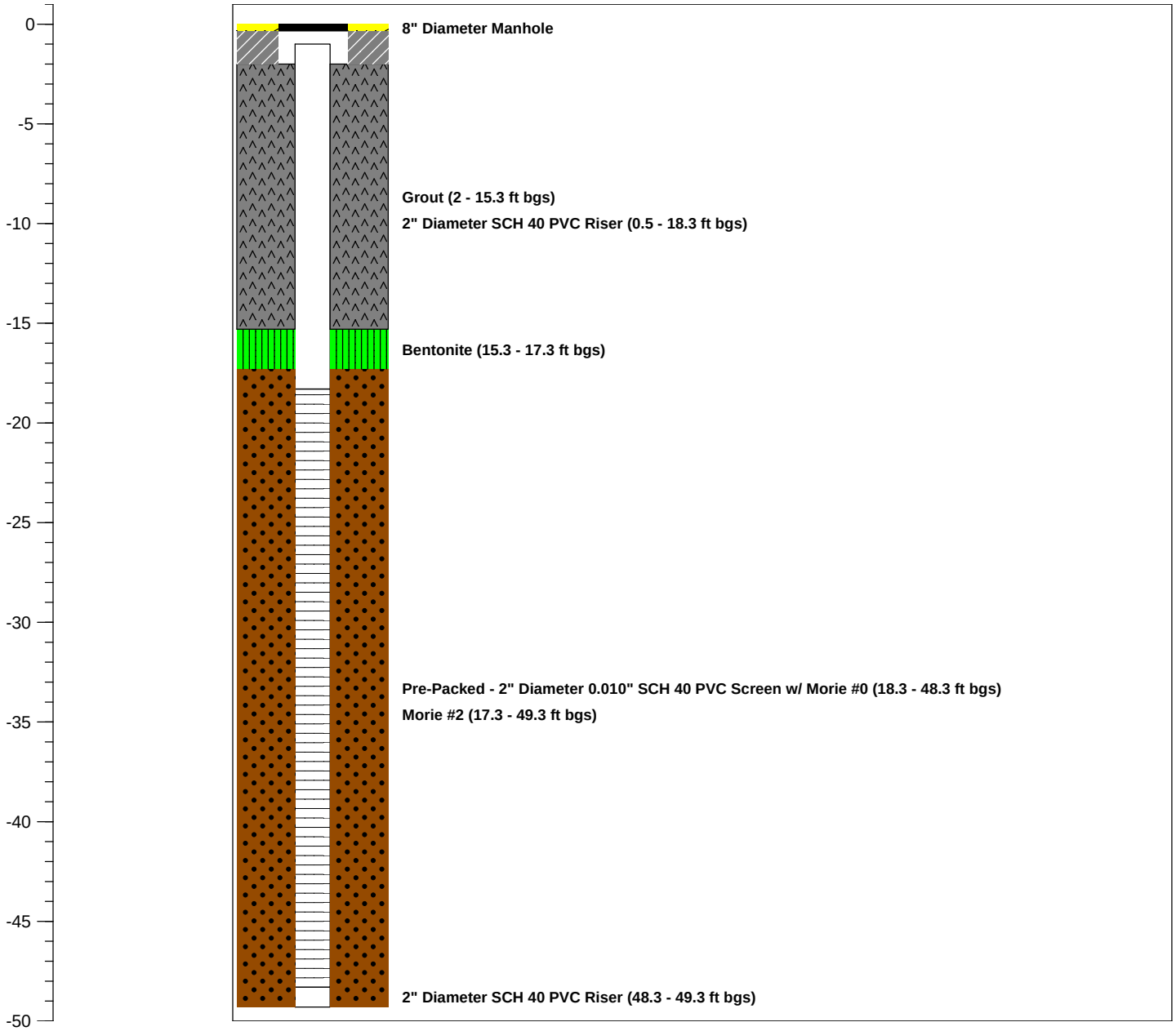
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**49.3'**	WELL NO.:	**MP-1-3S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**4.5"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/2/10**	Sampling Method:	-
Driller:	**Barry Rummell**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: **The hole was advanced to the target depth using 4.5 inch casing with a disposable point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.**

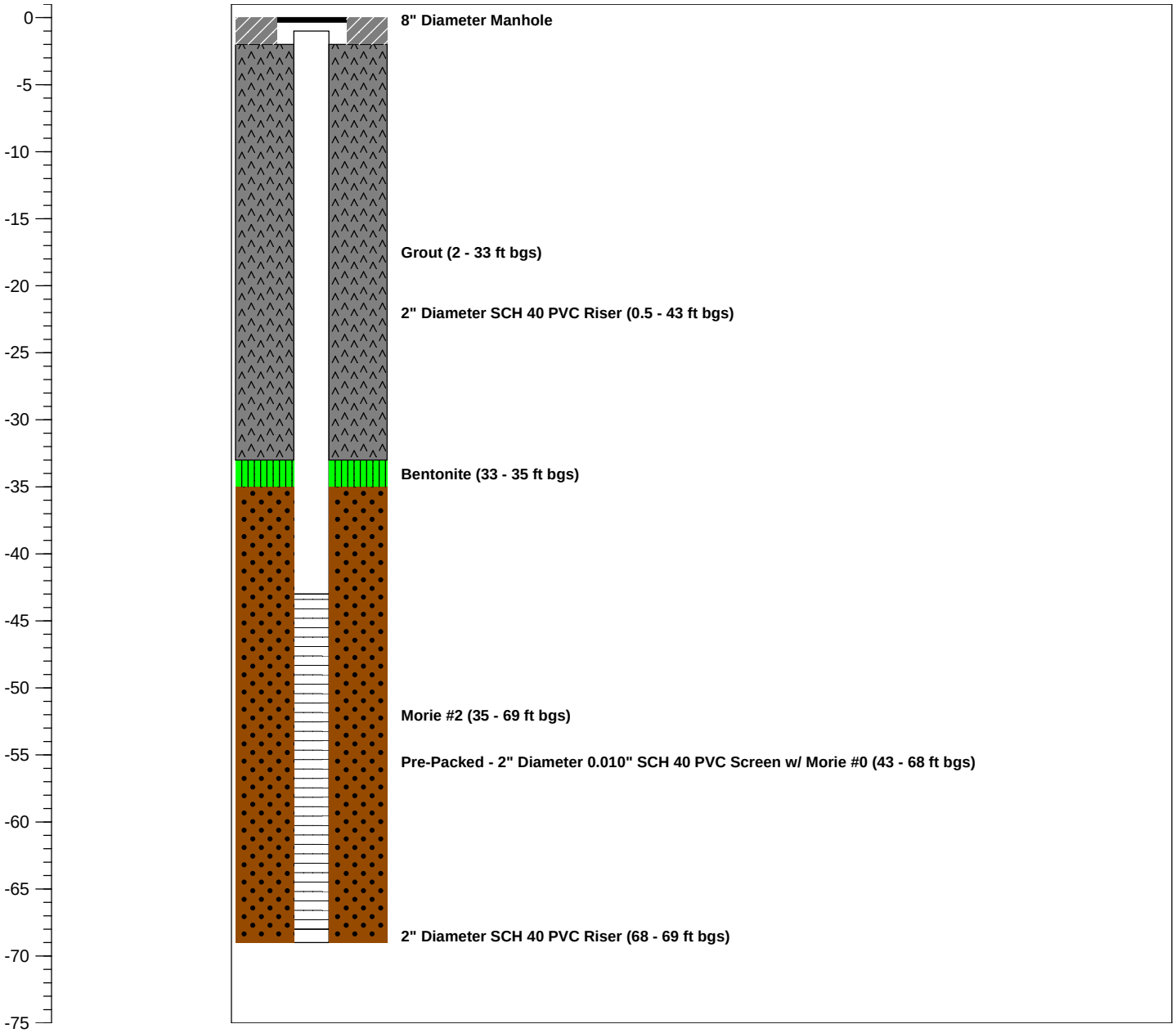
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**69.0'**	WELL NO.:	**MP-1-4D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**4.5"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/1/10**	Sampling Method:	-
Driller:	**Barry Rummell**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

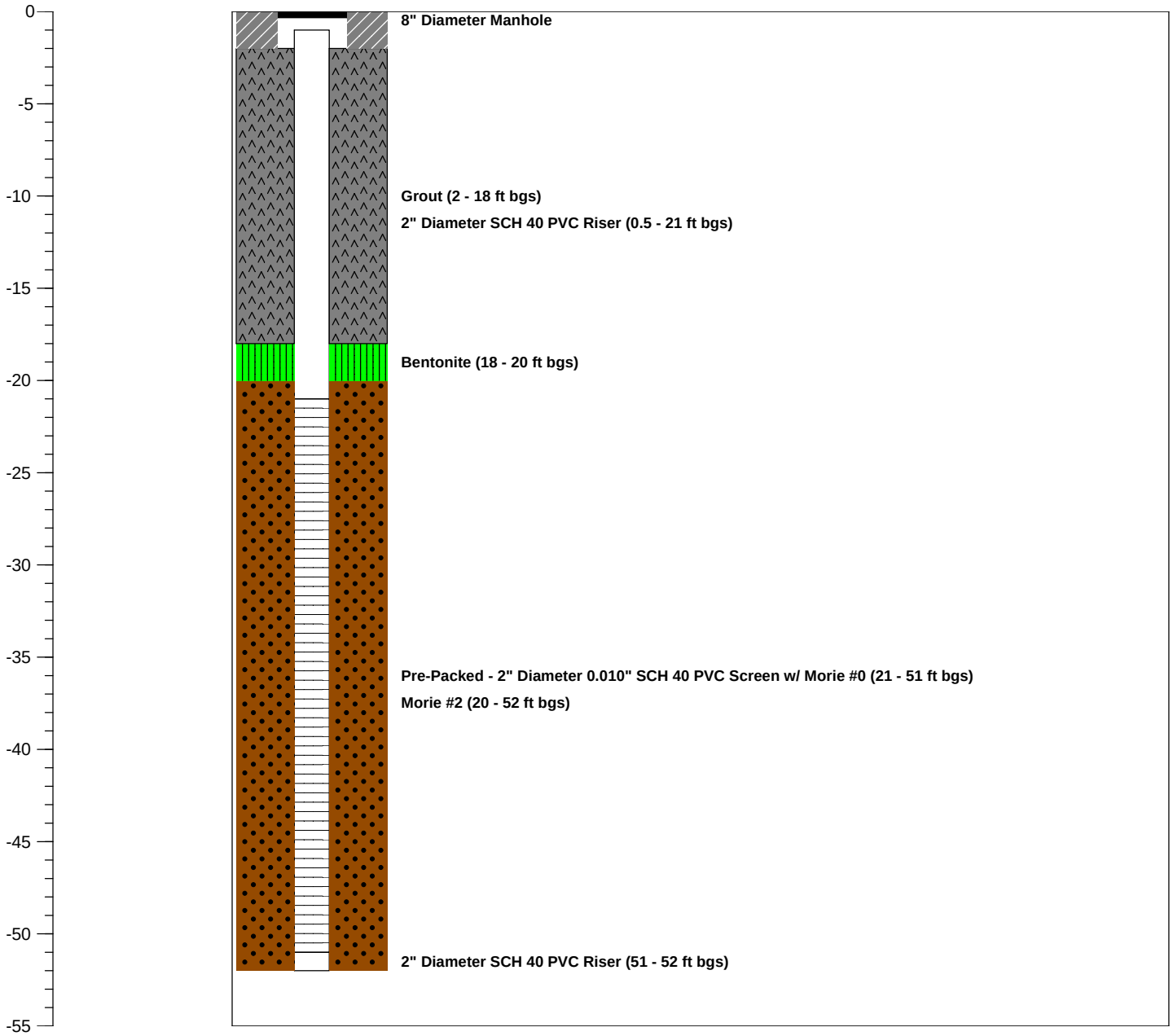
TOTAL DEPTH: **52'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **4.5"**

WELL NO.: **MP-1-4S**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: **-**
Dates Drilled: **12/1/10**
Driller: **Barry Rummell**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

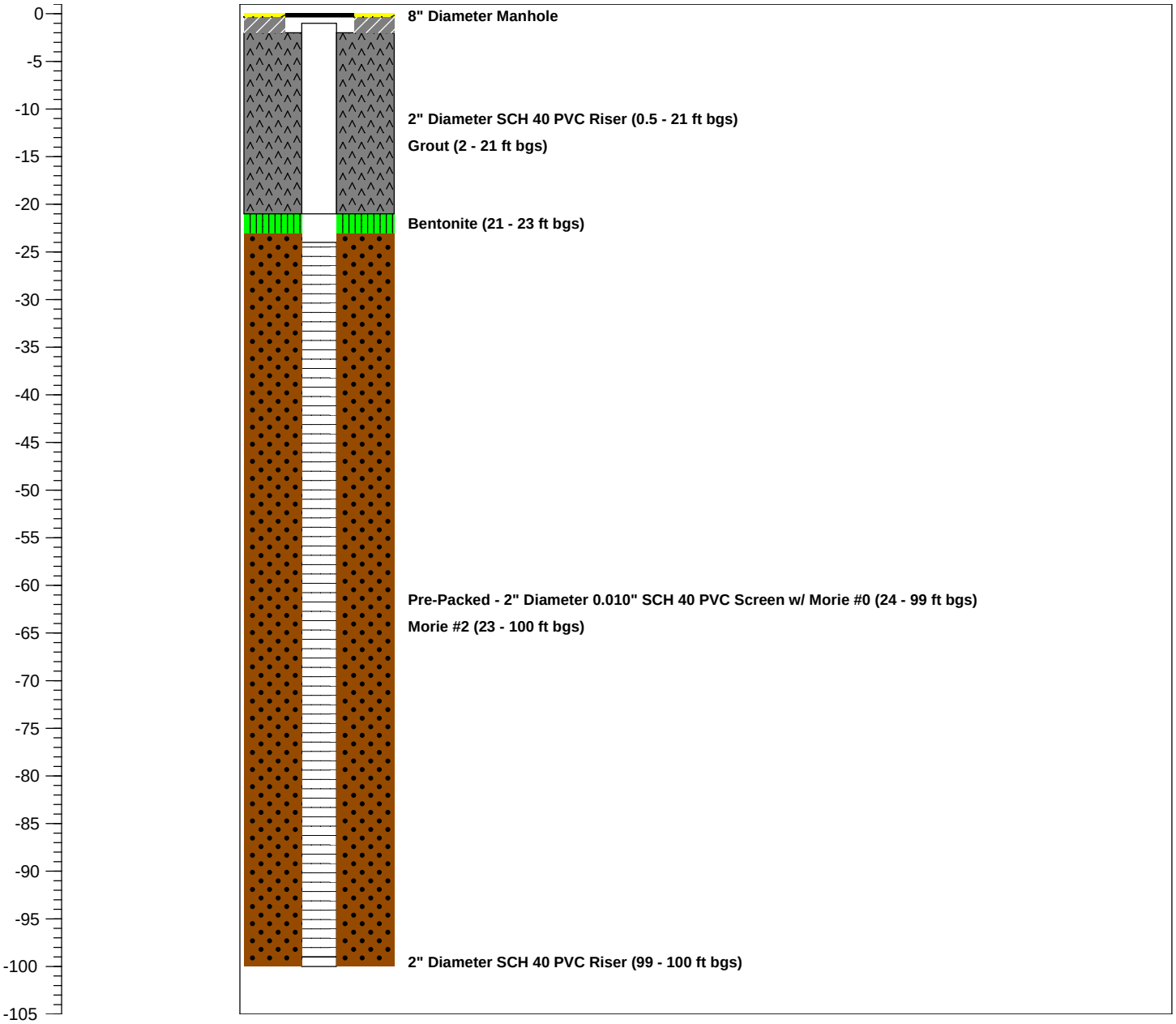
TOTAL DEPTH: **100'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **MP-1-5**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **1/18/11**
Driller: **Mark Schock**
Drill Rig Type: **CME-55LC**

Drilling Method: **Hollow Stem Auger**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

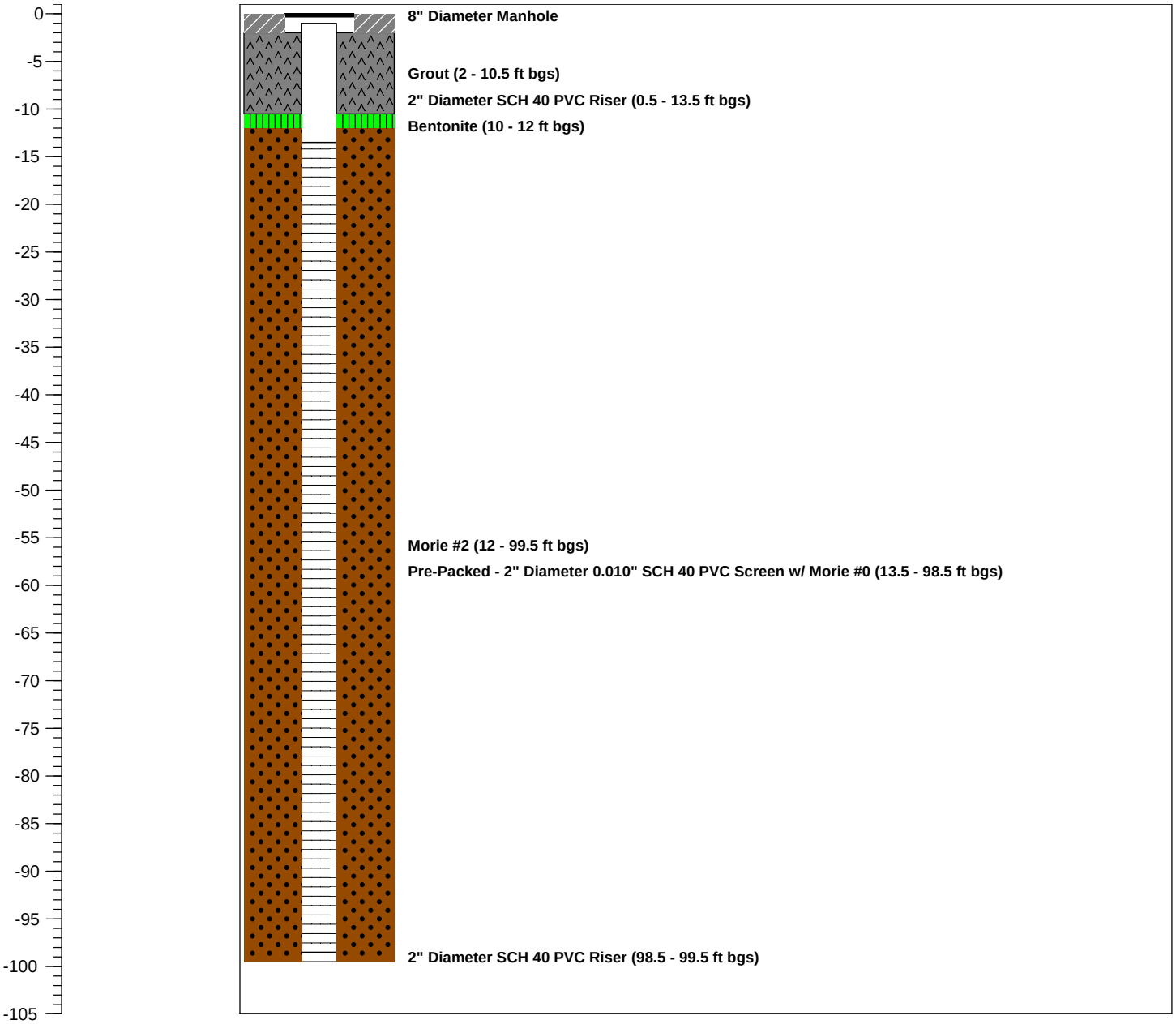
TOTAL DEPTH: **99.5**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **MP-1-6**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **1/17/11**
Driller: **Mark Schock**
Drill Rig Type: **CME-55LC**

Drilling Method: **Hollow Stem Auger**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

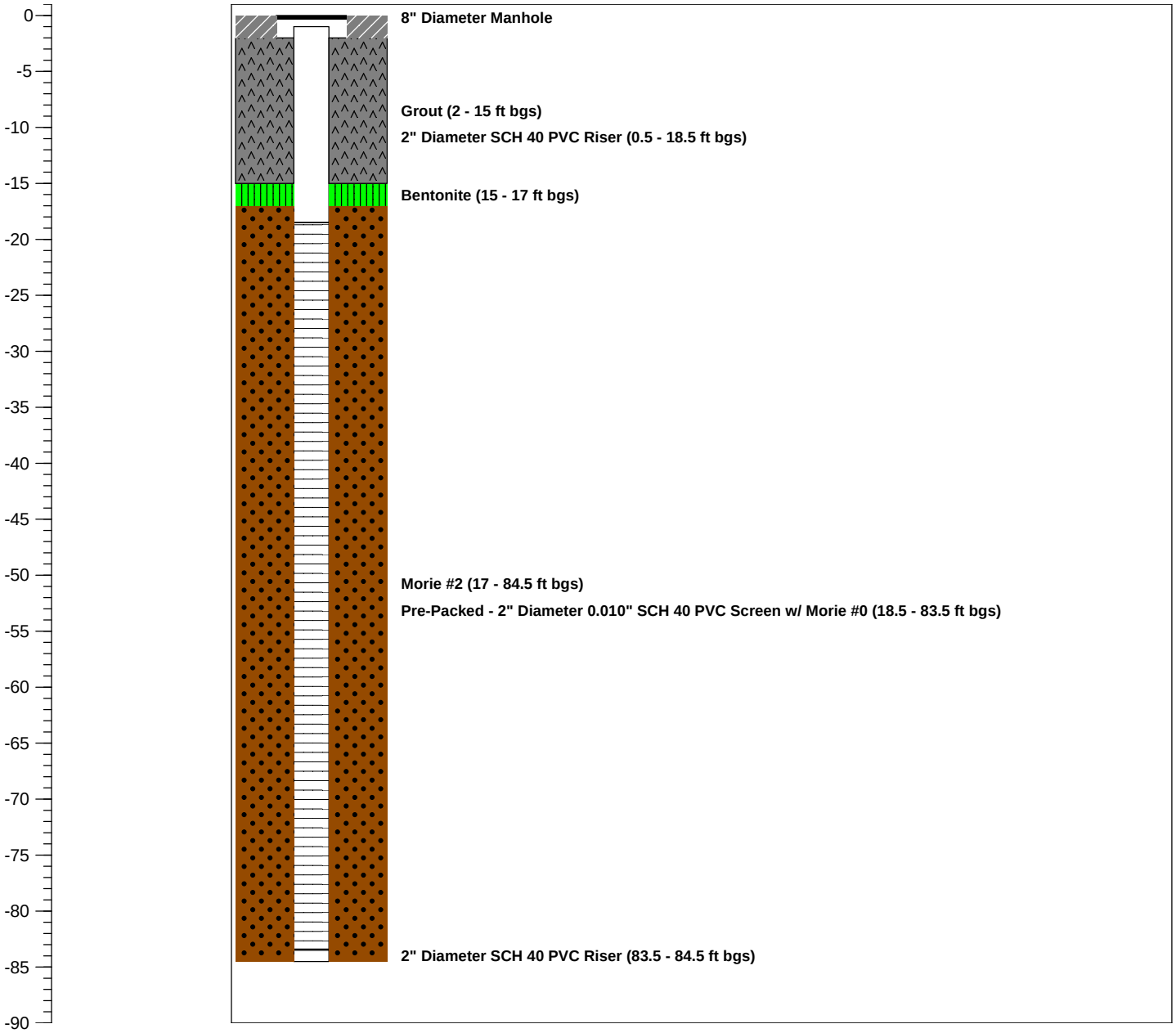
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**84.5'**	WELL NO.:	**MP-1-7**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**8"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Hollow Stem Auger**
Dates Drilled:	**1/5/11**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**CME-55LC**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

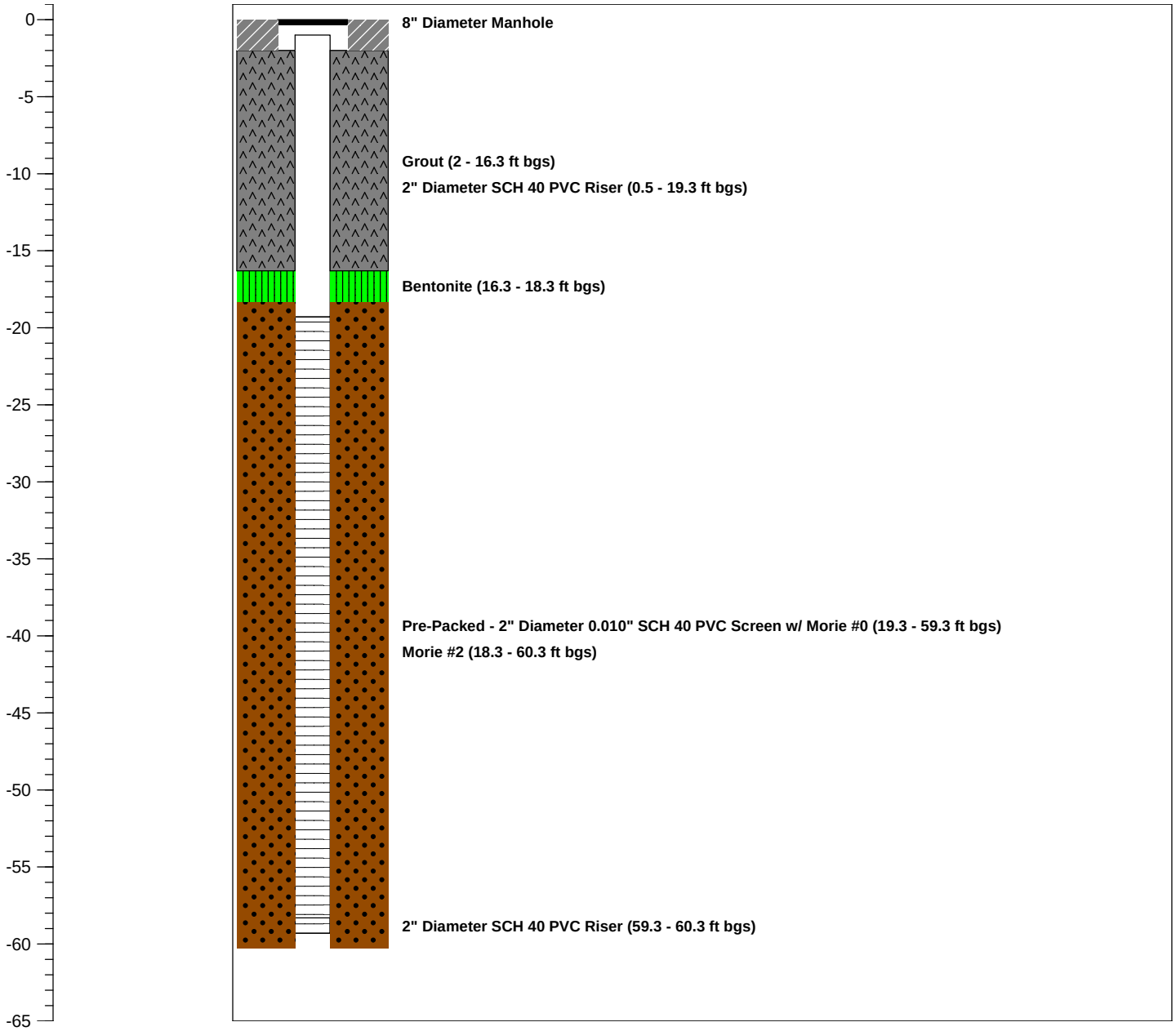
TOTAL DEPTH: **60.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **4.5"**

WELL NO.: **MP-1-8**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: **-**
Dates Drilled: **1/6/11**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

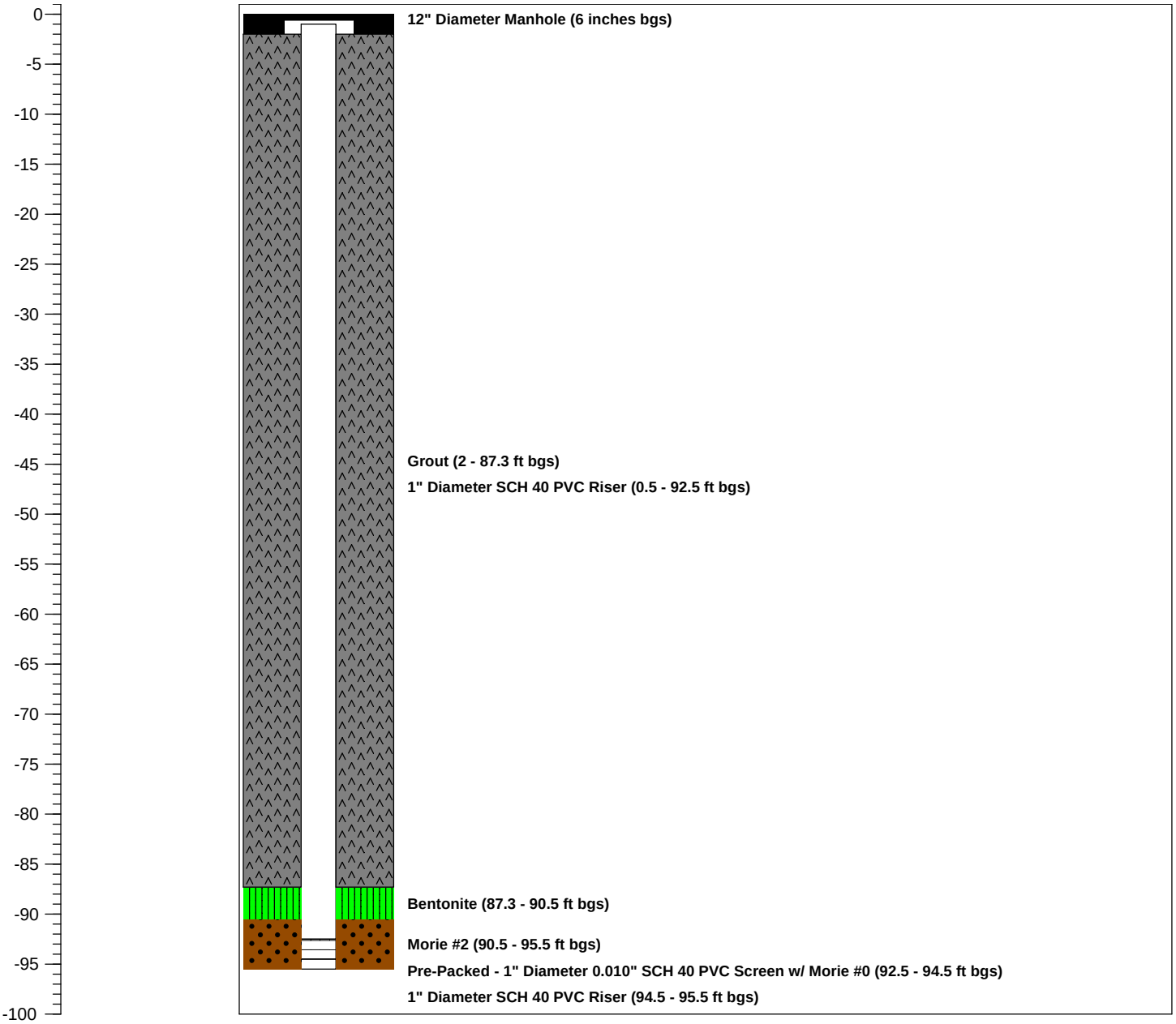
TOTAL DEPTH: **95.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-1**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **1/4/11**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

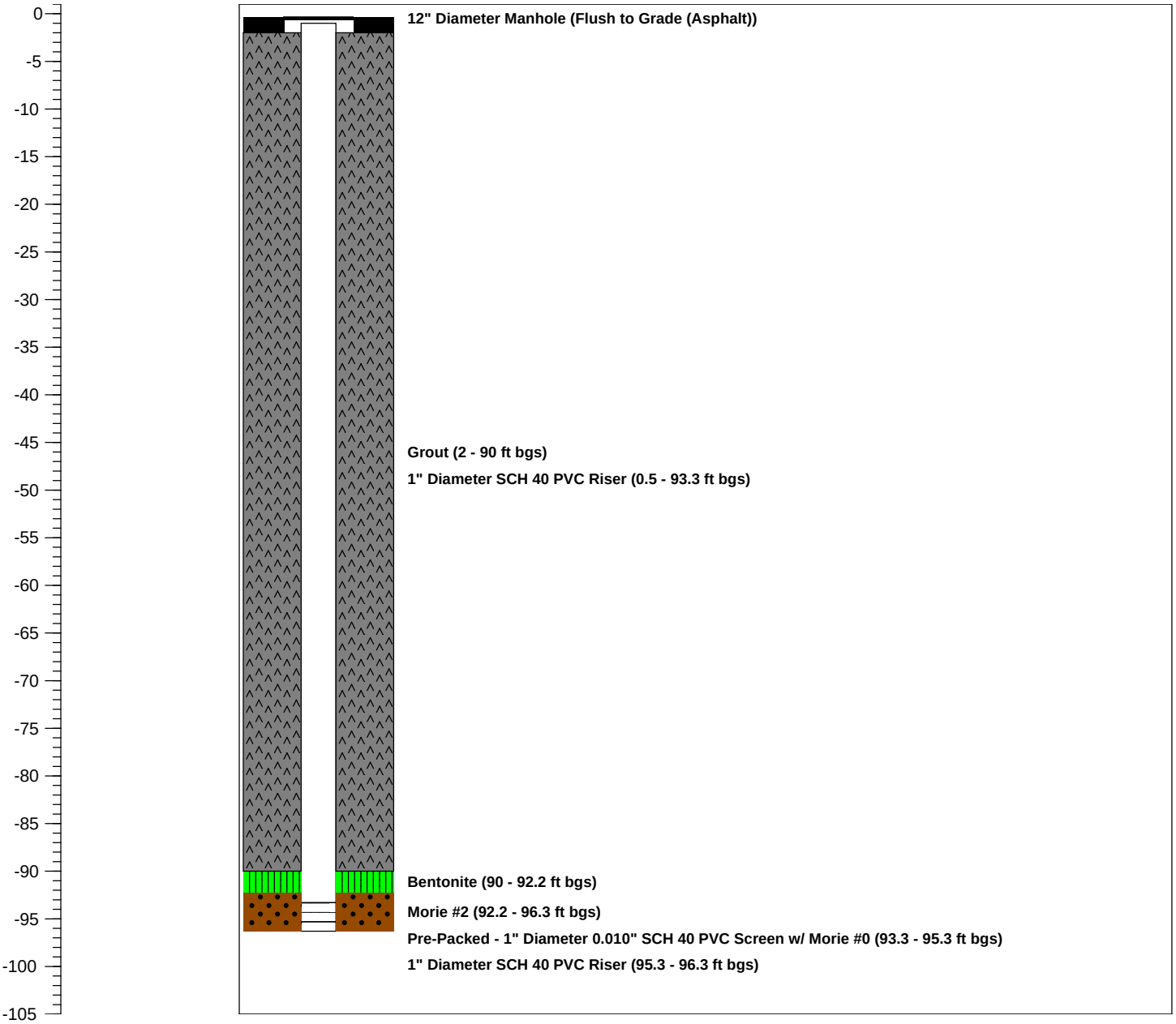
TOTAL DEPTH: **96.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-2**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **1/3/11**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

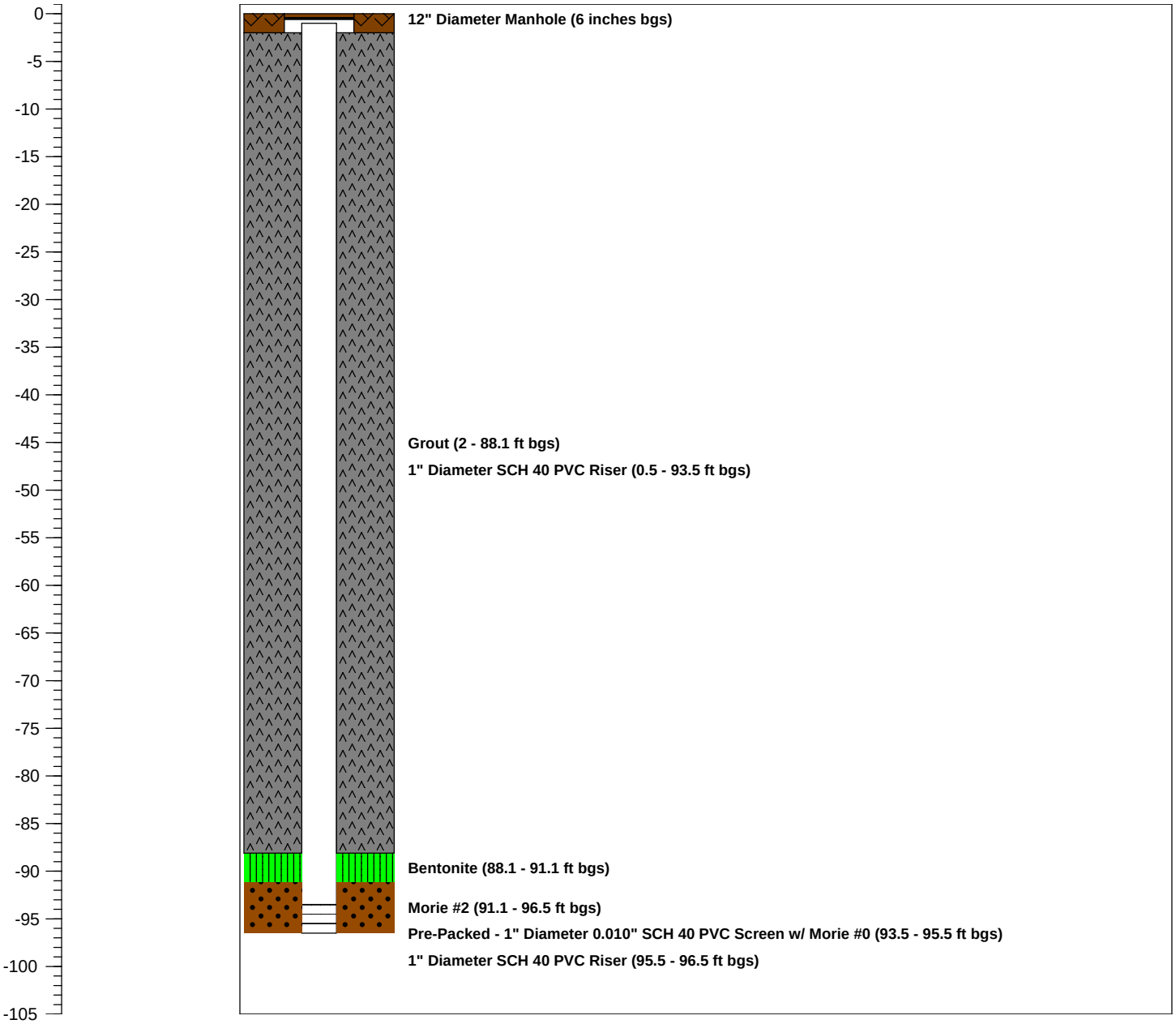
TOTAL DEPTH: **96.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-3**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **1/3/11**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

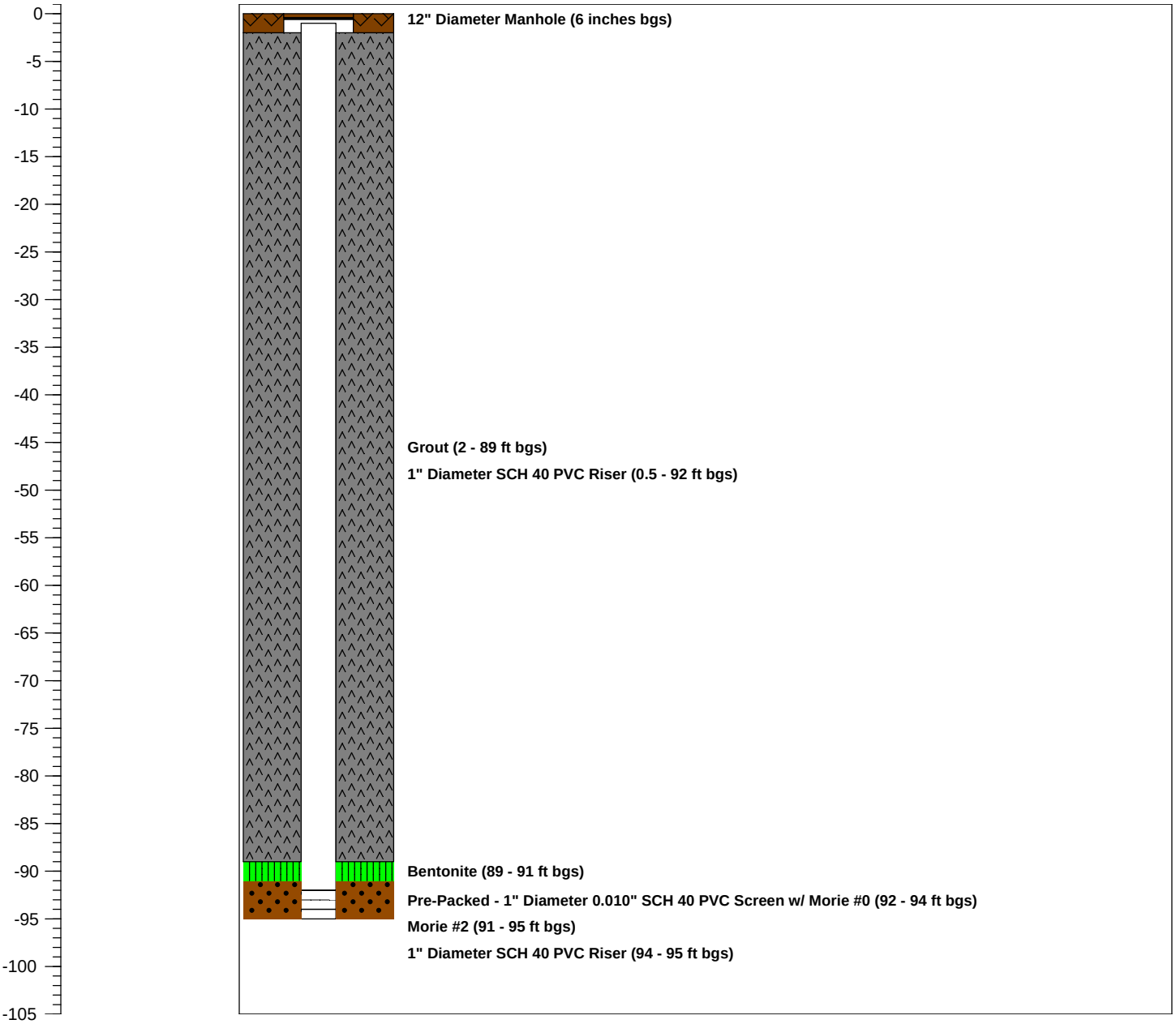
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**95.0'**	WELL NO.:	**OW-1-4**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/8/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

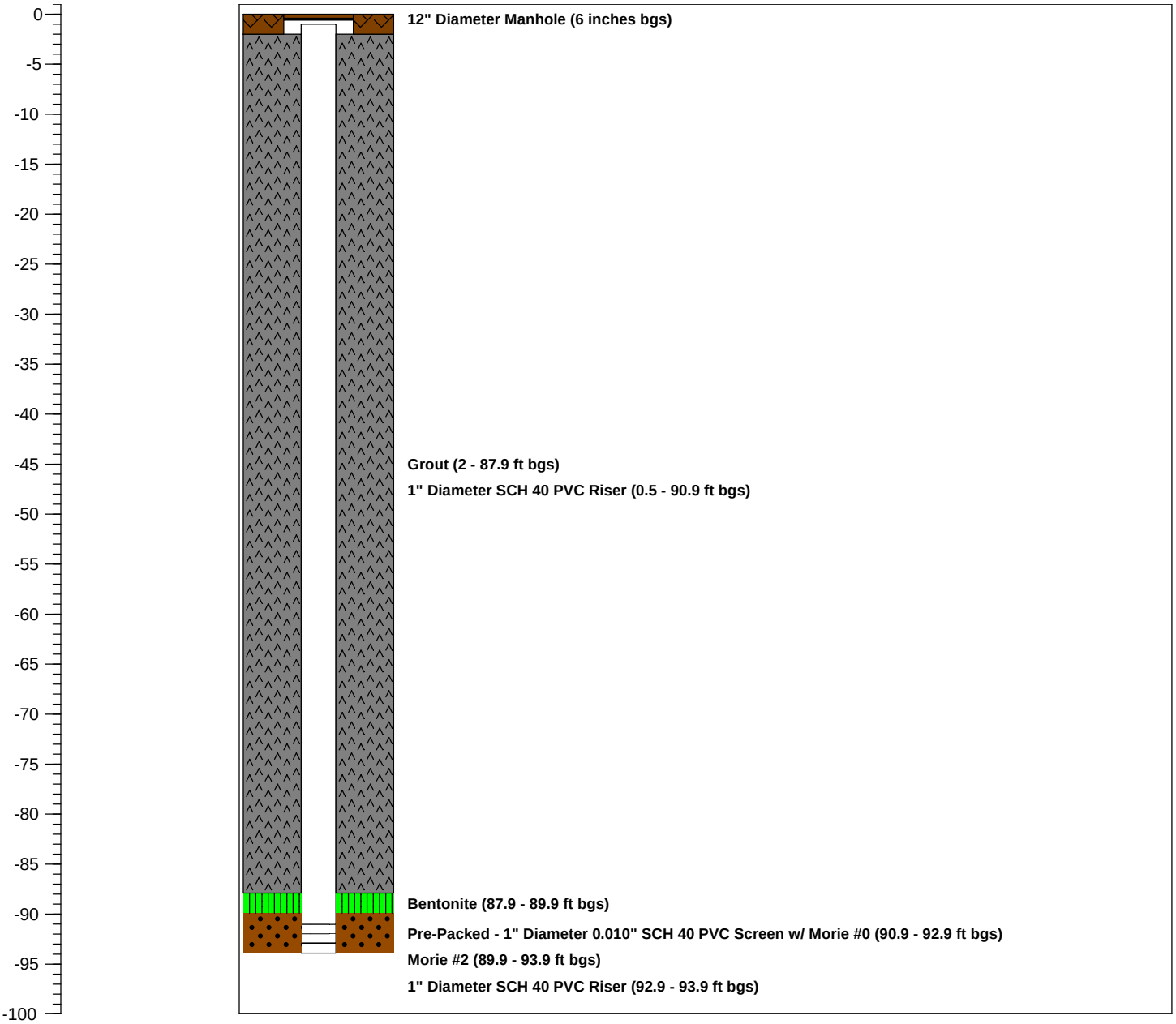
TOTAL DEPTH: **93.9'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-5D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/8/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

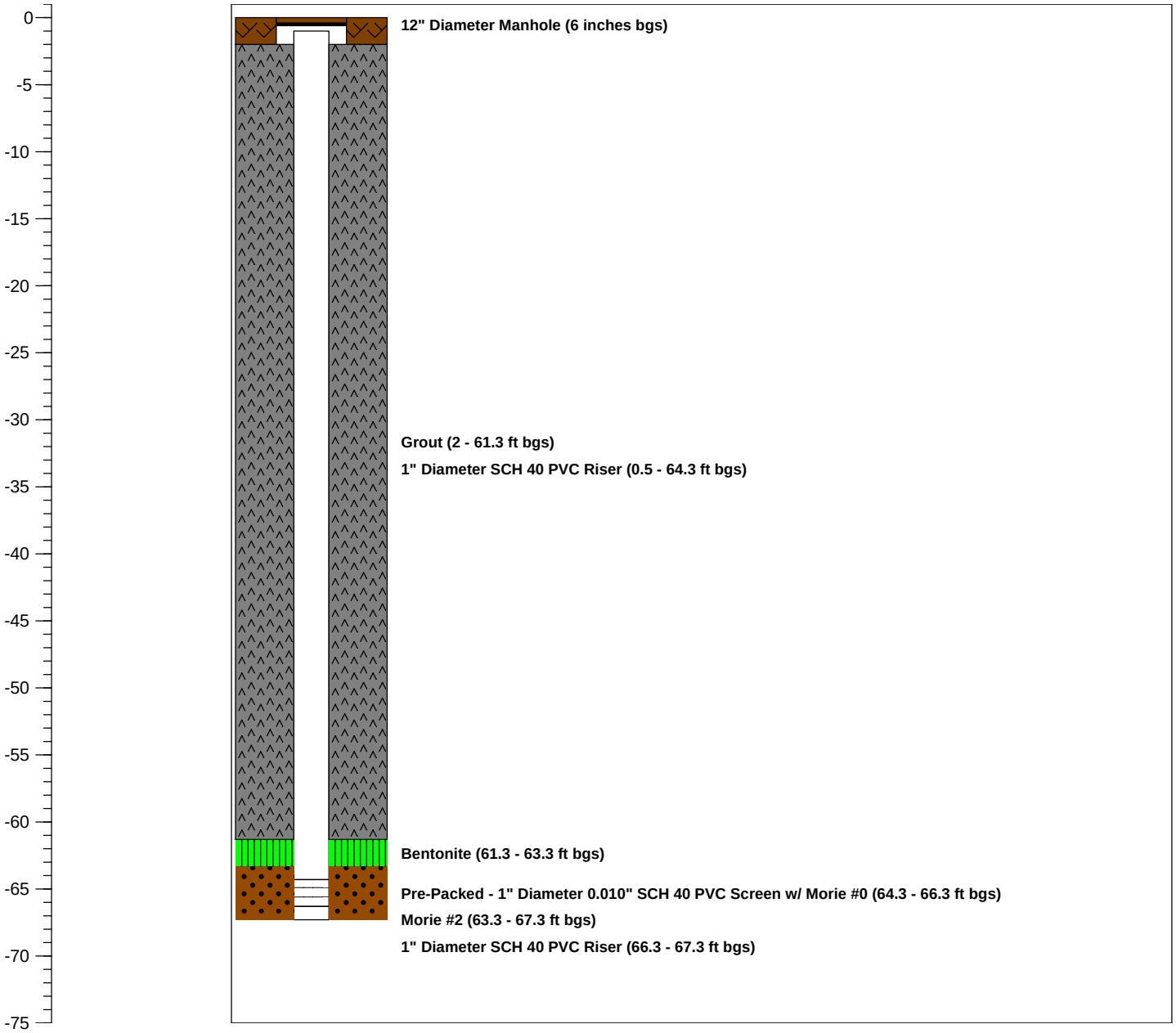
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**67.3'**	WELL NO.:	**OW-1-5S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/10/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

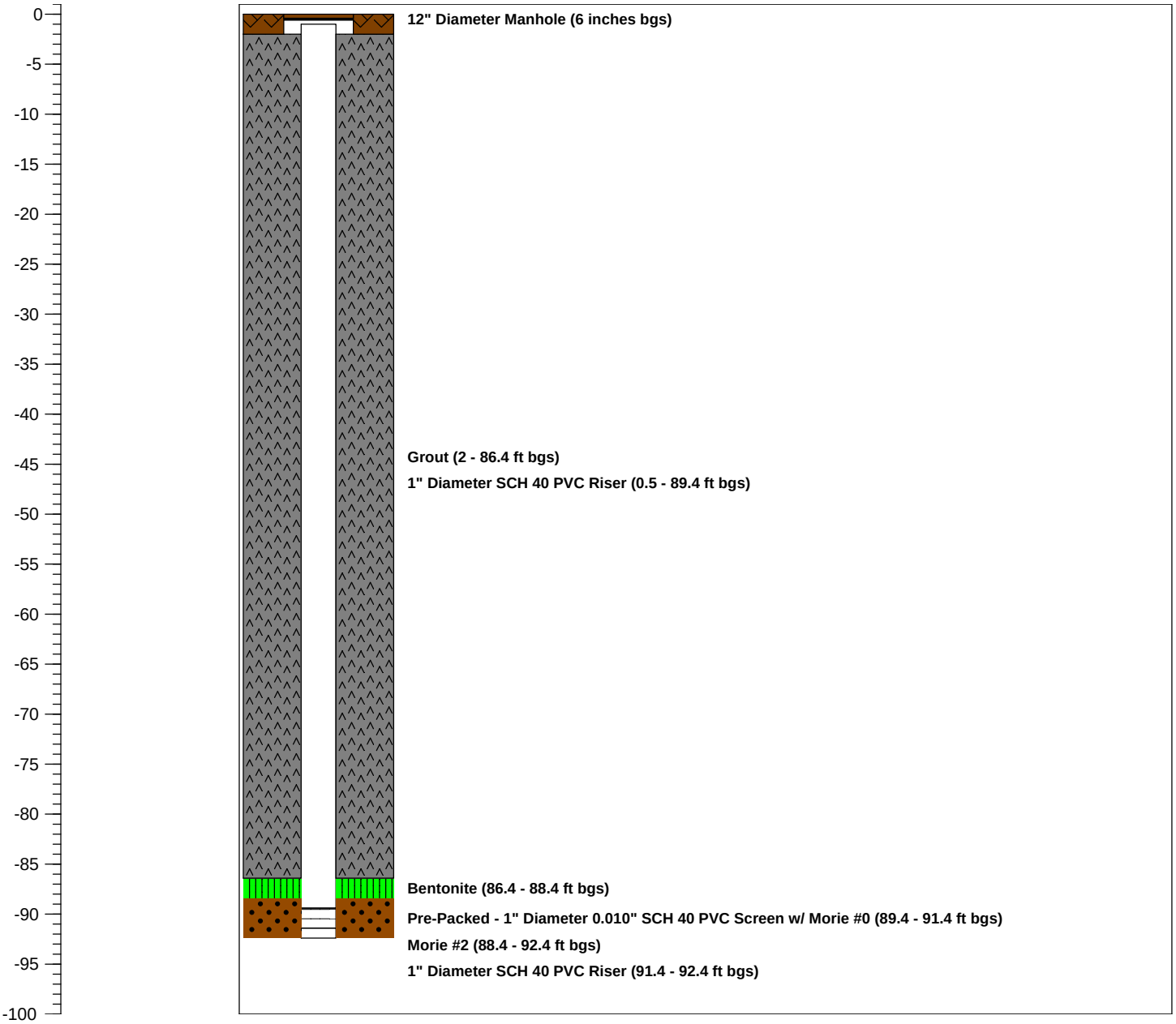
TOTAL DEPTH: **92.4'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-6D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/7/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

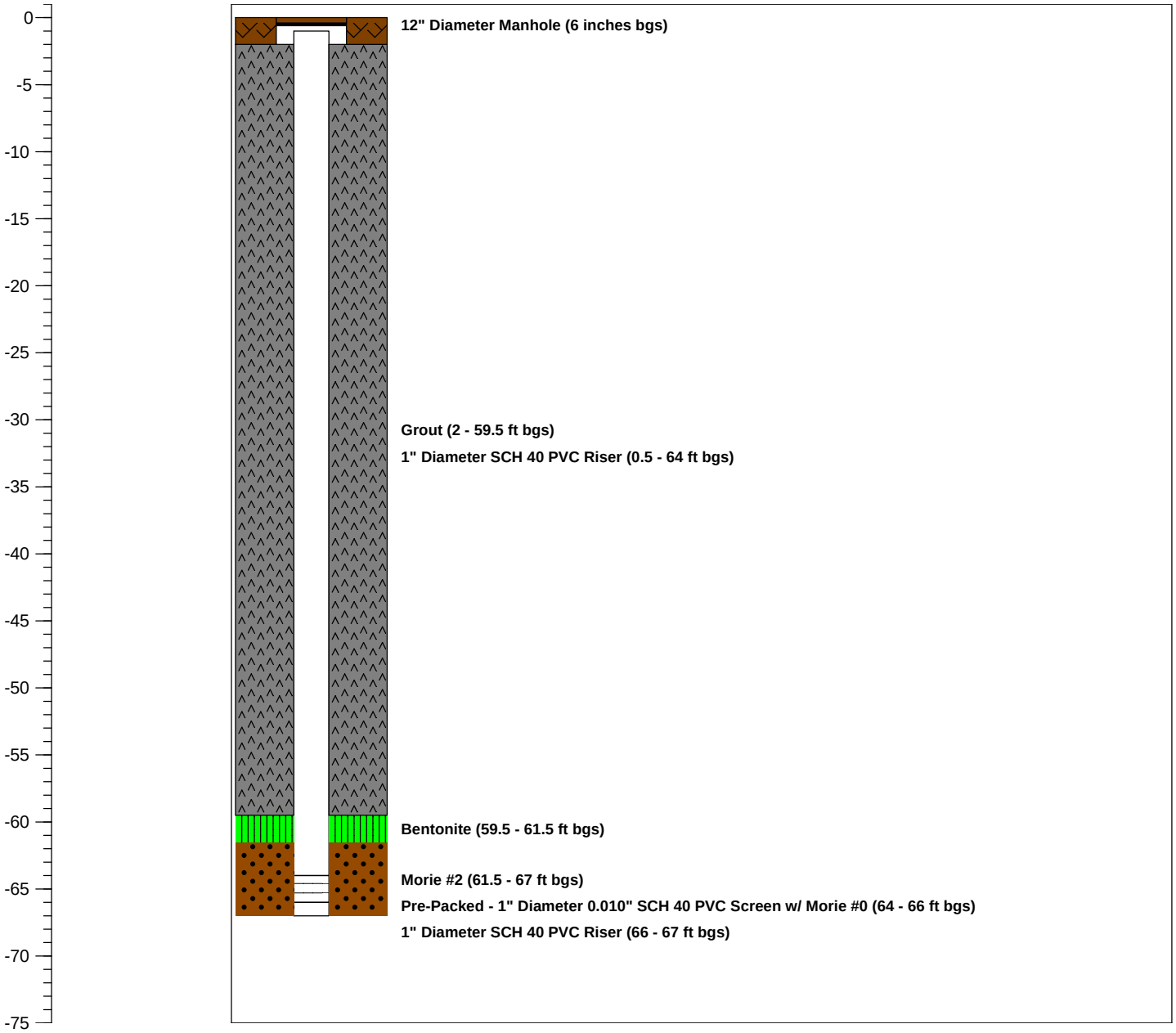
TOTAL DEPTH: **67.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-6S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/7/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

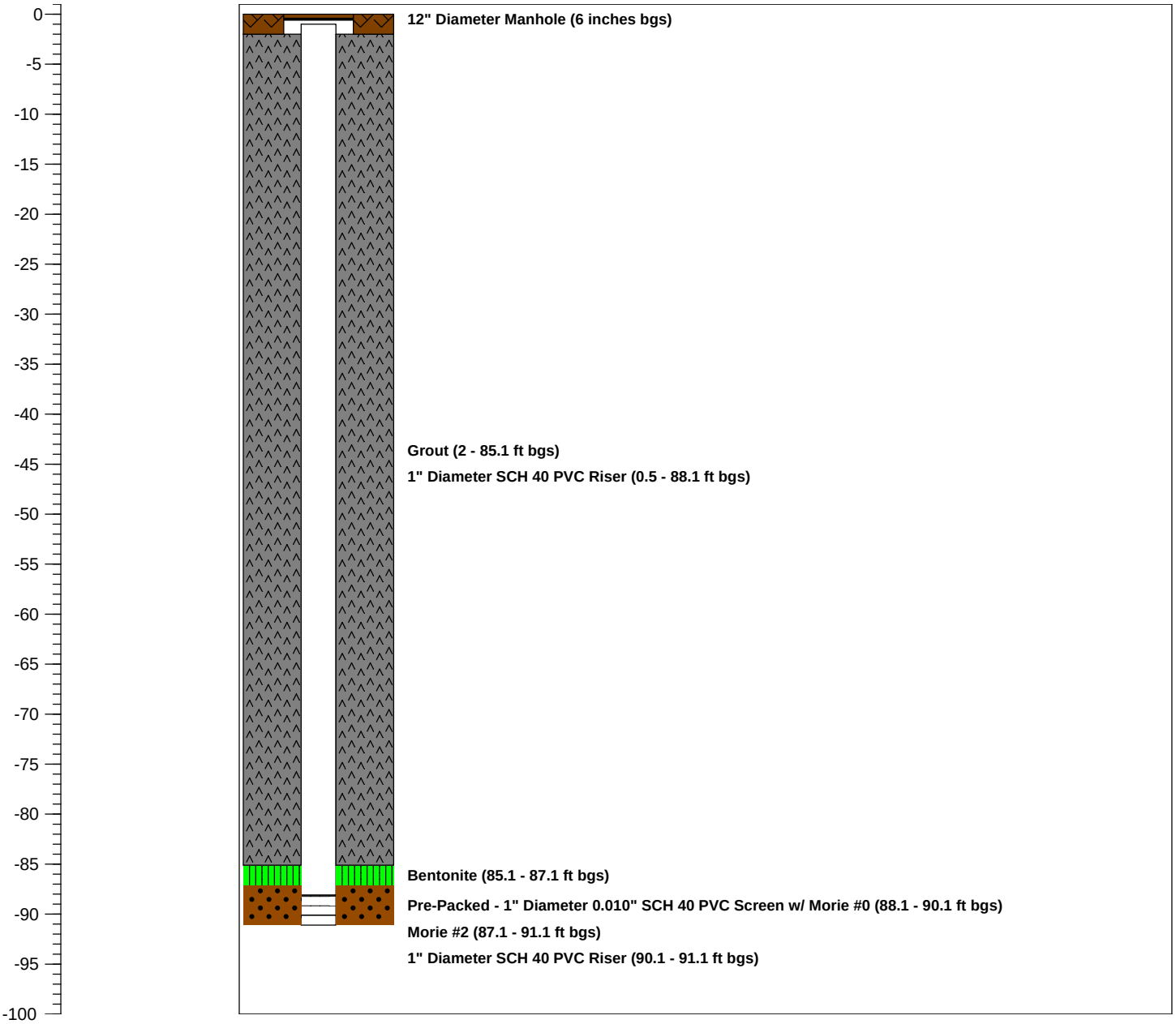
TOTAL DEPTH: **91.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-7D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/6/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

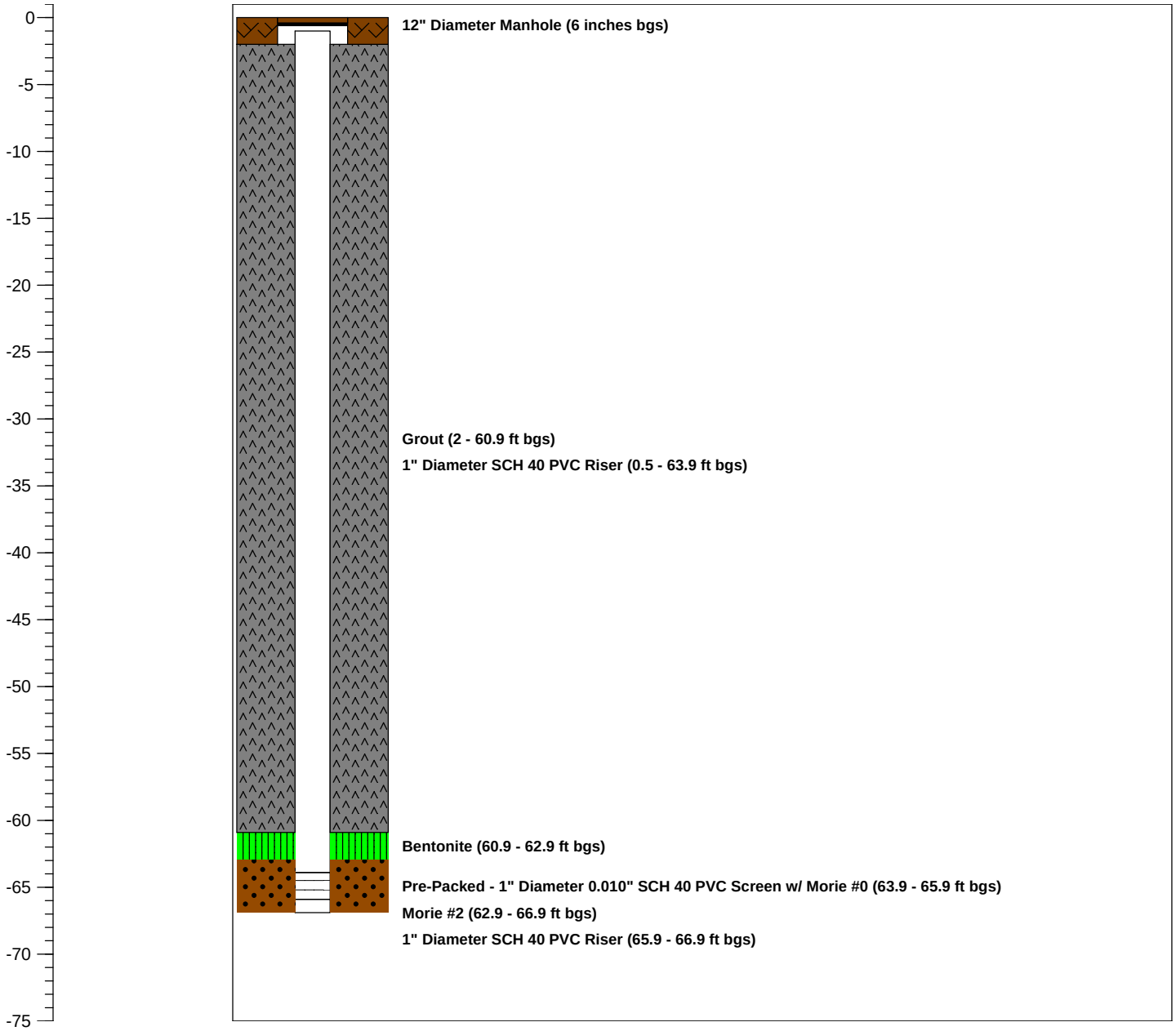
TOTAL DEPTH: **66.9'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-7S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/7/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

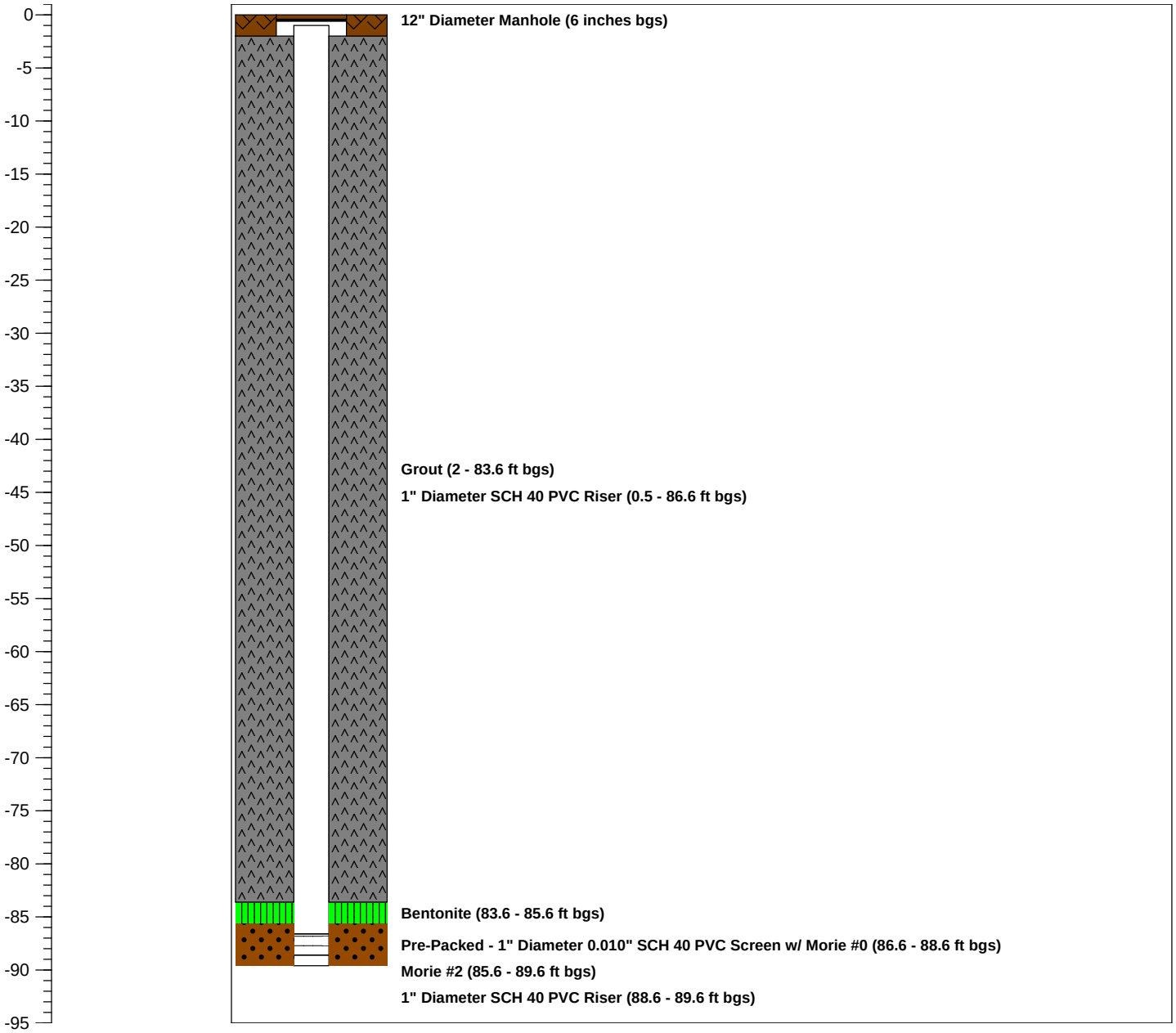
TOTAL DEPTH: **89.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-8D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/6/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

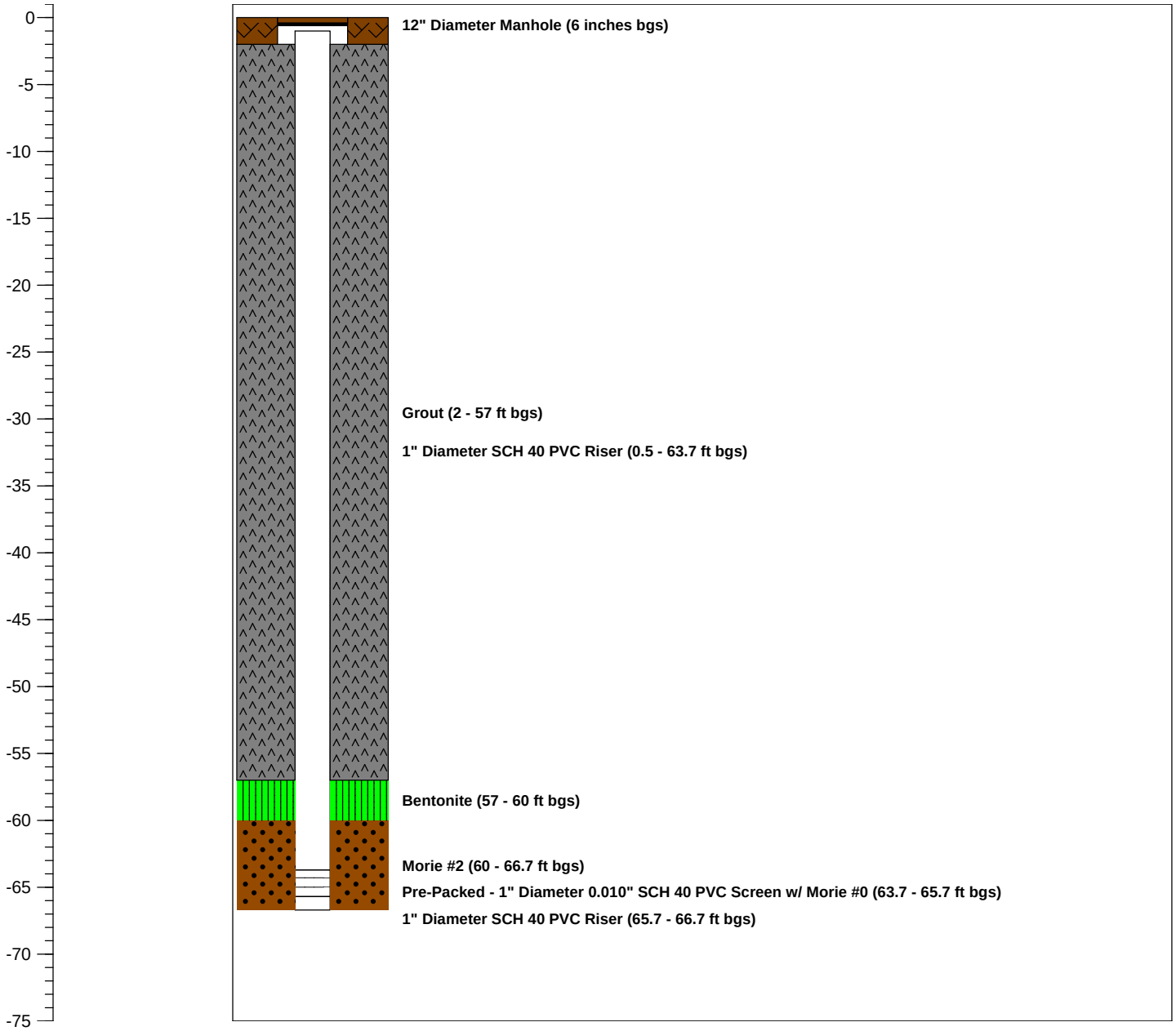
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**66.7'**	WELL NO.:	**OW-1-8S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/3/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

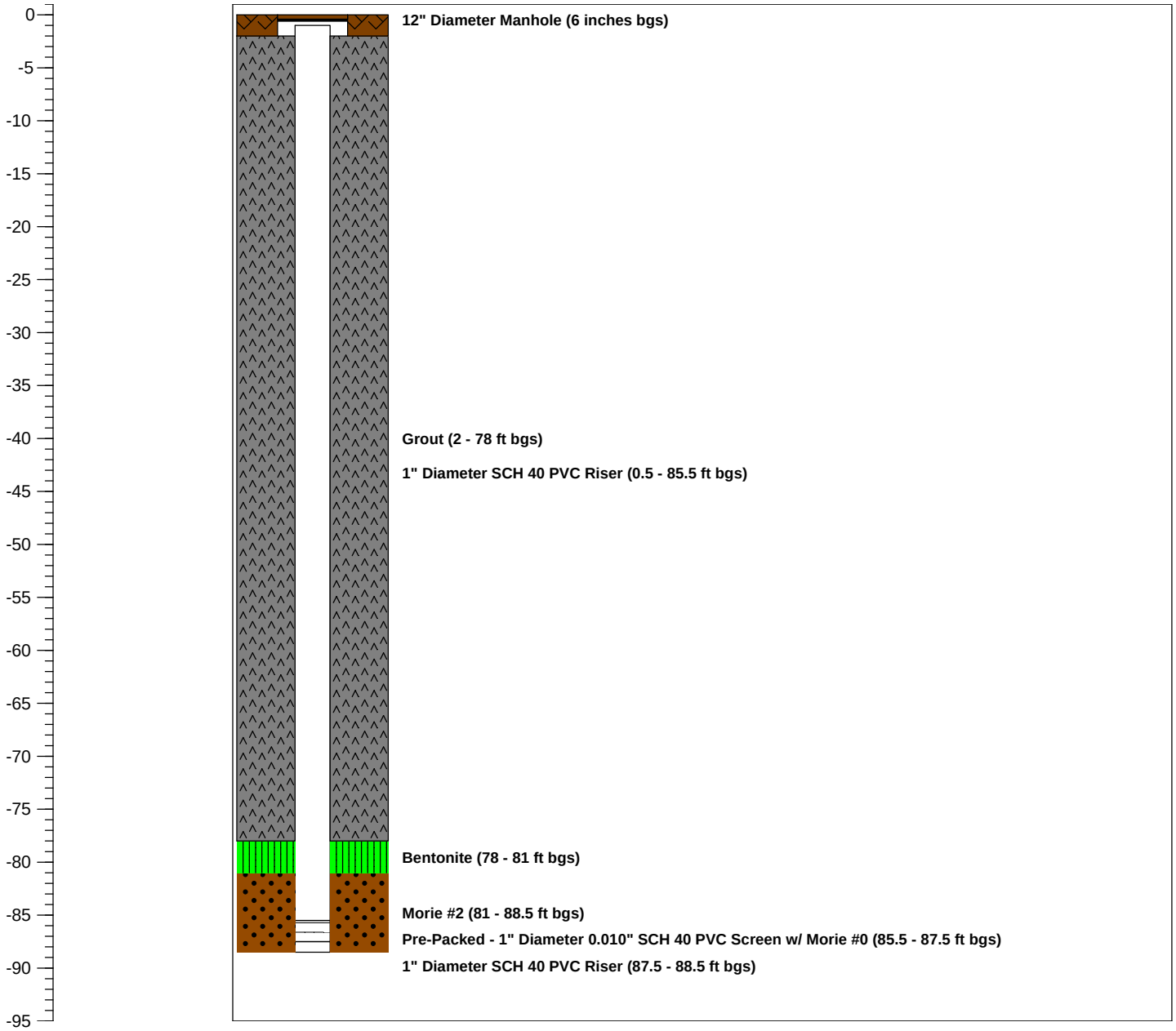
TOTAL DEPTH: **88.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-9D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/3/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

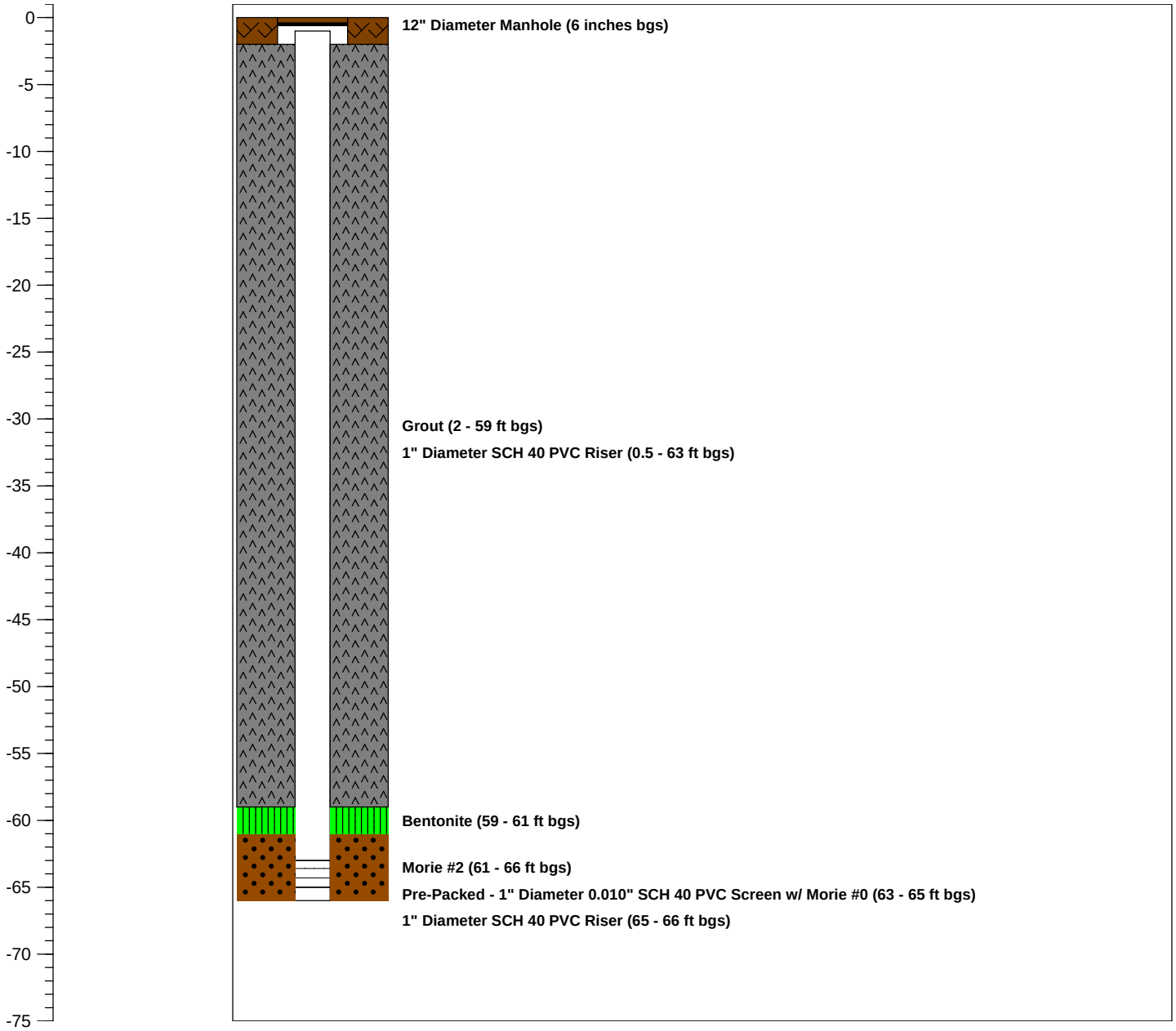
TOTAL DEPTH: **66.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-9S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/3/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

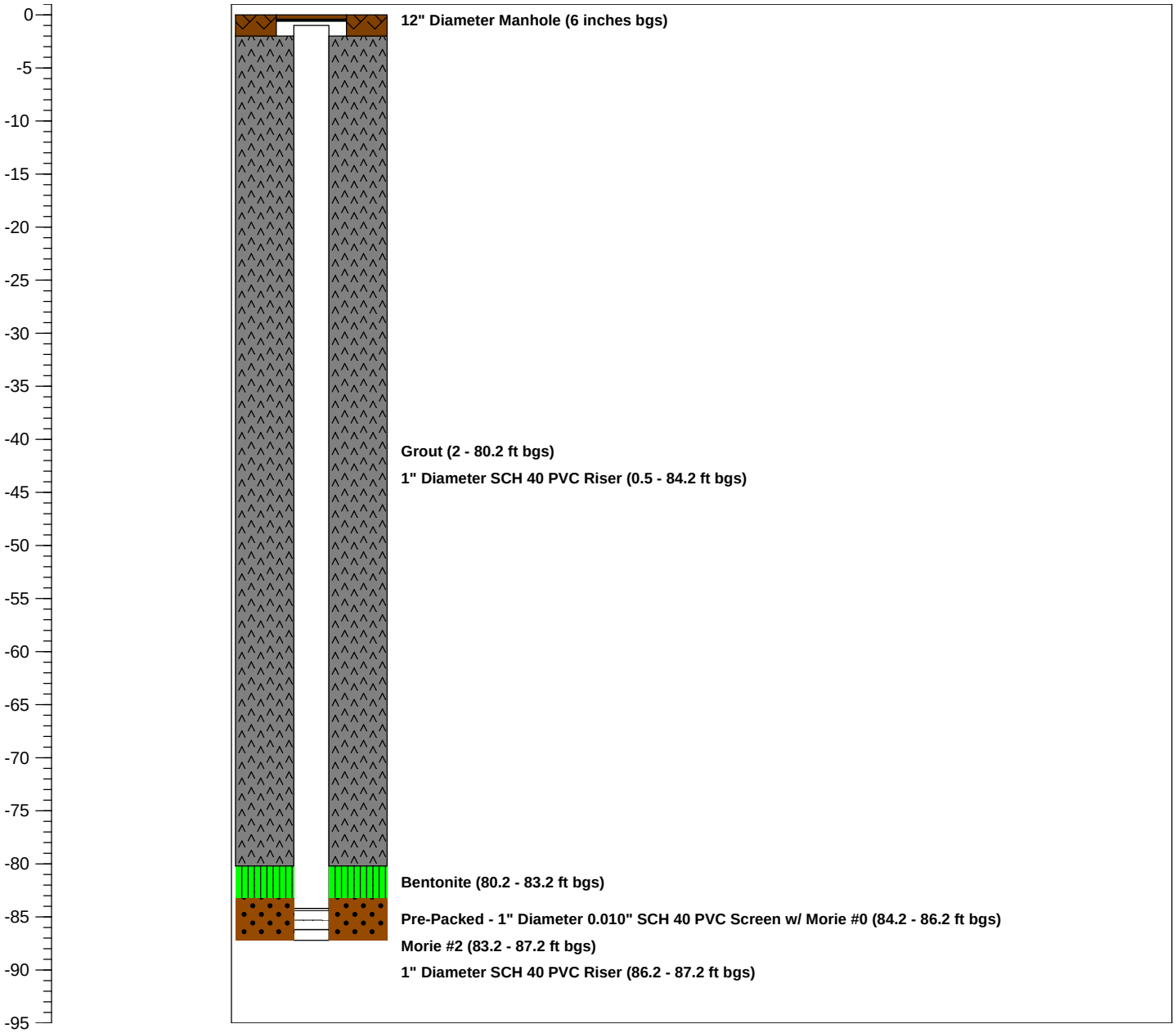
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**87.2'**	WELL NO.:	**OW-1-10D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**1/4/11**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

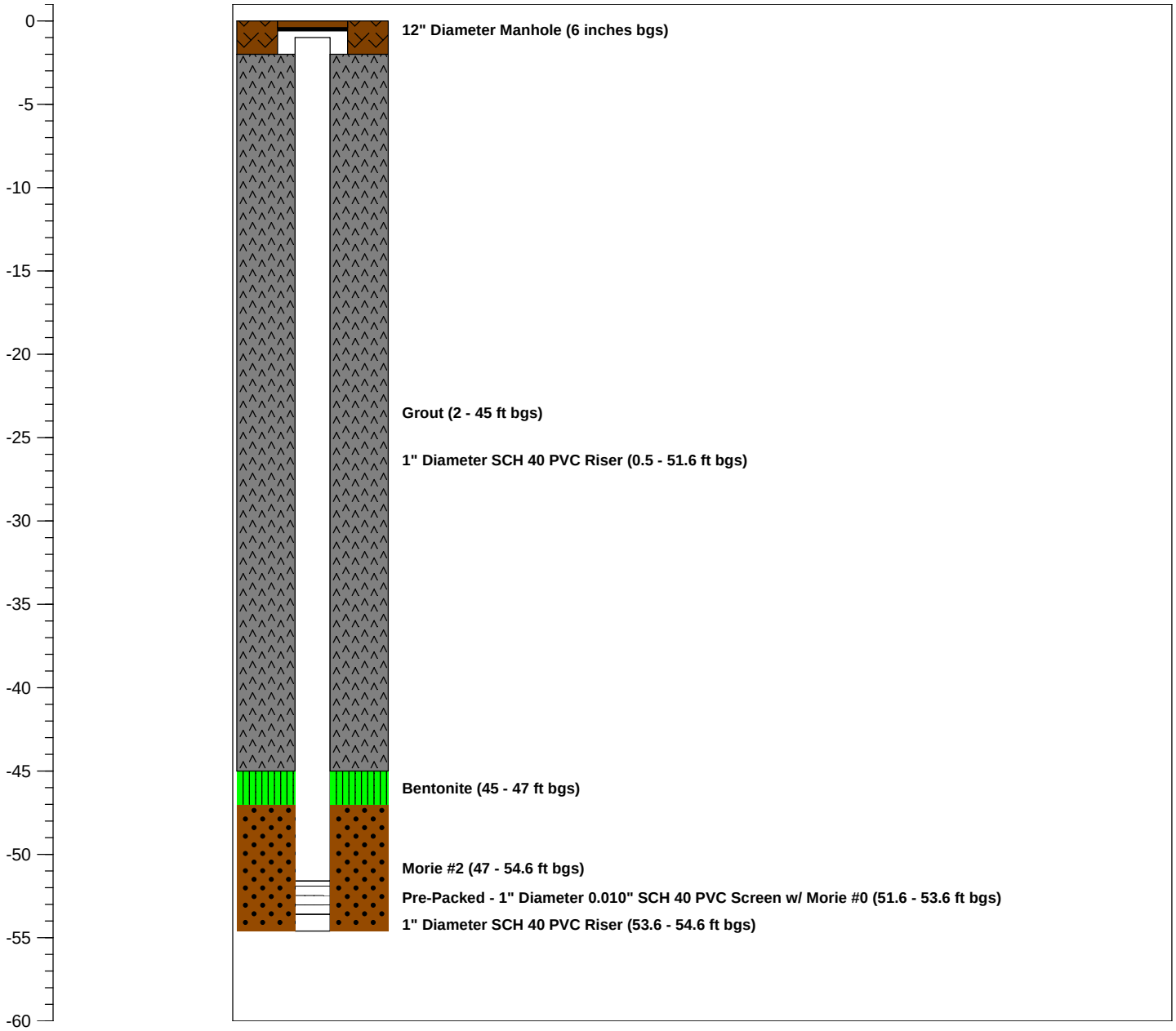
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**54.6'**	WELL NO.:	**OW-1-10S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/10/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

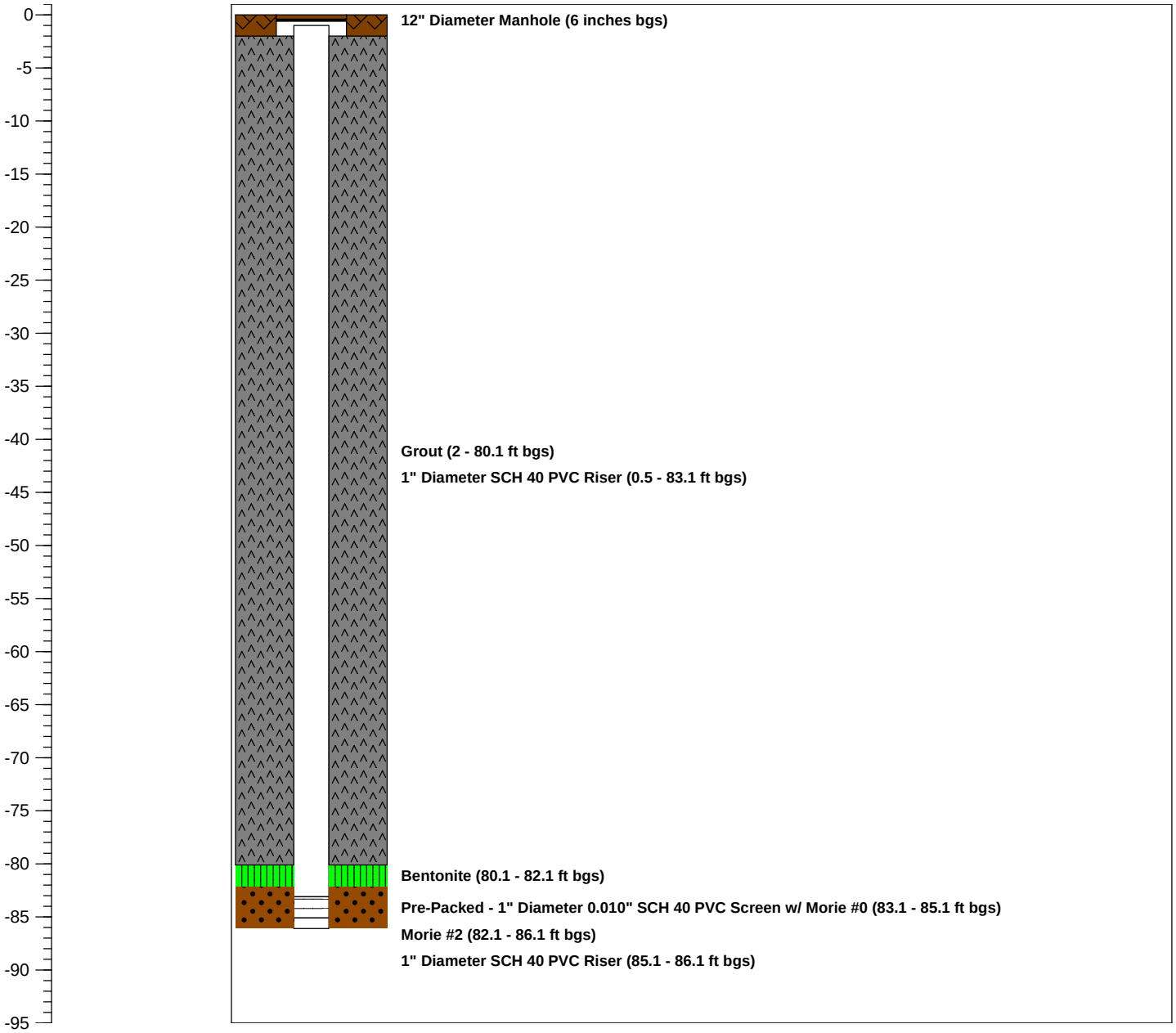
TOTAL DEPTH: **86.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-11D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/15/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

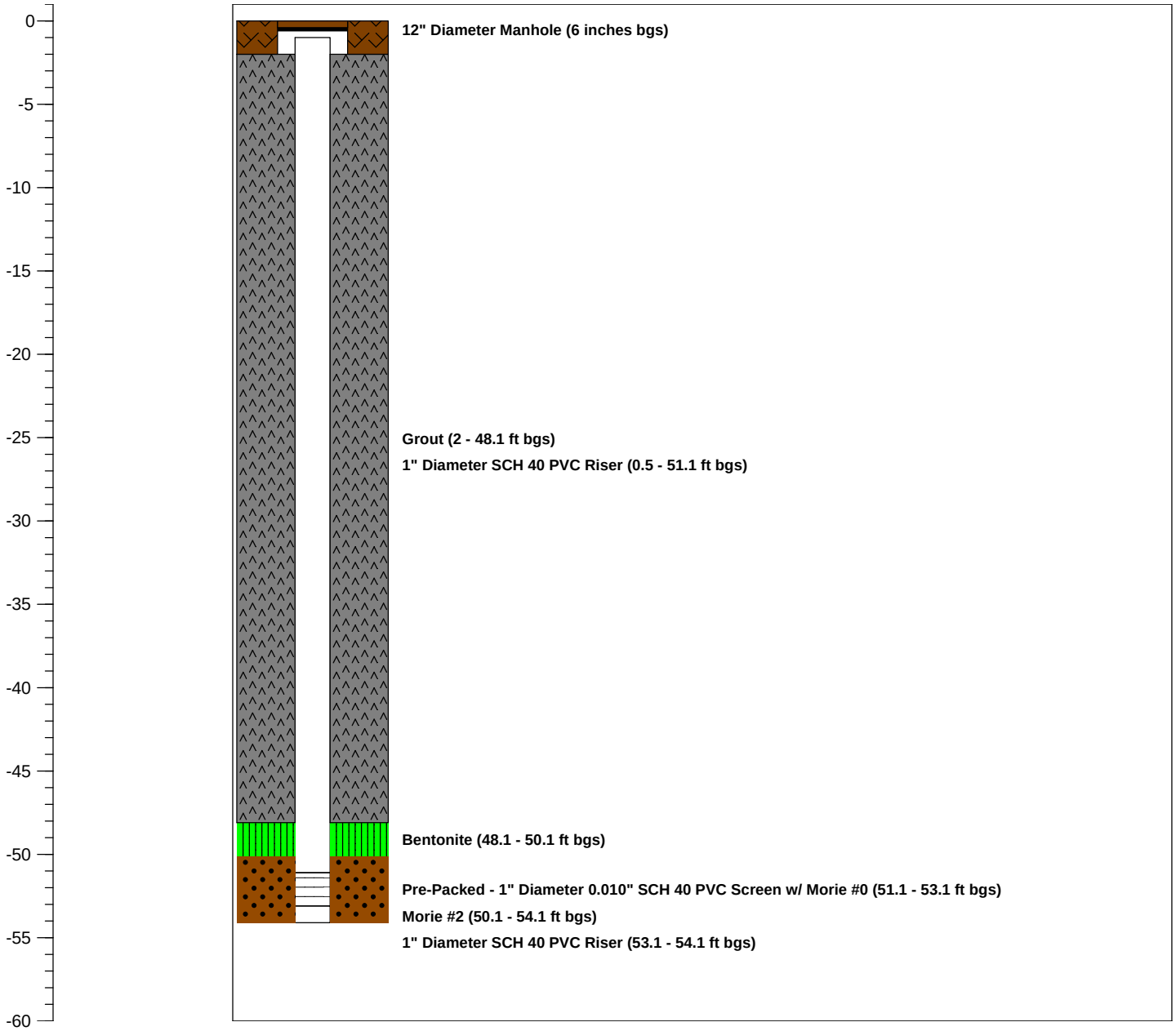
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**54.1'**	WELL NO.:	**OW-1-11S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/9/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

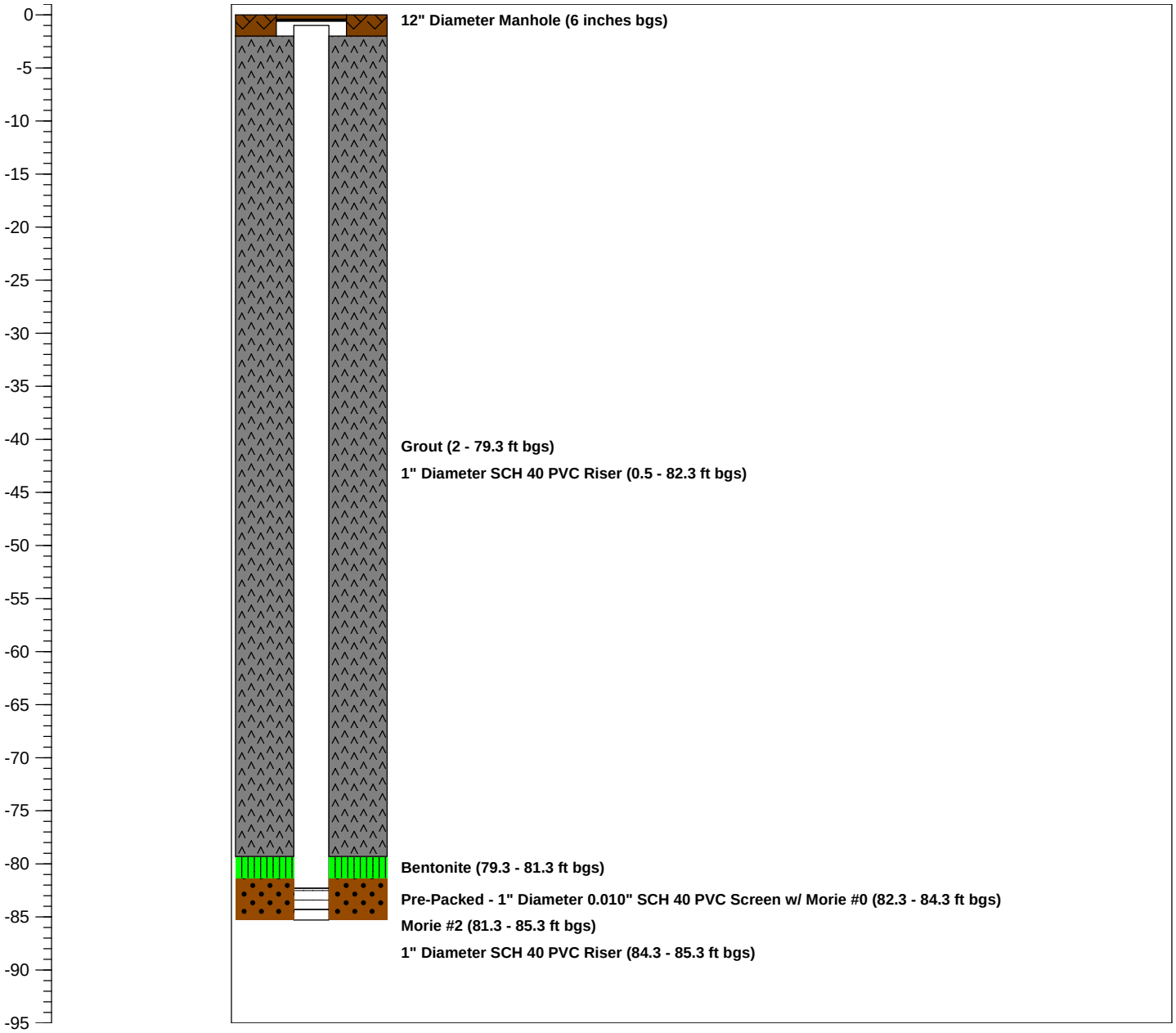
TOTAL DEPTH: **85.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-12D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/15/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

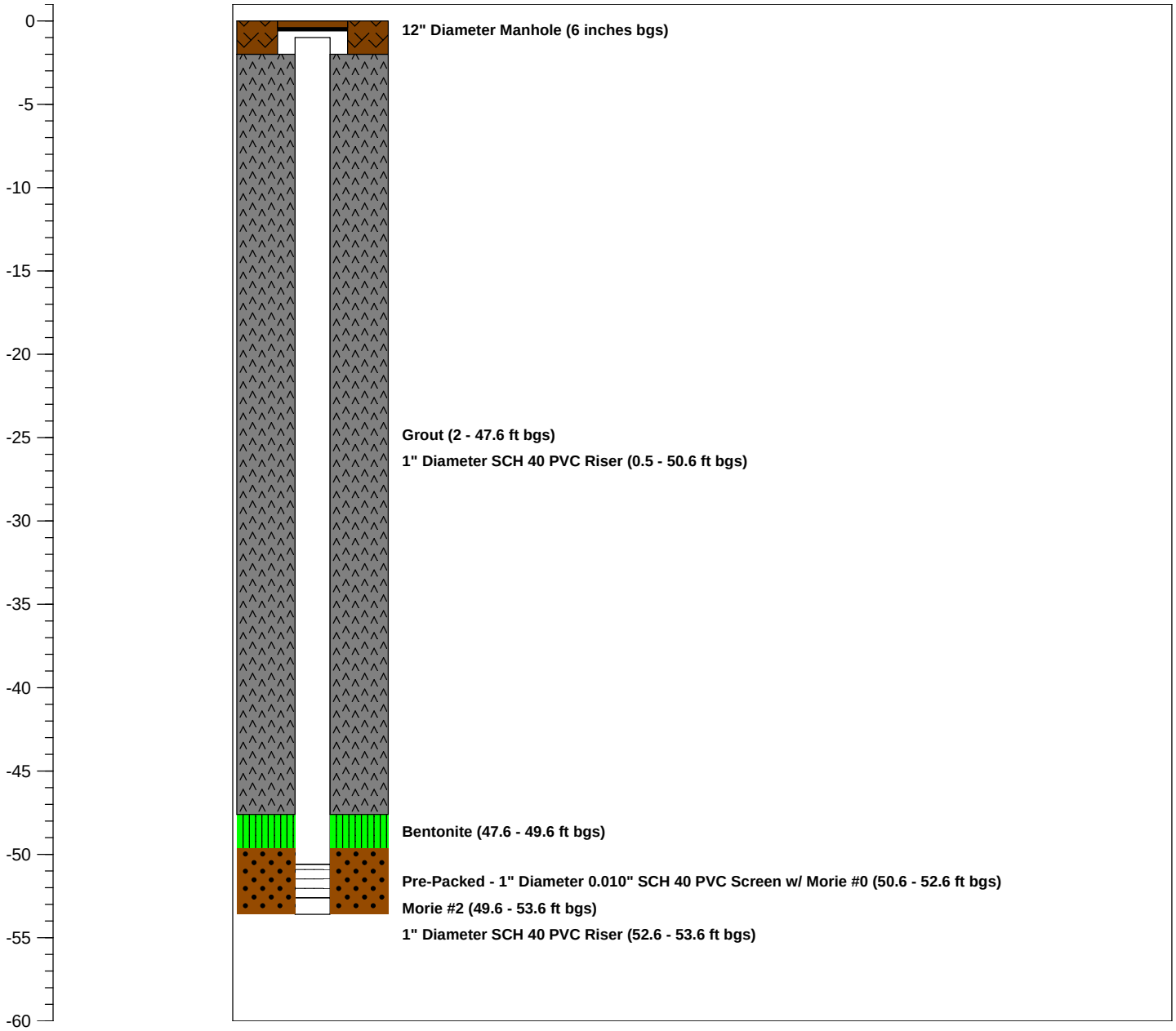
TOTAL DEPTH: **53.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-12S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/9/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

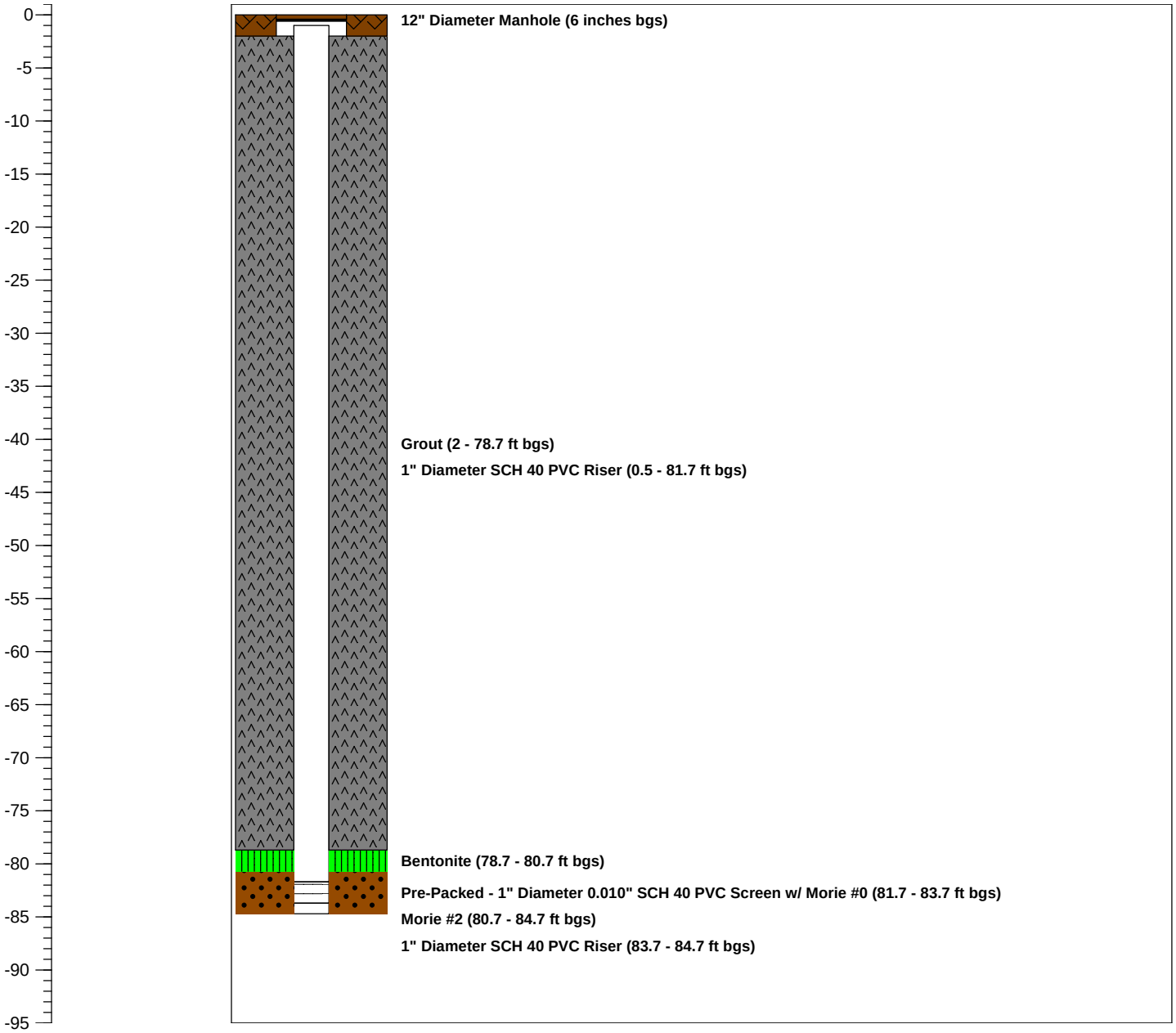
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**84.7'**	WELL NO.:	**OW-1-13D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/14/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

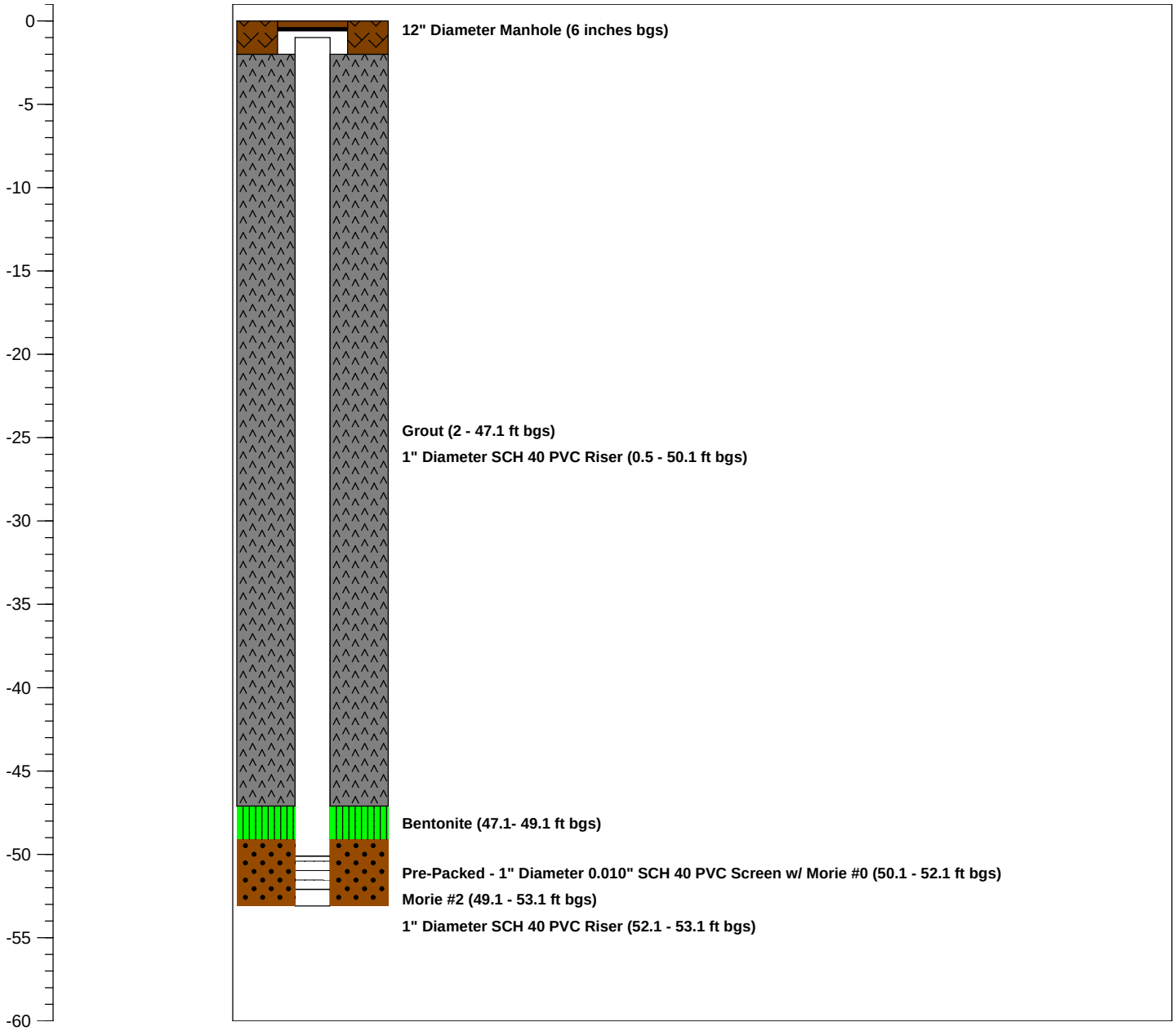
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**53.1'**	WELL NO.:	**OW-1-13S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/8/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

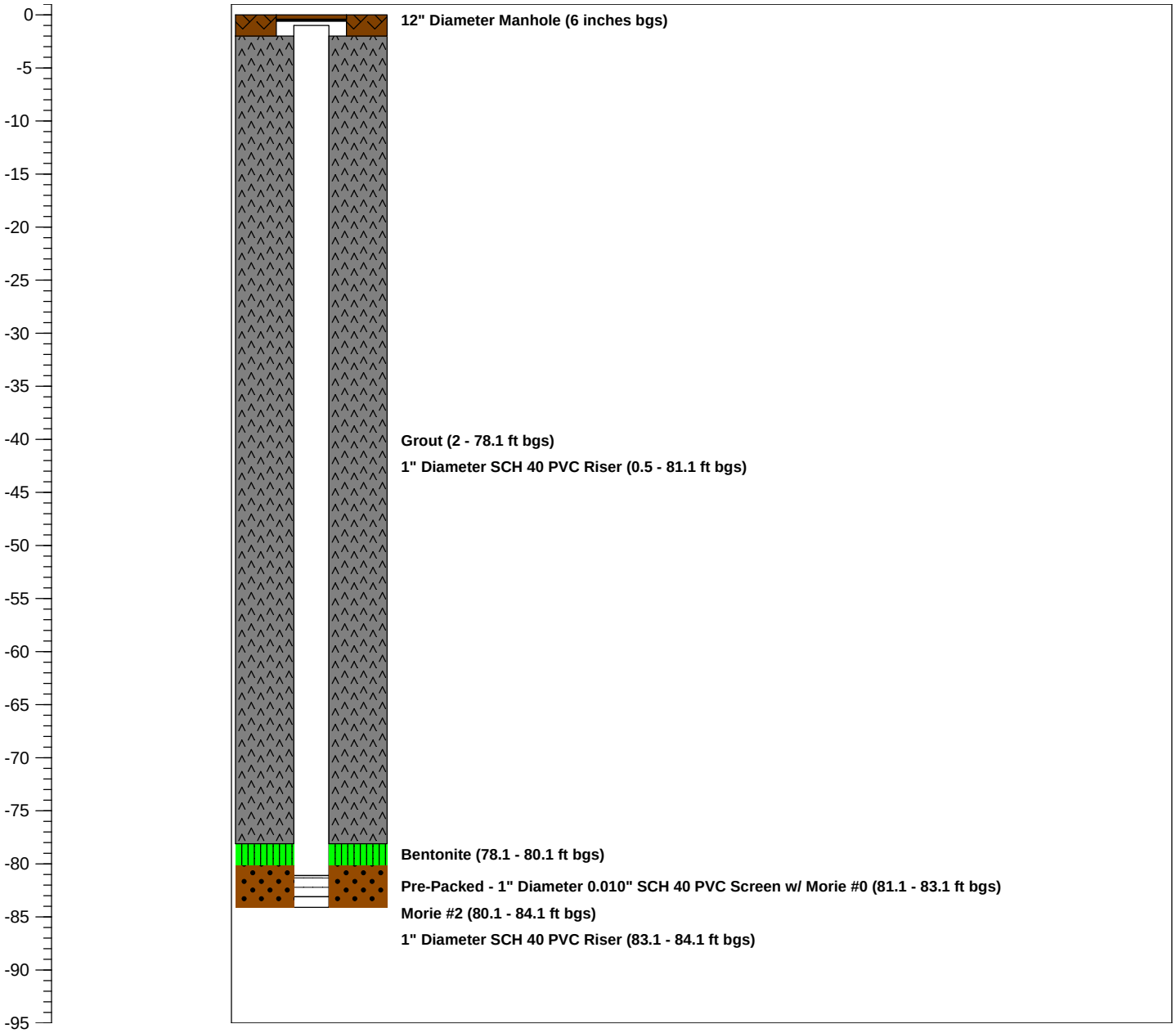
TOTAL DEPTH: **84.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-14D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/14/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

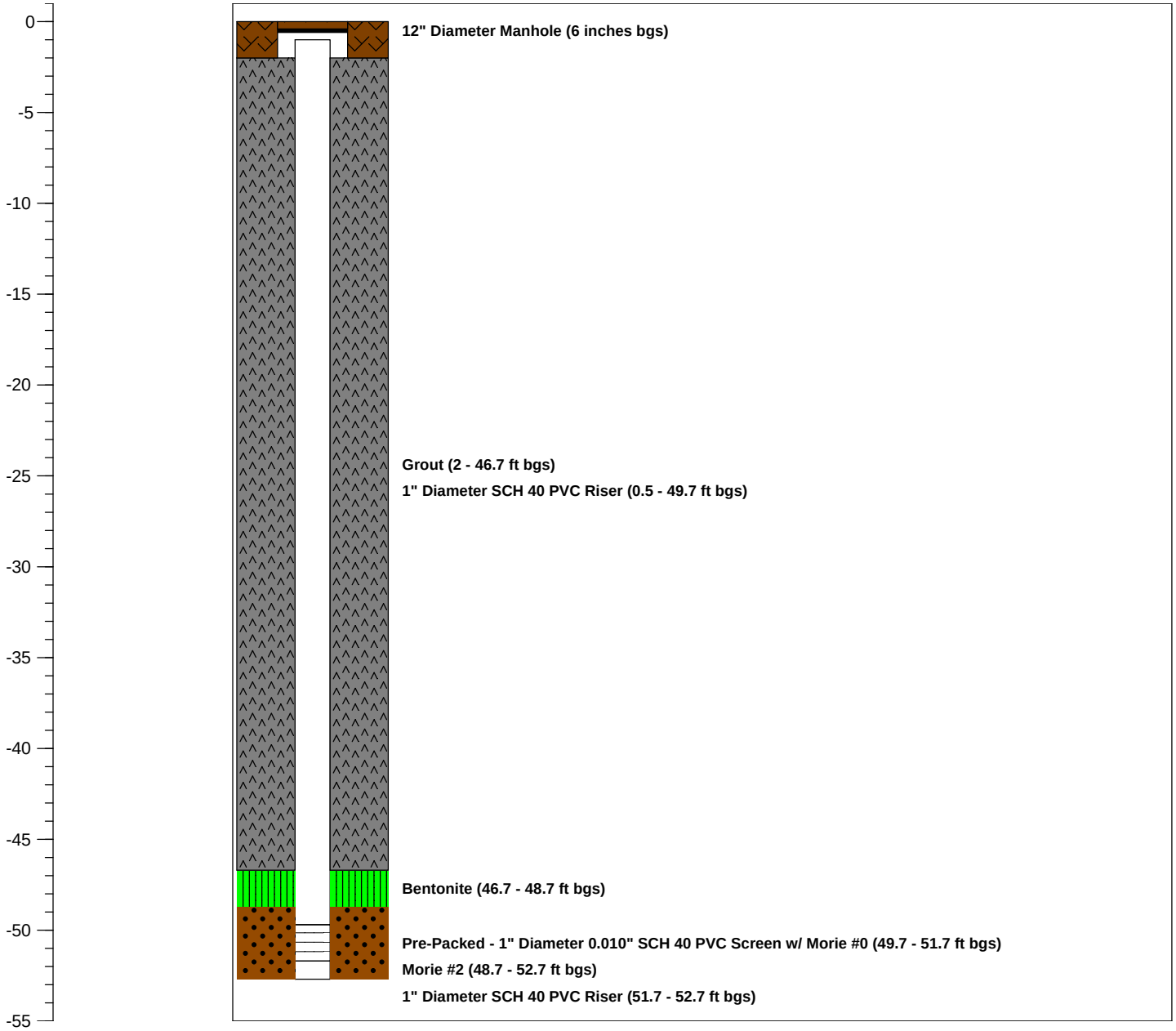
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**52.7'**	WELL NO.:	**OW-1-14S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/8/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

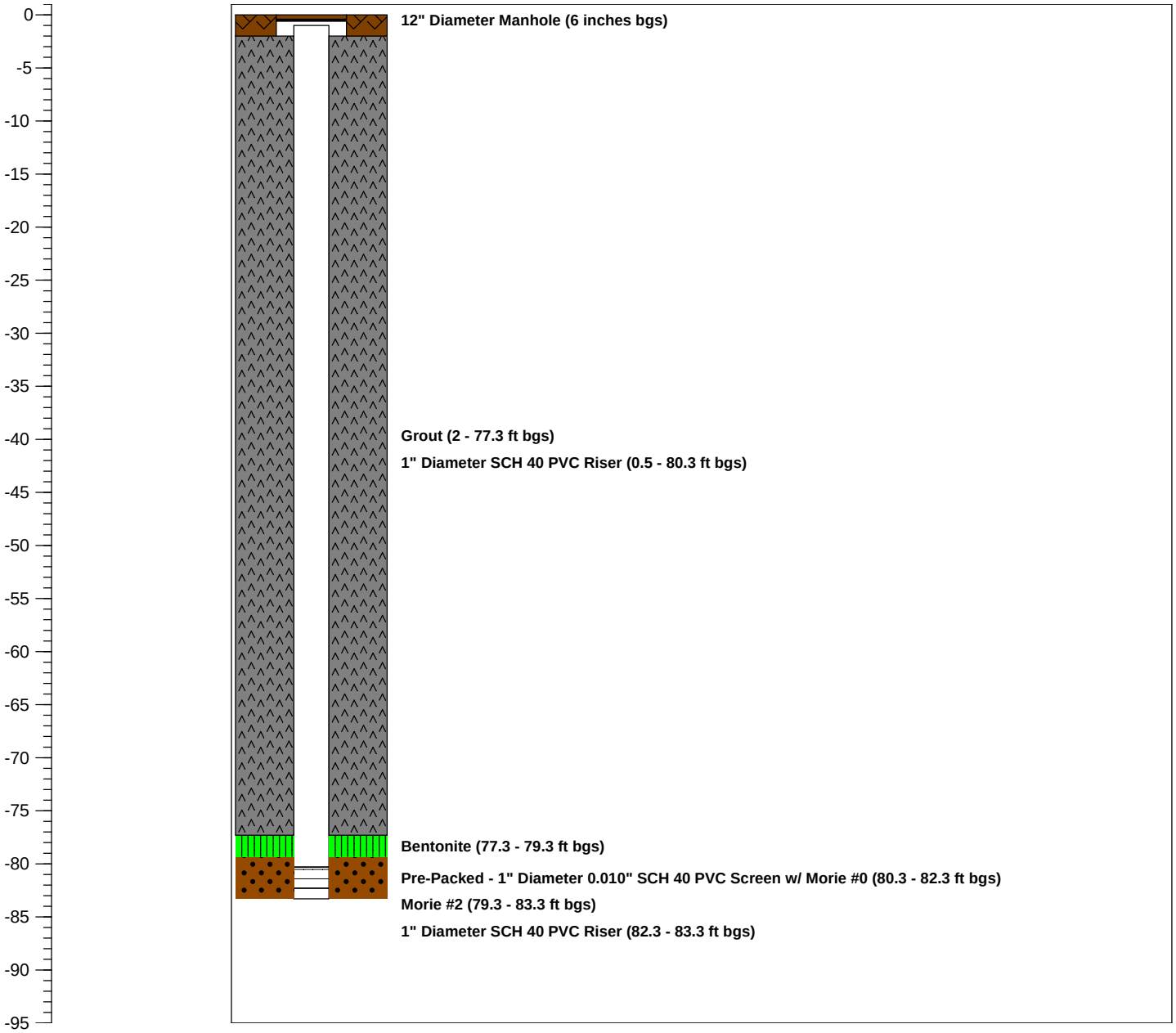
TOTAL DEPTH: **83.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-15D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/10/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

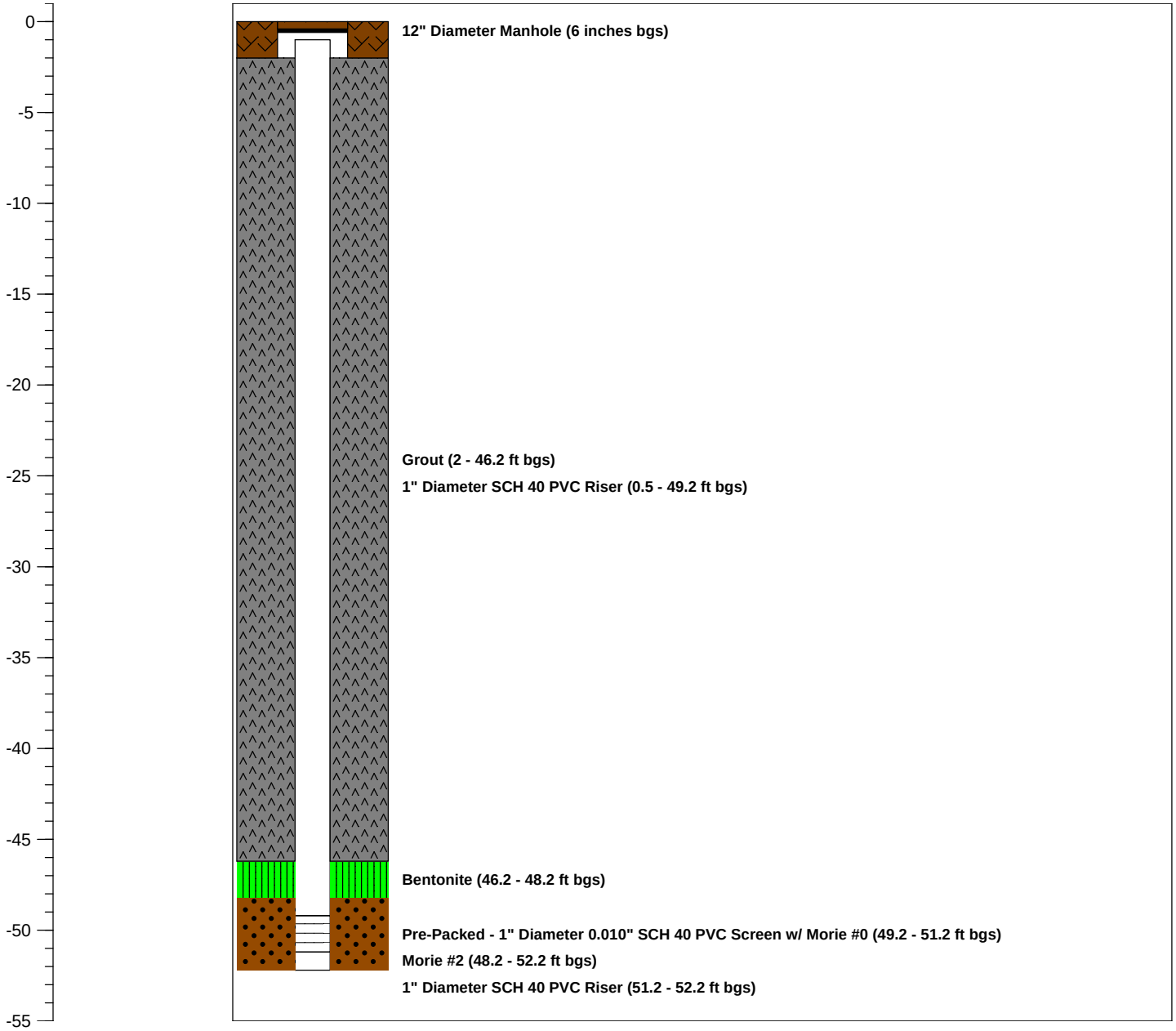
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**52.2'**	WELL NO.:	**OW-1-15S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/7/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

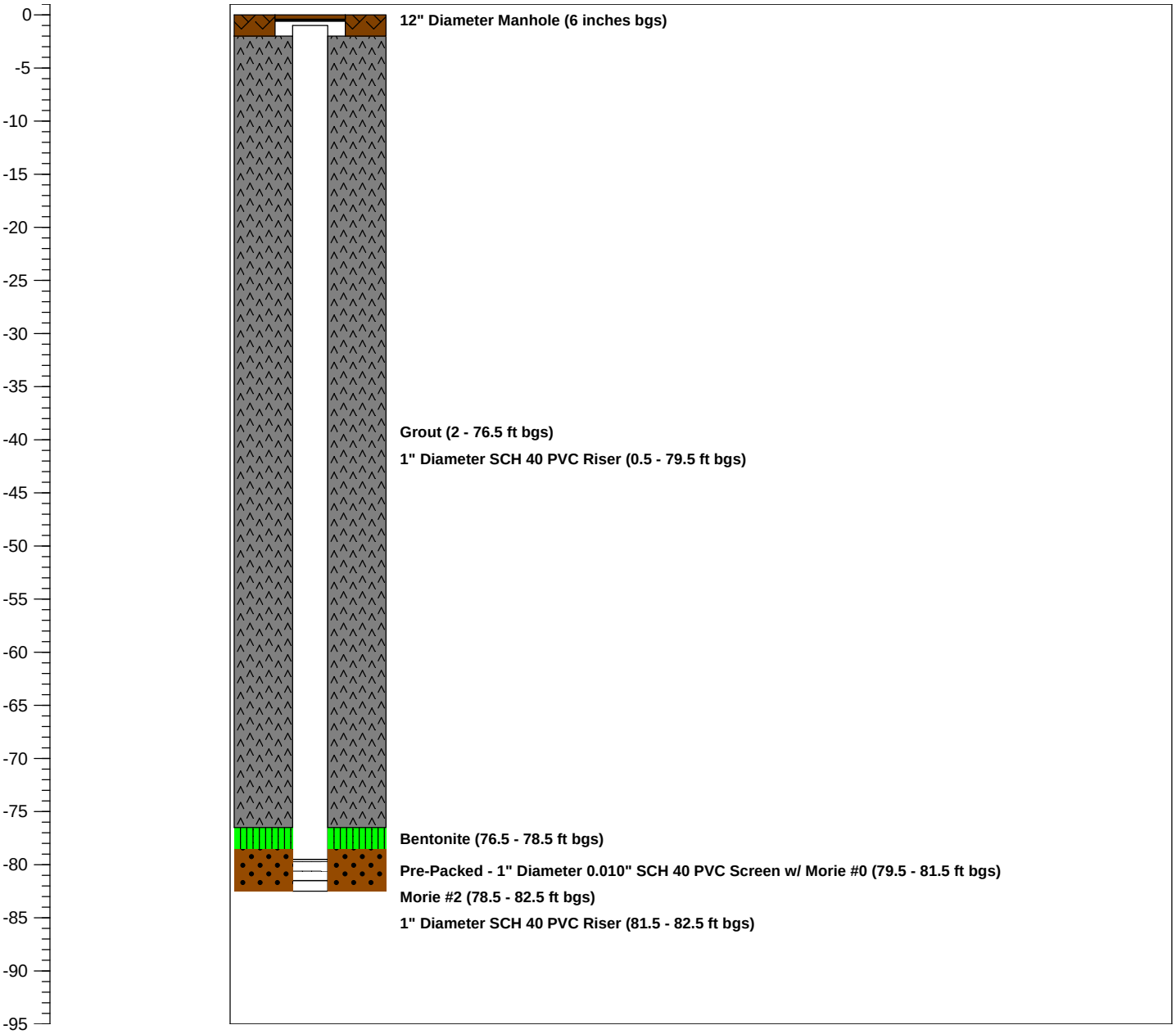
TOTAL DEPTH: **82.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-16D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/10/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

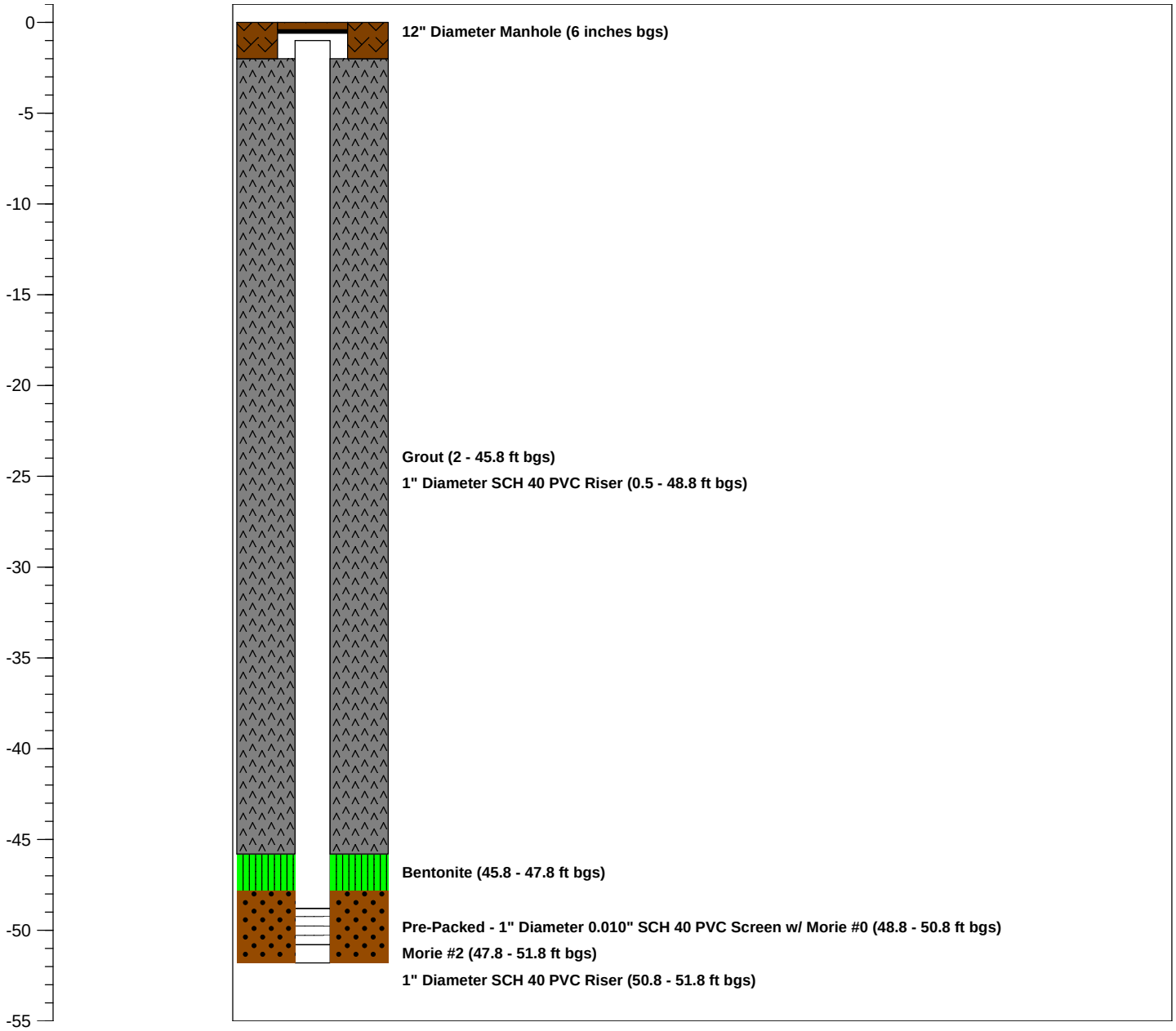
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**51.8'**	WELL NO.:	**OW-1-16S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/7/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

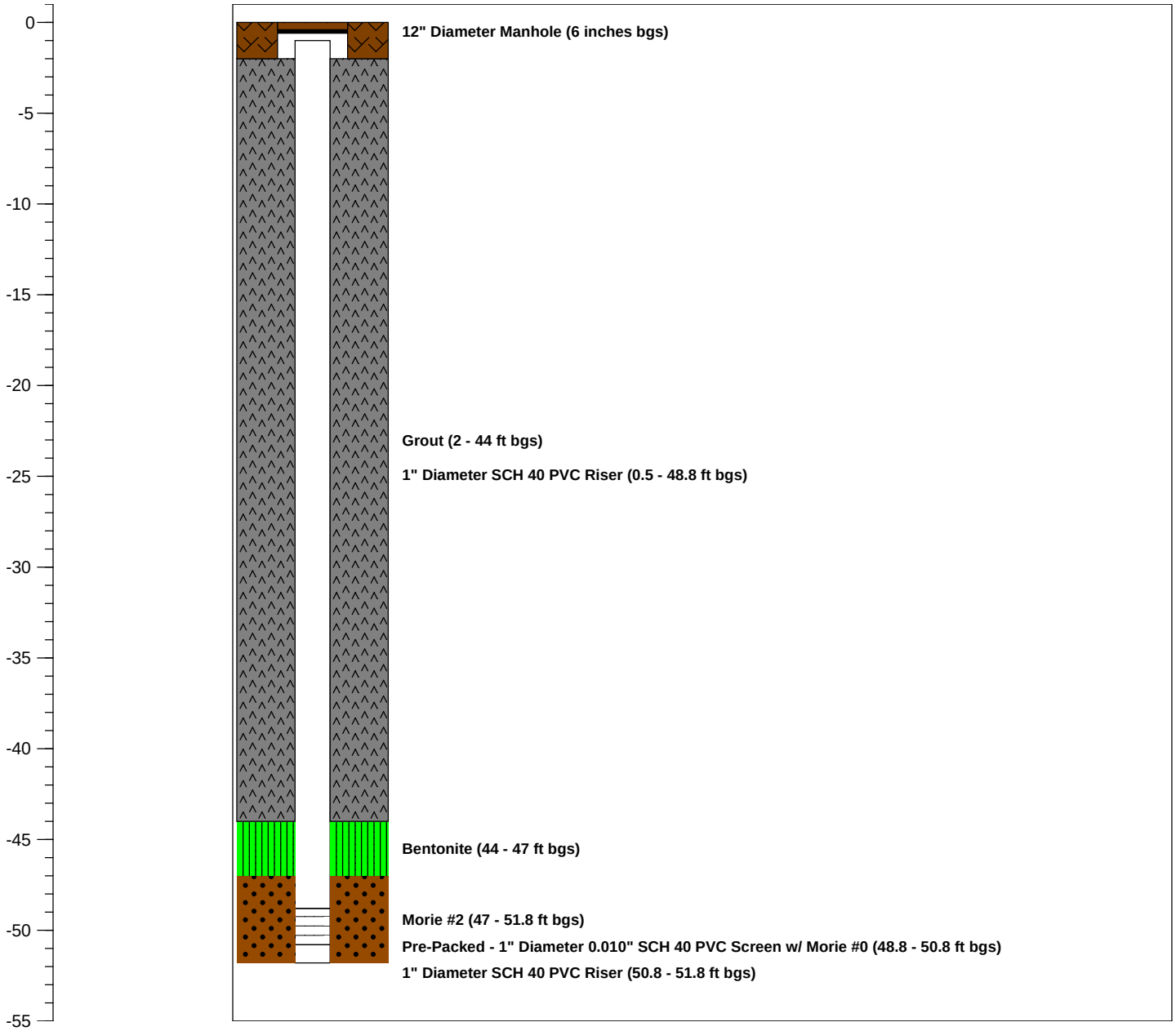
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**51.8'**	WELL NO.:	**OW-1-16SR**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**3/17/11**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

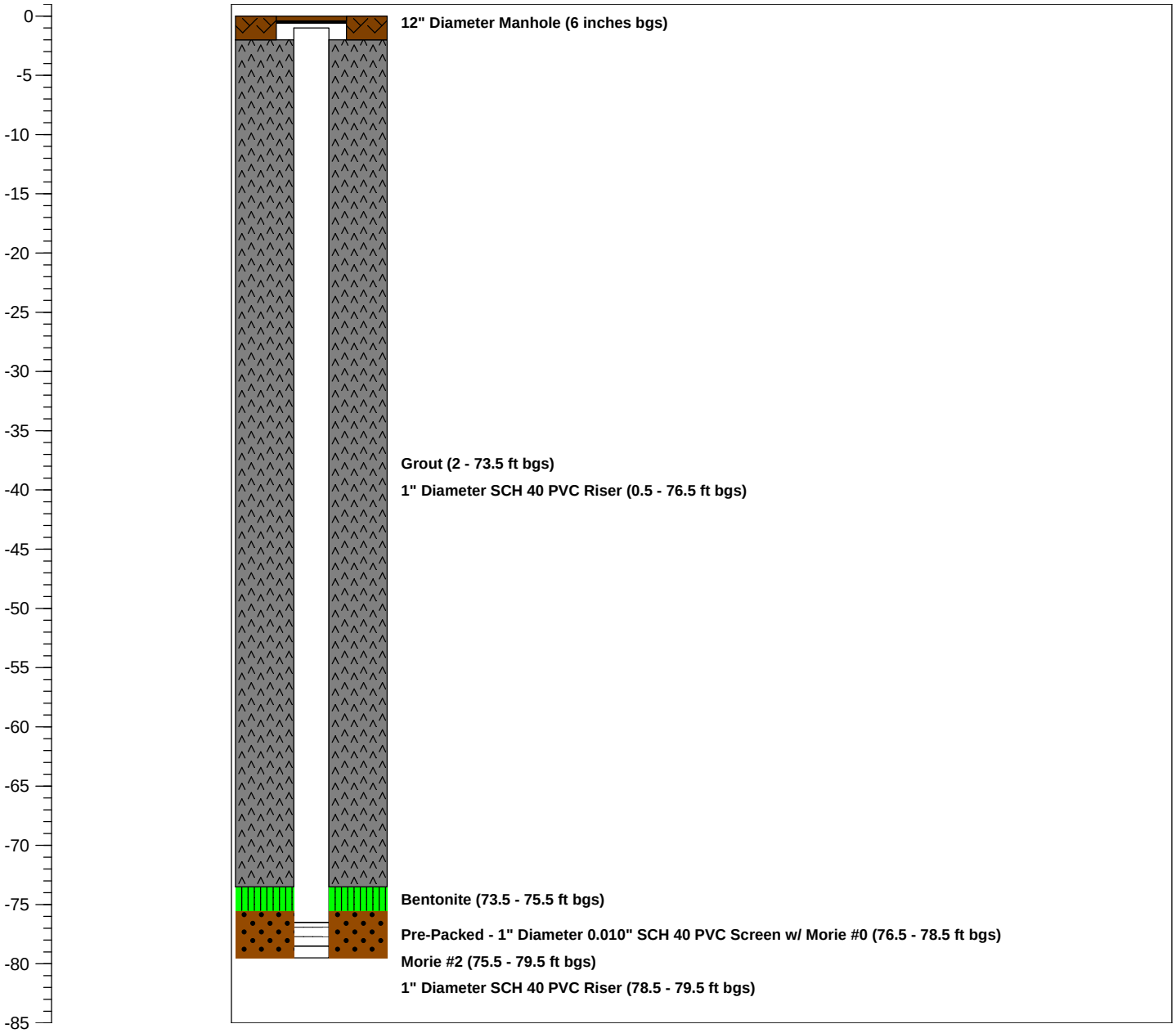
TOTAL DEPTH: **79.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-17D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/9/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

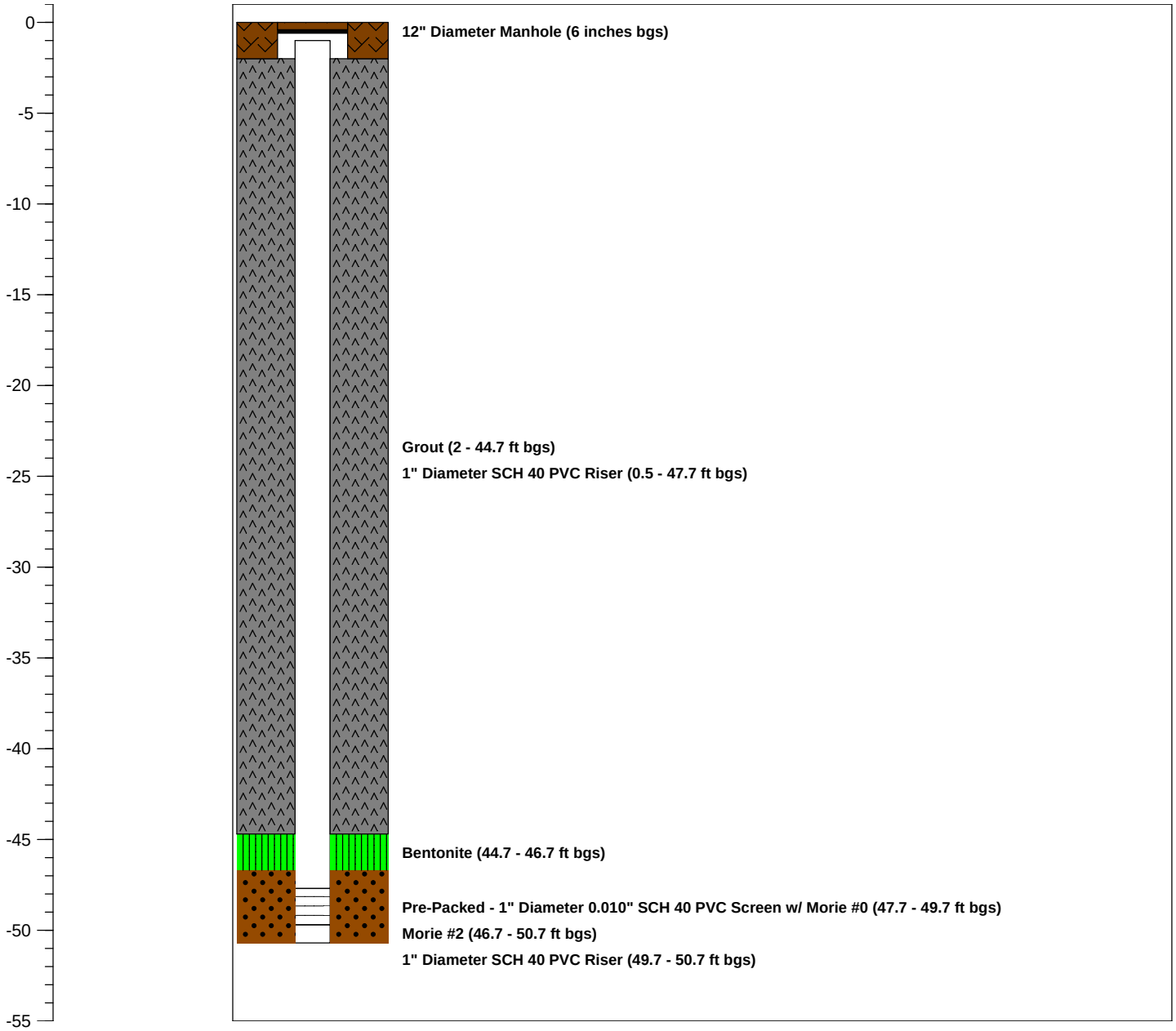
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**50.7'**	WELL NO.:	**OW-1-17S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/7/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

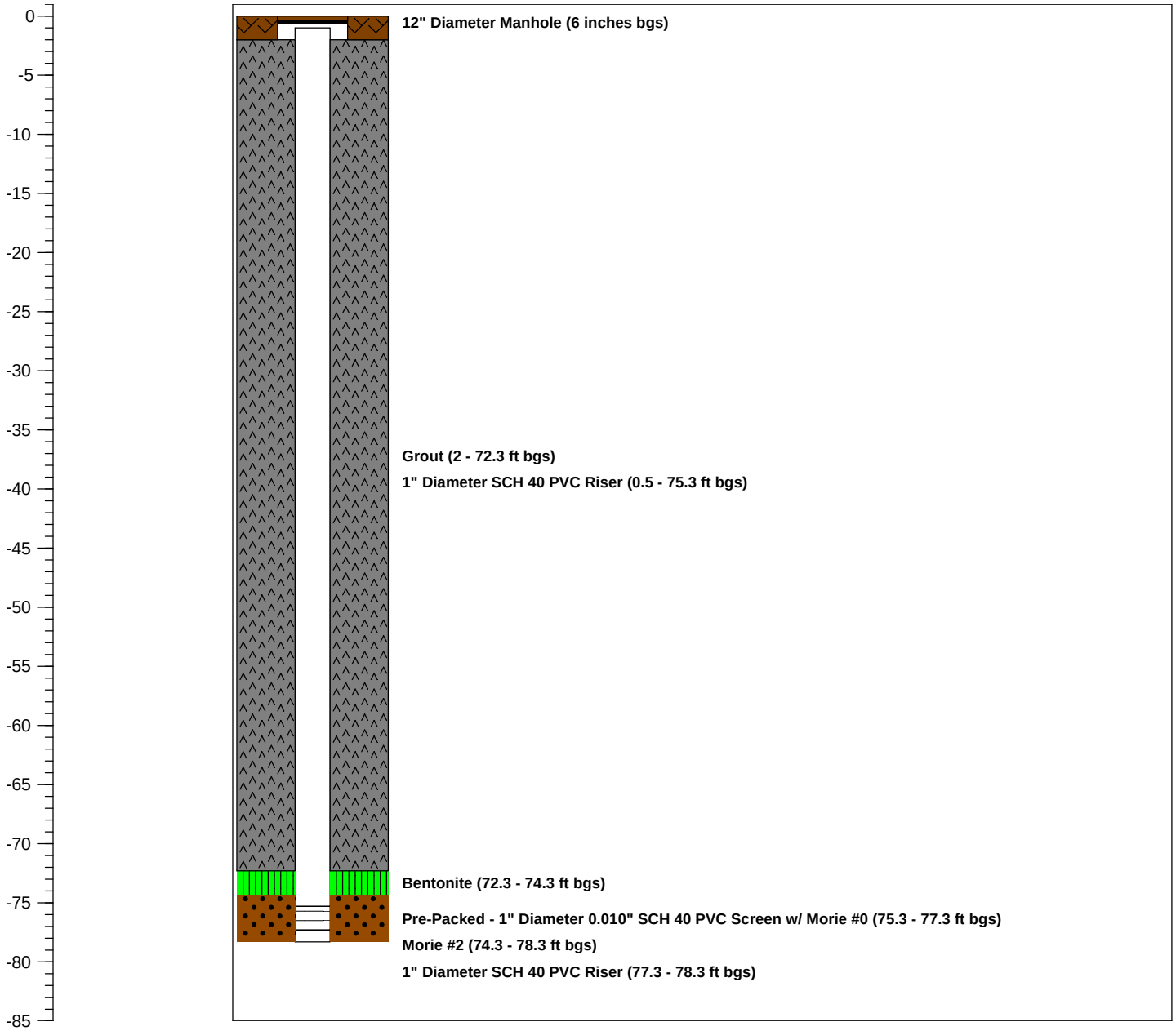
TOTAL DEPTH: **78.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-18D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/9/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

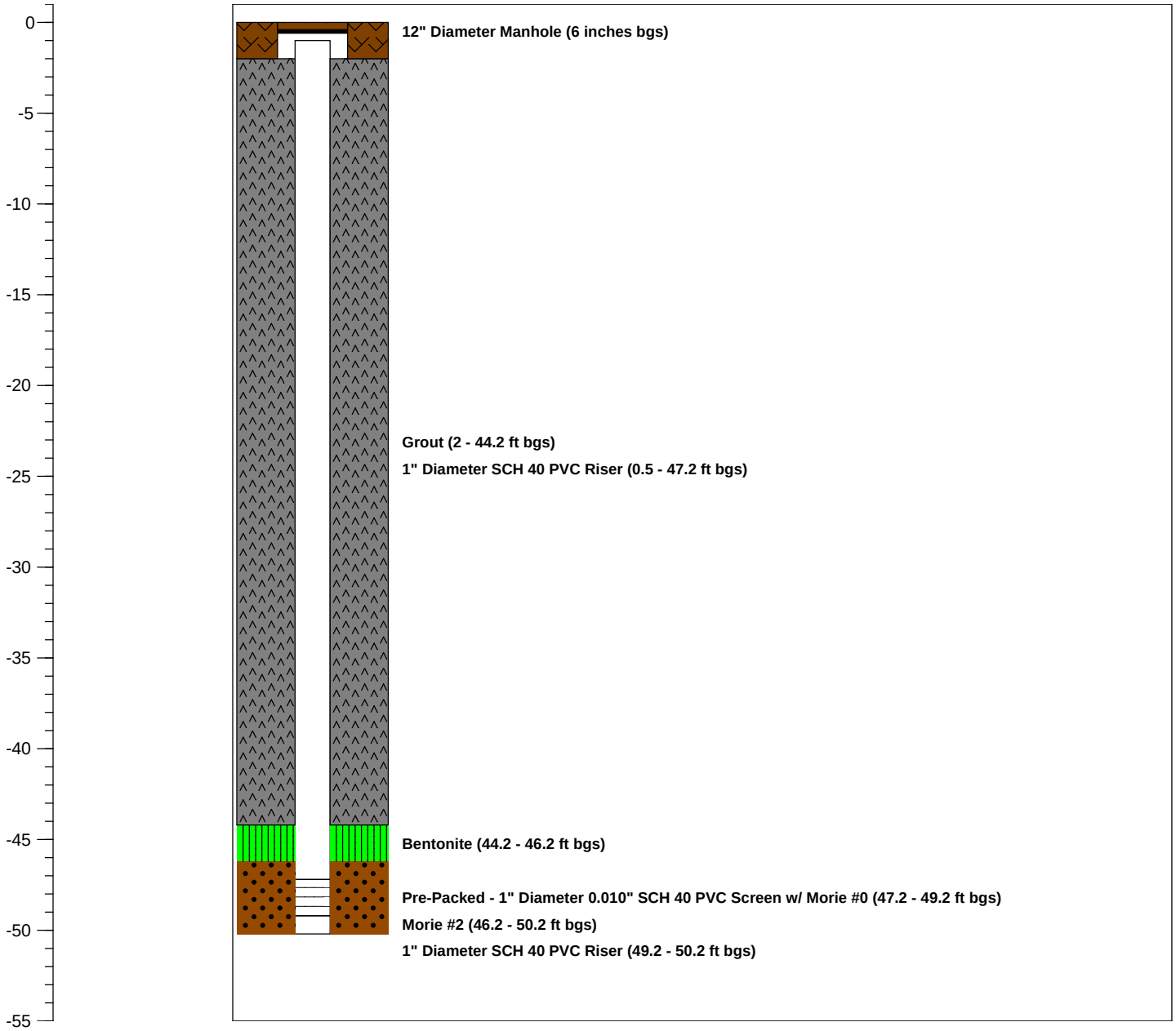
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**50.2'**	WELL NO.:	**OW-1-18S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/3/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

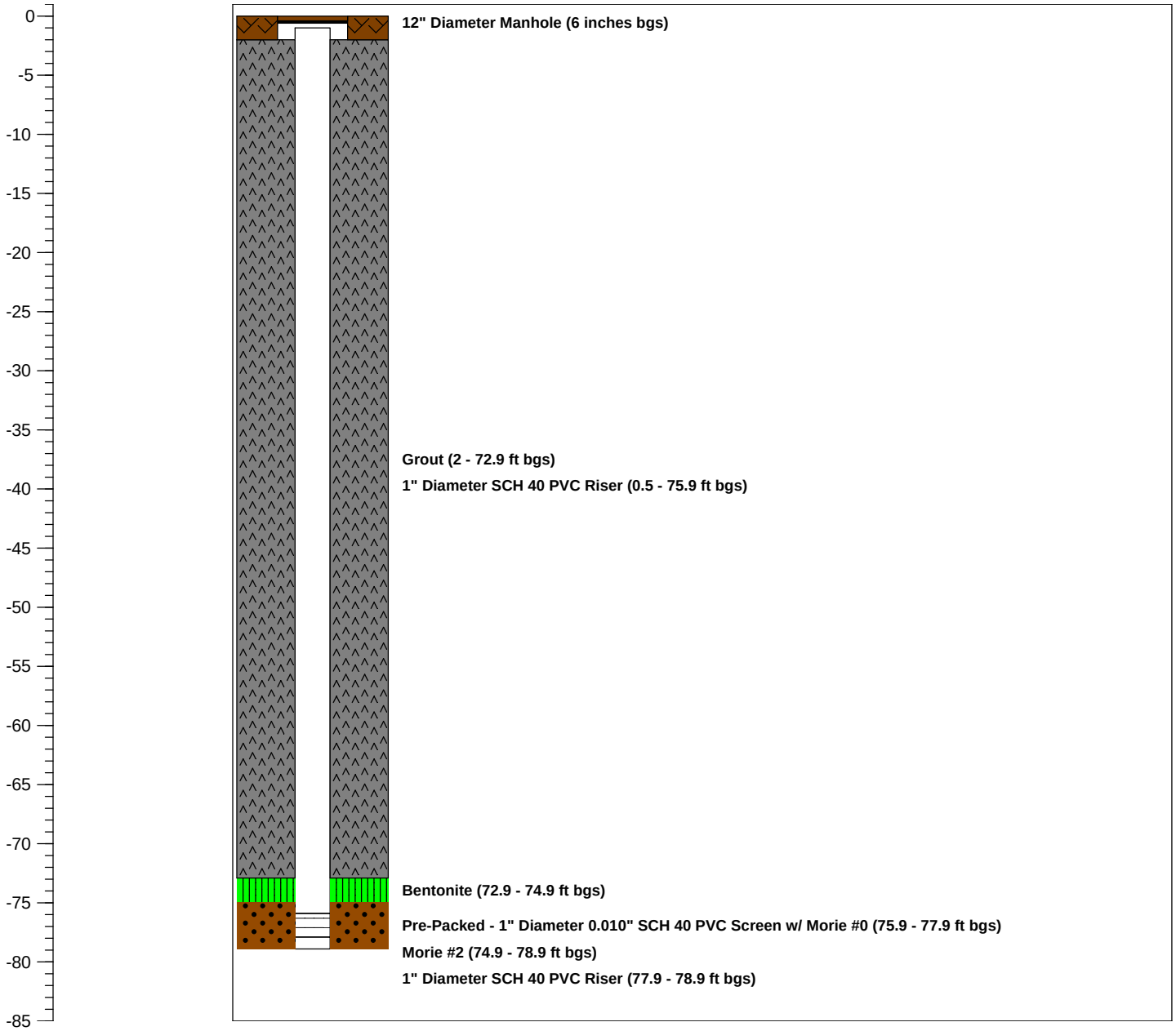
TOTAL DEPTH: **78.9'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-19D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/9/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

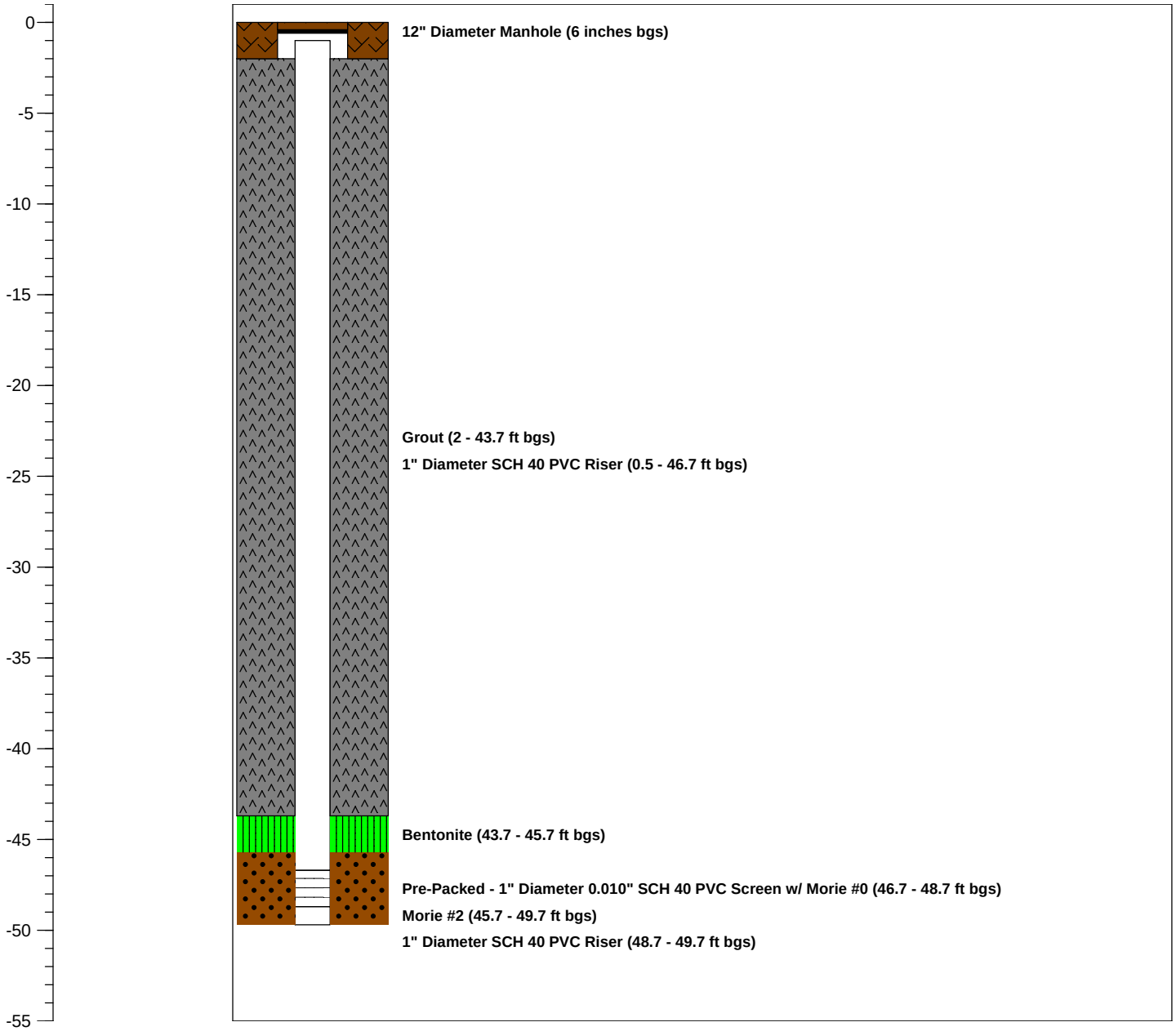
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**49.7'**	WELL NO.:	**OW-1-19S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/3/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

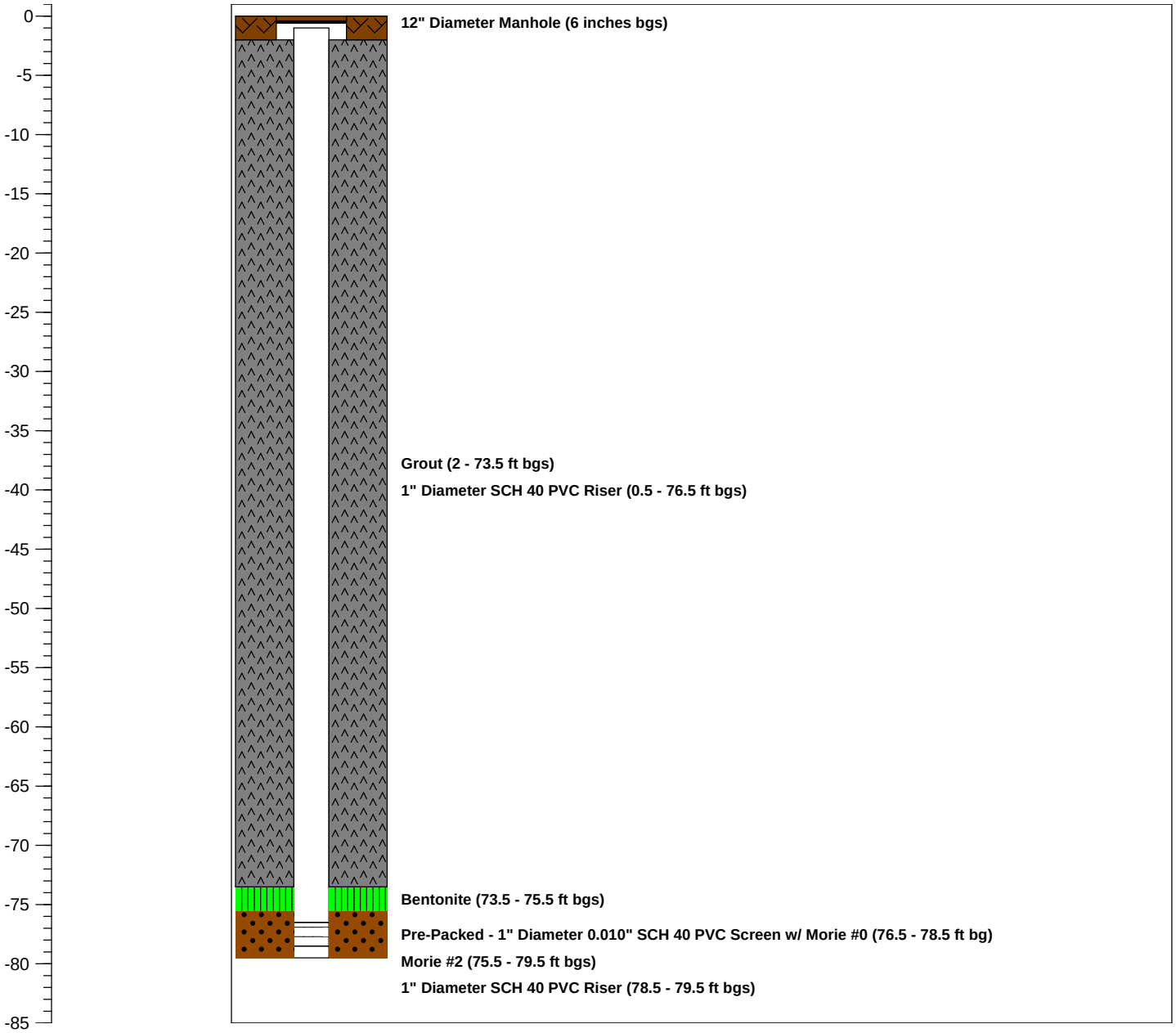
TOTAL DEPTH: **79.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-20D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/13/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

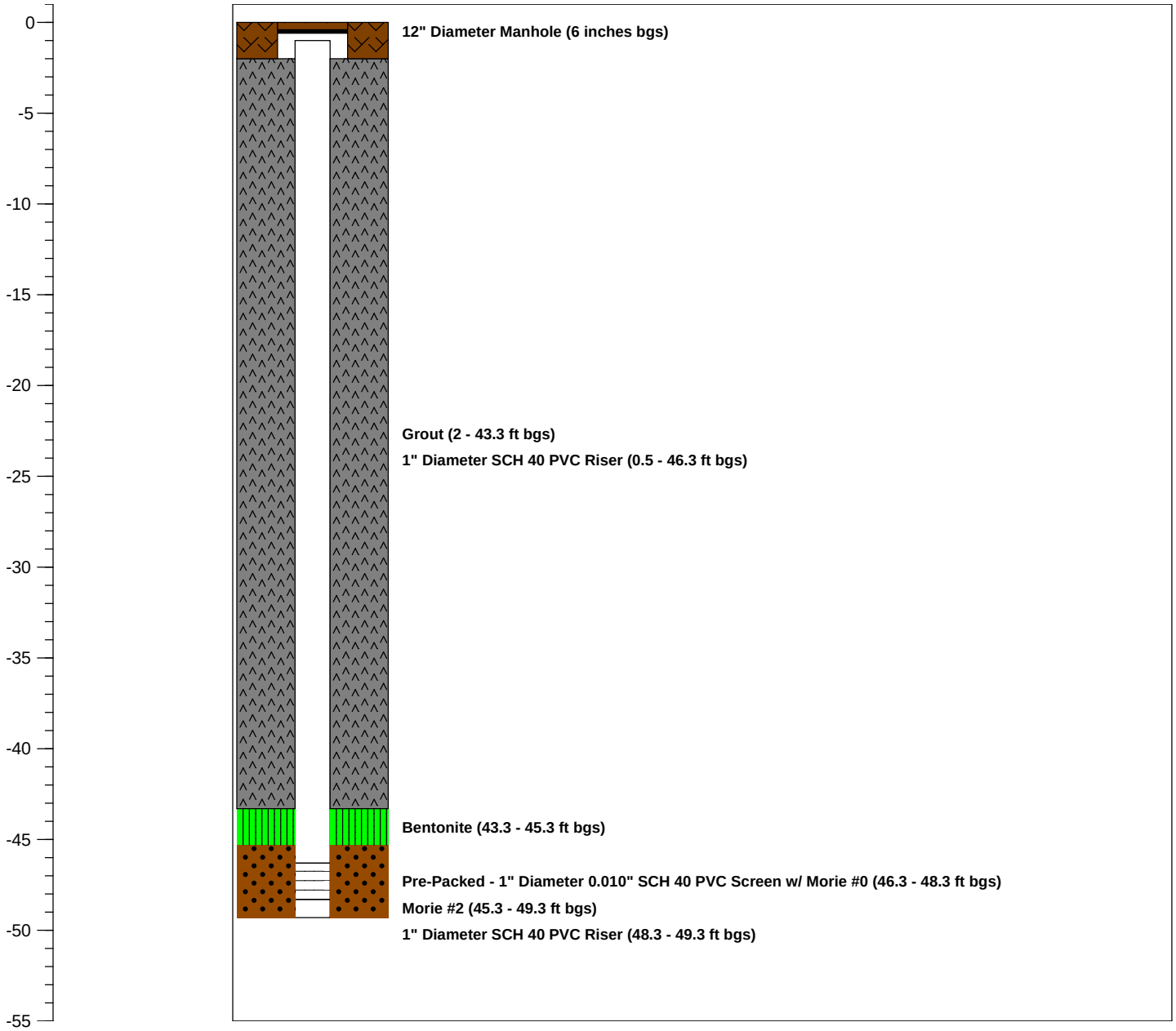
TOTAL DEPTH: **49.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-20S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/2/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

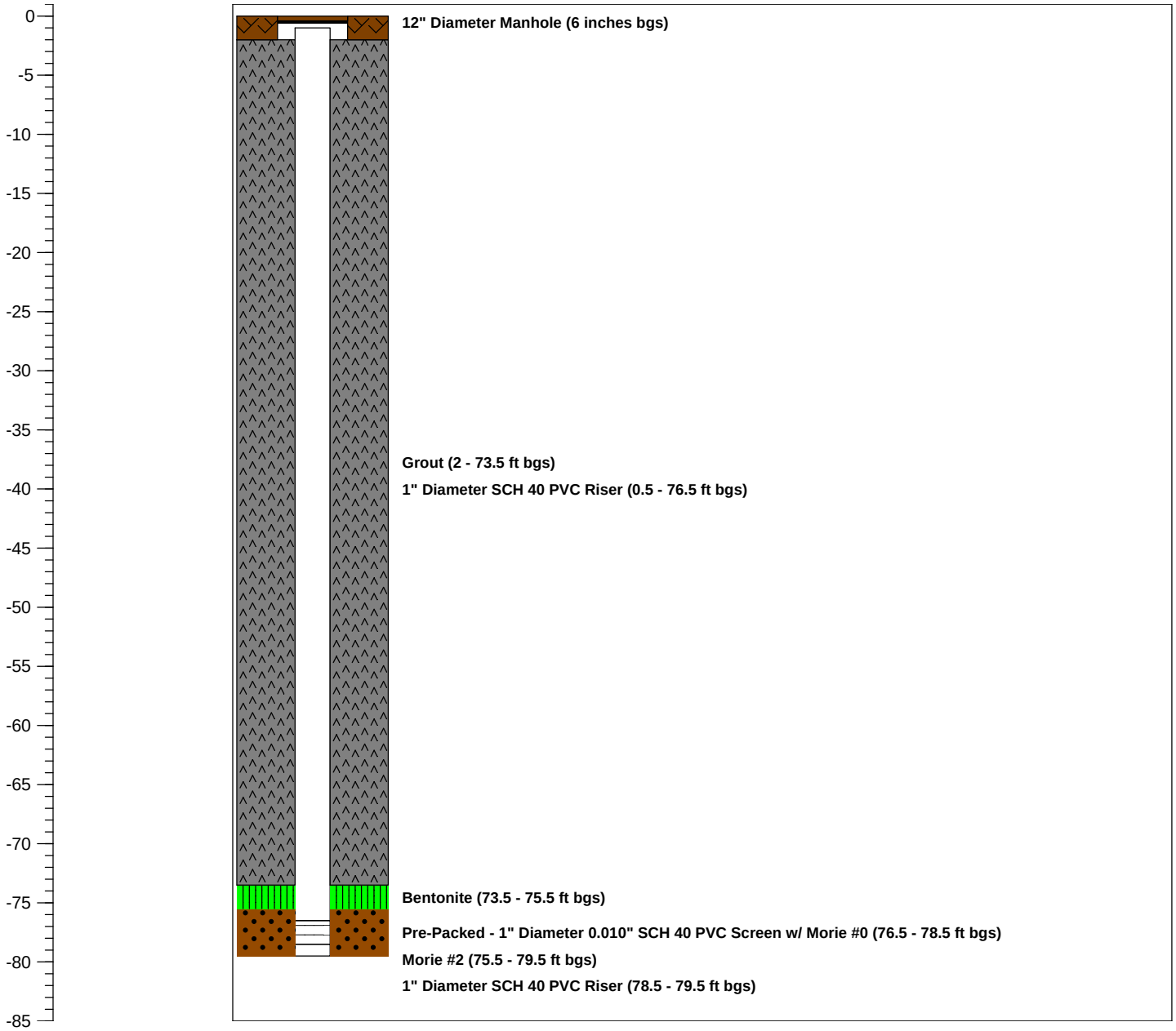
TOTAL DEPTH: **79.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-21D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/13/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

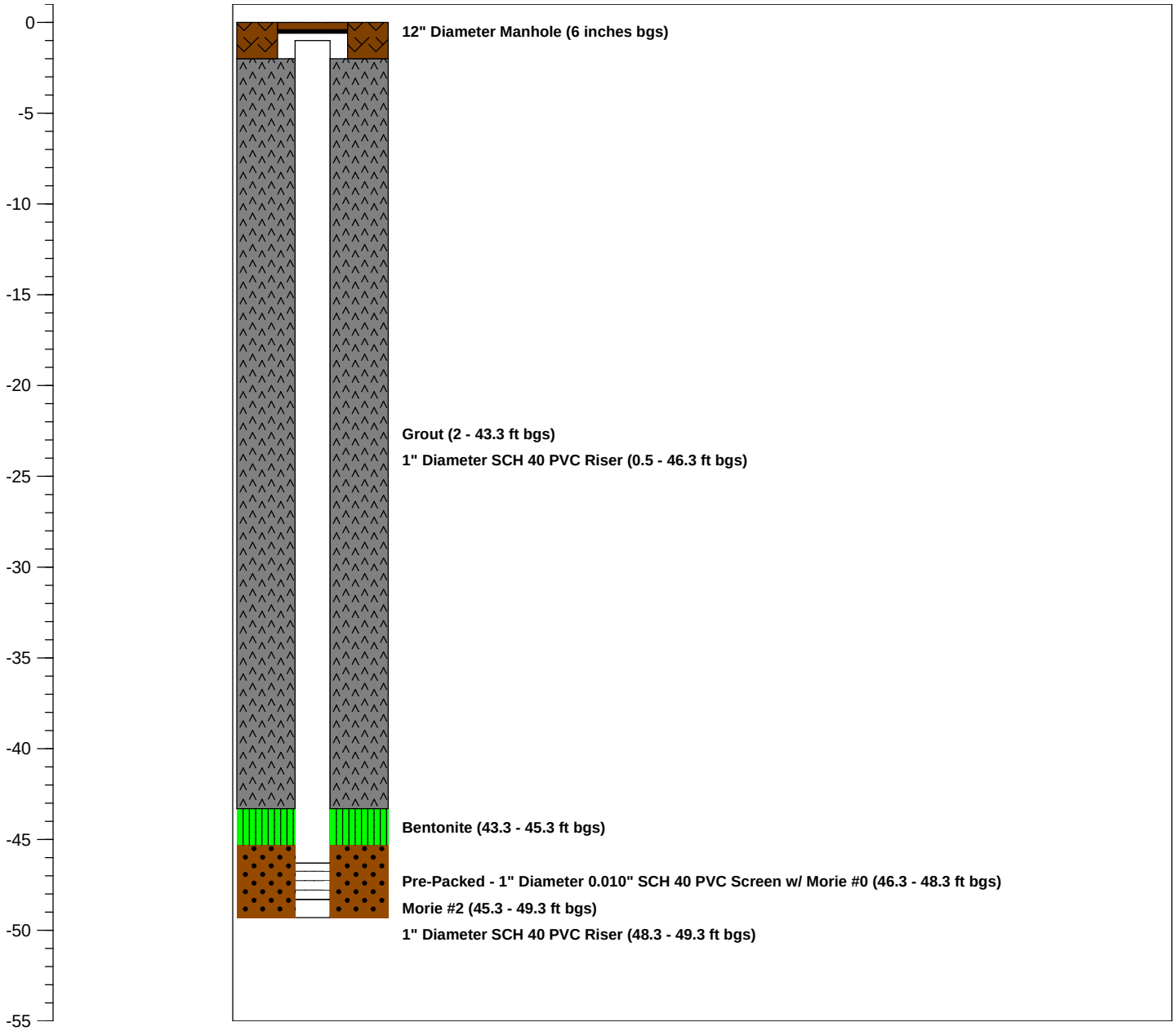
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**49.3'**	WELL NO.:	**OW-1-21S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/2/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

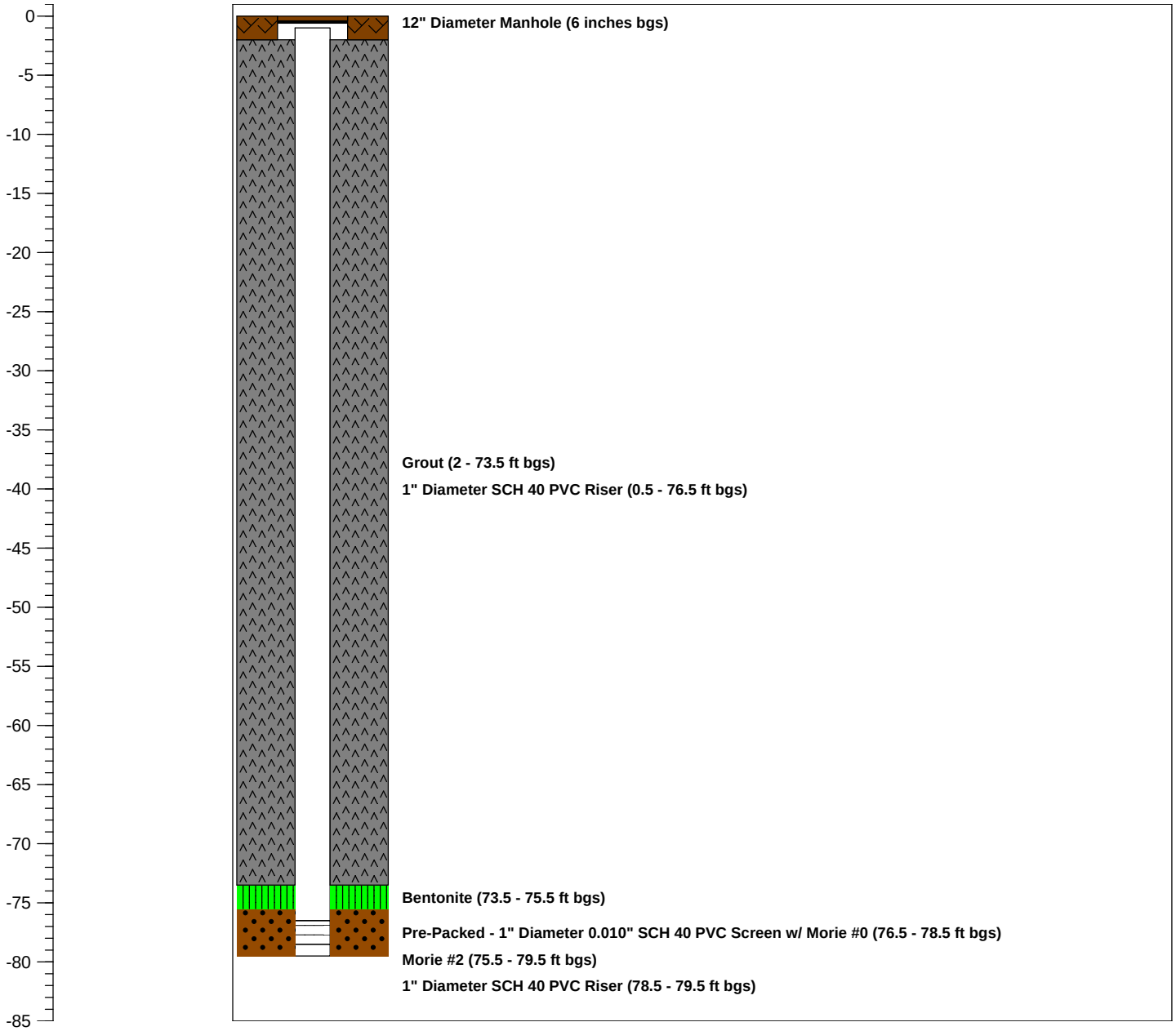
TOTAL DEPTH: **79.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-22D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/13/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

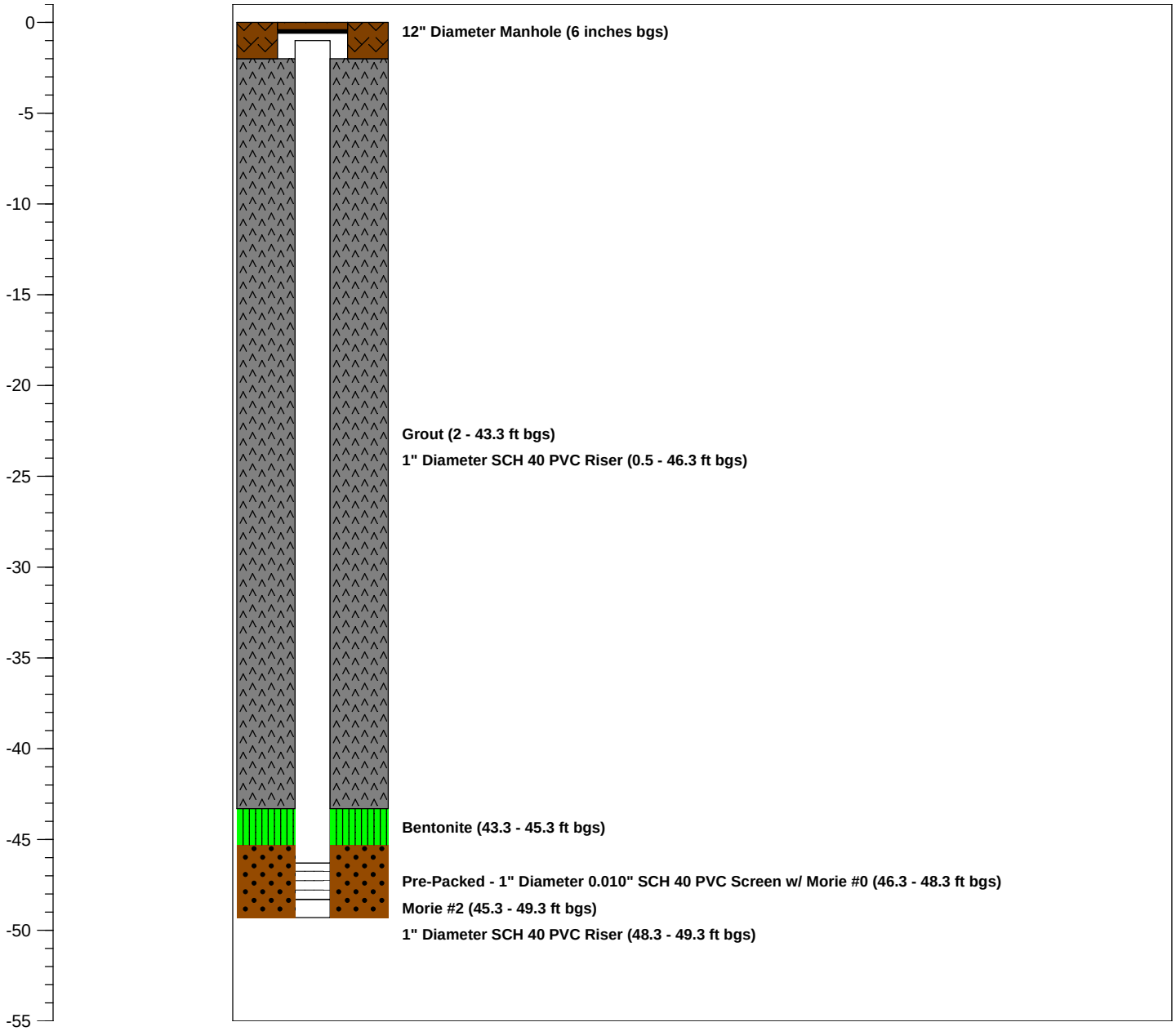
TOTAL DEPTH: **49.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-22S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/6/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

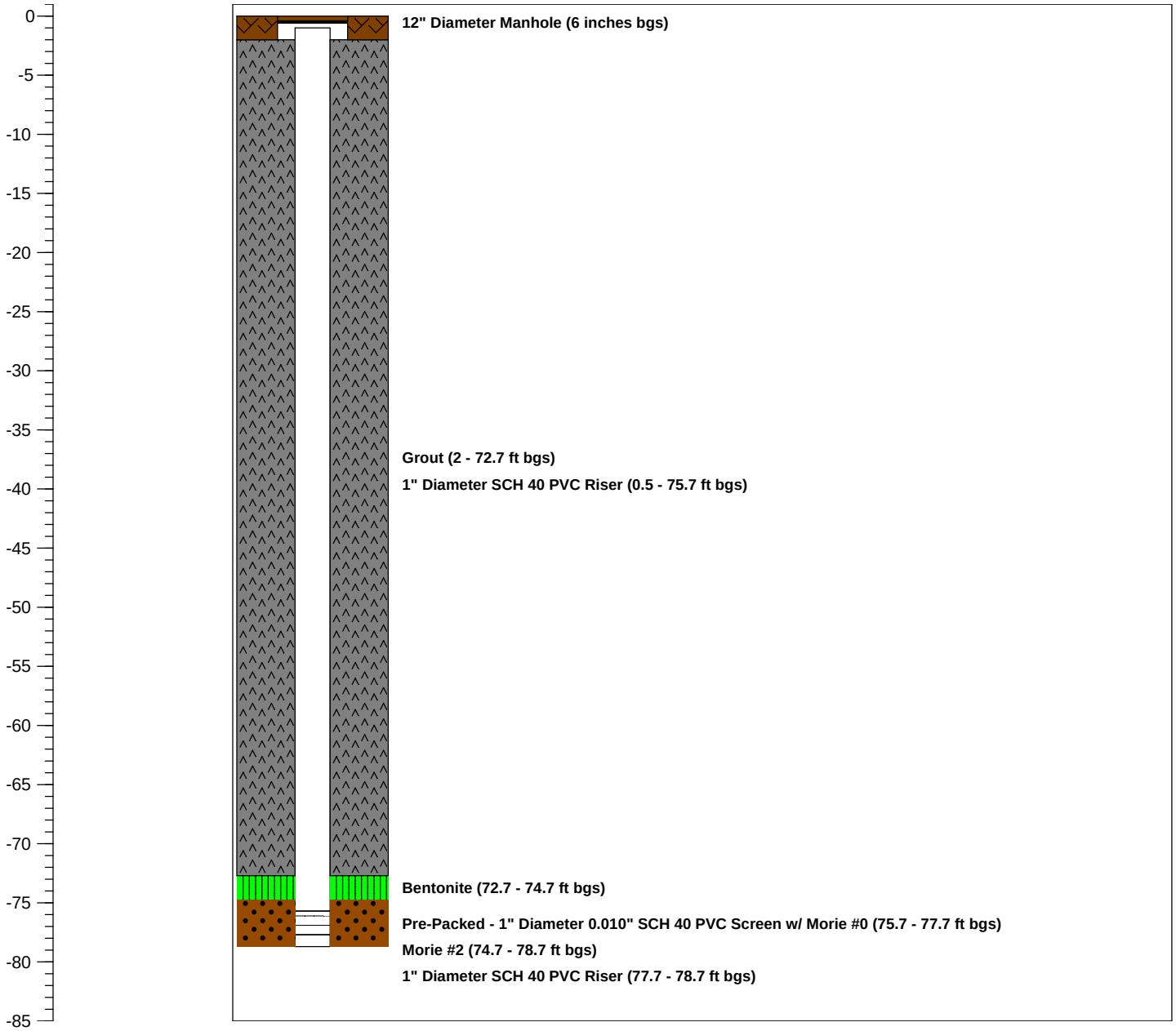
TOTAL DEPTH: **78.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-23D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/14/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

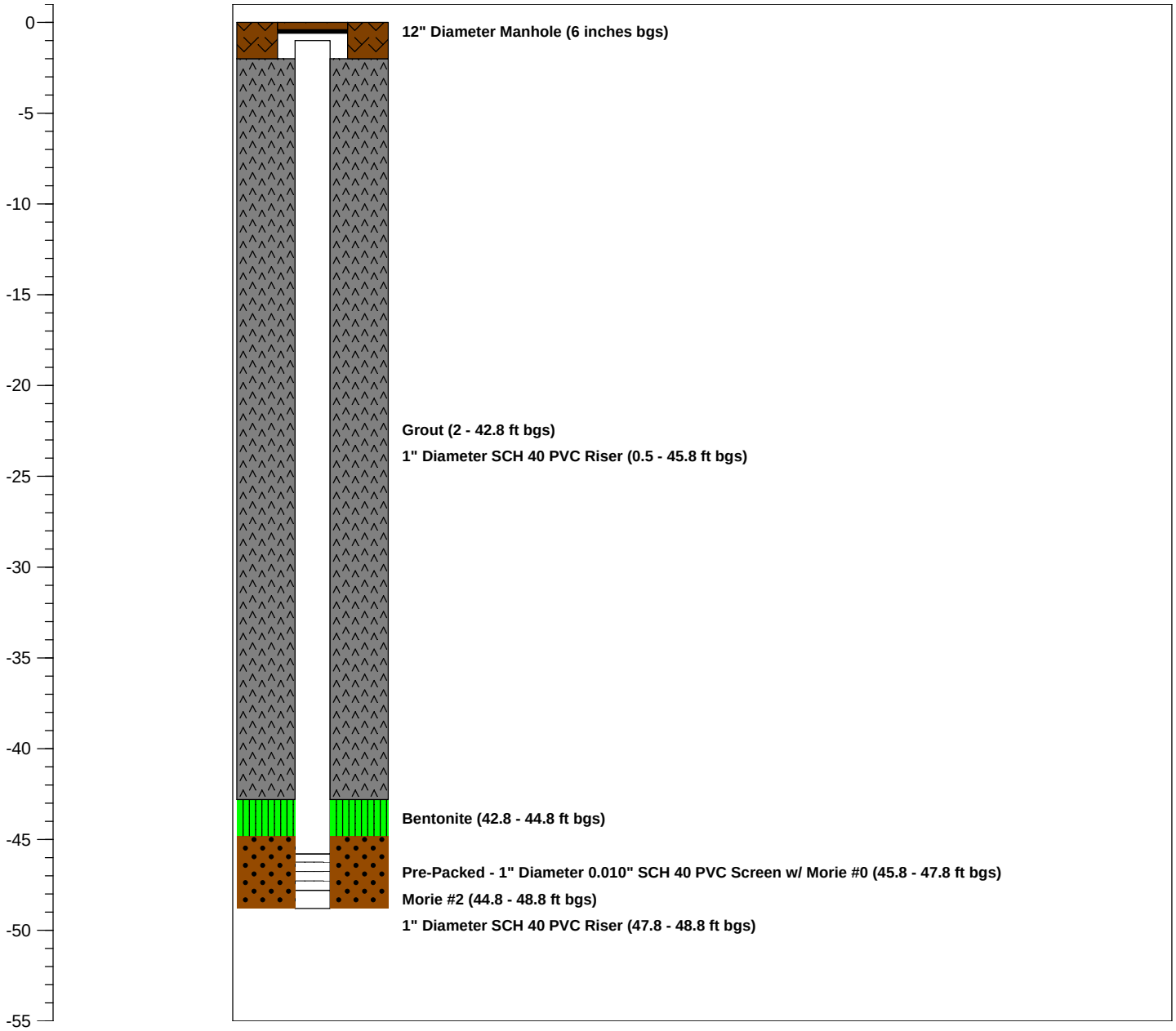
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.8'**	WELL NO.:	**OW-1-23S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/6/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

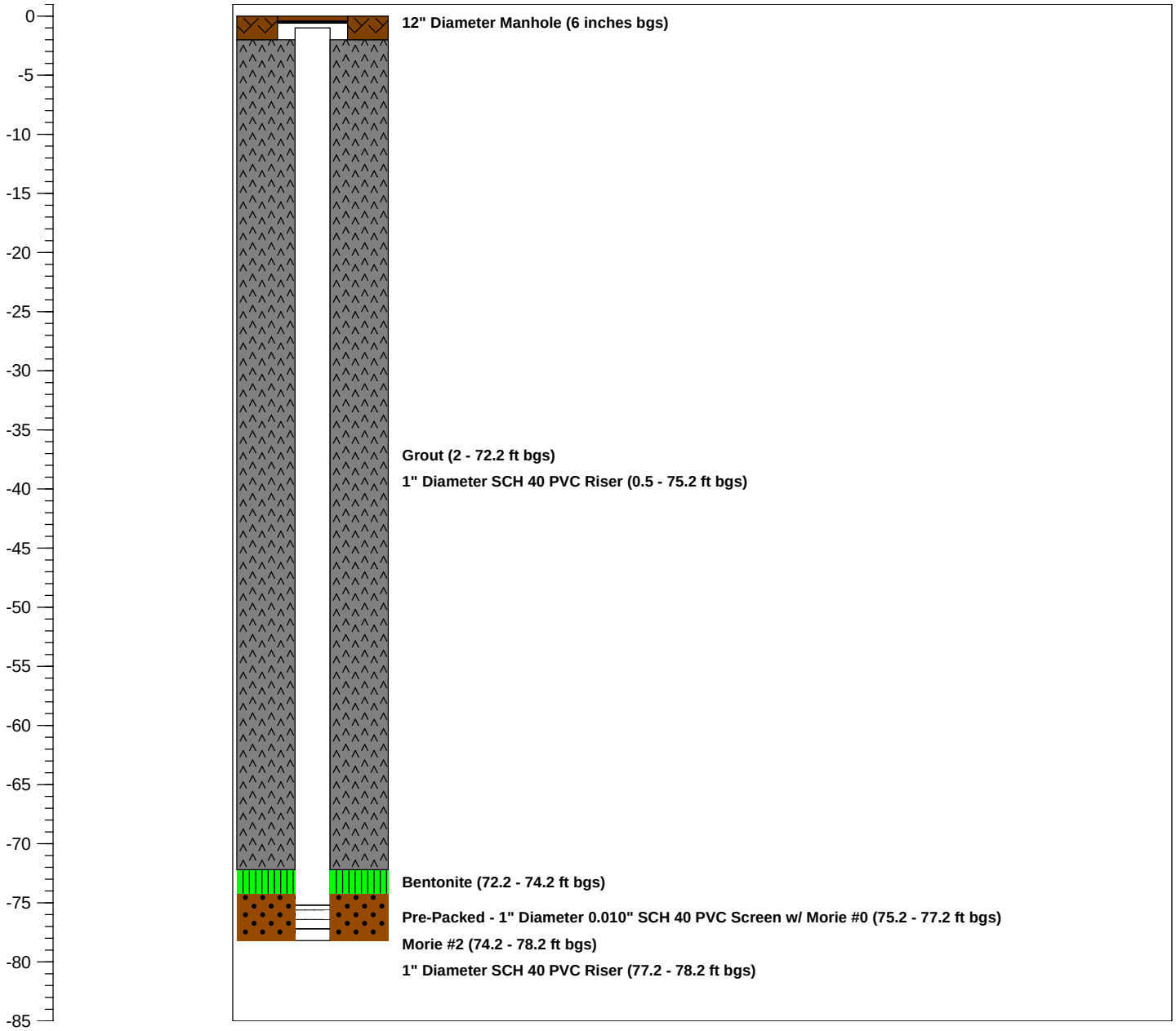
TOTAL DEPTH: **78.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-24D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/2/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

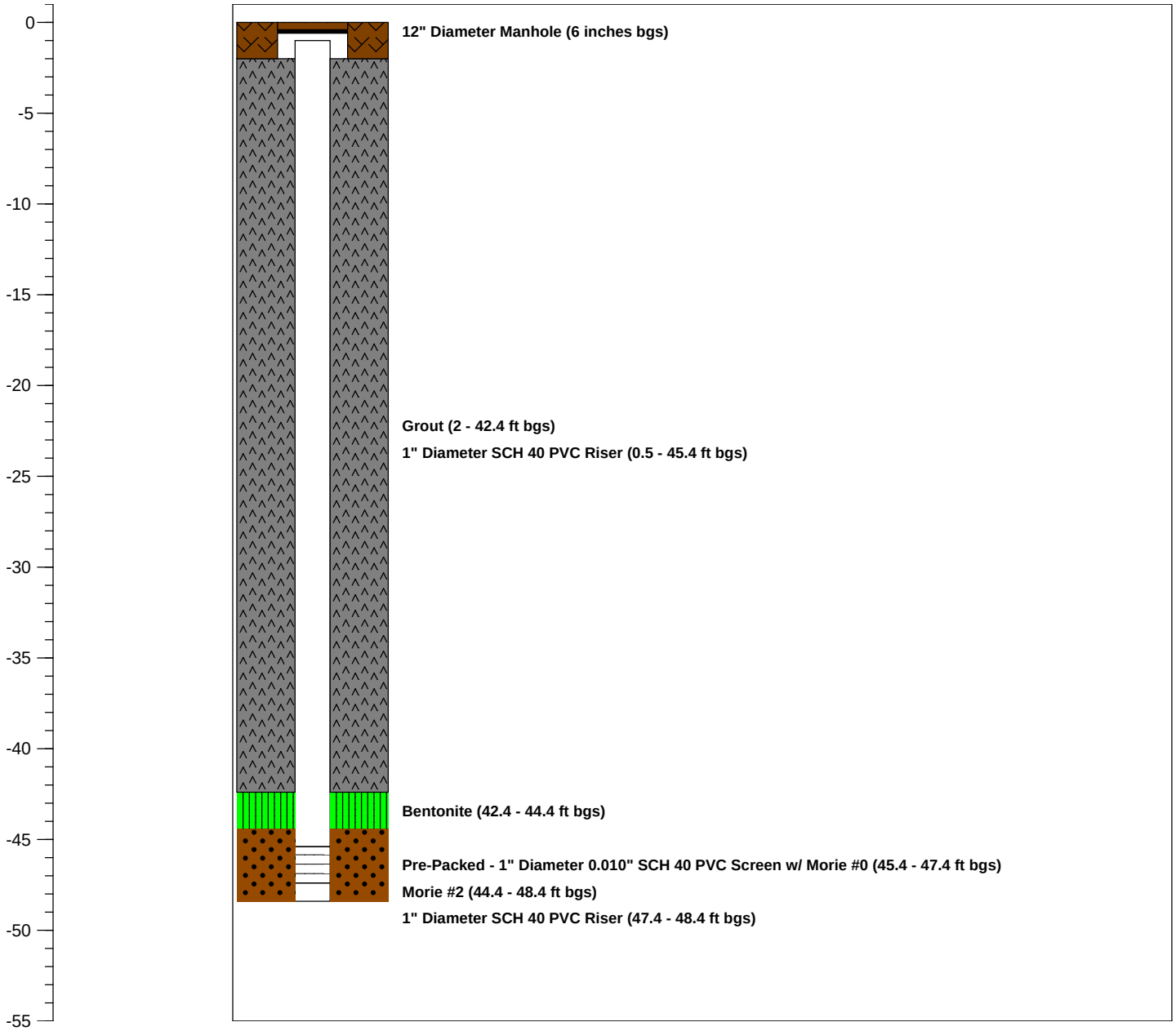
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.4'**	WELL NO.:	**OW-1-24S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**12/2/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

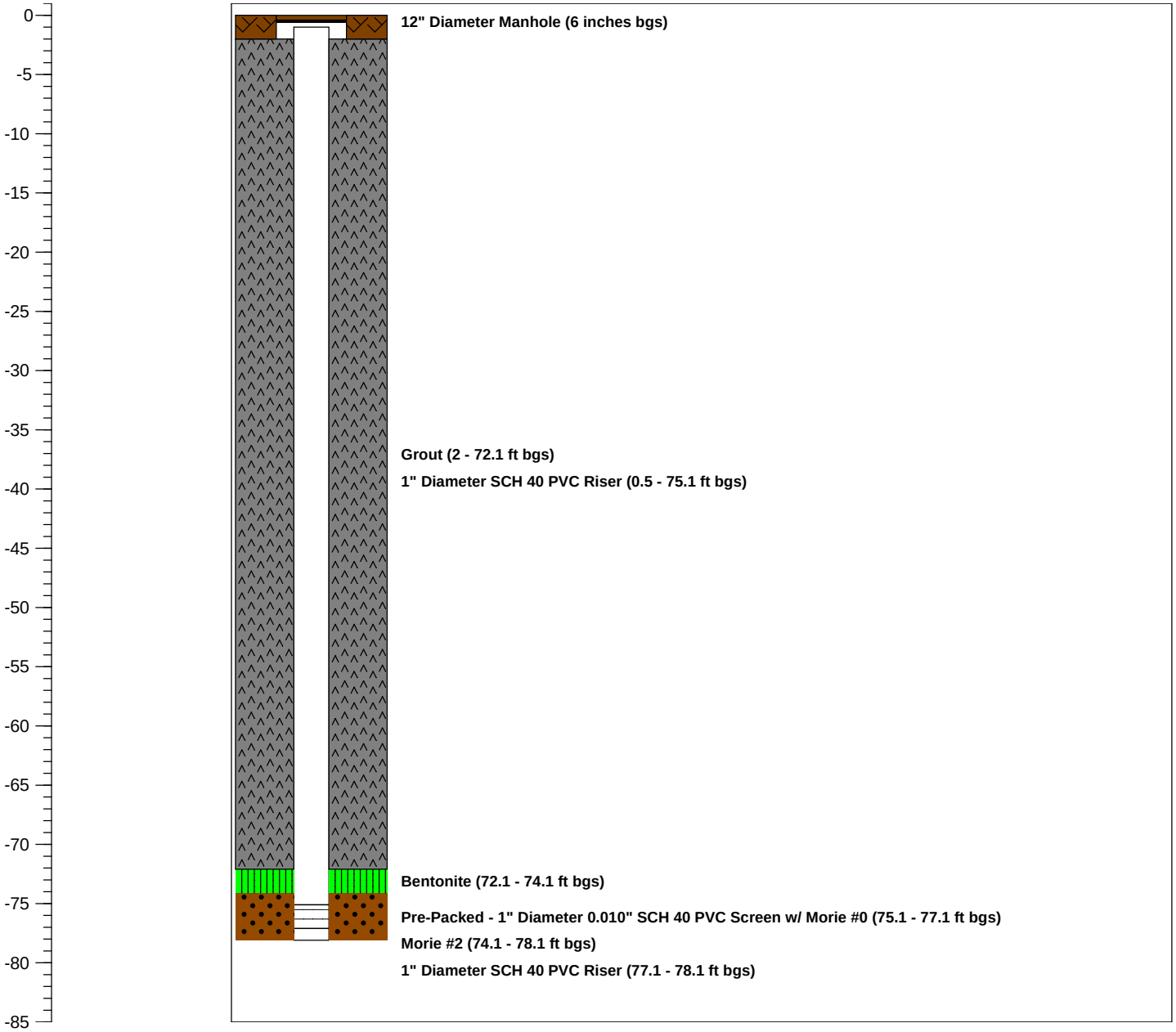
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**78.1'**	WELL NO.:	**OW-1-25D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/23/10**	Sampling Method:	-
Driller:	**Dave Gardiner**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

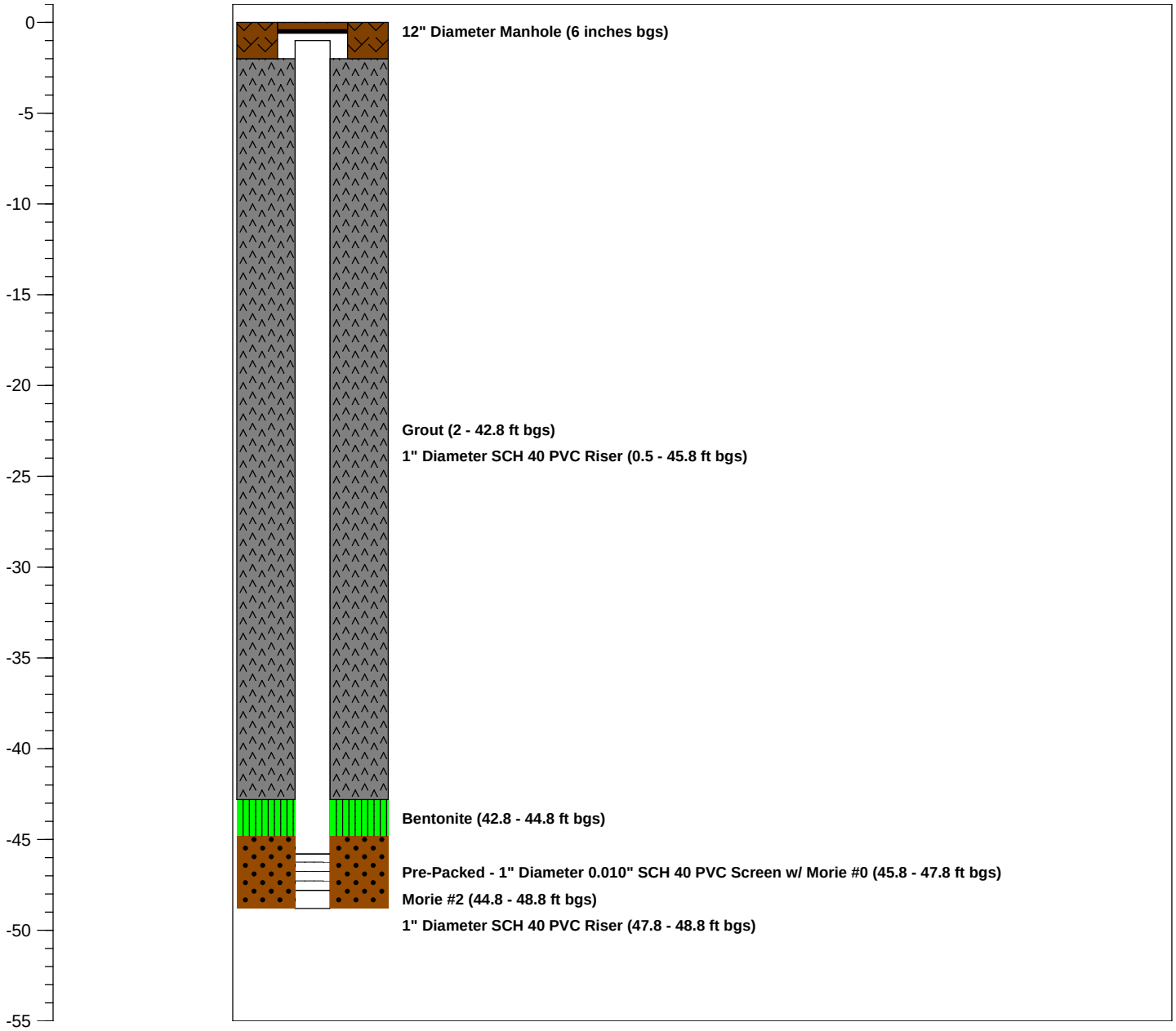
TOTAL DEPTH: **48.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-25S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/29/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

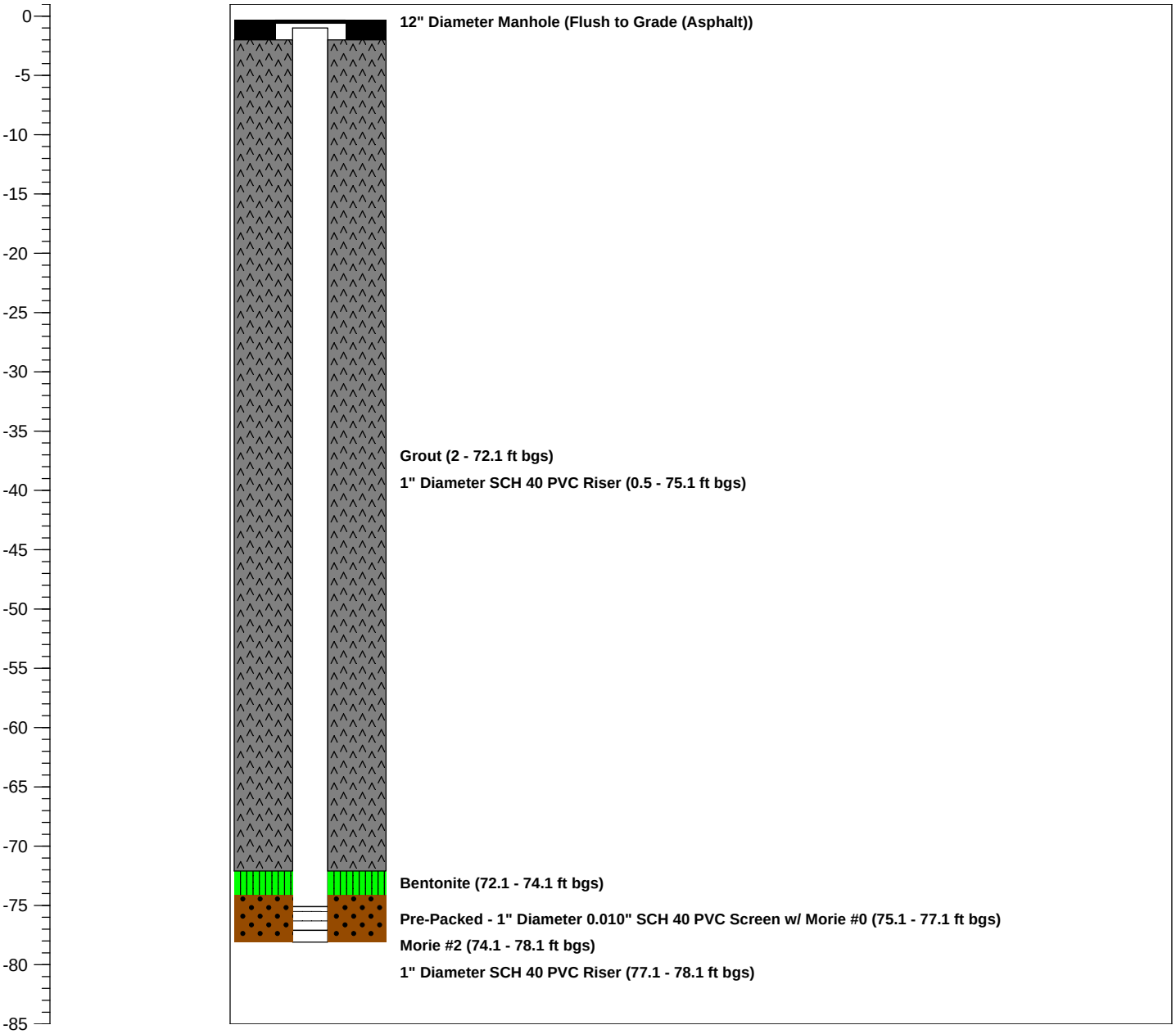
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**78.1'**	WELL NO.:	**OW-1-26D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/22/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

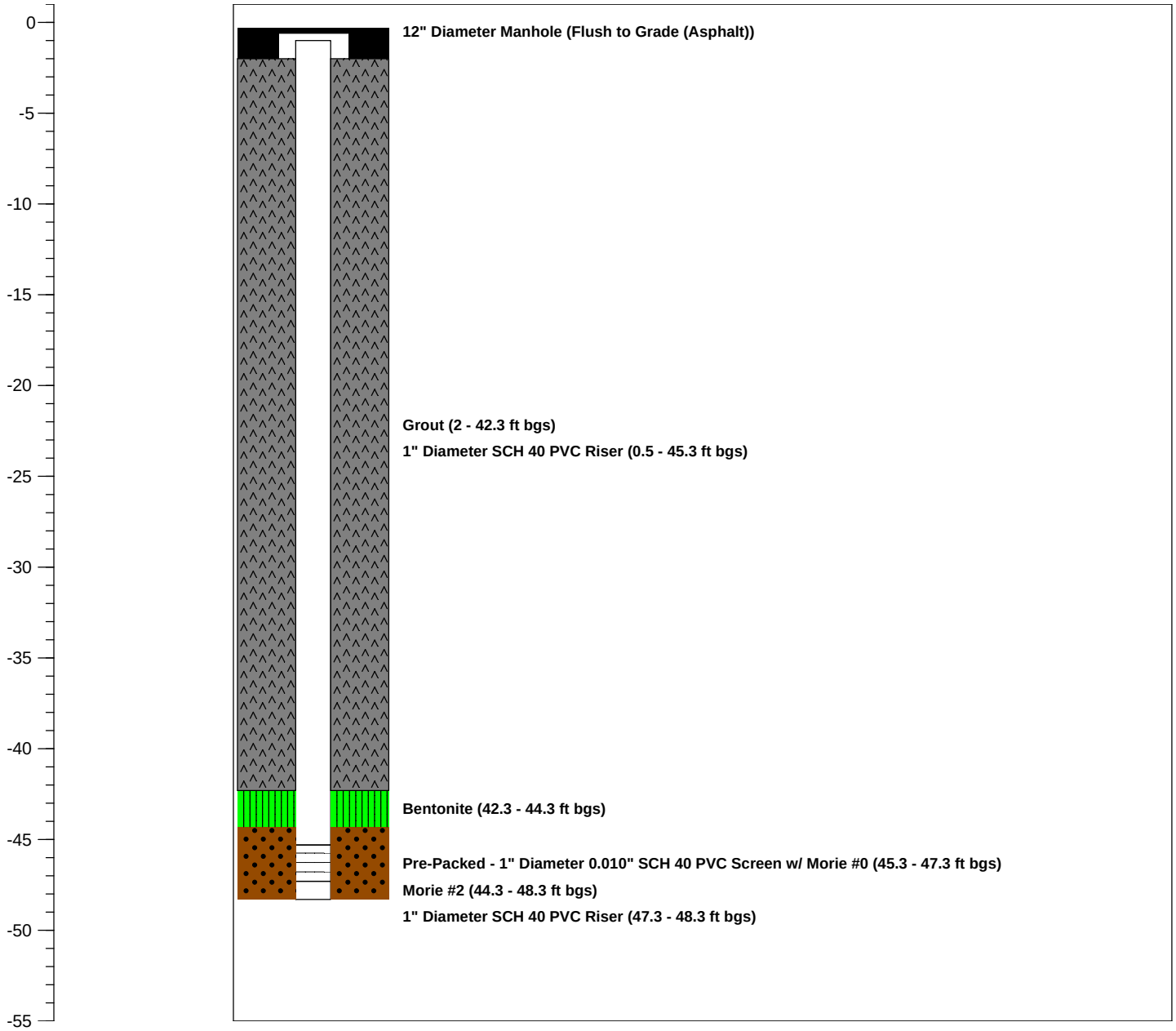
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.3'**	WELL NO.:	**OW-1-26S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/29/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

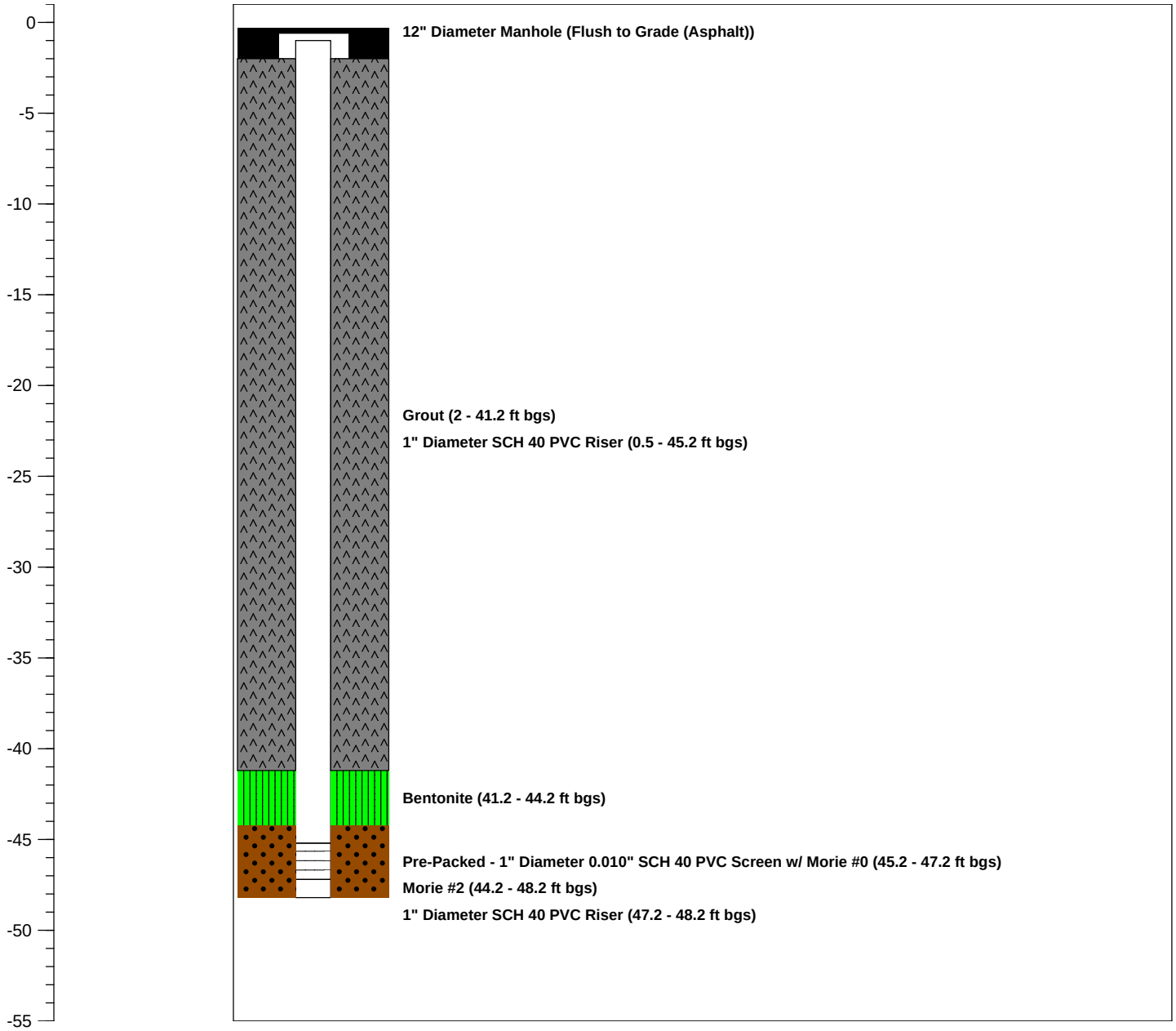
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.2'**	WELL NO.:	**OW-1-26SR**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**3/17/11**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

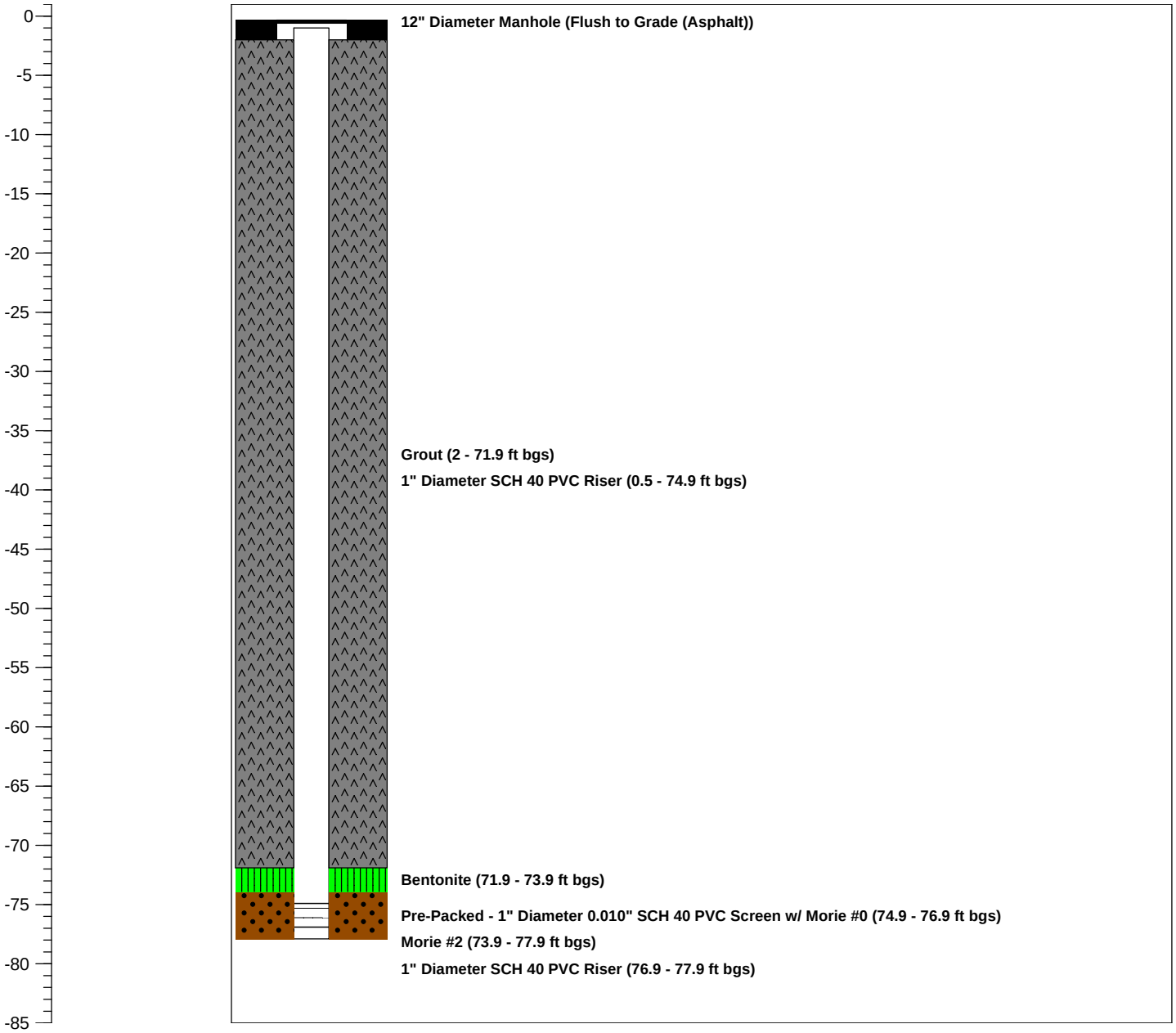
TOTAL DEPTH: **77.9'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-27D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/22/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

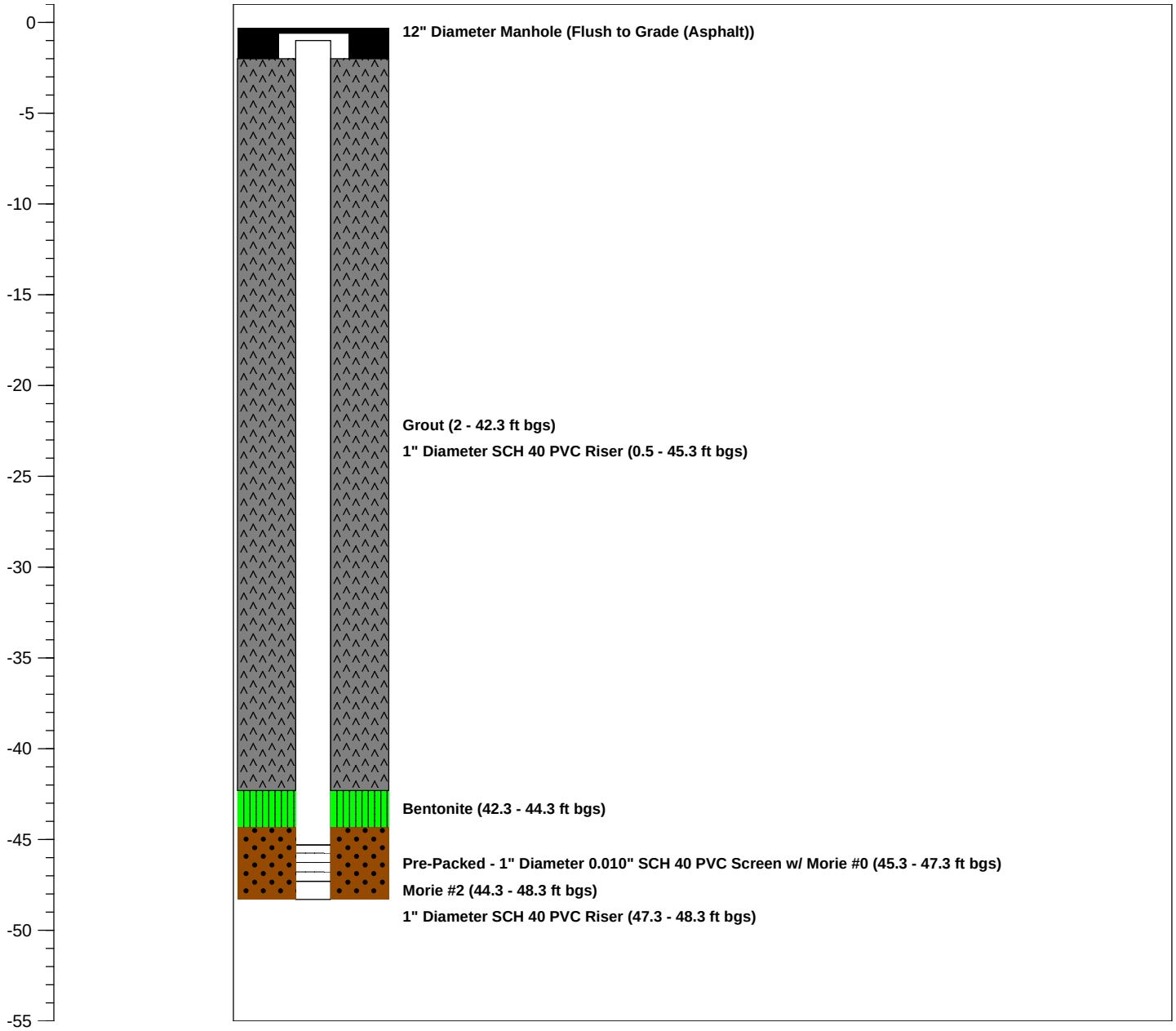
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.3'**	WELL NO.:	**OW-1-27S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/29/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

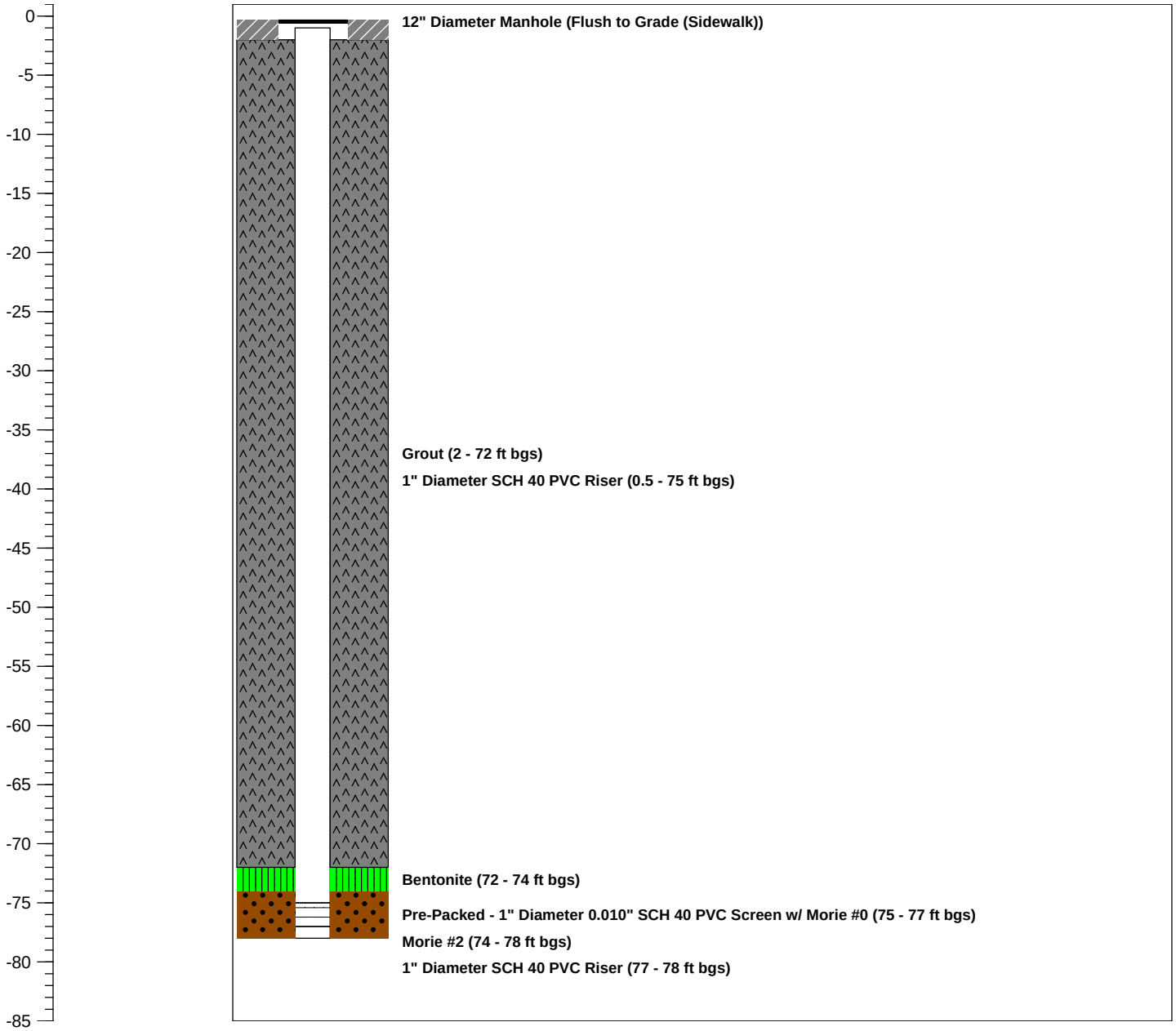
TOTAL DEPTH: **78.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-28D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/22/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

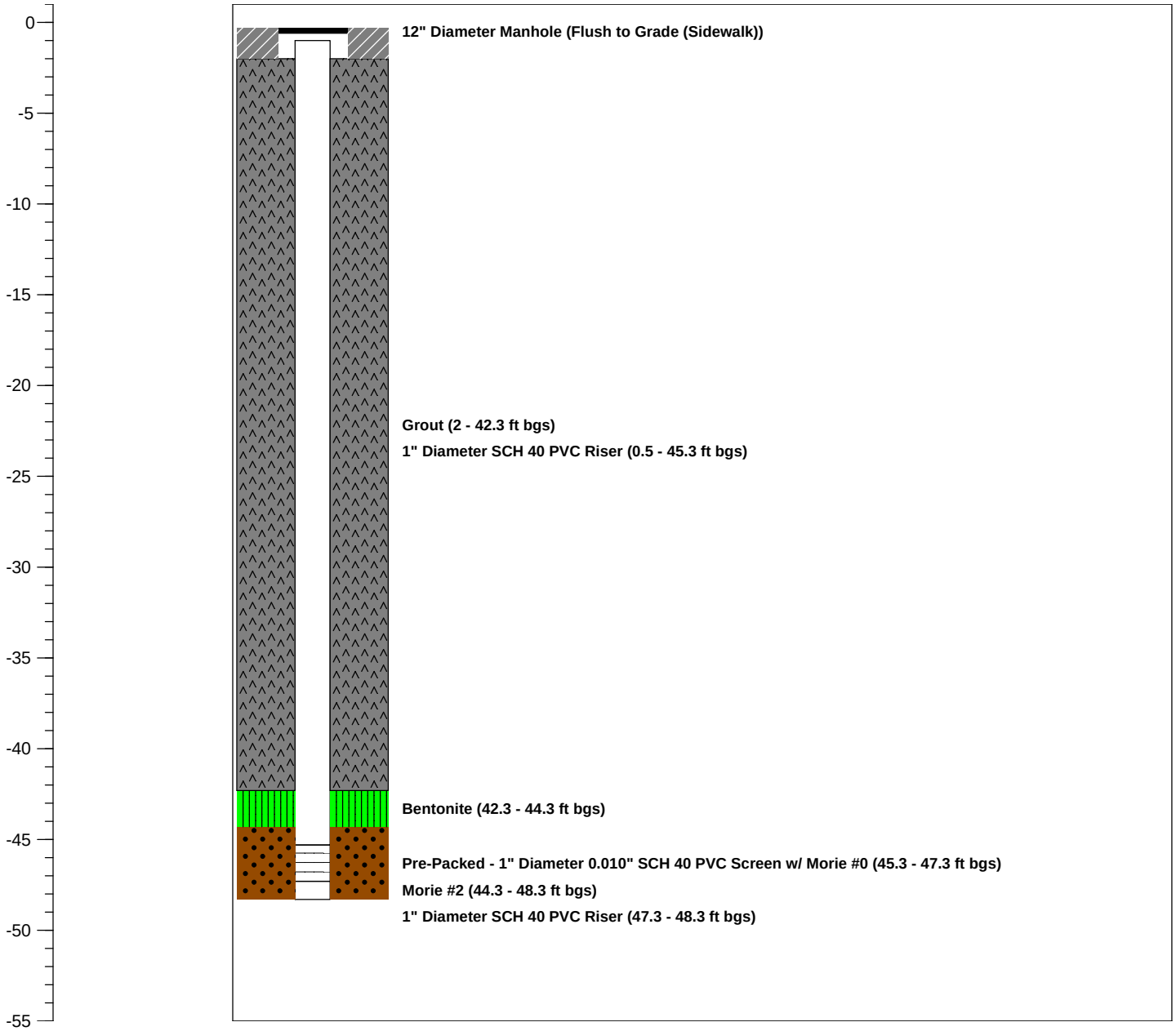
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.3'**	WELL NO.:	**OW-1-28S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/30/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

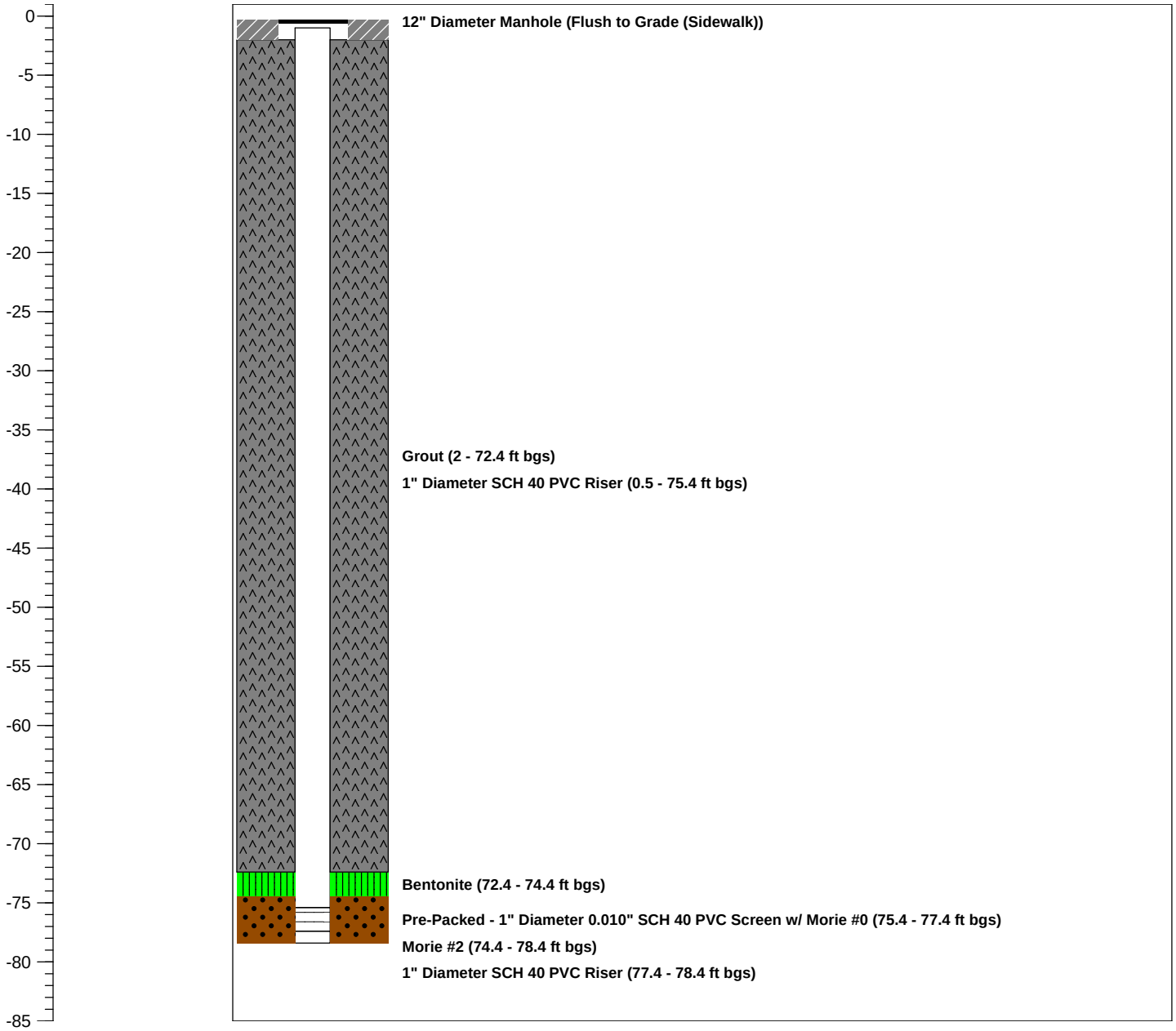
TOTAL DEPTH: **78.4'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-29D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/19/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

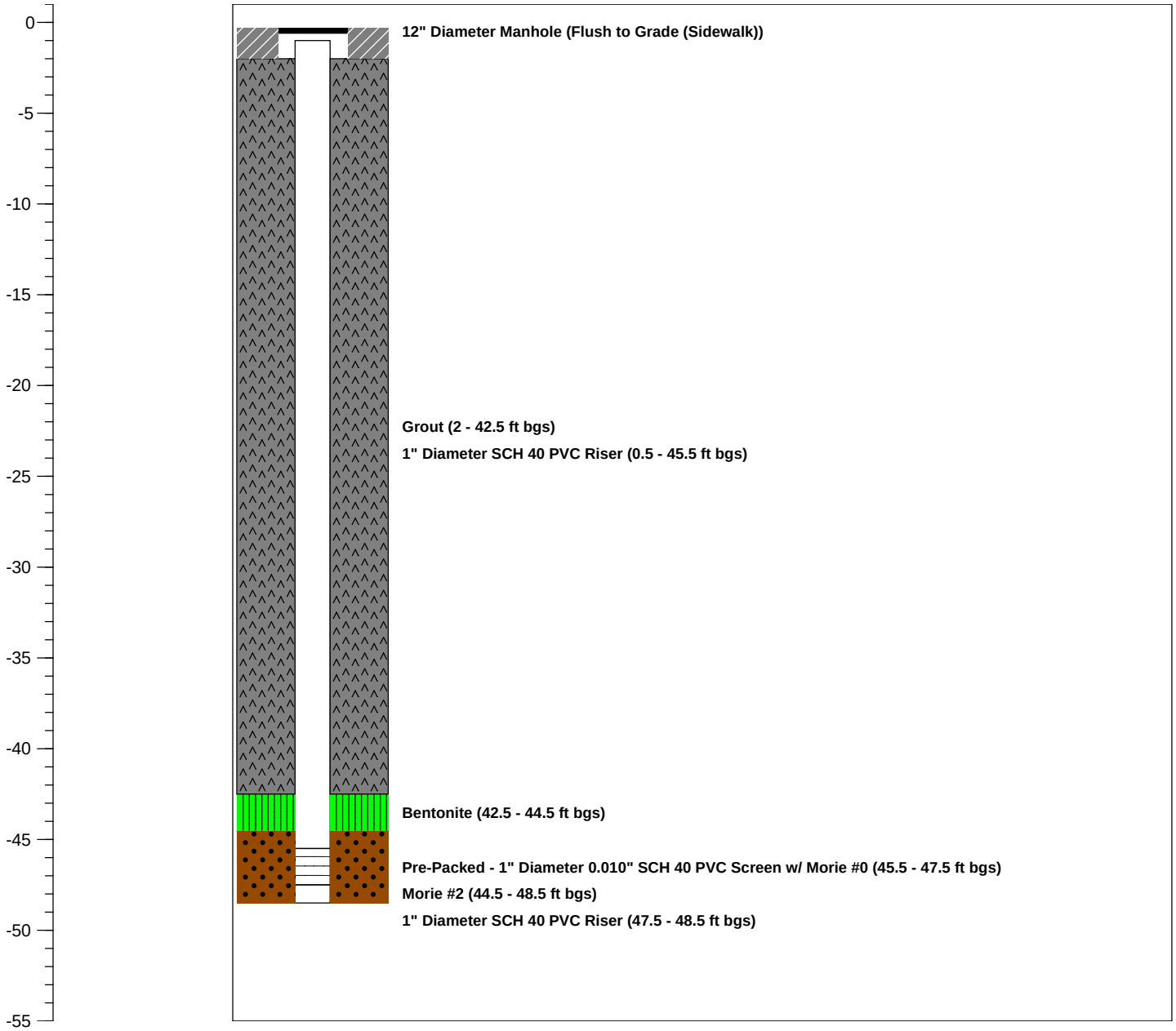
TOTAL DEPTH: **48.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-29S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/29/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

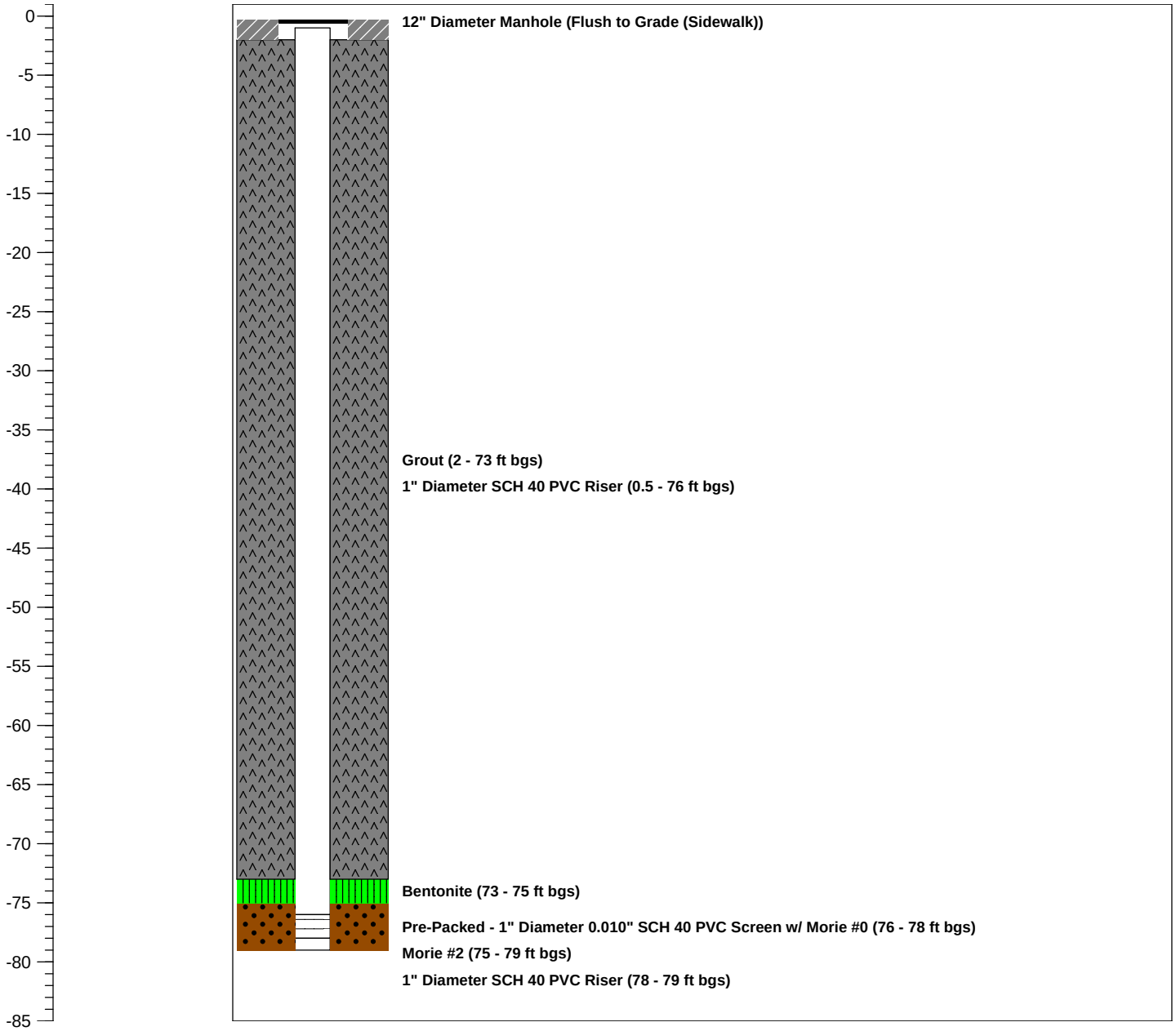
TOTAL DEPTH: **79.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-30D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/19/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

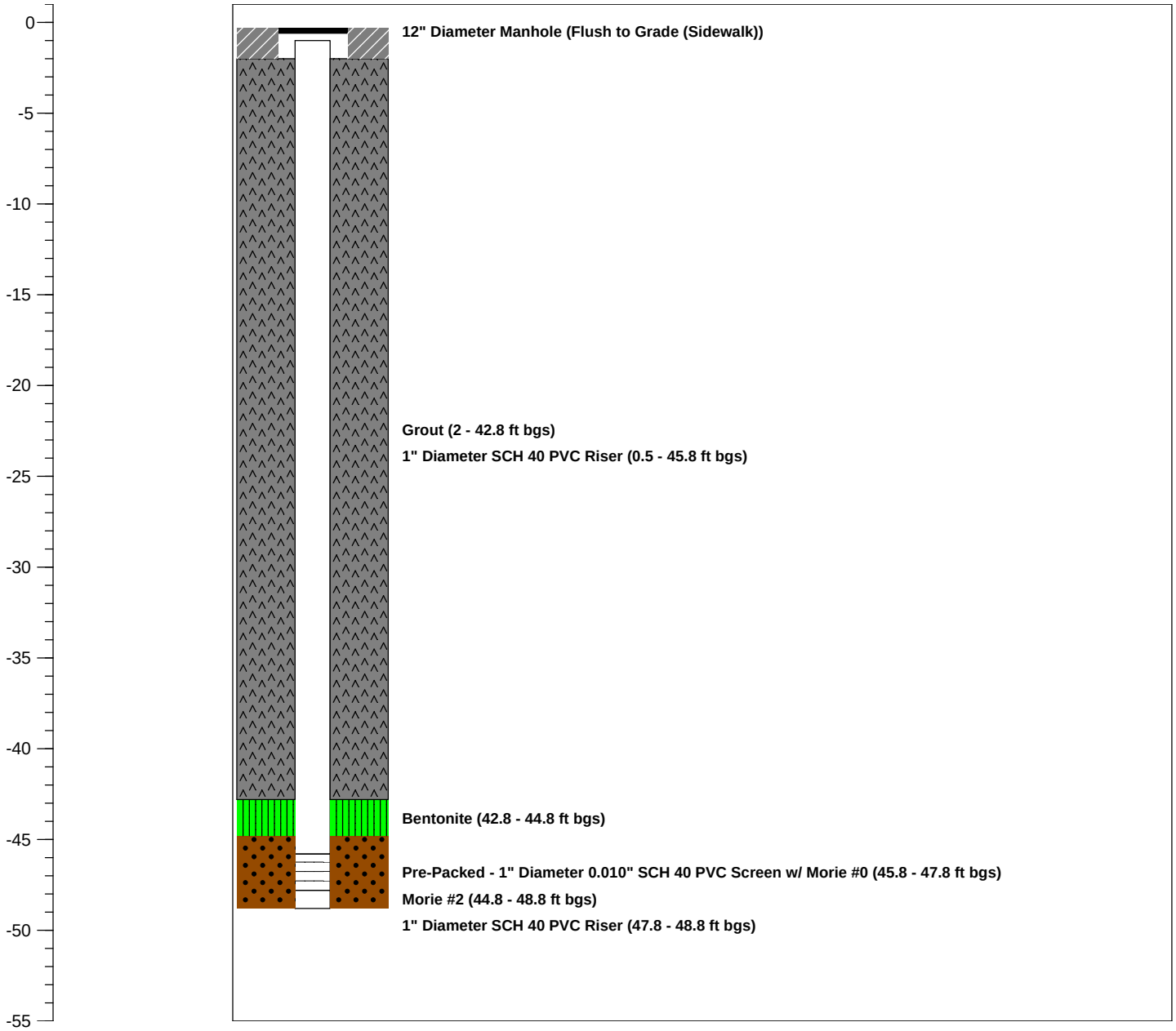
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**48.8'**	WELL NO.:	**OW-1-30S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/29/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

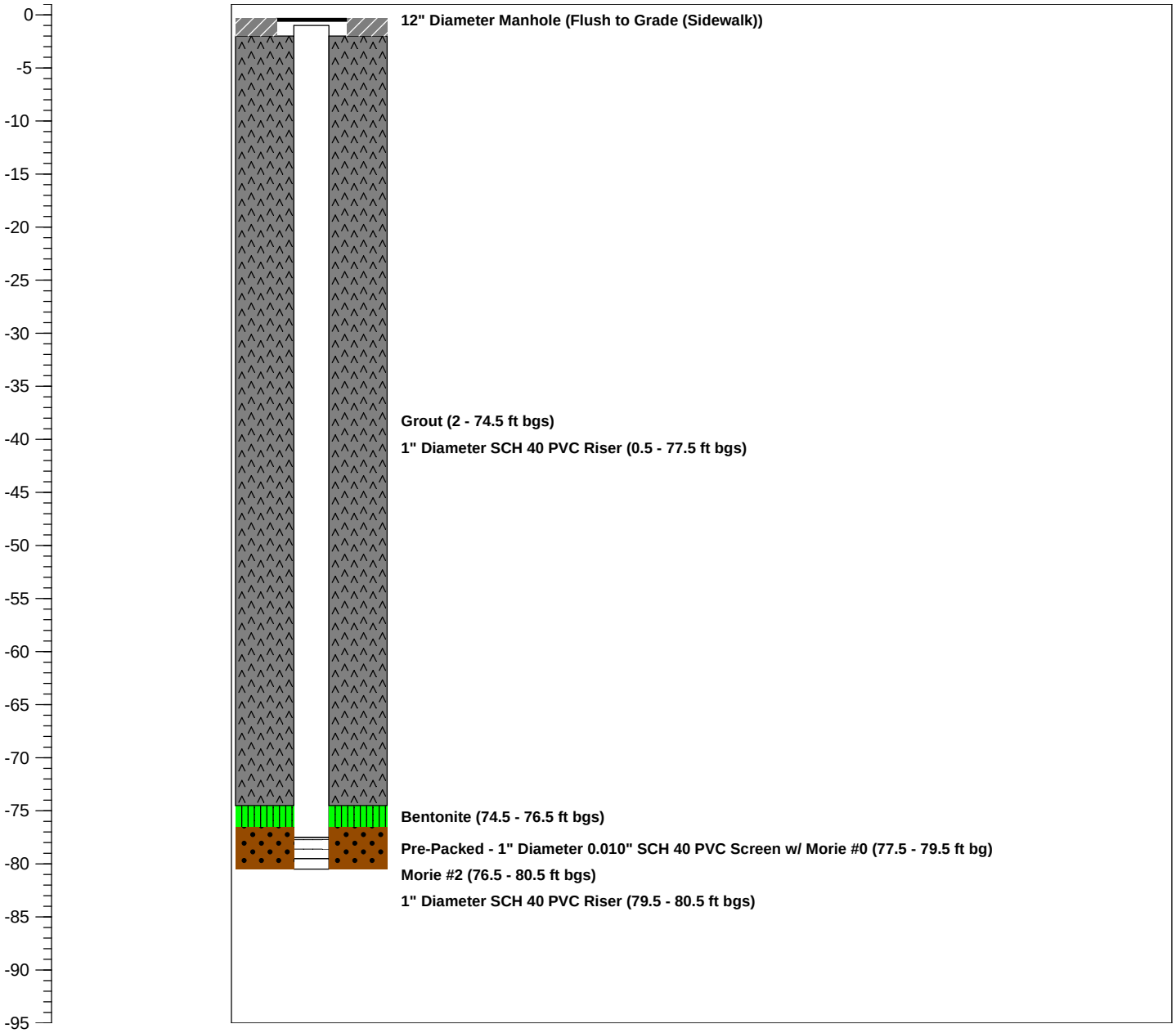
TOTAL DEPTH: **80.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-31D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/19/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

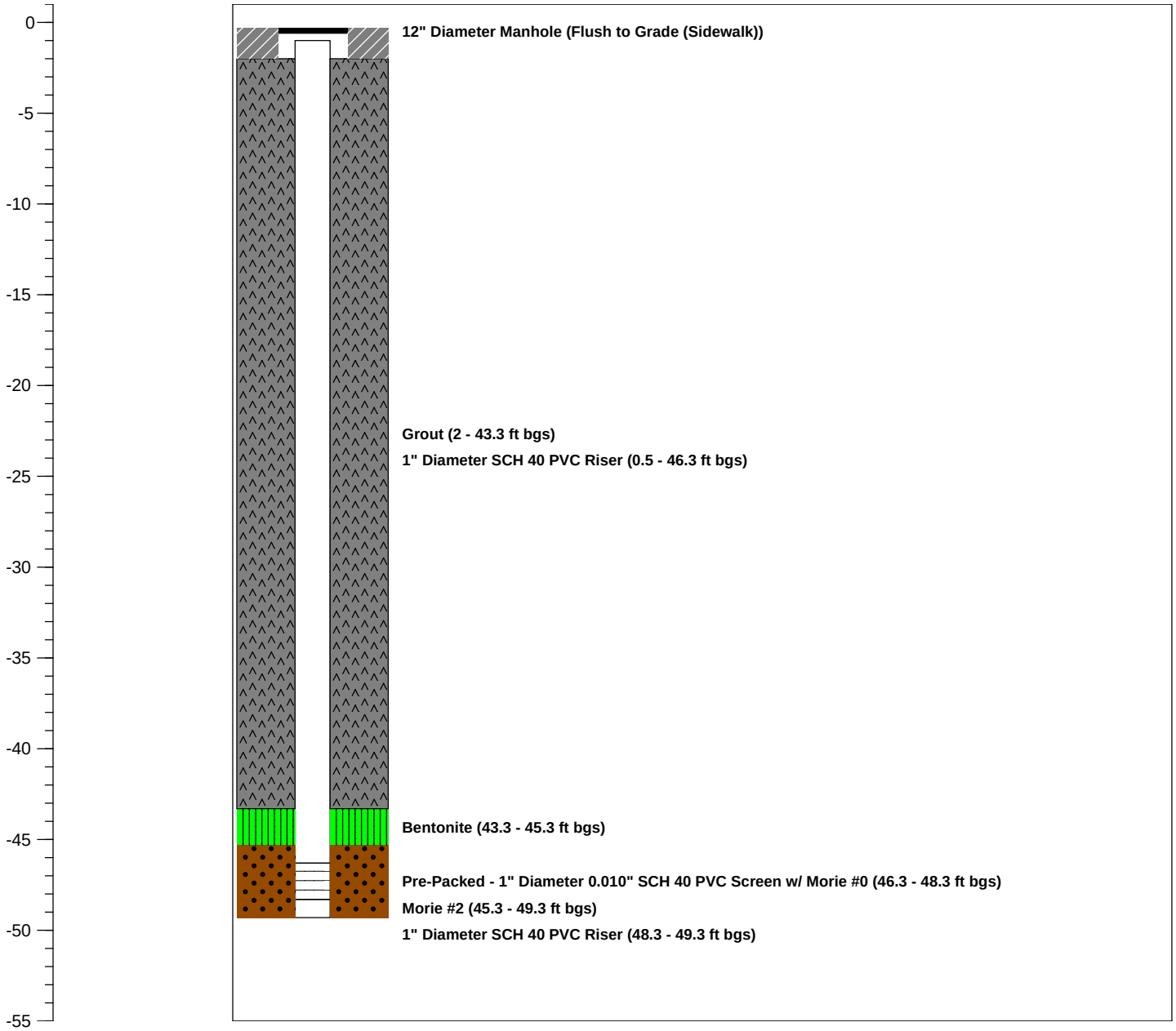
TOTAL DEPTH: **49.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-31S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/30/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

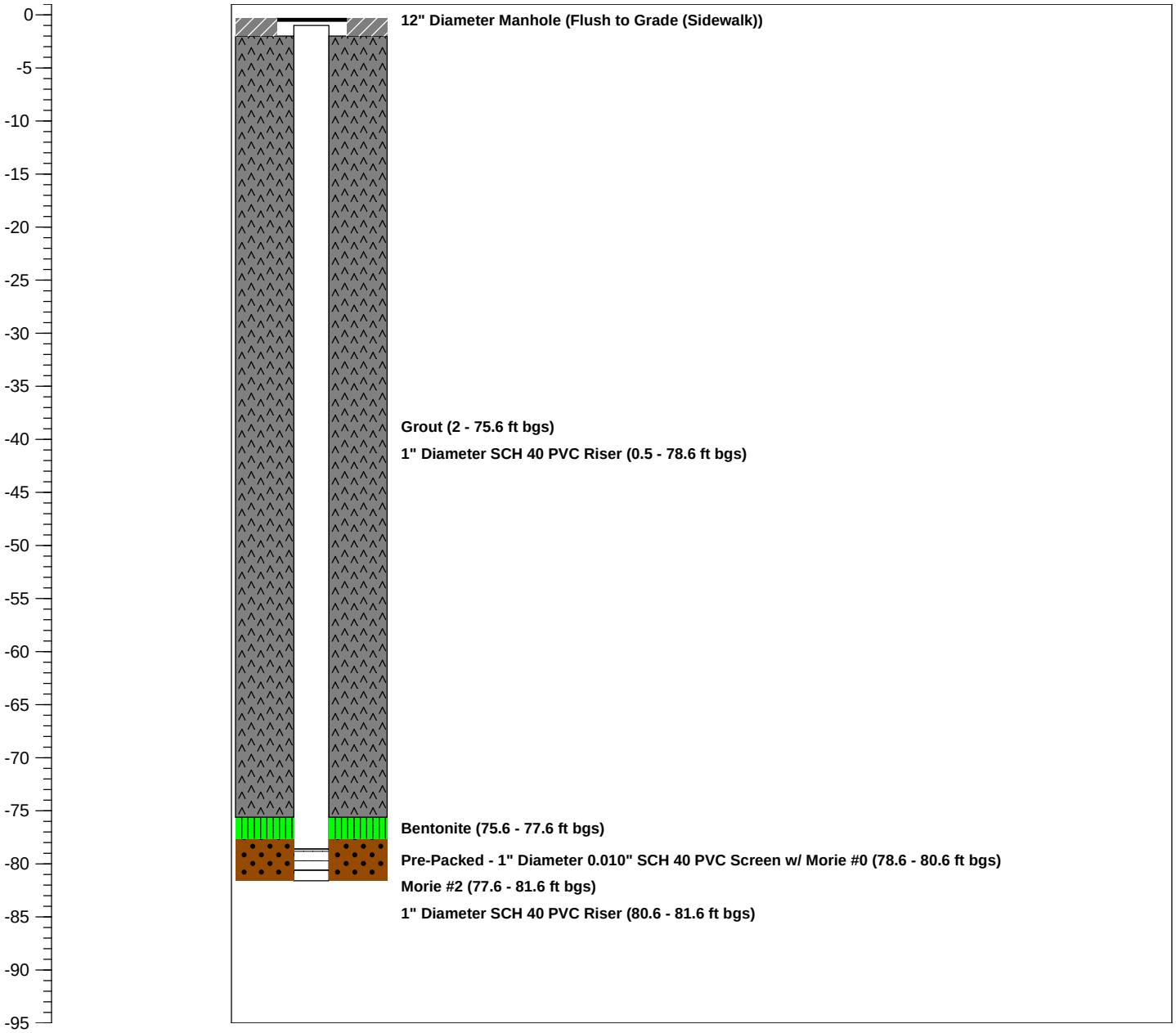
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**81.6'**	WELL NO.:	**OW-1-32D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/18/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

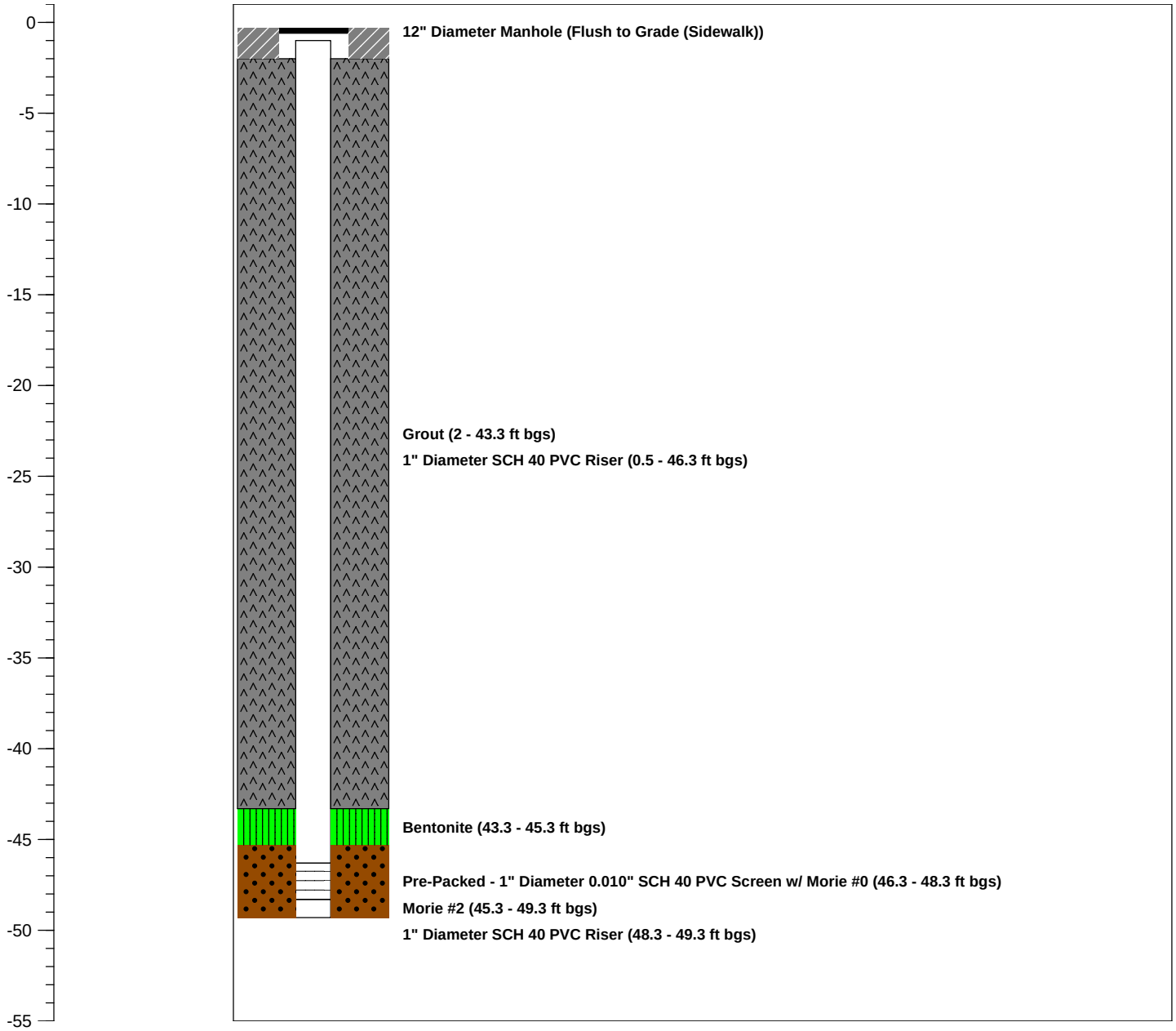
TOTAL DEPTH: **49.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-32S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/1/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

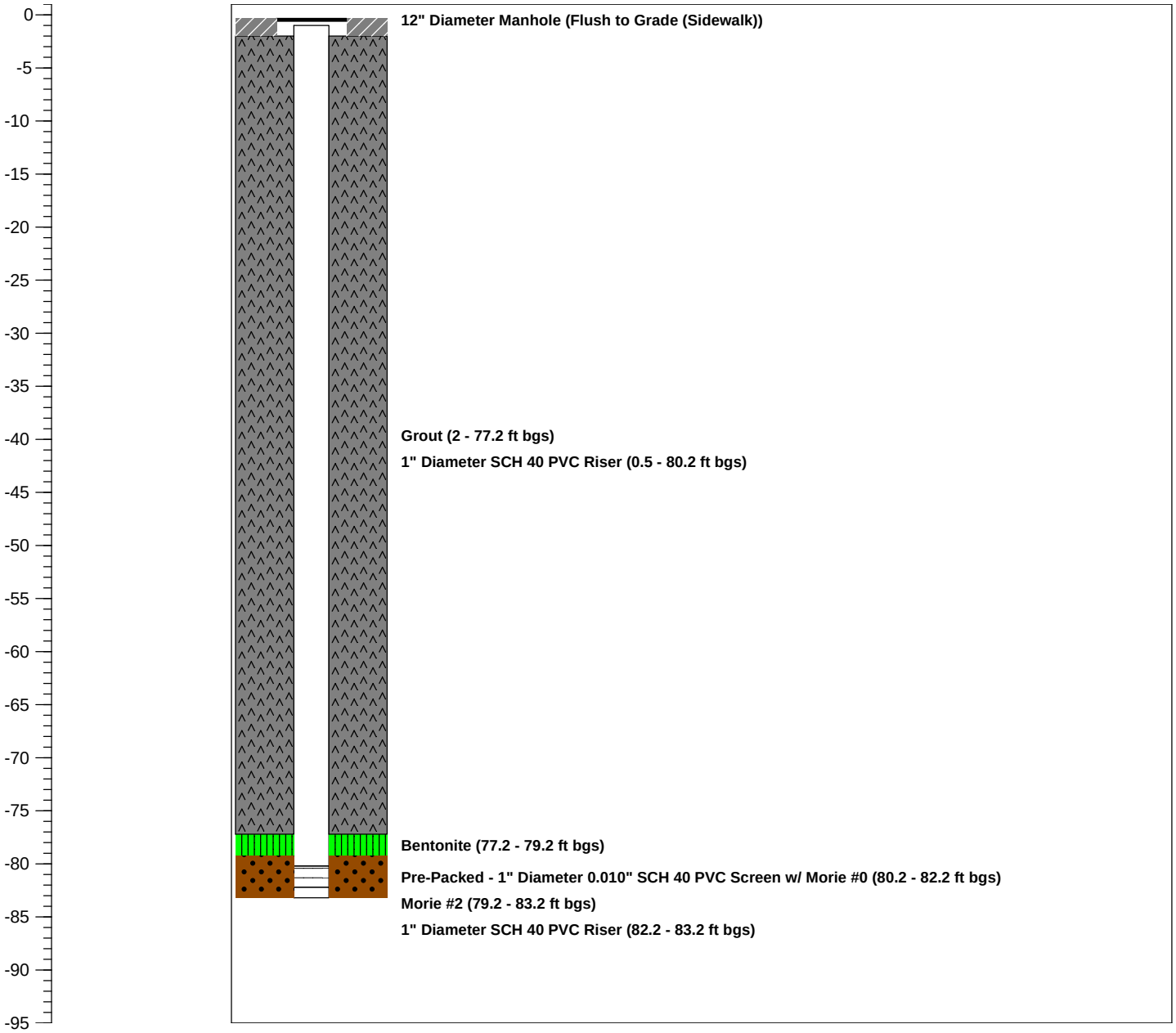
TOTAL DEPTH: **83.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-33D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/18/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

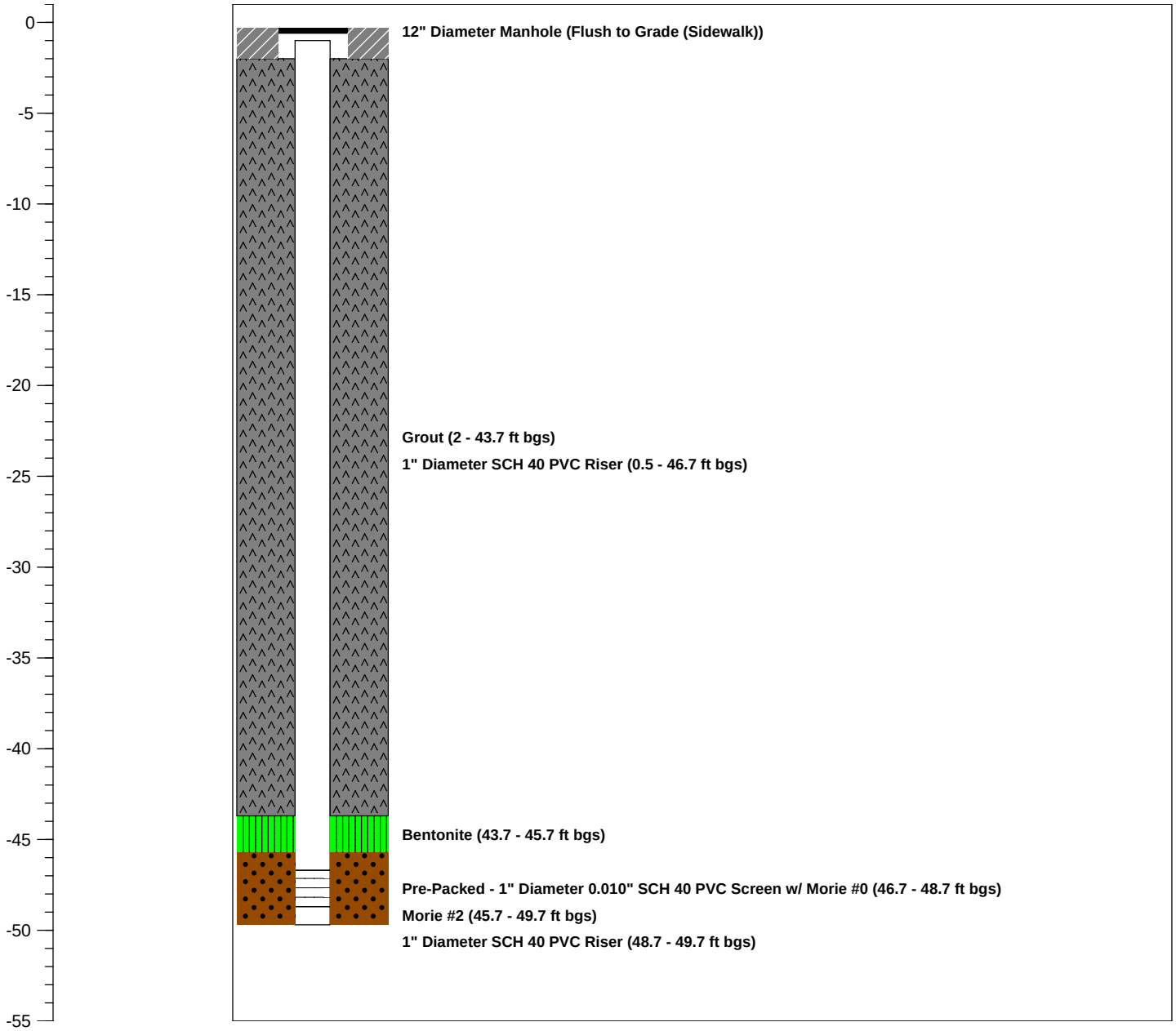
TOTAL DEPTH: **49.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-33S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/1/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

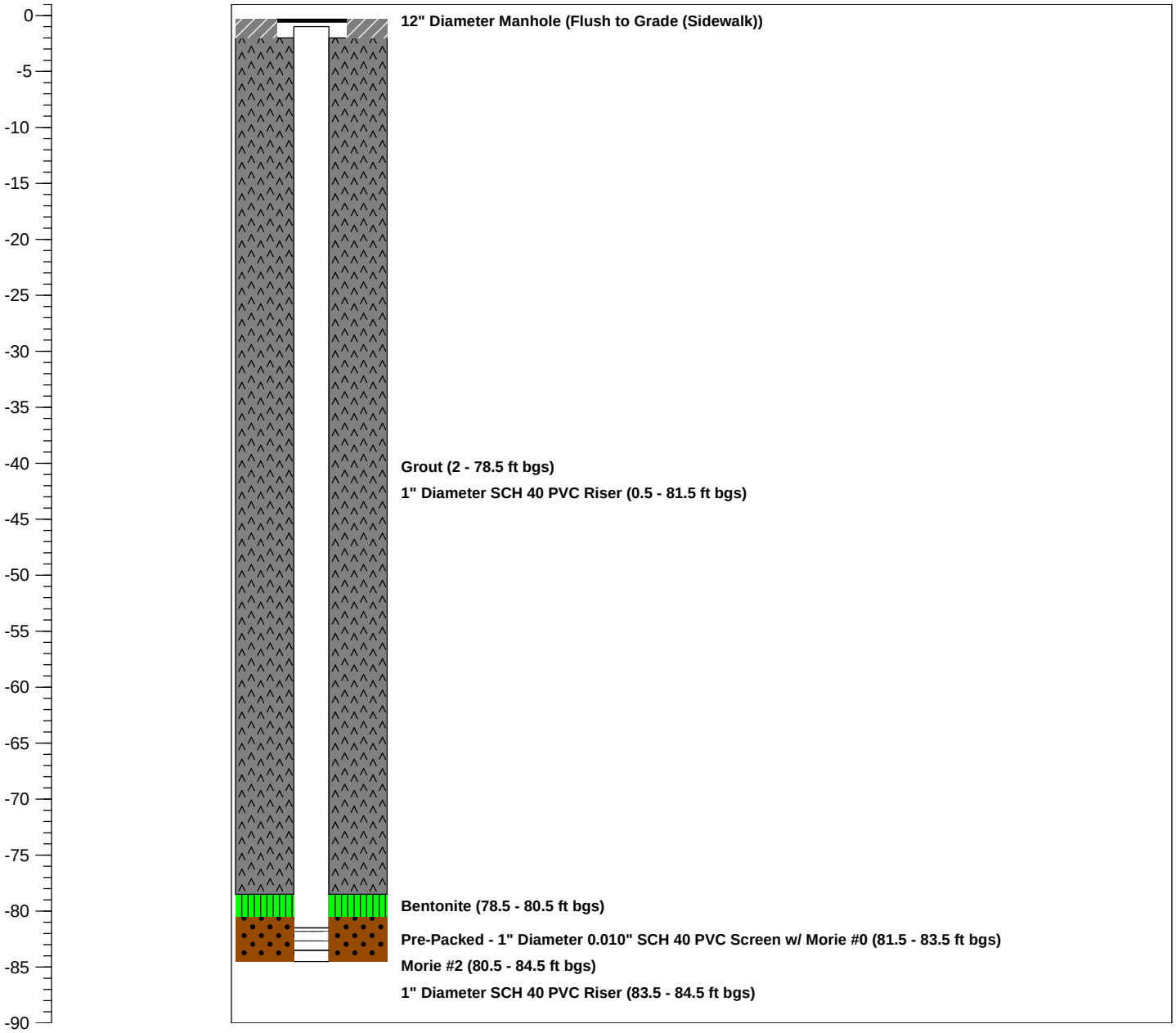
TOTAL DEPTH: **84.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-34D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/18/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

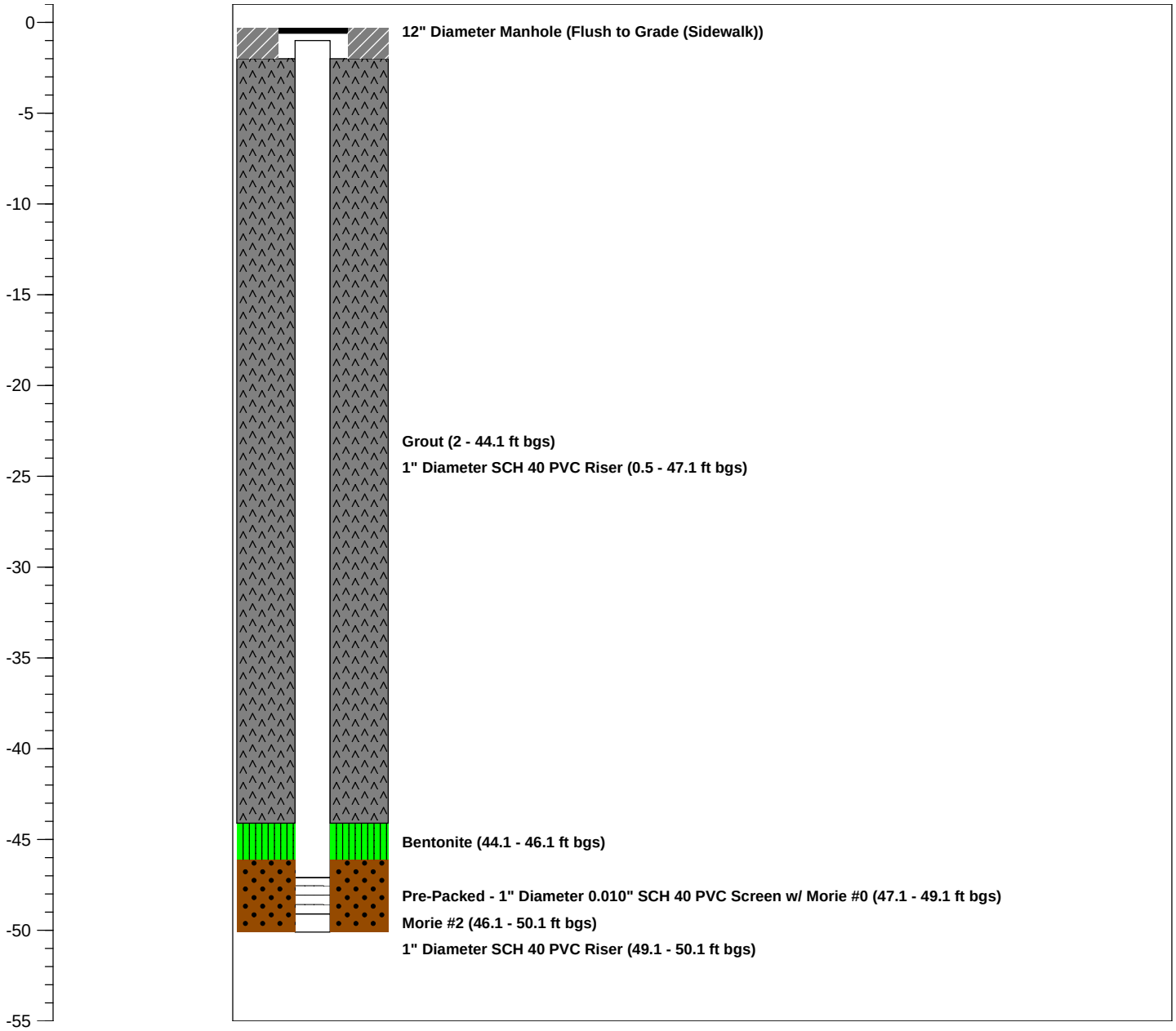
TOTAL DEPTH: **50.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-34S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/30/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

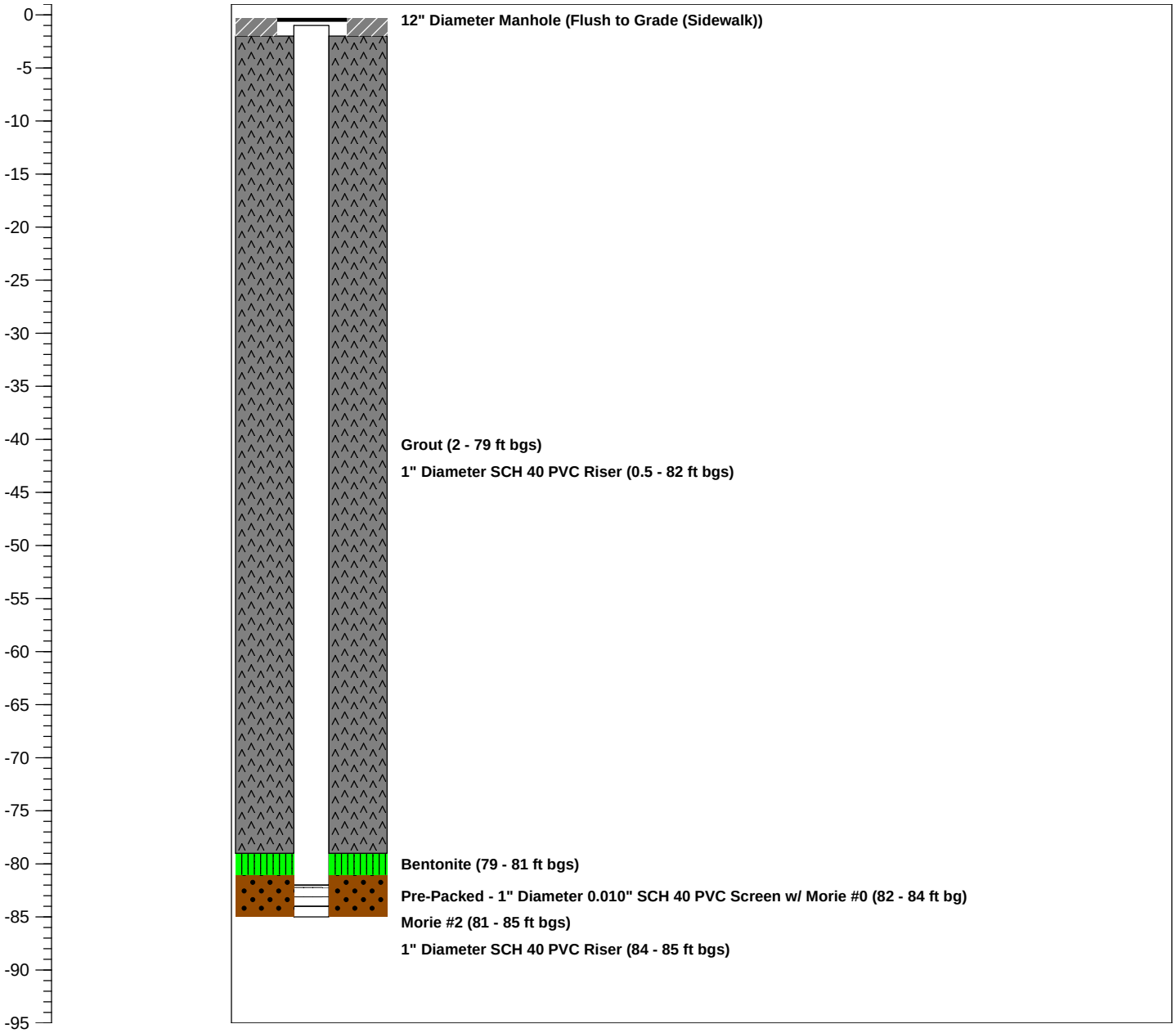
TOTAL DEPTH: **85.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-35D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/17/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

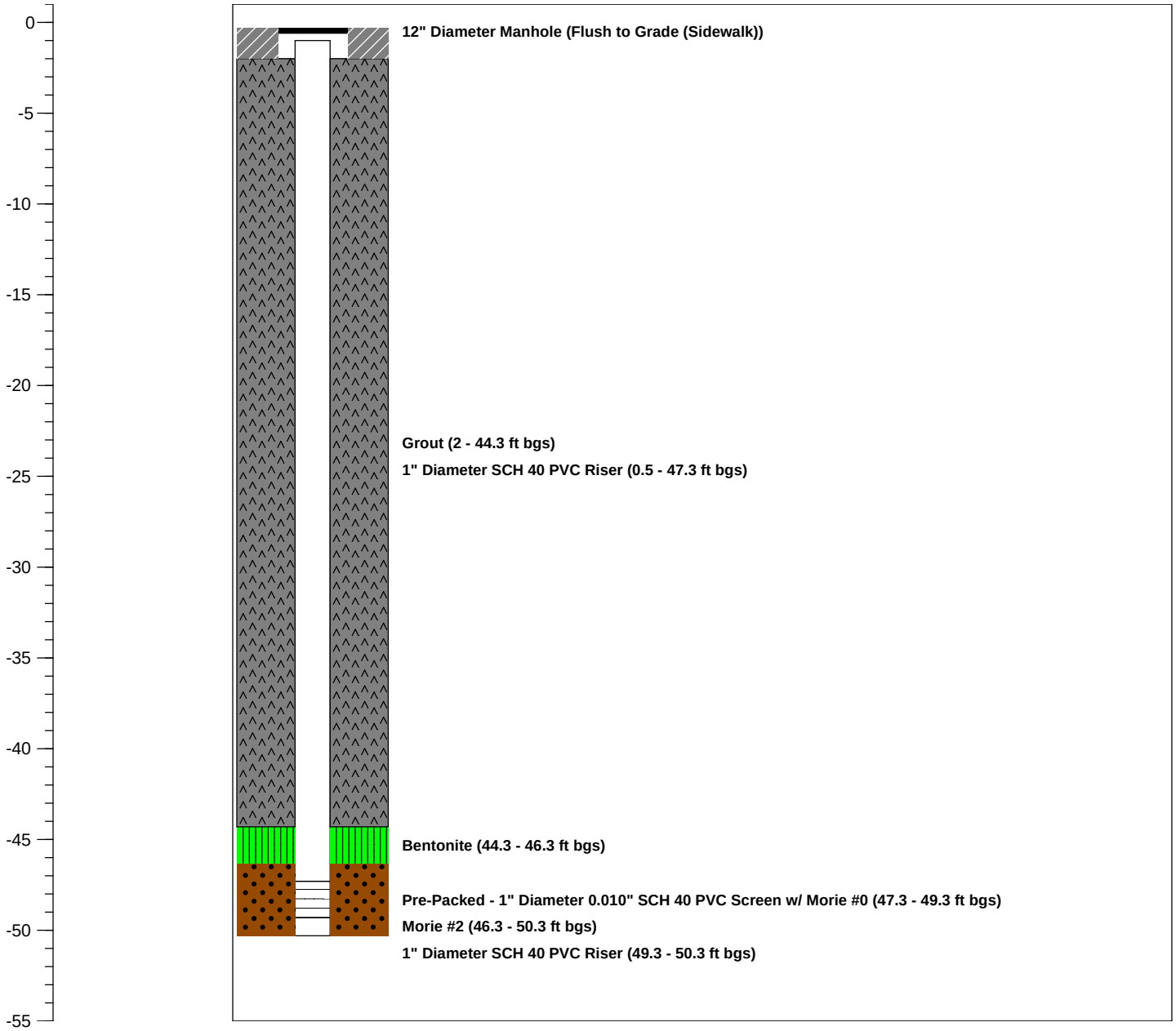
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**50.3'**	WELL NO.:	**OW-1-35S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/30/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

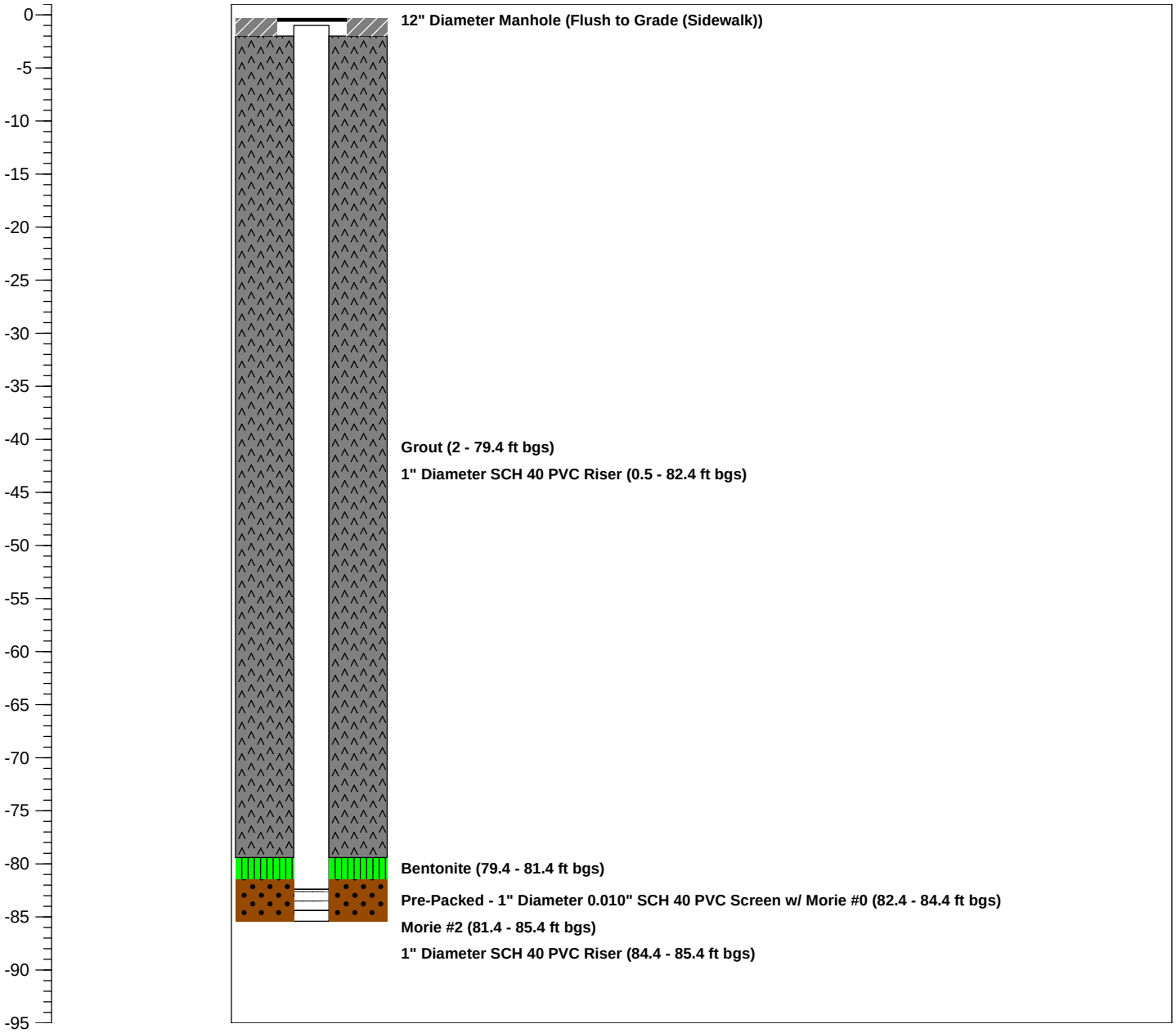
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**85.4'**	WELL NO.:	**OW-1-36D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

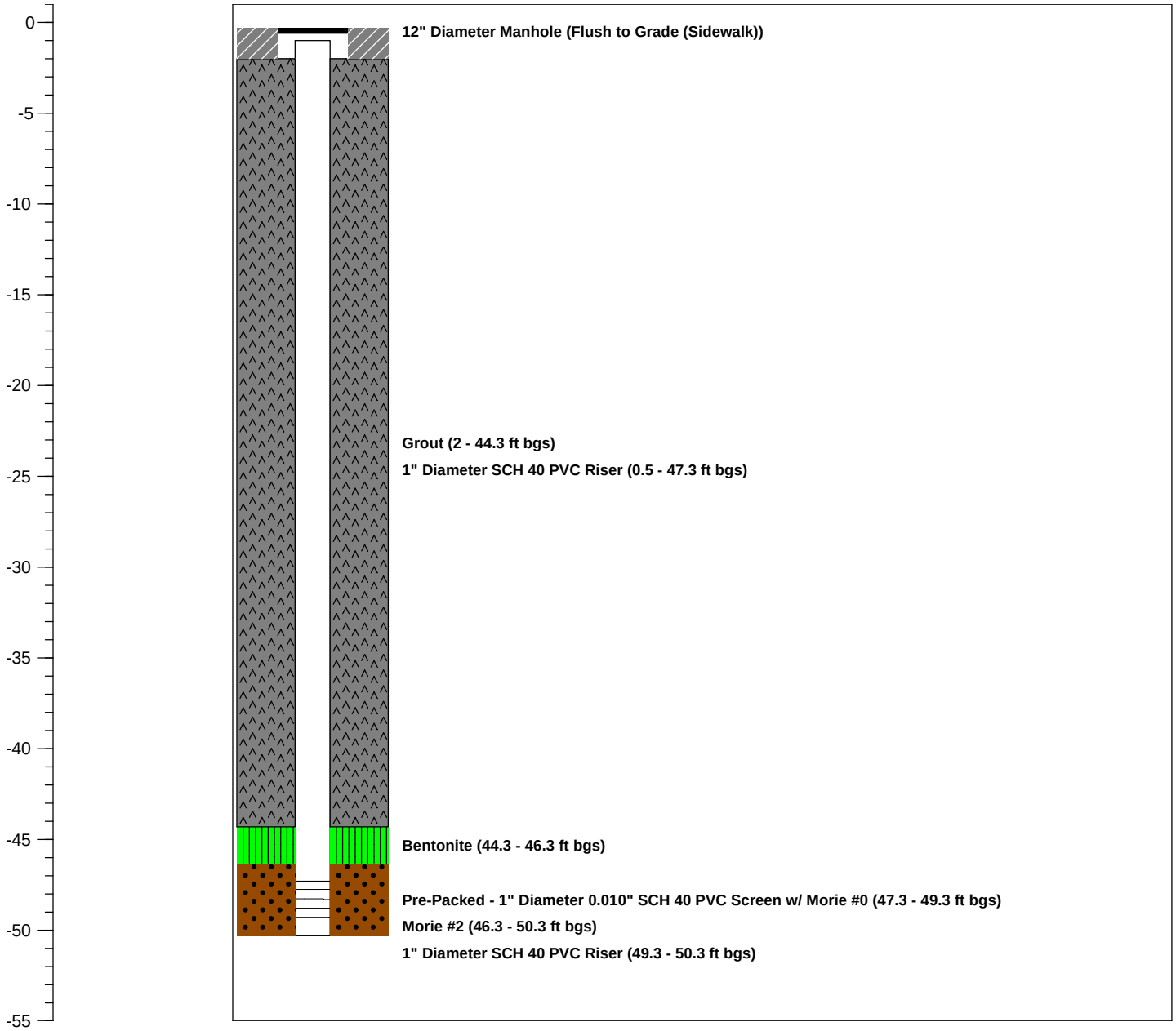
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**50.3'**	WELL NO.:	**OW-1-36S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/30/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

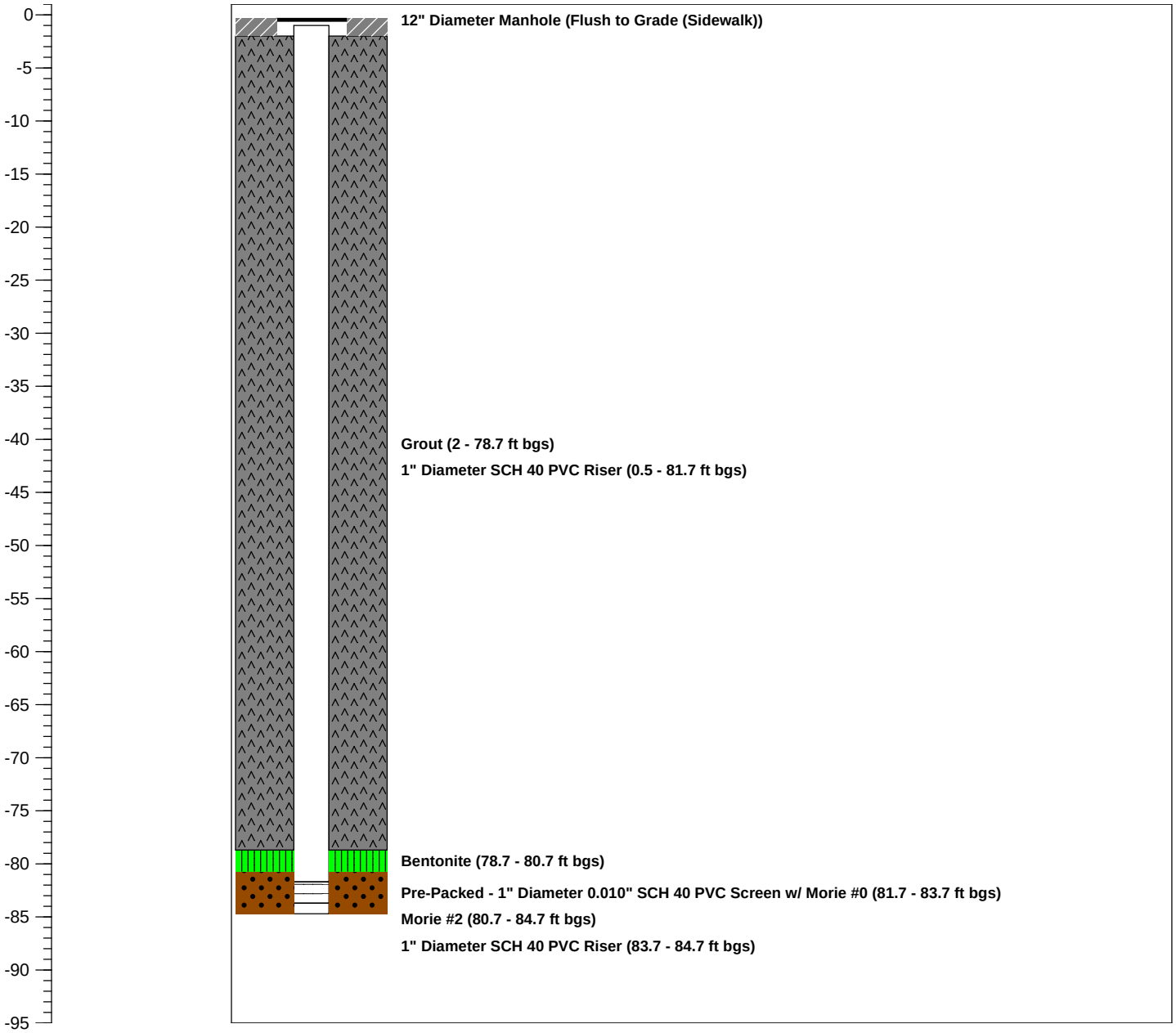
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**84.7'**	WELL NO.:	**OW-1-37D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/16/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

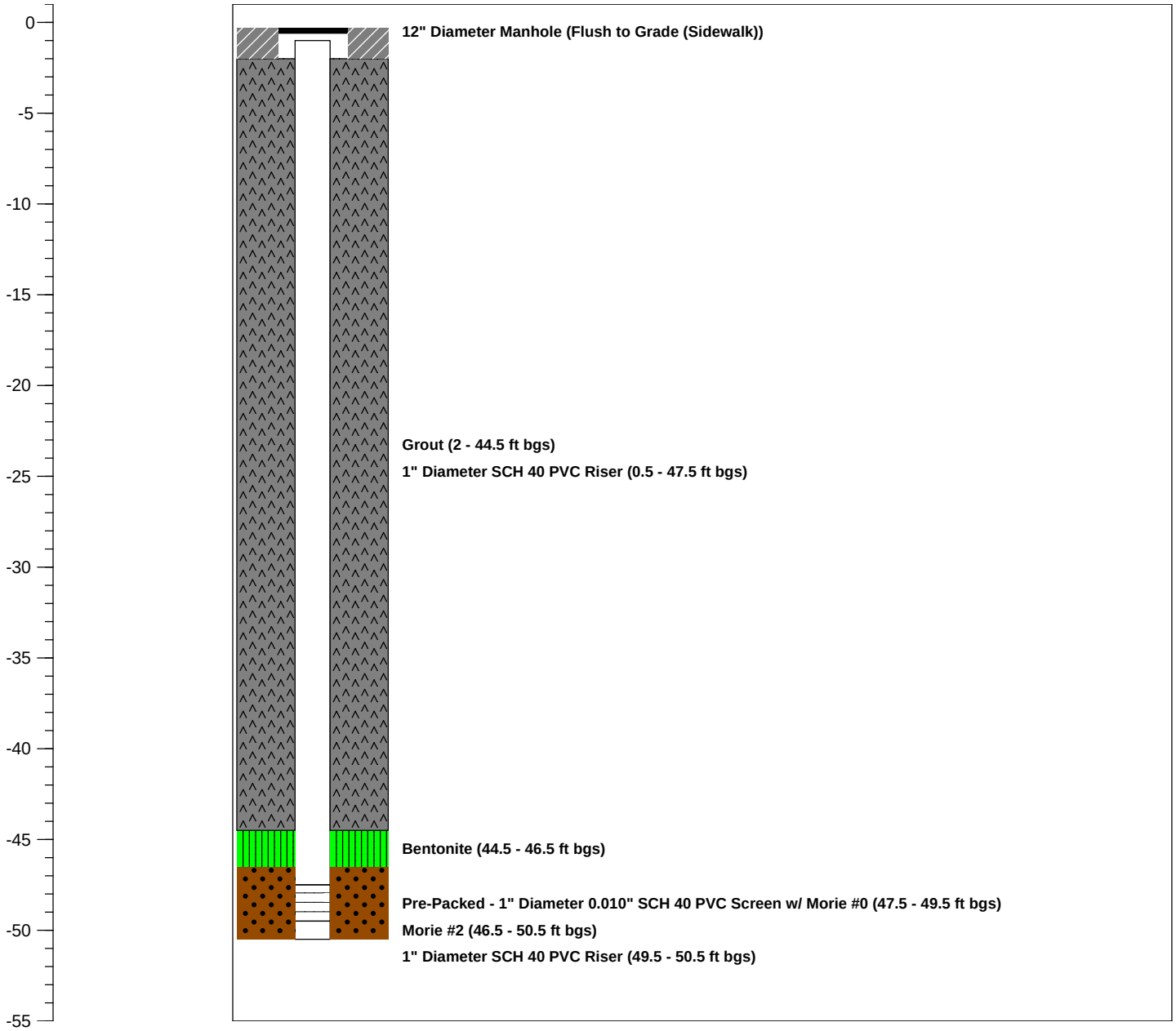
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**50.5'**	WELL NO.:	**OW-1-37S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/30/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

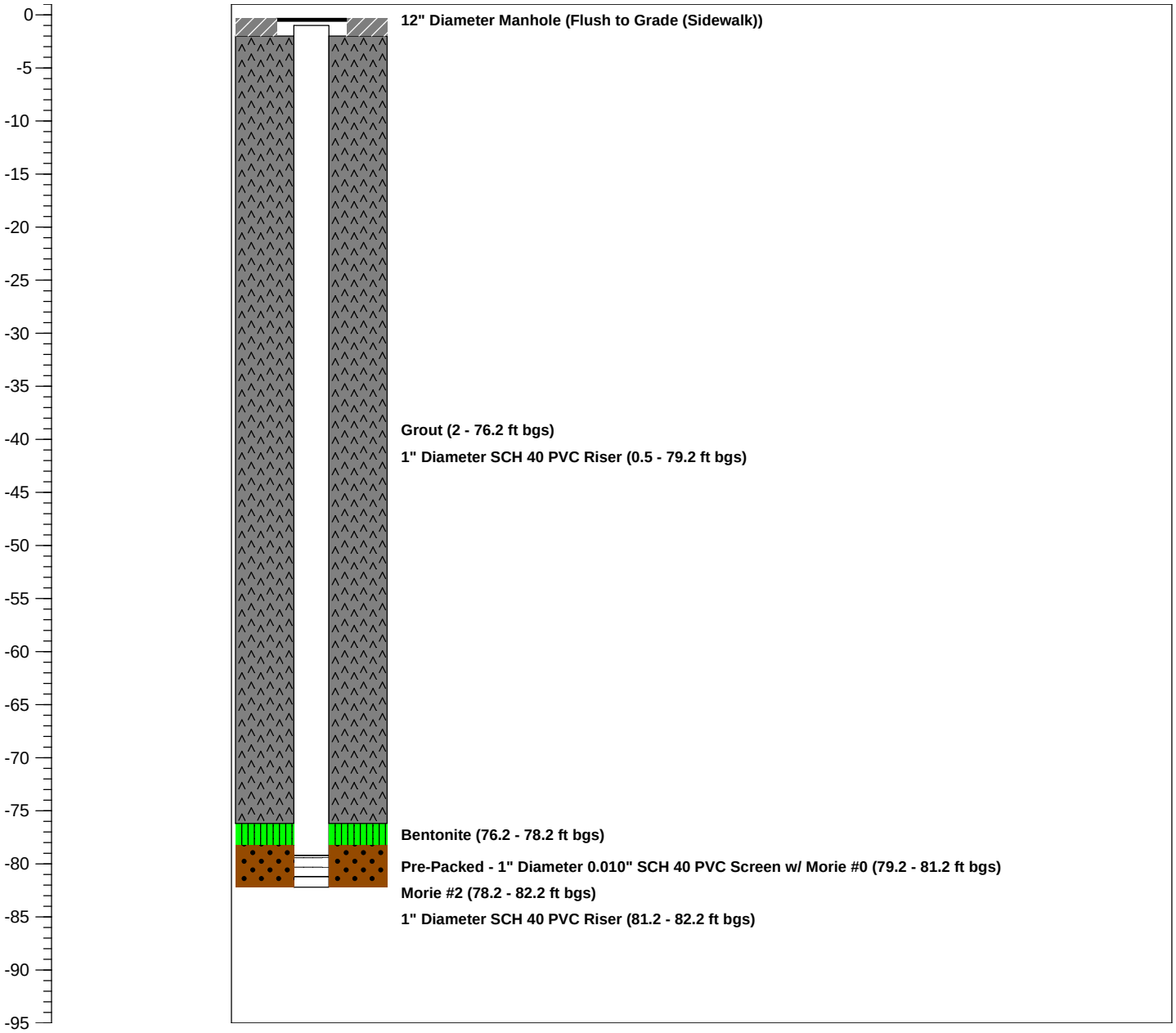
TOTAL DEPTH: **82.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-38D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/16/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

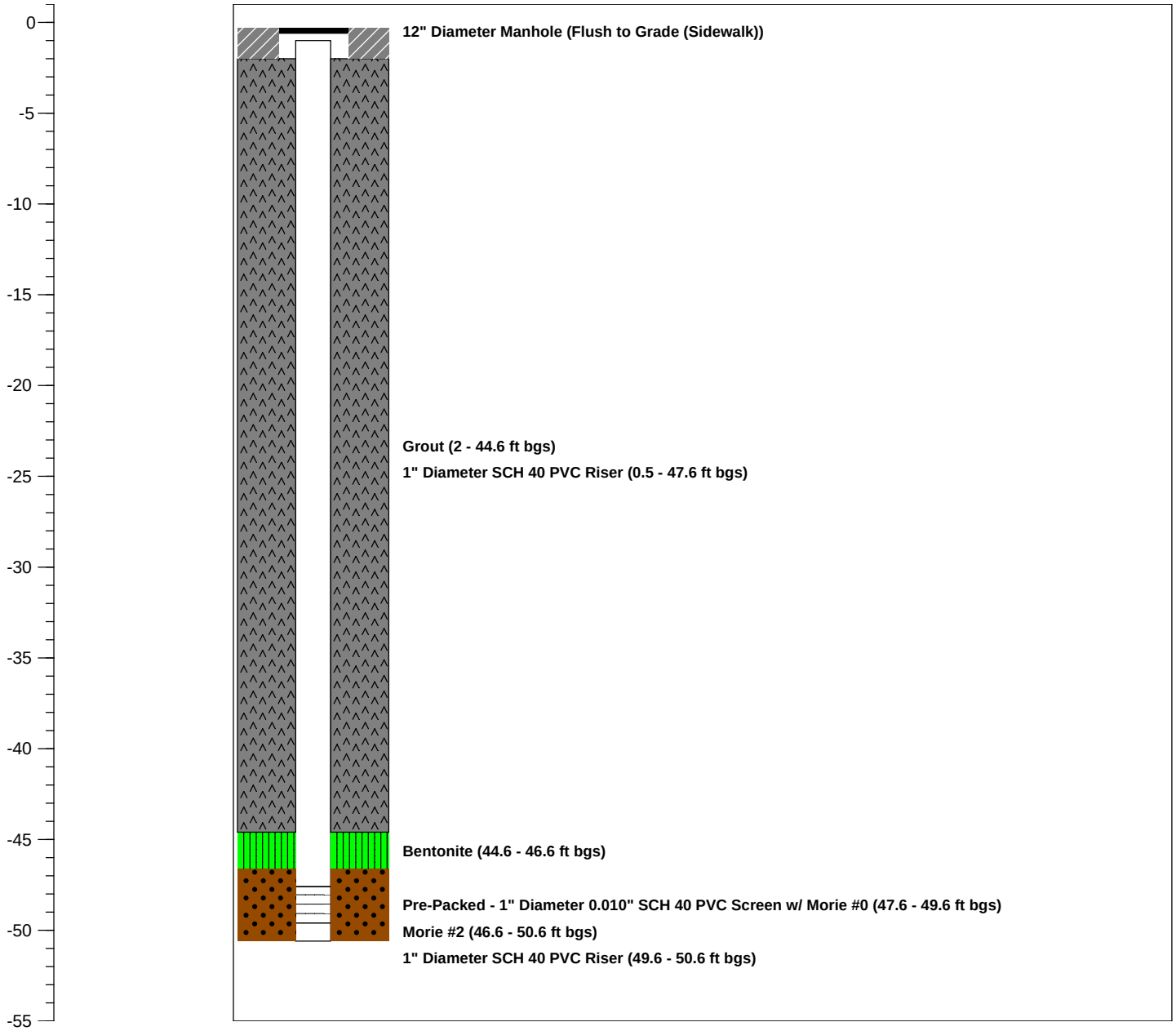
TOTAL DEPTH: **50.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-38S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/30/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

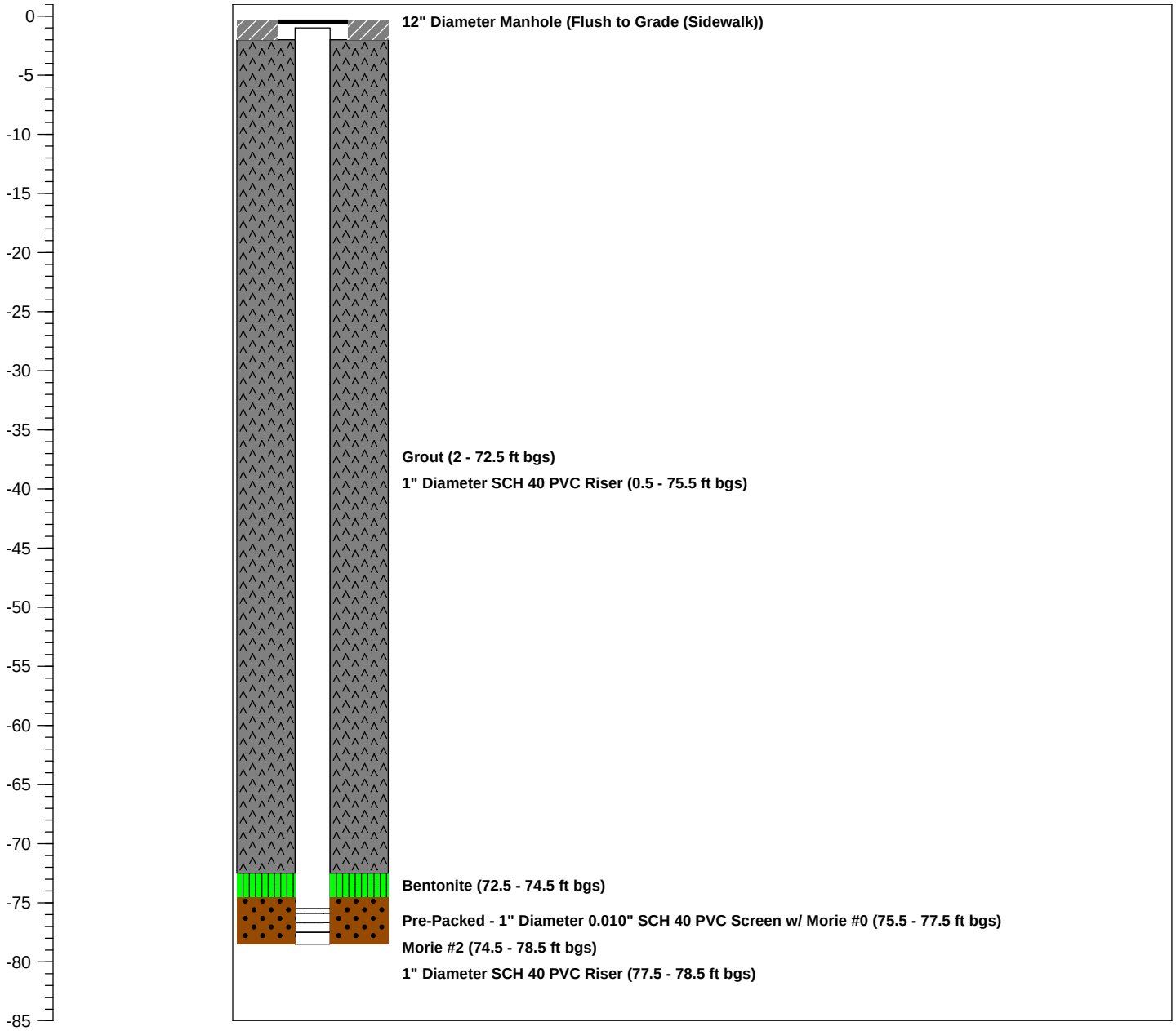
TOTAL DEPTH: **78.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-39D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/15/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

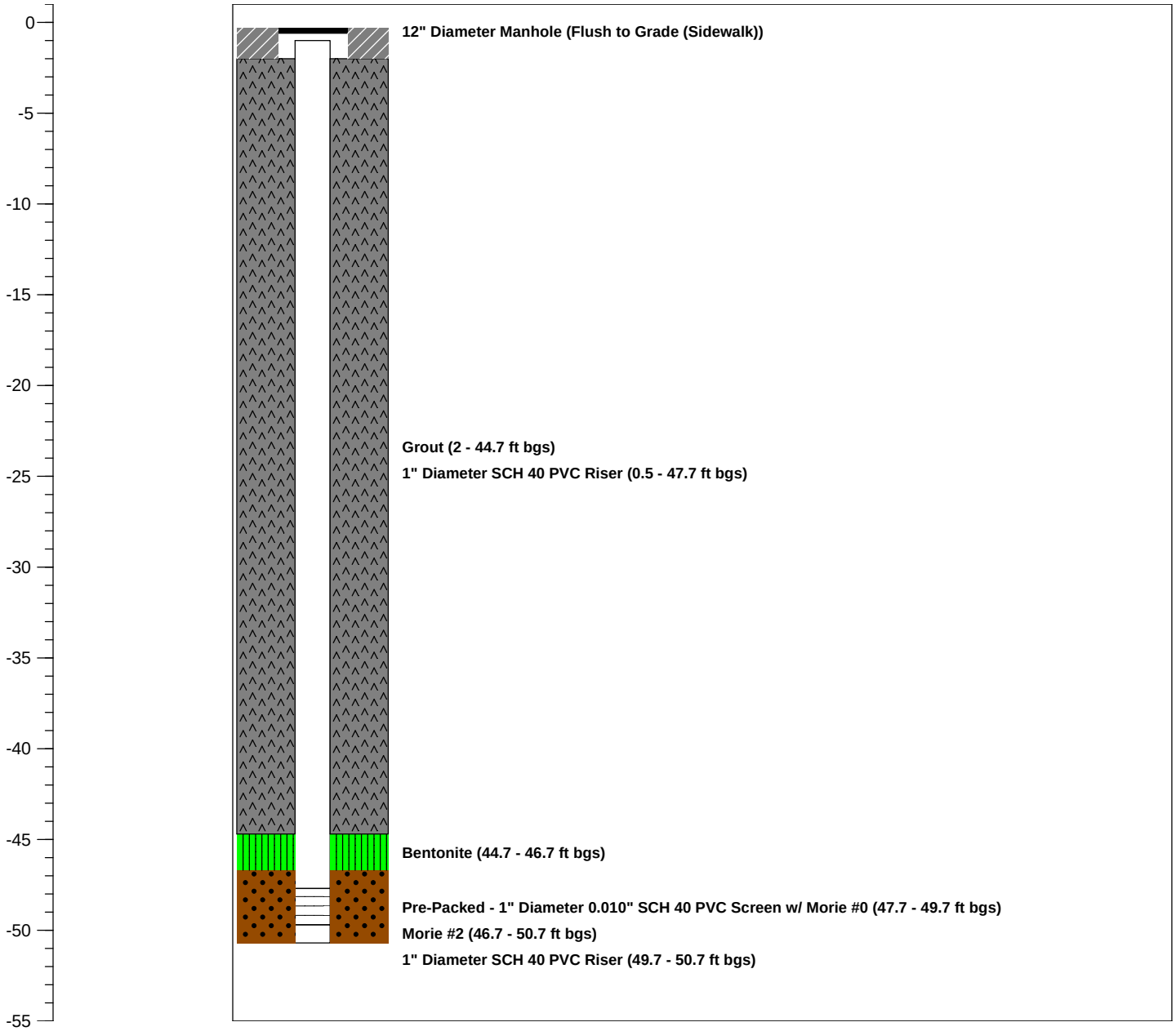
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**50.7'**	WELL NO.:	**OW-1-39S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/29/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

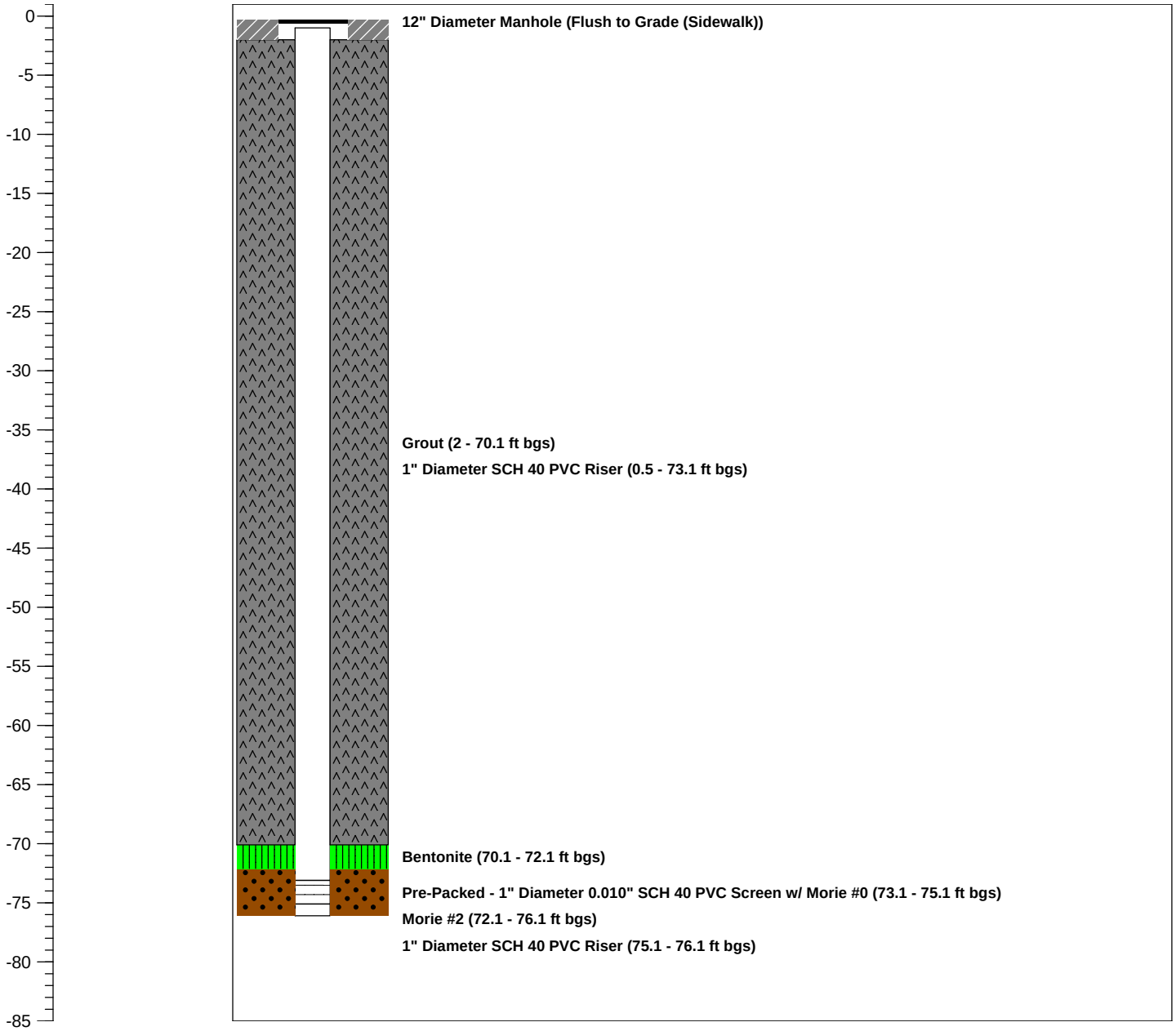
TOTAL DEPTH: **76.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-40D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/15/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

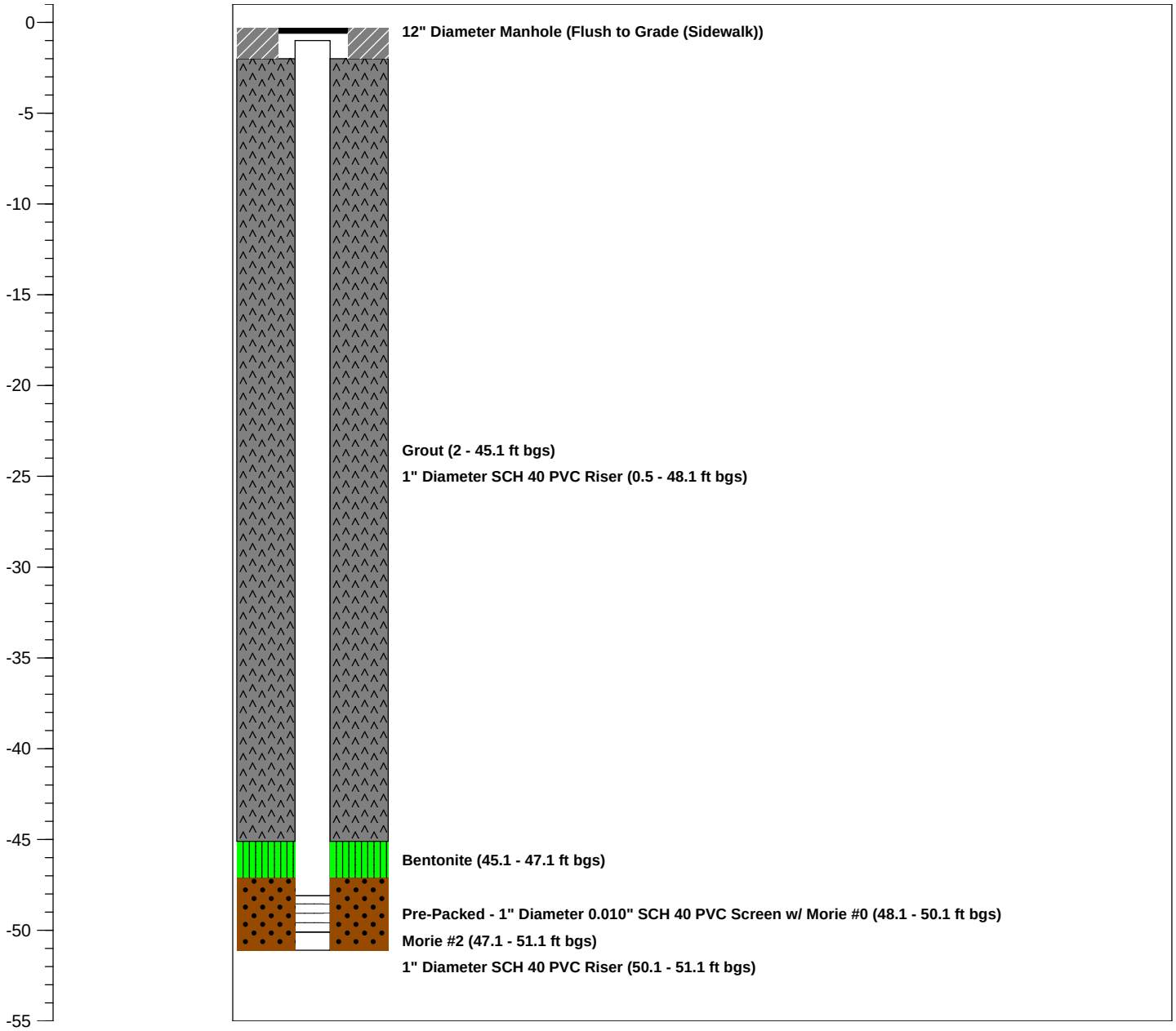
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**51.1'**	WELL NO.:	**OW-1-40S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/29/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

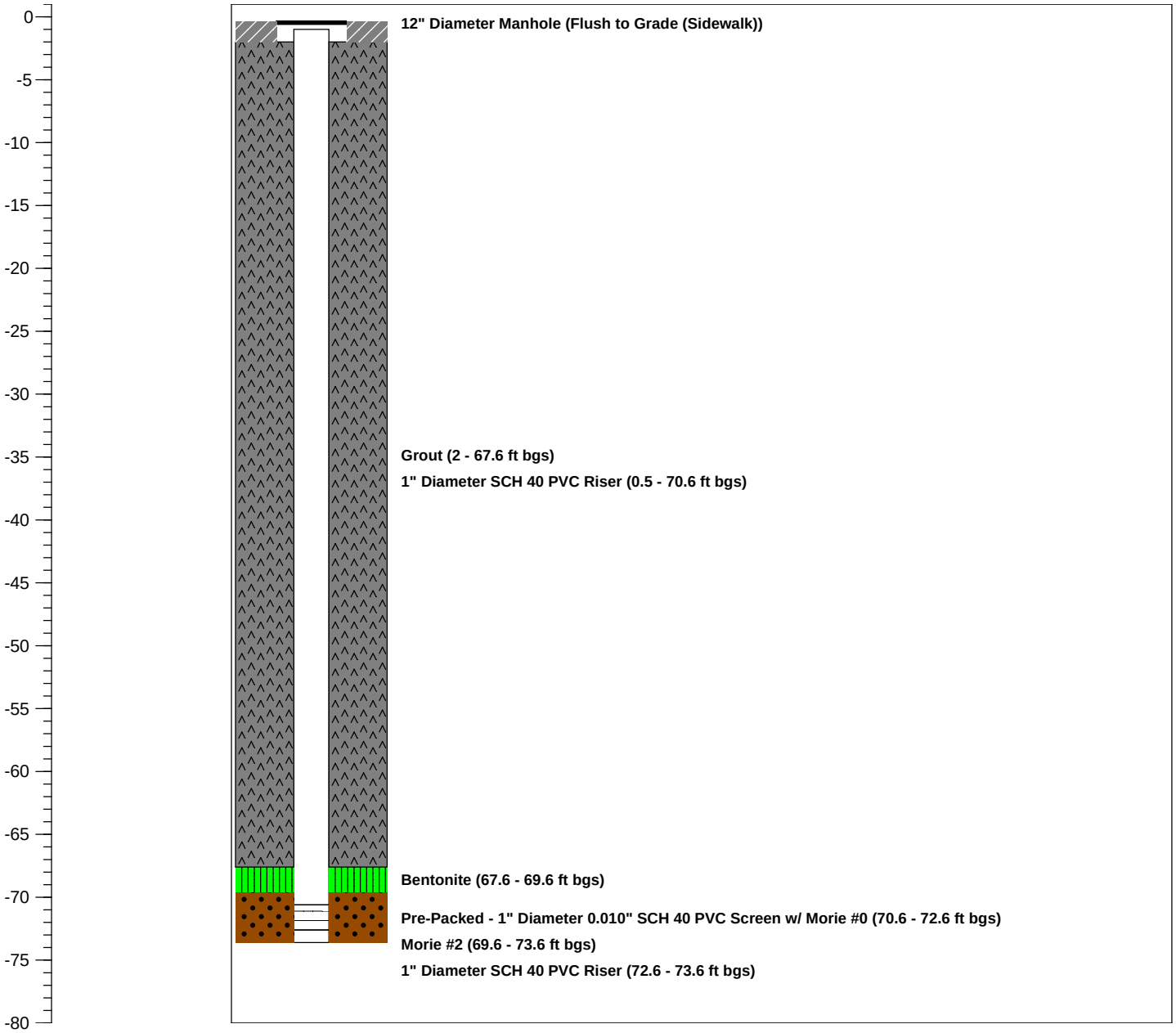
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**73.6'**	WELL NO.:	**OW-1-41D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/30/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

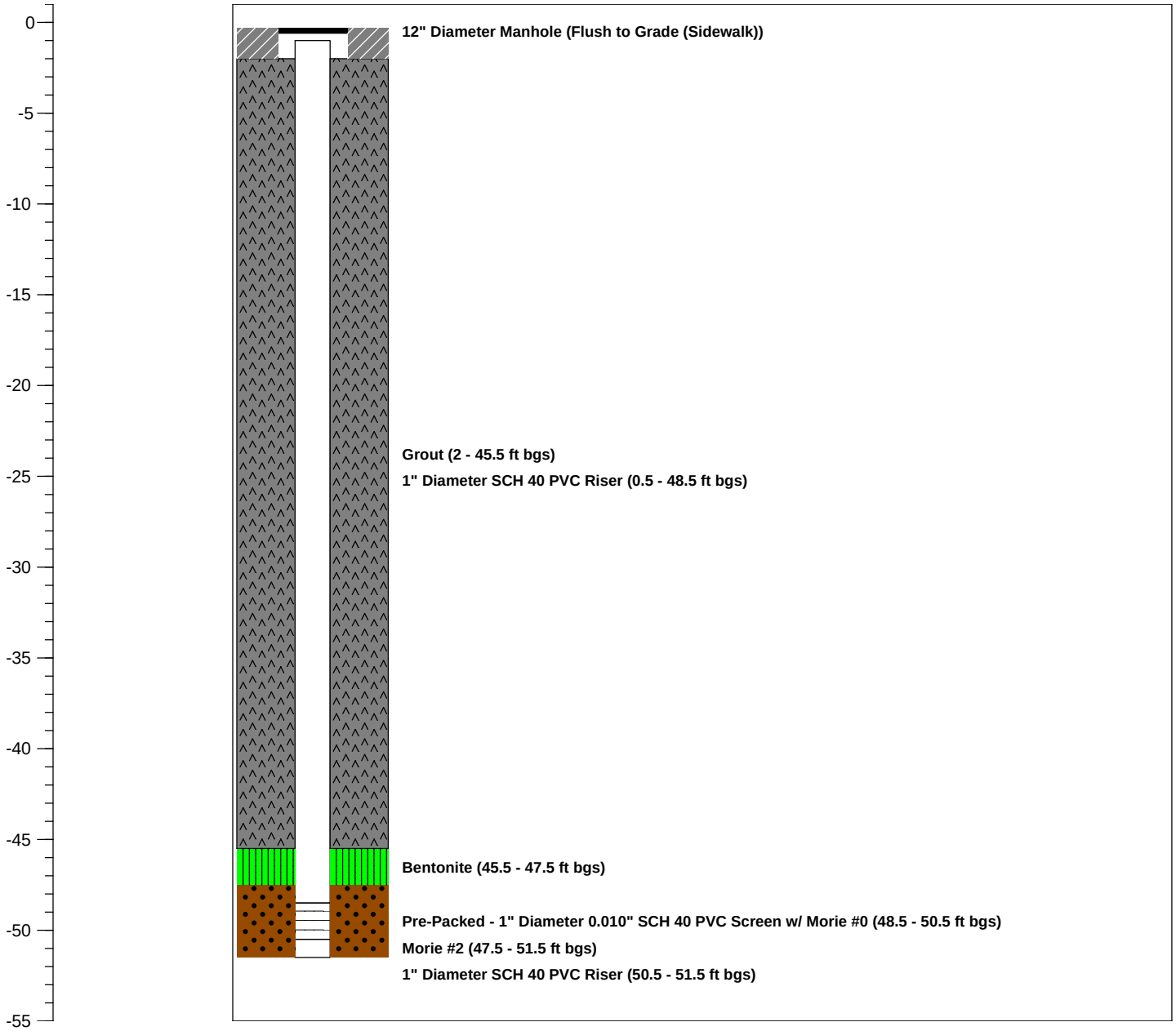
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**51.5'**	WELL NO.:	**OW-1-41S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/24/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

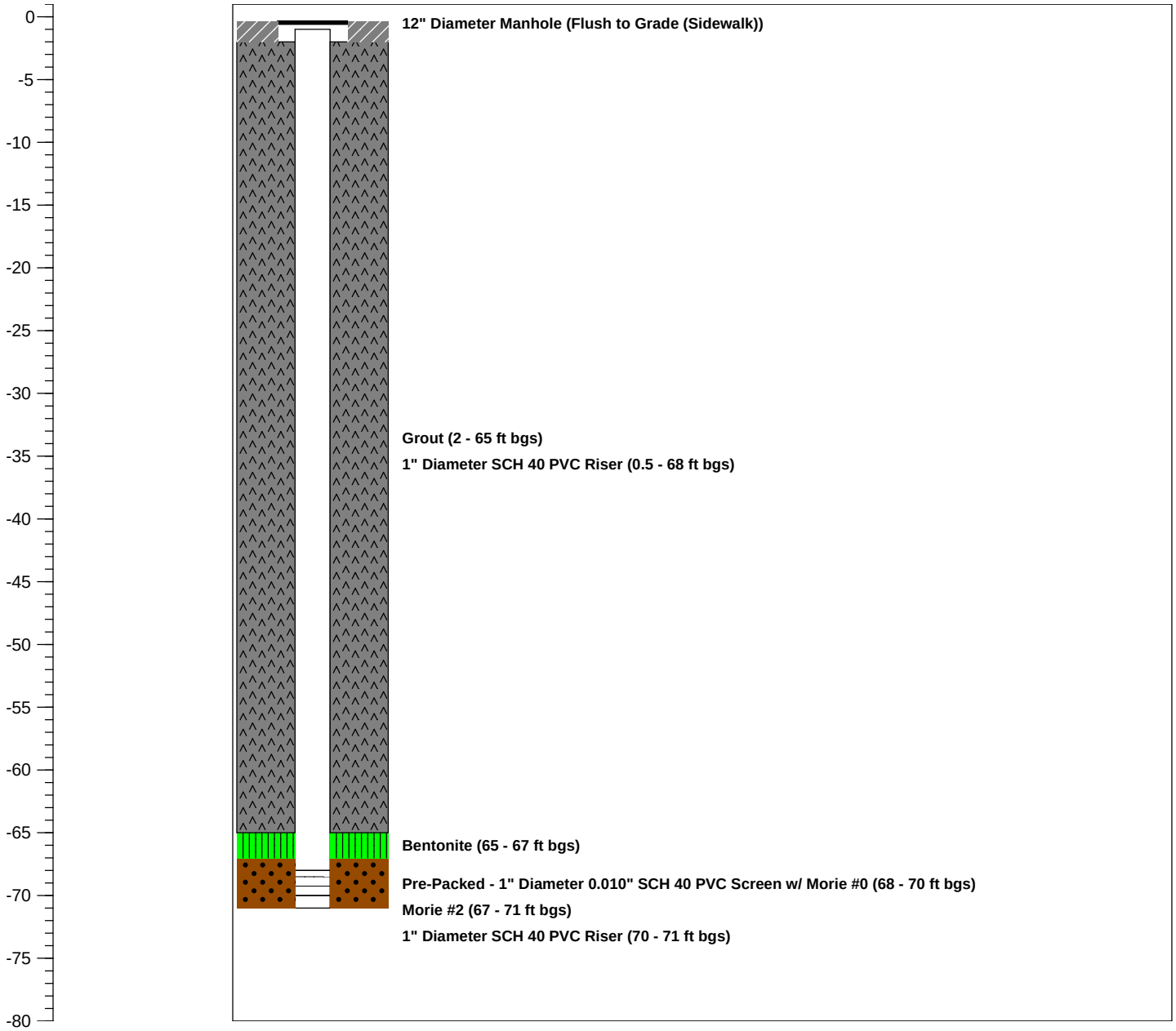
TOTAL DEPTH: **71.0'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-42D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/23/10**
Driller: **Dave Gardiner**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

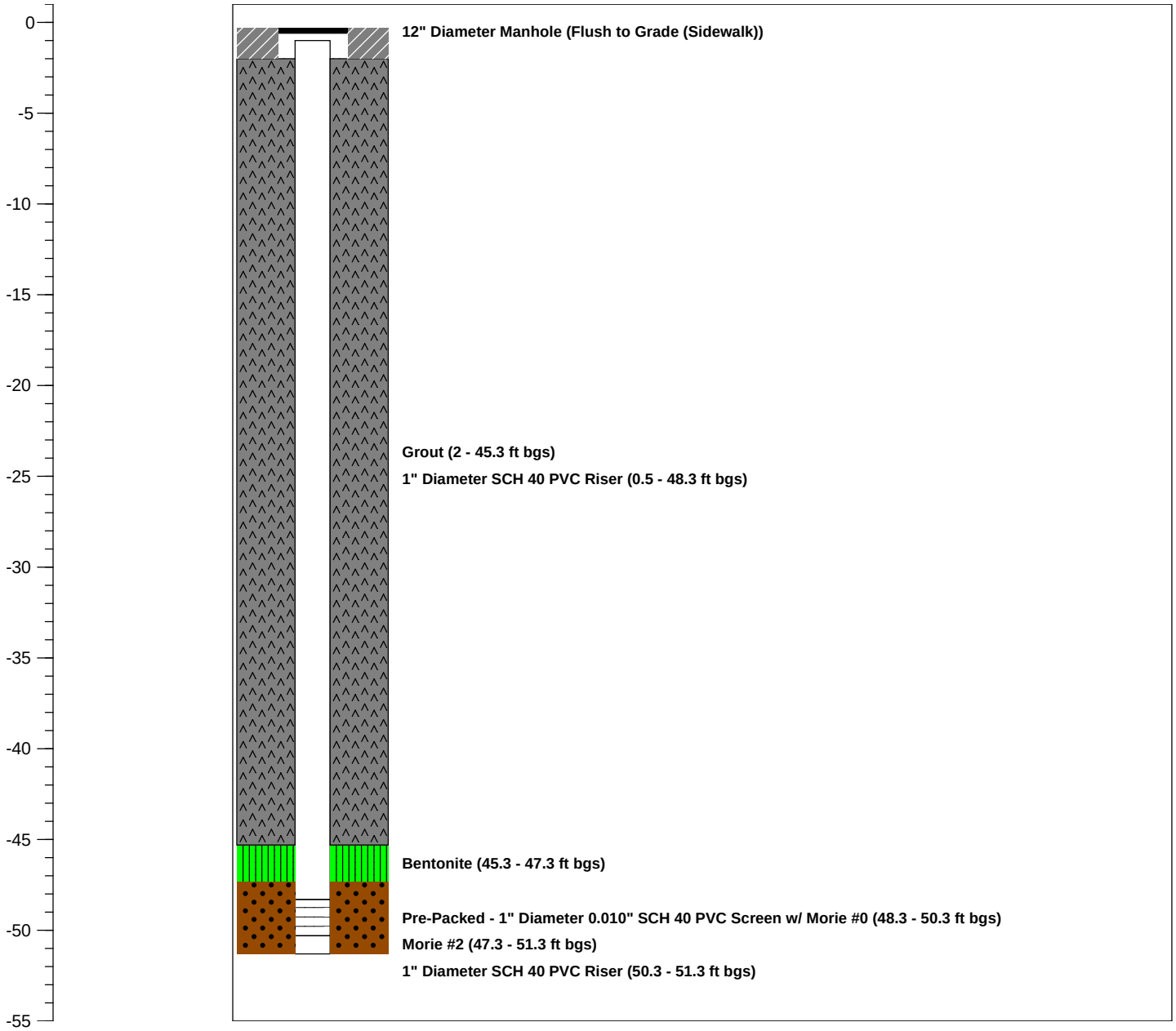
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**51.3'**	WELL NO.:	**OW-1-42S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/24/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

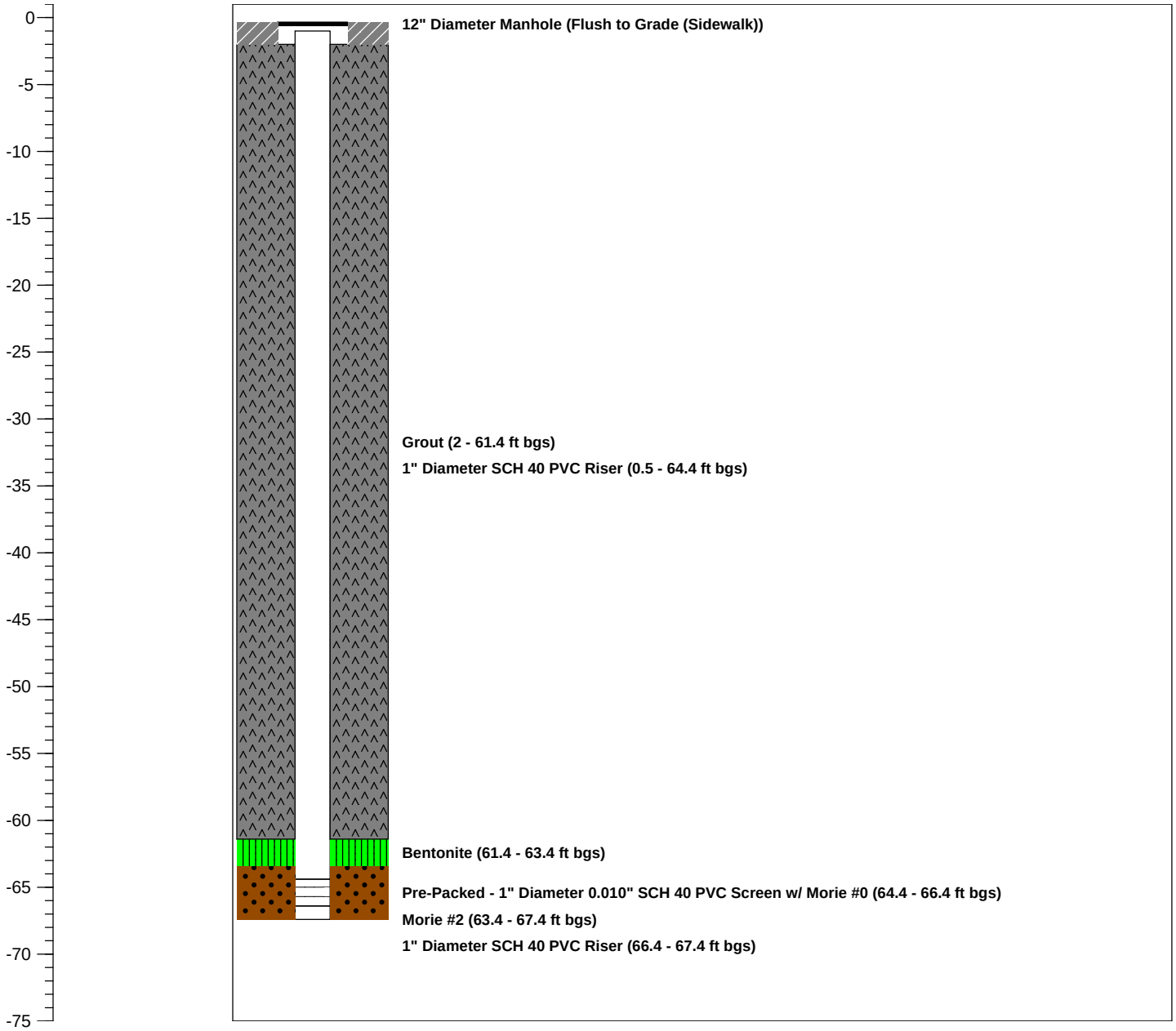
TOTAL DEPTH: **67.4'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-43**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/14/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

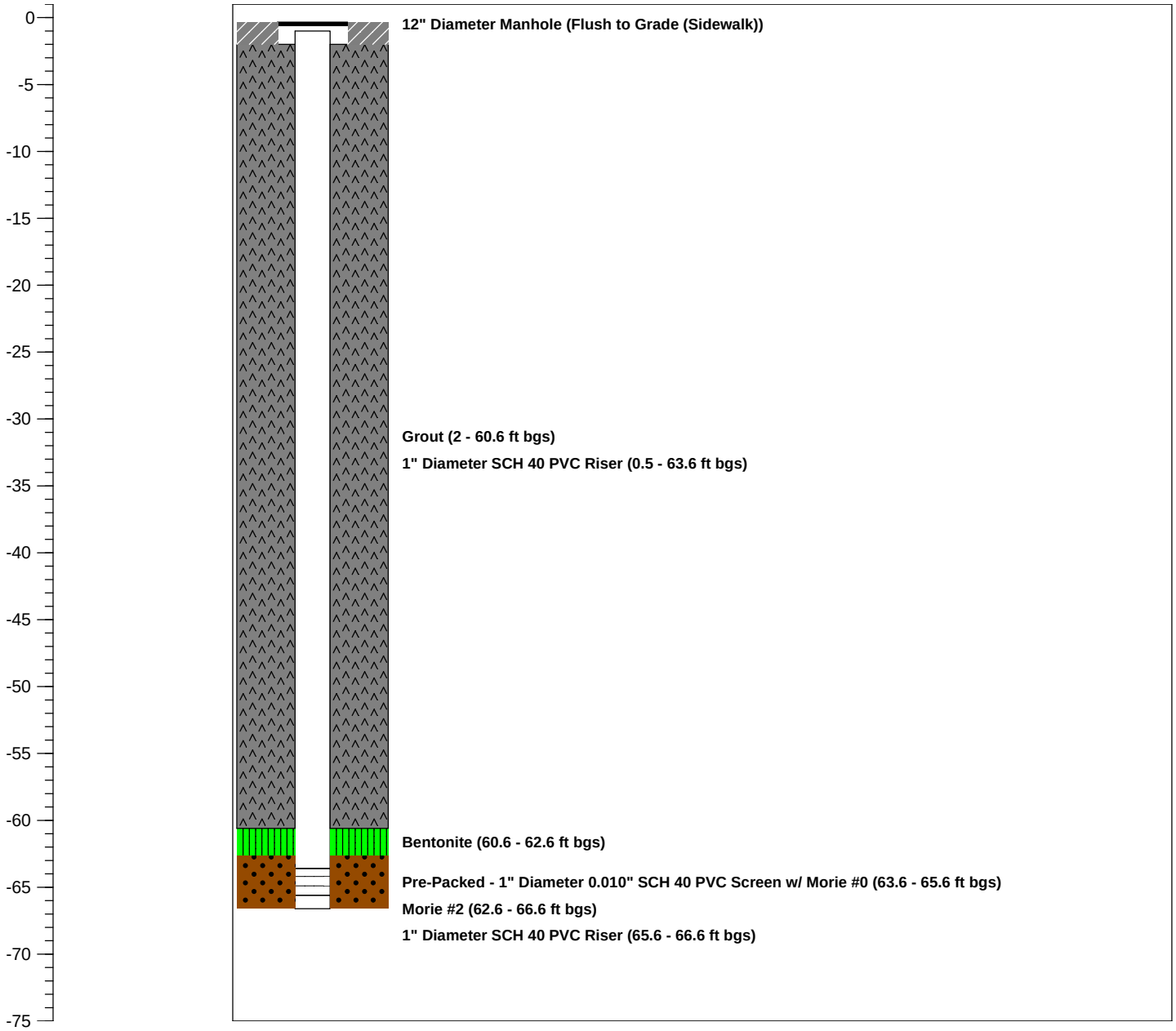
TOTAL DEPTH: **66.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-44**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **12/13/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

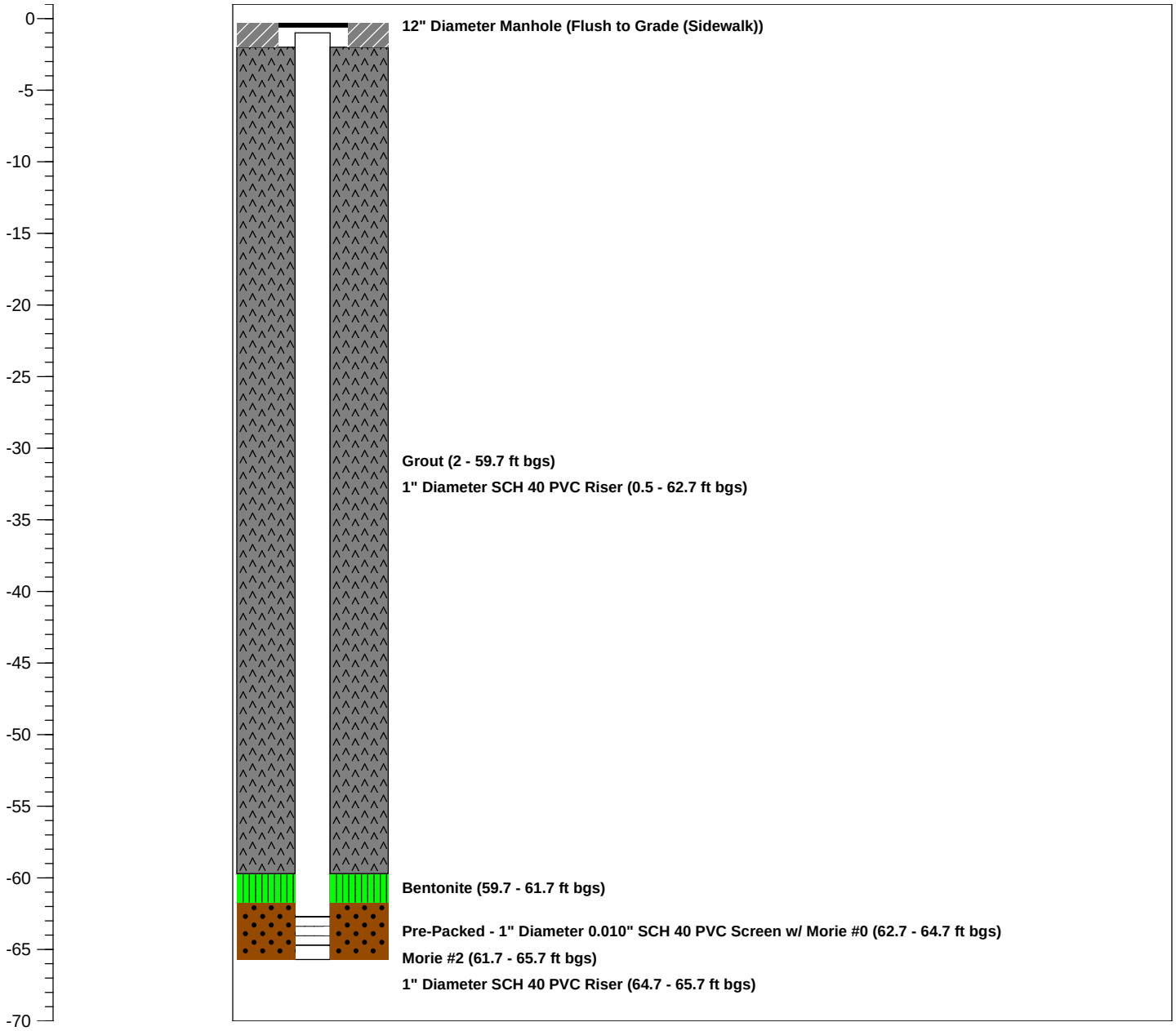
TOTAL DEPTH: **65.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-45**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **12/13/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

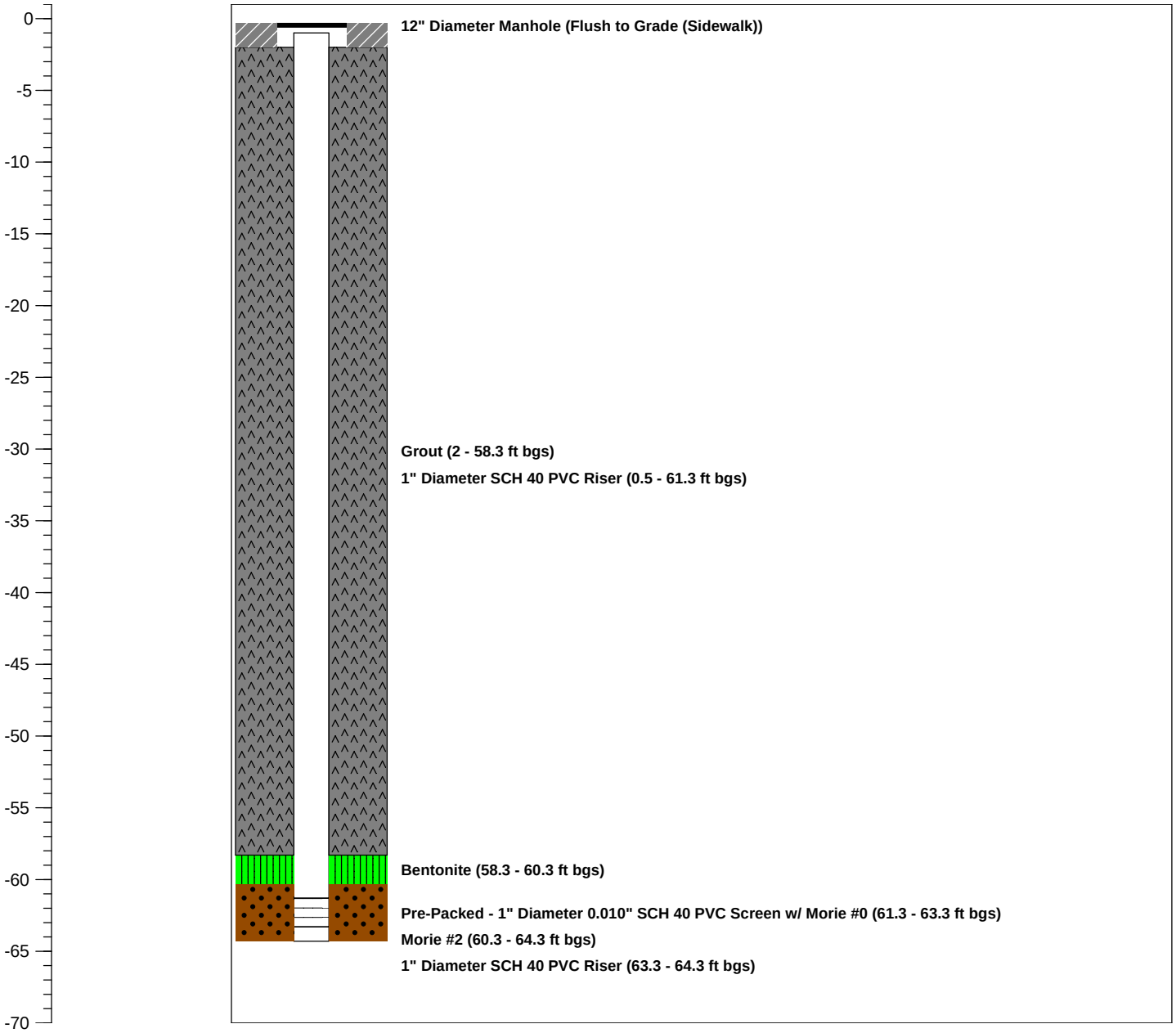
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**64.3'**	WELL NO.:	**OW-1-46**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/23/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

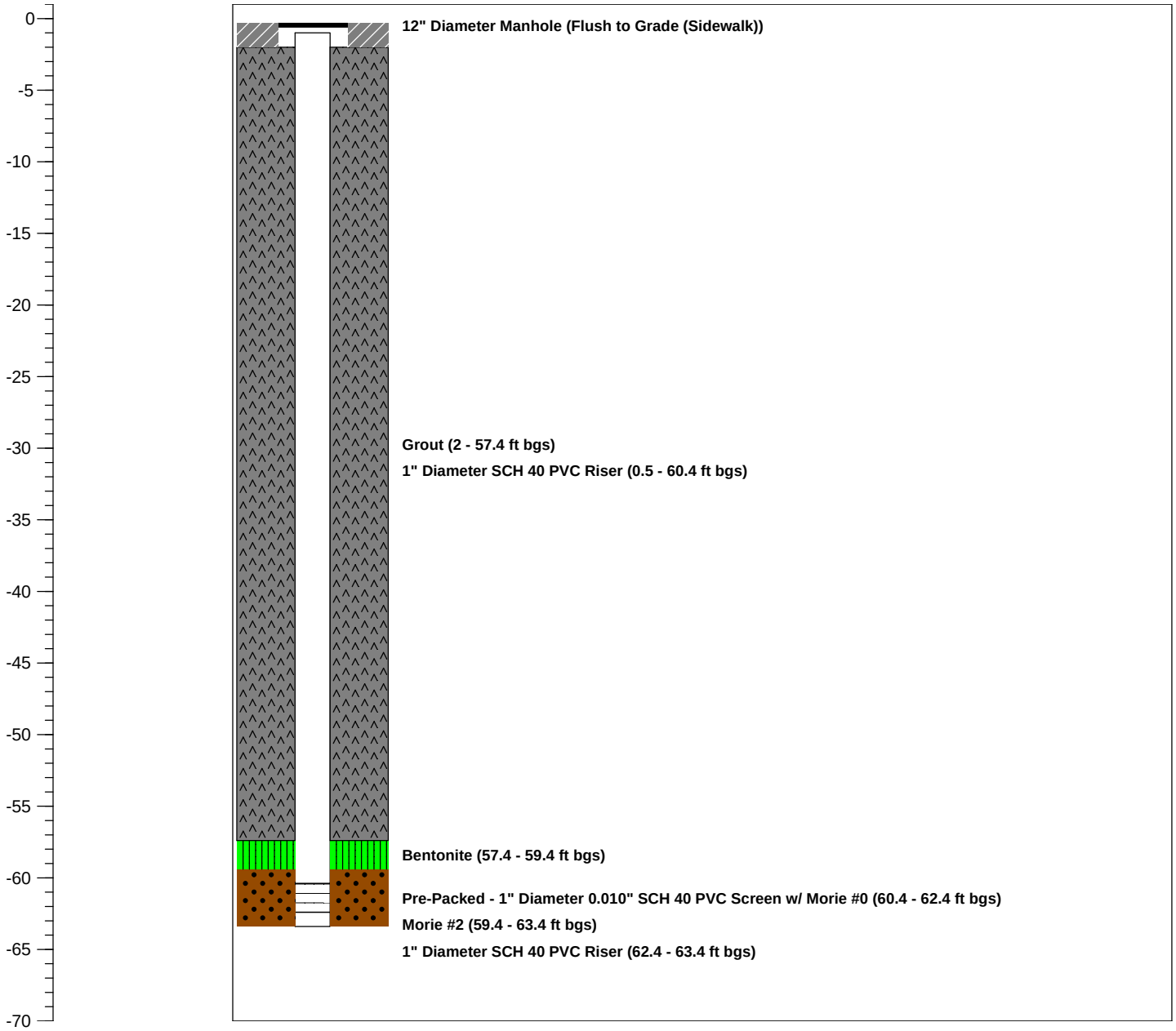
TOTAL DEPTH: **63.4'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-47**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/23/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

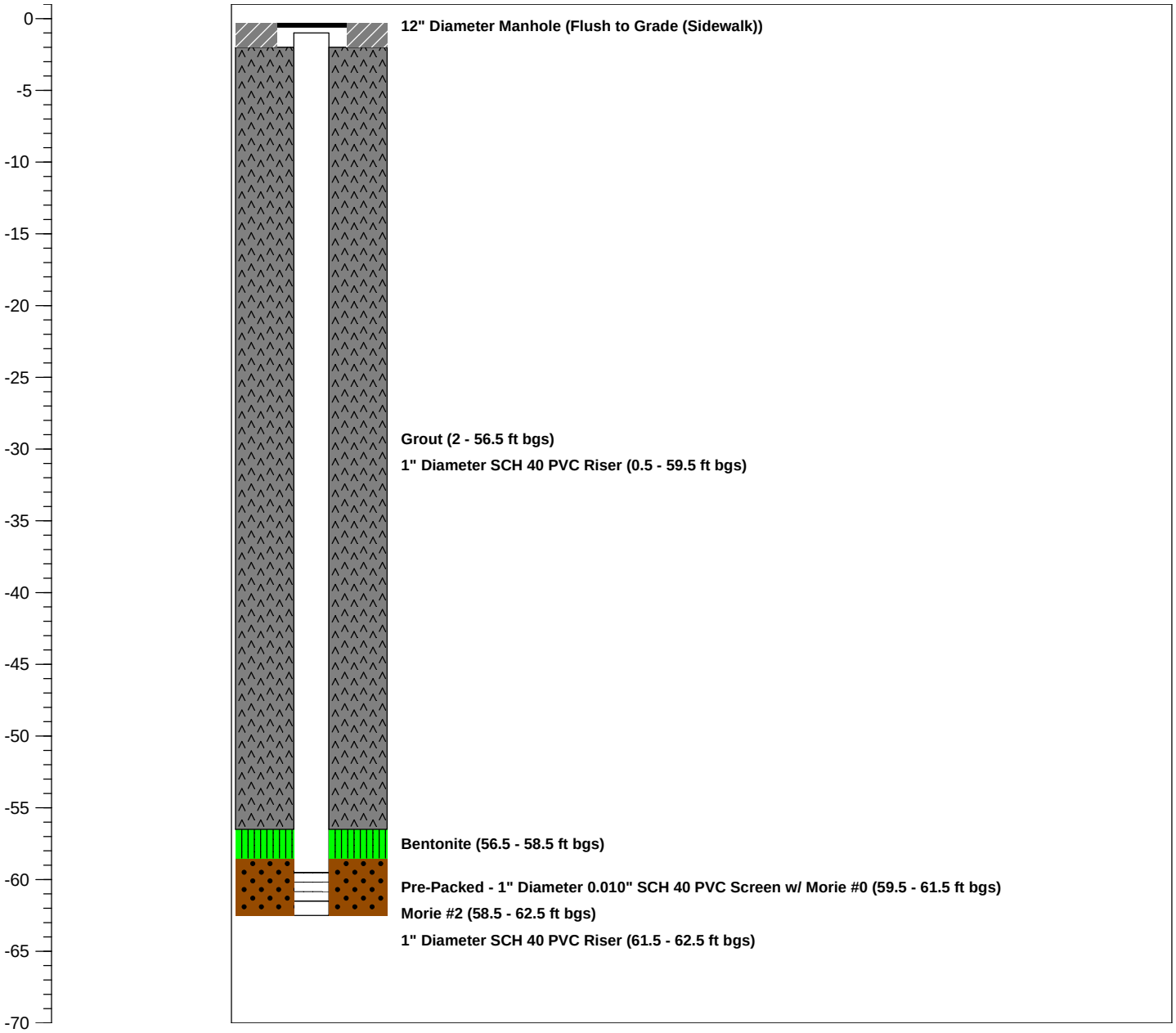
TOTAL DEPTH: **62.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-48**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **11/22/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

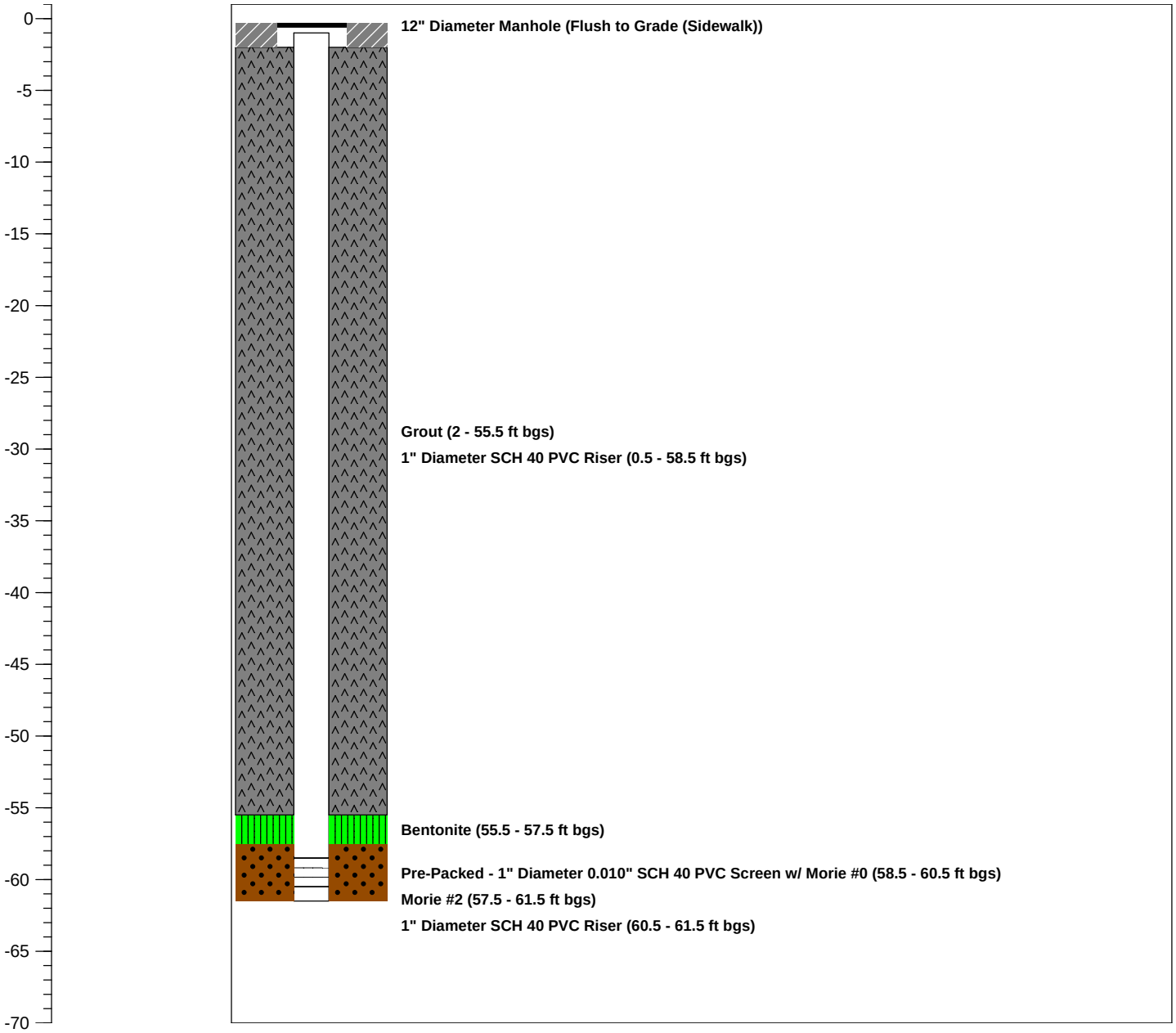
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**61.5'**	WELL NO.:	**OW-1-49**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/19/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

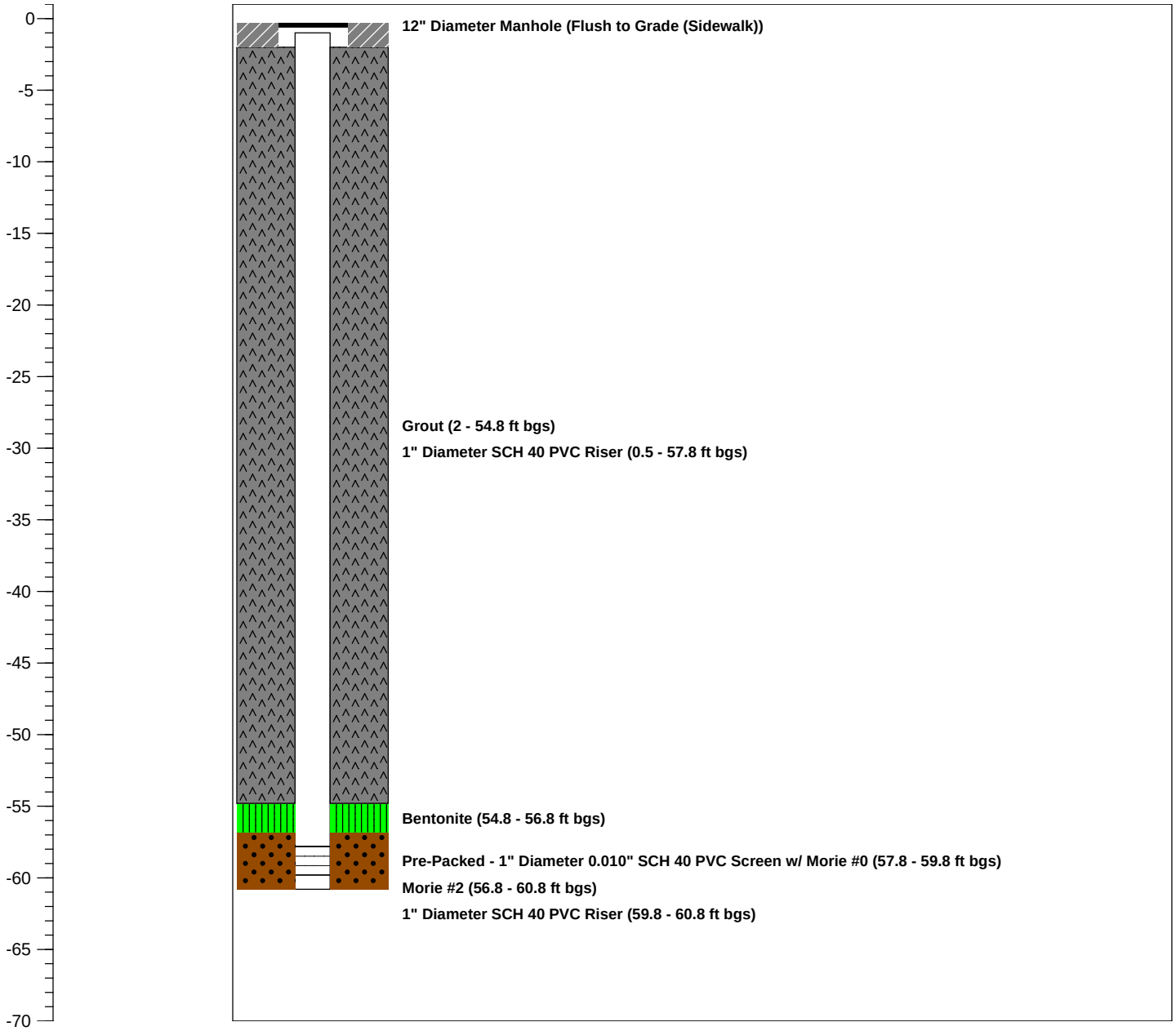
TOTAL DEPTH: **60.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-50**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/19/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #1**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

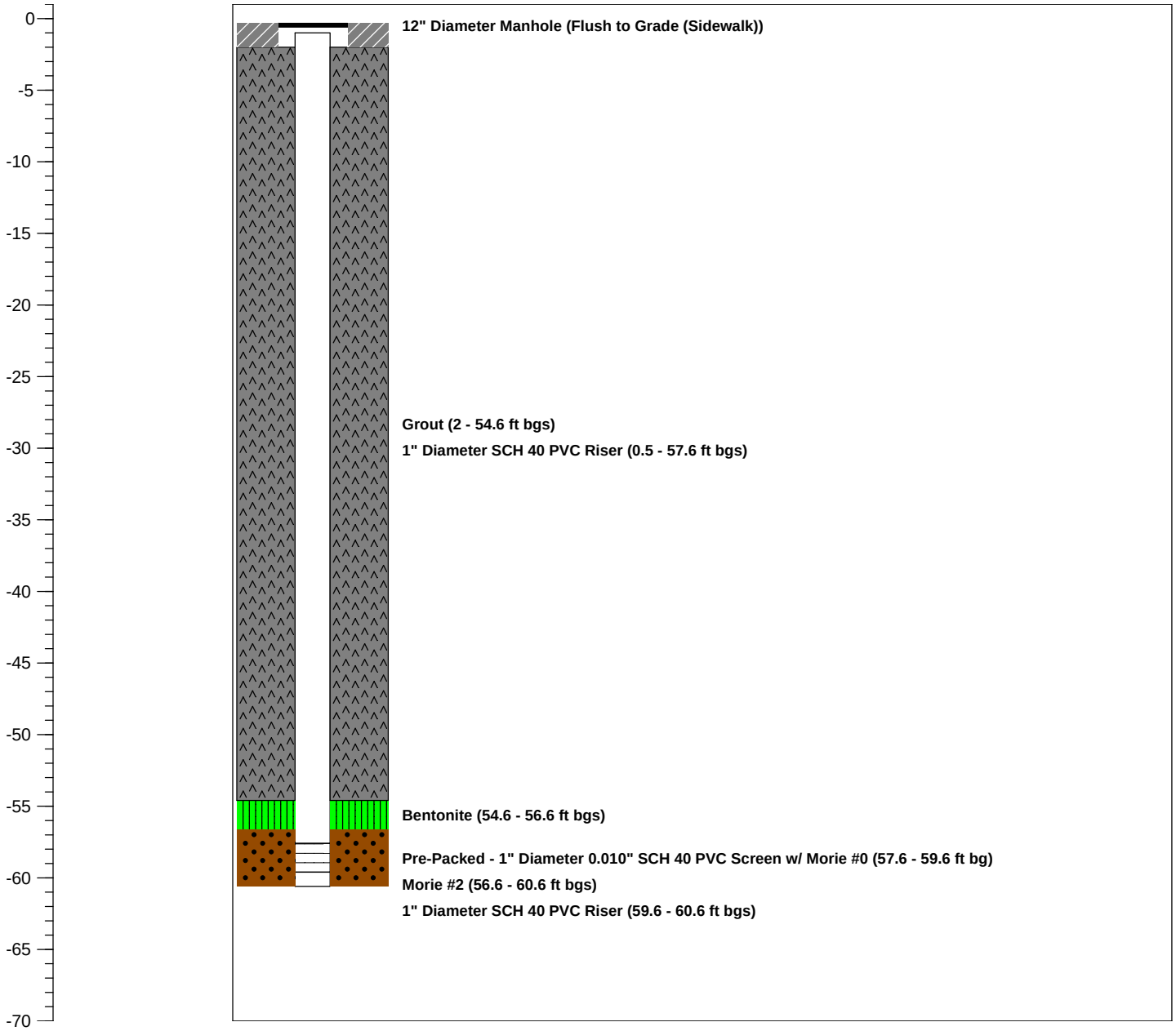
TOTAL DEPTH: **60.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-1-51**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **11/18/10**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

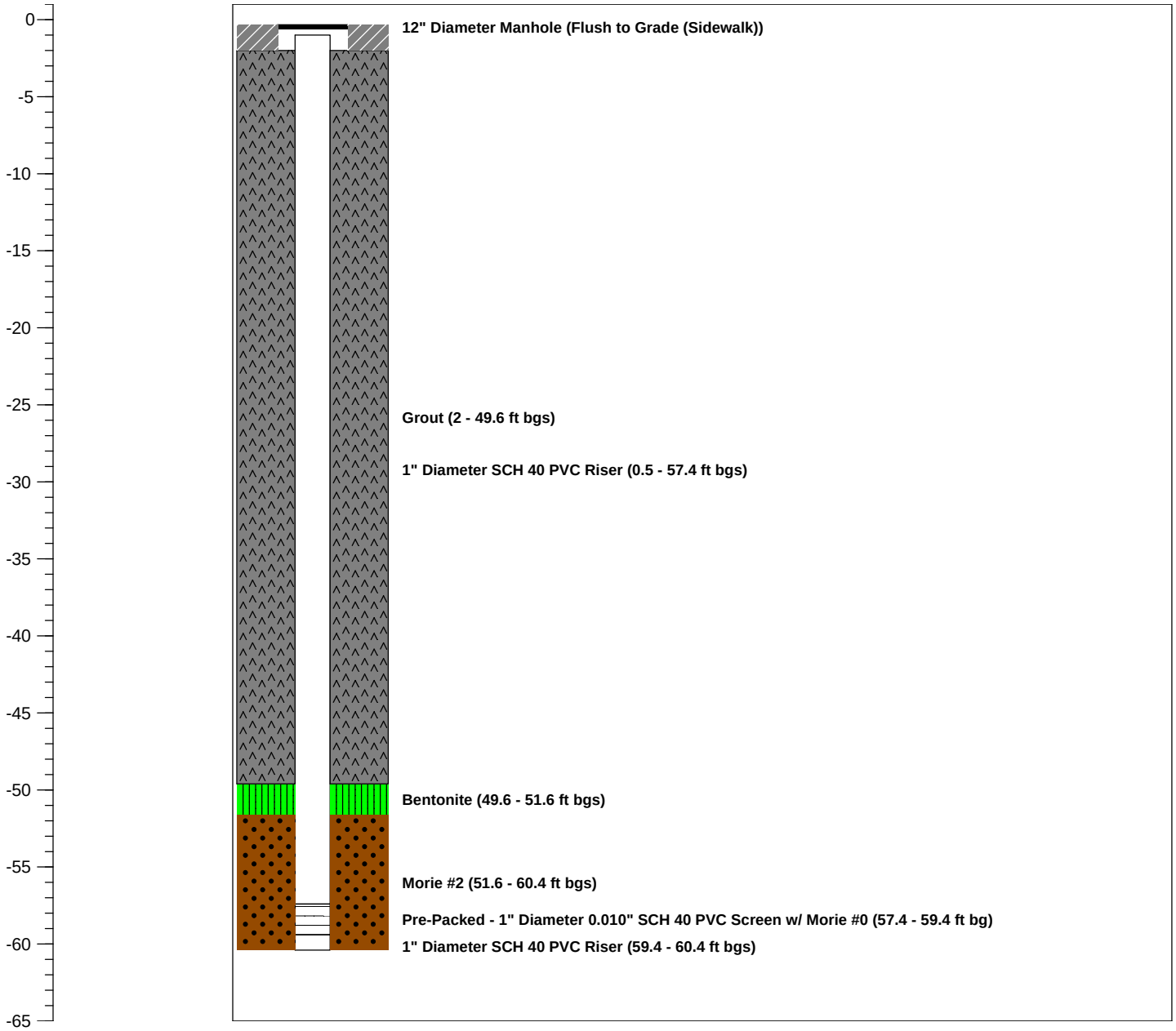
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**60.4'**	WELL NO.:	**OW-1-51R**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**3/17/11**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

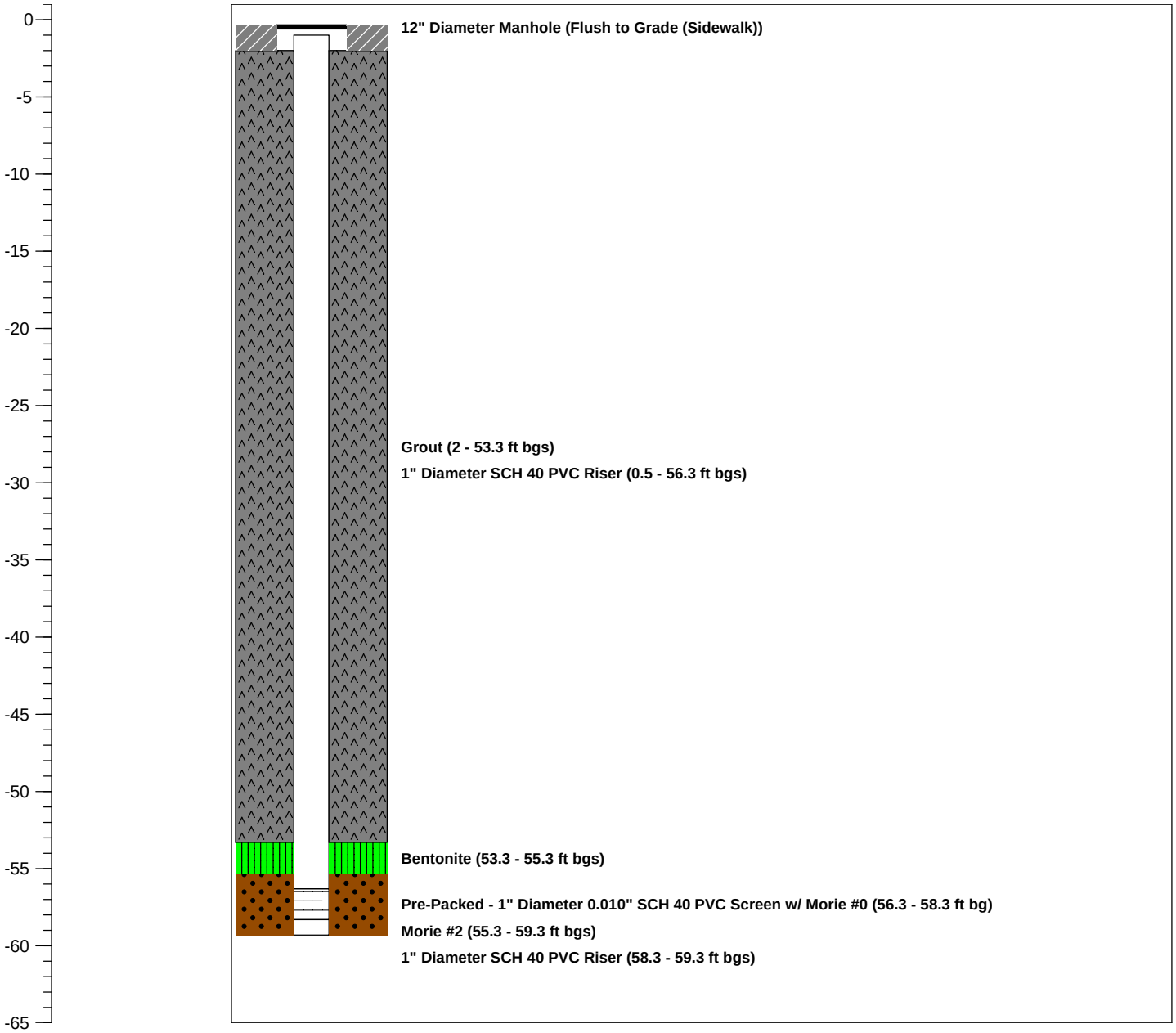
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**59.3'**	WELL NO.:	**OW-1-52**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/18/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

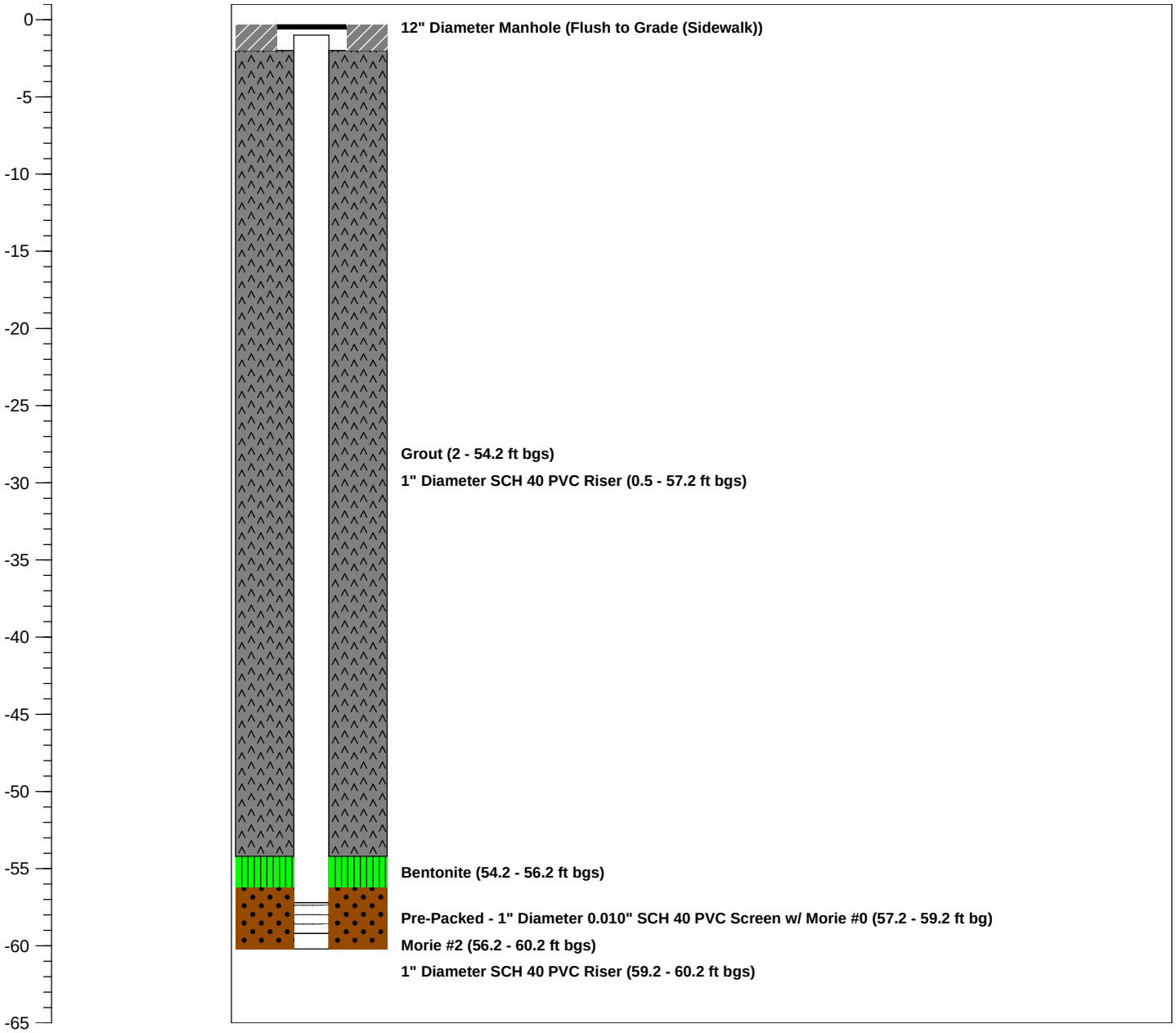
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**60.2'**	WELL NO.:	**OW-1-53**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

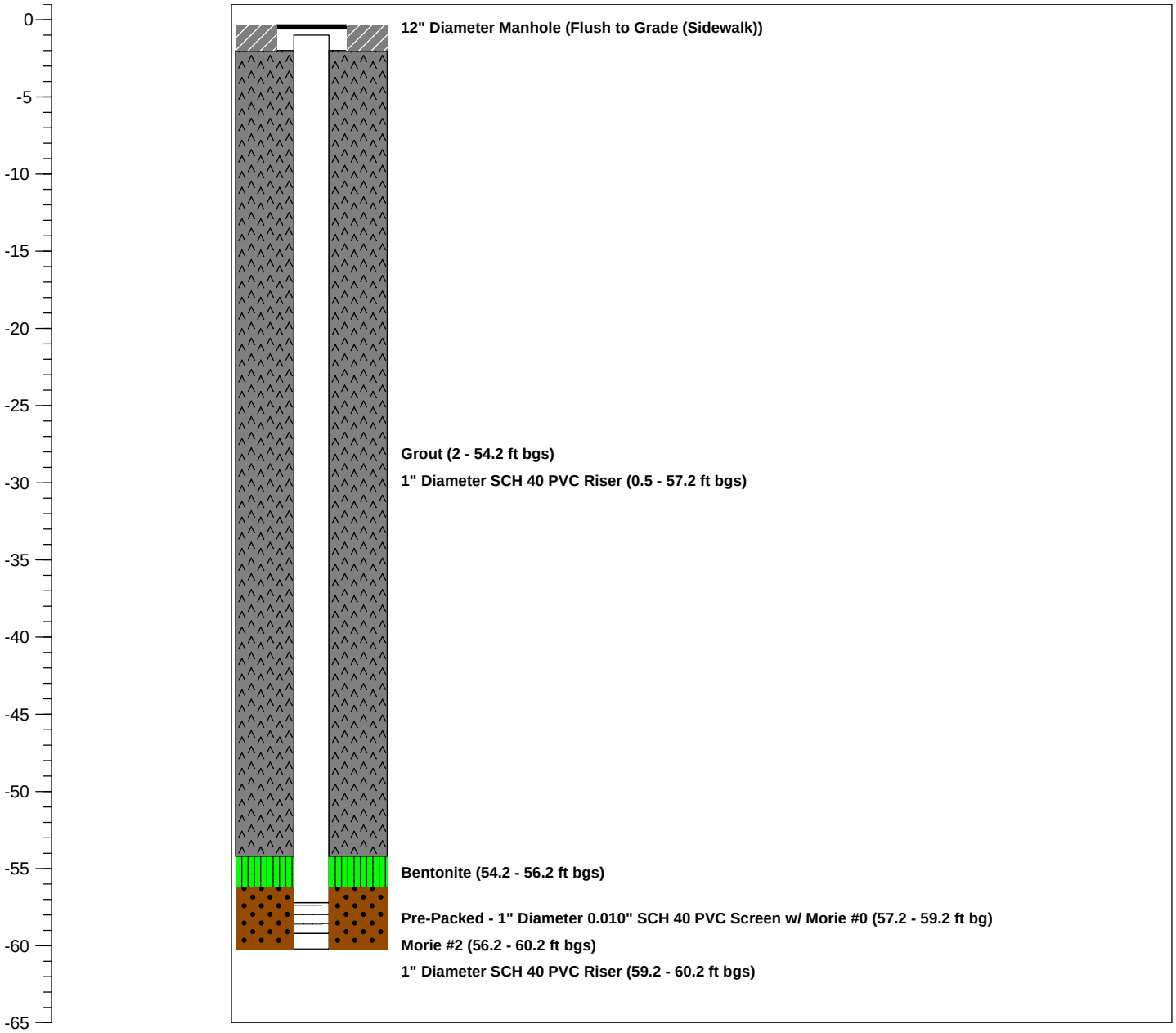
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #1**	TOTAL DEPTH:	**60.2'**	WELL NO.:	**OW-1-54**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002955**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**11/17/10**	Sampling Method:	-
Driller:	**Mike Mede**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002955**

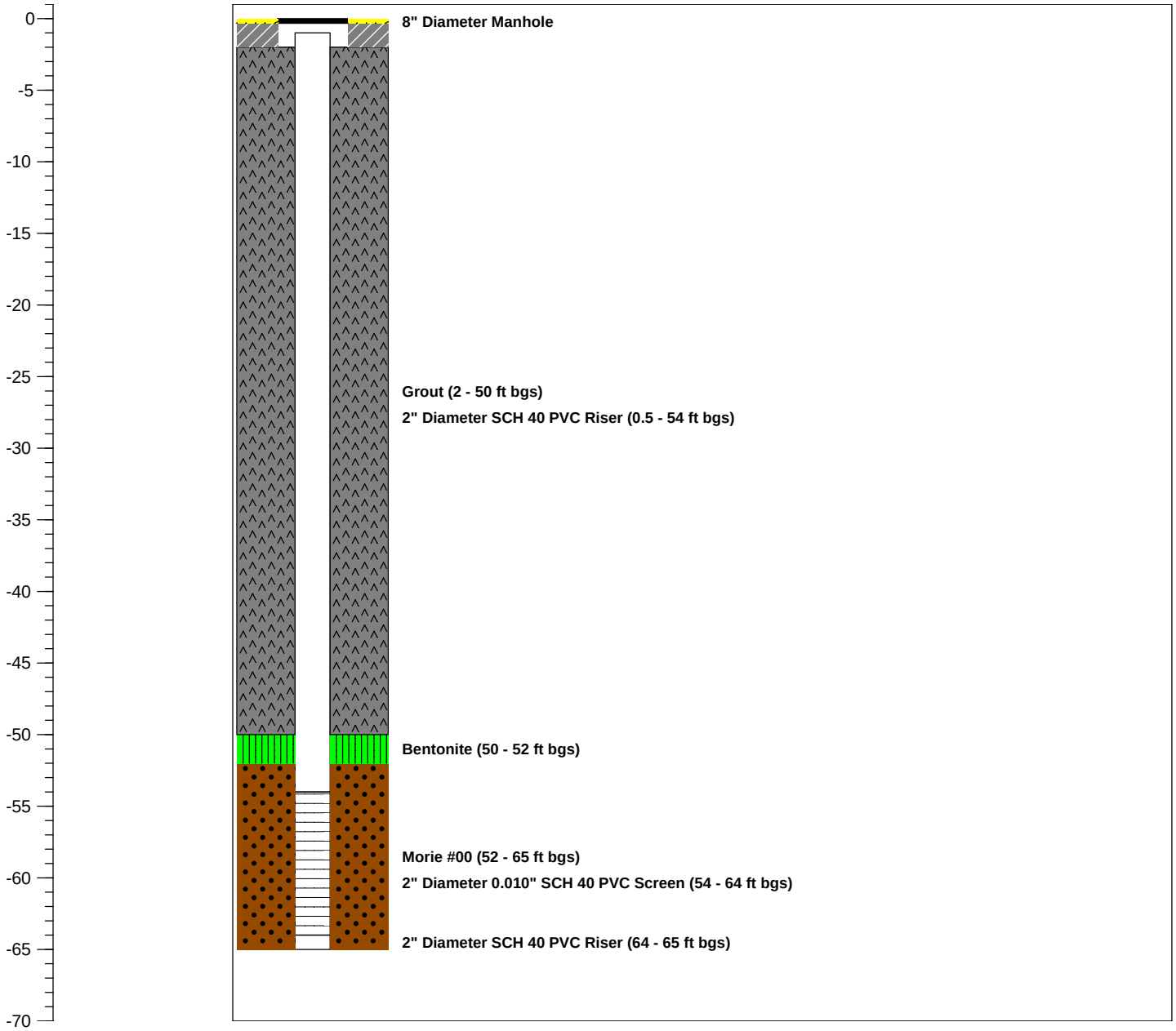
TOTAL DEPTH: **65'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **HIMW-22**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: **-**
Dates Drilled: **5/3/11**
Driller: **Mike Mede**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Hollow Stem Auger**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

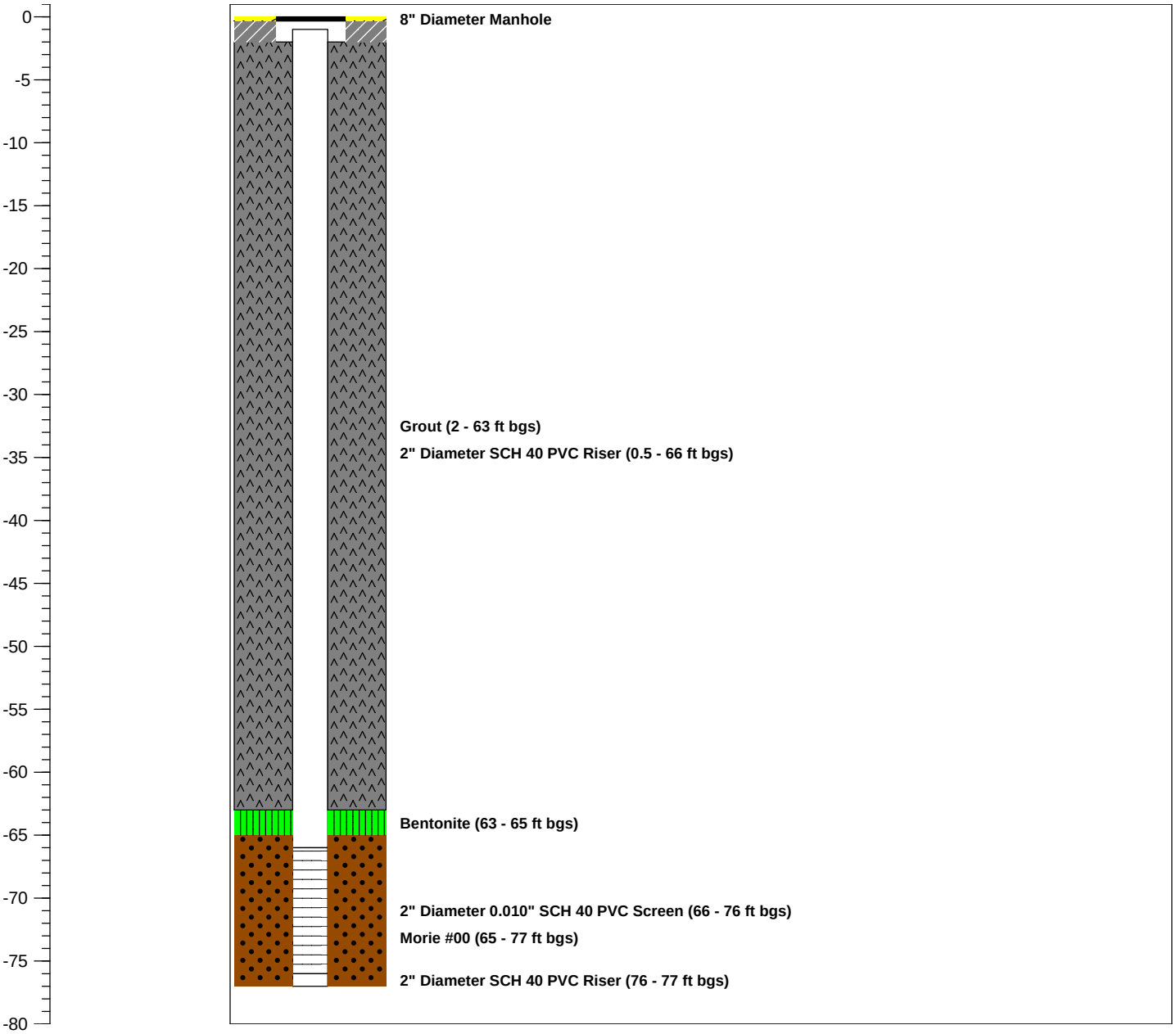
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**77'**	WELL NO.:	**HIMW-23**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Monitoring**
JOB #:	**1002955**	BOREHOLE DIA.:	**8"**	WELL DIA.:	**2"**

Logged By:	-	Drilling Method:	**Hollow Stem Auger**
Dates Drilled:	**4/29/11**	Sampling Method:	-
Driller:	**Barry Rummell**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

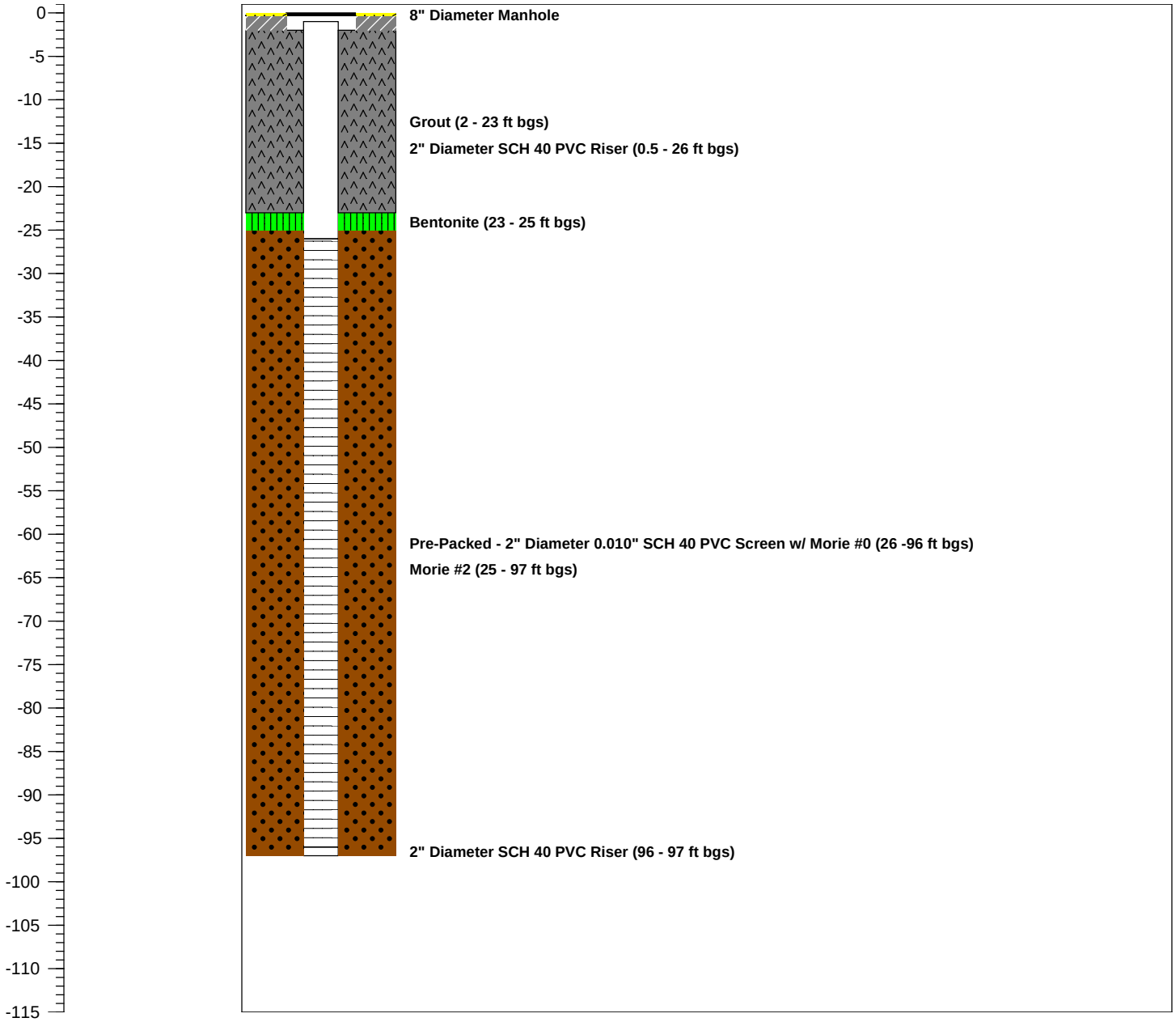
TOTAL DEPTH: **97'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **MP-2-1**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **8/26/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Hollow Stem Auger**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

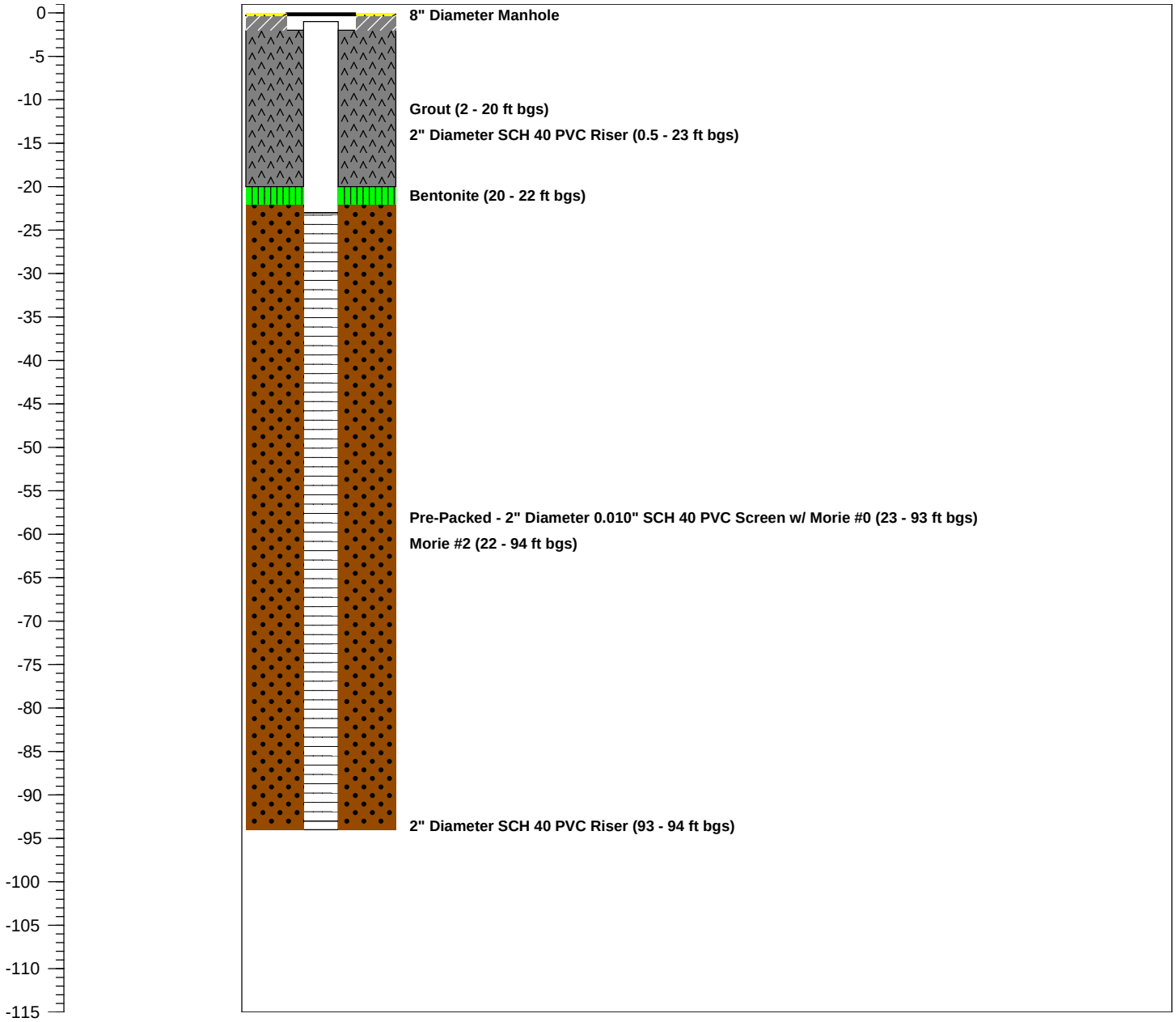
TOTAL DEPTH: **94'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **MP-2-2**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **8/23/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Hollow Stem Auger**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

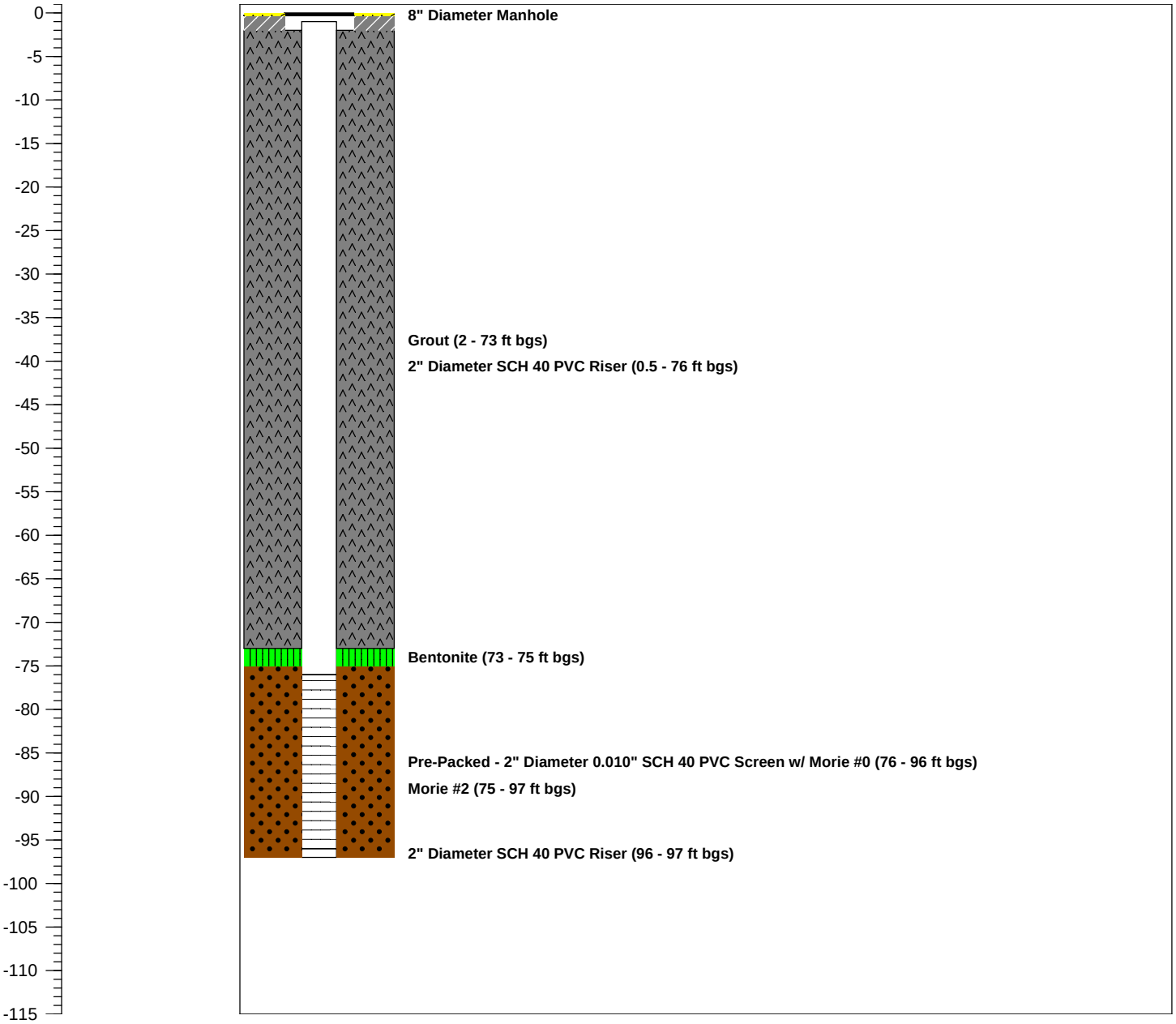
TOTAL DEPTH: **97'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **MP-2-3D**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: **-**
Dates Drilled: **8/23/10**
Driller: **Mark Schock**
Drill Rig Type: **CME-55LC**

Drilling Method: **Hollow Stem Auger**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

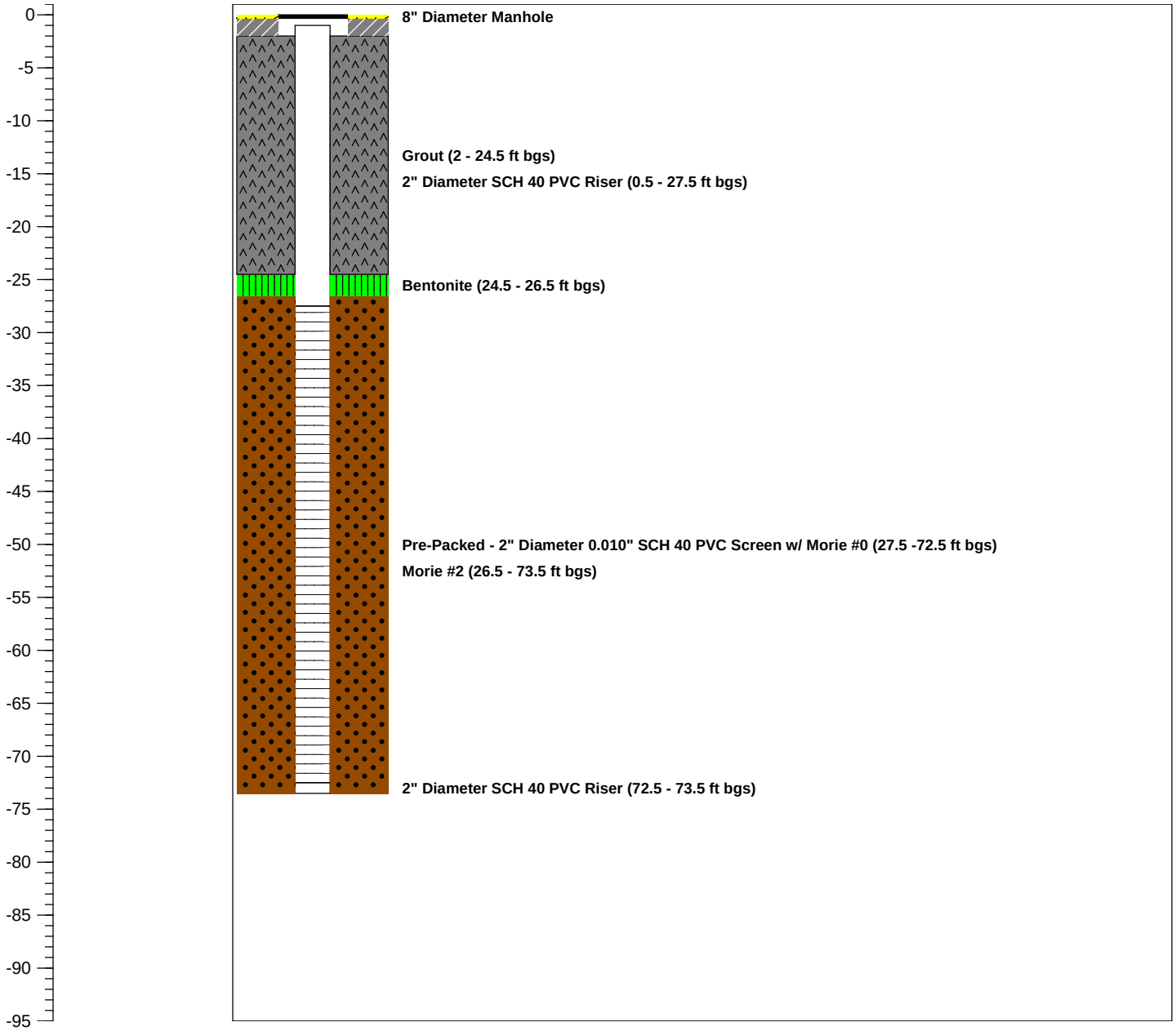
TOTAL DEPTH: **73.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **8"**

WELL NO.: **MP-2-3S**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **8/24/10**
Driller: **Mark Schock**
Drill Rig Type: **CME-55LC**

Drilling Method: **Hollow Stem Auger**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.25 inch ID hollow stem auger. The hollow stem auger was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

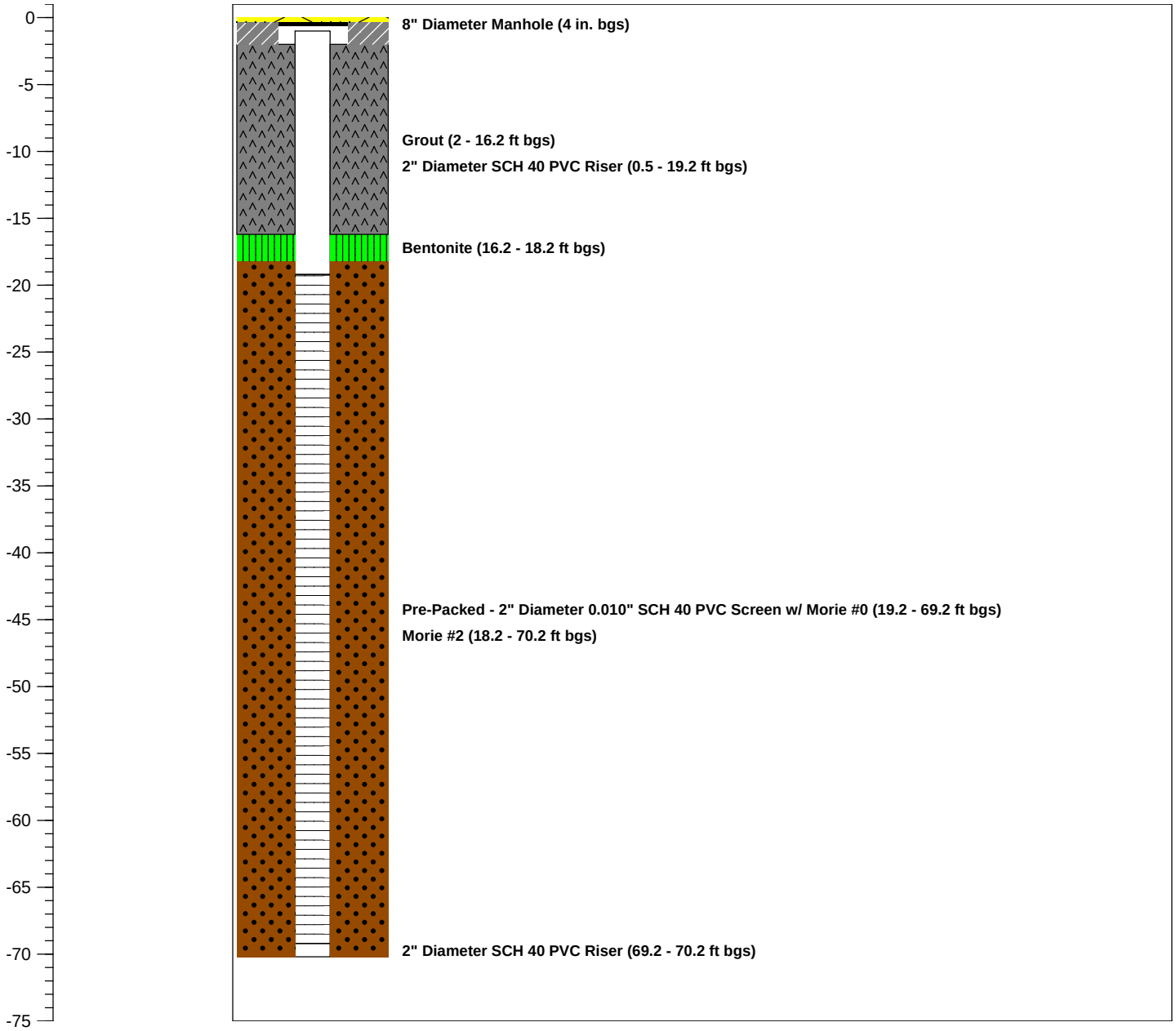
TOTAL DEPTH: **70.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **4.5"**

WELL NO.: **MP-2-4**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **6/21/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

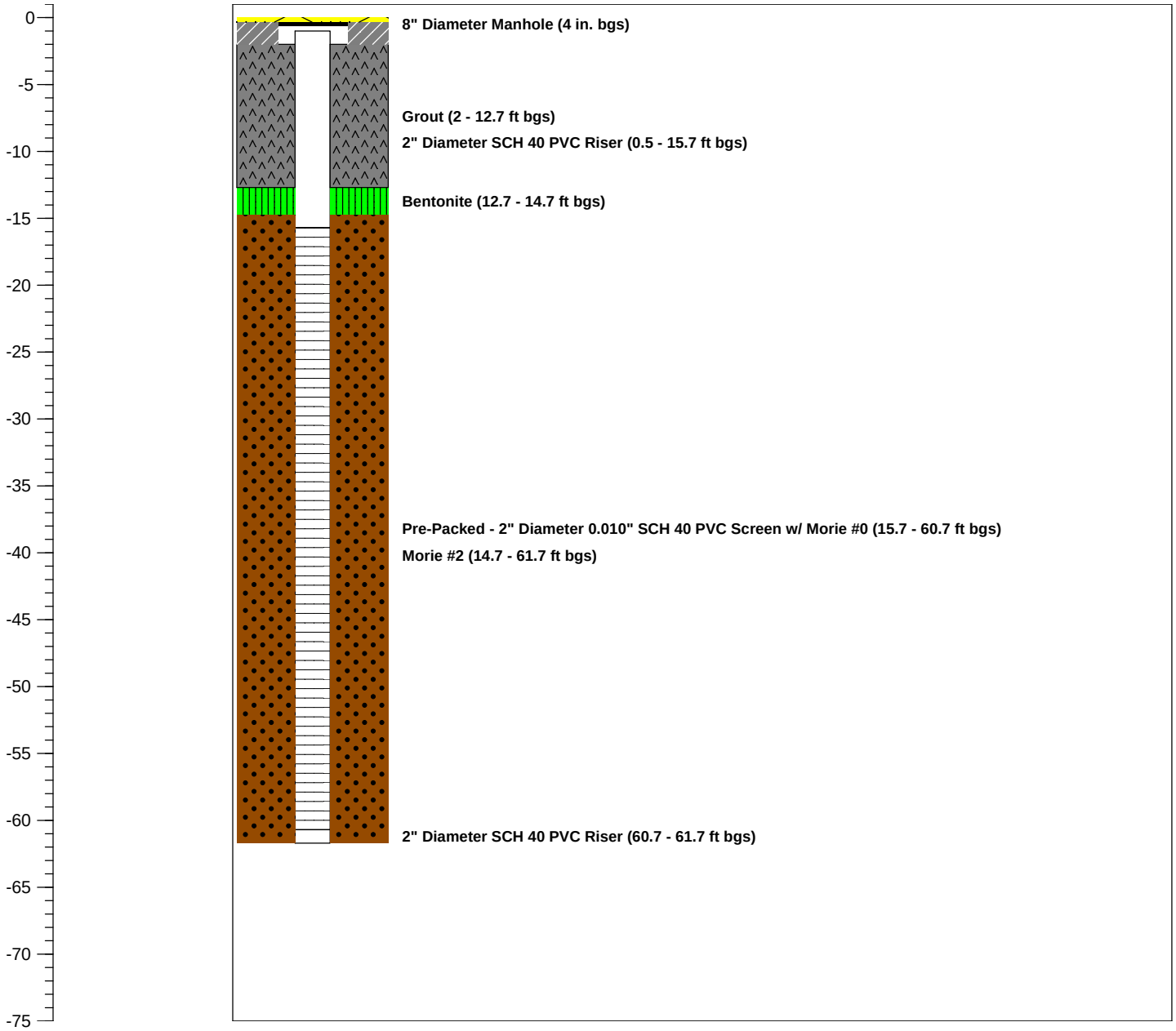
TOTAL DEPTH: **61.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **4.5"**

WELL NO.: **MP-2-5**
WELL USE.: **Monitoring**
WELL DIA.: **2"**

Logged By: -
Dates Drilled: **6/21/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **8" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 4.5 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

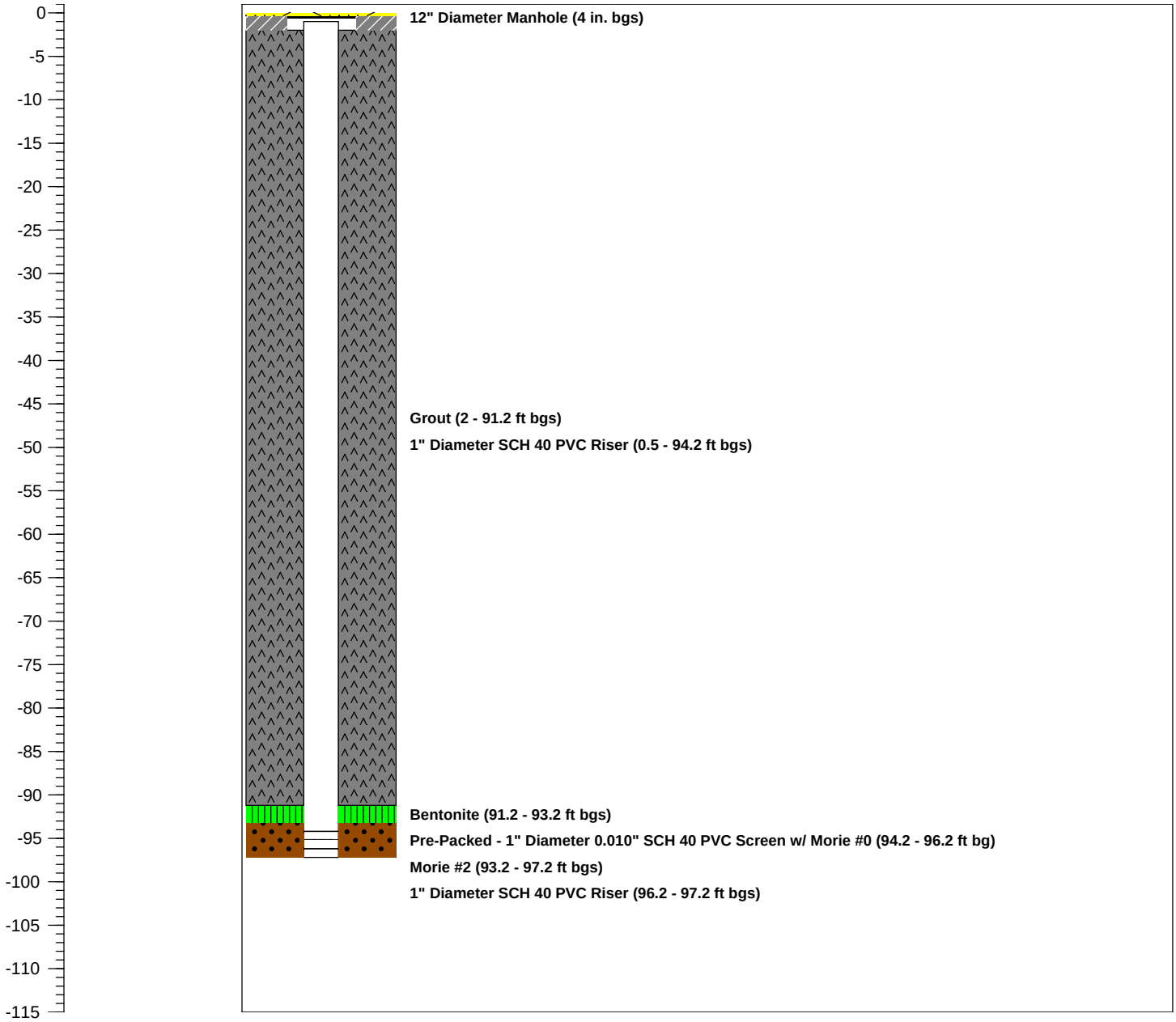
TOTAL DEPTH: **97.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-10D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/8/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

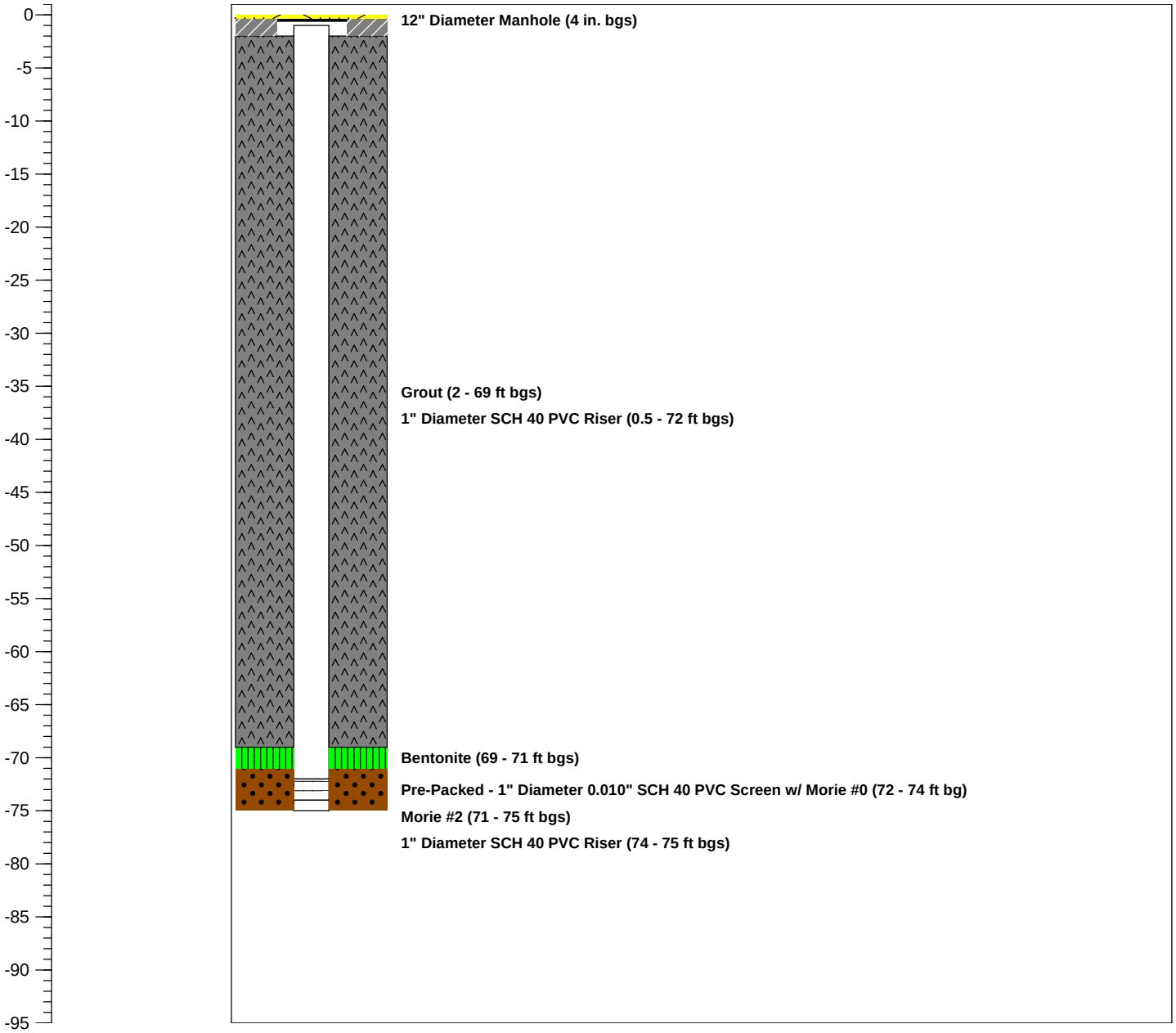
TOTAL DEPTH: **75'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-10S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/7/10**
Driller: **Barry Rummel & Matt Briody**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

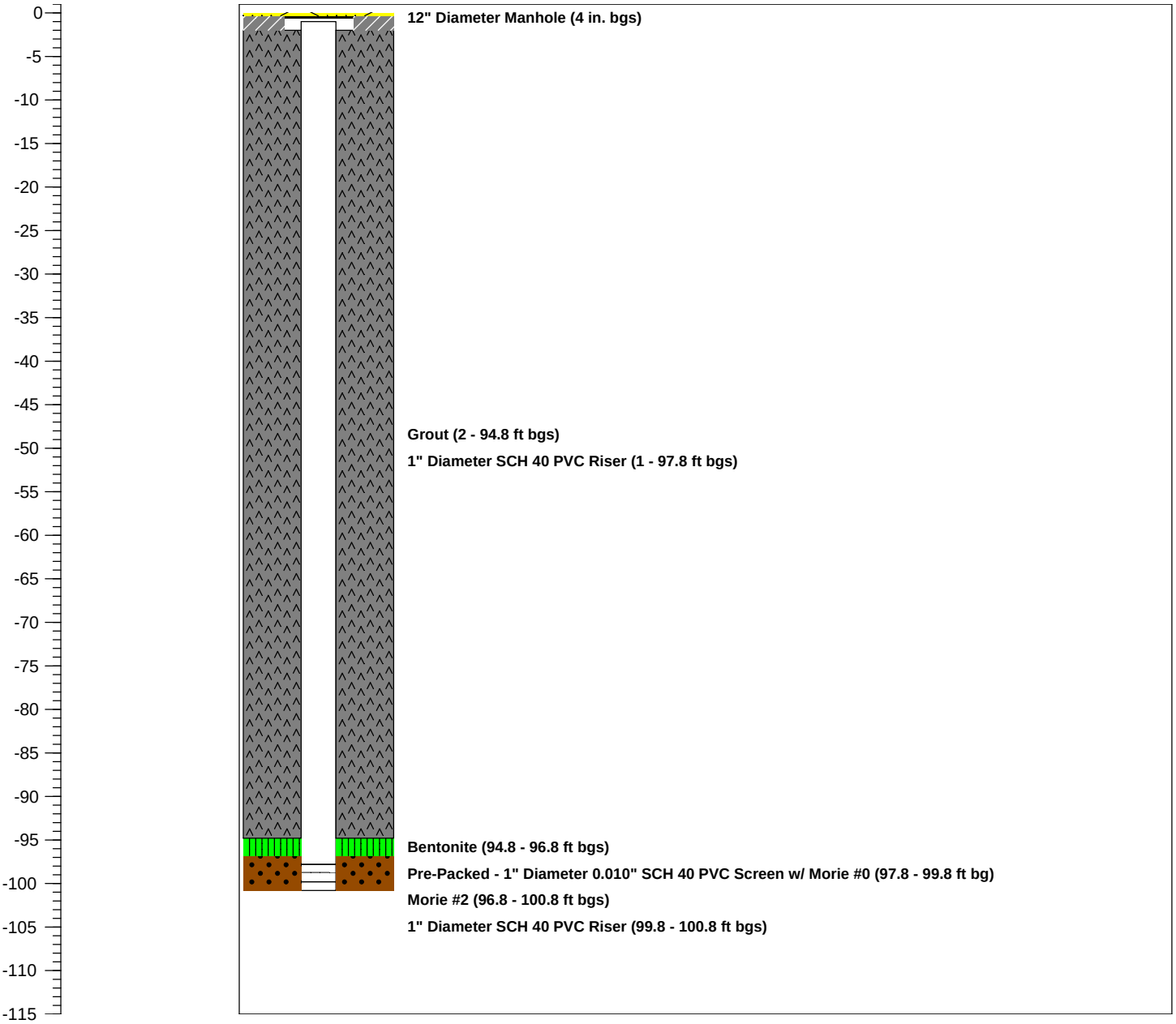
TOTAL DEPTH: **100.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-11D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **7/7/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

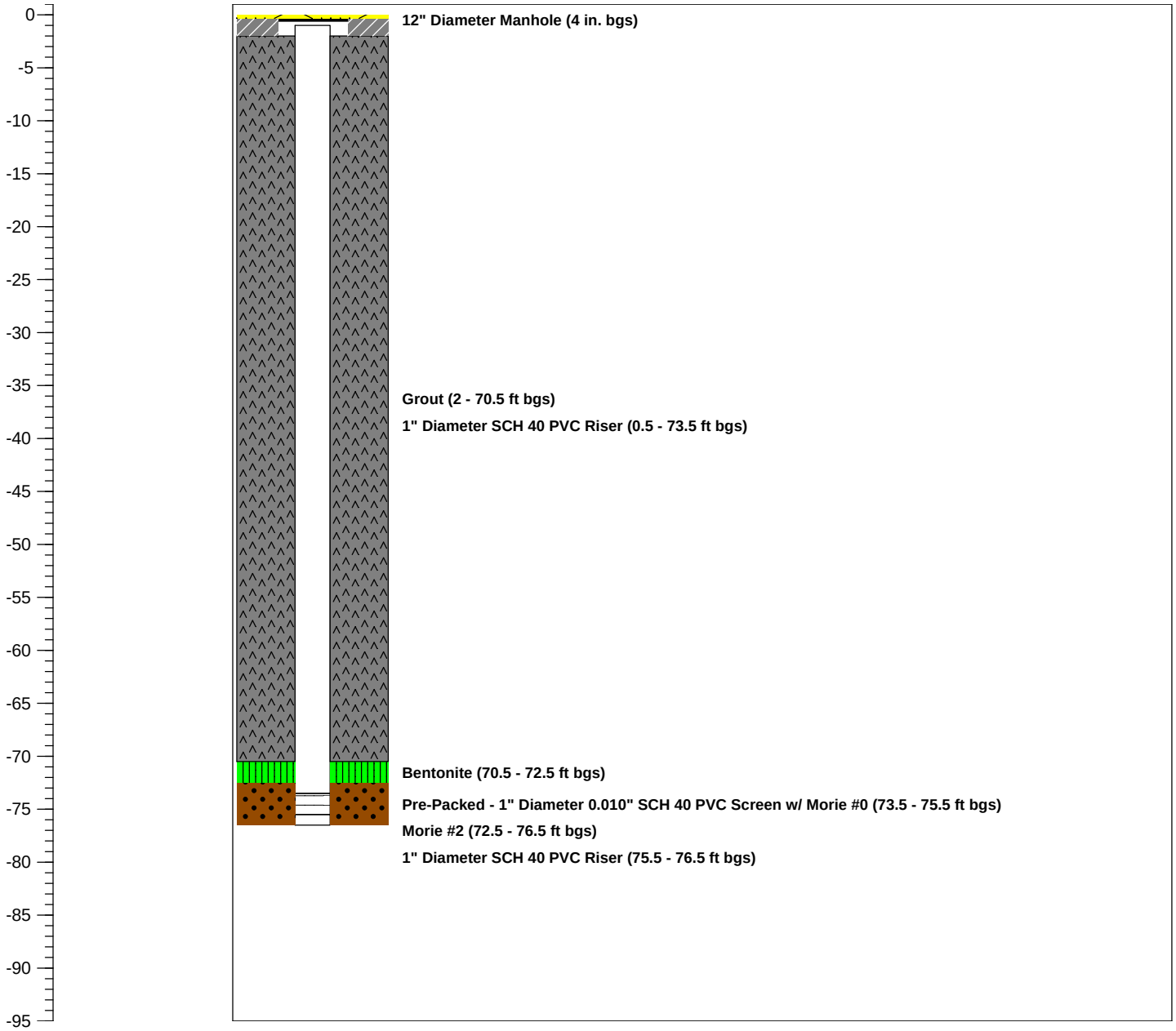
TOTAL DEPTH: **76.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-11S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/6/10**
Driller: **Matt Briody**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

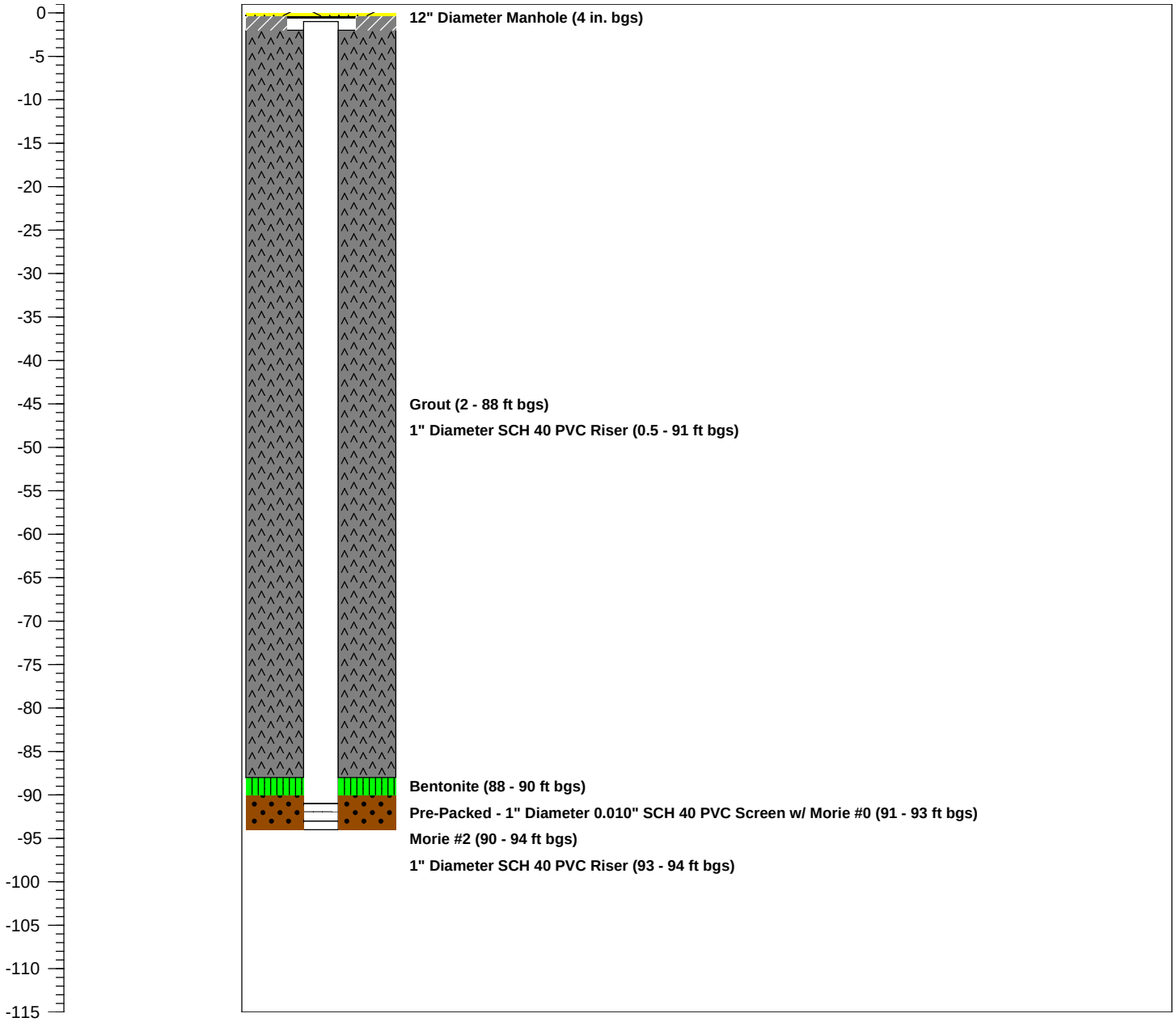
TOTAL DEPTH: **94'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-12**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/6/10**
Driller: **Barry Rummel & Matt Briody**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

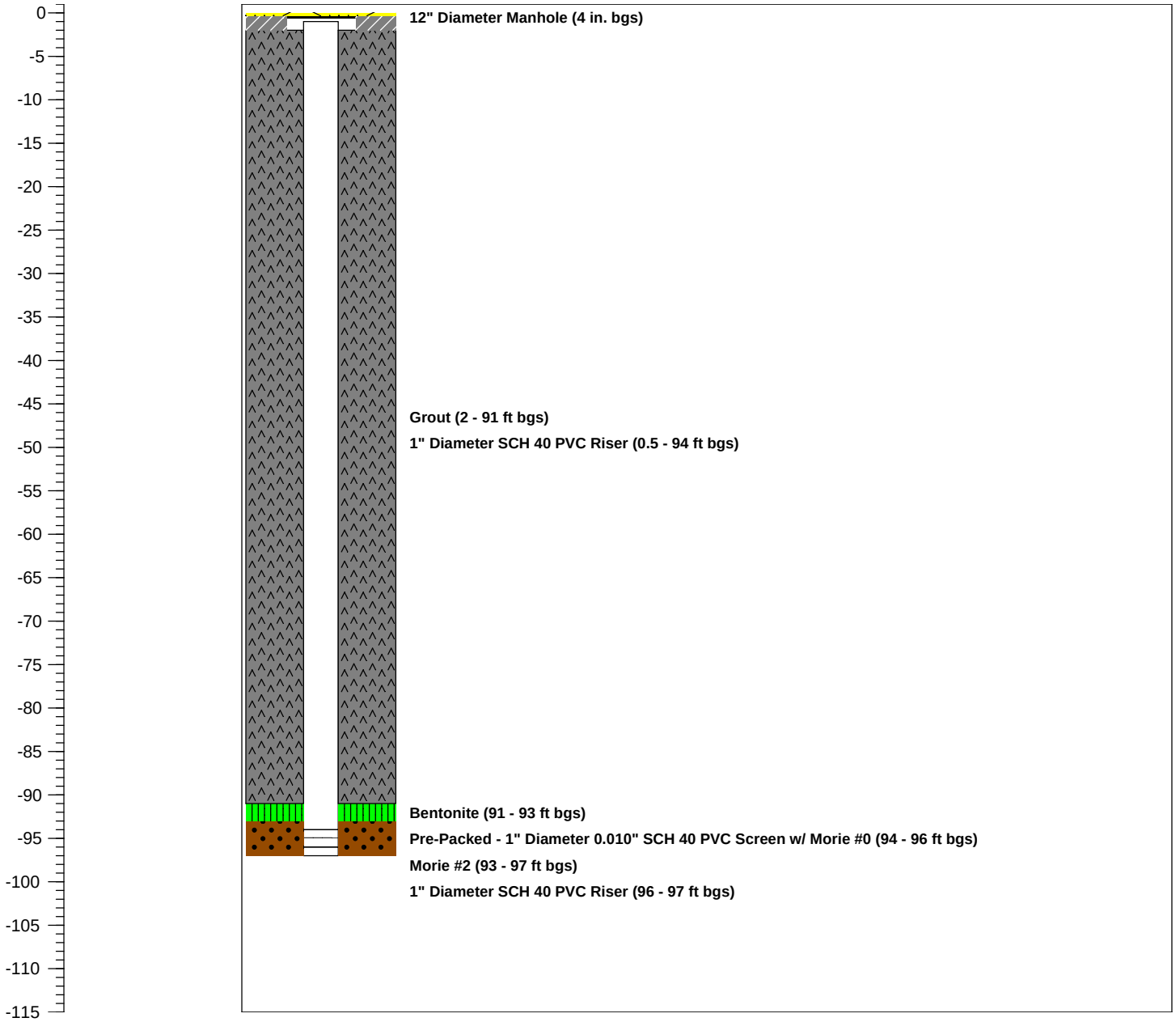
TOTAL DEPTH: **97'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-13D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/6/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

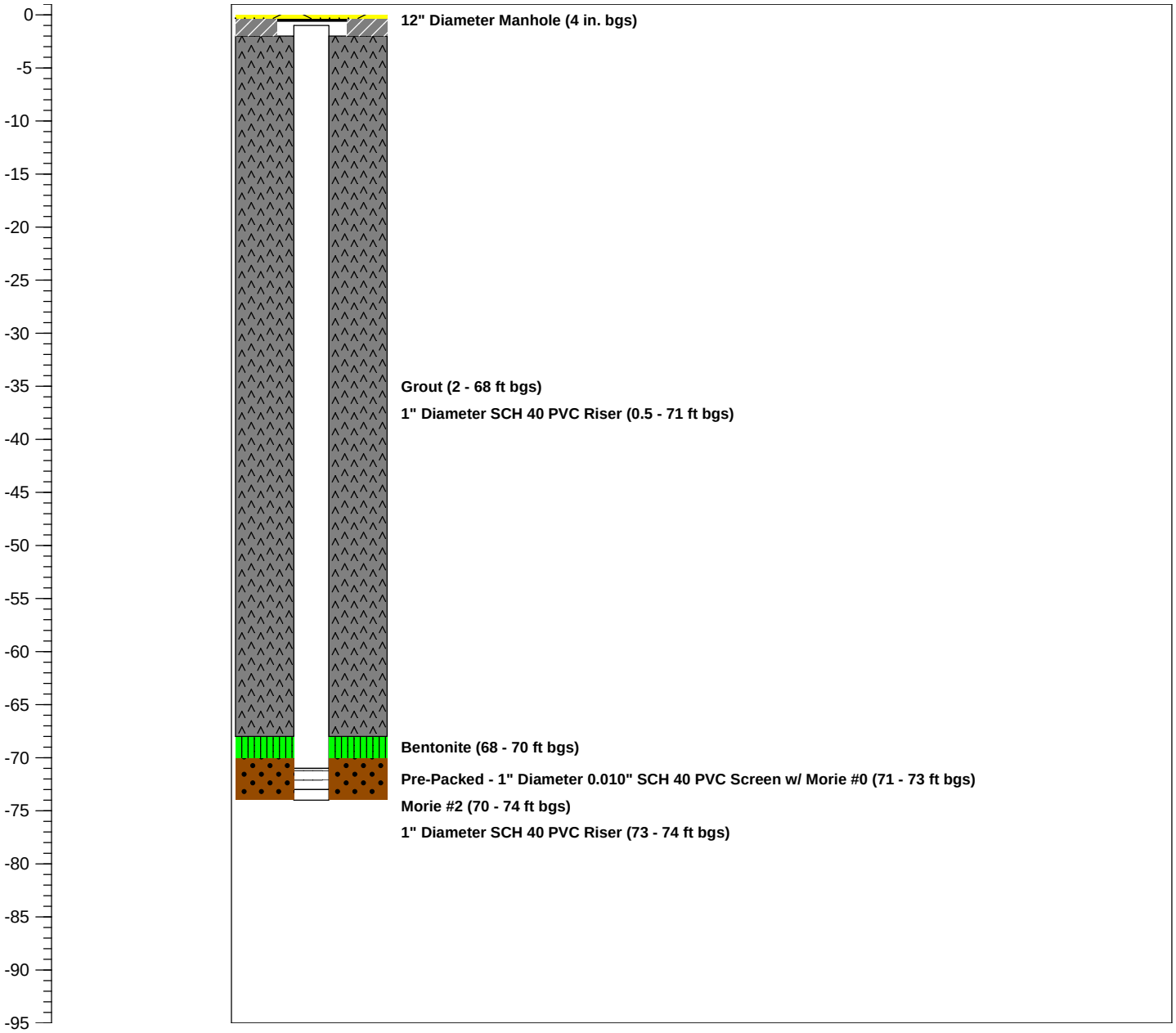
TOTAL DEPTH: **74'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-13S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/2/10**
Driller: **Matt Briody**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

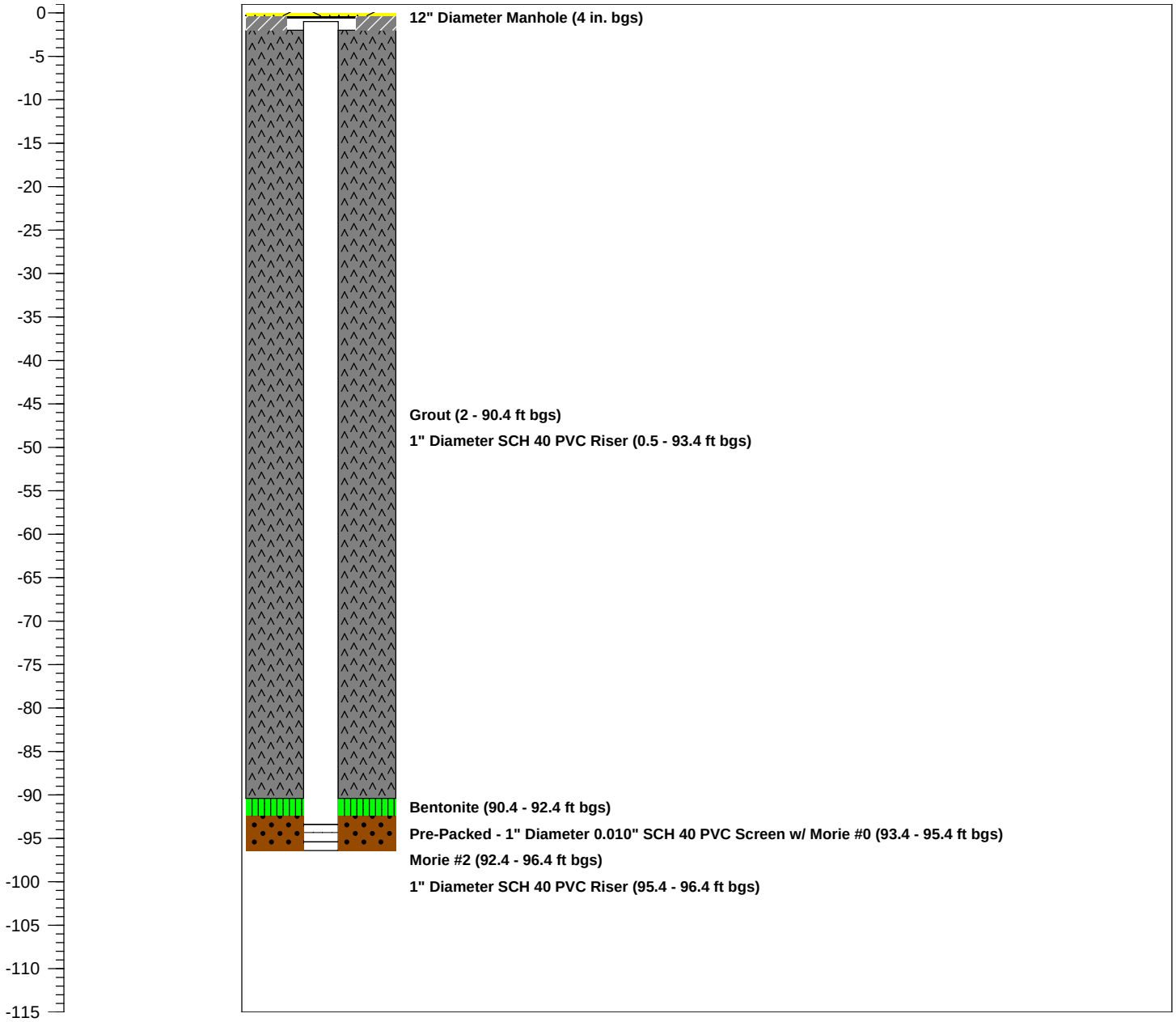
TOTAL DEPTH: **96.4'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-14**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **7/8/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

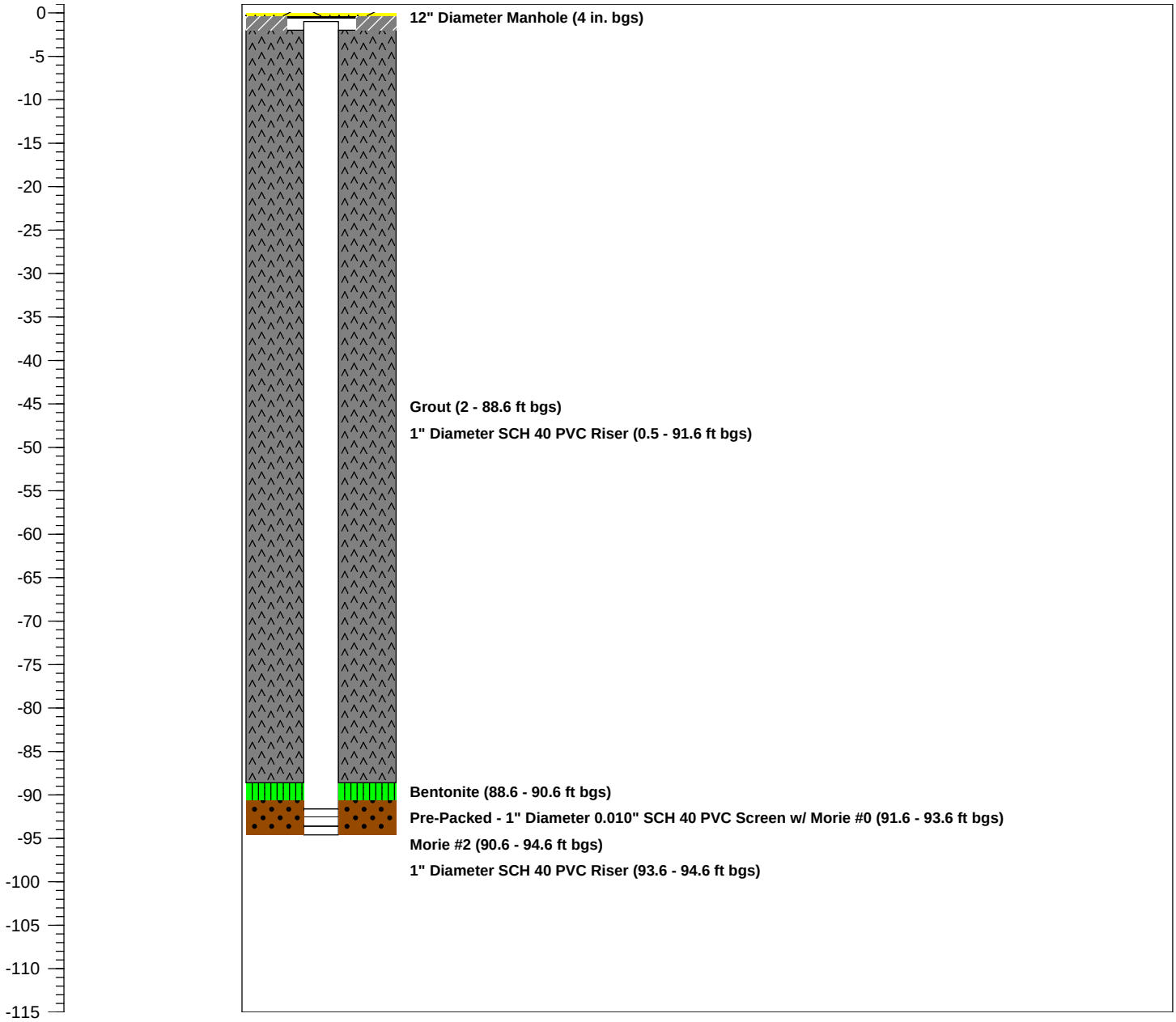
TOTAL DEPTH: **94.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-15D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/1/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

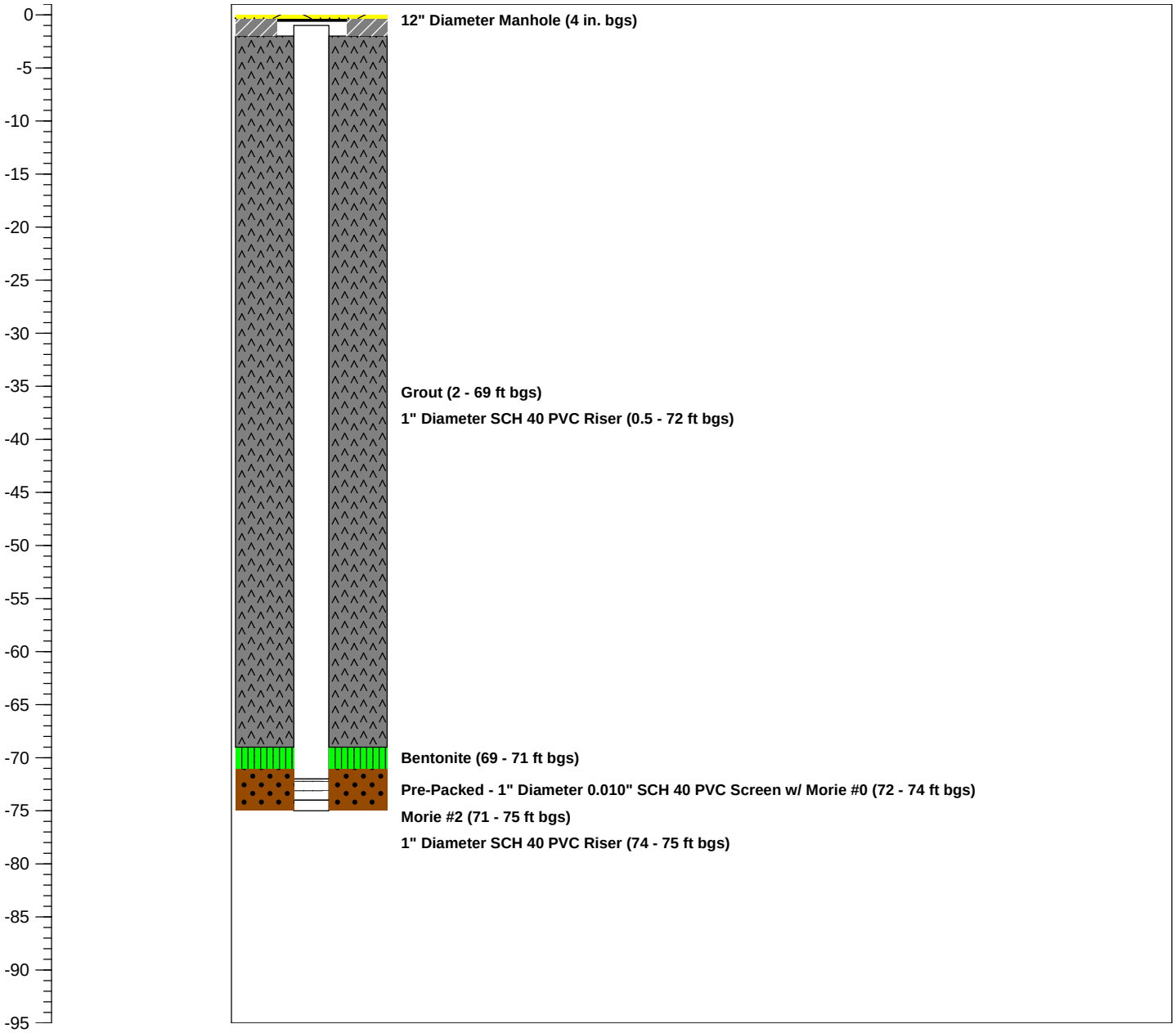
TOTAL DEPTH: **75'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-15S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/2/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

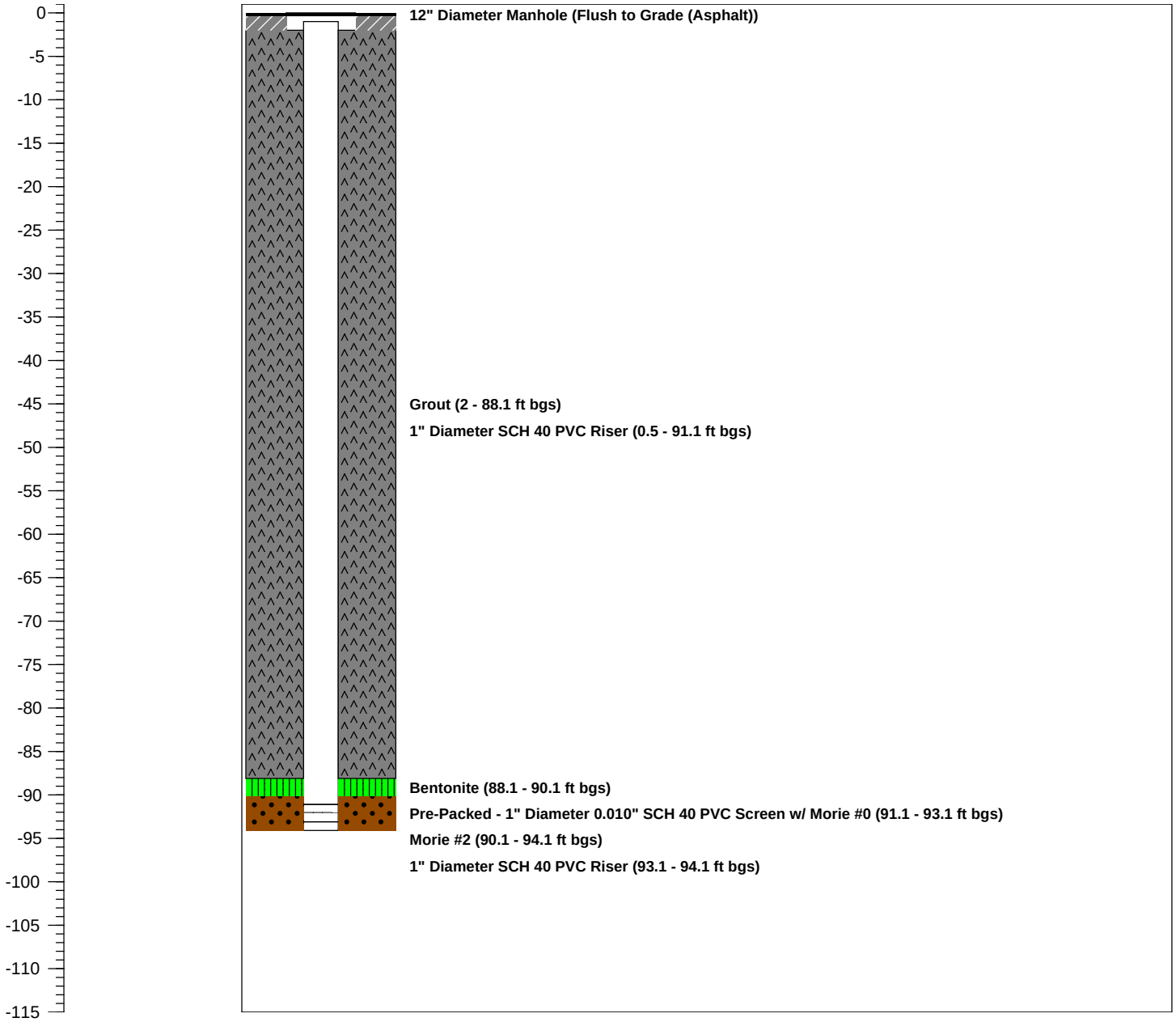
TOTAL DEPTH: **94.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-16D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/30/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

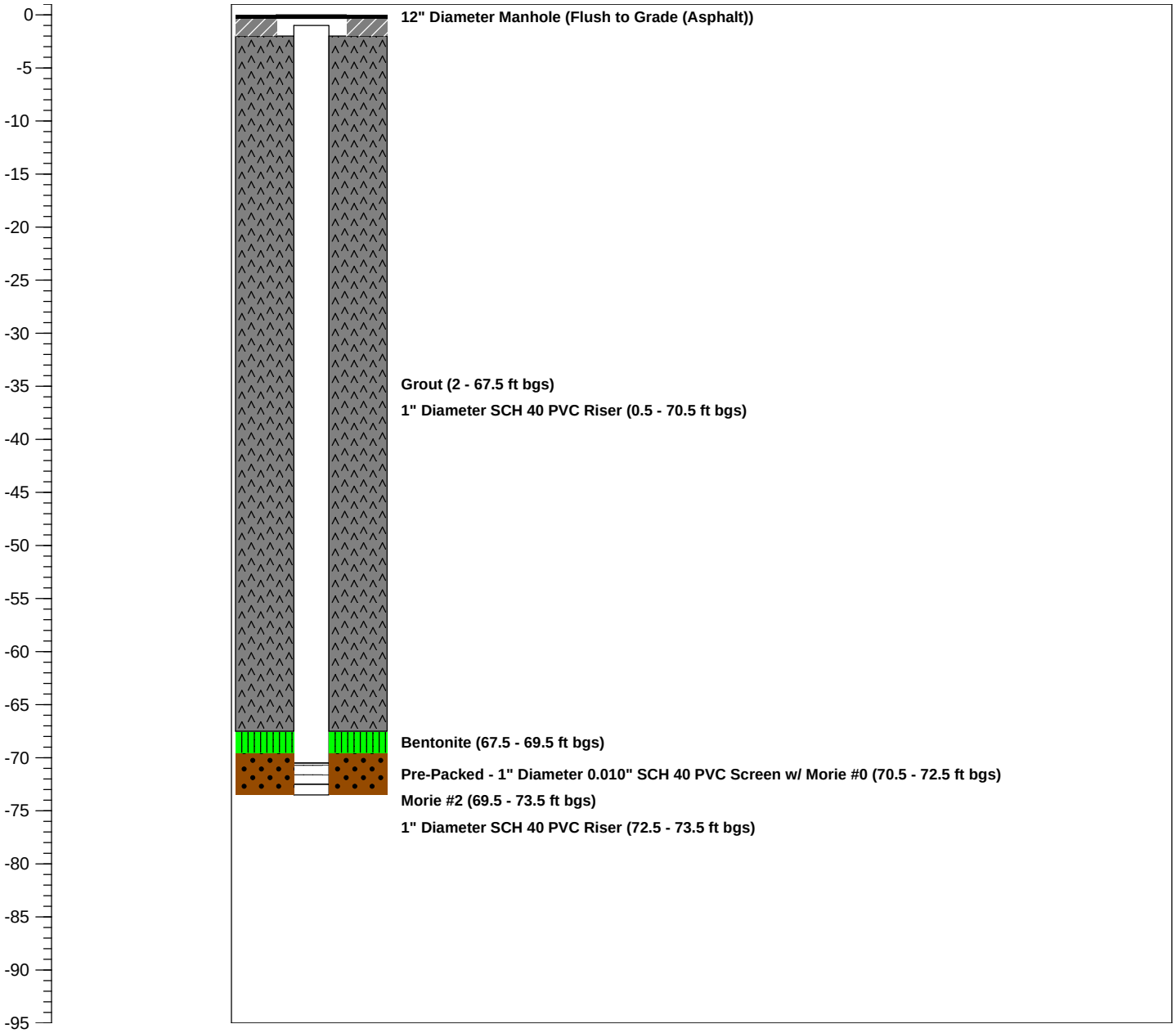
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**73.5'**	WELL NO.:	**OW-2-16S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**6/30/10**	Sampling Method:	-
Driller:	**Matt Briody**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

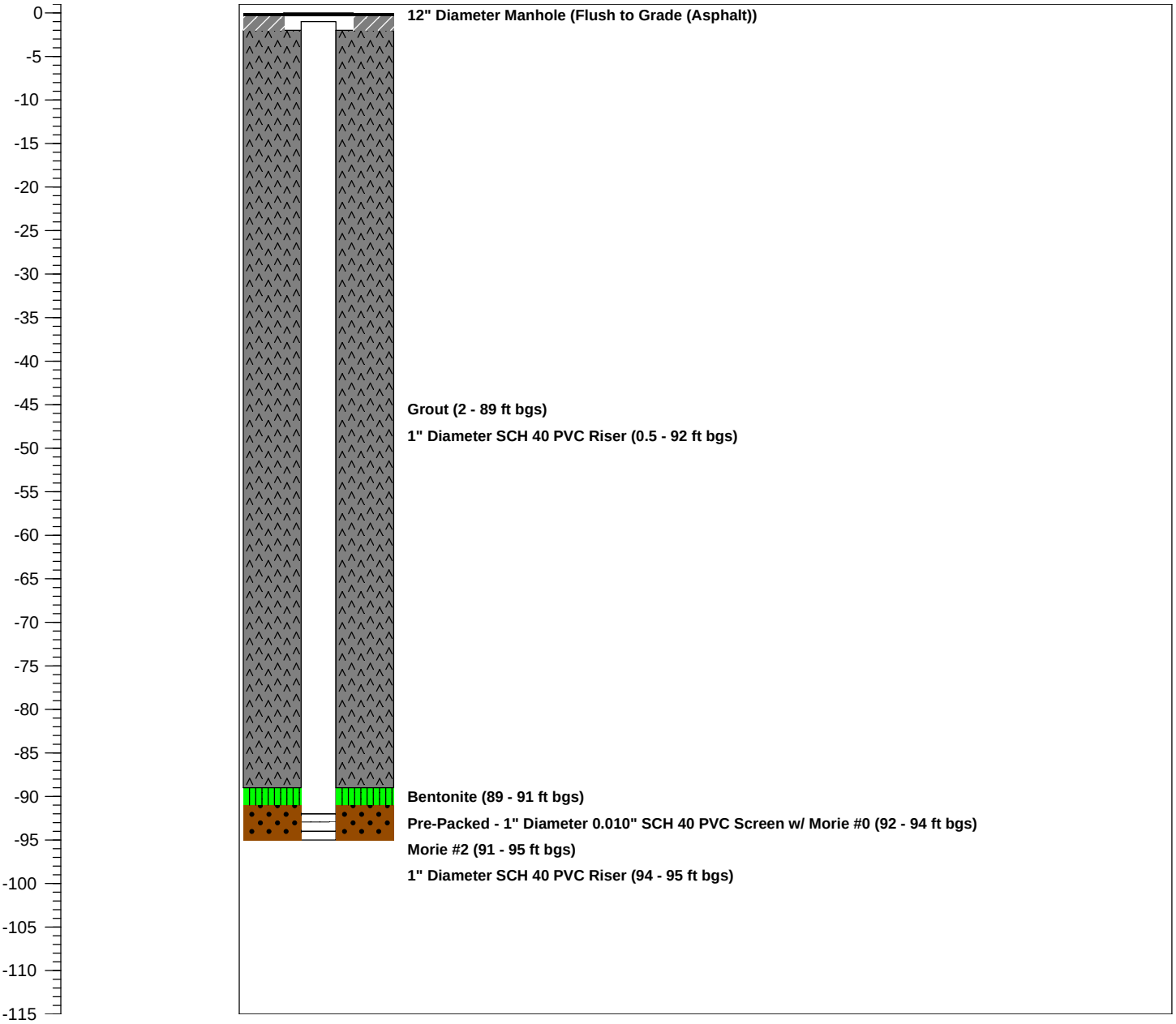
TOTAL DEPTH: **95'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-17**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/30/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

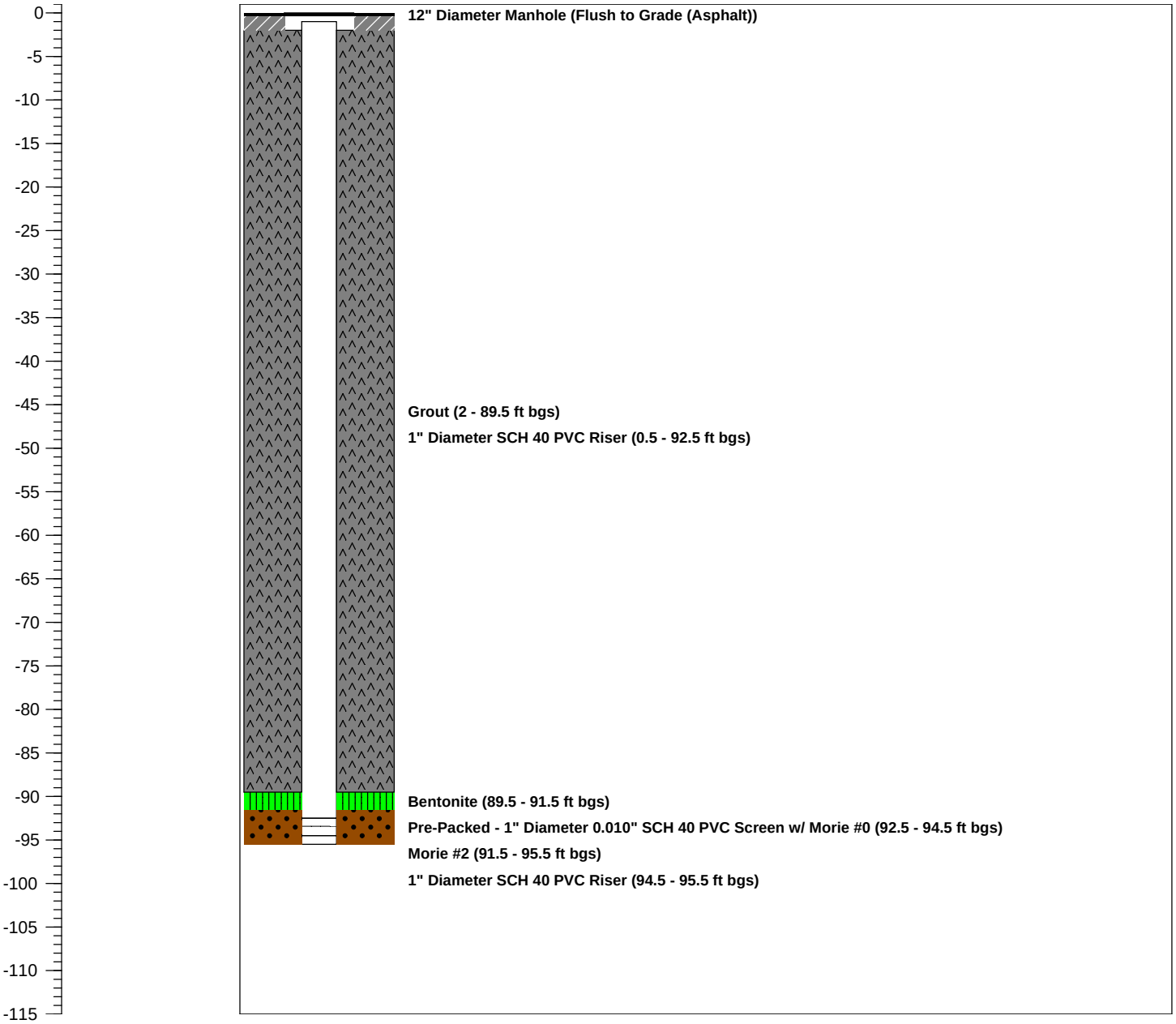
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**95.5'**	WELL NO.:	**OW-2-18D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**6/29/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

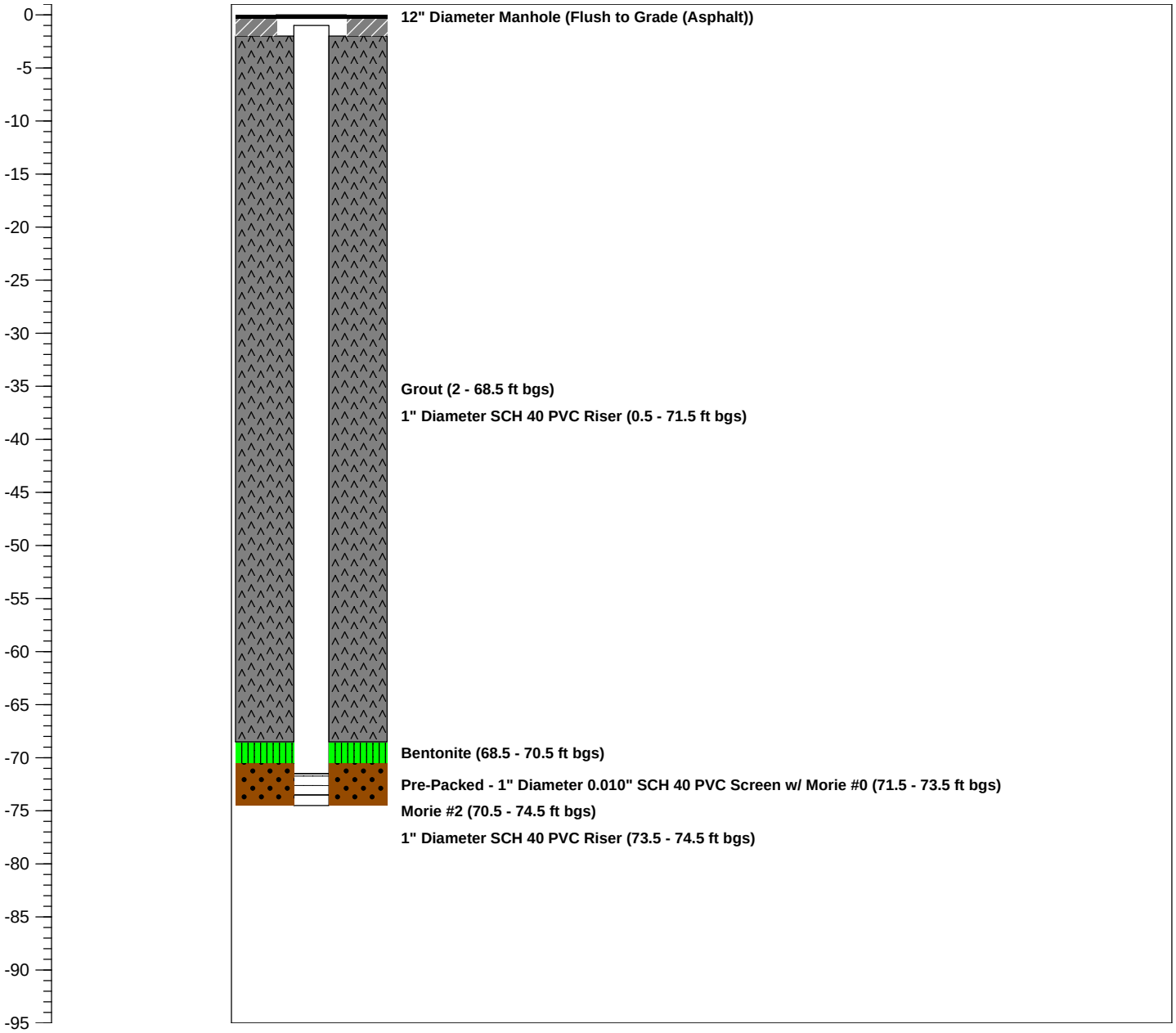
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**74.5'**	WELL NO.:	**OW-2-18S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**6/28/10**	Sampling Method:	-
Driller:	**Matt Briody**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

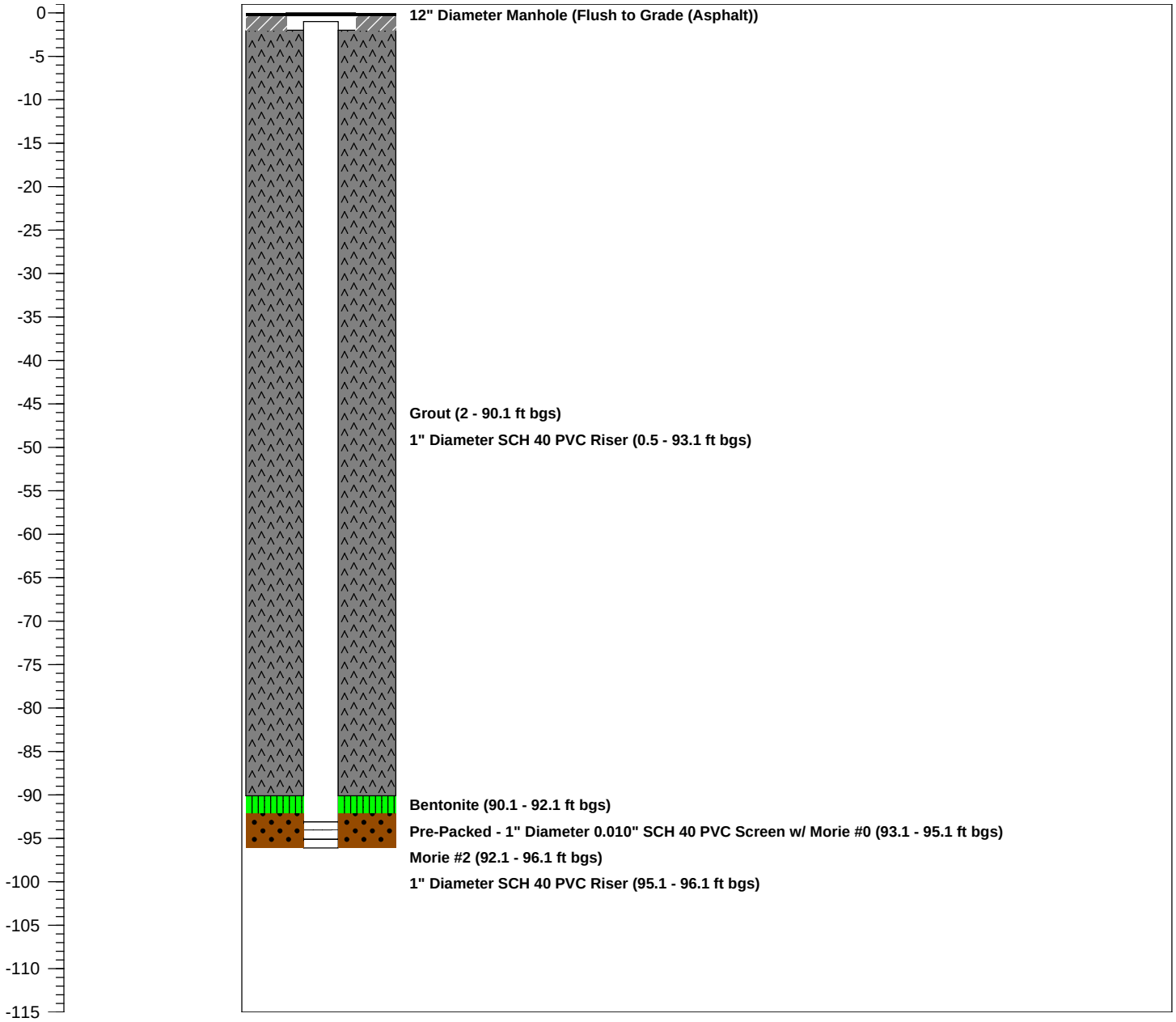
TOTAL DEPTH: **96.1**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-19**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/28/10**
Driller: **Barry Rummel & Matt Briody**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

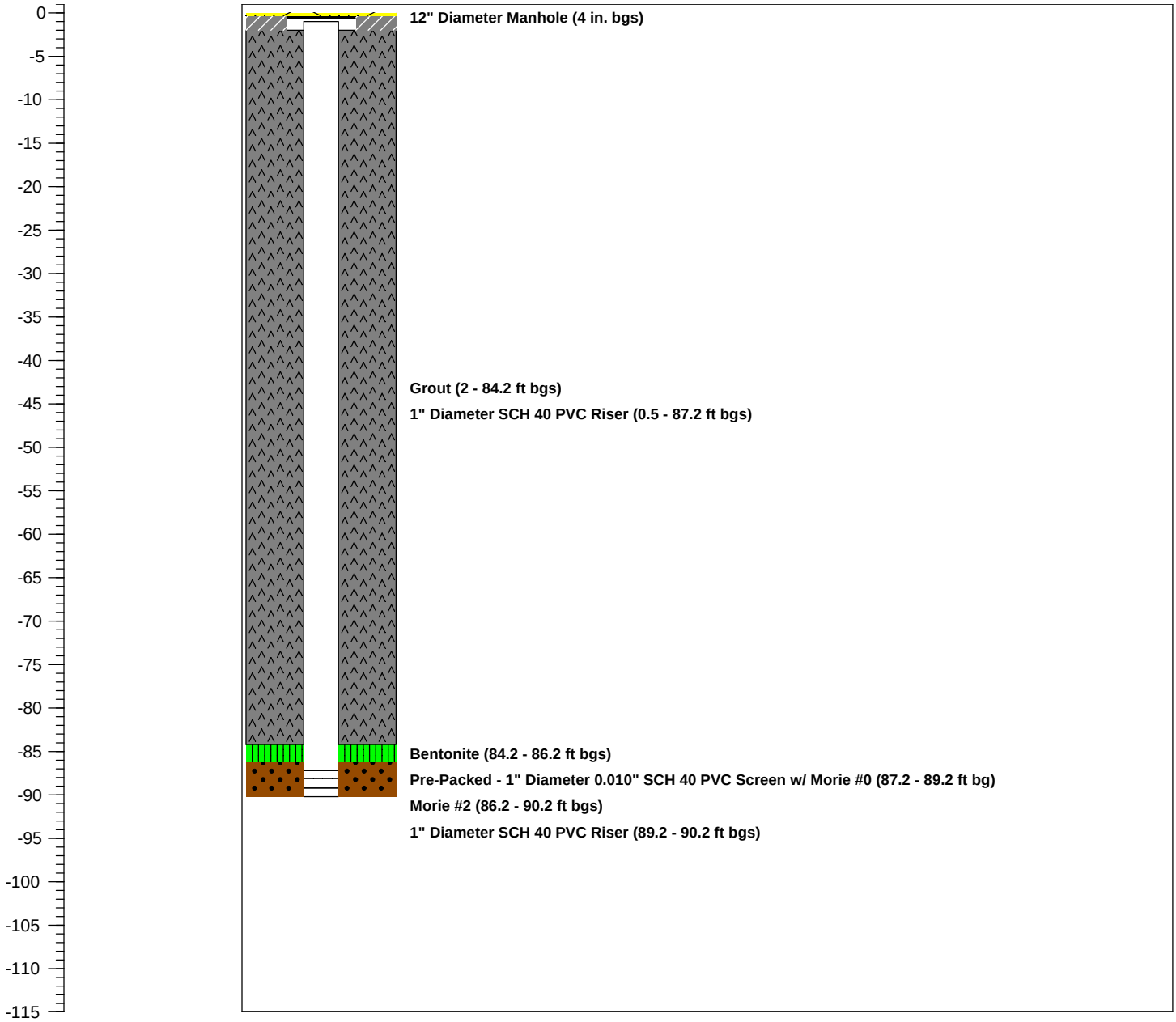
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**90.2'**	WELL NO.:	**OW-2-2**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**7/16/10**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

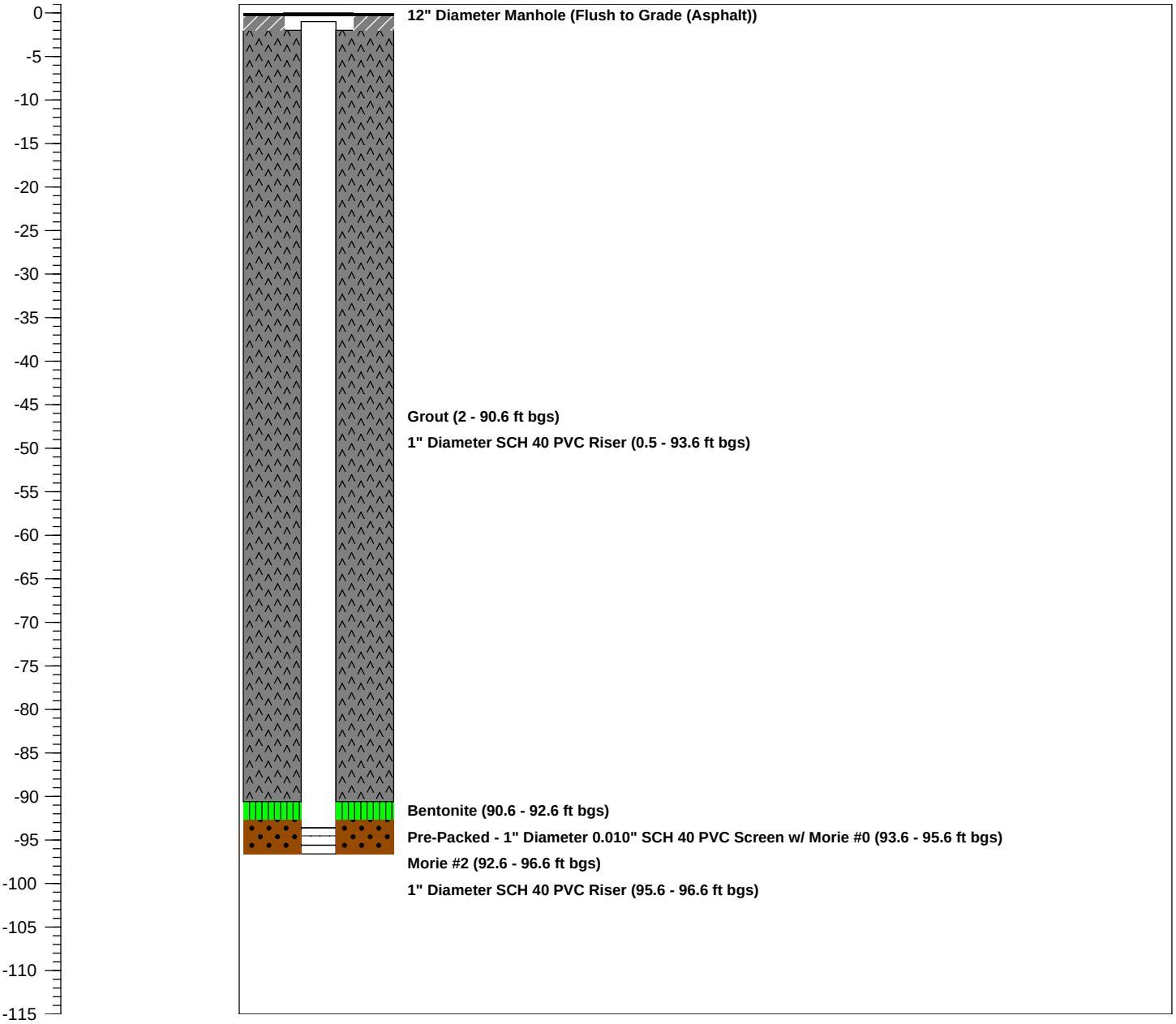
TOTAL DEPTH: **96.6**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-20D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/28/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

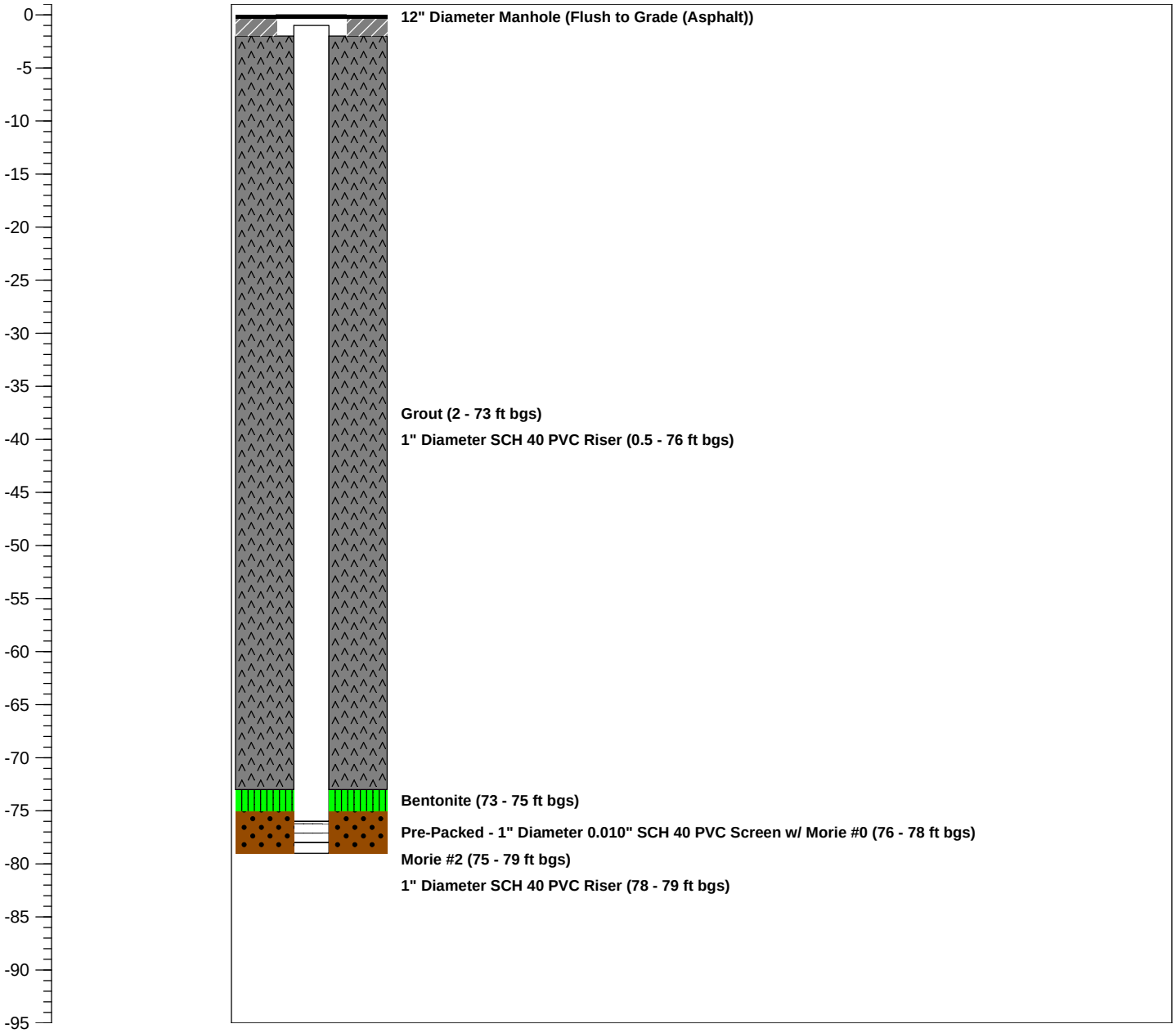
TOTAL DEPTH: **79**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-20S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/28/10**
Driller: **Matt Briody**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

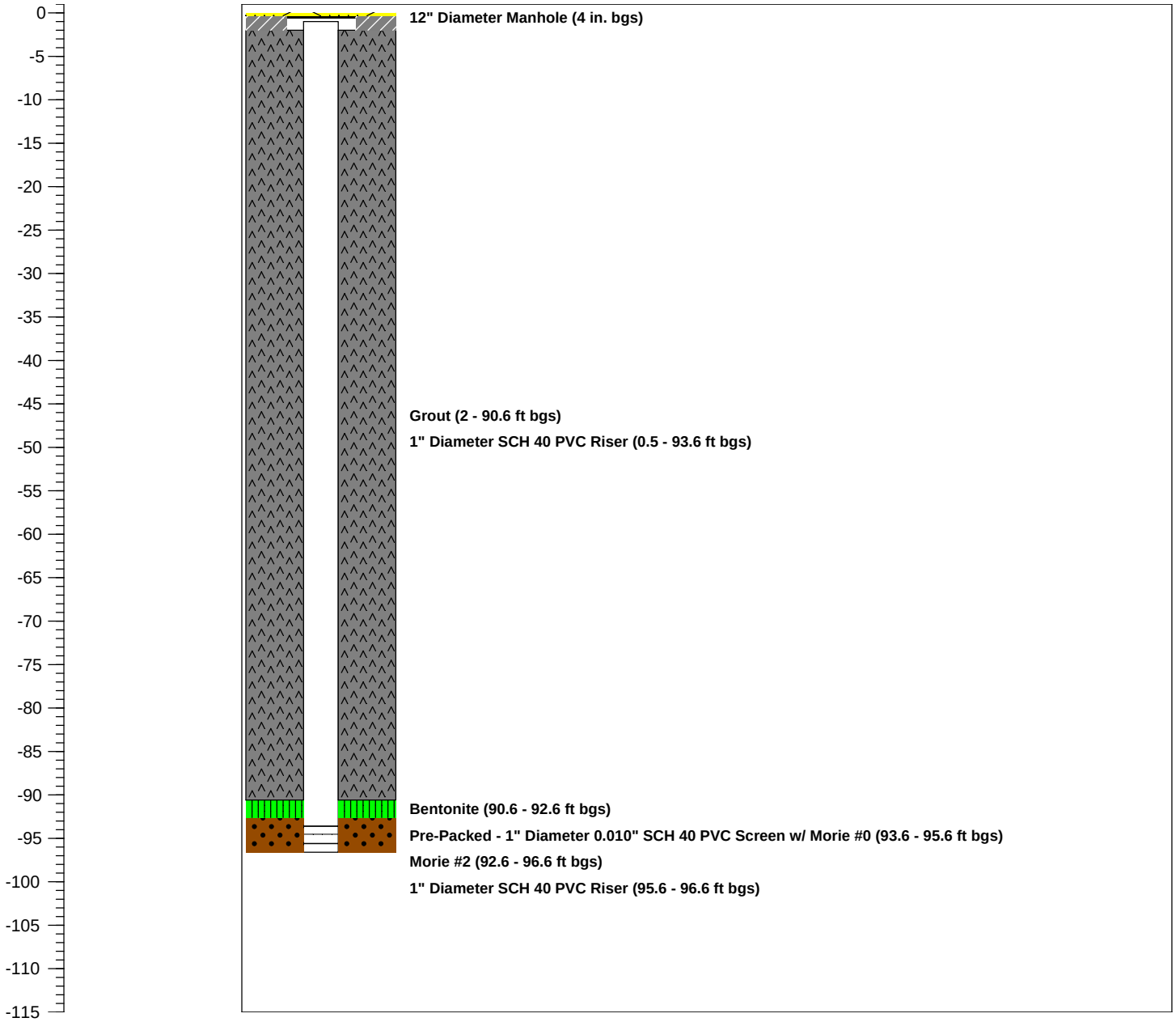
TOTAL DEPTH: **96.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-21**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/29/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

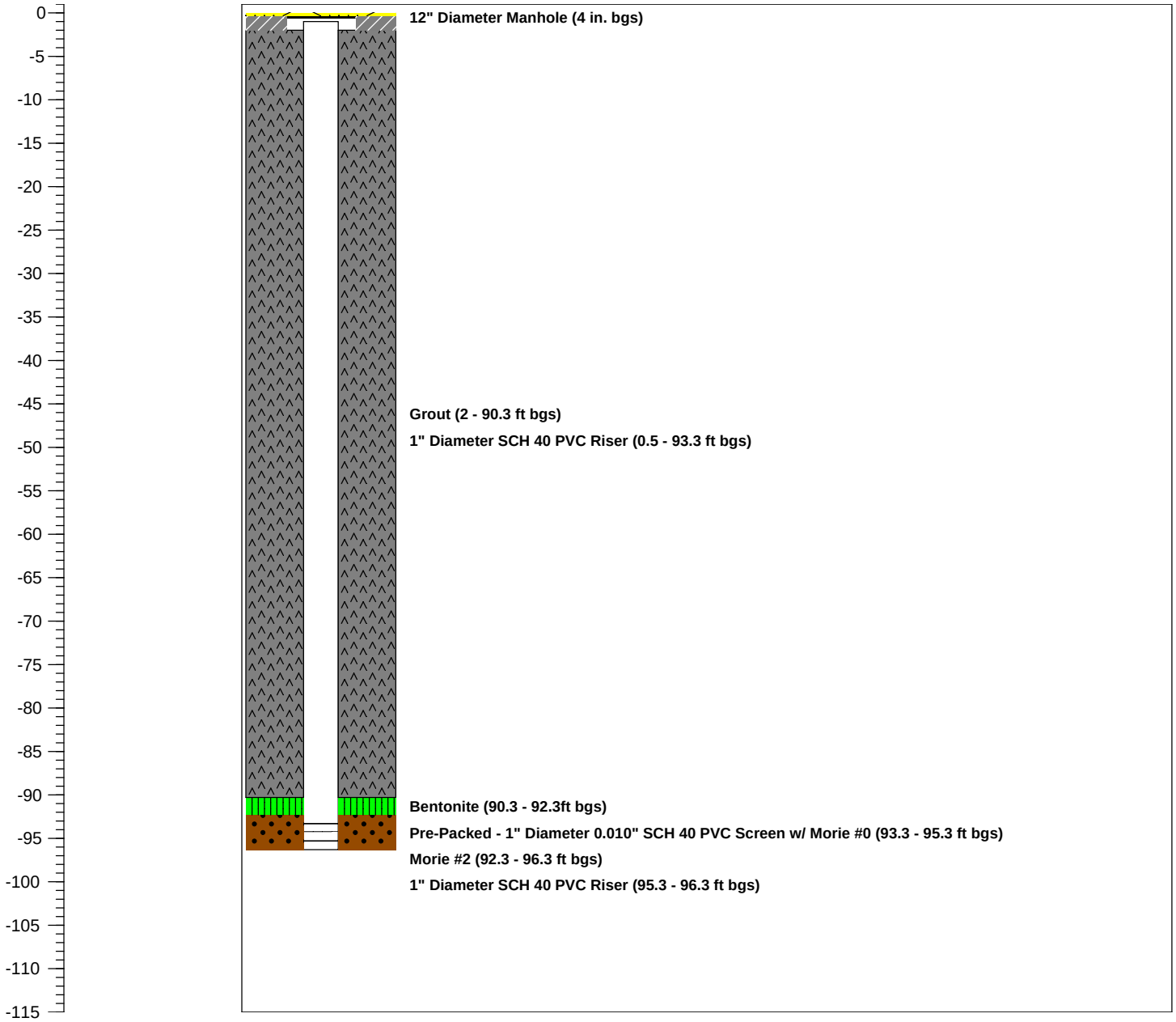
TOTAL DEPTH: **96.3**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-22D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/25/10**
Driller: **Barry Rummel & Matt Briody**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

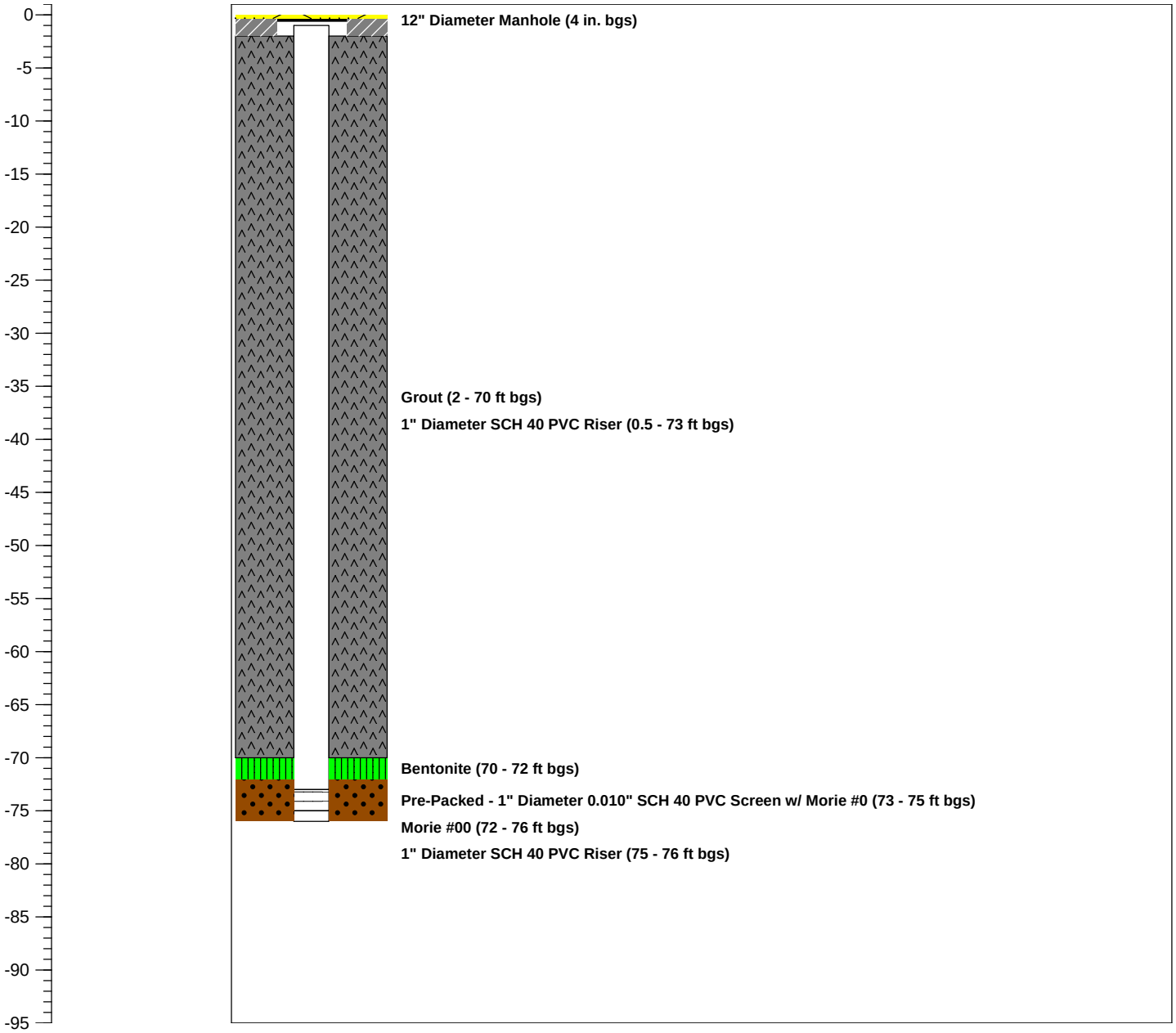
TOTAL DEPTH: **76'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-22S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **6/22/10**
Driller: **Matt Briody**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

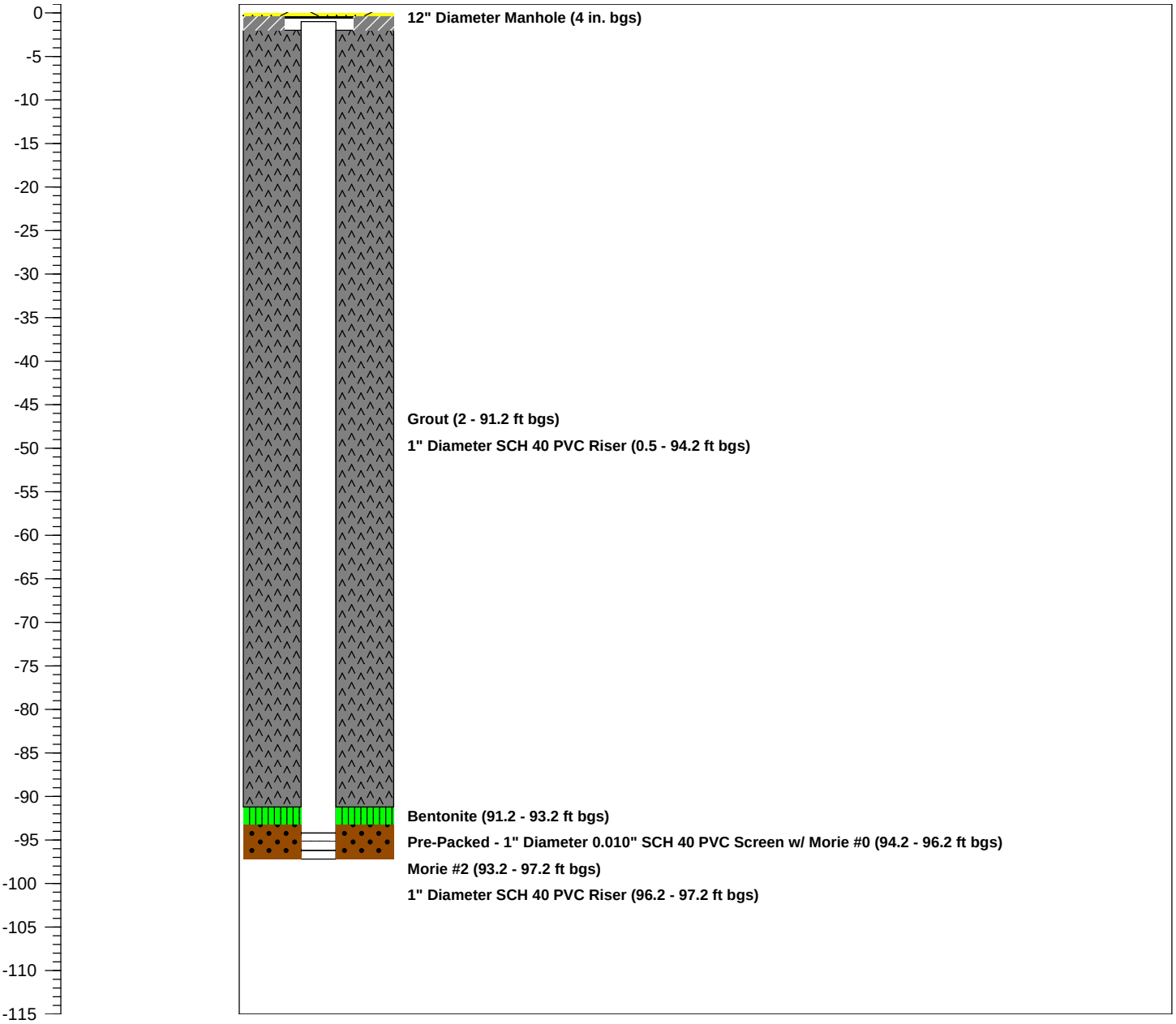
TOTAL DEPTH: **97.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-23**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/25/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

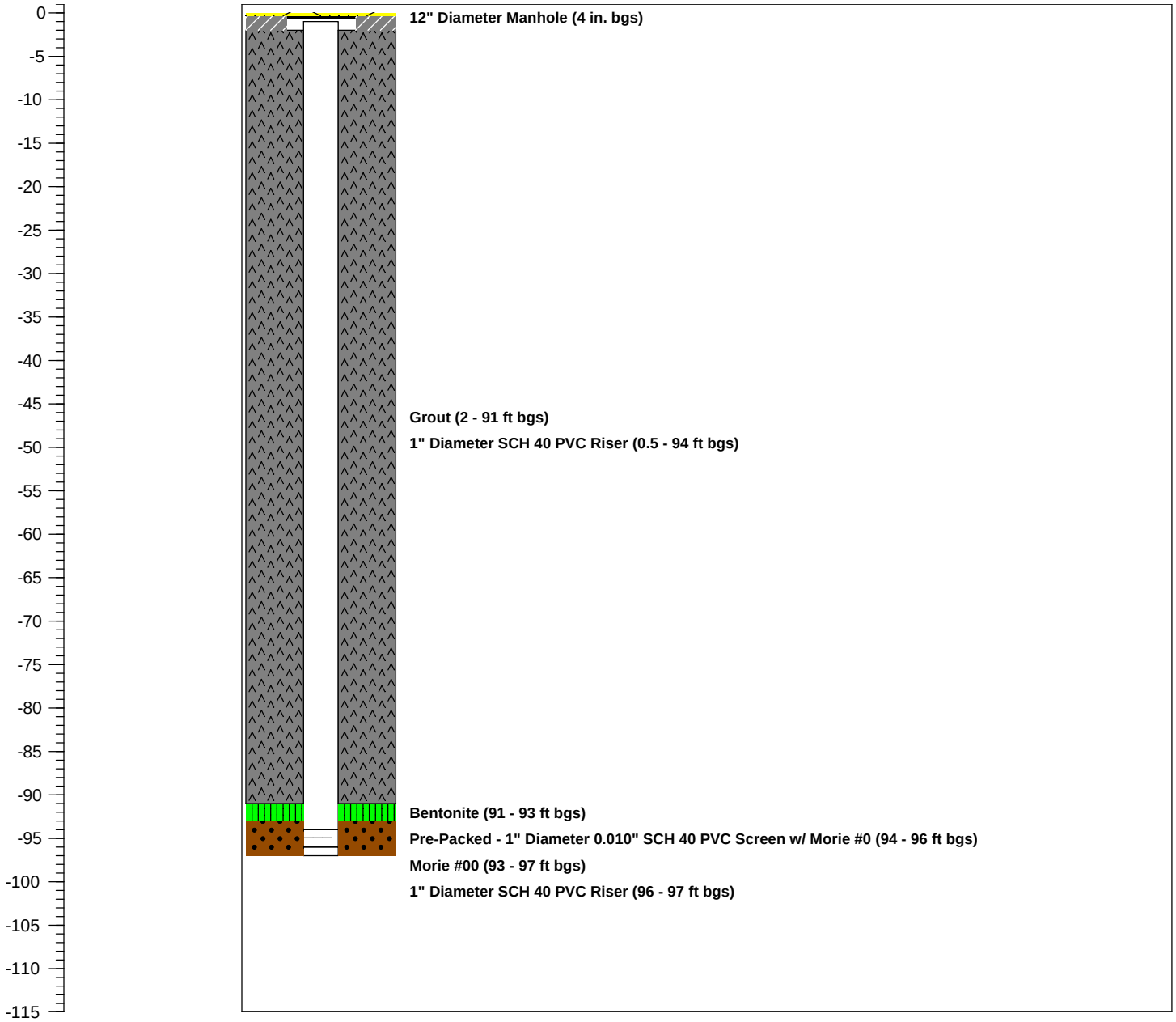
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**97'**	WELL NO.:	**OW-2-24D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**6/24/10**	Sampling Method:	-
Driller:	**Barry Rummel & Matt Briody**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

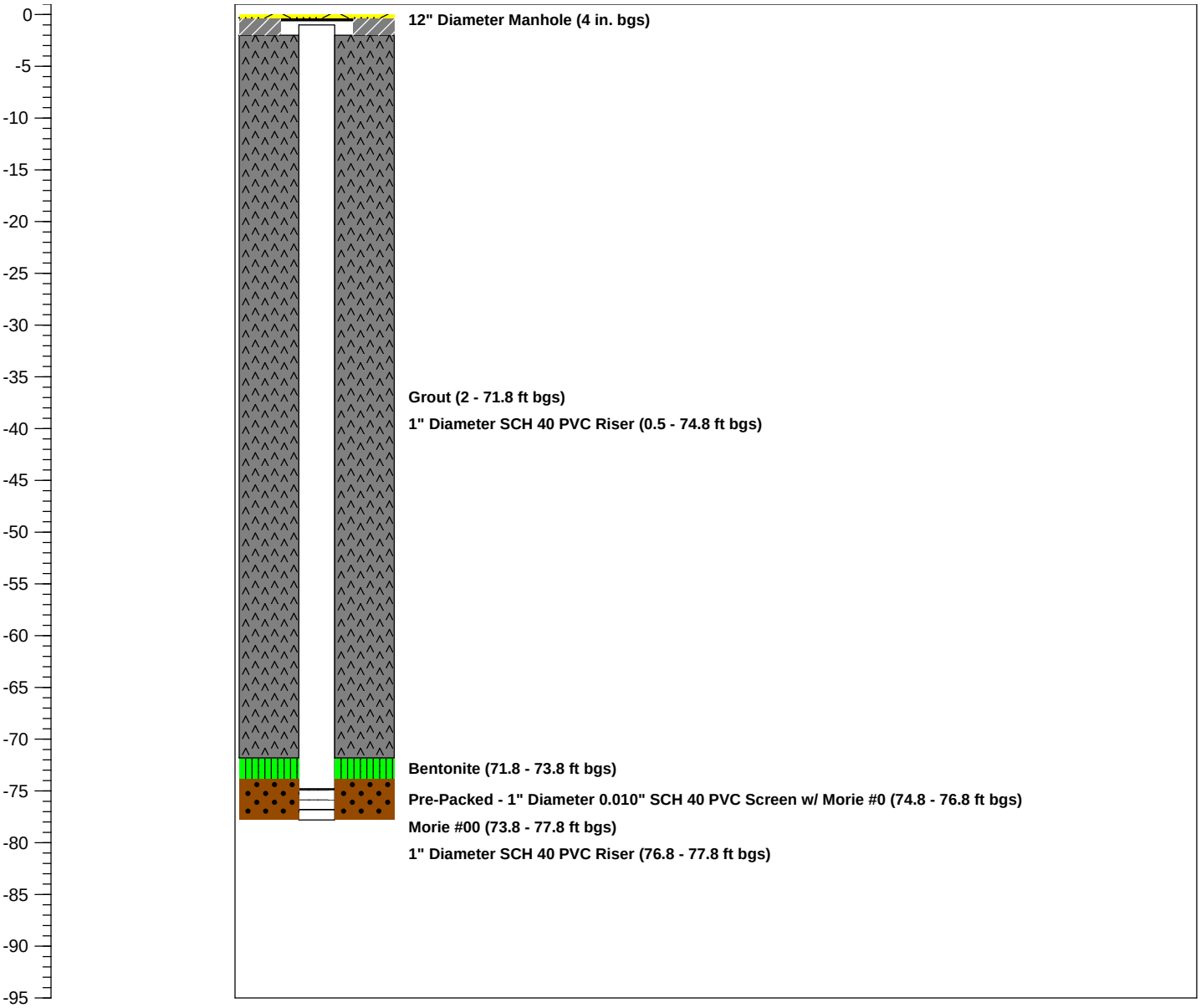
TOTAL DEPTH: **77.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-24S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/21/10**
Driller: **Matt Briody**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

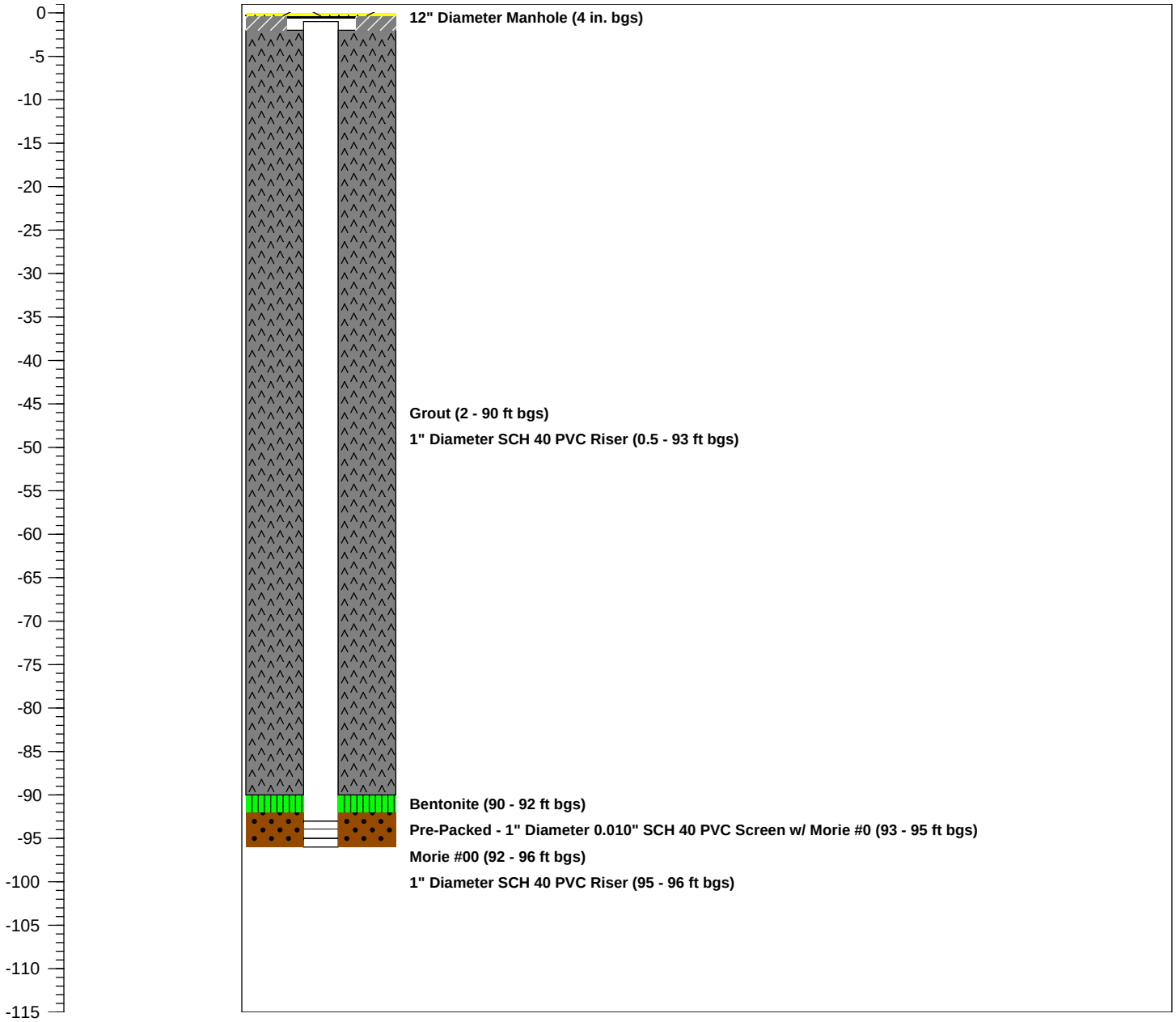
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**96'**	WELL NO.:	**OW-2-25**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**6/24/10**	Sampling Method:	-
Driller:	**Barry Rummel & Matt Briody**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

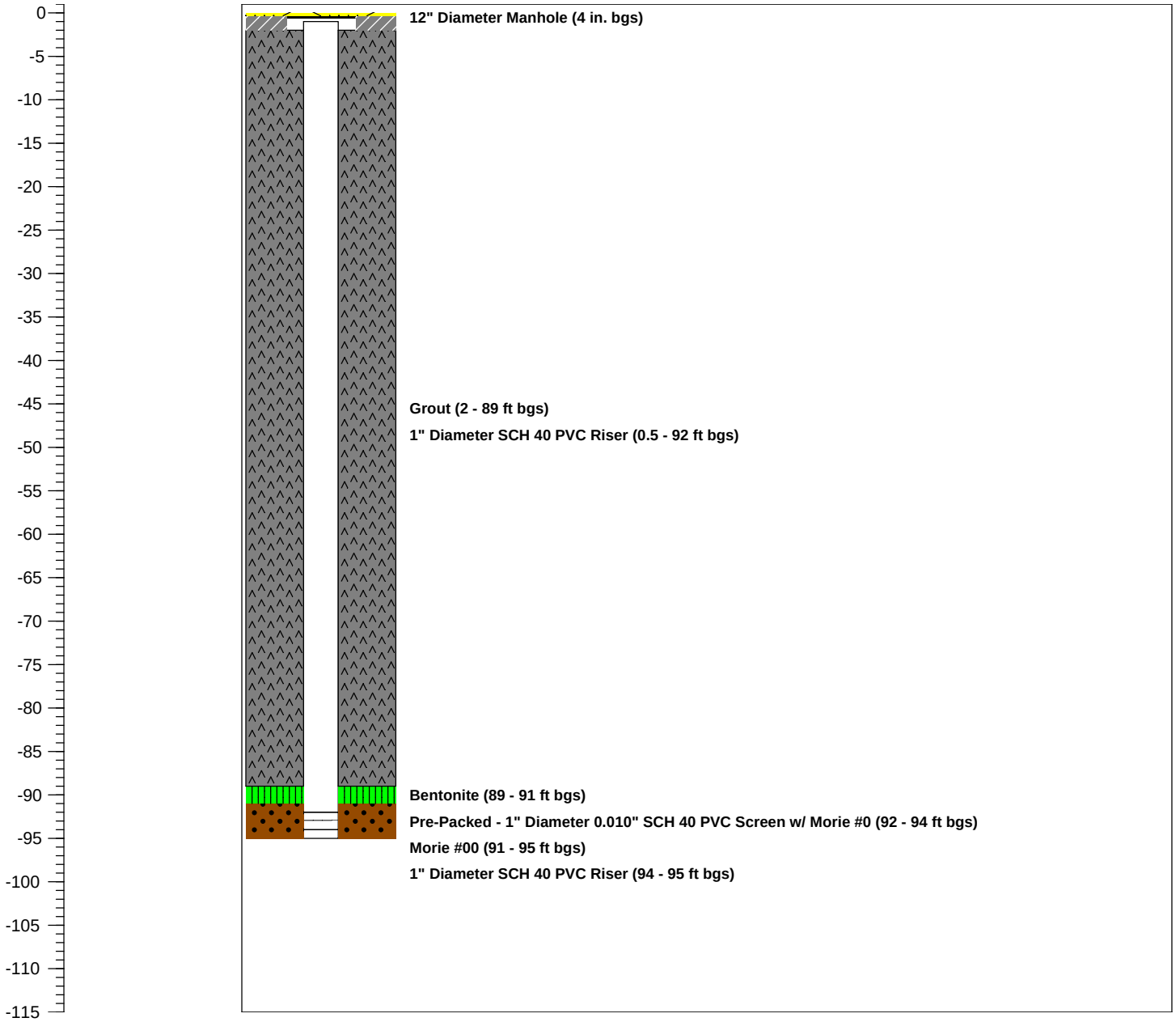
TOTAL DEPTH: **95'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-26D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/24/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

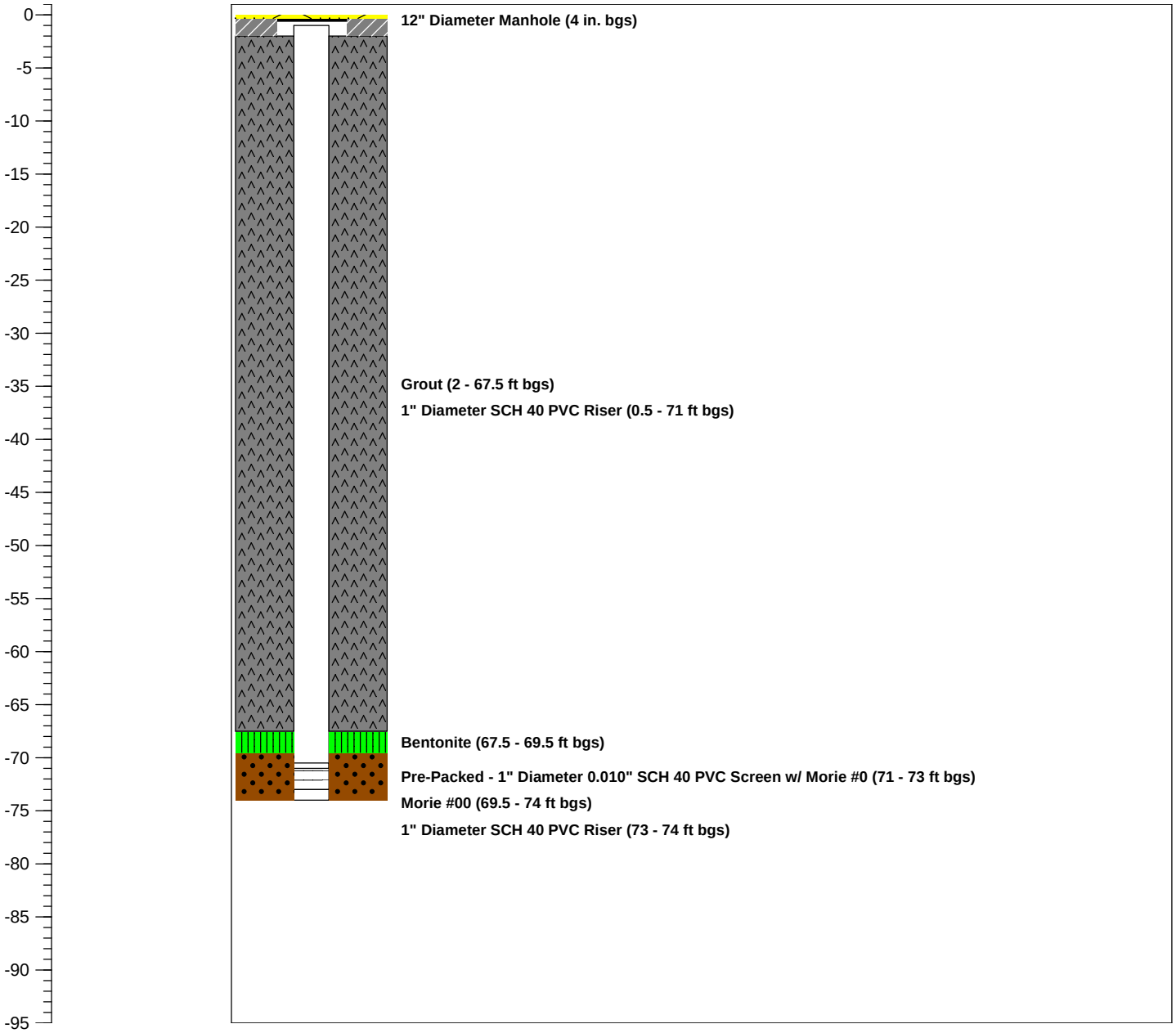
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**74'**	WELL NO.:	**OW-2-26S**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**6/21/10**	Sampling Method:	-
Driller:	**Matt Briody**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

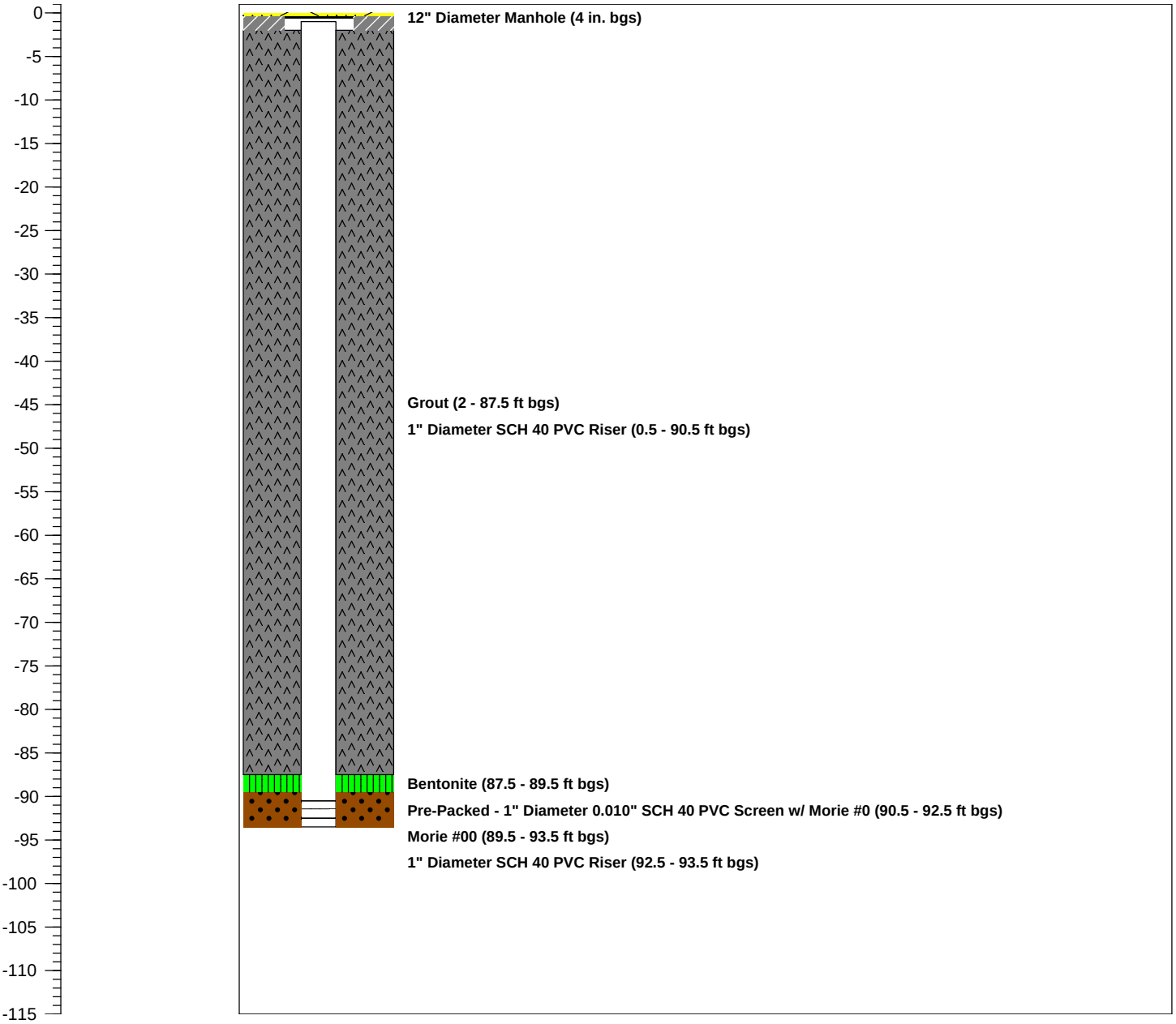
TOTAL DEPTH: **93.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-27**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/23/10**
Driller: **Barry Rummel & Matt Briody**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

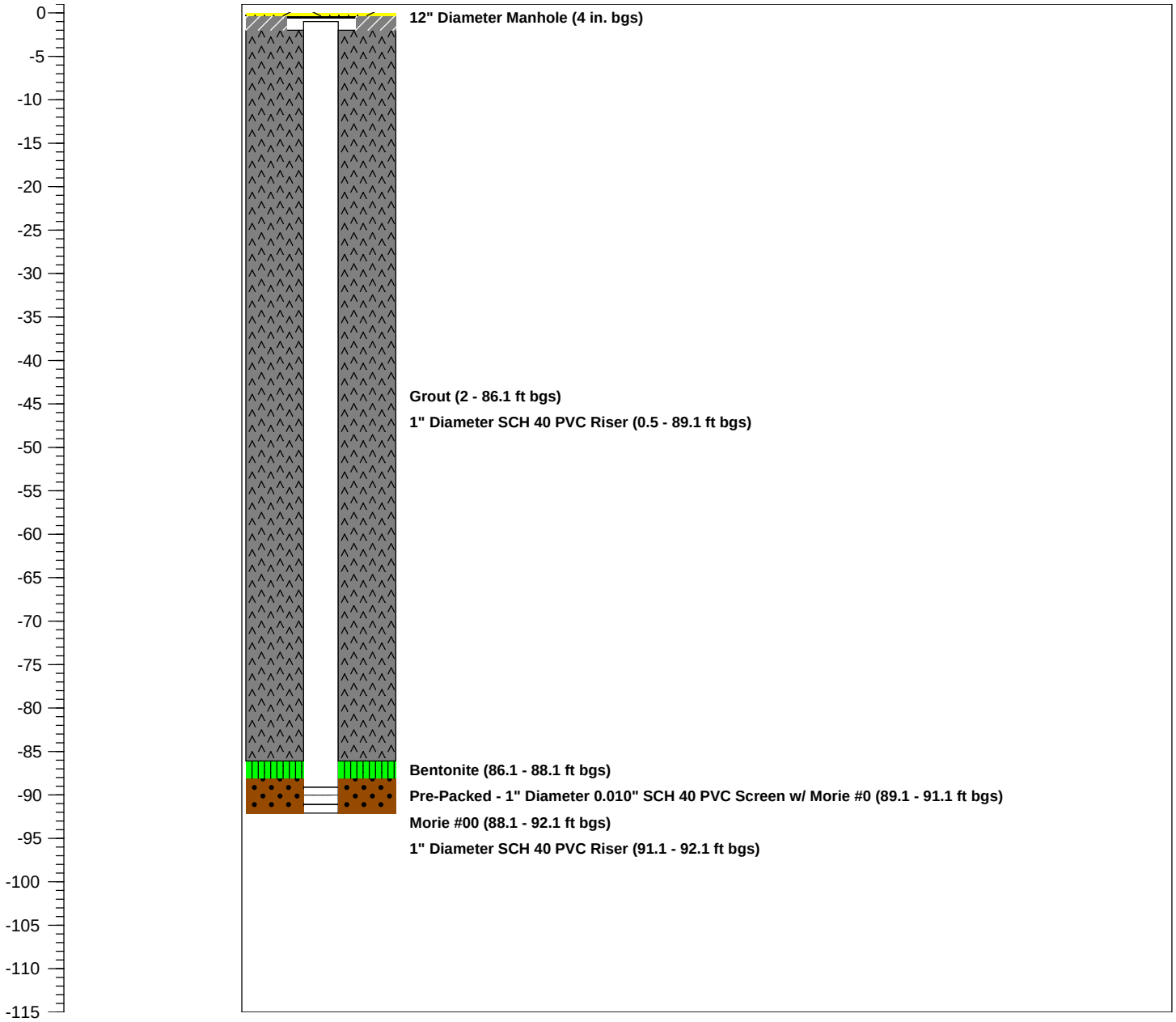
TOTAL DEPTH: **92.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-28D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/23/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

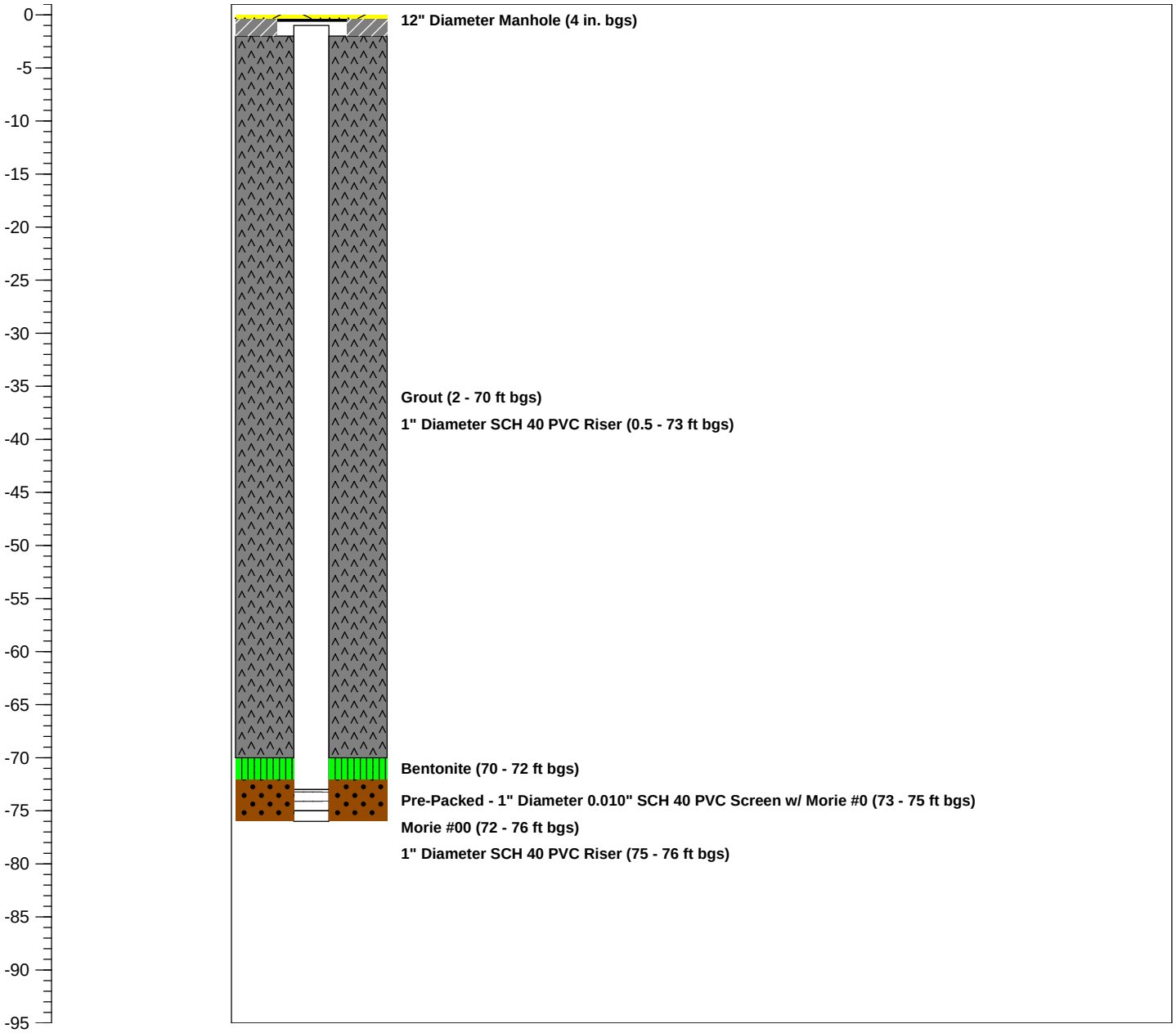
TOTAL DEPTH: **76'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-28S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/17/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

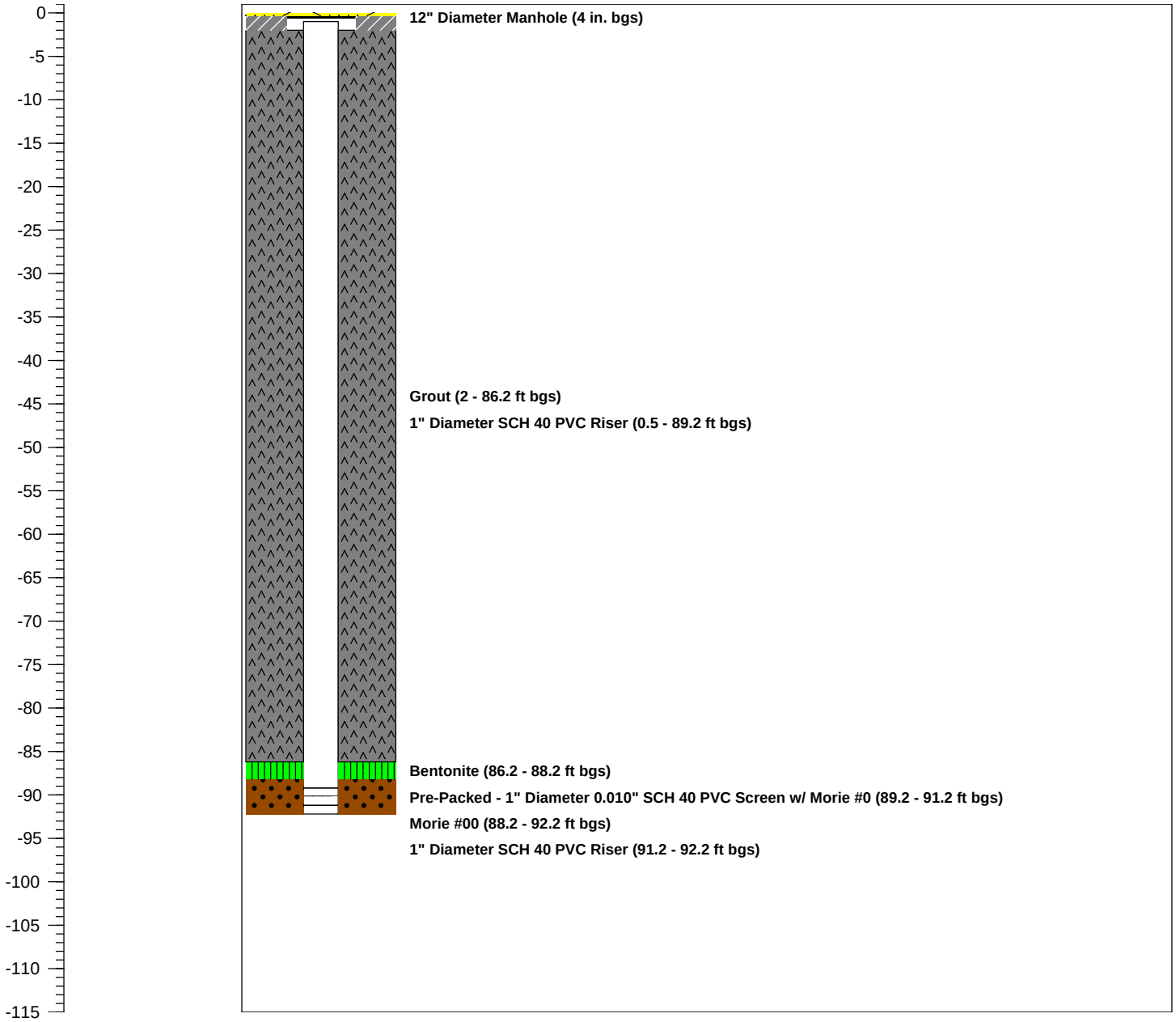
TOTAL DEPTH: **92.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-29**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/23/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

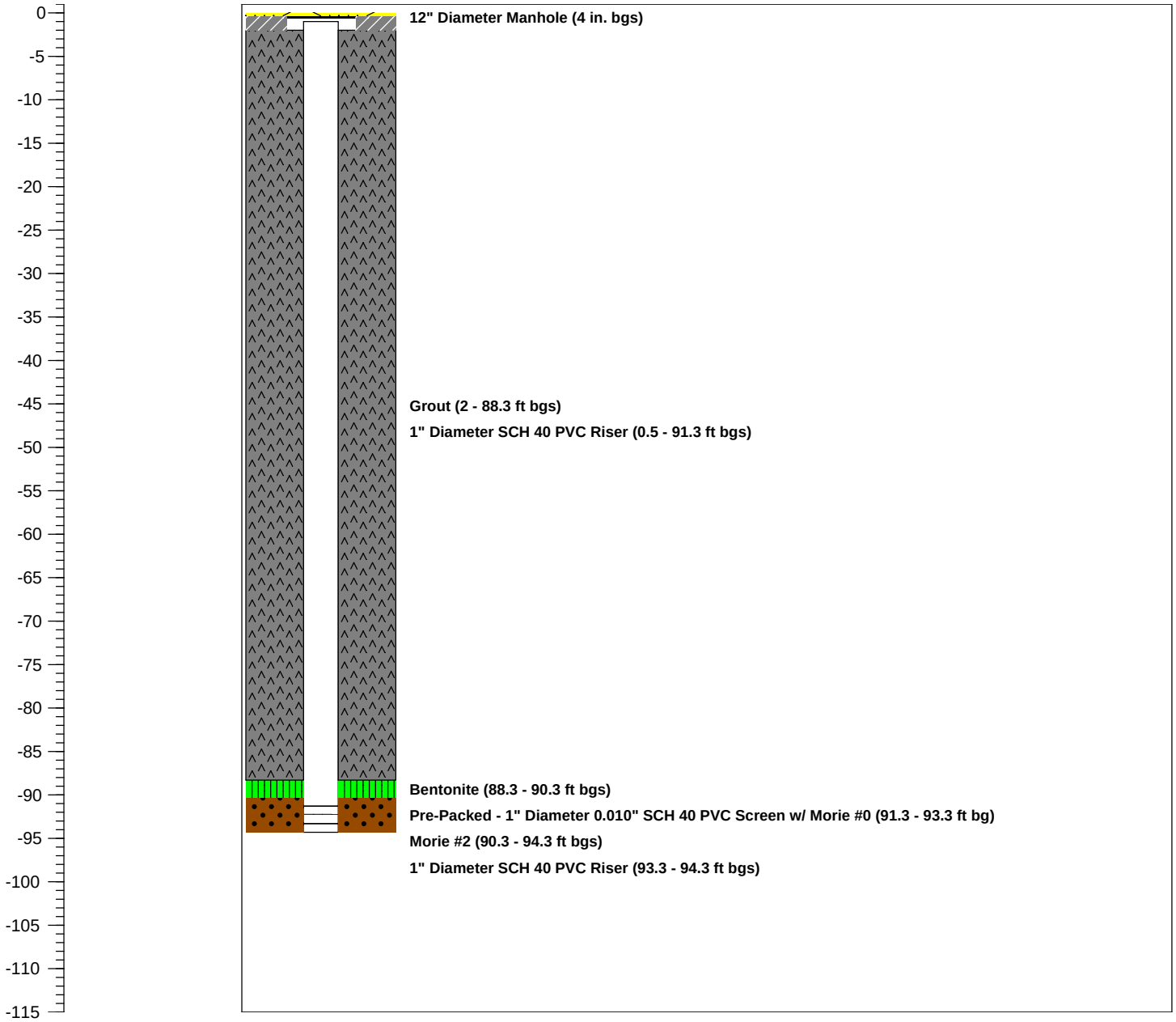
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**94.3'**	WELL NO.:	**OW-2-3**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**7/15/10**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

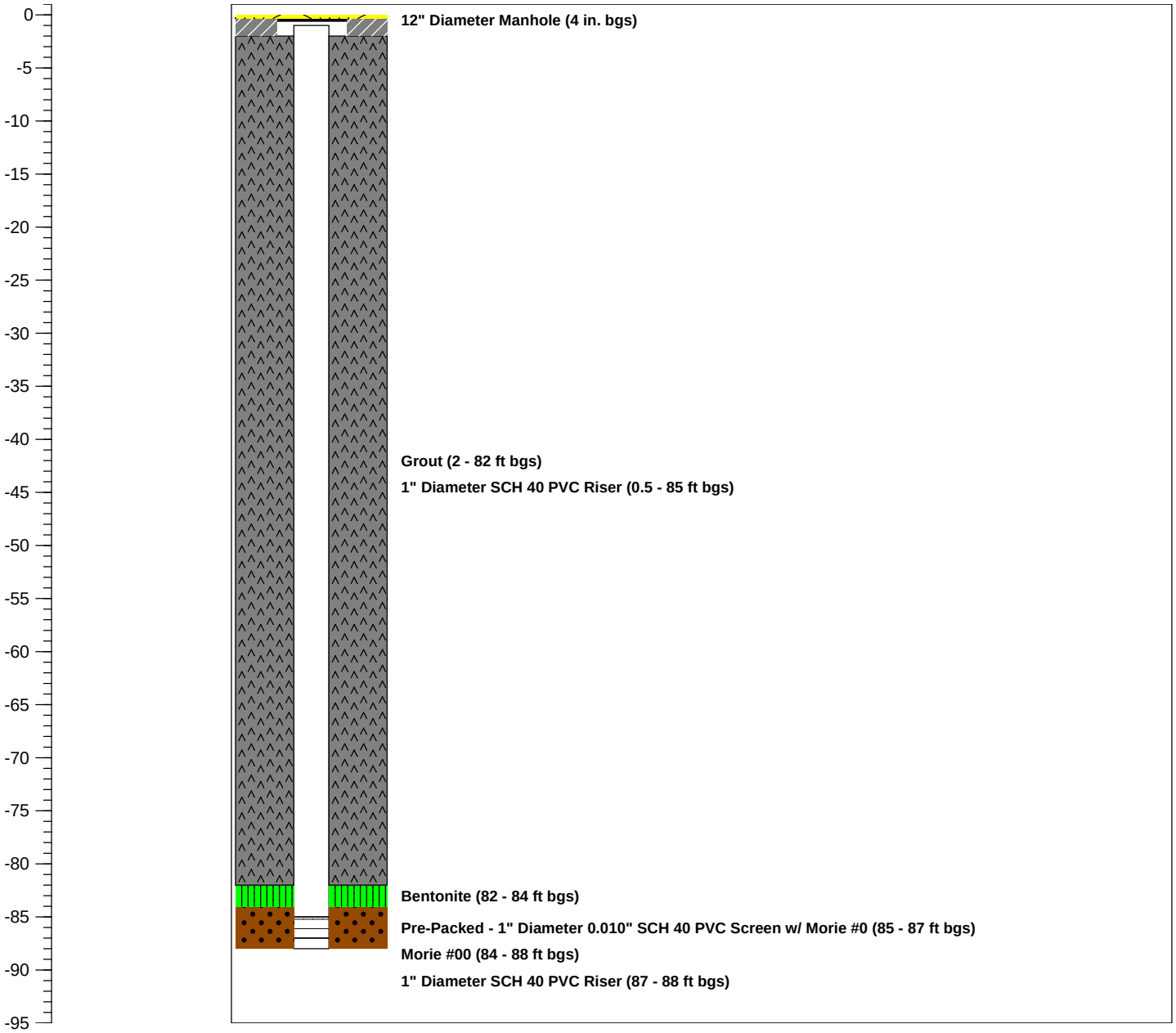
TOTAL DEPTH: **88'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-30D**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **6/23/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

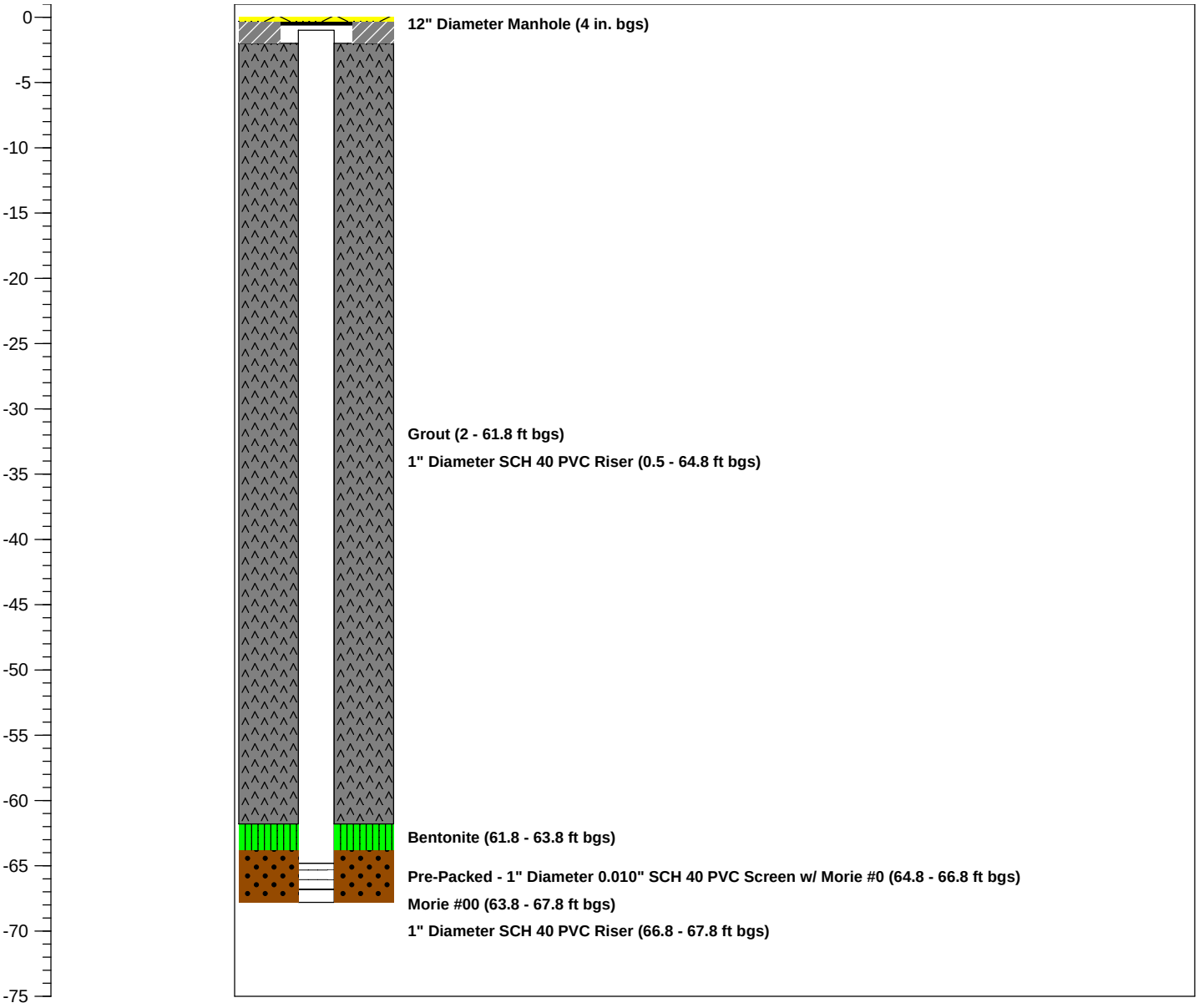
TOTAL DEPTH: **67.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-30S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/10/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

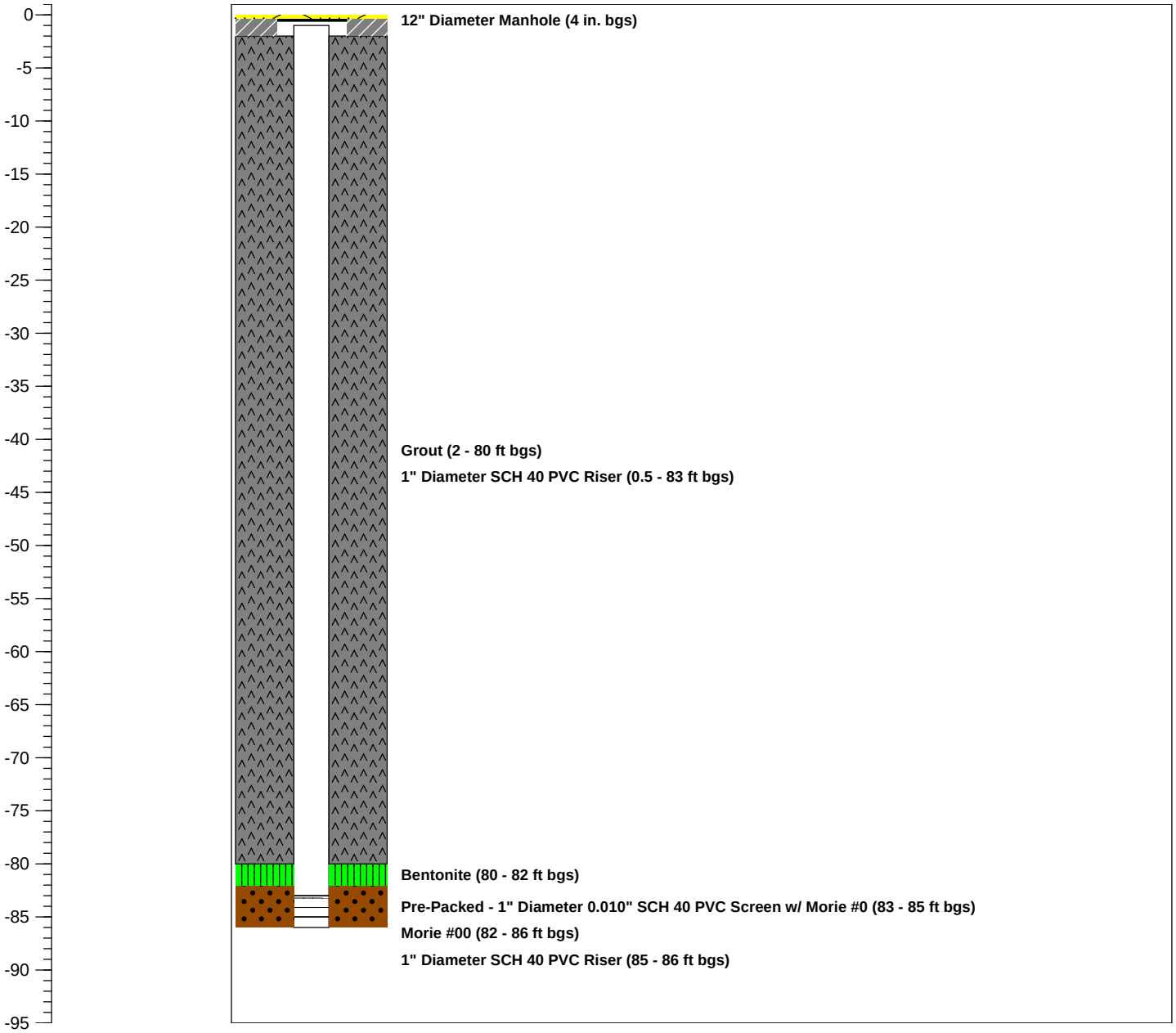
TOTAL DEPTH: **86'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-31**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/23/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

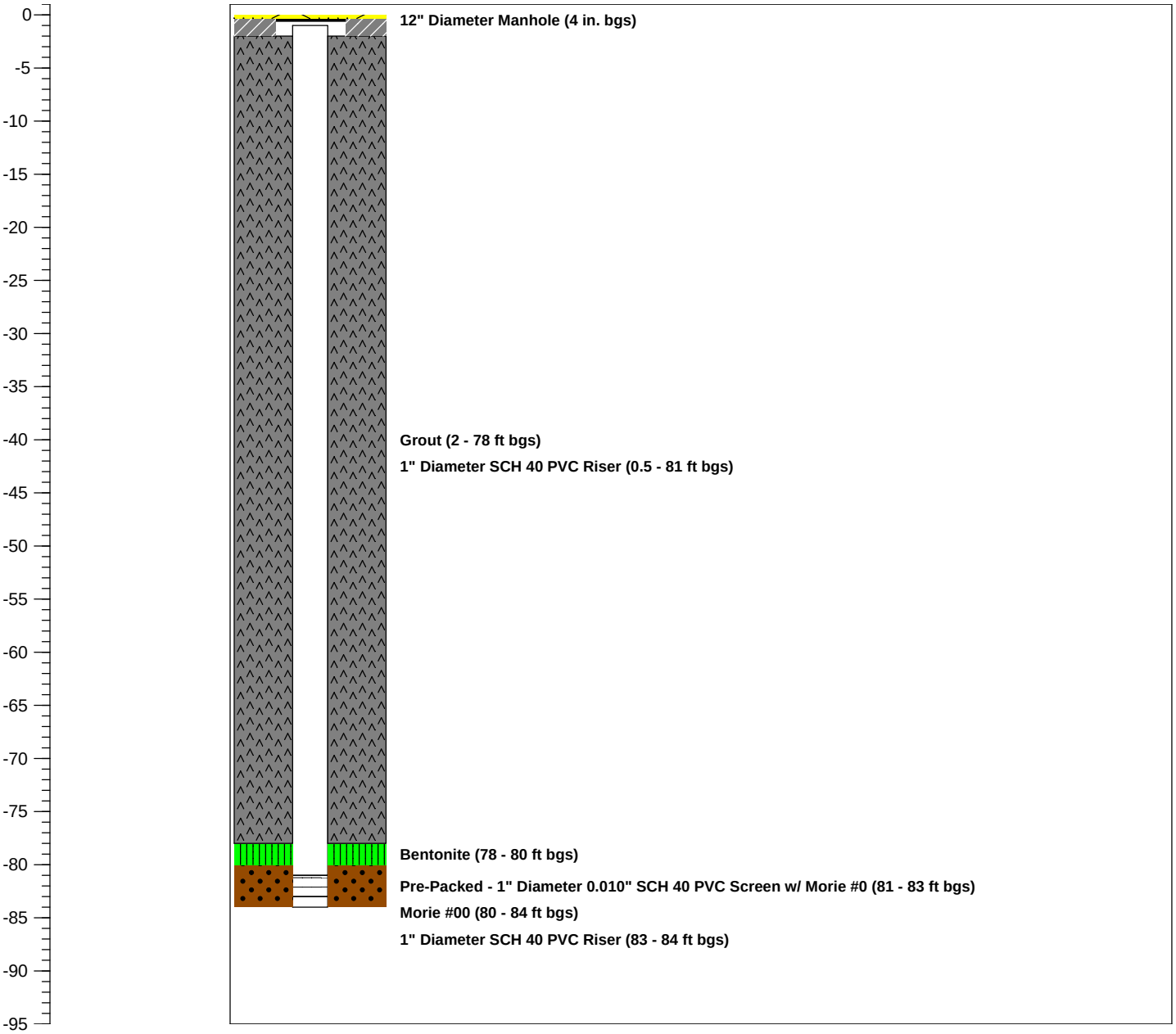
TOTAL DEPTH: **84'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-32**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **6/22/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

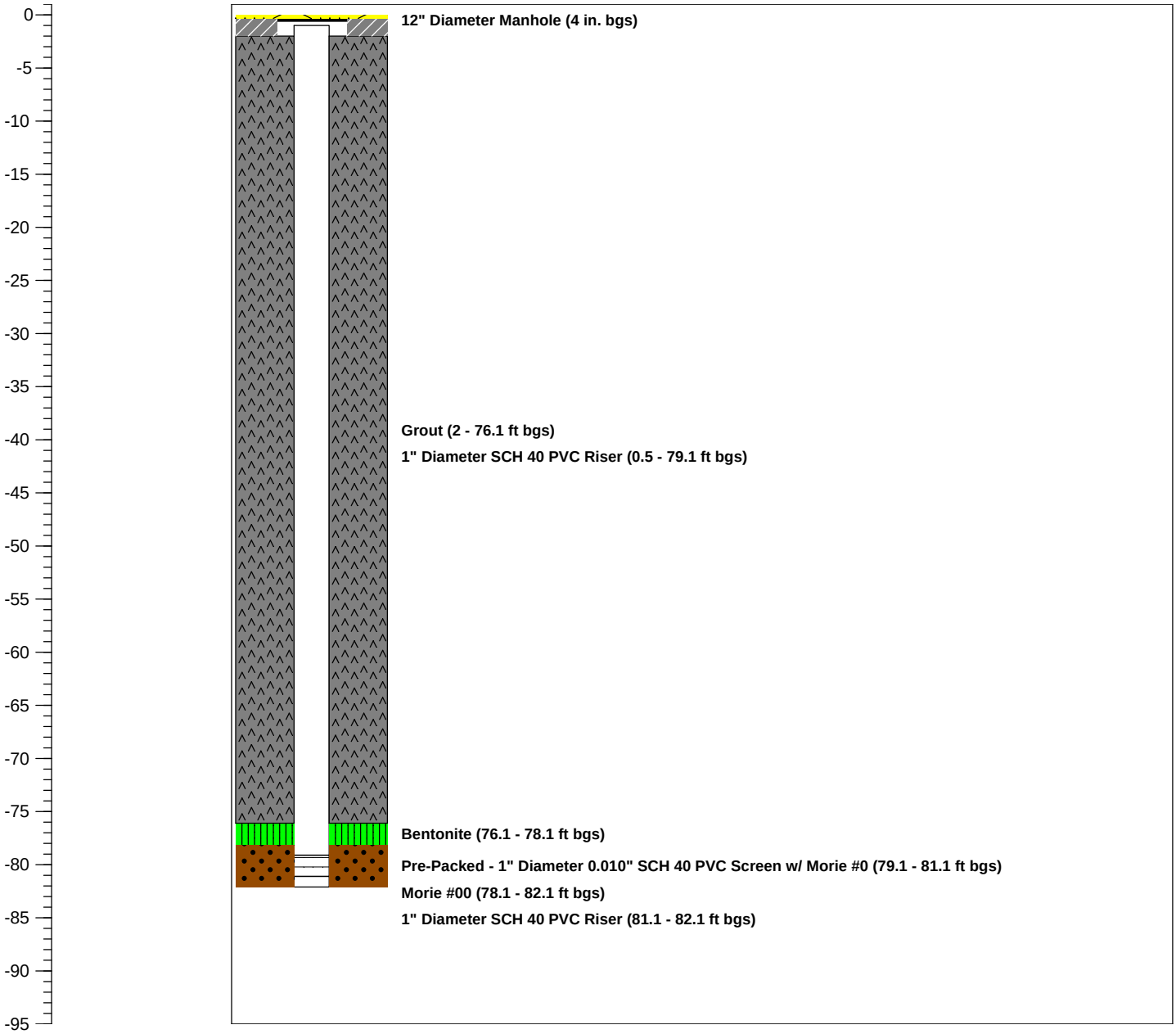
TOTAL DEPTH: **82.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-33**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/22/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

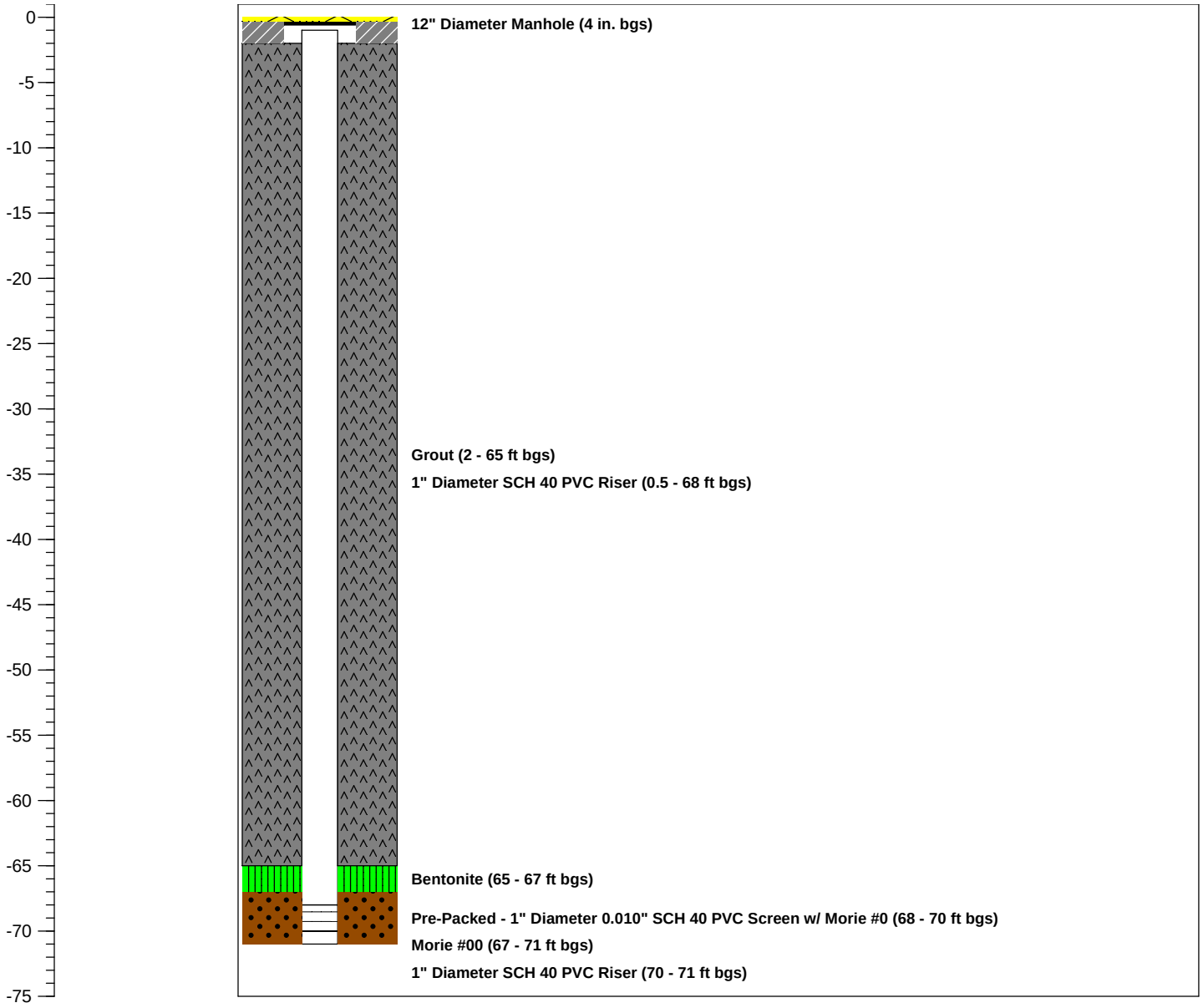
TOTAL DEPTH: **71'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-34**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/9/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

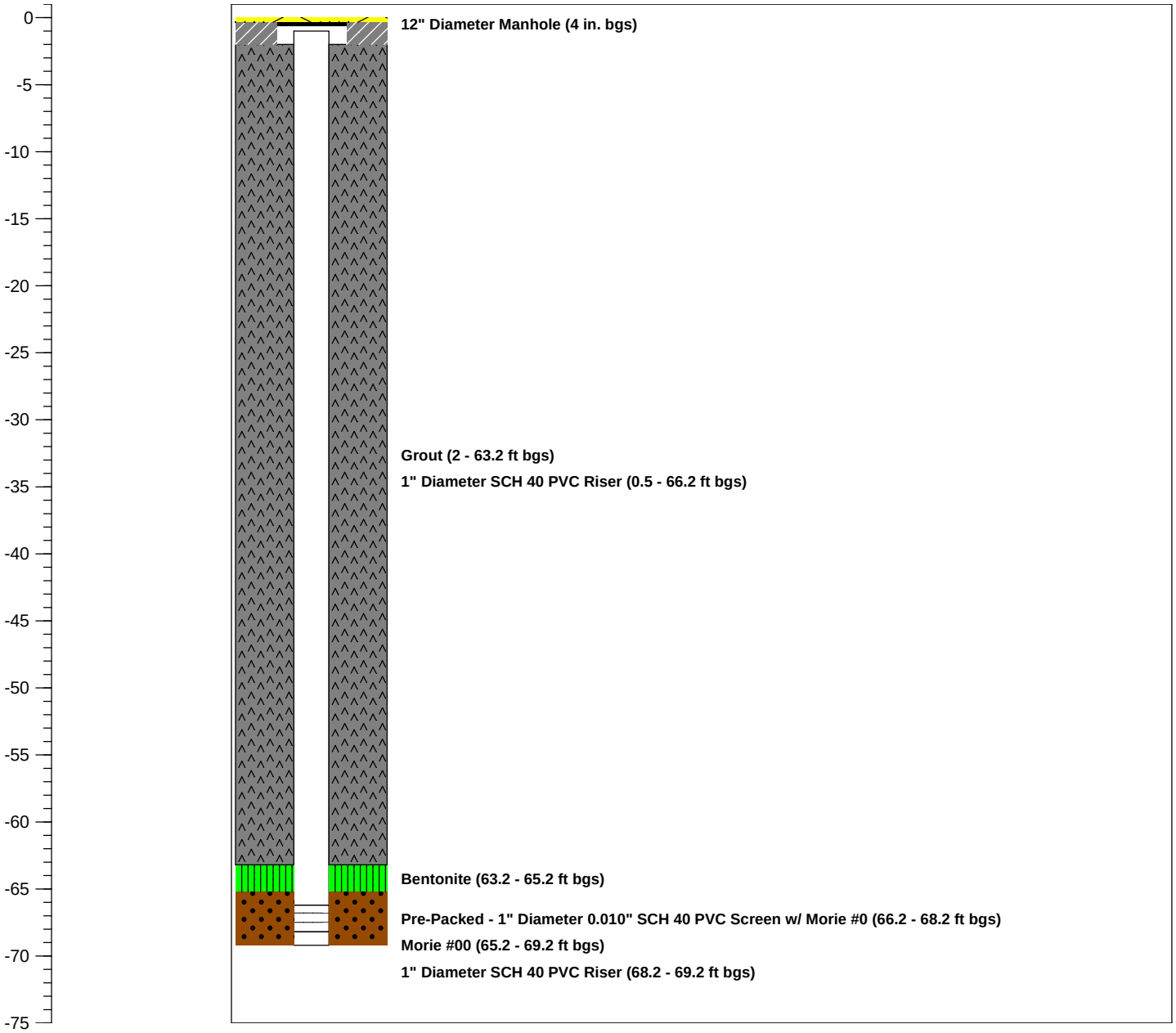
TOTAL DEPTH: **69.2'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-35**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/8/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

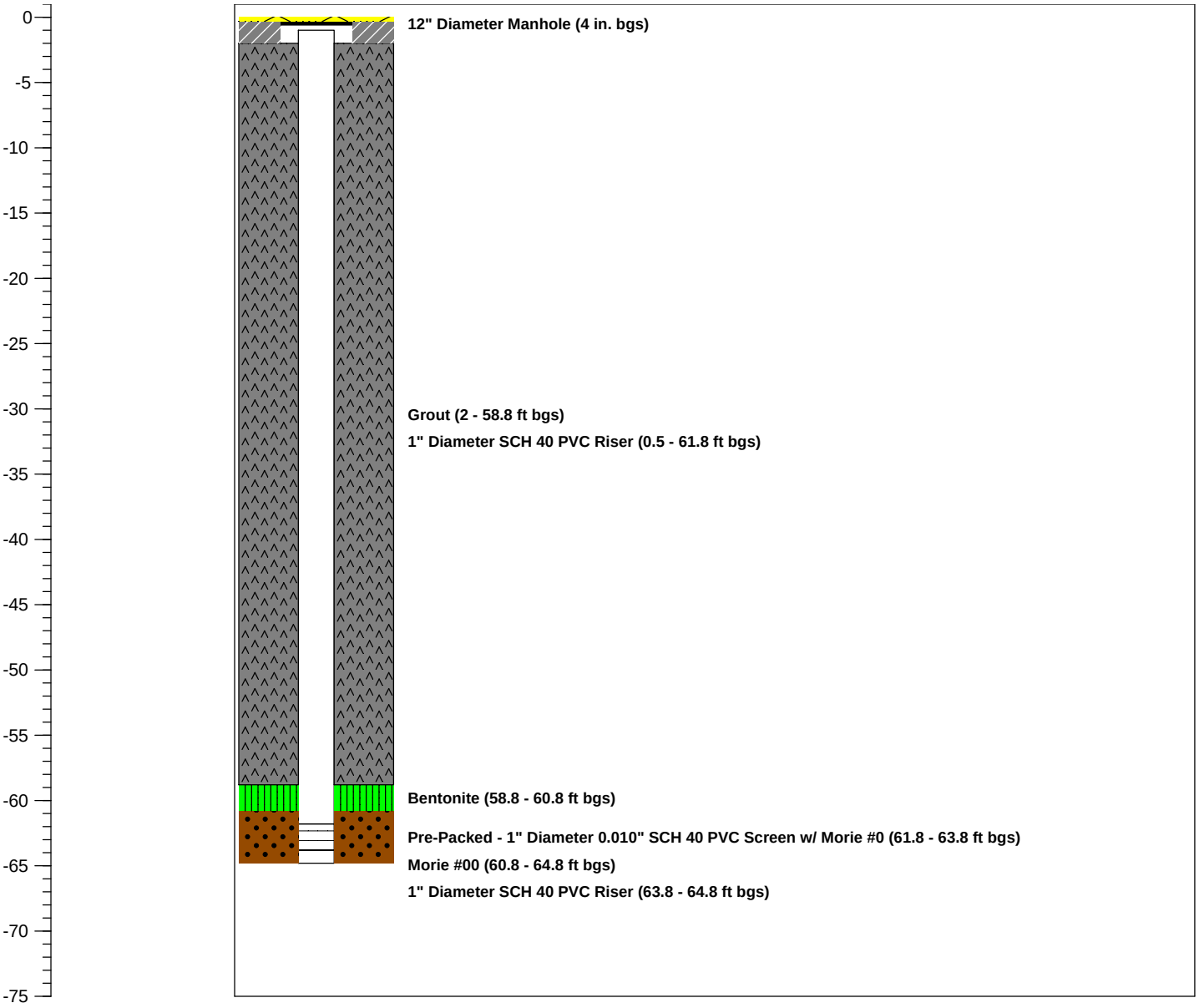
TOTAL DEPTH: **64.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-36**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/4/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

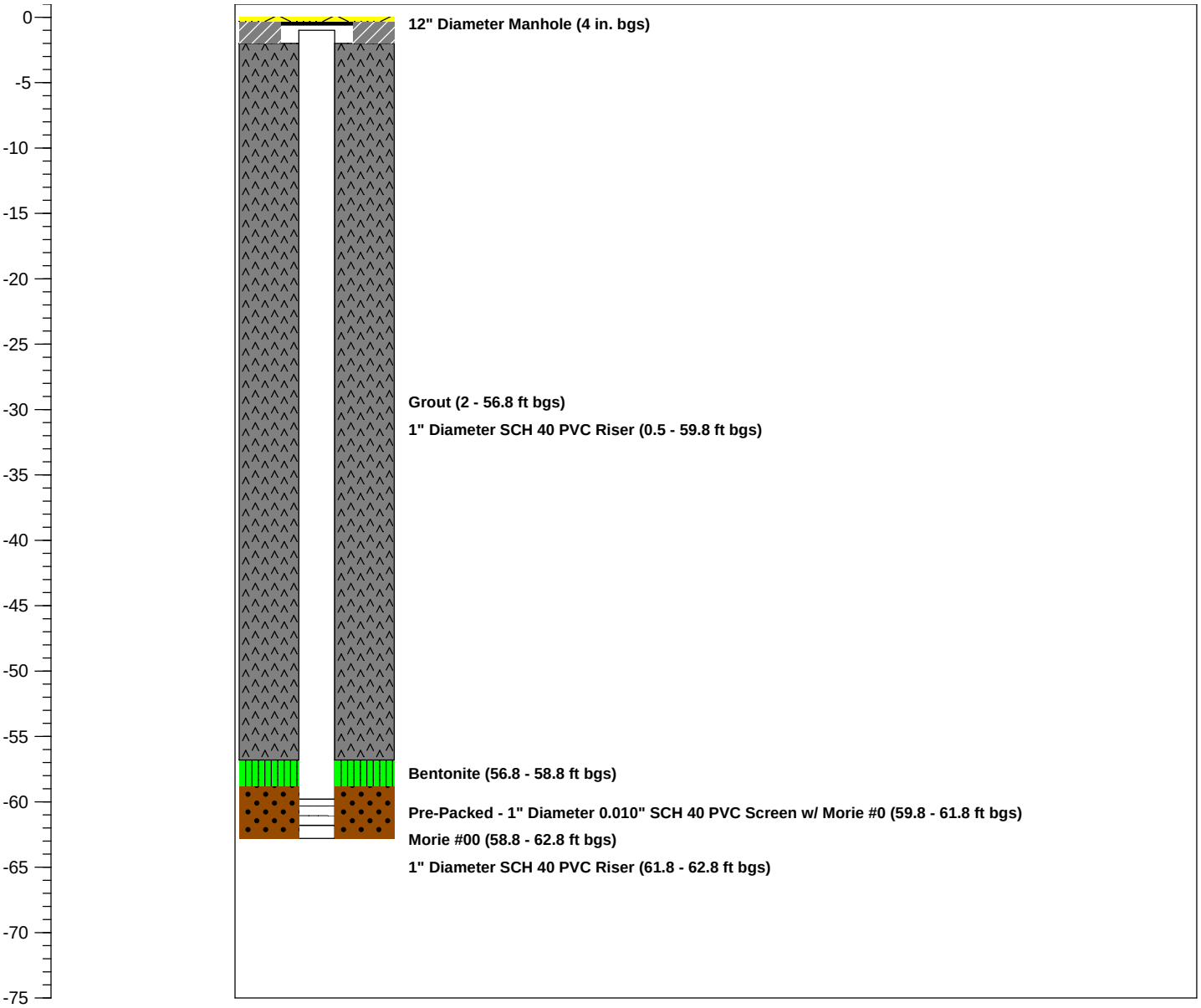
TOTAL DEPTH: **62.8'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-37**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/3/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

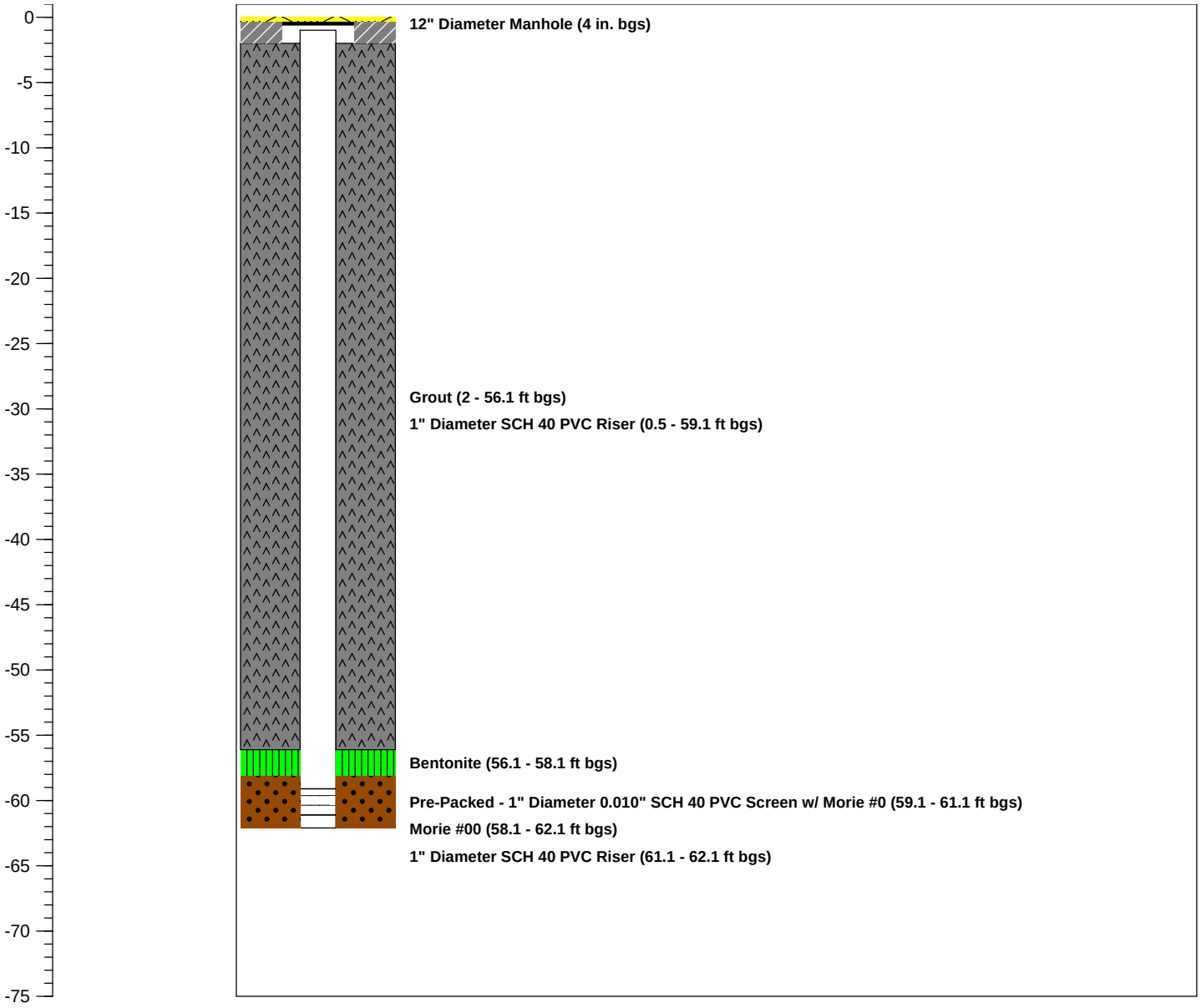
TOTAL DEPTH: **62.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-38**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/3/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

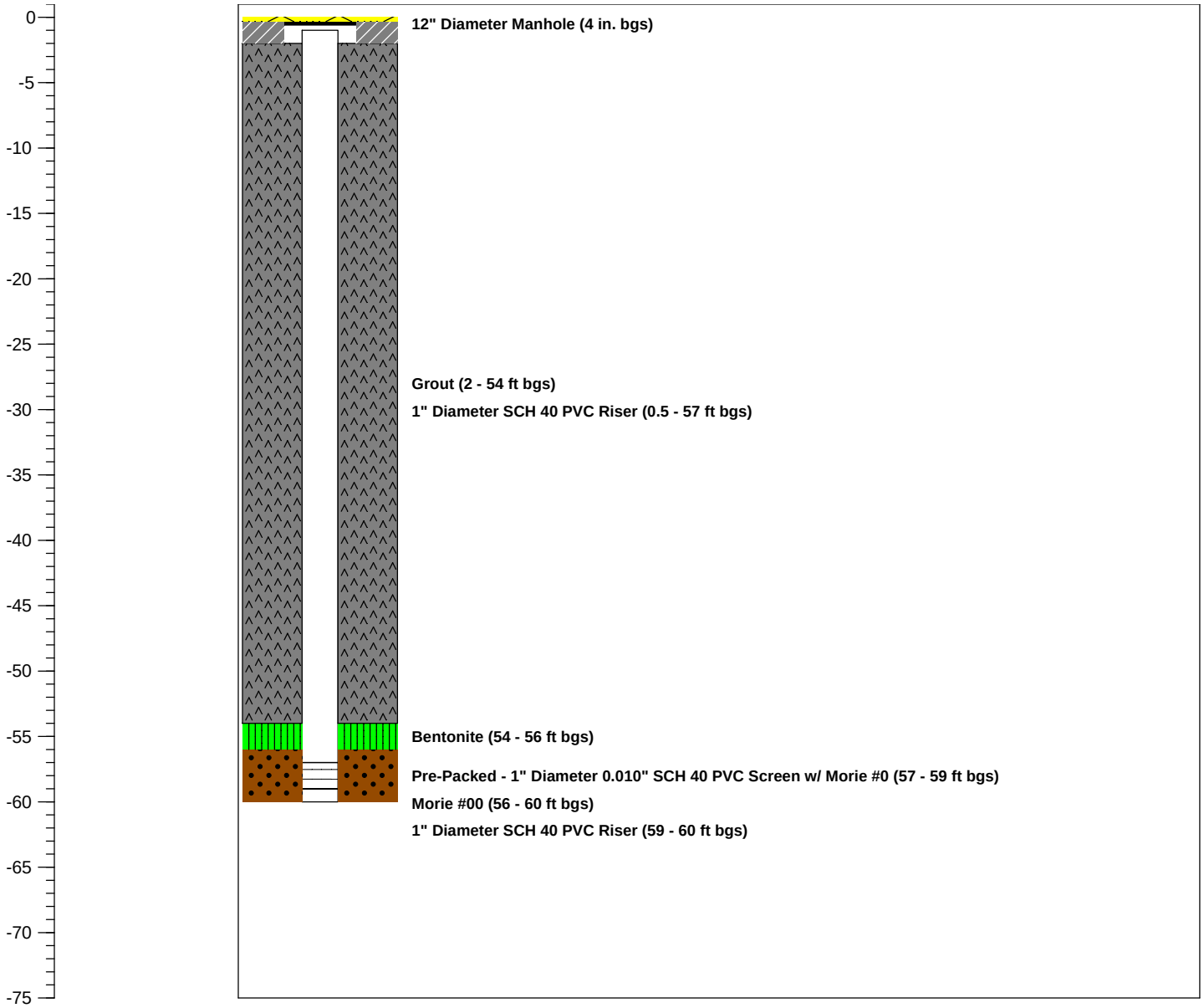
TOTAL DEPTH: **60'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-39**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/2/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

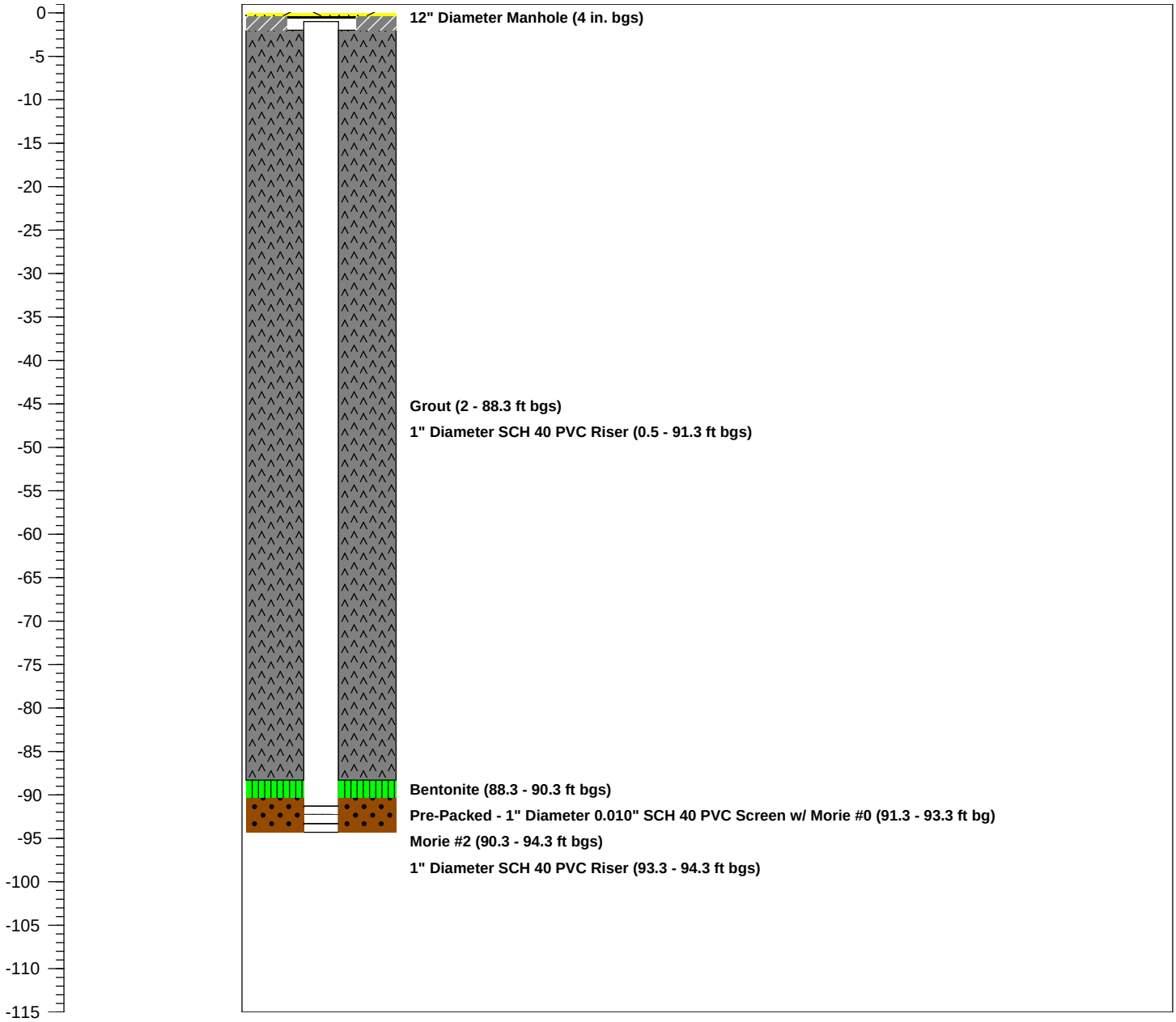
TOTAL DEPTH: **94.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-4**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **7/15/10**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

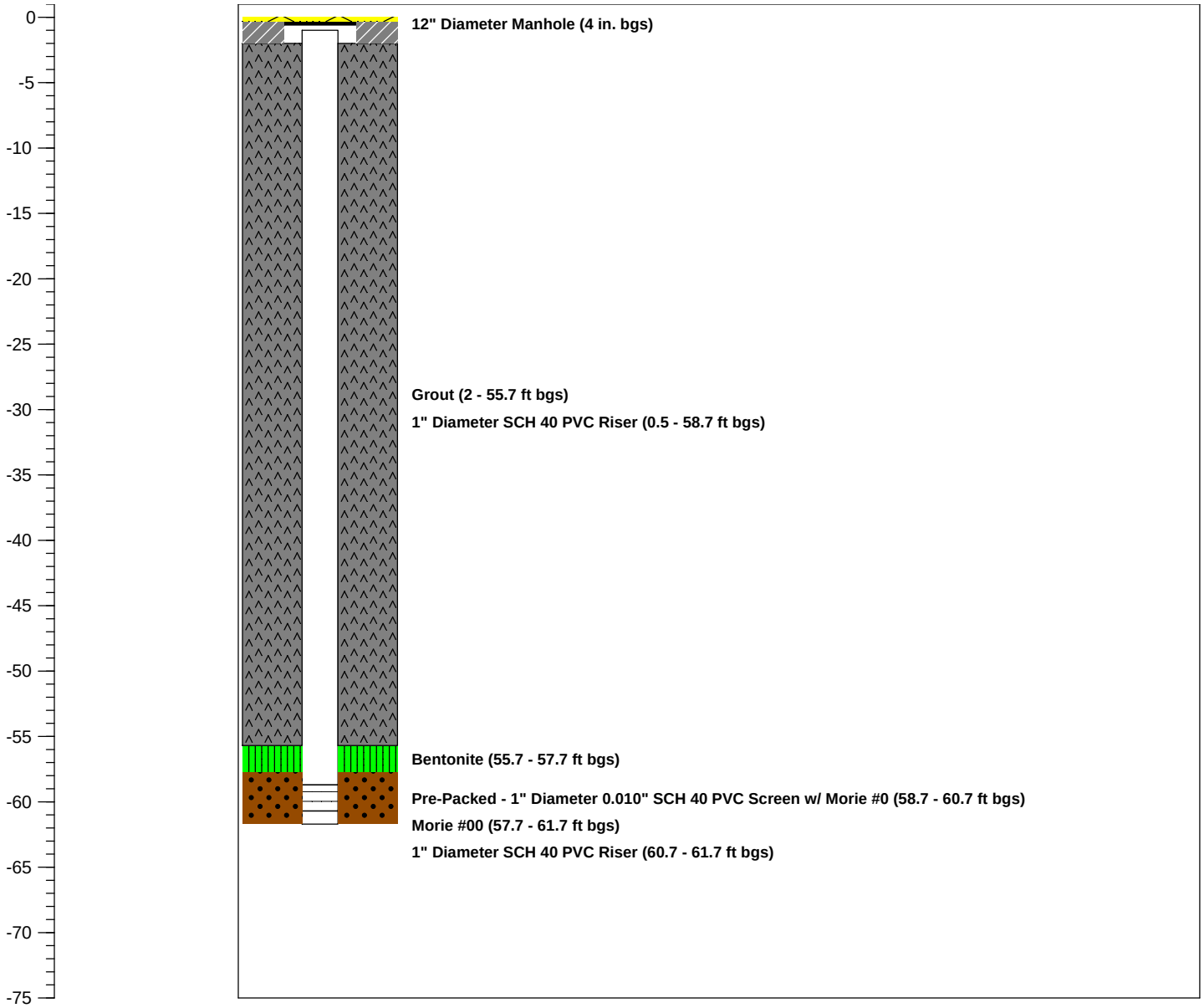
TOTAL DEPTH: **61.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-40**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/2/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

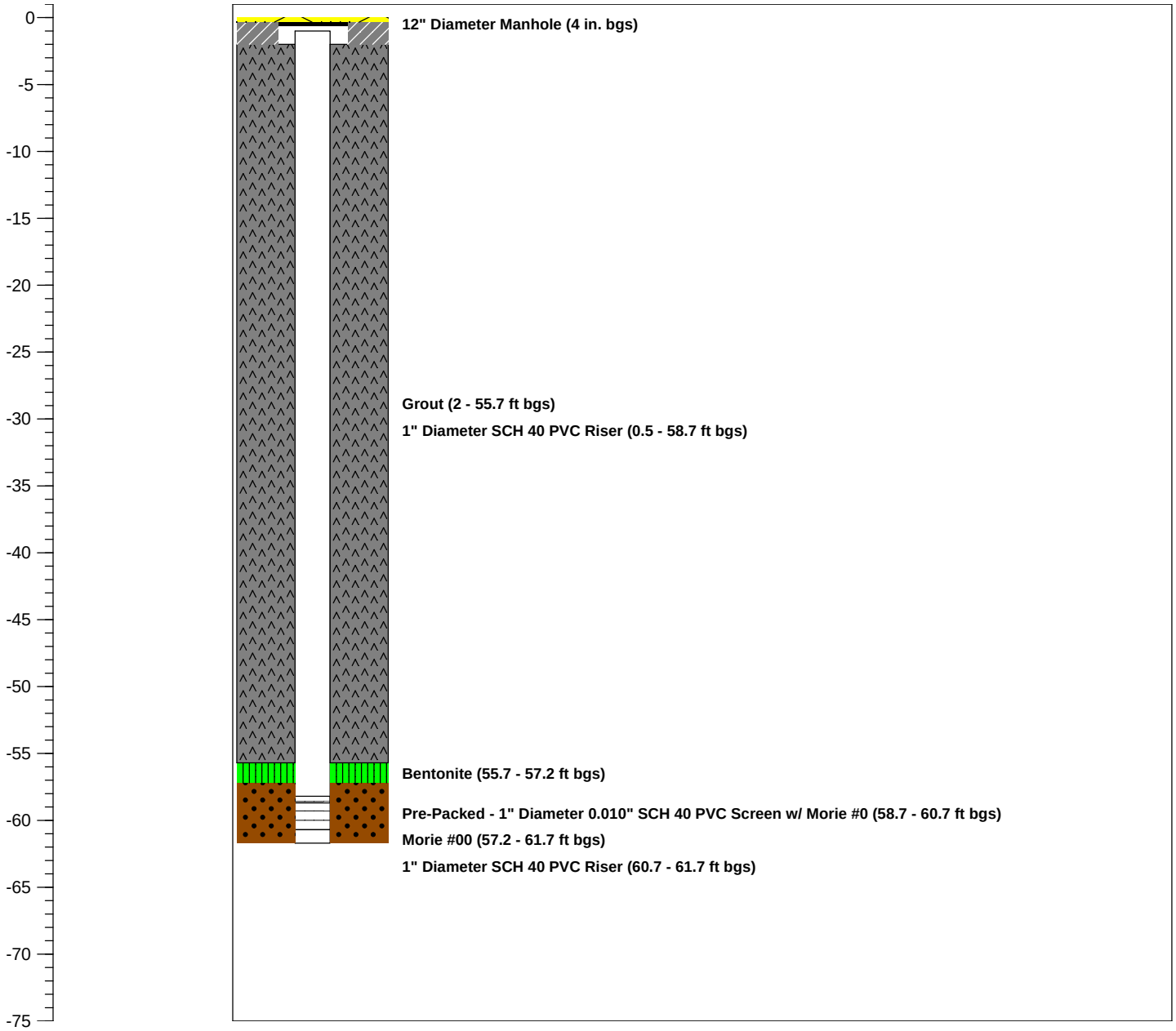
TOTAL DEPTH: **61.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-41**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/1/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

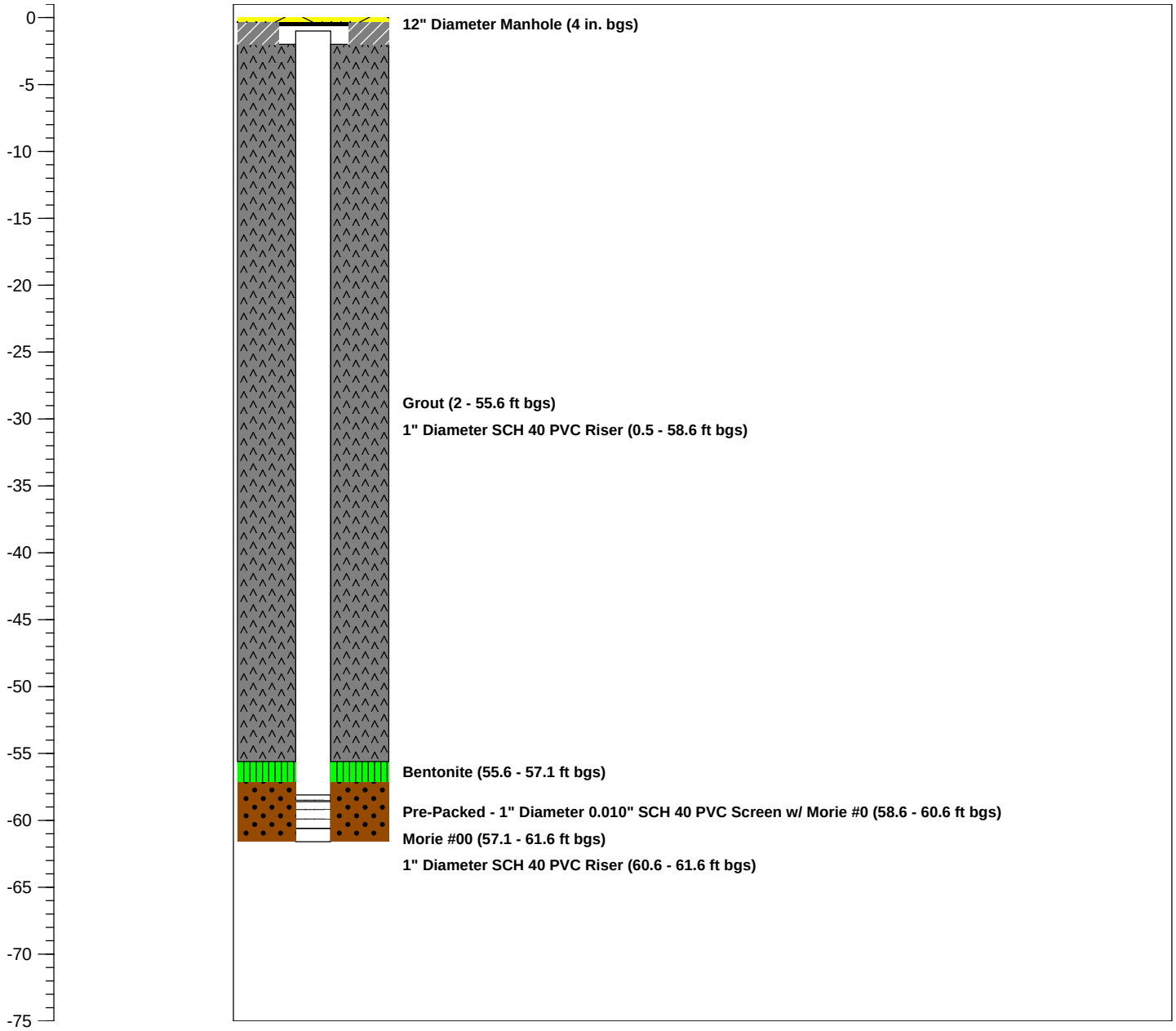
TOTAL DEPTH: **61.6'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-42**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **6/1/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

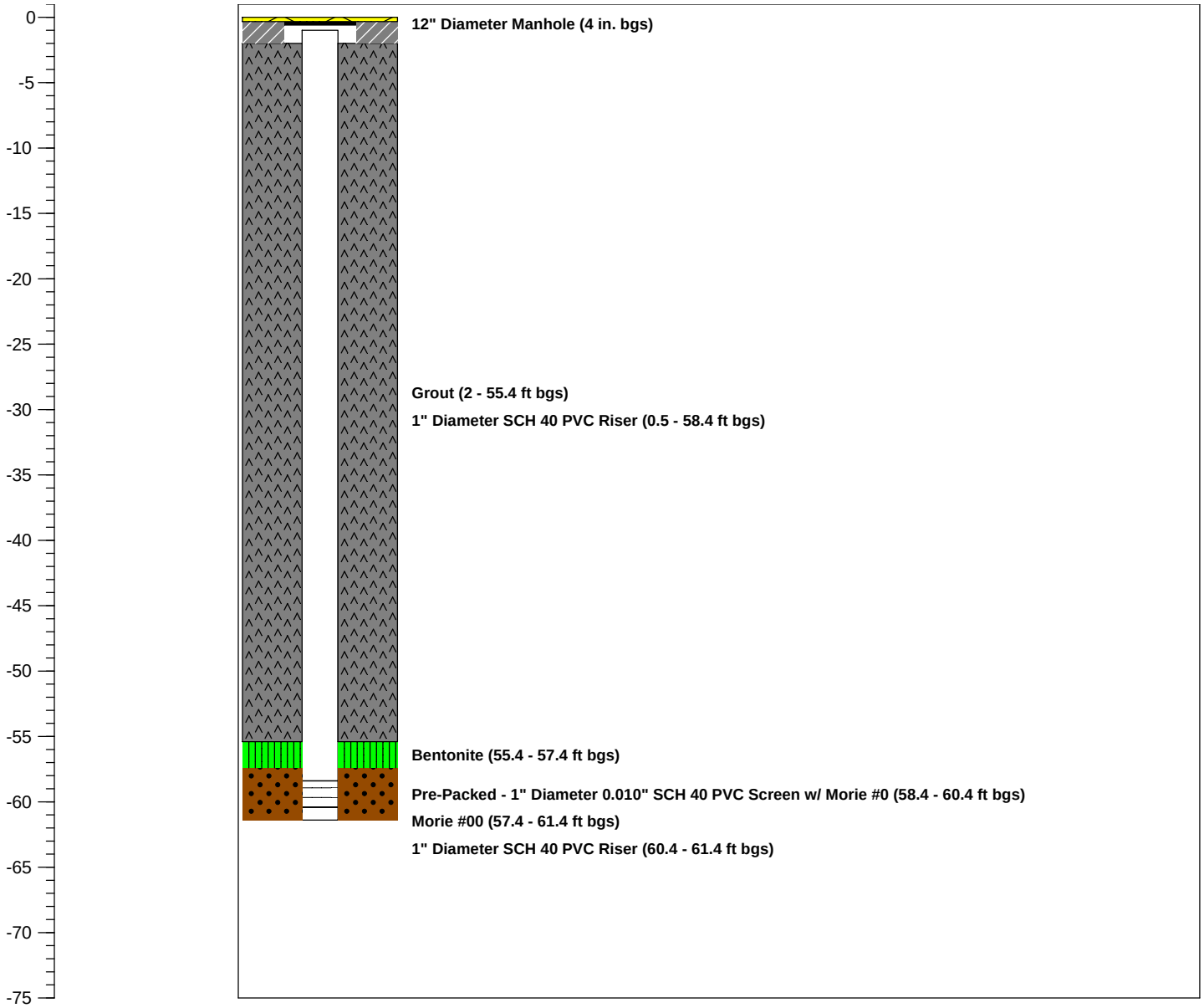
TOTAL DEPTH: **61.4'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-43**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **5/28/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

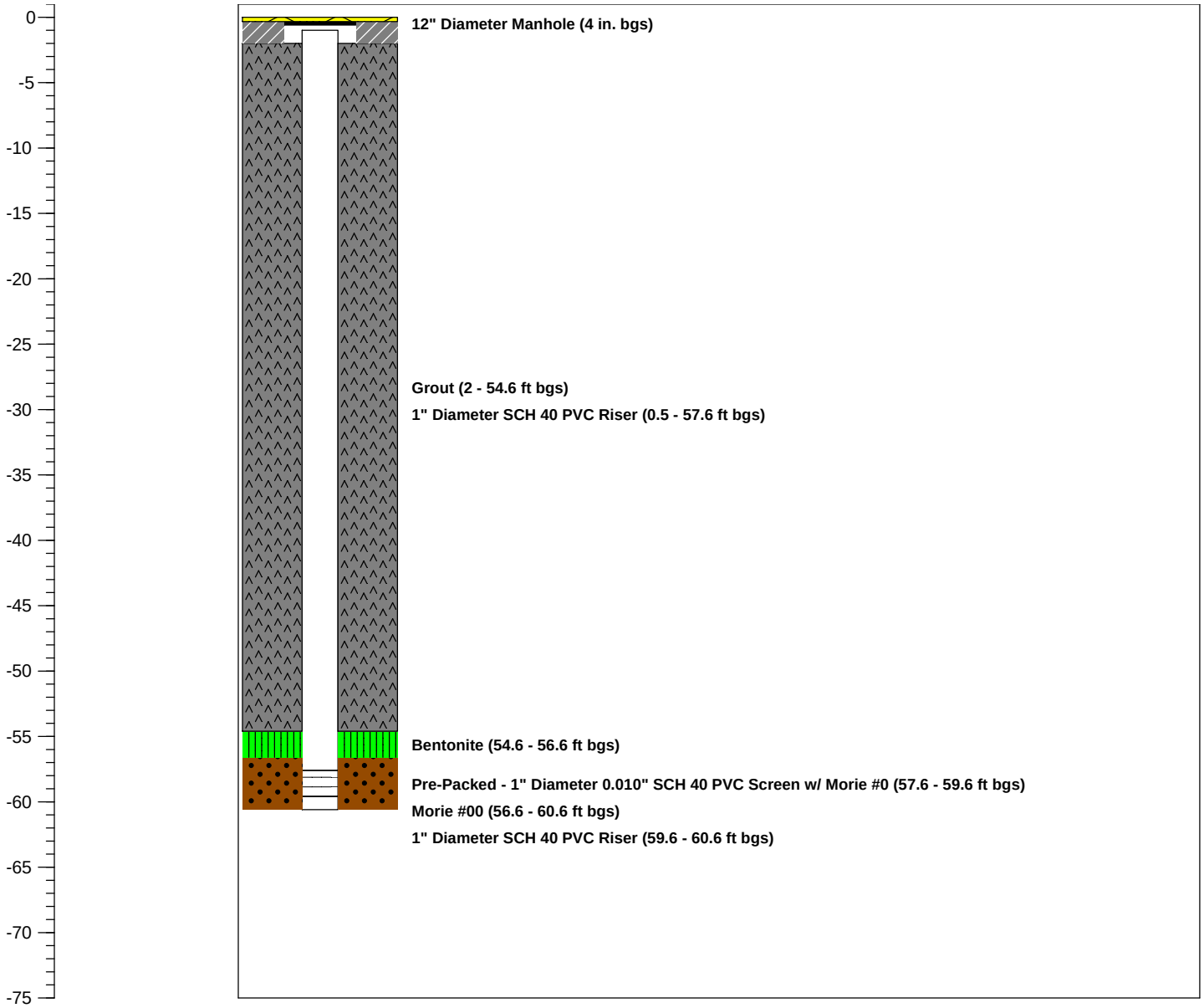
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**60.6'**	WELL NO.:	**OW-2-44**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**5/27/10**	Sampling Method:	-
Driller:	**Kevin Kegel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #7720**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

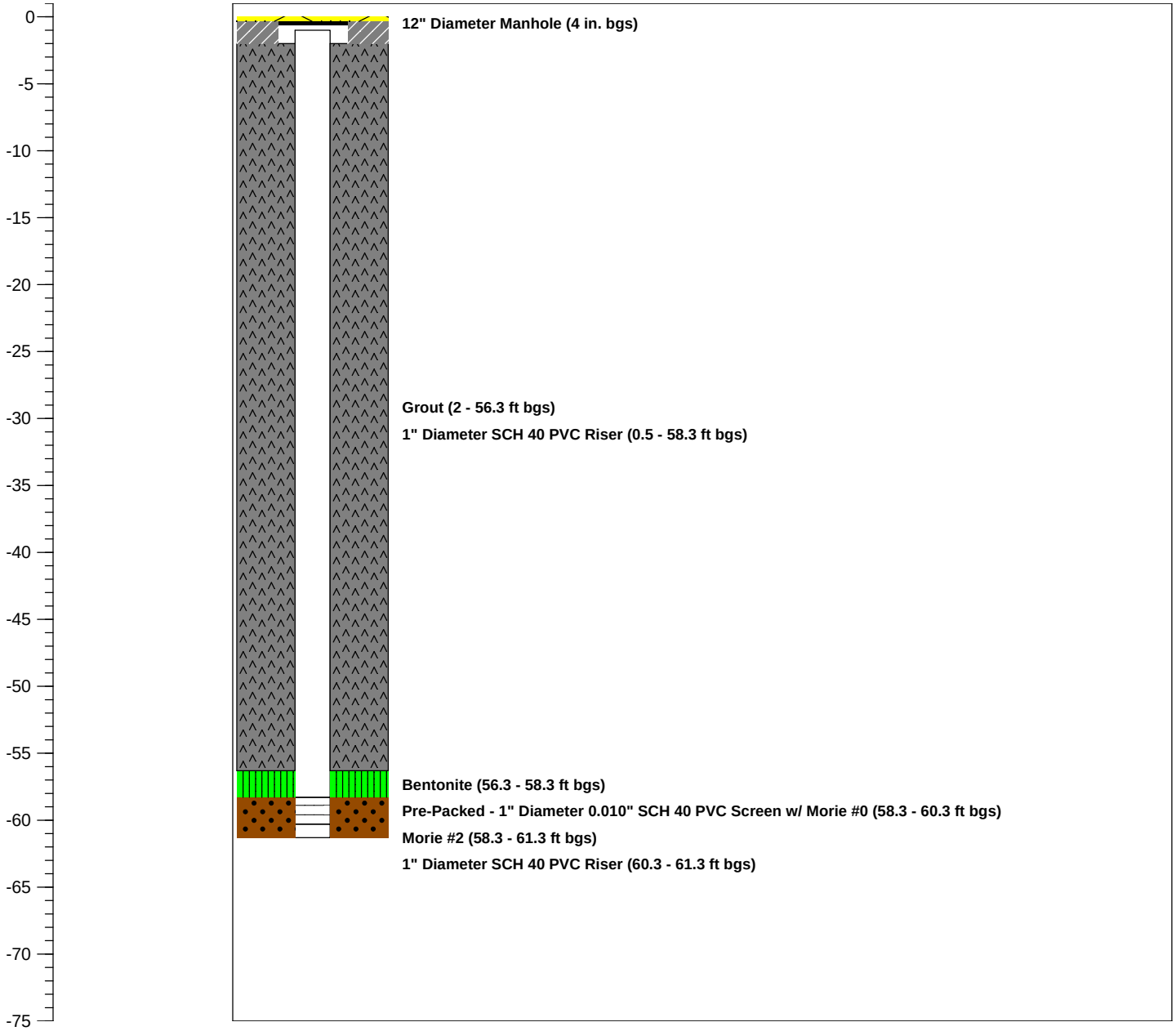
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**61.3'**	WELL NO.:	**OW-2-44R**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**8/27/10**	Sampling Method:	-
Driller:	**Barry Rummel**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

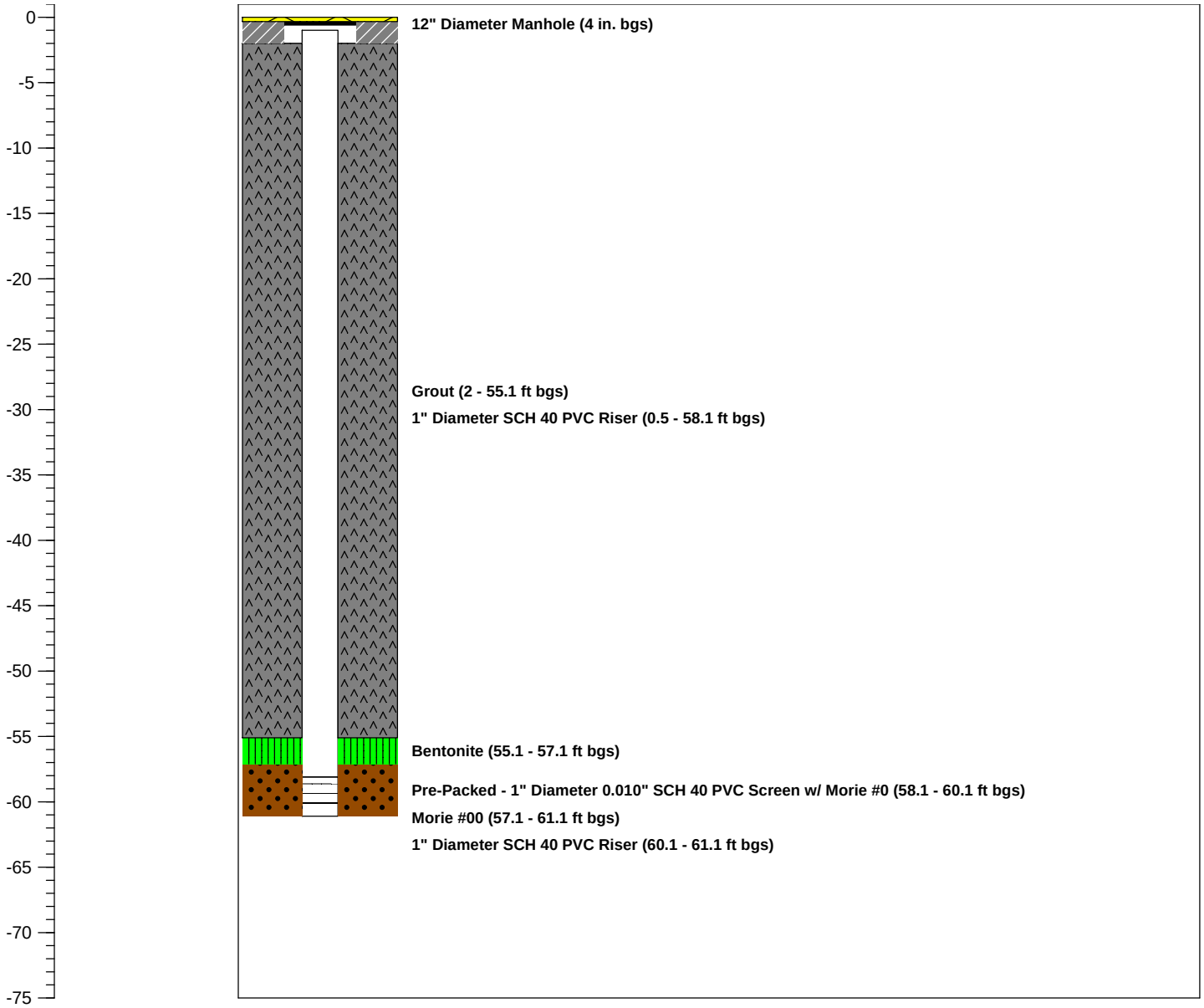
TOTAL DEPTH: **61.1'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-45**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **5/27/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

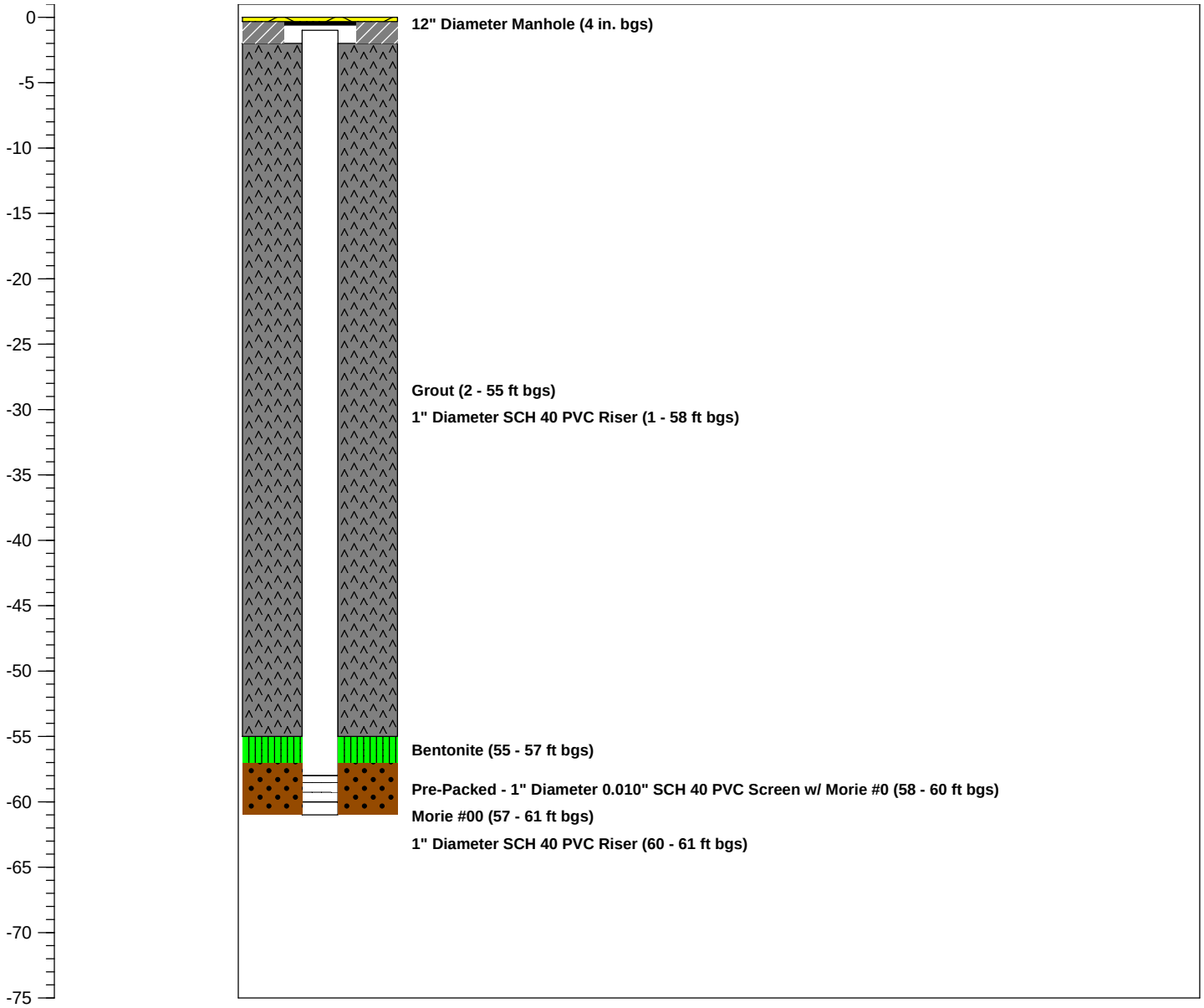
TOTAL DEPTH: **61'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-46**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **5/26/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

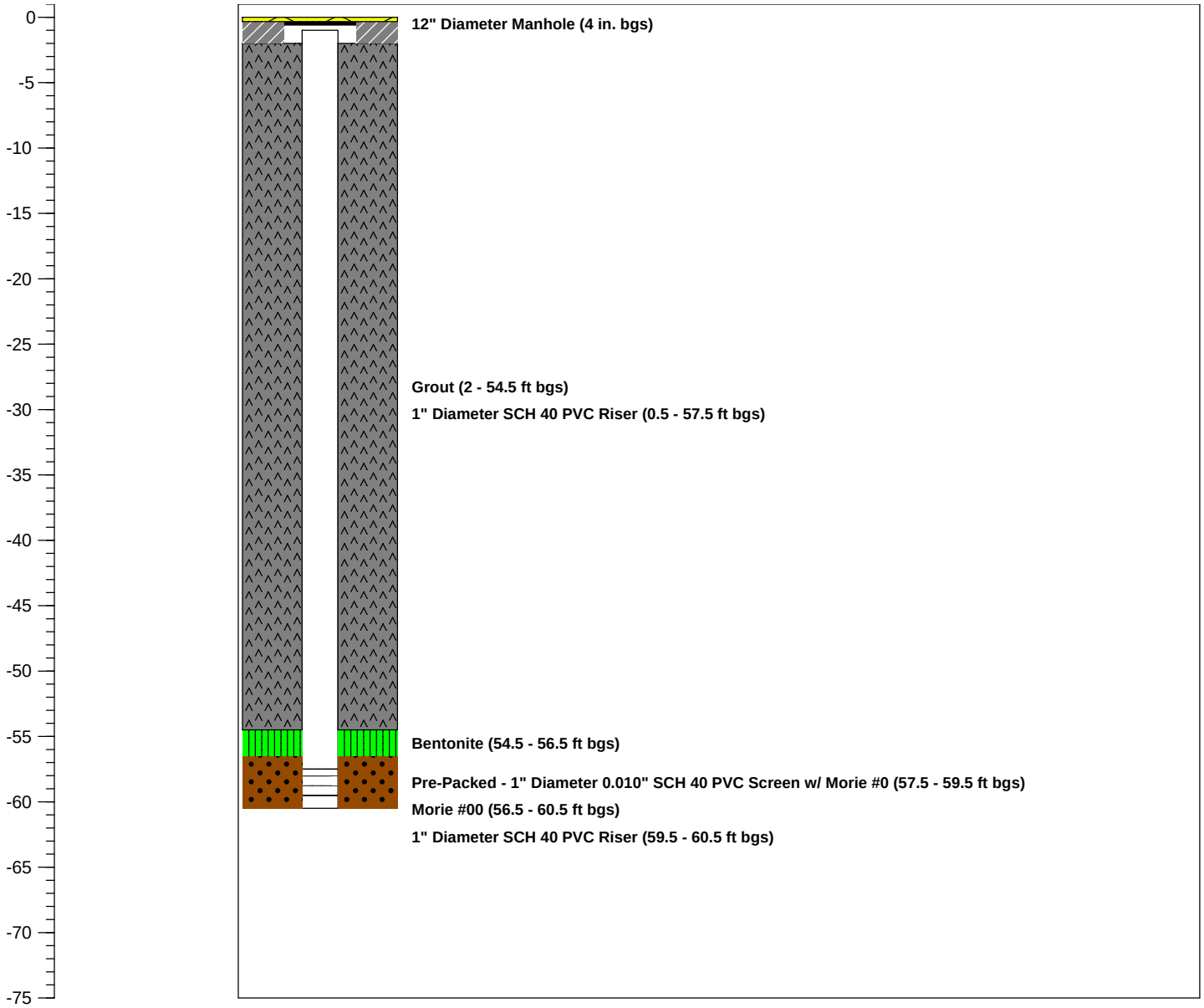
TOTAL DEPTH: **60.5'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-47**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **5/26/10**
Driller: **Kevin Kegel**
Drill Rig Type: **Geoprobe Model #7720**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

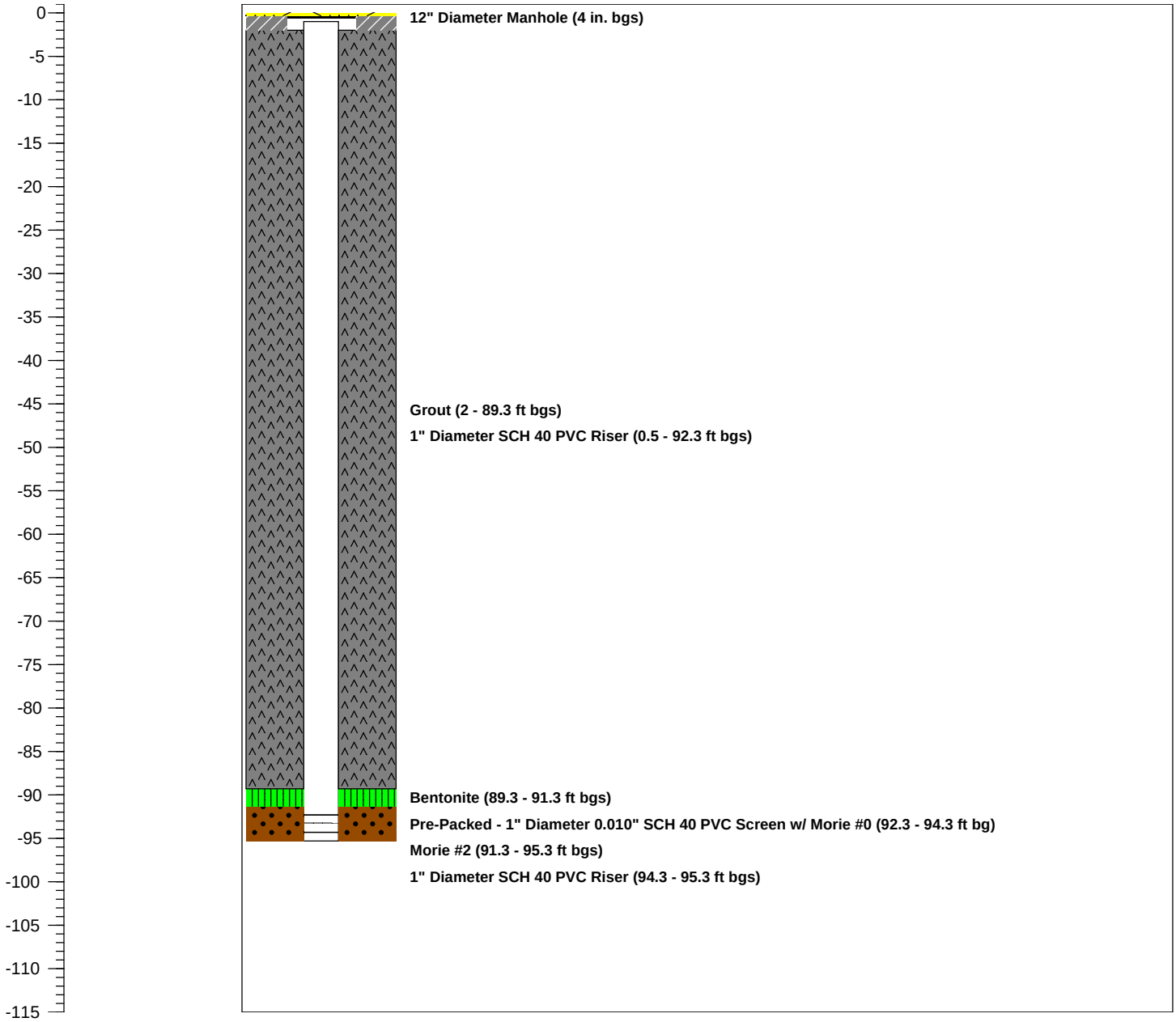
TOTAL DEPTH: **95.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-5**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/15/10**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

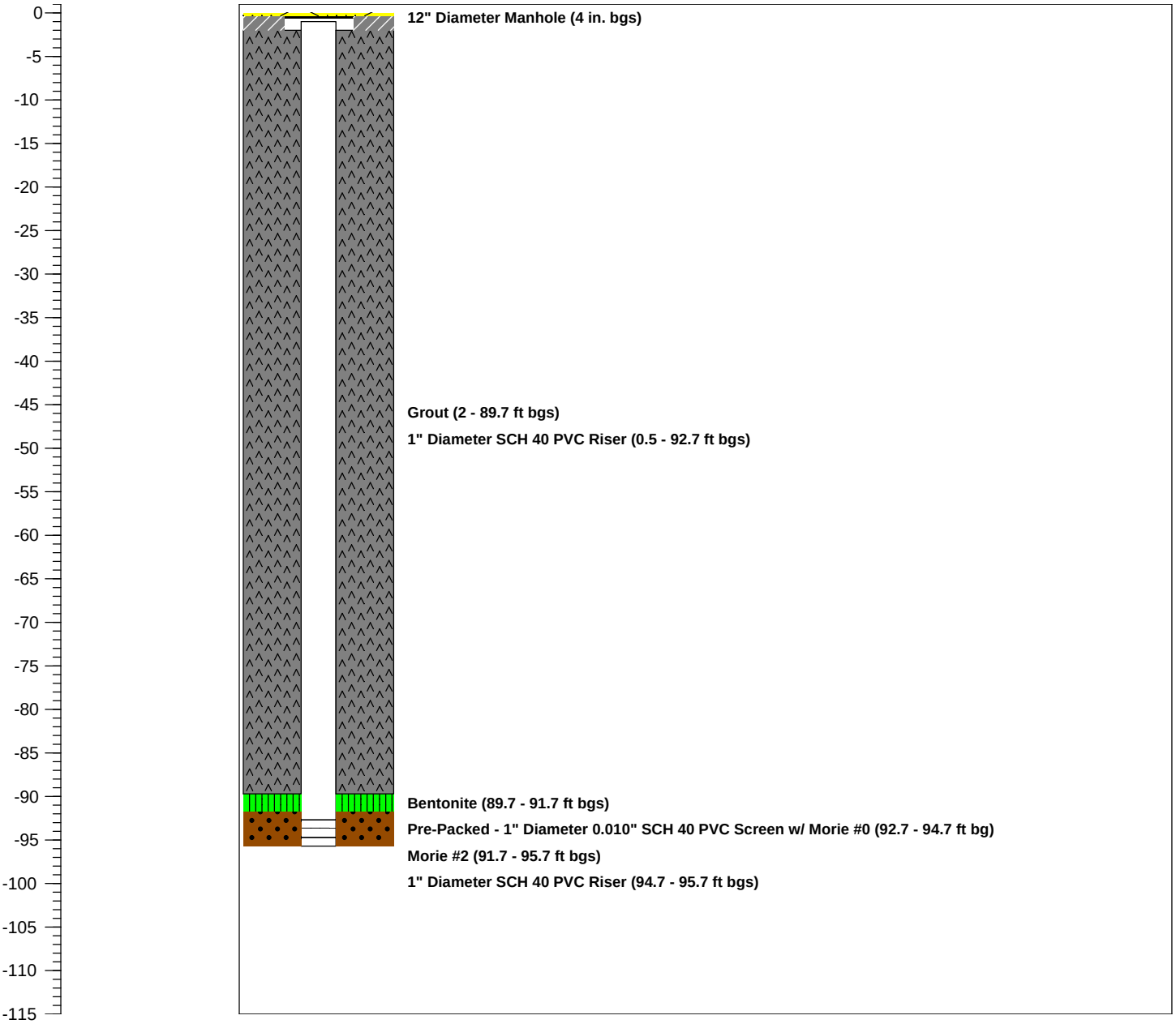
TOTAL DEPTH: **95.7'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-6**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **7/14/10**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

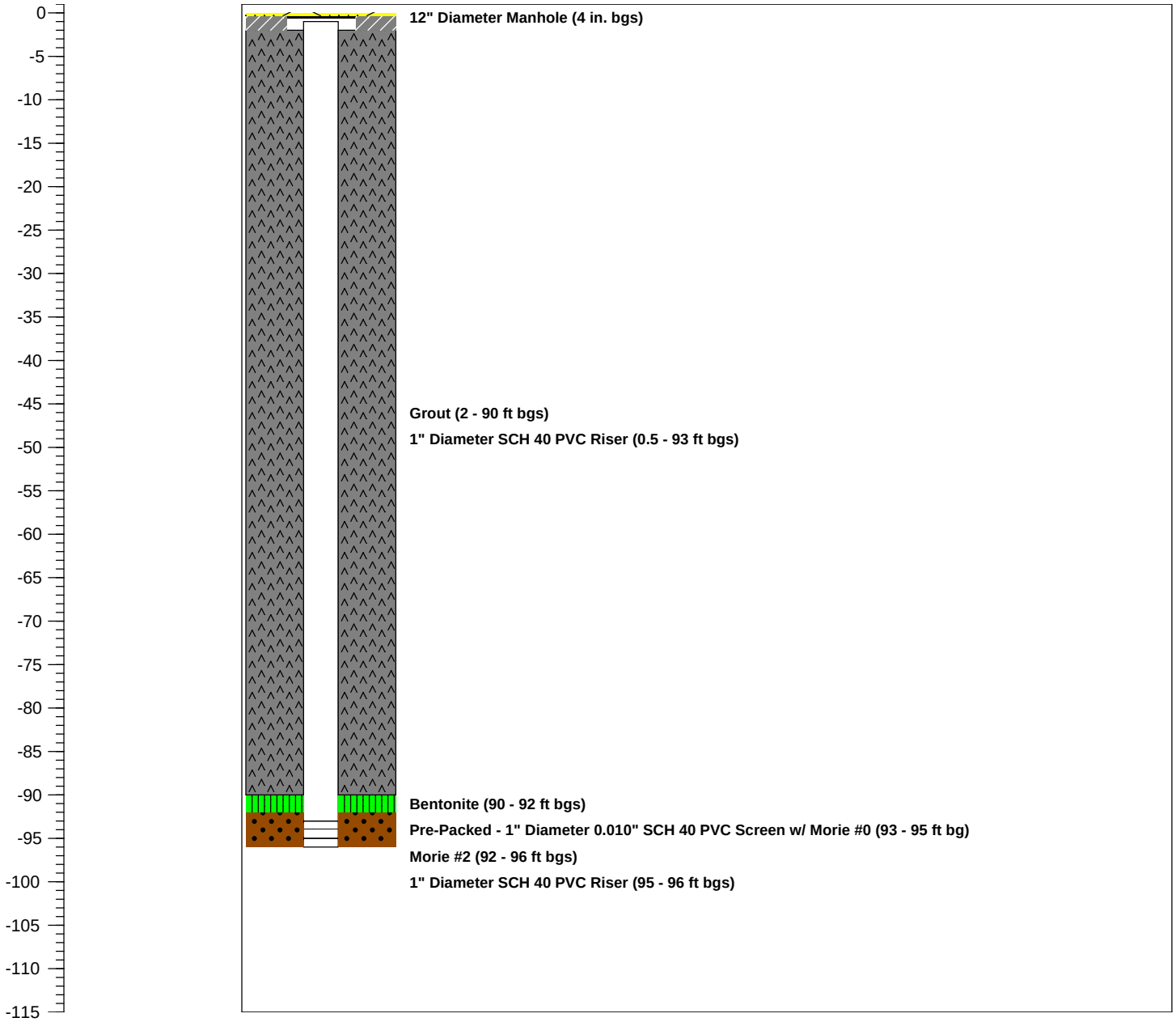
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**96'**	WELL NO.:	**OW-2-7**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**7/14/10**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

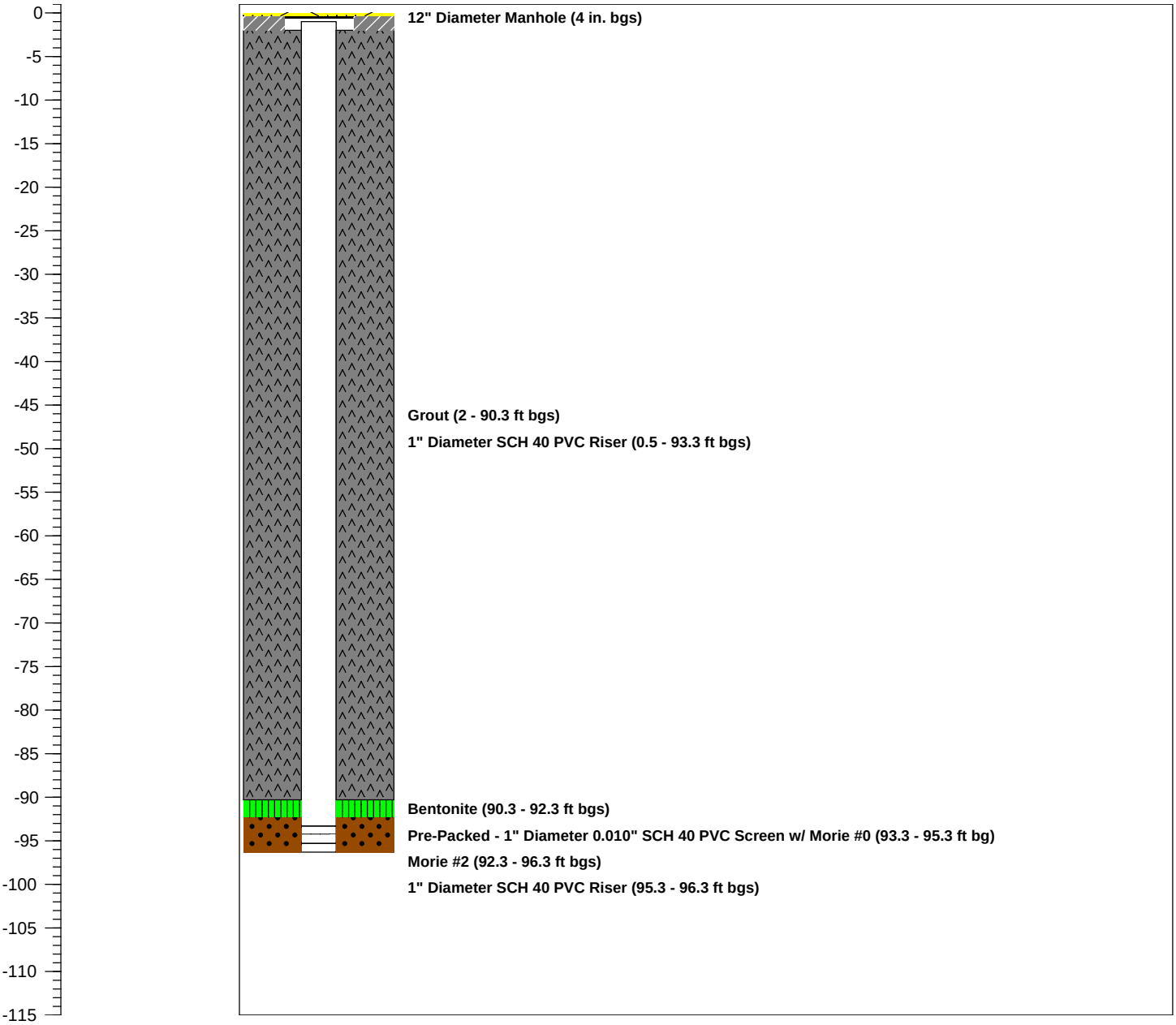
TOTAL DEPTH: **96.3'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-8**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: -
Dates Drilled: **7/13/10**
Driller: **Mark Schock**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: -
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

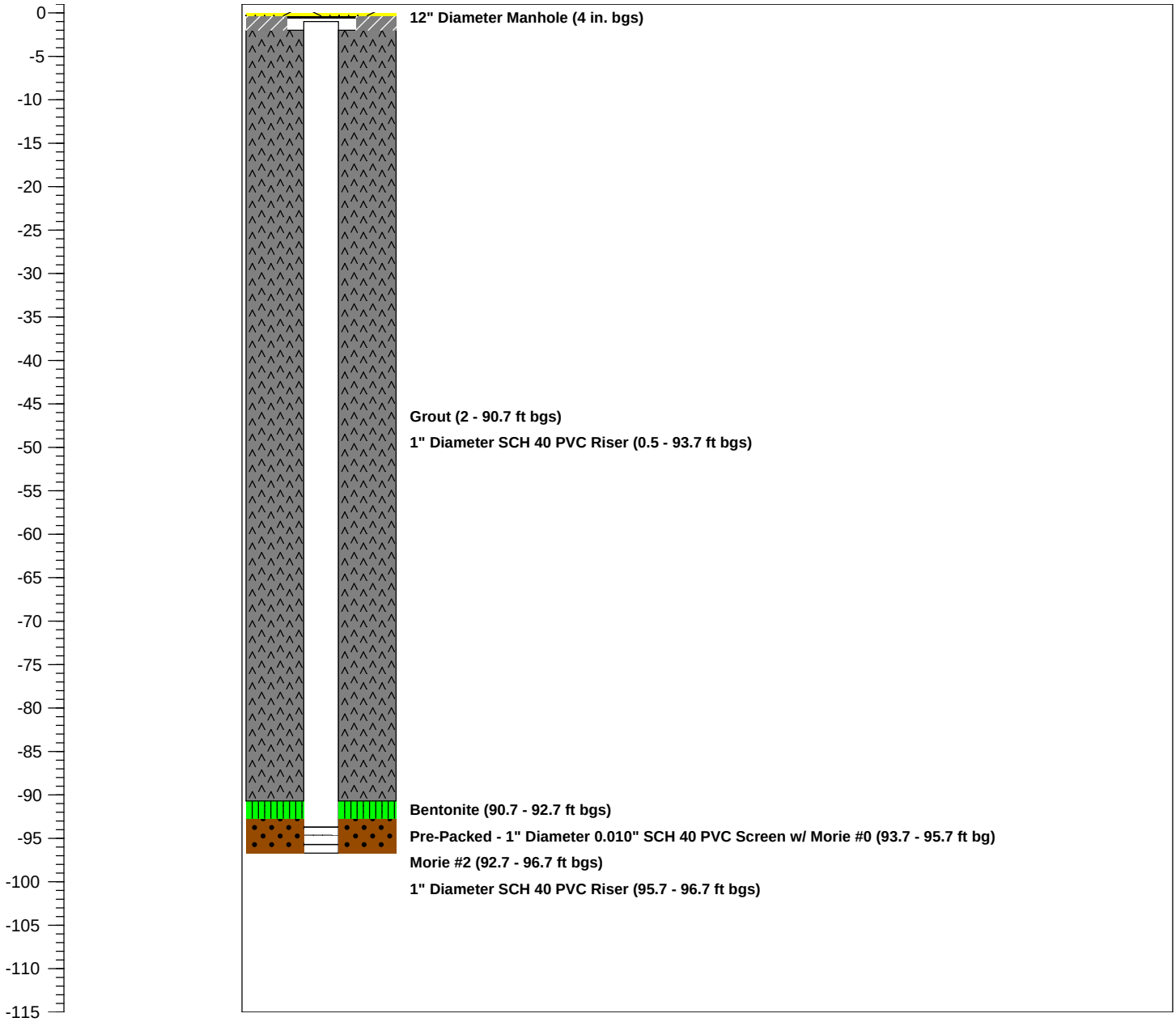
Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT:	**Oxygen Injection Gallery #2**	TOTAL DEPTH:	**96.7'**	WELL NO.:	**OW-2-9D**
ADDRESS:	**National Grid Hempstead, New York**	WATER DEPTH:	**~20-30'**	WELL USE.:	**Injection**
JOB #:	**1002965**	BOREHOLE DIA.:	**3.25"**	WELL DIA.:	**1"**

Logged By:	-	Drilling Method:	**Direct Push**
Dates Drilled:	**7/13/10**	Sampling Method:	-
Driller:	**Mark Schock**	Soil Class. System:	**USCS or Burmister**
Drill Rig Type:	**Geoprobe Model #8040**	Finish:	**12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

Oxygen Injection Point

Fenley & Nicol Environmental, Inc.®

PROJECT: **Oxygen Injection Gallery #2**
ADDRESS: **National Grid**
Hempstead, New York
JOB #: **1002965**

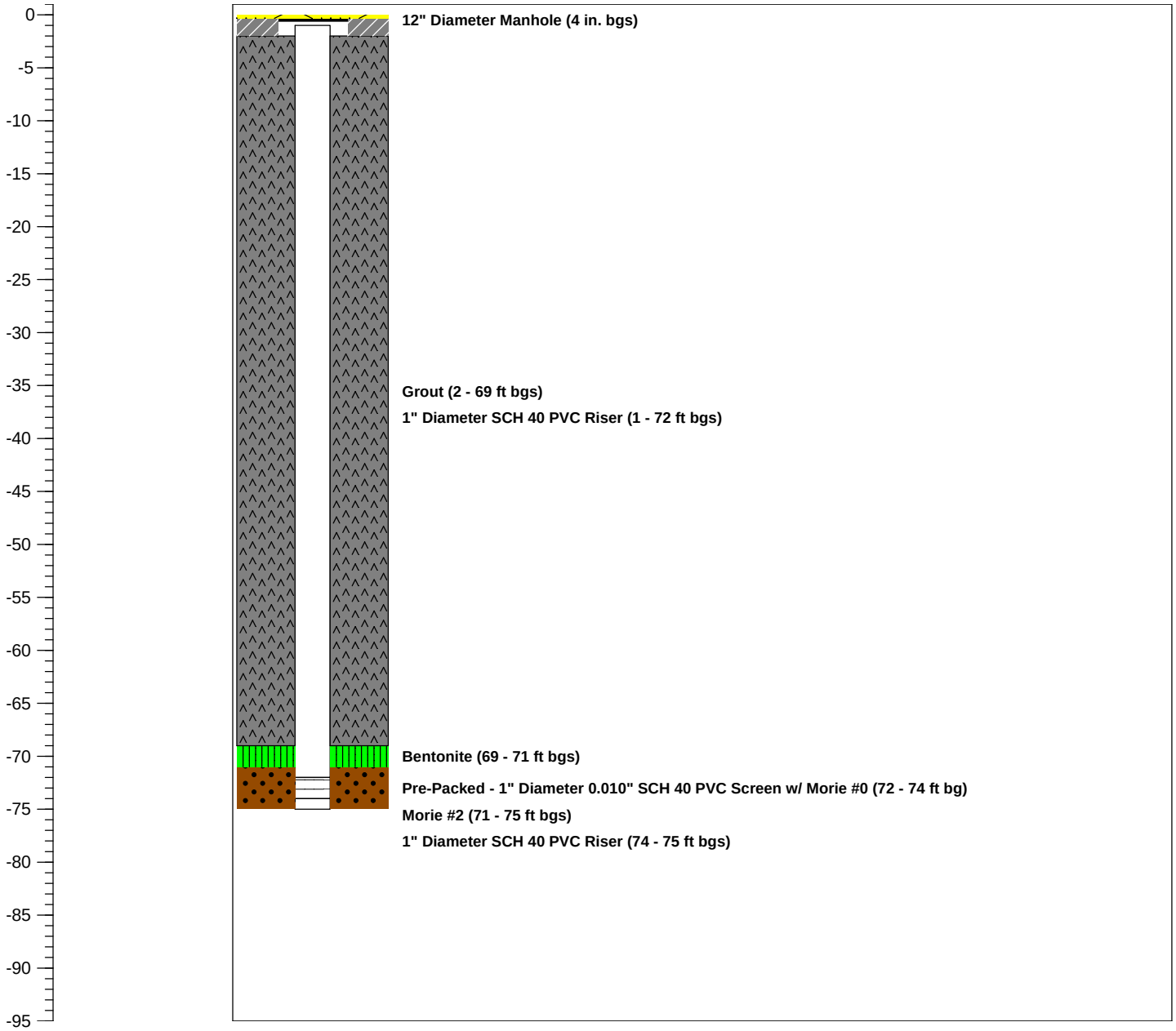
TOTAL DEPTH: **75'**
WATER DEPTH: **~20-30'**
BOREHOLE DIA.: **3.25"**

WELL NO.: **OW-2-9S**
WELL USE.: **Injection**
WELL DIA.: **1"**

Logged By: **-**
Dates Drilled: **7/8/10**
Driller: **Barry Rummel**
Drill Rig Type: **Geoprobe Model #8040**

Drilling Method: **Direct Push**
Sampling Method: **-**
Soil Class. System: **USCS or Burmister**
Finish: **12" DIA Manhole**

Depth (feet)	Sample Interval	Well Construction Details



COMMENTS: The hole was advanced to the target depth using 3.25 inch casing with a disposable drive point. The casing was retracted as the well construction progressed. No soil or groundwater sampling was performed.

WELL DEVELOPMENT LOGS

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-54	Date	12/15/2010	Gallons Recovered	5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1140	24.31	12.23	3.970	0.0	8.10	Dark Brown
1150	Not Measured	10.56	0.523	0.0	7.80	Light Brown
1200	Not Measured	8.88	0.530	0.0	6.50	Light Brown
1230	Not Measured	8.85	0.496	0.0	5.40	Light Brown
1240	Not Measured	7.29	0.377	0.0	11.10	Light Brown
1250	Not Measured	6.04	0.352	0.0	11.80	Clear
1300	Not Measured	5.38	0.355	0.0	10.10	Clear
1310	Not Measured	5.14	0.365	0.0	9.10	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-53	Date	12/16/2010	Gallons Recovered	5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	24.00	6.16	0.333	0.0	12.90	Light Brown
1110	Not Measured	4.66	0.330	0.0	13.90	Light Brown
1120	Not Measured	4.45	0.328	0.0	14.00	Clear
1130	Not Measured	4.38	0.330	0.0	13.00	Clear
1140	Not Measured	4.35	0.328	0.0	13.90	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-52	Date	12/17/2010	Gallons Recovered	2.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	24.20	6.77	0.320	0.0	13.10	Cloudy
1115	Not Measured	6.11	0.311	0.0	13.60	Clear
1130	Not Measured	5.60	0.305	0.0	13.40	Clear
1145	Not Measured	5.38	0.300	0.0	13.40	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-51	Date	12/17/2010	Gallons Recovered	2.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1315	21.95	12.71	18.6	0.0	12.00	Cloudy
1330	Not Measured	12.76	18.8	0.0	10.40	Cloudy
1345	Not Measured	12.92	18.3	0.0	7.00	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-50	Date	12/17/2010	Gallons Recovered	3	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1415	23.20	10.60	0.595	0.0	12.00	Brown
1430	Not Measured	9.85	0.518	0.0	12.30	Light Brown
1445	Not Measured	8.77	0.457	0.0	12.00	Clear
1500	Not Measured	8.65	0.458	0.0	11.80	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-49	Date	12/20/2010 12/22/2010	Gallons Recovered	9.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
900	23.80	9.12	0.450	0.0	12.70	Cloudy
915	Not Measured	8.39	0.446	0.0	12.60	Cloudy
930	Not Measured	8.12	0.448	0.0	11.20	Cloudy
845	23.50	6.25	0.429	0.0	14.30	Cloudy
900	Not Measured	5.88	0.432	0.0	14.40	Clear
915	23.50	5.86	0.430	0.0	14.40	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-48	Date	12/20/2010 12/22/2010	Gallons Recovered	9	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
945	23.50	7.83	,500	0.0	10.60	Brown
1000	Not Measured	7.34	,508	0.0	10.50	Light Brown
1015	Not Measured	7.15	0.506	0.0	10.80	Cloudy
1030	Not Measured	7.05	0.502	0.0	10.20	Cloudy
1020	23.20	6.11	0.505	0.0	13.40	Light Brown
1035	Not Measured	6.00	0.497	0.0	13.80	Clear
1050	Not Measured	5.98	0.491	0.0	13.90	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-47	Date	12/20/2010	Gallons Recovered	6	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	23.40	6.93	0.486	0.0	12.30	Brown
1115	Not Measured	6.60	0.511	0.0	12.80	Cloudy
1130	Not Measured	6.37	0.510	0.0	13.00	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-46	Date	12/20/2010	Gallons Recovered	4.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1145	23.30	6.13	0.502	0.0	12.50	Silty
1200	Not Measured	5.98	0.513	0.0	11.80	Light Brown
1215	Not Measured	5.85	0.517	0.0	11.90	Cloudy
1230	Not Measured	5.92	0.520	0.0	11.70	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-45	Date	12/20/10 12/22/10	Gallons Recovered	11.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1345	23.20	6.46	0.544	0.0	13.30	Silty
1400	Not Measured	6.25	0.547	0.0	13.50	Cloudy
1415	Not Measured	6.12	0.546	0.0	13.50	Light Brown
1430	Not Measured	5.99	0.547	0.0	12.80	Cloudy
1120	22.60	6.28	0.525	0.0	12.70	Light Brown
1135	Not Measured	6.14	0.547	0.0	13.30	Cloudy
1150	22.60	6.08	0.544	0.0	13.40	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-44	Date	12/22/2010	Gallons Recovered	13		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1330	23.20	6.51	0.571	0.7	12.40	Brown	No Odor
1345	Not Measured	6.32	0.568	0.7	13.60	Cloudy	No Odor
1400	Not Measured	6.15	0.567	0.4	13.50	Cloudy	No Odor
1415	Not Measured	6.09	0.567	0.4	13.50	Cloudy	No Odor
1430	Not Measured	6.05	0.563	0.4	13.30	Cloudy	No Odor
1445	Not Measured	6.03	0.561	0.3	13.30	Cloudy	No Odor
1500	23.30	6.02	0.560	0.2	13.40	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-41S	Date	12/21/2010	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1000	22.80	6.63	0.374	0.8	12.90	Light Brown	Slight Odor
1015	Not Measured	6.08	0.366	1.2	12.80	Cloudy	Slight Odor
1035	Not Measured	5.97	0.362	1.0	13.30	Clear	Slight Odor
1050	22.70	6.02	0.360	0.4	13.40	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-40S	Date	12/21/2010	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1400	21.90	5.99	0.369	1.4	14.00	Light Brown	Strong Odor
1415	Not Measured	5.94	0.366	25.1	14.10	Cloudy	Strong Odor
1430	Not Measured	5.94	0.368	11.9	14.00	Cloudy	Strong Odor
1445	21.60	5.93	0.364	20.2	14.10	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-40D	Date	12/21/2010	Gallons Recovered	8		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1120	22.60	8.01	0.532	0.0	12.80	Silty	No Odor
1135	Not Measured	6.54	0.575	0.0	13.10	Silty	No Odor
1150	Not Measured	6.23	0.576	0.0	13.20	Silty	No Odor
1205	Not Measured	6.03	0.561	0.0	13.30	Gray	No Odor
1220	Not Measured	5.94	0.552	0.0	13.20	Cloudy	No Odor
1235	22.70	5.90	0.545	0.0	13.10	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-49	Date	12/20/2010 12/22/2010	Gallons Recovered	9.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
900	23.80	9.12	0.450	0.0	12.70	Cloudy
915	Not Measured	8.39	0.446	0.0	12.60	Cloudy
930	Not Measured	8.12	0.448	0.0	11.20	Cloudy
845	23.50	6.25	0.429	0.0	14.30	Cloudy
900	Not Measured	5.88	0.432	0.0	14.40	Clear
915	23.50	5.86	0.430	0.0	14.40	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-48	Date	12/20/2010 12/22/2010	Gallons Recovered	9	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
945	23.50	7.83	,500	0.0	10.60	Brown
1000	Not Measured	7.34	,508	0.0	10.50	Light Brown
1015	Not Measured	7.15	0.506	0.0	10.80	Cloudy
1030	Not Measured	7.05	0.502	0.0	10.20	Cloudy
1020	23.20	6.11	0.505	0.0	13.40	Light Brown
1035	Not Measured	6.00	0.497	0.0	13.80	Clear
1050	Not Measured	5.98	0.491	0.0	13.90	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-45	Date	12/20/10 12/22/10	Gallons Recovered	11.5	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1345	23.20	6.46	0.544	0.0	13.30	Silty
1400	Not Measured	6.25	0.547	0.0	13.50	Cloudy
1415	Not Measured	6.12	0.546	0.0	13.50	Light Brown
1430	Not Measured	5.99	0.547	0.0	12.80	Cloudy
1120	22.60	6.28	0.525	0.0	12.70	Light Brown
1135	Not Measured	6.14	0.547	0.0	13.30	Cloudy
1150	22.60	6.08	0.544	0.0	13.40	Clear

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-44	Date	12/22/2010	Gallons Recovered	13		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1330	23.20	6.51	0.571	0.7	12.40	Brown	No Odor
1345	Not Measured	6.32	0.568	0.7	13.60	Cloudy	No Odor
1400	Not Measured	6.15	0.567	0.4	13.50	Cloudy	No Odor
1415	Not Measured	6.09	0.567	0.4	13.50	Cloudy	No Odor
1430	Not Measured	6.05	0.563	0.4	13.30	Cloudy	No Odor
1445	Not Measured	6.03	0.561	0.3	13.30	Cloudy	No Odor
1500	23.30	6.02	0.560	0.2	13.40	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-43	Date	12/23/2010	Gallons Recovered	13		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
935	22.50	6.62	0.560	5.1	12.70	Silty	Slight Odor
950	Not Measured	6.64	0.570	3.5	13.60	Cloudy	Slight Odor
1005	Not Measured	6.34	0.554	3.2	13.70	Cloudy	Slight Odor
1020	Not Measured	6.30	0.537	0.6	13.70	Cloudy	Slight Odor
1035	Not Measured	6.12	0.536	0.3	13.60	Cloudy	Slight Odor
1050	Not Measured	6.08	0.528	0.0	13.50	Cloudy	Slight Odor
1105	22.30	6.06	0.527	0.0	13.60	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-42D	Date	12/23/2010	Gallons Recovered	14		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1120	22.20	9.81	0.501	4.1	13.20	Light Gray	No Odor
1135	Not Measured	7.61	0.570	0.7	13.40	Light Brown	No Odor
1150	Not Measured	6.55	0.538	0.2	13.50	Cloudy	No Odor
1205	Not Measured	6.33	0.533	0.0	13.50	Cloudy	No Odor
1220	Not Measured	6.27	0.525	0.0	13.50	Cloudy	No Odor
1235	Not Measured	6.23	0.520	0.0	13.40	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-36S	Date	1/6/2011	Gallons Recovered	5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1415	21.50	6.48	0.414	12.1	12.70	Light Brown	Slight Odor
1430	Not Measured	6.25	0.409	13.8	13.40	Light Brown	Slight Odor
1445	Not Measured	6.23	0.410	14.0	13.60	Cloudy	Slight Odor
1500	21.50	6.22	0.411	13.5	13.60	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-36D	Date	1/6/2011	Gallons Recovered	13.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1115	21.50	8.67	0.398	2.9	12.70	Gray	Slight Odor
1130	Not Measured	7.72	0.550	0.4	13.40	Cloudy	Slight Odor
1145	Not Measured	6.74	0.504	0.3	13.40	Cloudy	Slight Odor
1200	Not Measured	6.18	0.486	0.2	13.40	Cloudy	Slight Odor
1215	Not Measured	6.01	0.476	0.0	13.40	Cloudy	Slight Odor
1230	21.40	5.94	0.472	0.0	13.30	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-37S	Date	1/6/2011	Gallons Recovered	4.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1015	21.80	6.29	0.432	0.0	13.10	Light Brown	No Odor
1030	Not Measured	6.02	0.428	0.0	13.70	Cloudy	No Odor
1045	Not Measured	5.92	0.426	0.0	13.70	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-37D	Date	1/5/2011 1/6/2011	Gallons Recovered	22.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1415	21.50	11.21	0.622	0.6	13.00	Brown	No Odor
1430	Not Measured	8.88	0.628	0.0	13.60	Brown	No Odor
1445	Not Measured	8.16	0.587	0.0	13.70	Brown	No Odor
1500	Not Measured	6.82	0.552	0.0	13.60	Cloudy	No Odor
1515	21.50	6.48	0.535	0.0	13.60	Cloudy	No Odor
850	21.60	9.71	0.545	0.6	13.00	Cloudy	No Odor
905	Not Measured	7.43	0.542	0.5	13.30	Cloudy	No Odor
920	Not Measured	6.32	0.526	0.5	13.10	Cloudy	No Odor
935	Not Measured	6.08	0.518	0.4	13.20	Cloudy	No Odor
950	Not Measured	5.96	0.516	0.4	13.10	Cloudy	No Odor
1005	21.50	5.89	0.511	0.4	13.20	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-33D	Date	1/14/2011	Gallons Recovered	7.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1400	20.70	12.12	2.510	0.2	12.60	Cloudy	No Odor
1415	Not Measured	11.64	1.220	0.7	12.70	Clear	No Odor
1430	Not Measured	10.91	0.623	0.0	12.90	Clear	No Odor
1445	20.50	9.96	0.537	0.0	12.90	Clear	No Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-35S	Date	1/14/2011	Gallons Recovered	6		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1145	21.60	6.28	0.396	2.3	12.00	Light Brown	Slight Odor
1200	Not Measured	6.24	0.404	6.2	11.80	Light Brown	Slight Odor
1215	Not Measured	6.23	0.384	5.8	12.30	Cloudy	Slight Odor
1230	21.50	6.16	0.392	4.9	13.00	Clear	Slight Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-35D	Date	1/14/2011	Gallons Recovered	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1015	21.70	7.62	0.478	1.4	11.70	Gray	No Odor
1030	Not Measured	6.57	0.447	0.3	12.90	Light Brown	Slight Odor
1045	Not Measured	6.23	0.457	0.3	12.50	Light Brown	Slight Odor
1100	Not Measured	5.99	0.431	0.2	13.00	Cloudy	No Odor
1115	Not Measured	5.90	0.429	0.0	12.90	Cloudy	No Odor
1130	21.70	5.80	0.424	0.0	12.70	Clear	No Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-31D	Date	1/17/2011	Gallons Recovered	12		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1350	20.90	8.30	0.431	1.0	12.80	Brown	Slight Odor
1405	Not Measured	6.97	0.419	0.5	12.90	Light Brown	Slight Odor
1420	Not Measured	6.20	0.408	0.2	12.90	Light Brown	Slight Odor
1435	Not Measured	5.94	0.401	0.3	13.10	Cloudy	Slight Odor
1450	20.90	5.91	0.403	0.2	11.80	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-32S	Date	1/17/2011	Gallons Recovered	7		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1110	20.90	6.28	0.291	47.8	13.20	Light Brown	Strong Odor
1125	Not Measured	5.78	0.288	75.6	13.30	Cloudy	Strong Odor
1140	Not Measured	5.73	0.287	77.0	13.10	Cloudy	Strong Odor
1155	21.00	5.70	0.288	57.4	12.20	Clear	Strong Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-32D	Date	1/17/2011	Gallons Recovered	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
915	20.70	10.27	0.554	0.0	12.50	Brown	No Odor
930	Not Measured	8.06	0.506	0.0	11.40	Brown	No Odor
945	Not Measured	7.39	0.481	0.0	13.00	Cloudy	No Odor
1000	Not Measured	6.85	0.467	0.0	12.50	Cloudy	No Odor
1015	Not Measured	6.55	0.461	0.0	12.60	Cloudy	No Odor
1030	Not Measured	6.42	0.459	0.0	12.50	Cloudy	No Odor
1045	20.70	6.34	0.456	0.0	12.60	Clear	No Odor

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Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-29D	Date	1/18/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1410	19.80	7.06	0.377	1.8	13.80	Light Brown	Slight Odor
1425	Not Measured	5.80	0.373	0.7	13.80	Cloudy	Slight Odor
1440	Not Measured	5.71	0.371	0.3	13.80	Cloudy	Slight Odor
1455	19.60	5.67	0.371	0.4	13.80	Clear	Slight Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-30D	Date	1/18/2011	Gallons Recovered	11		
Time	DTW (ft bgs)	pH	Conductivity (mS/cm)	PID (ppm)	Temperature (°C)	Water Visual Condition	Odor
1000	20.50	11.64	1.280	1.4	13.10	Light Gray	Slight Odor
1015	Not Measured	7.94	0.453	0.3	13.10	Cloudy	Slight Odor
1030	Not Measured	6.76	0.440	0.0	13.10	Cloudy	Slight Odor
1045	Not Measured	6.30	0.439	0.0	12.30	Cloudy	Slight Odor
1100	20.50	6.34	0.425	0.0	13.40	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-31S	Date	1/18/2011	Gallons Recovered	6		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
900	20.80	6.09	0.320	38.7	13.20	Cloudy	Strong Odor
915	Not Measured	6.03	0.313	30.4	13.10	Cloudy	Strong Odor
930	20.70	6.04	0.318	28.3	13.30	Clear	Strong Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-31D	Date	1/17/2011	Gallons Recovered	12		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1350	20.90	8.30	0.431	1.0	12.80	Brown	Slight Odor
1405	Not Measured	6.97	0.419	0.5	12.90	Light Brown	Slight Odor
1420	Not Measured	6.20	0.408	0.2	12.90	Light Brown	Slight Odor
1435	Not Measured	5.94	0.401	0.3	13.10	Cloudy	Slight Odor
1450	20.90	5.91	0.403	0.2	11.80	Clear	Slight Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-28S	Date	1/19/2011	Gallons Recovered	13		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1340	19.70	6.18	0.466	28.4	13.90	Light Brown	Strong Odor
1355	Not Measured	6.46	0.492	37.9	14.10	Light Brown	Strong Odor
1410	Not Measured	6.46	0.490	40.8	14.10	Cloudy	Strong Odor
1425	Not Measured	6.47	0.489	37.8	14.10	Cloudy	Strong Odor
1440	19.70	6.47	0.489	16.1	14.10	Clear	Strong Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-28D	Date	1/19/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
955	19.80	7.77	0.421	5.1	13.80	Light Brown	Slight Odor
1010	Not Measured	6.13	0.387	2.1	14.00	Light Brown	Slight Odor
1025	Not Measured	5.90	0.383	0.7	13.80	Light Brown	Slight Odor
1040	Not Measured	5.78	0.380	2.1	13.80	Light Brown	Slight Odor
1055	Not Measured	5.68	0.377	0.3	13.80	Light Brown	Slight Odor
1110	Not Measured	5.65	0.376	0.2	13.70	Cloudy	Slight Odor
1125	Not Measured	5.59	0.373	0.2	13.70	Cloudy	Slight Odor
1140	Not Measured	5.55	0.369	1.8	13.80	Cloudy	Slight Odor
1155	19.70	5.56	0.372	1.2	13.80	Clear	Slight Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-29S	Date	1/19/2011	Gallons Recovered	7.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
900	19.70	5.94	0.465	166.8	11.40	Light Brown	Strong Odor
915	Not Measured	6.00	0.467	390.6	13.70	Cloudy	Strong Odor
930	19.70	6.01	0.465	397.7	13.80	Clear	Strong Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-26D	Date	1/20/2011	Gallons Recovered	13		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1355	19.60	11.44	1.040	0.9	13.70	Light Gray	No Odor
1410	Not Measured	7.78	0.446	0.0	13.90	Light Brown	No Odor
1425	Not Measured	7.01	0.426	0.0	14.00	Light Brown	No Odor
1440	Not Measured	6.46	0.413	0.0	13.90	Cloudy	No Odor
1455	19.50	6.42	0.407	0.0	13.90	Clear	No Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-27S	Date	1/20/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1210	19.40	6.19	0.578	36.0	14.00	Light Brown	Strong Odor
1225	Not Measured	6.55	0.614	57.3	14.10	Cloudy	Strong Odor
1240	Not Measured	6.54	0.619	38.6	14.10	Cloudy	Strong Odor
1255	19.40	6.57	0.624	34.8	14.00	Clear	Strong Odor

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Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-27D	Date	1/20/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1025	19.30	6.73	0.434	3.8	13.70	Brown	Slight Odor
1040	Not Measured	5.92	0.388	3.7	14.10	Light Brown	Slight Odor
1055	Not Measured	5.76	0.382	0.2	14.10	Cloudy	Slight Odor
1110	Not Measured	5.65	0.378	1.7	14.10	Cloudy	Slight Odor
1125	Not Measured	5.58	0.377	0.6	14.10	Cloudy	Slight Odor
1140	19.20	5.54	0.375	0.2	14.10	Clear	Slight Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-24S	Date	1/24/2011	Gallons Recovered	8		
Time	DTW (ft bgs)	pH	Conductivity (mS/cm)	PID (ppm)	Temperature (°C)	Water Visual Condition	Odor
1355	21.60	6.17	0.442	87.4	13.30	Dark Gray	Strong Odor
1410	Not Measured	6.38	0.482	83.7	14.10	Cloudy	Strong Odor
1425	Not Measured	6.37	0.493	105.7	14.20	Clear	Strong Odor
1440	21.60	6.37	0.496	169.2	14.10	Clear	Strong Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-24D	Date	1/24/2011	Gallons Recovered	12		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1130	23.30	8.10	0.401	0.0	13.00	Gray	No Odor
1135	Not Measured	6.47	0.458	0.0	13.50	Light Gray	No Odor
1150	Not Measured	6.02	0.450	0.0	13.40	Cloudy	No Odor
1205	Not Measured	5.91	0.447	0.0	13.10	Cloudy	No Odor
1220	Not Measured	5.81	0.443	0.0	13.10	Cloudy	No Odor
1235	23.20	5.78	0.442	0.0	13.10	Clear	No Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-25S	Date	1/24/2011	Gallons Recovered	9		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1030	19.80	5.91	0.442	37.8	14.00	Brown	Strong Odor
1045	Not Measured	5.95	0.443	34.5	14.10	Cloudy	Strong Odor
1100	19.80	5.95	0.442	50.3	14.10	Clear	Strong Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-25D	Date	1/24/2011	Gallons Recovered	12.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
910	19.90	6.33	0.473	0.0	12.80	Light Brown	No Odor
925	Not Measured	5.76	0.464	0.0	13.20	Light Brown	No Odor
940	Not Measured	5.66	0.444	0.0	12.70	Light Brown	No Odor
955	Not Measured	5.58	0.461	0.0	13.40	Cloudy	No Odor
1010	19.80	5.53	0.460	0.0	13.20	Clear	No Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-22S	Date	1/25/2011	Gallons Recovered	5		
Time	DTW (ft bgs)	pH	Conductivity (mS/cm)	PID (ppm)	Temperature (°C)	Water Visual Condition	Odor
1420	24.70	6.50	1.170	334.4	13.10	Cloudy	Strong Odor
1435	Not Measured	6.72	1.230	415.9	14.70	Cloudy	Strong Odor
1450	24.70	6.73	1.220	305.8	14.70	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-22D	Date	1/25/2011	Gallons Recovered	16		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1205	24.60	7.02	0.439	2.7	12.90	Gray	Slight Odor
1220	Not Measured	6.05	0.408	1.6	14.10	Light Gray	Slight Odor
1235	Not Measured	5.82	0.412	1.6	14.20	Cloudy	Slight Odor
1250	Not Measured	5.74	0.400	1.4	14.10	Cloudy	Slight Odor
1305	Not Measured	5.69	0.395	1.3	14.00	Cloudy	Slight Odor
1320	Not Measured	5.72	0.398	1.2	14.00	Clear	Slight Odor

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Hempstead Intersection Street
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Well Id	OW-1-23S	Date	1/25/2011	Gallons Recovered	4		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1045	25.00	6.38	0.508	278.6	12.10	Light Brown	Strong Odor
1100	Not Measured	6.66	0.526	293.6	13.30	Cloudy	Strong Odor
1115	Not Measured	6.61	0.524	Not Measured	13.90	Clear	Strong Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-23D	Date	1/25/2011	Gallons Recovered	18		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
900	25.00	7.54	0.436	0.4	13.80	Gray	No Odor
915	Not Measured	5.85	0.399	0.0	14.10	Light Gray	No Odor
930	Not Measured	5.64	0.392	0.0	14.10	Cloudy	No Odor
945	Not Measured	5.58	0.389	0.0	14.10	Cloudy	No Odor
1000	Not Measured	5.52	0.386	0.0	14.10	Cloudy	No Odor
1015	Not Measured	5.51	0.384	0.0	14.00	Cloudy	No Odor
1030	24.90	5.50	0.382	0.0	14.10	Clear	No Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-20D	Date	1/26/2011	Gallons Recovered	7.5		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1415	21.40	9.01	0.513	1.6	13.00	Gray	Slight Odor
1430	Not Measured	7.60	0.422	0.8	13.30	Light Brown	Slight Odor
1445	Not Measured	6.58	0.399	0.0	13.20	Cloudy	Slight Odor
1500	21.40	6.55	0.392	0.0	13.20	Clear	Slight Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-21S	Date	1/26/2011	Gallons Recovered	12		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1145	21.50	6.90	0.578	154.9	14.30	Gray	Strong Odor
1200	Not Measured	6.52	0.627	308.3	14.30	Cloudy	Strong Odor
1215	Not Measured	6.53	0.637	448.7	14.50	Cloudy	Strong Odor
1230	21.60	6.53	0.629	277.4	14.20	Clear	Strong Odor

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Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-21D	Date	1/26/2011	Gallons Recovered	14		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
955	21.60	9.32	0.900	0.0	14.10	Brown	Slight Odor
1010	Not Measured	7.38	1.050	0.0	14.10	Light Brown	Slight Odor
1025	Not Measured	6.44	0.510	0.0	14.10	Light Brown	Slight Odor
1040	Not Measured	6.05	0.432	0.0	14.30	Cloudy	Slight Odor
1055	Not Measured	5.86	0.408	0.0	14.30	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-19S	Date	2/1/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1355	21.10	6.29	0.493	11.0	13.10	Gray	Slight Odor
1410	Not Measured	6.15	0.488	4.2	13.50	Cloudy	Slight Odor
1425	Not Measured	6.12	0.487	5.9	13.20	Cloudy	Slight Odor
1440	21.10	6.08	0.478	3.9	13.40	Clear	Slight Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-19D	Date	2/1/2011	Gallons Recovered	8		
Time	DTW (ft bgs)	pH	Conductivity (mS/cm)	PID (ppm)	Temperature (°C)	Water Visual Condition	Odor
1145	21.00	9.40	0.412	0.0	12.00	Light Brown	No Odor
1200	Not Measured	7.87	0.375	0.0	12.80	Light Brown	No Odor
1215	Not Measured	6.58	0.362	0.0	13.00	Cloudy	No Odor
1230	Not Measured	6.53	0.360	0.0	13.20	Cloudy	No Odor
1245	21.10	6.47	0.356	0.0	13.30	Clear	No Odor

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Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-20S	Date	2/1/2011	Gallons Recovered	6		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1040	21.40	6.71	0.505	16.6	13.10	Gray	Strong Odor
1055	Not Measured	6.01	0.494	18.2	13.70	Cloudy	Strong Odor
1110	21.50	5.96	0.491	15.1	13.80	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-17S	Date	2/2/2011	Gallons Recovered	11		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1330	22.30	6.61	0.480	0.0	13.90	Gray	Slight Odor
1345	Not Measured	6.21	0.505	0.2	14.10	Light Brown	Slight Odor
1400	Not Measured	6.20	0.509	0.0	14.30	Cloudy	Slight Odor
1415	Not Measured	6.21	0.507	0.0	14.20	Cloudy	Slight Odor
1430	22.30	6.21	0.504	0.0	14.20	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-18S	Date	2/2/2011	Gallons Recovered	6		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1140	21.70	6.19	0.530	0.9	13.50	Gray	Strong Odor
1155	Not Measured	6.30	0.521	1.0	14.00	Cloudy	Strong Odor
1210	21.70	6.32	0.518	0.8	14.10	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-18D	Date	2/2/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
930	21.50	7.77	0.368	0.2	13.10	Light Gray	No Odor
945	Not Measured	5.94	0.331	0.0	13.70	Light Gray	No Odor
1000	Not Measured	5.72	0.327	0.0	13.90	Light Gray	No Odor
1015	Not Measured	5.66	0.323	0.0	13.80	Cloudy	No Odor
1030	Not Measured	5.62	0.321	0.0	13.90	Cloudy	No Odor
1045	Not Measured	5.59	0.320	0.0	14.00	Cloudy	No Odor
1100	Not Measured	5.58	0.318	0.0	14.10	Cloudy	No Odor
1115	21.60	5.56	0.318	0.0	14.10	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-16S	Date	2/3/2011	Gallons Recovered	1		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1145	21.80	6.74	0.307	2.2	13.60	Light Gray	Strong Odor
1200	Not Measured	6.76	0.378	1.8	11.10	Cloudy	Strong Odor
1215	49.20	Well went Dry					

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-16D	Date	2/3/2011	Gallons Recovered	11		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1335	21.60	6.61	0.370	0.2	12.90	Gray	Slight Odor
1350	Not Measured	6.63	0.389	0.0	14.10	Light Brown	Slight Odor
1405	Not Measured	6.40	0.388	0.0	14.20	Light Brown	Slight Odor
1420	Not Measured	6.23	0.388	0.0	14.10	Cloudy	Slight Odor
1435	21.60	6.21	0.389	0.0	14.20	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-17D	Date	2/3/2011	Gallons Recovered	16		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
910	22.80	7.38	0.532	0.0	12.40	Light Brown	No Odor
925	Not Measured	5.89	0.329	0.0	12.80	Light Brown	No Odor
940	Not Measured	5.73	0.323	0.0	12.70	Cloudy	No Odor
1025	Not Measured	5.65	0.305	0.0	12.10	Cloudy	No Odor
1040	Not Measured	6.48	0.318	0.0	11.50	Cloudy	No Odor
1055	Not Measured	6.86	0.336	0.0	12.90	Cloudy	No Odor
1110	Not Measured	6.81	0.350	0.0	13.00	Cloudy	No Odor
1125	22.80	6.78	0.351	0.0	13.20	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-15S	Date	2/4/2011	Gallons Recovered	8		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1145	21.50	6.74	0.581	18.7	13.90	Light Brown	Strong Odor
1200	Not Measured	6.57	0.573	18.5	14.10	Cloudy	Strong Odor
1215	Not Measured	6.55	0.578	27.5	14.00	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-15D	Date	2/4/2011	Gallons Recovered	16		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
900	21.50	7.16	1.230	0.0	13.70	Brown	No Odor
915	Not Measured	6.92	0.900	0.0	13.30	Light Brown	No Odor
930	Not Measured	6.89	0.735	0.0	13.80	Light Brown	No Odor
945	Not Measured	6.82	0.976	0.0	13.80	Cloudy	No Odor
1000	Not Measured	6.79	0.365	0.0	13.30	Cloudy	No Odor
1015	21.60	6.75	0.362	0.0	13.80	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-14S	Date	2/7/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
940	21.30	3.46	0.360	0.7	14.10	Brown	No Odor
955	Not Measured	3.46	0.337	0.0	14.20	Light Brown	No Odor
1010	Not Measured	3.33	0.323	0.0	14.10	Light Brown	No Odor
1050	Not Measured	2.70	0.325	0.0	13.80	Light Brown	No Odor
1105	Not Measured	2.97	0.309	0.0	14.10	Cloudy	No Odor
1120	Not Measured	3.05	0.306	0.0	14.30	Cloudy	No Odor
1135	Not Measured	3.18	0.305	0.0	14.20	Cloudy	No Odor
1150	Not Measured	3.28	0.307	0.0	14.40	Cloudy	No Odor
1205	Not Measured	3.28	0.324	0.0	14.30	Cloudy	No Odor
1220	21.40	3.26	0.321	0.0	14.30	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-14D	Date	2/4/2011	Gallons Recovered	8		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1400	21.30	6.90	0.438	3.4	13.40	Light Brown	Slight Odor
1415	Not Measured	6.77	0.523	5.3	13.80	Cloudy	Slight Odor
1430	Not Measured	6.74	0.526	2.2	13.90	Cloudy	Slight Odor
1445	21.30	6.68	0.525	3.7	14.00	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-13S	Date	2/7/2011	Gallons Recovered	7		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1350	21.40	3.49	0.505	23.8	14.70	Light Brown	Strong Odor
1405	Not Measured	3.67	0.520	23.4	14.70	Cloudy	Strong Odor
1420	21.40	3.62	0.521	23.1	14.60	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-13D	Date	2/8/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
900	21.10	3.63	0.439	0.5	14.00	Gray	Slight Odor
915	Not Measured	2.65	0.612	2.5	14.20	Light Brown	Slight Odor
930	Not Measured	3.43	0.302	3.0	14.20	Light Brown	Slight Odor
945	Not Measured	3.57	0.324	1.9	14.30	Light Brown	Slight Odor
1000	Not Measured	3.51	0.329	2.2	14.20	Light Brown	Slight Odor
1100	Not Measured	2.38	0.289	1.8	14.00	Cloudy	Slight Odor
1115	Not Measured	3.23	0.302	1.3	14.10	Cloudy	Slight Odor
1130	21.20	3.29	0.313	0.8	14.00	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-12S	Date	2/8/2011	Gallons Recovered	11		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1335	21.40	3.81	0.369	20.1	14.10	Brown	Strong Odor
1350	Not Measured	3.09	0.427	30.0	14.60	Cloudy	Strong Odor
1405	Not Measured	3.17	0.425	41.7	14.40	Cloudy	Strong Odor
1420	21.40	3.20	0.423	27.6	14.40	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-12D	Date	2/9/2011	Gallons Recovered	25		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1000	21.90	2.93	0.518	0.0	13.20	Light Brown	Slight Odor
1015	Not Measured	2.94	0.900	0.0	13.00	Light Brown	Slight Odor
1030	Not Measured	3.35	0.397	0.0	13.40	Light Brown	Slight Odor
1045	Not Measured	3.81	0.374	0.0	13.40	Light Brown	Slight Odor
1100	Not Measured	4.01	0.388	0.0	13.60	Light Brown	Slight Odor
1115	Not Measured	4.04	0.353	0.0	13.70	Cloudy	Slight Odor
1130	Not Measured	4.12	0.347	0.0	13.70	Cloudy	Slight Odor
1145	Not Measured	4.29	0.339	0.0	13.70	Cloudy	Slight Odor
1200	Not Measured	4.04	0.333	0.0	13.70	Cloudy	Slight Odor
1215	Batteries Died						
1230	Not Measured	4.22	0.328	0.0	13.80	Cloudy	Slight Odor
1245	22.00	4.37	0.326	0.0	13.80	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-11D	Date	2/9/2011	Gallons Recovered	15		
Time	DTW (ft bgs)	pH	Conductivity (mS/cm)	PID (ppm)	Temperature (°C)	Water Visual Condition	Odor
1330	21.90	4.40	0.338	0.0	13.40	Light Brown	Slight Odor
1345	Not Measured	4.32	0.999	0.0	13.40	Light Brown	Slight Odor
1400	Not Measured	4.35	0.900	0.0	13.40	Cloudy	Slight Odor
1415	Not Measured	4.18	0.733	0.0	13.40	Cloudy	Slight Odor
1430	Not Measured	4.23	0.315	0.0	13.30	Cloudy	Slight Odor
1445	Not Measured	4.21	0.313	0.0	13.30	Cloudy	Slight Odor
1500	Not Measured	4.18	0.309	0.0	13.10	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-11S	Date	2/10/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1000	22.10	5.05	0.486	0.1	13.80	Light Brown	No Odor
1015	Not Measured	5.11	0.465	0.0	13.90	Clear	No Odor
1030	22.10	5.09	0.463	0.0	13.90	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-11D	Date	2/9/2011	Gallons Recovered	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1330	21.90	4.40	0.338	0.0	13.40	Light Brown	Slight Odor
1345	Not Measured	4.32	0.999	0.0	13.40	Light Brown	Slight Odor
1400	Not Measured	4.35	0.900	0.0	13.40	Cloudy	Slight Odor
1415	Not Measured	4.18	0.733	0.0	13.40	Cloudy	Slight Odor
1430	Not Measured	4.23	0.315	0.0	13.30	Cloudy	Slight Odor
1445	Not Measured	4.21	0.313	0.0	13.30	Cloudy	Slight Odor
1500	Not Measured	4.18	0.309	0.0	13.10	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-10S	Date	2/10/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1410	24.80	4.45	0.389	1.3	14.50	Light Brown	No Odor
1425	Not Measured	3.42	0.394	0.6	14.50	Clear	No Odor
1440	24.80	3.46	0.408	0.5	14.50	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-8S	Date	2/11/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1200	27.40	4.27	0.319	0.1	13.10	Cloudy	Slight Odor
1215	Not Measured	4.15	0.999	0.6	14.40	Clear	Slight Odor
1230	Not Measured	4.12	0.999	0.1	14.40	Clear	Slight Odor
1245	27.40	3.98	0.999	0.1	14.40	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-8D	Date	2/11/2011	Gallons Recovered	18		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1015	27.60	3.94	0.343	0.2	13.40	Light Brown	No Odor
1030	Not Measured	4.16	0.319	0.3	13.90	Cloudy	No Odor
1045	Not Measured	4.11	0.337	0.2	14.20	Cloudy	No Odor
1100	Not Measured	4.18	0.384	0.1	14.20	Cloudy	No Odor
1115	Not Measured	4.34	0.403	0.2	14.00	Cloudy	No Odor
1130	27.70	4.27	0.392	0.0	14.00	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-7D	Date	2/11/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1325	24.10	4.06	0.486	0.0	12.60	Gray	No Odor
1340	Not Measured	4.09	0.480	0.0	14.30	Light Brown	No Odor
1355	Not Measured	4.21	0.971	0.0	14.40	Light Brown	No Odor
1410	Not Measured	4.26	0.999	0.0	14.30	Light Brown	No Odor
1425	Not Measured	4.29	0.999	0.0	14.30	Cloudy	No Odor
1440	27.50	4.23	0.999	0.0	14.40	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-6S	Date	2/14/2011	Gallons Recovered	13		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1020	27.80	4.17	0.696	0.0	14.40	Light Brown	No Odor
1035	Not Measured	3.80	0.652	0.0	14.50	Clear	No Odor
1050	Not Measured	3.27	0.595	0.0	14.60	Clear	No Odor
1105	Not Measured	3.91	0.575	0.0	14.70	Clear	No Odor
1120	Not Measured	4.21	0.569	0.0	14.70	Clear	No Odor
1135	Not Measured	4.28	0.578	0.0	14.70	Clear	No Odor
1150	27.60	4.29	0.573	0.0	14.90	Clear	No Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-6D	Date	2/14/2011	Gallons Recovered	23		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1220	27.50	4.28	0.324	3.8	14.90	Light Brown	Strong Odor
1235	Not Measured	3.40	0.272	3.8	14.80	Light Brown	Strong Odor
1250	Not Measured	4.24	0.275	3.0	14.80	Light Brown	Strong Odor
1305	Not Measured	3.46	0.274	3.8	14.80	Light Brown	Strong Odor
1320	Not Measured	4.22	0.268	4.7	14.80	Cloudy	Strong Odor
1335	Not Measured	4.21	0.268	3.8	14.80	Cloudy	Strong Odor
1350	Not Measured	3.63	0.260	3.7	14.80	Cloudy	Strong Odor
1405	Not Measured	3.56	0.256	4.0	14.80	Clear	Strong Odor
1420	27.50	3.67	0.251	3.8	14.80	Clear	Strong Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-9S	Date	2/15/2011	Gallons Recovered	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
925	26.80	3.93	0.330	2.5	14.30	Light Brown	Strong Odor
940	Not Measured	4.12	0.486	4.8	14.30	Light Brown	Strong Odor
955	Not Measured	4.20	0.375	4.8	14.50	Clear	Strong Odor
1010	Not Measured	4.20	0.370	4.7	14.60	Clear	Strong Odor
1025	26.80	4.30	0.364	4.6	14.80	Clear	Strong Odor

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SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-9D	Date	2/15/2011	Gallons Recovered	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1045	26.30	4.31	0.322	0.5	13.70	Gray	Slight Odor
1100	Not Measured	4.32	0.348	0.3	14.10	Light Brown	Slight Odor
1115	Not Measured	4.31	0.346	1.1	14.10	Cloudy	Slight Odor
1130	Not Measured	4.33	0.345	1.0	14.10	Cloudy	Slight Odor
1145	Not Measured	4.35	0.344	1.1	14.00	Cloudy	Slight Odor
1200	26.40	4.36	0.345	1.1	14.00	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-5D	Date	2/15/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1400	27.80	4.48	0.319	0.9	13.40	Light Brown	Slight Odor
1415	Not Measured	4.48	0.310	0.6	13.60	Light Brown	Slight Odor
1430	Not Measured	4.47	0.302	0.5	13.60	Cloudy	Slight Odor
1445	27.70	4.48	0.308	0.5	13.60	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-5D	Date	2/15/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1400	27.80	4.48	0.319	0.9	13.40	Light Brown	Slight Odor
1415	Not Measured	4.48	0.310	0.6	13.60	Light Brown	Slight Odor
1430	Not Measured	4.47	0.302	0.5	13.60	Cloudy	Slight Odor
1445	27.70	4.48	0.308	0.5	13.60	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-4	Date	2/16/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1030	28.50	4.49	0.283	0.0	13.90	Light Brown	No Odor
1045	Not Measured	4.52	0.262	0.0	13.80	Light Brown	No Odor
1100	Not Measured	4.54	0.246	0.0	13.80	Light Brown	No Odor
1115	Not Measured	4.55	0.237	0.0	13.90	Cloudy	No Odor
1130	Not Measured	4.59	0.233	0.0	14.00	Cloudy	No Odor
1145	28.70	4.61	0.231	0.0	14.00	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-3	Date	2/16/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1245	28.80	4.66	0.282	0.1	14.00	Light Brown	No Odor
1300	Not Measured	4.68	0.316	0.1	14.00	Light Brown	No Odor
1315	Not Measured	4.68	0.521	0.0	13.90	Cloudy	No Odor
1330	Not Measured	4.68	0.467	0.0	14.00	Cloudy	No Odor
1345	Not Measured	4.71	0.286	0.0	14.00	Cloudy	No Odor
1400	Not Measured	4.67	0.277	0.0	14.00	Clear	No Odor
1415	28.90	4.72	0.276	0.0	14.00	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-42S	Date	2/17/2011	Gallons Recovered	8		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1400	22.10	5.04	0.216	0.0	14.60	Cloudy	No Odor
1415	Not Measured	5.02	0.215	0.0	14.60	Clear	No Odor
1430	22.20	5.02	0.223	0.0	14.50	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-38S	Date	2/18/2011	Gallons Recovered	9		
Time	DTW (ft bgs)	pH	Conductivity (mS/cm)	PID (ppm)	Temperature (°C)	Water Visual Condition	Odor
910	21.50	5.02	0.497	5.0	13.80	Cloudy	Strong Odor
925	Not Measured	5.03	0.508	3.5	14.00	Clear	Strong Odor
940	21.60	5.02	0.499	3.5	14.10	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-38D	Date	2/18/2011	Gallons Recovered	12		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1035	21.50	5.11	0.788	0.5	13.50	Cloudy	No Odor
1050	Not Measured	5.03	0.521	0.1	11.70	Clear	No Odor
1105	Not Measured	4.98	0.533	0.1	11.40	Clear	No Odor
1120	21.30	4.99	0.546	0.1	11.40	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-34D	Date	2/17/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1105	20.50	4.90	0.510	0.5	13.40	Light Brown	No Odor
1120	Not Measured	4.90	0.581	0.0	13.90	Light Brown	No Odor
1135	Not Measured	4.89	0.712	0.0	14.00	Light Brown	No Odor
1150	Not Measured	4.98	0.701	0.0	14.00	Light Brown	No Odor
1205	Not Measured	4.97	0.693	0.0	14.00	Cloudy	No Odor
1220	20.70	4.95	0.687	0.0	14.00	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-41D	Date	2/22/2011	Gallons Recovered	22		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1025	21.50	4.31	0.651	0.0	11.70	Light Gray	Slight Odor
1040	Not Measured	4.46	0.618	0.0	12.80	Cloudy	Slight Odor
1055	Not Measured	4.51	0.577	0.0	12.70	Cloudy	Slight Odor
1110	Not Measured	4.45	0.520	0.0	12.60	Cloudy	Slight Odor
1125	Not Measured	4.52	0.524	0.0	12.70	Cloudy	Slight Odor
1140	Not Measured	4.55	0.523	0.0	12.80	Cloudy	Slight Odor
1155	21.70	4.60	0.525	0.0	12.80	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-33S	Date	2/22/2011	Gallons Recovered	11		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1340	20.20	4.77	0.511	151.1	13.90	Gray	Slight Odor
1355	Not Measured	4.76	0.451	92.2	13.90	Light Brown	Slight Odor
1410	Not Measured	4.75	0.444	74.3	13.40	Cloudy	Slight Odor
1425	20.30	4.75	0.441	67.4	13.70	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-16SR	Date	3/30/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1000	20.10	5.02	0.529	32.4	13.90	Light Gray	Slight Odor
1015	Not Measured	4.92	0.610	18.6	13.90	Cloudy	Slight Odor
1030	Not Measured	4.94	0.562	13.3	14.00	Cloudy	Slight Odor
1045	20.20	4.93	0.567	11.5	14.10	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-8	Date	3/2/2011	Gallons Recovered	42		
Time	DTW (ft bgs)	pH	Conductivity (mS/cm)	PID (ppm)	Temperature (°C)	Water Visual Condition	Odor
1045	23.30	4.49	1.470	2.4	15.10	Brown	Slight Odor
1100	Not Measured	4.55	2.090	2.9	15.20	Clear	Slight Odor
1115	23.50	4.60	1.980	3.1	15.20	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-4S	Date	3/2/2011	Gallons Recovered	55		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1410	22.10	4.74	0.224	27.8	14.90	Gray	Strong Odor
1425	Not Measured	4.72	0.346	39.5	15.20	Clear	Strong Odor
1440	22.30	4.70	0.341	31.4	15.30	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-4D	Date	3/2/2011	Gallons Recovered	50		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1230	22.00	4.53	0.467	38.8	15.00	Gray	Strong Odor
1245	22.10	4.67	0.651	21.8	15.10	Cloudy	Strong Odor
1300	22.10	4.69	0.646	21.8	15.10	Clear	Strong Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-2S	Date	3/4/2011	Gallons Recovered	55		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
915	21.60	4.91	0.937	0.4	15.20	Brown	Slight Odor
930	Not Measured	4.77	0.860	6.5	15.30	Clear	Slight Odor
945	21.70	4.78	0.863	5.3	15.40	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-2D	Date	3/4/2011	Gallons Recovered	55		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1045	21.20	4.81	0.737	5.3	14.60	Brown	Slight Odor
1100	Not Measured	4.56	0.658	2.4	15.10	Cloudy	Slight Odor
1115	21.40	4.62	0.655	Not Measured	15.10	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-1S	Date	3/4/2011	Gallons Recovered	55		
Time	DTW (ft bgs)	pH	Conductivity (mS/cm)	PID (ppm)	Temperature (°C)	Water Visual Condition	Odor
1245	27.10	4.76	0.332	0.6	15.60	Light Brown	No Odor
1300	Not Measured	4.71	0.308	0.7	15.80	Clear	No Odor
1315	27.30	4.79	0.313	0.7	15.80	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-2	Date	3/9/2011	Gallons Recovered	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1030	26.30	5.54	0.501	0.0	13.40	Light Brown	No Odor
1045	Not Measured	5.16	0.530	0.0	13.50	Light Brown	No Odor
1100	Not Measured	5.13	0.520	0.0	13.60	Light Brown	No Odor
1115	Not Measured	5.08	0.512	0.0	13.60	Cloudy	No Odor
1130	Not Measured	5.07	0.498	0.0	13.80	Cloudy	No Odor
1145	26.10	5.05	0.489	0.0	13.80	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-1	Date	3/9/2011	Gallons Recovered	20		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1245	26.60	5.42	0.388	0.0	13.20	Light Brown	No Odor
1300	Not Measured	5.15	0.432	0.0	13.60	Light Brown	No Odor
1315	Not Measured	5.12	0.445	0.0	13.70	Light Brown	No Odor
1330	Not Measured	5.16	0.453	0.0	13.70	Cloudy	No Odor
1345	Not Measured	5.13	0.455	0.0	13.70	Cloudy	No Odor
1400	Not Measured	5.11	0.454	0.0	13.70	Cloudy	No Odor
1415	26.30	5.17	0.460	0.0	13.70	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-5	Date	3/11/2011	Gallons Recovered	100		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1200	Not Measured	5.10	0.494	0.0	15.20	Light Brown	No Odor
1215	Not Measured	5.15	0.500	0.0	15.60	Cloudy	No Odor
1230	Not Measured	5.25	0.489	0.0	15.60	Cloudy	No Odor
1245	Not Measured	5.20	0.473	0.0	15.60	Cloudy	No Odor
1300	Not Measured	5.23	0.476	0.0	15.60	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-1-1S	Date	3/4/2011	Gallons Recovered	55		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1245	27.10	4.76	0.332	0.6	15.60	Light Brown	No Odor
1300	Not Measured	4.71	0.308	0.7	15.80	Clear	No Odor
1315	27.30	4.79	0.313	0.7	15.80	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-51R	Date	3/30/2011	Gallons Recovered	8		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1145	22.00	5.12	0.423	0.0	14.90	Brown	No Odor
1200	Not Measured	5.04	0.389	0.0	14.80	Cloudy	No Odor
1215	22.10	5.03	0.382	0.0	14.80	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-26SR	Date	3/30/2011	Gallons Recovered	6		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1255	18.10	5.18	0.419	14.7	14.40	Brown	Slight Odor
1310	Not Measured	5.15	0.407	16.1	14.40	Cloudy	Slight Odor
1325	18.30	5.14	0.404	8.6	14.40	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-1-16SR	Date	3/30/2011	Gallons Recovered	10		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1000	20.10	5.02	0.529	32.4	13.90	Light Gray	Slight Odor
1015	Not Measured	4.92	0.610	18.6	13.90	Cloudy	Slight Odor
1030	Not Measured	4.94	0.562	13.3	14.00	Cloudy	Slight Odor
1045	20.20	4.93	0.567	11.5	14.10	Clear	Slight Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	HIMW-23	Date	5/2/2011	Gallons Recovered	60		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1230	30.60	6.30	0.873	Not Measured	15.57	Cloudy	No Odor
1245	29.80	6.90	0.822	Not Measured	15.57	Clear	No Odor
1300	29.80	6.99	0.774	Not Measured	15.36	Clear	No Odor
1315	29.80	7.03	0.746	Not Measured	15.57	Clear	No Odor
1330	29.80	7.08	0.748	Not Measured	15.60	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	HIMW-25	Date	5/2/2011	Gallons Recovered	60		
Time	DTW (ft bgs)	pH	Conductivity (mS/cm)	PID (ppm)	Temperature (°C)	Water Visual Condition	Odor
1030	16.10	6.35	0.607	Not Measured	15.28	Cloudy	No Odor
1045	16.30	6.47	0.581	Not Measured	15.25	Clear	No Odor
1100	16.30	6.44	0.582	Not Measured	15.22	Clear	No Odor
1115	16.30	6.40	0.575	Not Measured	15.23	Clear	No Odor
1130	16.30	6.37	0.570	Not Measured	15.21	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	HIMW-24	Date	5/2/2011	Gallons Recovered	70		
Time	DTW (ft bgs)	pH	Conductivity (mS/cm)	PID (ppm)	Temperature (°C)	Water Visual Condition	Odor
845	13.80	5.35	0.512	Not Measured	15.31	Cloudy	No Odor
900	13.80	5.62	0.509	Not Measured	15.29	Clear	No Odor
915	13.80	5.99	0.488	Not Measured	15.34	Clear	No Odor
930	13.80	5.99	0.480	Not Measured	15.36	Clear	No Odor
945	13.80	6.02	0.478	Not Measured	15.39	Clear	No Odor
1000	13.80	6.03	0.477	Not Measured	15.39	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	HIMW-22	Date	5/5/2011	Gallons Recovered	60		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Odor**
1030	29.10	5.82	0.226	0.0	16.05	Cloudy	No Odor
1045	29.10	6.23	0.220	0.0	16.09	Cloudy	No Odor
1100	29.10	6.34	0.217	0.0	16.13	Clear	No Odor
1115	29.10	6.39	0.216	0.0	16.10	Clear	No Odor

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-41	Date	7/12/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1300	Not Measured	7.72	0.442	0.4	18.44
1315	Not Measured	6.32	0.488	0.2	18.46
1330	Not Measured	6.17	0.525	0.1	18.39
1345	Not Measured	6.48	0.528	0.1	18.43
1400	Not Measured	6.36	0.529	0.0	18.68
1415	Not Measured	6.41	0.527	0.0	18.45
1430	Not Measured	6.41	0.525	0.0	18.59
1445	Not Measured	6.37	0.524	0.0	18.66

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-42	Date	7/12/2010	Gallons Recovered	15
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1100	Not Measured	6.38	0.695	0.3	19.49
1115	Not Measured	6.31	0.686	0.2	18.43
1130	Not Measured	6.24	0.741	0.1	18.84
1145	Not Measured	6.35	0.735	0.2	20.12
1200	Not Measured	6.33	0.730	0.3	20.63
1215	Not Measured	6.27	0.726	0.1	19.24
1230	Not Measured	6.27	0.723	0.1	19.62

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-43	Date	7/12/2010	Gallons Recovered	15
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0900	Not Measured	11.63	1.080	1.2	17.90
0915	Not Measured	7.03	0.683	0.1	17.28
0930	Not Measured	6.49	0.652	0.1	17.15
0945	Not Measured	6.41	0.634	0.1	17.09
1000	Not Measured	6.46	0.628	0.1	17.10
1015	Not Measured	6.42	0.612	0.0	16.76
1030	Not Measured	6.42	0.608	0.0	16.80

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-44	Date	7/12/2010	Gallons Recovered	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
	Refusal @ 10 feet				

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-38	Date	7/13/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1230	Not Measured	10.01	0.461	0.2	21.22
1245	Not Measured	11.03	0.521	0.2	20.63
1300	Not Measured	7.46	0.448	0.1	17.90
1315	Not Measured	6.75	0.420	0.1	18.09
1330	Not Measured	6.54	0.415	0.1	18.16
1345	Not Measured	6.53	0.418	0.0	18.36
1400	Not Measured	6.55	0.420	0.1	18.18
1415	Not Measured	6.41	0.407	0.0	18.42
1430	Not Measured	6.43	0.406	0.0	18.30
1445	Not Measured	6.46	0.408	0.0	18.08

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SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-39	Date	7/13/2010	Gallons Recovered	15
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1045	Not Measured	9.53	0.306	0.4	17.84
1100	Not Measured	7.24	0.507	0.1	16.85
1115	Not Measured	6.90	0.486	0.0	17.52
1130	Not Measured	6.82	0.474	0.0	17.53
1145	Not Measured	6.75	0.464	0.2	17.28
1200	Not Measured	6.69	0.457	0.1	17.32
1215	Not Measured	6.67	0.453	0.0	17.59

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-40	Date	7/13/2010	Gallons Recovered	15
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0845	Not Measured	10.69	0.389	0.4	22.85
0900	Not Measured	10.55	0.366	0.3	19.15
0915	Not Measured	8.56	0.398	0.0	21.18
0930	Not Measured	7.24	0.455	0.0	21.59
0945	Not Measured	6.81	0.434	0.0	21.12
1000	Not Measured	6.63	0.424	0.0	22.06
1015	Not Measured	6.64	0.423	0.0	19.68

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-35	Date	7/14/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1300	Not Measured	9.72	0.738	0.1	16.59
1315	Not Measured	9.36	0.813	0.5	16.86
1330	Not Measured	7.53	0.746	0.1	17.19
1345	Not Measured	7.10	0.640	0.0	17.18
1400	Not Measured	6.87	0.588	0.0	17.20
1415	Not Measured	6.76	0.563	0.0	17.08
1430	Not Measured	6.69	0.541	0.0	17.34
1500	Not Measured	6.63	0.528	0.0	17.30

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-36	Date	7/14/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1045	Not Measured	11.53	0.995	1.6	18.74
1100	Not Measured	11.15	0.741	1.4	16.62
1115	Not Measured	10.02	0.599	0.3	18.61
1130	Not Measured	9.32	0.585	0.3	19.98
1145	Not Measured	8.77	0.573	0.1	19.33
1200	Not Measured	7.74	0.563	0.1	19.34
1215	Not Measured	7.37	0.564	0.0	19.08
1230	Not Measured	7.21	0.555	0.0	19.09
1245	Not Measured	7.07	0.553	0.1	19.00

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-37	Date	7/14/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0830	Not Measured	11.90	1.530	0.9	17.30
0845	Not Measured	6.85	0.398	0.1	17.34
0900	Not Measured	6.40	0.388	0.1	16.82
0915	Not Measured	6.27	0.385	0.0	16.82
0930	Not Measured	6.35	0.384	0.1	16.78
0945	Not Measured	6.42	0.383	0.3	16.71
1000	Not Measured	6.41	0.381	0.1	16.64
1015	Not Measured	6.44	0.380	0.1	16.93

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-33	Date	7/15/2010	Gallons Recovered	25
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1300	Not Measured	8.94	0.215	0.1	16.98
1315	Not Measured	7.01	0.348	0.0	16.10
1330	Not Measured	6.71	0.369	0.1	16.35
1345	Not Measured	6.71	0.376	0.1	16.18
1400	Not Measured	6.33	0.393	0.1	16.35
1415	Not Measured	6.37	0.410	0.0	16.35
1430	Not Measured	6.37	0.413	0.0	16.39
1445	Not Measured	6.37	0.410	0.1	16.44
1500	Not Measured	6.35	0.402	0.1	16.48

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-34	Date	7/15/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0930	Not Measured	7.66	0.481	0.2	16.32
0945	Not Measured	6.41	0.603	0.1	15.89
1000	Not Measured	6.25	0.644	0.1	15.78
1015	Not Measured	6.24	0.658	0.0	15.89
1030	Not Measured	6.24	0.667	0.1	15.89
1045	Not Measured	6.24	0.671	0.1	15.88
1100	Not Measured	6.24	0.675	0.2	15.84
1115	Not Measured	6.24	0.676	0.1	15.86
1130	Not Measured	6.26	0.677	0.0	15.19
1145	Not Measured	6.24	0.677	0.0	15.84
1200	Not Measured	6.24	0.678	0.0	15.93

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-31	Date	7/16/2010	Gallons Recovered	25
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1145	Not Measured	9.33	0.867	0.1	16.67
1200	Not Measured	6.81	0.763	0.1	17.52
1215	Not Measured	6.80	0.756	0.1	17.15
1230	Not Measured	6.76	0.755	0.1	17.17
1315	Not Measured	6.50	0.719	0.0	17.23
1330	Not Measured	6.22	0.616	0.0	17.06
1345	Not Measured	6.04	0.549	0.0	17.21
1400	Not Measured	6.02	0.499	0.0	17.43
1415	Not Measured	6.02	0.498	0.0	17.42
1430	Not Measured	6.09	0.480	0.0	17.44
1445	Not Measured	6.10	0.477	0.0	17.29

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-32	Date	7/16/2010	Gallons Recovered	25
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0900	Not Measured	11.61	1.120	0.1	16.16
0915	Not Measured	10.37	0.737	0.2	16.12
0930	Not Measured	9.75	0.603	0.1	16.18
0945	Not Measured	9.05	0.578	0.0	16.24
1000	Not Measured	7.42	0.517	0.0	16.24
1015	Not Measured	7.44	0.497	0.0	16.28
1030	Not Measured	7.32	0.489	0.0	16.30
1045	Not Measured	7.10	0.475	0.0	16.28
1100	Not Measured	6.94	0.461	0.0	16.35
1115	Not Measured	6.75	0.442	0.0	16.35

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-29	Date	7/19/2010	Gallons Recovered	15
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1345	Not Measured	11.07	0.578	0.2	19.53
1400	Not Measured	9.99	0.508	0.1	17.98
1415	Not Measured	8.22	0.500	0.1	18.06
1430	Not Measured	7.16	0.454	0.1	18.11
1445	Not Measured	6.86	0.455	0.1	17.81
1500	Not Measured	6.54	0.422	0.1	17.97

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-30S	Date	7/19/2010	Gallons Recovered	15
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1115	Not Measured	6.62	0.311	0.8	18.24
1130	Not Measured	6.20	0.325	0.3	16.96
1145	Not Measured	6.12	0.339	0.4	16.99
1200	Not Measured	6.08	0.352	0.3	17.36
1215	Not Measured	6.07	0.359	0.1	17.32
1230	Not Measured	6.07	0.361	0.0	18.00
1245	Not Measured	6.06	0.362	0.0	17.85

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-30D	Date	7/19/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0900	Not Measured	11.31	1.060	0.2	16.69
0915	Not Measured	8.94	0.457	0.1	16.28
0930	Not Measured	7.74	0.454	0.1	16.79
0945	Not Measured	7.46	0.439	0.0	16.29
1000	Not Measured	7.23	0.428	0.0	16.24
1015	Not Measured	6.60	0.414	0.0	16.35
1030	Not Measured	6.63	0.414	0.0	18.67
1045	Not Measured	6.66	0.414	0.0	17.80
1100	Not Measured	6.66	0.416	0.0	17.65

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-27	Date	7/20/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1315	Not Measured	9.42	0.375	0.4	18.52
1330	Not Measured	9.49	0.372	0.7	18.35
1345	Not Measured	8.19	0.353	0.2	17.38
1400	Not Measured	6.69	0.321	0.2	17.23
1415	Not Measured	6.30	0.319	0.1	17.30
1430	Not Measured	6.18	0.319	0.0	17.46
1445	Not Measured	6.10	0.318	0.0	17.46
1500	Not Measured	6.07	0.311	0.0	17.56

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
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Nassau County, New York

Well Id	OW-2-28S	Date	7/20/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1100	Not Measured	6.65	0.456	3.5	19.25
1115	Not Measured	6.19	0.441	0.4	18.07
1130	Not Measured	6.39	0.492	0.7	17.72
1145	Not Measured	6.27	0.459	0.2	17.76
1200	Not Measured	6.17	0.441	0.1	17.39
1215	Not Measured	6.09	0.421	0.1	17.22
1230	Not Measured	6.06	0.416	0.1	17.21
1245	Not Measured	6.04	0.414	0.0	17.08

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-28D	Date	7/20/2010	Gallons Recovered	20
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
0900	Not Measured	9.89	0.339	1.6	17.17
0915	Not Measured	8.07	0.336	0.4	18.07
0930	Not Measured	7.34	0.314	0.2	19.20
0945	Not Measured	6.73	0.313	0.0	17.01
1000	Not Measured	6.46	0.310	0.0	17.10
1015	Not Measured	6.18	0.296	0.0	17.05
1030	Not Measured	6.18	0.299	0.0	17.15
1045	Not Measured	6.11	0.292	0.0	16.97

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-18S	Date	7/21/2010	Gallons Recovered	20	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0930	Not Measured	9.06	0.588	0.4	18.81	Heavy Silt
0945	Not Measured	6.81	0.538	0.3	18.05	Light Silt
1000	Not Measured	6.67	0.529	0.1	17.90	Clear
1015	Not Measured	6.58	0.521	0.1	18.24	Clear
1030	Not Measured	6.60	0.525	0.0	18.20	Clear
1045	Not Measured	6.61	0.521	0.0	18.21	Clear
1100	Not Measured	6.62	0.519	0.0	18.29	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-18D	Date	7/21/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1115	Not Measured	10.89	0.339	0.1	23.92	Light Silt
1130	Not Measured	10.91	0.700	0.0	22.05	Light Silt
1145	Not Measured	9.75	0.649	0.0	20.19	Light Silt
1200	Not Measured	9.63	0.494	0.0	21.09	Light Silt
1215	Not Measured	8.66	0.477	0.0	20.78	Light Silt
1230	Not Measured	8.13	0.471	0.0	21.14	Light Silt
1245	Not Measured	7.04	0.452	0.0	22.85	Light Silt
1300	Not Measured	7.00	0.448	0.0	22.94	Light Silt
1315	Not Measured	7.00	0.449	0.0	22.92	Light Silt

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-16D	Date	7/22/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1345	Not Measured	11.31	0.747	0.4	18.94	Silty
1400	Not Measured	9.19	0.454	0.1	18.41	Silty
1415	Not Measured	8.22	0.456	0.1	18.15	Cloudy
1430	Not Measured	7.88	0.455	0.0	18.05	Cloudy
1445	Not Measured	7.63	0.453	0.0	18.17	Cloudy
1500	Not Measured	7.43	0.455	0.0	18.12	Cloudy

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SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-17	Date	7/22/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1130	Not Measured	11.54	0.797	0.1	21.41	Clear
1145	Not Measured	11.33	0.565	0.1	17.98	Silty
1200	Not Measured	11.32	0.571	0.1	19.64	Cloudy
1215	Not Measured	10.59	0.361	0.0	20.10	Cloudy
1230	Not Measured	10.71	0.369	0.0	20.38	Cloudy
1300	Not Measured	10.09	0.337	0.0	20.20	Cloudy
1315	Not Measured	10.13	0.336	0.0	20.73	Cloudy
1330	Not Measured	10.06	0.334	0.0	19.19	Cloudy

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-19	Date	7/22/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0830	Not Measured	7.05	0.395	0.1	17.64	Silty
0845	Not Measured	6.90	0.366	0.0	17.27	Cloudy
0900	Not Measured	6.17	0.335	0.3	17.83	Cloudy
0915	Not Measured	6.15	0.329	0.1	18.27	Cloudy
0930	Not Measured	6.14	0.333	0.0	18.26	Clear
0945	Not Measured	6.14	0.326	0.0	18.46	Clear
1000	Not Measured	6.12	0.321	0.0	18.61	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-15D	Date	7/23/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1130	Not Measured	11.56	0.839	0.0	18.15	Silty
1145	Not Measured	9.94	0.578	0.0	18.19	Silty
1200	Not Measured	7.41	0.581	0.0	17.41	Silty
1215	Not Measured	7.15	0.617	0.0	18.63	Silty
1230	Not Measured	7.16	0.620	0.0	18.41	Silty
1300	Not Measured	7.34	0.628	0.1	18.23	Silty
1315	Not Measured	7.60	0.635	0.0	17.83	Silty
1330	Not Measured	6.92	0.568	0.1	17.94	Silty
1345	Not Measured	6.64	0.531	0.1	17.41	Silty
1400	Not Measured	6.46	0.529	0.0	17.44	Silty
1415	Not Measured	6.43	0.530	0.0	18.24	Silty
1430	Not Measured	6.46	0.525	0.0	17.93	Silty

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-16S	Date	7/23/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0900	Not Measured	9.56	0.419	0.3	20.59	Silty
0915	Not Measured	7.02	0.665	0.4	16.51	Clear
0930	Not Measured	6.91	0.673	0.3	16.34	Clear
0945	Not Measured	6.82	0.670	0.4	16.26	Clear
1000	Not Measured	6.83	0.670	0.7	16.32	Clear
1015	Not Measured	6.82	0.668	0.5	16.35	Clear
1030	Not Measured	6.82	0.670	0.4	16.37	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-15S	Date	7/26/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0930	Not Measured	8.54	0.551	0.0	17.49	Very Silty
0945	Not Measured	8.23	0.523	0.0	17.10	Very Silty
1000	Not Measured	8.05	0.516	0.0	16.20	Very Silty
1015	Not Measured	7.06	0.579	0.0	16.58	Silty
1030	Not Measured	7.03	0.577	0.2	16.52	Silty
1045	Not Measured	6.99	0.577	0.2	16.47	Clear
1100	Not Measured	6.99	0.576	0.1	16.49	Clear
1115	Not Measured	7.02	0.574	0.1	16.47	Clear

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SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-14	Date	7/26/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1200	Not Measured	11.21	0.605	0.0	18.71	Very Silty
1215	Not Measured	7.47	0.441	0.0	17.12	Silty
1230	Not Measured	7.36	0.453	0.0	17.31	Silty
1300	Not Measured	7.11	0.463	0.0	17.80	Silty
1315	Not Measured	6.91	0.454	0.0	18.50	Silty
1330	Not Measured	8.24	0.466	0.1	18.99	Very Silty
1345	Not Measured	7.08	0.474	0.1	19.19	Very Silty
1400	Not Measured	6.55	0.401	0.1	18.04	Very Silty
1415	Not Measured	6.35	0.379	0.0	17.85	Silty
1430	Not Measured	6.22	0.371	0.0	17.71	Silty
1445	Not Measured	6.21	0.364	0.0	17.60	Silty

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-20S	Date	7/27/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0945	Not Measured	10.99	0.502	1.4	20.62	Silty
1000	Not Measured	10.63	0.543	0.3	18.56	Silty
1015	Not Measured	7.42	0.564	0.3	18.29	Silty
1030	Not Measured	6.68	0.495	0.5	17.89	Cloudy
1045	Not Measured	6.49	0.475	0.0	18.29	Cloudy
1100	Not Measured	6.30	0.456	0.1	17.53	Cloudy
1115	Not Measured	6.21	0.442	0.0	17.53	Cloudy
1130	Not Measured	6.14	0.437	0.4	17.51	Cloudy
1145	Not Measured	6.20	0.438	0.1	17.60	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-20D	Date	7/27/2010	Gallons Recovered	20	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1215	Not Measured	8.55	0.365	4.6	22.60	Very Silty
1230	Not Measured	7.61	0.377	0.2	20.98	Silty
1245	Not Measured	7.19	0.378	0.3	22.95	Silty
1300	Not Measured	6.94	0.349	0.1	19.66	Silty
1315	Not Measured	6.75	0.332	0.1	19.06	Silty
1330	Not Measured	6.52	0.319	0.1	18.68	Silty
1400	Not Measured	6.65	0.326	0.1	17.96	Silty
1415	Not Measured	6.53	0.330	0.0	17.60	Silty
1430	Not Measured	6.66	0.367	0.0	19.13	Cloudy
1445	Not Measured	6.57	0.334	0.0	18.64	Cloudy

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-21	Date	7/28/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0900	31.00	9.34	0.395	1.0	19.61	Silty
0915	Not Measured	9.31	0.503	1.1	18.85	Silty
0930	Not Measured	9.10	0.496	0.1	18.92	Silty
0945	Not Measured	9.16	0.493	0.1	18.63	Silty
1000	Not Measured	9.03	0.487	0.0	18.42	Cloudy
1015	Not Measured	7.55	0.389	0.1	18.33	Cloudy
1030	Not Measured	7.05	0.355	0.0	18.00	Cloudy
1045	Not Measured	6.92	0.348	0.0	17.99	Clear
1100	Not Measured	6.81	0.343	0.0	18.25	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-20S	Date	7/27/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0945	Not Measured	10.99	0.502	1.4	20.62	Silty
1000	Not Measured	10.63	0.543	0.3	18.56	Silty
1015	Not Measured	7.42	0.564	0.3	18.29	Silty
1030	Not Measured	6.68	0.495	0.5	17.89	Cloudy
1045	Not Measured	6.49	0.475	0.0	18.29	Cloudy
1100	Not Measured	6.30	0.456	0.1	17.53	Cloudy
1115	Not Measured	6.21	0.442	0.0	17.53	Cloudy
1130	Not Measured	6.14	0.437	0.4	17.51	Cloudy
1145	Not Measured	6.20	0.438	0.1	17.60	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-22D	Date	7/28/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1315	31.00	10.63	0.451	0.4	21.84	Clear
1330	Not Measured	10.46	0.002	0.4	20.88	Silty
1345	Not Measured	10.39	0.002	0.2	21.18	Silty
1400	Not Measured	10.44	0.425	0.2	18.82	Silty
1415	Not Measured	9.45	0.390	0.1	18.09	Silty
1430	Not Measured	8.33	0.384	0.0	18.06	Cloudy
1445	Not Measured	7.94	0.380	0.2	17.91	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-23	Date	7/29/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0915	30.50	11.05	0.558	0.4	19.22	Clear
0930	Not Measured	10.48	0.523	0.1	18.48	Silty
0945	Not Measured	10.03	0.480	0.1	18.67	Cloudy
1000	Not Measured	9.85	0.459	0.0	18.20	Cloudy
1015	Not Measured	9.10	0.460	0.0	18.12	Clear
1030	Not Measured	9.04	0.430	0.0	18.05	Clear
1045	Not Measured	8.26	0.427	0.0	18.05	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-24S	Date	7/29/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	30.40	8.02	0.422	0.3	20.84	Clear
1115	Not Measured	6.86	0.524	0.2	19.13	Cloudy
1130	Not Measured	6.44	0.472	0.1	19.91	Cloudy
1145	Not Measured	6.25	0.444	0.1	18.82	Cloudy
1200	Not Measured	6.05	0.399	0.0	18.53	Clear
1215	Not Measured	5.94	0.372	0.0	17.98	Clear
1230	Not Measured	5.90	0.365	0.0	18.09	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-24D	Date	7/29/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1300	30.80	11.53	1.170	0.6	23.91	Silty
1315	Not Measured	11.40	0.526	0.3	23.80	Silty
1330	Not Measured	10.50	0.498	0.1	20.60	Silty
1345	Not Measured	10.26	0.468	0.1	18.83	Silty
1400	Not Measured	10.15	0.444	0.0	18.76	Silty
1415	Not Measured	8.63	0.389	0.0	18.57	Silty
1430	Not Measured	7.75	0.336	0.0	17.57	Clear
1445	Not Measured	6.68	0.337	0.0	17.63	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-13S	Date	7/30/2010	Gallons Recovered	20	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1115	29.50	7.09	0.695	0.1	18.02	Silty
1130	Not Measured	6.82	0.711	0.2	16.51	Cloudy
1145	Not Measured	6.73	0.711	0.2	16.48	Clear
1200	Not Measured	6.69	0.709	0.1	17.01	Clear
1215	Not Measured	6.38	0.699	0.0	16.58	Clear
1230	Not Measured	6.40	0.690	0.0	16.56	Clear
1300	Not Measured	6.63	0.736	0.0	22.80	Silty
1315	Not Measured	6.65	0.706	0.0	17.25	Cloudy
1330	Not Measured	6.64	0.708	0.0	17.30	Cloudy
1345	Not Measured	6.67	0.706	0.0	17.71	Clear
1400	Not Measured	6.66	0.706	0.0	17.42	Clear

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SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-13D	Date	7/30/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0900	29.60	11.39	0.343	0.6	17.17	Silty
0915	Not Measured	11.23	0.443	0.3	18.52	Silty
0930	Not Measured	11.43	0.463	0.1	16.63	Silty
0945	Not Measured	10.03	0.421	0.1	16.20	Silty
1000	Not Measured	9.51	0.403	0.0	15.95	Clear
1015	Not Measured	6.61	0.403	0.0	15.90	Clear
1030	Not Measured	6.34	0.371	0.0	15.95	Clear
1045	Not Measured	6.24	0.362	0.0	16.05	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-2-4	Date	7/8/2010	Gallons Recovered	50
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1115	18.15	4.14	0.381	1.5	24.55
1130	18.20	4.47	0.376	1.1	17.15
1145	18.20	4.45	0.370	0.8	15.53
1200	18.20	4.61	0.368	0.6	15.47
1215	18.20	4.50	0.368	0.6	15.40
1230	18.20	4.66	0.370	0.6	15.36

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
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Nassau County, New York

Well Id	MP-2-5	Date	7/8/2010	Gallons Recovered	50
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1345	16.35	5.83	0.379	2.3	15.76
1400	16.43	5.68	0.368	0.8	15.16
1415	16.43	6.24	0.396	0.2	15.15
1430	16.44	6.30	0.393	0.3	15.14
1445	16.44	6.24	0.395	0.2	15.19
1500	16.33	6.12	0.395	0.2	15.17

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SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-45	Date	7/9/2010	Gallons Recovered	12
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1345	Not Measured	8.98	0.596	0.1	18.04
1400	Not Measured	6.34	0.559	0.1	17.34
1415	Not Measured	5.88	0.500	0.0	17.05
1430	Not Measured	5.99	0.493	0.1	16.98
1445	Not Measured	6.01	0.464	0.1	17.02
1500	Not Measured	6.03	0.461	0.0	17.31

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
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Nassau County, New York

Well Id	OW-2-46	Date	7/9/2010	Gallons Recovered	10
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1130	Not Measured	6.24	0.380	0.2	18.35
1145	Not Measured	5.58	0.385	0.1	17.98
1200	Not Measured	5.71	0.384	0.0	18.11
1215	Not Measured	5.84	0.387	0.0	17.64
1230	Not Measured	5.81	0.386	0.0	18.04
1245	Not Measured	5.82	0.385	0.0	18.32

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SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-47	Date	7/9/2010	Gallons Recovered	10
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**
1000	Not Measured	7.96	0.148	1.6	27.71
1015	Not Measured	7.86	0.408	2.9	29.06
1030	Not Measured	6.41	0.353	0.5	20.02
1045	Not Measured	5.21	0.364	0.2	18.48
1100	Not Measured	5.25	0.364	0.0	18.57
1115	Not Measured	5.35	0.363	0.0	19.07

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Hempstead Intersection Street
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Well Id	OW-2-11S	Date	8/12/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1300	Not Measured	11.16	0.648	0.7	18.84	Cloudy
1315	Not Measured	10.52	0.535	0.5	17.56	Cloudy
1330	Not Measured	7.99	0.480	0.8	16.84	Cloudy
1345	Not Measured	7.22	0.606	1.5	16.67	Cloudy
1400	Not Measured	7.11	0.607	0.2	16.60	Cloudy
1415	Not Measured	7.02	0.612	0.1	16.56	Cloudy
1430	Not Measured	6.68	0.601	0.1	16.36	Clear

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SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-11D	Date	8/12/2010	Gallons Recovered	20	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0915	Not Measured	10.81	0.480	0.2	17.69	Silty
0930	Not Measured	8.85	0.284	0.2	16.67	Silty
0945	Not Measured	7.06	0.282	0.1	16.66	Silty
1000	Not Measured	6.73	0.266	0.1	16.61	Silty
1015	Not Measured	6.62	0.255	0.0	16.53	Silty
1030	Not Measured	6.52	0.250	0.0	16.37	Silty
1045	Not Measured	6.51	0.247	0.0	16.28	Silty
1100	Not Measured	6.53	0.243	0.0	16.29	Cloudy
1115	Not Measured	6.38	0.238	0.0	16.31	Cloudy
1130	Not Measured	6.38	0.236	0.0	16.33	Cloudy
1145	Not Measured	6.39	0.235	0.0	16.32	Cloudy

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SYSTEM #2

Hempstead Intersection Street
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Well Id	OW-2-10S	Date	8/13/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1330	29.40	9.60	0.233	0.4	23.53	Silty
1345	Not Measured	8.76	0.326	0.2	19.85	Silty
1400	Not Measured	7.76	0.310	0.2	19.60	Silty
1415	Not Measured	7.21	0.406	0.0	20.39	Silty
1430	Not Measured	6.86	0.516	0.0	19.75	Silty
1445	Not Measured	6.70	0.446	0.0	19.20	Silty

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SYSTEM #2

Hempstead Intersection Street
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Well Id	OW-2-12	Date	8/13/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1015	29.80	10.68	0.520	0.3	18.90	Clear
1030	Not Measured	8.62	0.425	0.2	17.76	Silty
1045	Not Measured	7.42	0.397	0.2	18.32	Cloudy
1100	Not Measured	7.21	0.416	0.2	20.86	Cloudy
1115	Not Measured	7.08	0.455	0.3	21.64	Cloudy
1130	Not Measured	7.37	0.376	0.1	20.89	Cloudy
1145	Not Measured	7.02	0.284	0.1	20.46	Cloudy
1200	Not Measured	6.93	0.271	0.1	20.32	Cloudy

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SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-25	Date	8/2/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1300	30.20	10.96	0.528	0.9	26.46	Clear
1315	Not Measured	10.30	0.470	0.6	24.68	Silty
1330	Not Measured	10.61	0.391	0.3	22.90	Silty
1345	Not Measured	9.60	0.376	0.1	21.66	Silty
1400	Not Measured	9.52	0.422	0.0	19.80	Clear
1415	Not Measured	9.77	0.415	0.1	20.69	Clear
1430	Not Measured	9.34	0.414	0.1	19.64	Clear
1445	Not Measured	9.12	0.413	0.0	19.08	Clear

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SYSTEM #2

Hempstead Intersection Street
Former MGP Site
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Well Id	OW-2-26S	Date	8/2/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	30.40	7.93	0.753	0.5	21.60	Silty
1115	Not Measured	7.02	0.741	0.3	19.62	Silty
1130	Not Measured	6.62	0.717	0.1	19.50	Silty
1145	Not Measured	6.58	0.714	0.0	19.60	Clear
1200	Not Measured	6.55	0.714	0.0	19.05	Clear
1215	Not Measured	6.57	0.722	0.0	18.10	Clear
1230	Not Measured	6.54	0.720	0.0	18.44	Clear

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SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-26D	Date	8/2/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0900	30.20	9.59	0.604	0.0	22.24	Clear
0915	Not Measured	10.14	0.688	0.0	22.25	Silty
0930	Not Measured	9.60	0.635	0.0	19.52	Silty
0945	Not Measured	9.10	0.600	0.0	18.59	Silty
1000	Not Measured	9.10	0.560	0.0	18.88	Clear
1015	Not Measured	8.95	0.555	0.0	18.80	Clear
1030	Not Measured	8.93	0.553	0.0	18.50	Clear
1045	Not Measured	8.24	0.540	0.0	18.28	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-28S Redevelopment	Date	8/27/2010	Gallons Recovered	14		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Volume (ml/min)**
1345	30.30	6.27	0.455	0.2	19.19	Silty	400
1400	Not Measured	6.10	0.488	0.1	18.51	Cloudy	500
1415	Not Measured	6.06	0.485	0.0	17.56	Cloudy	500
1430	Not Measured	6.12	0.482	0.0	17.68	Cloudy	400
1445	Not Measured	6.15	0.486	0.0	17.77	Clear	400
1500	Not Measured	6.10	0.458	0.0	17.67	Clear	400

WELL DEVELOPMENT LOG
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Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-31 Redevelopment	**Date**	8/27/2010	**Gallons Recovered**	15		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Volume (ml/min)**
1115	30.00	7.31	0.435	0.5	16.55	Clear	500
1130	Not Measured	6.56	0.463	0.0	15.85	Clear	400
1145	Not Measured	6.24	0.431	0.0	15.86	Clear	500
1200	Not Measured	6.08	0.411	0.0	15.84	Clear	500
1215	Not Measured	5.98	0.400	0.0	15.73	Clear	500
1230	Not Measured	5.96	0.391	0.0	15.72	Clear	500
1245	Not Measured	5.93	0.388	0.0	15.78	Clear	600

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SYSTEM #2

Hempstead Intersection Street
Former MGP Site
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Well Id	OW-2-36 Redevelopment	Date	8/27/2010	Gallons Recovered	18		
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**	**Volume (ml/min)**
0900	18.00	9.50	0.461	0.4	16.41	Silty	400
0915	Not Measured	6.74	0.448	0.1	15.78	Cloudy	600
0930	Not Measured	6.69	0.424	0.1	15.80	Clear	600
0945	Not Measured	6.58	0.423	0.0	15.96	Clear	500
1000	Not Measured	6.61	0.421	0.0	15.90	Clear	600
1015	Not Measured	6.63	0.421	0.0	16.35	Clear	600
1030	Not Measured	6.41	0.418	0.0	16.10	Clear	600

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-8	Date	8/3/2010	Gallons Recovered	15	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1300	29.60	11.35	0.653	0.3	18.14	Silty
1315	Not Measured	10.50	0.689	0.2	17.66	Silty
1330	Not Measured	10.20	0.686	0.1	17.70	Silty
1345	Not Measured	9.12	0.377	0.1	16.92	Silty
1400	Not Measured	8.01	0.353	0.1	16.85	Silty
1415	Not Measured	7.49	0.329	0.0	16.86	Clear
1430	Not Measured	7.28	0.319	0.0	16.84	Clear
1445	Not Measured	7.03	0.314	0.0	17.08	Clear

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SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-9S	Date	8/3/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0915	29.60	10.04	0.307	0.0	17.36	Silty
0930	Not Measured	9.64	0.422	0.1	16.55	Silty
0945	Not Measured	6.83	0.426	0.1	17.10	Silty
1000	Not Measured	6.70	0.430	0.0	17.60	Silty
1015	Not Measured	6.77	0.426	0.0	17.16	Clear
1030	Not Measured	6.79	0.426	0.0	16.80	Clear
1045	Not Measured	6.74	0.420	0.0	16.60	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-9D	Date	8/3/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	29.30	10.71	0.668	0.0	17.76	Clear
1115	Not Measured	11.12	0.375	0.0	17.47	Clear
1130	Not Measured	9.48	0.411	0.0	17.25	Silty
1145	Not Measured	7.67	0.374	0.0	17.00	Silty
1200	Not Measured	6.73	0.303	0.0	16.83	Silty
1215	Not Measured	6.54	0.293	0.0	16.83	Silty
1230	Not Measured	6.45	0.288	0.0	16.82	Silty

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SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-2-1	Date	8/31/2010	Gallons Recovered	80	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1030	29.50	7.69	0.516	0.1	15.81	Very Silty
1045	Not Measured	6.68	0.510	0.1	15.66	Cloudy
1100	Not Measured	6.26	0.496	0.0	15.40	Surged
1115	Not Measured	6.07	0.481	0.0	17.58	Muddy
1130	Not Measured	6.03	0.498	0.0	16.90	Surged
1145	Not Measured	6.05	0.486	0.0	16.85	Clear
1200	Not Measured	6.07	0.486	0.0	16.84	Clear
1215	Not Measured	6.06	0.483	0.0	16.75	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-2-2	Date	8/31/2010	Gallons Recovered	65	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1245	28.00	6.40	0.433	0.2	16.60	Muddy
1300	Not Measured	6.09	0.260	0.0	16.59	Silty
1315	Not Measured	6.19	0.257	0.1	16.43	Surged
1330	Not Measured	6.19	0.250	0.0	16.64	Cloudy
1345	Not Measured	6.25	0.248	0.0	16.56	Clear
1400	Not Measured	6.10	0.246	0.0	16.56	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-4	Date	8/4/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1300	29.40	10.88	0.441	0.1	20.99	Clear
1315	Not Measured	9.68	0.431	0.2	19.88	Silty
1330	Not Measured	8.46	0.399	0.1	19.02	Silty
1345	Not Measured	8.03	0.366	0.1	18.50	Silty
1400	Not Measured	7.68	0.346	0.0	17.65	Silty
1415	Not Measured	8.47	0.487	0.0	17.83	Cloudy
1430	Not Measured	7.71	0.435	0.0	17.26	Cloudy
1445	Not Measured	7.49	0.418	0.0	16.68	Cloudy
1500	Not Measured	7.36	0.403	0.0	16.47	Cloudy

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-6	Date	8/4/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0900	29.80	10.90	0.338	0.5	19.17	Clear
0915	Not Measured	8.80	0.444	0.9	17.93	Silty
0930	Not Measured	6.96	0.315	0.2	17.76	Silty
0945	Not Measured	6.67	0.321	0.1	17.23	Silty
1000	Not Measured	6.35	0.333	0.1	16.83	Silty
1015	Not Measured	6.21	0.326	0.1	16.43	Cloudy
1030	Not Measured	6.37	0.283	0.0	17.91	Cloudy
1045	Not Measured	6.28	0.278	0.0	18.09	Cloudy

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-7	Date	8/4/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1100	30.10	11.25	0.618	0.0	20.63	Clear
1115	Not Measured	9.90	0.460	0.0	19.52	Silty
1130	Not Measured	8.54	0.385	0.0	18.85	Clear
1145	Not Measured	7.53	0.348	0.0	19.10	Clear
1200	Not Measured	7.28	0.336	0.0	19.18	Clear
1215	Not Measured	7.10	0.328	0.0	18.82	Clear
1230	Not Measured	6.98	0.322	0.0	18.60	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-2	Date	8/5/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1030	24.75	11.47	0.918	0.2	20.55	Cloudy
1045	Not Measured	11.70	0.766	0.1	18.07	Cloudy
1100	Not Measured	10.56	0.541	0.3	17.73	Silty
1115	Not Measured	9.84	0.432	0.0	17.80	Silty
1130	Not Measured	9.97	0.422	0.0	17.72	Silty
1145	Not Measured	9.48	0.386	0.0	17.24	Silty
1200	Not Measured	9.23	0.372	0.0	17.16	Silty

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-3	Date	8/5/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1300	25.00	10.91	0.505	0.0	18.46	Cloudy
1315	Not Measured	10.87	0.494	0.0	18.36	Cloudy
1330	Not Measured	10.02	0.431	0.0	17.96	Cloudy
1345	Not Measured	9.22	0.448	0.0	17.65	Cloudy
1400	Not Measured	7.98	0.390	0.0	17.60	Cloudy
1415	Not Measured	7.40	0.363	0.0	18.00	Cloudy
1430	Not Measured	7.07	0.359	0.0	17.98	Cloudy

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-5	Date	8/6/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
0915	30.00	11.10	0.537	0.0	17.14	Silty
0930	Not Measured	10.50	0.468	0.0	17.77	Silty
0945	Not Measured	9.63	0.377	0.0	17.46	Silty
1000	Not Measured	8.47	0.482	0.0	17.78	Silty
1015	Not Measured	8.38	0.463	0.0	17.68	Silty
1030	Not Measured	8.26	0.420	0.0	16.90	Silty
1045	Not Measured	8.18	0.386	0.0	16.76	Silty
1100	Not Measured	7.76	0.416	0.0	16.80	Silty

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	OW-2-10D	Date	8/6/2010	Gallons Recovered	10	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1145	29.60	11.37	0.768	0.0	21.87	Silty
1200	Not Measured	8.73	0.368	0.0	19.07	Silty
1215	Not Measured	7.50	0.339	0.0	18.19	Silty
1230	Not Measured	7.17	0.317	0.0	18.14	Silty
1315	Not Measured	6.90	0.320	0.0	18.06	Silty
1330	Not Measured	6.80	0.318	0.0	17.85	Silty
1345	Not Measured	6.76	0.325	0.0	17.60	Silty
1400	Not Measured	6.70	0.319	0.0	17.63	Silty
1415	Not Measured	6.79	0.293	0.0	17.66	Silty
1430	Not Measured	6.47	0.286	0.0	17.60	Silty

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
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Well Id	MP-2-3S	Date	9/3/2010	Gallons Recovered	50	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1245	Not Measured	6.31	0.580	0.3	18.91	Silty
1300	Not Measured	6.32	0.545	0.0	20.07	Cloudy
1315	Not Measured	6.39	0.506	0.0	20.33	Cloudy
1330	Not Measured	6.26	0.488	0.0	17.68	Clear
1345	Not Measured	6.21	0.468	0.0	17.48	Clear

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	MP-2-3D	Date	9/3/2010	Gallons Recovered	60	
Time	**DTW (ft bgs)**	**pH**	**Conductivity (mS/cm)**	**PID (ppm)**	**Temperature (°C)**	**Water Visual Condition**
1045	Not Measured	11.49	0.886	0.2	17.52	Cloudy
1100	Not Measured	11.03	0.667	0.1	19.31	Cloudy
1115	Not Measured	6.92	0.599	0.0	20.31	Cloudy
1130	Not Measured	6.70	0.593	0.0	20.56	Cloudy
1145	Not Measured	6.47	0.521	0.0	18.36	Cloudy
1200	Not Measured	6.38	0.481	0.0	17.36	Cloudy

WELL DEVELOPMENT LOG
SYSTEM #2

Hempstead Intersection Street
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Nassau County, New York

Well Id	OW-2-44	Date	9/3/2010	Gallons Recovered	13		
Time	DTW (ft bgs)	pH	Conductivity (mS/cm)	PID (ppm)	Temperature (°C)	Water Visual Condition	Volume (ml/min)
0845	Not Measured	11.45	1.180	0.1	19.80	Cloudy	300
0900	Not Measured	7.61	0.654	0.0	17.63	Cloudy	400
0915	Not Measured	7.15	0.606	0.0	17.43	Cloudy	500
0930	Not Measured	6.97	0.553	0.0	17.71	Cloudy	500
0945	Not Measured	6.73	0.558	0.0	17.27	Cloudy	500
1000	Not Measured	6.68	0.541	0.0	16.69	Cloudy	500

PRESSURE TESTING LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Time	Notes
OW-2-28S	73	60	19.5	1145 - 1215	No leaks found. Tested point 6 times and each test took 30 seconds for pressure to drop from 60 psi to breakthrough at 19.5 psi. Maintained 19.5 psi breakthrough for 5 mins.
OW-2-31	88	60	24	1220 - 1235	No leaks found. Tested point 5 times and each test took 1 minute for pressure to drop from 60 psi to breakthrough at 24 psi. Maintained 24 psi breakthrough for 5 mins.
OW-2-36	68	60	18	1240 - 1310	No leaks found. Tested point 5 times and each test took 30 seconds for pressure to drop from 60 psi to breakthrough at 18 psi. Maintained 18 psi breakthrough for 5 mins.

PRESSURE TESTING LOGS

PRESSURE TESTING LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Notes
OW-1-54	60	40	17	No leaks found. Maintained 17 psi breakthrough for 5 mins.
OW-1-53	60	40	17.5	No leaks found. Maintained 17.5 psi breakthrough for 5 mins.
OW-1-52	59.3	40	16	No leaks found. Maintained 16 psi breakthrough for 5 mins.
OW-1-51	60.6	60	60	No flow through well. Confirmed that well is no good and requires replacement.
OW-1-51R	60.6	50	17	No leaks found. Maintained 17 psi breakthrough for 5 mins.
OW-1-50	61	40	16	No leaks found. Maintained 16 psi breakthrough for 5 mins.
OW-1-49	61.5	40	16	No leaks found. Maintained 16 psi breakthrough for 5 mins.
OW-1-48	62.5	40	17	No leaks found. Maintained 17 psi breakthrough for 5 mins.
OW-1-47	63.4	40	16.5	No leaks found. Maintained 16.5 psi breakthrough for 5 mins.
OW-1-46	64.3	40	17.5	No leaks found. Maintained 17.5 psi breakthrough for 5 mins.
OW-1-45	65.7	40	18	No leaks found. Maintained 18 psi breakthrough for 5 mins.
OW-1-44	66.6	40	18	No leaks found. Maintained 18 psi breakthrough for 5 mins.

PRESSURE TESTING LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Notes
OW-1-43	67.4	40	18	Found leak in 1" coupling - cut fitting out and replaced. Maintained 18 psi breakthrough for 5 mins.
OW-1-42D	71	40	19	Found leak at hose barb and tightened clamps to repair. Maintained 19 psi breakthrough for 5 mins.
OW-1-42S	51.3	40	13	Found leak at hose barb and tightened clamps to repair. Maintained 13 psi breakthrough for 5 mins.
OW-1-41D	73.6	40	23	No leaks found. Maintained 23 psi breakthrough for 5 mins.
OW-1-41S	51.5	40	14	No leaks found. Maintained 14 psi breakthrough for 5 mins.
OW-1-40D	76	40	23	No leaks found. Maintained 23 psi breakthrough for 5 mins.
OW-1-40S	51.1	40	14	No leaks found. Maintained 14 psi breakthrough for 5 mins.
OW-1-39D	78	40	24.5	No leaks found. Maintained 24.5 psi breakthrough for 5 mins.
OW-1-39S	50.7	40	13.5	No leaks found. Maintained 13.5 psi breakthrough for 5 mins.
OW-1-38D	82	40	28.5	No leaks found. Maintained 28.5 psi breakthrough for 5 mins.
OW-1-38S	50.6	40	13	No leaks found. Maintained 13 psi breakthrough for 5 mins.
OW-1-37D	84	40	27	No leaks found. Maintained 27 psi breakthrough for 5 mins.

PRESSURE TESTING LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Notes
OW-1-37S	50.5	40	13	No leaks found. Maintained 13 psi breakthrough for 5 mins.
OW-1-36D	85	40	28	No leaks found. Maintained 28 psi breakthrough for 5 mins.
OW-1-36S	50.3	40	13	No leaks found. Maintained 13 psi breakthrough for 5 mins.
OW-1-35D	85	40	24	No leaks found. Maintained 24 psi breakthrough for 5 mins.
OW-1-35S	50.3	40	13	No leaks found. Maintained 13 psi breakthrough for 5 mins.
OW-1-34D	84.5	40	28	No leaks found. Maintained 28 psi breakthrough for 5 mins.
OW-1-34S	50.1	40	13	No leaks found. Maintained 13 psi breakthrough for 5 mins.
OW-1-33D	83.2	40	27.5	No leaks found. Maintained 27.5 psi breakthrough for 5 mins.
OW-1-33S	49.7	40	16	No leaks found. Maintained 16 psi breakthrough for 5 mins.
OW-1-32D	81.6	60	27	No leaks found. Maintained 27 psi breakthrough for 5 mins.
OW-1-32S	49.3	40	14	No leaks found. Maintained 14 psi breakthrough for 5 mins.
OW-1-31D	80.5	40	28	No leaks found. Maintained 28 psi breakthrough for 5 mins.

PRESSURE TESTING LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Notes
OW-1-31S	49.3	40	14	No leaks found. Maintained 14 psi breakthrough for 5 mins.
OW-1-30D	79	40	28	No leaks found. Maintained 28 psi breakthrough for 5 mins.
OW-1-30S	48.8	40	14.5	No leaks found. Maintained 14.5 psi breakthrough for 5 mins.
OW-1-29D	78.4	40	28	No leaks found. Maintained 28 psi breakthrough for 5 mins.
OW-1-29S	48.5	40	13.5	No leaks found. Maintained 13.5 psi breakthrough for 5 mins.
OW-1-28D	78	40	27	No leaks found. Maintained 27 psi breakthrough for 5 mins.
OW-1-28S	48.3	40	13.5	No leaks found. Maintained 13.5 psi breakthrough for 5 mins.
OW-1-27D	77.9	40	27.5	No leaks found. Maintained 27.5 psi breakthrough for 5 mins.
OW-1-27S	48.3	40	13	No leaks found. Maintained 13 psi breakthrough for 5 mins.
OW-1-26D	78.1	40	26.5	No leaks found. Maintained 26.5 psi breakthrough for 5 mins.
OW-1-26S	48.3	60	-	No flow through well. Confirmed that well is no good and requires replacement.
OW-1-26SR	48.3	40	13.5	No leaks found. Maintained 13.5 psi breakthrough for 5 mins.

PRESSURE TESTING LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Notes
OW-1-25D	78.1	40	27	No leaks found. Maintained 27 psi breakthrough for 5 mins.
OW-1-25S	48.8	40	14	No leaks found. Maintained 14 psi breakthrough for 5 mins.
OW-1-24D	78.2	40	26	No leaks found. Maintained 26 psi breakthrough for 5 mins.
OW-1-24S	48.4	40	12	No leaks found. Maintained 12 psi breakthrough for 5 mins.
OW-1-23D	78.7	40	25.5	No leaks found. Maintained 25.5 psi breakthrough for 5 mins.
OW-1-23S	48.8	40	12	No leaks found. Maintained 12 psi breakthrough for 5 mins.
OW-1-22D	79.5	40	24	No leaks found. Maintained 24 psi breakthrough for 5 mins.
OW-1-22S	49.3	40	11.5	No leaks found. Maintained 11.5 psi breakthrough for 5 mins.
OW-1-21D	79.5	40	25	No leaks found. Maintained 25 psi breakthrough for 5 mins.
OW-1-21S	49.3	40	14	No leaks found. Maintained 14 psi breakthrough for 5 mins.
OW-1-20D	79.5	40	26	No leaks found. Maintained 26 psi breakthrough for 5 mins.
OW-1-20S	49.3	40	13	No leaks found. Maintained 13 psi breakthrough for 5 mins.

PRESSURE TESTING LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Notes
OW-1-19D	78.9	40	25	No leaks found. Maintained 25 psi breakthrough for 5 mins.
OW-1-19S	49.7	40	13	No leaks found. Maintained 13 psi breakthrough for 5 mins.
OW-1-18D	78.9	40	25	No leaks found. Maintained 25 psi breakthrough for 5 mins.
OW-1-18S	50.2	40	13	No leaks found. Maintained 13 psi breakthrough for 5 mins.
OW-1-17D	79.5	40	25	No leaks found. Maintained 25 psi breakthrough for 5 mins.
OW-1-17S	50.7	40	13.5	No leaks found. Maintained 13.5 psi breakthrough for 5 mins.
OW-1-16D	82.5	40	26.5	No leaks found. Maintained 26.5 psi breakthrough for 5 mins.
OW-1-16SR	51.8	40	13.5	No leaks found. Maintained 13.5 psi breakthrough for 5 mins.
OW-1-15D	83.3	40	26	No leaks found. Maintained 26 psi breakthrough for 5 mins.
OW-1-15S	52.2	40	13.5	No leaks found. Maintained 13.5 psi breakthrough for 5 mins.
OW-1-14D	84.1	40	27.5	No leaks found. Maintained 27.5 psi breakthrough for 5 mins.
OW-1-14S	52.7	40	13.5	No leaks found. Maintained 13.5 psi breakthrough for 5 mins.

PRESSURE TESTING LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Notes
OW-1-13D	84.7	40	28	No leaks found. Maintained 28 psi breakthrough for 5 mins.
OW-1-13S	53.1	40	13.5	No leaks found. Maintained 13.5 psi breakthrough for 5 mins.
OW-1-12D	85.3	40	27	No leaks found. Maintained 27 psi breakthrough for 5 mins.
OW-1-12S	53.6	40	13.5	No leaks found. Maintained 13.5 psi breakthrough for 5 mins.
OW-1-11D	86.1	40	28.5	No leaks found. Maintained 28.5 psi breakthrough for 5 mins.
OW-1-11S	54.1	40	14	No leaks found. Maintained 14 psi breakthrough for 5 mins.
OW-1-10D	87.2	40	28	No leaks found. Maintained 28 psi breakthrough for 5 mins.
OW-1-10S	54.6	40	13.5	No leaks found. Maintained 13.5 psi breakthrough for 5 mins.
OW-1-9D	88.5	40	27.5	No leaks found. Maintained 27.5 psi breakthrough for 5 mins.
OW-1-9S	66	40	16	No leaks found. Maintained 16 psi breakthrough for 5 mins.
OW-1-8D	89.6	40	27.5	No leaks found. Maintained 27.5 psi breakthrough for 5 mins.
OW-1-8S	66.7	40	17	No leaks found. Maintained 17 psi breakthrough for 5 mins.

PRESSURE TESTING LOG
SYSTEM #1

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Notes
OW-1-7D	91.1	40	28	No leaks found. Maintained 28 psi breakthrough for 5 mins.
OW-1-7S	66.9	40	13	No leaks found. Maintained 13 psi breakthrough for 5 mins.
OW-1-6D	92.4	40	28	No leaks found. Maintained 28 psi breakthrough for 5 mins.
OW-1-6S	67	40	16.5	No leaks found. Maintained 16.5 psi breakthrough for 5 mins.
OW-1-5D	93.9	40	28	No leaks found. Maintained 28 psi breakthrough for 5 mins.
OW-1-5S	67.3	40	17	No leaks found. Maintained 17 psi breakthrough for 5 mins.
OW-1-4	95	40	28	No leaks found. Maintained 28 psi breakthrough for 5 mins.
OW-1-3	96.3	40	28.5	No leaks found. Maintained 28.5 psi breakthrough for 5 mins.
OW-1-2	96.5	40	29	No leaks found. Maintained 29 psi breakthrough for 5 mins.
OW-1-1	95.5	40	29	No leaks found. Maintained 29 psi breakthrough for 5 mins.

PRESSURE TESTING LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Time	Notes
OW-2-20S	73	40	20	1445 - 1516	Found leak in 1" coupling - cut fitting out and replaced. Maintained 20 psi breakthrough pressure for 5 mins.
OW-2-20D	98	40	29.5	1435 - 1441	No leaks found. Maintained 29.5 psi breakthrough pressure for 5 mins.
OW-2-21	98	40	28	1353 - 1431	No leaks found. Tested point 4 times and each test took 2 mins for pressure to drop from 40 psi to breakthrough at 28 psi. Maintained 28 psi breakthrough for 5 mins.
OW-2-22S	73	40	20	1338 - 1348	No leaks found. Maintained 20 psi breakthrough for 5 mins.
OW-2-22D	98	40	29.5	1318 - 1329	No leaks found. Took 1 min for pressure to drop from 40 psi to breakthrough at 29.5 psi. Maintained 29.5 psi breakthrough for 5 mins.
OW-2-23	98	40	28	1304 - 1313	No leaks found. Took 40 secs for pressure to drop from 40 psi to breakthrough at 28 psi. Maintained 28 psi breakthrough for 5 mins.
OW-2-24S	73	40	22	1244 - 1300	No leaks found. Maintained 22 psi breakthrough for 5 mins.
OW-2-24D	98	40	30	1142 - 1202	No leaks found. Took 10 secs for pressure to drop from 40 psi to breakthrough at 30 psi. Maintained 30 psi breakthrough for 5 mins.
OW-2-25	98	40	29	1106 - 1133	No leaks found. Tested point 4 times and each test took 12 secs for pressure to drop from 40 psi to breakthrough at 29 psi. Maintained 29 psi breakthrough for 5 mins.
OW-2-26S	73	40	19	1042 - 1102	Found leak at hose barb and tightened clamps to repair. Maintained 19 psi breakthroguh for 5 mins.

PRESSURE TESTING LOG
SYSTEM #2

Hempstead Intersection Street
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Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Time	Notes
OW-2-26D	98	40	30	1031 - 1039	No leaks found. Maintained 30 psi breakthrough for 5 mins.
OW-2-27	93	40	28.5	1015 - 1022	No leaks found. Maintained 28.5 psi breakthrough for 5 mins.
OW-2-28S	73	40	25	0945 - 1010	No leaks found. Tested point 6 times and each test took 5 mins for pressure to drop from 40 psi to breakthrough at 25 psi. Maintained 25 psi breakthrough for 5 mins.
OW-2-28D	93	40	27	0917 - 0933	No leaks found. Maintained 27 psi breakthrough for 5 mins.
OW-2-30S	68	40	16	0900 - 0914	No leaks found. Maintained 16 psi breakthrough for 5 mins.
OW-2-30D	88	40	25	0836 - 0845	No leaks found. Maintained 25 psi breakthrough for 5 mins.
OW-2-31	88	40	26	0810 - 0831	No leaks found. Tested point 4 times and each test took 3 mins for pressure to drop from 40 psi to breakthrough at 26 psi. Maintained 26 psi breakthrough for 5 mins.
OW-2-32	88	40	24.5	1431 - 1444	No leaks found. Maintained 24.5 psi breakthrough for 5 mins.
OW-2-33	83	40	23	1404 - 1425	Found leak in threads on valve and made repairs. Maintained 23 psi breakthrough for 5 mins.
OW-2-34	78	40	19	1345 - 1359	No leaks found. Maintained 19 psi breakthrough for 5 mins.
OW-2-35	73	40	22	1333 - 1341	No leaks found. Maintained 22 psi breakthrough for 5 mins.

PRESSURE TESTING LOG
SYSTEM #2

Hempstead Intersection Street
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Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Time	Notes
OW-2-36	68	40	27	1303 - 1330	No leaks found. Tested point 4 times and each test took 8 mins for pressure to drop from 40 psi to breakthrough at 27 psi. Maintained 27 psi breakthrough for 5 mins.
OW-2-37	63	40	19	1154 - 1225	Found leak at hose barb and tightened clamps to repair. Maintained 19 psi breakthrough for 5 mins.
OW-2-38	63	40	19	1142 - 1149	No leaks found. Maintained 19 psi breakthrough for 5 mins.
OW-2-39	63	40	18	1120 - 1138	No leaks found. Maintained 18 psi breakthrough for 5 mins.
OW-2-40	63	40	18.5	1110 - 1115	No leaks found. Maintained 18.5 psi breakthrough for 5 mins.
OW-2-41	63	40	19	1036 - 1100	Found leak at hose barb and tightened clamps to repair. Maintained 19 psi breakthrough for 5 mins.
OW-2-42	63	40	19.5	0951 - 1020	Found leak at 3/8" nipple and repaired. Maintained 19.5 psi breakthrough for 5 mins.
OW-2-43	63	40	18.5	0930 - 0947	Found leak at hose barb and tightened clamps to repair. Maintained 18.5 psi breakthrough for 5 mins.
OW-2-45	63	40	18.5	0851 - 0900	No leaks found. Maintained 18.5 psi breakthrough for 5 mins.
OW-2-46	63	40	19	0836 - 0848	No leaks found. Maintained 19 psi breakthrough for 5 mins.
OW-2-47	63	40	19.5	0820 - 0831	No leaks found. Maintained 19.5 psi breakthrough for 5 mins.

PRESSURE TESTING LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Time	Notes
OW-2-19	98	40	29	0850 - 0905	No leaks found. Maintained 29 psi breakthrough pressure for 5 mins.
OW-2-18D	98	40	29	0915 - 0925	No leaks found. Maintained 29 psi breakthrough pressure for 5 mins.
OW-2-18S	73	40	19	0935 - 0950	No leaks found. Maintained 19 psi breakthrough for 5 mins.
OW-2-17	98	40	29.5	1000 - 1014	No leaks found. Maintained 29.5 psi breakthrough for 5 mins.
OW-2-16D	98	40	29	1020 - 1040	No leaks found. Maintained 29 psi breakthrough for 5 mins.
OW-2-16S	73	40	19	1045 - 1103	No leaks found. Maintained 19 psi breakthrough for 5 mins.
OW-2-15D	98	40	28	1113 - 1131	No leaks found. Maintained 28 psi breakthrough for 5 mins.
OW-2-15S	73	40	22	1145 - 1205	No leaks found. Maintained 22 psi breakthrough for 5 mins.
OW-2-14	98	40	30	1220 - 1230	No leaks found. Maintained 30 psi breakthrough for 5 mins.
OW-2-13D	103	40	30.5	1233 - 1245	No leaks found. Maintained 30.5 psi breakthroguh for 5 mins.
OW-2-13S	73	40	18.5	1250 - 1304	No leaks found. Maintained 18.5 psi breakthrough for 5 mins.

PRESSURE TESTING LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Time	Notes
OW-2-12	103	60	32.5	1310 - 1321	No leaks found. Tested point 5 times and each test took 4 mins for pressure to drop from 60 psi to breakthrough at 32.5 psi. Maintained 32.5 psi breakthrough for 5 mins.
OW-2-11D	103	60	32	1325 - 1341	No leaks found. Tested point 5 times and each test took 9 mins for pressure to drop from 60 psi to breakthrough at 32 psi. Maintained 32 psi breakthrough for 5 mins.
OW-2-11S	73	40	20	1342 - 1356	No leaks found. Maintained 20 psi breakthrough for 5 mins.
OW-2-10D	103	40	31	1358 - 1410	No leaks found. Maintained 31 psi breakthrough for 5 mins.
OW-2-10S	73	40	20	1415 - 1425	Found leak at hose barb and tightened clamps to repair. Maintained 20 psi breakthrough for 5 mins.
OW-2-9D	98	40	31	1430 - 1437	No leaks found. Maintained 31 psi breakthrough for 5 mins.
OW-2-9S	73	40	20	1438 - 1451	Found leak in 1" coupling - cut fitting out and replaced. Maintained 20 psi breakthrough for 5 mins.
OW-2-8	98	60	30	1455 - 1504	No leaks found. Tested point 4 times and each test took 3 mins for pressure to drop from 60 psi to breakthrough at 30 psi. Maintained 30 psi breakthrough for 5 mins.
OW-2-7	98	60	30	1509 - 1518	No leaks found. Tested point 4 times and each test took 3 mins for pressure to drop from 60 psi to breakthrough at 30 psi. Maintained 30 psi breakthrough for 5 mins.

PRESSURE TESTING LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Time	Notes
OW-2-6	98	60	29.5	1519 - 1529	No leaks found. Tested point 4 times and each test took 7 mins for pressure to drop from 60 psi to breakthrough at 29.5 psi. Maintained 29.5 psi breakthrough for 5 mins.
OW-2-5	98	60	29.5	1531 - 1546	No leaks found. Tested point 4 times and each test took 2 mins for pressure to drop from 60 psi to breakthrough at 29.5 psi. Maintained 29.5 psi breakthrough for 5 mins.
OW-2-4	98	60	28.5	1547 - 1558	No leaks found. Tested point 4 times and each test took 1 min for pressure to drop from 60 psi to breakthrough at 28.5 psi. Maintained 28.5 psi breakthrough for 5 mins.
OW-2-3	98	40	29	1559 - 1608	No leaks found. Maintained 29 psi breakthrough for 5 mins.
OW-2-2	98	40	27	1409 - 1417	No leaks found. Maintained 27 psi breakthrough for 5 mins.

PRESSURE TESTING LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Time	Notes
OW-2-44	61	40	18.5	0900 - 0915	Found leak in 1" coupling - cut fitting out and replaced. Maintained 18.5 psi breakthrough for 5 mins.

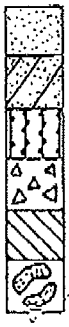
PRESSURE TESTING LOG
SYSTEM #2

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Well Id	Depth (ft bgs)	Applied Pressure (psi)	Breakthrough Pressure (psi)	Time	Notes
OW-2-28S	73	60	19.5	1145 - 1215	No leaks found. Tested point 6 times and each test took 30 seconds for pressure to drop from 60 psi to breakthrough at 19.5 psi. Maintained 19.5 psi breakthrough for 5 mins.
OW-2-31	88	60	24	1220 - 1235	No leaks found. Tested point 5 times and each test took 1 minute for pressure to drop from 60 psi to breakthrough at 24 psi. Maintained 24 psi breakthrough for 5 mins.
OW-2-36	68	60	18	1240 - 1310	No leaks found. Tested point 5 times and each test took 30 seconds for pressure to drop from 60 psi to breakthrough at 18 psi. Maintained 18 psi breakthrough for 5 mins.

SOIL DENSITY AND CONCRETE TESTING

JOB #10-363



SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 679-4373

DATE 6/10/2010

FIELD REPORT

	AM	PM
AIR TEMP.	60°	71°
WEATHER	Pt Sun	Clouds

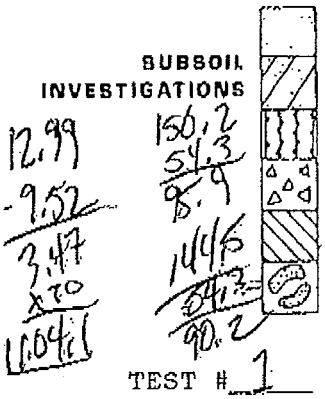
CLIENT Fenley + Nicole

CONTRACTOR Samo

PROJECT Mitchell Park Phase II Hempstead NY
Mc (Intersection of T.)

1) on site to perform Soil Density testing on the backfill of Pipe Connecting wells #47 to #39 Running through Park Grounds. Contractor has previously installed wells and piping connecting wells to Pump Station. Contractor has previously placed approximately 1' of imported fine Sand Fill (SP) Material over Pipe and Compacted lift, Performed (4) Sand Cone Soil Density tests on trench backfilled to -1.5' below existing Grades, Proctor 98.1 PCF. Contractor compacted lift to A Minimum of 95% of it's Maximum Density. Areas tested were Stable and not Saturated at this time.

INSPECTOR



12.99 150.2
-9.52 54.3
3.47 95.9
x10 144.5
10.41 90.2

SOIL MECHANICS DRILLING CORP.
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(516) 221-2333 • FAX (516) 679-4373

Date: 6/10/2010

PROJECT: Mitchel Park
Phase II

TEST # 1

Depth of test from final grade: -1.5'

X63

FIELD DENSITY TEST

1. Wt. of Sand & Cone (a) = 15.78
2. Wt. of Sand & Cone (b) = -8.20
   Wt. of Sand = 7.58
   Sand in Cone = -3.59
   NET SAND = 3.99 (c)
3. Volume of Soil = .0411
   Net Sand (c) / Sand Volume = 3.99 / 97 =
4. Wt. of Soil & Can = 4.52
   Wt. of Can = -.34
   Wt. of Soil = 4.18 (d)
5. Moist. Density = 101.70
   Wt. of Soil (d) / Vol. of Soil (3) = 4.18 / .0411 =
6. WET
   Cup & Soil = 137.8
   Cup = 54.3
   Soil Wet = 83.5 (e)
   DRY
   Cup & Soil = 133.0
   Cup = 54.3
   Soil Dry = 78.7 (f)
   Soil Wet 83.5
   Soil Dry 78.7
   Moisture= 4.8
7. Moisture=
   Wet (e) - Dry (f) X100 / Dry (f) = 4.80 / 78.7 = 6.099 (7) %
8. Dry Density =
   Moist. Density (5) / (1.+ % Moist. (7) / 100) = 101.7 / 1.06099 = ~~6.099~~ 95.85
9. % Compaction = Dry Density / Max. Density = 95.85 / 98.1 pcf = 97.71 %
10. Req. Density: ~~97~~ 95 %
11. Pass V Fail _____

LOCATION: East of Well #45.

SUBSOIL INVESTIGATIONS

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 679-4873

Date: 6/10/2010

PROJECT: Mitchell Park
Phase II

TEST # 2

Depth of test from final grade: -1.5'

FIELD DENSITY TEST

1. Wt. of Sand & Cone (a) = 15.68
2. Wt. of Sand & Cone (b) = 8.14
   Wt. of Sand = 7.54
   Sand in Cone = 3.59
   NET SAND = 3.95 (c)
3. Volume of Soil = .0407
   Net Sand (c) / Sand Volume = 3.95 / 97 =
4. Wt. of Soil & Can = 4.35
   Wt. of Can = .34
   Wt. of Soil = 4.01 (d)
5. Moist. Density = 98.52
   Wt. of Soil (d) / Vol. of Soil (3) = 4.01 / .0407 =
6. WET
   Cup & Soil = 133.0
   Cup = 54.3
   Soil Wet = 78.7 (e)
   DRY
   Cup & Soil = 128.4
   Cup = 54.3
   Soil Dry = 74.1 (f)
   Soil Wet 78.7
   Soil Dry 74.1
   Moisture = 4.6
7. Moisture =
   $\frac{\text{Wet (e) - Dry (f) X100}}{\text{Dry (f)}} = \frac{460}{74.1} = 6.208$ (7) %
8. Dry Density =
   $\frac{\text{Moist. Density (5)}}{1 + \frac{\text{\% Moist. (7)}}{100}} = \frac{98.52}{1.062} = 92.77$
9. % Compaction = Dry Density / Max. Density = $\frac{92.77}{98.1} = 94.56$ %
10. Req. Density: 85 + %
11. Pass ✓ Fail

LOCATION: 5' EAST OF Well # 42

SUBSOIL INVESTIGATIONS

SOIL MECHANICS DRILLING CORP.

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Date: 6/10/2010

PROJECT: Mirscher Park
Phase II

TEST # 3

Depth of test from final grade: -1.5'

FIELD DENSITY TEST

1. Wt. of Sand & Cone (a) = 15.70
2. Wt. of Sand & Cone (b) = -8.08
   Wt. of Sand = 7.62
   Sand in Cone = -3.59
   NET SAND = 4.03 (c)
3. Volume of Soil = .0415
   Net Sand (c) / Sand Volume = 4.03 / 97 =
4. Wt. of Soil & Can = 4.41
   Wt. of Can = -.34
   Wt. of Soil = 4.07 (d)
5. Moist. Density = 98.07
   Wt. of Soil (d) / Vol. of Soil (3) = 4.07 / .0415 =
6. WET
   Cup & Soil = 117.0
   Cup = 54.3
   Soil Wet = 62.7 (e)
   DRY
   Cup & Soil = 113.8
   Cup = 54.3
   Soil Dry = 59.5 (f)
   Soil Wet 62.7
   Soil Dry 59.5
   Moisture= 3.2
7. Moisture=
   Wet (e) - Dry (f) X100 / Dry (f) = 320 / 59.5 = 5.2 (7) %
8. Dry Density =
   Moist. Density (5) / 1.+ % Moist. (7) / 100 = 98.07 / 1.052 = 93.22
9. % Compaction = Dry Density / Max. Density = 93.22 / 98.1 = 95.03 %
10. Req. Density: 85+ %
11. Pass ✓ Fail

LOCATION: 5' West of Well #47

SUBSOIL INVESTIGATIONS

SOIL MECHANICS DRILLING CORP.

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Date: 6/10/2010

PROJECT: Mitchell Park Phase II

TEST # 4

Depth of test from final grade: -1.5'

FIELD DENSITY TEST

1. Wt. of Sand & Cone (a) = 15.88
2. Wt. of Sand & Cone (b) = 8.18
   Wt. of Sand = 7.65
   Sand in Cone = 3.59
   NET SAND = 4.06 (c)

3. Volume of Soil = .0418

   Net Sand (c) / Sand Volume = 4.06 / 97 =

4. Wt. of Soil & Can = 4.56
   Wt. of Can = .34
   Wt. of Soil = 4.22 (d)

5. Moist. Density = 100.9

   Wt. of Soil (d) / Vol. of Soil (3) = 4.22 / .0418 =

6. WET
   Cup & Soil = 153.5
   Cup = 54.3
   Soil Wet = 99.2 (e)

   DRY
   Cup & Soil = 148.3
   Cup = 54.3
   Soil Dry = 94.0 (f)

   Soil Wet 99.2
   Soil Dry 94.0
   Moisture = 5.2

7. Moisture =

$$\frac{\text{Wet (e)} - \text{Dry (f)} \times 100}{\text{Dry (f)}} = \frac{520}{94.0} = 5.53 \text{ (7) \%}$$

8. Dry Density =

$$\frac{\text{Moist. Density (5)}}{1 + \frac{\text{\% Moist. (7)}}{100}} = \frac{100.9}{1.0553} = 95.61$$

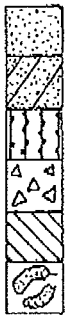
9. % Compaction = Dry Density / Max. Density = 95.61 / 98.1 = 97.46 %

10. Req. Density: 85+ %

11. Pass ✓ Fail _____

LOCATION: 8' EAST of Well # 40

JOB # 10-363 1/2



SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 679-4373

DATE 6-11-10

FIELD REPORT

	AM	PM
AIR TEMP.		75
WEATHER		Clear

CLIENT
CONTRACTOR Fenley + Nicol
PROJECT NYSDEC MGP Site Remediation Program
Hempstead Former Manufactured Gas Plant Site
AREA WORKED Well # 34 - #416, Trench Backfill
CONCRETE ☐
ASPHALT ☐ Backfill
OTHER ☒ Compaction
TOTAL MATERIAL PLACED PLANT INSPECTION YES ☐ NO ☐

CONCRETE

NO. OF CYLINDERS CAST SLUMPS CONCRETE TEMP.
AIR CONTENT ADMIXTURES

REINFORCING STEEL INSPECTION

LOCATION INSPECTED & APPROVED TYPE RE-BAR USED GRADE
A) SAME AS ABOVE LOCATION ☐
B) ADDITIONAL OR DIFFERENT LOCATION ☐

REJECTIONS ☐ EXPLANATION

SOILS

REMARKS Contractor Backfilled trench of monitor wells at the above location
Sand used for Controlled fill.
All tests resulted in 85% or more of modified Proctor
Compaction Results Attached

INSPECTED BY JP Mithell

Inspector: JP Mulhall Project: NYSDEC Hempstead Gas Plant

Today's Date: 6-11-10

Test Number	Wet Density	% Moisture	Dry Density	Maximum Density	% Compaction Achieved	% Compaction Required	Elevation & Location of Test
1	95.77	4.72	91.45	98.1	93.22	85	First lift, well # 38
2	94.73	5.25	90.0	↓	91.75	↓	" , well # 36
3	89.77	4.43	85.97		87.63		" , well # 35
4	97.48	3.32	94.30		96.13		Second lift, well # 40
5	99.34	3.43	96.04		97.91		" , well # 43
6	99.89	5.28	94.88		96.72		" , well # 46
7	94.68	4.19	90.87		92.63		" , well # 39
8	96.64	5.01	92.03		93.81		" , well # 37
9	94.62	4.93	90.08	↓	91.83	↓	" , well # 34

(MW Density Sheet)

As of 3/98, 11, 2009

Inspector: C. DIERCKS Project: 158 HILTON AVE

Today's Date: 7/19/10

Test Number	Wet Density	% Molsture	Dry Density	Maximum Density	% Compaction Achieved	% Compaction Required	Elevation & Location of Test
1	101.2	3.4	97.85	115	85.1	85%	2' BELOW GRADE
2	102	3.5	98.1	115	86.3	85%	2' BELOW GRADE #2 WELL
3	101.1	3.5	90	115	85.5	85%	2' BELOW GRADE
4	116	6.1	110	115	95.1	95	2' BELOW GRADE
5	116	6.0	111	115	95.6	95	2' BELOW GRADE

Inspector: ANDREW K

Project: 158 HOLTON HOMESTEAD

Today's Date: 7/22 - FINLEY + NICOL

Test Number	Wet Density	% Moisture	Dry Density	Maximum Density	% Compaction Achieved	% Compaction Required	Elevation & Location of Test
1	120.1	7.1	116.6		84.1	85%	
2	122.3	6.9	117.8		88.9	85%	
3	121.1	5.1	119.1		96.7	95%	
4	120.3	6.9	120.1		96.2		
5	119.6	7.1	119.6		94.7		
6	120.1	6.9	121.3		96.1		

Inspector: W. Devina Project: 158 Hilton

Today's Date: 8-11

Test Number	Wet Density	% Moisture	Dry Density	Maximum Density	% Compaction Achieved	% Compaction Required	Elevation & Location of Test
1	117.5		114.6	119.2	96.11	95%	Botton Lift east side
2	119.4		115.3		96.73	95%	Botton Lift west side
3	120		115.1		96.55	95%	Top lift east side
4	118.5		113.9		95.52	95%	Top lift west side

Inspector: ANDREW K

Project: 158 HILTON AVE

Today's Date: 8/4 FINLEY + NICO

Test Number	Wet Density	% Moisture	Dry Density	Maximum Density	% Compaction Achieved	% Compaction Required	Elevation & Location of Test
1	119.9	6.1	117.1		94.0	95%	(- 12" FROM BACK LOADS DRIVEWAY
2	119.1	6.1	115.0		95.8		
1	119.1	6.8	113.6		91.2	85%	SIDEWALK AREA
2	116.5	6.8	115.8		92.8		" "
3	115.3	5.7	114.6		91.9		" "
		ANDREW K				148 HILTON AVE HAMPTON	
						FINLEY + NICO	
1	115.0	4.1	113.6		98.7	95%	DRIVEWAY
2	115.7	6.5	116.4		92.4	"	
1	117.9	4.3	119.5		84.2	85%	SIDEWALK AREA
2	113.8	4.6	118.5		85.4		
3						*	

		← ANDREW	K	8/5		148 HILTON AVE Hempstead FINLEY + NICOL	
1	115.0	4.1	113.6		98.7	95%	DRIVEWAY
2	115.2	6.5	115.4		92.4	4	
1	117.2	4.3	119.5		84.2	85%	SIDEWALK AREA
2	113.8	4.6	118.5		85.4		
3							

JOB #

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 679-4373

DATE 9-17-10

FIELD REPORT

CLIENT Fenly 1 — AIR TEMP. AM | PM

CONTRACTOR Bi County — WEATHER Sunny | Sunny

PROJECT Hilton Hempstead

AREA WORKED Driveway to apartment Buildings

CONCRETE ☒ High early 10CC

ASPHALT ☐

OTHER ☐

TOTAL MATERIAL PLACED _____ PLANT INSPECTION YES ☐ NO ☒

CONCRETE

NO. OF CYLINDERS CAST 4 SLUMPS 3" CONCRETE TEMP. 87°

AIR CONTENT _____ ADMIXTURES _____

REINFORCING STEEL INSPECTION

LOCATION INSPECTED & APPROVED TYPE RE-BAR USED WWF GRADE _____

A) SAME AS ABOVE LOCATION ☐

B) ADDITIONAL OR DIFFERENT LOCATION ☐ _____

REJECTIONS ☐ EXPLANATION _____

SOILS

REMARKS Performed Inspection at above location. Concrete supplied was a High early supplied by Jenco Ready Mix. All concrete was poured with in allowable time frame WWF was place where driveway ramp is being placed.

INSPECTED BY W. Dan

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783 • (516) 221-2333

New York City License No. 28

REPORT NO.: 1

REPORT OF CONCRETE INSPECTION AND TESTING

JOB NO.: 10-508 SM LAB NO. 5510

CLIENT: Fenley & Nicol, 445 Brook Avenue, Deer Park, NY 11729

SHEET: 1 OF 1

PROJECT LOCATION: 158 Hilton Avenue, Hempstead

GENERAL CONTRACTOR:

DATE OF INSPECTION: 09/17/10

CONCRETE CONTRACTOR:

WEATHER:

AIR TEMP.:

CONCRETE PRODUCER: Bi County

Jenco

BATCH PLANT INSPECTION

BATCH WEIGHTS - LB/CY		SOURCE AND TYPE	SPECIFIED CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS
CEMENT			4000 CUBIC YARDS
FINE AGGREGATE			
COARSE AGGREGATE			
WATER (GALS.)			
ADMIXTURE			

AGGREGATE GRADATION
Cumulative Per Cent Finer

	FINE AGGREGATE	COARSE AGGREGATE	
3/8"			
#4			
#8			
#16			
#30			
#50			
#100			
FM		FM	
MOISTURE		MOISTURE	

FIELD INSPECTION

LOCATION OF CONCRETE PLACEMENT:

Driveway to apartment complex

ASTM C-143 C-173 C-1064 C-39

TEST SPECIMEN 4" WIDTH BY 8" LENGTH AREA 12.69 SQ.IN. UNLESS NOTED

SEAL NO.	SLUMP INCHES	AIR %	TEMP. CONC. (°)	AGE DAYS	TOTAL LOAD	COMPRESSIVE STRENGTH P.S.I.	BREAK TYPE	SPECIFIC LOCATION REPRESENTED BY TEST CYLINDERS
278607	3.00	--	--	7	42212	3330	Type 5	
278608				28				
278609				28				
278610				28				

REMARKS: Cylinders tested with unbonded caps, top & bottom per ASTM C1231.

* No defects in test specimens.

Rob Hill(ACI # 00049686)
CYLINDER TESTED BY

Will Devine
FIELD INSPECTOR

SOIL MECHANICS DRILLING CORP

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783 • (516) 221-2333

New York City License No. 28

REPORT NO.: 1

REPORT OF CONCRETE INSPECTION AND TESTING

JOB NO.: 10-508 SM LAB NO. 5510

CLIENT:

Fenley & Nicol, 445 Brook Avenue, Deer Park, NY 11729

SHEET: 1 OF 1

PROJECT LOCATION:

158 Hilton Avenue, Hempstead

DATE OF INSPECTION: 09/17/10

GENERAL CONTRACTOR:

WEATHER:

CONCRETE CONTRACTOR:

AIR TEMP.:

Bi County

CONCRETE PRODUCER:

Jenco

BATCH PLANT INSPECTION

BATCH WEIGHTS - LB/CY		SOURCE AND TYPE	SPECIFIED CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS
CEMENT			4000 CUBIC YARDS
FINE AGGREGATE			
COARSE AGGREGATE			
WATER (GALS.)			
ADMIXTURE			

AGGREGATE GRADATION
Cumulative Per Cent Finer

	FINE AGGREGATE		COARSE AGGREGATE	
3/8"				
#4				
#8				
#16				
#30				
#50				
#100				
FM			FM	
MOISTURE			MOISTURE	

FIELD INSPECTION

LOCATION OF CONCRETE PLACEMENT:

Driveway to apartment complex

TEST SPECIMEN 4" WIDTH BY 8" LENGTH AREA 12.69 SQ.IN. UNLESS NOTED

ASTM	C-143	C-173	C-1064			C-39		
SEAL NO.	SLUMP INCHES	AIR %	TEMP. CONC. (F)	AGE DAYS	TOTAL LOAD	COMPRESSIVE STRENGTH P.S.I.	BREAK TYPE	SPECIFIC LOACATION REPRESENTED BY TEST CYLINDERS
278607	3.00	—	—	7	42212	3330	Type 5	
278608				28	63071	4970	Type 5	
278609				28	62351	4920	Type 5	
278610				28	61770	4870	Type 5	

REMARKS: Cylinders tested with unbonded caps, top & bottom per ASTM C1231.

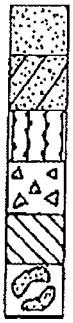
* No defects in test specimens.

Rob Hill(ACI # 00049686)
CYLINDER TESTED BY

Will Devine
FIELD INSPECTOR

SOIL MECHANICS DRILLING CORP

JOB # 10-508



SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 679-4973

DATE 9/20/10

FIELD REPORT

CLIENT Finley + Nicol
CONTRACTOR Bi-County
PROJECT 150 Hilton Ave. Hempstead

	AM	PM
AIR TEMP.	61°	73°
WEATHER		

AREA WORKED Sections of sidewalks on Hilton Ave including aprons
CONCRETE ☒ at corner of Kensington + Hilton.
ASPHALT ☐
OTHER ☐
TOTAL MATERIAL PLACED 7 Yards PLANT INSPECTION YES ☐ NO ☐

CONCRETE

NO. OF CYLINDERS CAST 4 SLUMPS 3" CONCRETE TEMP. 80°
AIR CONTENT 5% ADMIXTURES

REINFORCING STEEL INSPECTION

LOCATION INSPECTED & APPROVED TYPE RE-BAR USED GRADE 60
A) SAME AS ABOVE LOCATION ☒
B) ADDITIONAL OR DIFFERENT LOCATION ☐ 6x6 WIRE MESH AT BASE.

REJECTIONS ☐ EXPLANATION

SOILS

REMARKS

INSPECTED BY Andrew Katsaras

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783 • (516) 221-2933

New York City License No. 28

REPORT NO.: 2

REPORT OF CONCRETE INSPECTION AND TESTING

JOB NO.: 10-508 SM LAB NO. 5582

CLIENT:

Fenley & Nicol, 445 Brook Avenue, Deer Park, NY 11729 SHEET: 1 OF 1

PROJECT LOCATION:

158 Hilton Avenue, Hempstead DATE OF INSPECTION: 09/20/10

GENERAL CONTRACTOR:

WEATHER:

CONCRETE CONTRACTOR:

AIR TEMP.:

Bl County Concrete

CONCRETE PRODUCER:

Jenco

BATCH PLANT INSPECTION

BATCH WEIGHTS - LB/CY		SOURCE AND TYPE	SPECIFIED CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS
CEMENT			4000 CUBIC YARDS
FINE AGGREGATE			
COARSE AGGREGATE			
WATER (GALS.)			7
ADMIXTURE			

AGGREGATE GRADATION
Cumulative Per Cent Finer

	FINE AGGREGATE		COARSE AGGREGATE	
3/8"				
#4				
#8				
#16				
#30				
#50				
#100				
	FM		FM	
	MOISTURE		MOISTURE	

FIELD INSPECTION

LOCATION OF CONCRETE PLACEMENT:

Sections of side at 10 Hilton & corner of Kensington & Hilton Streets including aprons

TEST SPECIMEN 4" WIDTH BY 8" LENGTH AREA 12.68 SQ.IN. UNLESS NOTED

ASTM	C-143	C-173	C-1064			C-39		
SEAL NO.	SLUMP INCHES	AIR %	TEMP. CONC. (°)	AGE DAYS	TOTAL LOAD	COMPRESSIVE STRENGTH P.S.I.	BREAK TYPE	SPECIFIC LOACATION REPRESENTED BY TEST CYLINDERS
1690175	3.00	5.0	80	7	41711	3290	Type 5	Same as above
1690176				28				
1690177				28				
1690178				28				

REMARKS: Cylinders tested with unbonded caps, top & bottom per ASTM C1231.

* No defects in test specimens.

Rob Hill(ACI # 00049686) — CYLINDER TESTED BY

Andrew Katsalas — FIELD INSPECTOR

SOIL MECHANICS DRILLING CORP

SOIL MECHANICS DRILLING CORP.

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783 • (516) 221-2333

New York City License No. 28

REPORT NO.: 2

REPORT OF CONCRETE INSPECTION AND TESTING

JOB NO.: 10-508 SM LAB NO. 5582

CLIENT:

Fenley & Nicol, 445 Brook Avenue, Deer Park, NY 11729

SHEET: 1 OF 1

PROJECT LOCATION:

158 Hilton Avenue, Hempstead

DATE OF INSPECTION: 09/20/10

GENERAL CONTRACTOR:

WEATHER:

CONCRETE CONTRACTOR:

AIR TEMP.:

Bi County Concrete

CONCRETE PRODUCER:

Jenco

BATCH PLANT INSPECTION

BATCH WEIGHTS - LB/CY		SOURCE AND TYPE	SPECIFIED CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS
CEMENT			4000
FINE AGGREGATE			CUBIC YARDS
COARSE AGGREGATE			
WATER (GALS.)			7
ADMIXTURE			

AGGREGATE GRADATION
Cumulative Per Cent Finer

	FINE AGGREGATE		COARSE AGGREGATE	
3/0"				
#4				
#8				
#16				
#30				
#50				
#100				
FM			FM	
MOISTURE			MOISTURE	

FIELD INSPECTION

LOCATION OF CONCRETE PLACEMENT:

Sections of side at 10 Hilton & corner of Kensington & Hilton Streets including aprons

TEST SPECIMEN 4" WIDTH BY 8" LENGTH AREA 12.69 SQ.IN. UNLESS NOTED

ASTM	C-143	C-173	C-1064			C-39		
SEAL NO.	SLUMP INCHES	AIR %	TEMP. CONC. °	AGE DAYS	TOTAL LOAD	COMPRESSIVE STRENGTH P.S.I.	BREAK TYPE	SPECIFIC LOCATION REPRESENTED BY TEST CYLINDERS
1690175	3.00	5.0	80	7	41711	3290	Type 5	Same as above
1690176				28	60791	4790	Type 5	
1690177				28	61376	4840	Type 5	
1690178				28	62095	4900	Type 5	

REMARKS: Cylinders tested with unbonded caps, top & bottom per ASTM C1231.

* No defects in test specimens.

Rob Hill(ACI # 00049686)
CYLINDER TESTED BY

Andrew Katsalas
FIELD INSPECTOR

SOIL MECHANICS DRILLING CORP

JOB # 10-508

SOIL MECHANICS DRILLING CORP.
3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-2333 • FAX (516) 679-4979

DATE 9/29/10

FIELD REPORT

CLIENT Fenely & Nicol
CONTRACTOR Lindley Bros.
PROJECT 158 Hilton Ave Hempstead, NY
National Grid

	AM	PM
AIR TEMP.	69°	72°
WEATHER	Clear	→

AREA WORKED
CONCRETE ☐ - Asphalt Road repair located across Hilton Ave where the
ASPHALT ☑ Road Air Oxygen system was placed.
OTHER ☑ - Residential Asphalt driveway @ 158 Hilton Ave
TOTAL MATERIAL PLACED 29.89 TONS PLANT INSPECTION YES ☐ NO ☑

CONCRETE

NO. OF CYLINDERS CAST ____ SLUMPS ____ CONCRETE TEMP. ____
AIR CONTENT ____ ADMIXTURES ____

REINFORCING STEEL INSPECTION

LOCATION INSPECTED & APPROVED TYPE RE-BAR USED ____ GRADE ____
A) SAME AS ABOVE LOCATION ☐
B) ADDITIONAL OR DIFFERENT LOCATION ☐

REJECTIONS ☐ EXPLANATION

SOILS

REMARKS Lindley Bros. placed asphalt located in the two areas noted above. 3" of asphalt was set on Hilton Ave: 36D 1A BP was the material used. TWO 1½" courses were placed and compacted with a Vibratory alberal plate tamper. Density test were performed on the top wearing course. The density test had a requirement of 96% of the materials marshall value. The course was rolled until the test reached or exceeded the required 96%. The driveway at 158 Hilton was repaired. The temps taken on the loads ranged btw. 278°-294°F. All test are done in strict accordance to the site specs.

INSPECTED BY [signature]

APPENDIX D

PROJECT PHOTO LOG

PHOTOGRAPH LOG

Photo 1: Site Preparation

Photo 2: Site Preparation

PHOTOGRAPH LOG

Photo 3: Trench Excavation

Photo 4: Trench Excavation

PHOTOGRAPH LOG

Photo 5: Oxygen Line Installation

Photo 6: Oxygen Line Installation

PHOTOGRAPH LOG

Photo 7: Oxygen Line Installation

Photo 8: Oxygen Line Installation

PHOTOGRAPH LOG

Photo 9: Oxygen Line Installation

Photo 10: Oxygen Line Installation

PHOTOGRAPH LOG

Photo 11: Compaction

Photo 12: Compaction

PHOTOGRAPH LOG

Photo 13: Compaction

Photo 14: Compaction

PHOTOGRAPH LOG

Photo 15: Shed Delivery and Installation

Photo 16: Shed Delivery and Installation

PHOTOGRAPH LOG

Photo 17: Shed Delivery and Installation

Photo 18: Sidewalk Restoration

PHOTOGRAPH LOG

Photo 19: Sidewalk Restoration

Photo 20: Sidewalk Restoration

PHOTOGRAPH LOG

Photo 21: Restoration

Photo 22: Restoration

PHOTOGRAPH LOG

Photo 23: Restoration

Photo 24: Roadway Restoration

APPENDIX E

SOIL AND WASTE CHARACTERIZATION DOCUMENTATION

PERMITS FOR WASTE DISPOSAL

TRANSPORTAION & DISPOSAL MATRIX

Hempstead Intersection Street
Former MGP Site
Nassau County, New York

Waste Material	Facility Information
Off-Site Transportation & Disposal of Impacted Soils and PPE	Low Temperature Thermal Desorption Clean Earth of Southeast PA, Inc. 7 Steel Road East Morrisville, PA 19067 PADEP Permit #301254 Disposal Conditions: - TSCA/RCRA Non-hazardous Waste - Moisture < 15% - Debris < 5:% (non-crushable or steel debris must come off of truck) - Debris over 2x2x2 and > 5% - surcharged - TPH every 5,000 ppm over 1.5% - surcharged - Every % moisture > 15% - surcharged - Surcharges may apply to High Sulfur coal tar or coal tar slag
Off-Site Transportation & Disposal of Recovered Groundwater and Used Decontamination Liguids	Water Treatment & Permitted Discharge Clean Water of New York, Inc. 3249 Richmond Terrace Staten Island, NY 10303-0312 NYSDEC Part 360 Facility DEC Permit No. 2-6401-00065/00001 Disposal Conditions: - TSCA/RCRA Non-hazardous Waste - TOX < 1,000 ppm - PCB's < 2 ppm - Flashpoint > 100°F and < 140°F - pH > 4 and < 10 - 2,000-gallon minimum
Off-Site Transportation & Disposal of Construction and Demolition Debris (Clean Concrete) and Clean Soils	NYSDEC Permitted Clean Fill Landfill 110 Sand Company Clean Fill Disposal Site 136 Bethpage-Spagnoli Road Melville, NY 11747 Permit #1-4726-00490/00003 Disposal Conditions: Clean Fill (Concrete, steel, wood, dirt, soil, glass, construction & demolition debris and other inert material as designated by NYSDEC)

Pennsylvania Department of Environmental Protection

2 East Main Street
Norristown, PA 19401

January 19, 2007

Southeast Regional Office

484-250-5960
Fax 484-250-5961

CERTIFIED MAIL NO. 7001 2510 0005 9957 9912

Mr. Michael Goebner
Clean Earth of Southeast Pennsylvania, Inc.
7 Steel Road East
Morrisville, PA 19067

Re: Permit Renewal/Reissuance/Modification
Clean Earth of Southeast Pennsylvania, Inc.
Falls Township, Bucks County
ID No. 301254
APS No. 349490, AUTH No. 358980 (RPAP)
APS No. 349490, AUTH No. 535830 (Renewal and Reissuance

Dear Mr. Goebner:

The Pennsylvania Department of Environmental Protection (Department) has reviewed your application to renew the above referenced permit, to reissue the permit from R3 Technologies, Inc. and Soil Technology, Inc. to Clean Earth of Southeast Pennsylvania, Inc., and to modify the permit to incorporate a radiation protection action plan (RPAP). We have determined that you have satisfied all applicable requirements necessary to perform this activity. Therefore, we have issued the enclosed permit in accordance with Act 97, the Pennsylvania Solid Waste Management Act. Please direct any questions to Mr. James Wentzel, Chief, Engineering Services.

Compliance with the limitations and stipulations that have been set forth on your permit is mandatory.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 PA C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action, unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-3483.

This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statues and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

Thank you for your cooperation.

Sincerely,

Ronald C. Furlan, P.E.
Regional Manager
Waste Management Program

Enclosure: Permit

cc: Falls Township (w/enclosure)
Bucks County Health Department (w/enclosure)
Mr. Logan, CPS, Inc. (w/enclosure)
Re 30

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Permit
For
Solid Waste Disposal and/or Processing Facility
FORM NO. 8

Permit No. 301254
Date Issued January 19, 2007
Date Expired January 19, 2017

Under the provisions of the Pennsylvania Solid Waste Management Act of July 7, 1980, Act 97, a permit for a solid waste disposal and/or processing facility at (municipality) Falls Township in the County of Bucks is granted to (applicant) Clean Earth of Southeast Pennsylvania, Inc.

(address) 7 Steel Road East, Morrisville, PA 19067.

This permit is applicable to the facility named as: Clean Earth of Southeast Pennsylvania, Inc.

Latitude - 40°, 10', 45"

Longitude - 74°, 45', 55"

This permit is subject to modification, amendment and supplement by the Department of Environmental Protection and is further subject to revocation or suspension by the Department of Environmental Protection for any violation of the applicable laws or the rules and regulations adopted there under, for failure to comply in whole or in part with the conditions of this permit and the provisions set forth in the application No. 301254 which is made a part hereof, or for causing any condition inimical to the public health, safety or welfare.

See Attachment for waste limitations and/or special conditions.

FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

THIS PERMIT IS NON - TRANSFERABLE

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Permit
For
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FORM NO. 8

Permit No. 301254
Date Issued January 19, 2007
Date Expired January 19, 2017

1. This waste management permit is modified, reissued and renewed based upon applications No. 301254 (APS No. 349490 and AUTH No. 358980 – modification, APS No. 349940 and AUTH No. 535830 – renewal/reissuance), which were received in the Southeast Regional Office of the Department of Environmental Protection on June 15, 2001, and February 17, 2004. All aspects of the June 15, 2001, modification were subsequently withdrawn on March 30, 2004, except for the radiation protection action plan (RPAP) component. The February 17, 2004, renewal application was subsequently modified (twice) to incorporate the reissuance of the permit (1) from R3 Technologies, Inc. to Soil Technology, Inc. and then (2) from Soil Technology, Inc. to Clean Earth of Southeast Pennsylvania, Inc. All of these application requests have been combined into the permit action taken herein.

This approved application consists of the following documents (unless otherwise noted, received and revised refer to the dates documents were received by the Department and not necessarily the dates of the documents themselves):

General Information Form received on February 17, 2004, revised June 7, 2004, September 9, 2004, and June 1, 2006
Form A received on February 17, 2004, revised June 7, 2004, September 9, 2004, June 24, 2005, September 28, 2005, June 1, 2006, August 16, 2006, September 25, 2006, and January 16, 2007
Form B received on February 17, 2004, revised September 9, 2004
Form B1 received on February 17, 2004 and revised September 25, 2006
Form HW-C received on February 17, 2004, revised June 7, 2004, September 9, 2004, June 24, 2005, June 1, 2006, and August 16, 2006
Form D received on February 17, 2004, revised on September 9, 2004
Form E received on February 17, 2004, revised on June 7, 2004, September 9, 2004, June 1, 2006, August 16, 2006, and August 18, 2006
Form G(A) received on February 17, 2004, revised on September 9, 2004
Form I received on February 17, 2004, revised on September 9, 2004
Form L and the PPC Plan received on February 17, 2004, revised on September 9, 2004, and June 1, 2006
Form P received on February 17, 2004, revised on September 9, 2004, June 24, 2005, September 28, 2005, June 1, 2006, September 25, 2006, November 2, 2006, and January 16, 2007

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Permit
For
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Date Issued January 19, 2007
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Form R received on February 17, 2004, revised on September 9, 2004, June 24, 2005, September 28, 2005, December 5, 2005 (page 7A only), June 1, 2006, September 25, 2006, November 2, 2006, and January 16, 2007
Form X received on May 1, 2002, revised on March 30, 2004, September 9, 2004, June 24, 2005, September 28, 2005, and August 16, 2006
Form 5R received on February 17, 2004, revised on September 9, 2004, and September 25, 2006
Form 18R received on February 17, 2004, revised on September 9, 2004
Bonding Estimates received on February 17, 2004, revised on September 9, 2004, June 24, 2005, September 28, 2005, December 5, 2005, June 1, 2006, and September 25, 2006
Drawing No. 1 received on February 17, 2004
Drawing No. 1A received on September 9, 2004, revised September 28, 2005
Drawing D-001, Site Plan, received on September 25, 2006, and revised November 2, 2006

This approved application includes responses to the Department's review letters of February 26, 2004, July 21, 2004, November 15, 2004, July 26, 2005, August 31, 2005 (via email), November 17, 2005 (via email), July 5, 2006, September 1, 2006, and October 23, 2006 (via email), received on March 5, 2004, September 9, 2004, June 24, 2005, September 28, 2005, December 5, 2005, August 16 and 18, 2006, September 25, 2006, and November 2, 2006, respectively, for the renewal/reissuance application. Also included are responses relating to Form X comments received on May 1, 2002, and March 30, 2004, which were subsequently revised by the September 9, 2004, June 24, 2005, September 28, 2005, and August 16, 2006, responses listed above.

The contents of all the above listed documents are, hereby, incorporated in the permit as conditions with which the permittee must comply. Where the terms or conditions of this permit differ from the above referenced documents, the terms or conditions of this permit shall apply. This permit replaces, in their entirety, the terms and conditions of the permit originally issued on March 15, 1994, and that permit's subsequent revisions.

(NOTE: For some of the forms listed above, particularly Forms A, E, HW-C, L, X and Drawing D-001, the last revision includes a complete, comprehensive revision to the form or drawing that fully replaces previous versions or revisions. For Forms P and R, the November 2, 2006, revisions are the last comprehensive revisions to each form that supersede all previous versions and which, in turn, have been modified on January 16, 2007 (Pages 19-20 only for Form P and pages 11-14 only for Form R). For other forms, the subsequent revisions may involve partial or component revisions that modify the

COMMONWEALTH OF PENNSYLVANIA
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Date Issued January 19, 2007
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previous version(s) without necessarily replacing those parts of the previous version(s) not specifically modified by the revision.)

2. Nothing in this permit shall be construed to supersede, amend, or authorize violation of, the provisions of any valid and applicable local law, ordinance, or regulation, provided that said local law, ordinance, or regulation is not pre-empted by the Pennsylvania Solid Waste Management Act, the Act of July 7, 1980, Act 97, 35 P.S. 6018.101, et seq.

3. As a condition of this permit, and of the permittee's authority to conduct the activities authorized by this permit, the permittee, hereby, authorizes and consents to allow authorized employees or agents of the Department, without advanced notice or a search warrant, upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas on which solid waste management activities are being or will be conducted. The authorization and consent shall include consent to collect samples of waste, water or gases, to take photographs, to perform measurements, surveys and other tests, to inspect any monitoring equipment, to inspect the methods of operation, and to inspect and/or copy documents, books or papers required by the Department to be maintained. This permit condition is referenced in accordance with Sections 608 and 610(7) of the Solid Waste Management Act, 35 P.S. Sections 6018.608 and 6018.610(7). This condition in no way limits any other powers granted under the Solid Waste Management Act.

4. a. This facility may not accept residual waste unless the Department has specifically approved the processing and management of the waste as a part of this permit.

   b. Hazardous waste may not be stored, processed or disposed at the facility.

   c. Municipal waste, including construction/demolition waste and sewage sludge, may not be stored processed or disposed at the facility.

   d. Other special handling wastes may not be stored, processed or disposed at the facility unless the Department has specifically approved the processing and management of the waste as a part of the permit.

   e. Sewage sludge that has been processed pursuant to a general permit issued by the Department's Bureau of Water Supply and Wastewater Management pursuant to 25 Pa. Code Chapter 271,

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
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Date Issued January 19, 2007
Date Expired January 19, 2017

Subchapter J, and that meets a Class A or Class B pathogen requirement (i.e., biosolids) may be accepted and further processed at this facility provided that said acceptance and processing is also conducted pursuant to a Bureau of Waste Management General Permit issued pursuant to 25 Pa. Code Chapter 271, Subchapter I, or Chapter 287, Subchapter H, subject to any additional limitations or restrictions as may be contained in this permit. The permittee shall submit to the Southeast Regional Office, Waste Management Program, an analysis of the terms and conditions of any such general permit that may be issued along with an evaluation of the impact of the general permit on the terms and conditions of this individual permit. The Department will review this analysis to determine if this permit requires revision or modification to adequately incorporate the processing and beneficial use requirements of the general permit. The Permittee shall not conduct processing or beneficial use operations under the general permit until or unless written approval is obtained from the Department's review pursuant to this sub-condition.

5. The permitted days and hours for acceptance of waste are Monday through Saturday from 6:00 a.m. to 6:00 p.m. The facility's permitted days and hours of on-site operations are 24 hours per day, seven days per week. Waste acceptance and/or operations may be extended due to extreme weather conditions in accordance with the following procedure. Prior to extending operations, justification for such an extension must be mailed or faxed to the Waste Management Program Manager or his designee. Written concurrence that the extension is justifiable needs to be received by the permittee from the manager, or his designee, before extended operations may be implemented. All other requests to extend operating hours must be requested in advance of need and be approved, in writing, in advance by the Department.

6. The maximum amount of solid waste (including any sewage sludge/biosolids accepted pursuant to Condition 4, above) and that may be accepted for processing shall not exceed 2,400 tons per day (tpd). Clean fill, as that material is defined by the Department's Management of Fill policy (Document Number 258-2182-773), shall only be managed at the facility pursuant to Section 2.5 of Form P and the amounts of clean fill received at the facility each day shall be counted against the facility's 2,400 tpd daily volume limitation until or unless a revised traffic impact study is submitted to and approved by the Department to address additional traffic associated with clean fill operations. Other than being counted towards the facility's daily volume limitation as described above and being included in the facility's record keeping requirements described in Conditions 8 and 9 of this permit, clean fill is not otherwise subject to regulation pursuant to this permit unless its management at the facility creates or contributes to on or off site nuisances.

COMMONWEALTH OF PENNSYLVANIA
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7. The operator shall inspect each load in accordance with its approved plan under 25 Pa. Code Section 287.134 of the Residual Waste Regulations, to ensure compliance with that Section and Section 297.201.

8. All analyses (including but not limited to pre-approval, pre-acceptance, post-treatment) of solid waste that is accepted at the facility and all documentation regarding environmental due diligence determinations for clean fill managed at the facility shall be maintained by the operator on-site for a minimum of five years after the analyses/determinations are performed, unless the permittee's application specifies a longer retention timeframe. These records must be made available to representatives of the Department upon request.

9. Daily operational records must be kept in a format outlined in Section 297.261 of the Residual Waste Rules and Regulations. This must include the type and amount of material (solid waste, clean fill) accepted each day, the source or generator of the material, the amount of material processed each day, the type and amount of material added to the processed material storage pile each day, the type and amount of material (solid waste, clean fill) transported off site each day, and the use and destination of the material that is transported off site each day.

10. An annual operations report is to be submitted on or before June 30th of each year to the Department's Southeast Regional Office in accordance with the format outlined in Section 297.262 of the Residual Waste Rules and Regulations. This must be accompanied by the annual permit administration fee.

11. The facility is permitted to accept and to process by physical means (screening, mixing or blending) and/or by thermal remediation the following contaminated materials: naturally-occurring soils and aggregates composed of clay, silt, sand, natural organic matter, gravel, rock and stone that are removed from the ground after becoming contaminated to non-hazardous levels by hydrocarbon contaminants. For the purposes of this permit, hydrocarbon contaminants shall consist of virgin and non-virgin petroleum hydrocarbons (gasoline; jet fuel; kerosene; diesel fuel; No. 2-6 fuel oil; asphalt, petroleum and coal tars; greases; crude oil; heating oil; and lubricating oil) and oxygenated hydrocarbons (alcohols; ethers; organic acids; and ethylene glycol). The descriptions and listings contained herein are intended to be limiting. When used in this permit, the terms "contaminated material", "contaminated materials", "hydrocarbon contaminant", and "hydrocarbon contaminants" shall be restricted to the descriptions and listings contained above. For contaminated materials or hydrocarbon contaminants that are not specifically described above, the permittee must submit a Form U disposal request for Department

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Permit
For
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review and approval prior to acceptance and processing, and might be required to submit a permit modification if the request is deemed to be for a type of waste not approved in this permit.

12. a. Incoming contaminated material that is being sampled as part of the onsite waste acceptance and screening process shall be staged in the truck at the designated staging area (identified as the staging area for detected RAM loads) while awaiting review and acceptance of analytical results prior to being placed inside the contaminated material storage building (building). Incoming contaminated material that is not being sampled shall be visually inspected for compliance with the requirements of Form R, Section 3.2 prior to being placed inside the building. Incoming contaminated material from a particular job or from a particular job that is received during the operating day (in cases material receipt for a job extends beyond a single day) shall be segregated from other materials when initially placed inside the building until all onsite waste acceptance screening samples collected for that job, or for the batch of material received from that job during the operating day, have been analyzed and found acceptable. Should any screening sample collected for that job, or for the batch of material received from that job during the operating day, fail to meet acceptance criteria for any parameter analyzed, the segregated material shall be rejected (returned to the generator or sent to an acceptable processing or disposal facility) or else the entire quantity of segregated material shall be resampled by collecting and analyzing samples that are representative of the entire quantity of segregated material in the number specified by Condition 15 for that quantity of material. If the resampling demonstrates compliance with the facility's waste acceptance criteria, then the material may remain at the facility for processing. If the resampling indicates that all or a portion of the material does not meet waste acceptance criteria, then all or that portion of the material that is unacceptable shall be rejected. No blending of the material with other material inside the building shall occur until this procedure has been satisfied.

b. Incoming contaminated material shall be staged or stored in Areas 1 to 6, as indicated on Drawing No. 1A, except that non-recyclable oversized material may also be stored in Area 7 pursuant to Condition 19. Each storage area measures 28' wide by 130' deep as measured from the back wall of the building. All contaminated material must be stored inside the building and said storage shall be limited to the footprint defined by these six areas (168' wide by 130' deep), thereby maintaining a 20' clear zone between the edge of the permitted storage area and the front wall (overhead door side) of the building for unimpeded vehicle and equipment movement inside the building. Pile height must not be higher than the roof frame and shall be sufficiently below

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the roof frame to allow equipment to maneuver on and within the pile(s) without the possibility of the equipment damaging the roof or its supporting structure.

c. Areas 1 and 2 shall be used for the staging or storage of only regulated fill material or material intended for direct reuse without thermal remediation. In addition to any temporary segregation required pursuant to Condition 12a above, relating to segregation of material as part of the onsite waste acceptance screening procedures, regulated fill material and direct reuse material staged or stored in Area 1 and/or 2 at the same time are to be segregated from each other by physical barriers. No mixing or blending of regulated fill material with direct reuse material is allowed at any time. Incoming contaminated material requiring thermal remediation shall be staged or stored only in Areas 3 to 6. However, any or all of Areas 3 to 6 may be used to stage or store regulated fill material and/or direct reuse material provided that:

i. All material intended for thermal remediation is first removed from the area(s) and the area(s) are cleaned to the greatest extent practical;

ii. Regulated fill material and direct reuse material stored in the area(s) shall be physically segregated from each other as specified in Condition 12.c, above; and,

iii. The area(s) being used for staging or storage of regulated fill material and/or direct reuse material shall be clearly marked, including visual markings, to prevent the placement of contaminated material intended for thermal remediation in the area(s).

d. Except as may be allowed pursuant to Condition 19, relating to non-recyclable, oversized material storage, Area 7, as indicated on Drawing No. 1A, shall be used only for blending and/or physical processing preparation of contaminated material removed from storage from Areas 1 to 6. This use may entail staging of material removed from Areas 1 to 6 prior to, and/or after, blending or physical processing in preparation for being thermally remediated or moved to outside storage in the case of regulated fill or direct reuse materials not requiring thermal remediation. Incoming material shall not be directed to Area 7 for staging or storage. Further, Area 7 shall be used to stage and process either soil intended for thermal remediation or regulated fill/direct reuse materials, but not both at the same time. Regulated fill material and

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direct reuse material shall be segregated from each other at all times, including contact in processing equipment, when in Area 7. No regulated fill and/or direct reuse material may be in Area 7 at any time when material intended for thermal remediation is present, and visa versa. Area 7 , including processing equipment, shall be appropriately decontaminated when switching between the management of regulated fill, direct reuse materials or materials intended for thermal remediation so that cross-contamination between material types does not occur.

e. At no time may the amount of contaminated material inside the building (Areas 1 through 7 inclusive) exceed 17,500 tons. The permittee shall maintain adequate records of incoming and outgoing materials and material processed to determine the amount of contaminated material contained inside the building at any given time. Said determination must be provided to the Department upon request and shall be recorded in the facility's operational records on at least a daily basis. In addition, the permittee shall accurately measure the volume of all the contaminated material inside the building at least once per calendar quarter and compare the measured volume determination to the volume determination based on facility record keeping. Results of this determination shall be recorded as part of the facility's daily operation record. If the permittee, through its record keeping and quarterly measurement comparisons, is unable to document the amount of contaminated material inside the building to the Department's satisfaction, the permittee shall conduct pile volume measurements or surveys to determine the amount of contaminated material present upon written request from the Department.

13. Processed sewage sludge (i.e., biosolids) accepted pursuant to Condition 4, above, shall be stored in a 35' by 70' area within Area 7 as indicated on Drawing No. 1A. No more than 1000 tons of this material may be store on site at any time, not counting material that may be contained in processed soil blends stored in the outside processed soil stockpile area. When not used for biosolids storage, the 35' by 70' area may be used for activities approved for Area 7 in Condition 12, above. The permittee shall keep a Biosolids Evaluation and Certification Form, including all supporting documentation, for each generator on file at the facility for a minimum of 5 years.

14. Waste characterization shall be conducted in accordance with Section 2 of Form R, relating to types of contaminated wastes, site characterization, waste approval, characterization and approval for biosolids, and shipment of approved waste material. Each sample required for site characterization (Form R, Section 2.2, and Soil Profile Sheet Tables B and C) shall be a discrete grab sample when analyzing for TPH and TOX and a composite of at least three discrete and representative grab samples when analyzing

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for Total Metals, PCB, ignitability, reactivity and corrosivity, and each sample (grab or composite consisting of three grabs) shall be collected at the frequency specified in Table 1 of Form R, Section 2.3. The acceptance limits contained in Table 1, Form R, Section 2.3, are absolute maximums concentrations. TCLP is required when metals are twenty times the RCRA limits. When a project is not the result of a virgin petroleum fuel spill or tank pull, TCLP for RCRA organics is required.

15. Onsite waste acceptance shall be conducted in accordance with Section 3 of Form R, relating to screening of incoming loads, rejection of loads, and oversize material. All incoming contaminated material shall be screened onsite for total petroleum hydrocarbons (TPH), total organic halides (TOX), and polychlorinated biphenyls (PCBs). One grab sample per 60 tons of contaminated material containing the following (virgin or non-virgin) hydrocarbon contaminants shall be taken and analyzed for TPH, TOX and PCBs: gasoline; jet fuel; kerosene; diesel fuel; No. 2-4 fuel oil; heating oil; alcohols; ethers; organic acids; and ethylene glycol. One grab sample per 250 tons of contaminated material containing the following (virgin or non-virgin) hydrocarbon contaminants shall be taken and analyzed for TPH, TOX and PCBs: No. 5-6 fuel oil; asphalt, petroleum and coal tars; greases; crude oil; and lubricating oil. The maximum allowable concentration of TPH for incoming contaminated material may not exceed 45,000 mg/kg using a portable photo ionization detector (PID). The maximum allowable concentration of TOX for incoming contaminated material may not exceed 1000 mg/kg using a Dexsil L 2000 or equivalent. The maximum allowable concentration of PCBs for incoming contaminated material may not exceed 4 mg/kg using Dexsil extraction method or equivalent.

16. A Form U document must be submitted to the Department in accordance with the following procedures prior to the acceptance of (1) virgin and oxygenated hydrocarbon contaminated material with TPH concentrations between 10,000 and 45,000 mg/kg and (2) any non-virgin hydrocarbon contaminated material:

    a. All solid waste must be consistent with the requirements stated in the waste analysis and classification plan contained in Form R, as incorporated in Condition 1 of this permit, except to the extent that the requirements of Form R are superseded by the terms and conditions of this permit.

    b. The permittee shall not accept any solid waste not included in the Form R submission unless a permit modification is submitted to, and approved by, the Department.

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c. The permittee shall not accept, receive or process hazardous waste as defined in 25 PA Code Chapter 261a or 40 CFR Part 261.

d. Virgin hydrocarbon contaminated material with TPH concentrations less than 10,000 mg/kg and contaminated material from small quantity residual waste generators do not need to have Form U documents submitted to the Department prior to their acceptance at the facility and, consequently, are not subject to the submittal and review requirements described in Condition 16f. The permittee must keep waste characterization documents, including a Form U, on file at the facility to demonstrate that the waste streams accepted pursuant to this sub-condition are not hazardous, comply with the facility's waste characterization requirements as outlined in Condition 14, and comply with the requirements of this condition (other than 16f). A quarterly report, to be submitted within thirty (30) days of the end of the calendar quarter (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec), shall be submitted to the Department's Southeast Regional Office listing information by generator including the waste type, approved quantity, quantity accepted, generator identification number, the identification number for each Form U document and the end use category that governed the level of remediation (see Condition 16g) for all waste received during the calendar quarter that did not require the submittal of a Form U to the Department.

e. All Form U documents must be kept on file and are to be available for inspection by the Department. Each Form U document shall be assigned a sequential identification number that is to be recorded on all forms submitted to the Department.

f. The permittee must submit a Form U waste processing request for each waste stream not exempted from the submission requirement pursuant to Condition 16d, above. Proof of submission to the Department shall be dated certified mail return receipt cards; signed, dated, acceptance receipts for hand delivered requests; signed, dated receipts for overnight mail/federal express delivery; or some other delivery/receipt mechanism as may be approved by the Department. The waste indicated on Form U may be accepted for processing by the permittee after fifteen (15) calendar days. If, at any time after the fifteen (15) calendar day period, it is determined by the Department that the waste accepted for processing is not consistent with the waste analysis and classification plan or the design of the facility, the permittee shall be subjected to all and any applicable enforcement action of the Solid Waste Management Act or

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the Department's rules and regulations promulgated thereunder. Absence of disapproval by the Department before and after the waiting period does not constitute an approval or final action of the Department.

g. All Form U documents shall indicate the intended end use mechanism for the material that is to be processed as well as the end use category (Category 1 – 5, refer to Form P, Section 4.6) that will govern the level of remediation.

17. a. After exiting the thermal treatment unit, processed material shall be conveyed by radial stacker to the Remediated Product stockpile area, as indicated on Drawing No. 1A. This area , also known as the temporary stockpile area, measures approximately 50' by 36' by 20' high and shall be limited to no more than 1333 cubic yards or 2000 tons at any time. Material shall remain at this location until post-treatment testing and analysis have been conducted to verify the effectiveness of the thermal remediation process. At a minimum, one grab sample per 50 tons of thermally processed material shall be collected and analyzed for TPH and volatile organic compounds (VOCs). Effective thermal remediation shall be based upon none of the TPH concentrations of the grab samples exceeding the applicable category limitation and none of the VOCs concentrations exceeding 2 ppm or the individual organic compound limitations specified by the implementing mechanism for the intended end use, with the latter not to exceed 250 ppm (see Form P, Section 4.6 and Table 4). Material meeting the effective remediation standards shall be moved and stored in the processed material storage area, pursuant to condition 18, below. Material not meeting the effective thermal remediation standards shall be moved inside the building for storage in Areas 3 – 6 pending re-processing, or for staging in Area 7 for immediate re-processing. Material returned to the building for re-processing shall be managed as contaminated material and shall be included as part of the 17,500-ton storage limitation contained in Condition 12, above.

b. Regulated fill and direct reuse material meeting end use requirements without thermal processing but only requiring physical processing shall be moved and stored in the outside processed material storage area, pursuant to condition 18, after physical processing.

c. Processed material, after being blended with biosolids as a soil amendment, shall be tested for the parameters and at the frequency specified in the general permit authorizing said processing and beneficial use.

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18. a. Material meeting the effective thermal remediation standards shall be moved from the temporary stockpile area and shall be stored in the processed material stockpile area, which is a kidney-shaped area approximately 200' by 350', as shown on Drawing No. 1A. In addition, regulated fill and direct reuse material shall be moved from Area 7 after physical processing and shall be stored in this processed material stockpile area. Within this area, processed material may be stored in any configuration within the area so long as no more than 7407 cubic yards or 11,100 tons of material is stored at any time and so that pile height does not exceed 20'. Piles shall be adequately segregated and marked (including batch numbers as well as narrative descriptors – regulated fill, Category 1-5 fill, etc.) according to end use requirements. All material placed in the processed material stockpile area shall meet the Category 1 effective remediation limit unless an agreement is in place with a defined end user for an end use allowing for a different effective remediation limit that also specifies a timeframe for, and quantity of, the material needed (see Form P, Section 4.6 and Table 4).

b. Once each operating day, the permittee shall monitor each new pile, or each existing pile to which additional material has been added, that contains regulated fill or direct reuse material. The pile(s) shall be monitored for VOCs in accordance with Section 4.6 of Form P. If any reading for a pile exceeds 100 ppm, that pile shall immediately be covered with a tarp or cover to minimize fugitive emissions, in accordance with Section 4.7.1 of Form P. If any reading for a pile exceeds 250 ppm, that pile shall immediately be relocated back into the building for storage in an appropriate area of the building (areas 3 – 6) to be managed as soil intended for thermal remediation pending re-processing, in accordance with Section 4.7.2 of Form P. A record shall be kept of the daily VOC readings, the TPH category of the each pile(s) corresponding to the daily VOC readings (and/or actual TPH values for each pile, if known), and each incident of implementation of the control measures required pursuant to Section 4.7 of Form P (cover or tarp placement, movement of material back into the building). Material returned to the building for re-processing shall be managed as contaminated material and shall be included as part of the 17,500-ton storage limitation contained in Condition 12, above.

c. Pursuant to Condition 6 of this permit, and as indicated on Drawing D-001, clean fill may be stored in a portion of the processed material stockpile area to the extent that said storage does not

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interfere with the permitttee's ability to abide by, or comply with, the terms and conditions of this permit. Clean fill shall be segregated from processed material by a physical barrier, which may be adjusted to suit operational needs.

d. The permittee shall maintain adequate records of incoming and outgoing materials and material processed to determine the amount of processed material contained outside the building (in areas described in Conditions 17 and 18 of this permit) at any given time. Said determination must be provided to the Department upon request and shall be recorded in the facility's operational records on at least a daily basis. If the permittee, through its record keeping, is unable to determine the amount of contaminated material outside the building to the Department's satisfaction, upon written request from the Department, the permittee shall configure the processed material outside the building in such a manner as to allow for pile volume measurements or surveys to be conducted to determine the amount of processed material present.

e. The storage of processed material and clean fill shall be in a manner that will not create a nuisance or be harmful to public health, safety, or the environment, and shall be in a manner that prevents the dispersal of processed material by wind or water erosion.

f. Runoff from the processed material storage area, including runoff from processed material and/or clean fill storage areas, shall not cause surface water pollution or groundwater degradation and shall be managed in accordance with The Clean Streams Law and regulations promulgated thereunder. Runoff from the processed material storage area shall be diverted or otherwise controlled so that runoff, including runoff-laden sediment, does not flow onto or through the clean fill storage area(s) or come in contact with clean fill material.

g. At a minimum of once per calendar quarter, the permittee shall collect a sample of stormwater runoff from the processed material storage area and analyze the sample for TPH, total suspended solids and the thirteen priority pollutant metals (total and dissolved), unless the permittee certifies that there was insufficient rainfall to generate runoff capable of being sampled in that calendar quarter. The sample shall be collected during the initial 30 minutes of the discharge from the processed material storage area, or as soon as practicable thereafter, and shall be collected prior to discharge to the sedimentation basin. Quarterly sample results shall be submitted to the Department's Southeast Region Waste Management Program Manager no later than 30 days after the end of the calendar quarter for which the sample was to be taken. After

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obtaining four quarters of actual sample results, the permittee shall submit a report evaluating (1) the quality of the stormwater runoff, (2) the effectiveness of runoff controls and (3) the need for continued or additional surface water and/or groundwater monitoring, pursuant to 25 Pa. Code 297.233. As a part of the evaluation, the permittee may request a reduction or elimination of the runoff-sampling program if it believes the data results support such a request. The quarterly sampling program shall remain in effect until modified or eliminated by the Department, in writing, pursuant to this condition.

19. Oversized material shall be limited to contaminated material approved for waste acceptance that fails to pass a two-inch or larger screen. Recyclable oversized material shall be oversized material as described above that is determined to be uncontaminated based on both visual inspection and portable PID testing. Recyclable oversized material may be stored either inside the building or outside the building in the treated material stockpile area described in Condition 18, above, and may be marketed for a suitable use, pending any additional testing that may be required for said use. The recyclable oversized material must be weighed or measured prior to placement outside the building and shall be counted as part of the 7407 cubic yard or 11,100-ton storage limitation contained in Condition 18, above, to prevent unacceptable amounts of "recyclable" material from being accumulated outside of coverage of the facility's bond. Non-recyclable oversized material shall be oversized material as described above that is determined to be contaminated based on either visual inspection or portable PID testing. Non-recyclable oversized material shall be stored inside the building in Areas 1 – 7 until it can be transported to an approved offsite disposal or processing facility. The amount of non-recyclable oversized material stored in this manner, and the amount of recyclable oversized material not stored outside the building, shall be counted as part of the 17,500-ton storage limitation contained in Condition 12, above.

20. The facility is not approved to accept or process wastes other than those authorized pursuant to Conditions 11, 13 and 19 above, relating to contaminated materials, biosolids and oversized materials, respectively, as those terms are defined or used in this permit. While it is acknowledged that there may be some unavoidable amounts of unacceptable material received, the amounts should be minimal and incidental. While the permittee has a plan to dissuade generators from sending loads containing unacceptable material by assessing a billable surcharge rate if unacceptable material of over 5% by volume is received, issuance of this permit shall in no way be construed as acceptance of that 5% figure as constituting a standard for minimal or incidental as neither 120 tpd (5% of 2400 tpd maximum daily volume) nor 875 tons total storage of unacceptable waste (5% of 17,500 tons maximum waste storage) is considered minimal or incidental.

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21. The permittee shall control and minimize conditions that are harmful to the environment or public health, or which create safety hazards, odors, dust, noise, unsightliness, and other public nuisances. With regard to transportation of waste to the facility, the permittee may implement a waste transport vehicle compliance plan (see Form R, Page 7A, as modified on December 5, 2005) whereby non-compliant vehicles will be subject to a "time out" to encourage compliance, subject to the following additional requirements:

    a. The "time out" shall be for at least a one-hour period commencing after the vehicle would normally be allowed to tip its waste. The time required for waste pre-acceptance screening (i.e., visual inspection, sampling, analysis, analytical review, issuance of a weight ticket and signed manifest) shall not be included in the "time out". Records of "time out" occurrences (date, transporter identification, time vehicle in, time vehicle out, reason for occurrence, etc.) shall be kept as part of the daily operational record.

    b. Pursuant to Section 6206(a) of Act 2002-90, the permittee may not accept a waste transportation vehicle without a current authorization sticker issued by the Department. Vehicles without the required current authorization sticker must be rejected and may not be subject to the "time out" provisions of the waste transport vehicle compliance plan.

    c. Waste transportation vehicles leaving the facility shall be in compliance with the transporter requirements of Chapter 299 of the residual waste regulations as well as the requirements of Act 2002-90, when applicable.

    d. The permittee shall keep a record of overweight vehicles in accordance with 25 Pa. Code 297.261(b)(12), relating to daily operational records.

    e. Where repeat occurrences for a transporter indicates that the waste transport vehicle compliance plan is not effective in minimizing harms, hazards or nuisances, it is the permittee's responsibility to take additional steps to obtain more effective compliance. This may require modification of the waste transport vehicle compliance plan. Continued reliance upon the waste transport vehicle compliance plan in the face of evidence indicating a failure achieve compliance will not shield the permittee against appropriate enforcement action on the part of the Department.

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22. The TPH concentration of contaminated material entering the primary thermal unit (PTU) shall be 10,000 mg/kg or less, based on blending calculations as presented on the Soil Storage and Chemistry Summary spreadsheets appended to Form P. The permittee may request to demonstrate the facility's capability to effectively remediate contaminated material at a higher concentration by submitting to the Department's Waste Management Program a protocol for such a demonstration. If said protocol is approved by the Department, or approved with modifications, the permittee may conduct the demonstration and may utilize the results of the demonstration to seek a modification of the limitation contained herein. In such an event, the permittee may submit a permit application to the Department to modify the subject limitation. Provided that the application seeks nothing other than to modify the 10,000 mg/kg limitation based upon the results of an approved demonstration protocol, the permit application may be processed as a minor modification to this solid waste permit. Should the application contain additional modification requests, then those additional modification requests will dictate the form of the application. Nothing in this condition shall be construed as indicating a commitment on the part of the Department to approve any such application.

23. The carbon adsorption system shall operate at all times when the PTU is not operating and hydrocarbon contaminated material is present in the building.

24. This renewal permit also approves the Radiation Protection Action Plan for Solid Waste (RPAP) dated May 1, 2002, and revised March 30, 2004, September 9, 2004, June 24, 2005, September 28, 2005, and August 16, 2006, as indicated in Condition No. 1 above.

    a. Unless otherwise approved in writing by the Department, the stationary monitoring equipment shall be installed and the RPAP implemented as soon as possible, but in no instance later than three months after the date of this permit reissuance.

    b. Pursuant to Section 613 of the Solid Waste Management Act, 35 P.S. Section 6018.613, the Department may recover its costs to abate a public nuisance related to radioactive waste including its costs of management, transport and disposal of the radioactive waste processed, stored, disposed, or rejected at the facility.

    c. Approval of Form X does not guarantee operational effectiveness. Failure to operate this equipment to perform as intended or designed, and implement the RPAP according to the

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application documents herein approved, for any reason, shall be sufficient grounds for revocation or suspension of the facility's waste permit in part or in its entirety.

d. A Form 19R, Certification of Facility Construction, shall be submitted to the Regional Solid Waste Manager after the permittee has made the necessary modifications to its facility and is ready to implement the RPAP. The Form 19R shall indicate that all necessary equipment has been installed and is operational, and that the necessary staff training for use of the monitoring equipment and implementation of the RPAP has been provided.

The stationary monitoring equipment may be utilized, but the RPAP may not otherwise be implemented, until after the Form 19R has been submitted to, and approved by, the Department. Departmental approval may involve a site inspection, by either Waste Program staff alone or jointly by Waste Program and Radiation Protection Program staff, and may specify operational requirements or procedures to be implemented by the permittee during an initial trial period. These requirements or procedures will be designed to allow the Department's Area Health Physicist to evaluate the facility's ability to properly implement the approved Action Plan. The permittee is expected to comply with these operational requirements during the trial period to the same extent as if they were permit conditions.

e. Until such time as the stationary monitoring equipment is installed and utilized, the permittee shall screen all waste received for radioactivity using portable (handheld) monitoring equipment. No solid waste may be received unless radiation monitoring is conducted as part of the waste onsite waste acceptance screening. Until the stationary equipment is installed, the Form 19R submitted and approved, and the permittee authorized by the Department to implement the RPAP, the permittee shall conduct radiation monitoring using monitoring equipment in accordance with the Department's Document Number 250-3100-001, Guidance Document on Radioactive Monitoring at Solid Waste Processing and Disposal Facilities.

25. a. Contaminated material shall be processed, thermally remediated and tested to the extent necessary to allow the processed waste to be used lawfully and consistent with the applicable standards for the intended uses. The testing frequencies and acceptance criteria for incoming contaminated material approved in this permit are intended to allow for a hazardous waste determination and to provide sufficient data to establish blending ratios and production run concentrations for the purpose of physically processing and/or thermally remediating

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hydrocarbon contaminated material. The post-production testing approved in this permit is intended for determining the effective remediation of TPH and VOCs as a process control. The testing frequencies, parameters and criteria approved in this permit are not intended to be, and shall not be construed as, a substitute for the need to satisfy the testing frequencies, parameters and criteria of the implementing regulatory mechanism under which a particular production run or batch of processed material is intended to be used. The permittee remains responsible for conducting any and all necessary testing, beyond the minimum requirements contained in this permit, that may be required to satisfy the implementing mechanism for offsite use or disposal of processed contaminated material. The permittee shall, as part of the daily operation record, maintain adequate documentation to demonstrate compliance with this requirement.

b. Any material intended for use as regulated fill shall have been determined to be regulated fill in accordance with the requirements of the Department's Management of Fill policy (Document Number 258-2182-773) prior to receipt and acceptance at this facility. Processing of regulated fill at this facility shall be limited to physical processing of regulated fill and/or blending of regulated fill only with other regulated fill. Approval for the beneficial use of the regulated fill material pursuant to General Permit No. WMGR096 shall be obtained for each processed batch pile and the application must include the results of this facility's waste acceptance testing, blending calculations and post-process testing requirements. This facility shall not be considered a "source" of regulated fill, but may generate a processed batch pile of material that is suitable for use as regulated fill, subject to each batch pile qualifying for, and obtaining coverage under, General Permit No. WMGR096.

c. In cases where the implementing regulatory mechanism specifies end use parameters but does not specifiy testing frequencies to demonstrate compliance with those parameters, the permittee shall, at a minimum, obtain either pre- or post-testing data at the frequencies specified in Form R, Table 1, for any end use parameter not included in Table 1.

26. In the event that generator data is used to demonstrate compliance with end use inorganic requirements, the permittee shall collect a minimum of one grab sample per 250 tons (or increment thereof) of a production run for the purpose of conducting inorganic analysis confirmation testing. The grab samples so collected for a production run may be composited such that one composite is made for every 5000 tons (or increment thereof) of each production run, and the composite(s) shall be analyzed for inorganics. The results of the inorganic analysis/analyses shall be compared to the blending calculation estimates to

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verify the accuracy of the blending procedures. Should a composite analysis differ from the blending calculation estimate by more than 10%, then actual post-processing test results must be used if greater than the blending estimate for that production run. The permittee shall keep records of the inorganic confirmation testing as part of the daily operation record and shall submit quarterly reports to the Department's Southeast Regional Office (Waste Management Program Manager) detailing the results of the confirmation testing and describing any steps taken to explain and/or correct the inadequacies of the blending procedures.

27. In the event that actual post-processing test data is used to demonstrate compliance with end use inorganic requirements, the results of the post-processing inorganic analysis/analyses shall be compared to the pertinent blending calculation estimates to verify the accuracy of the blending procedures, and a record of the results of each comparison shall be made a part of the daily operation record. Should the analysis/analyses differ from the blending calculation estimate by more than 10%, the permittee shall investigate the reason for the deviation and shall note in the daily operation record any steps taken to explain and/or correct the inadequacies of the blending procedures

28. No waste may be stored at this facility for a period of more than one year. All processed material shall be managed as waste while at the facility. When being transported from the facility for offsite use, processed material shall be managed in accordance with the implementing regulatory mechanism under which it is intended to be utilized.

29. Revisions to the Department's Management of Fill policy (Document Number 258-2182-773) dated April 24, 2004, shall constitute grounds for reopening this permit to make any necessary modifications as may be warranted by the revisions

30. The bond between the permittee and the Department (initially in the amount of $1,920,000.00) is, hereby, approved as part of this permit. The bond must be updated after receiving written notice from the Department in accordance with Chapter 287 of the Residual Waste Regulations.

New York State Department of Environmental Conservation
Office of General Counsel, Region 2
47-40 21ST Street, Long Island City, NY 11101-5407
Phone: (718) 482-4965 • **FAX:** (718) 482-4962
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

February 13, 2009

Mr. Michael J. Tone, Esq.
Nixon Peabody LLP
50 Jericho Quadrangle, Suite 300
Garden City, NY 11753-2728

Re: Clean Water of New York - Part 360 Permit
DEC Permit No. 2-6401-00065/00001

Dear Mr. Tone:

This is in regards to Clean Water of New York, Inc.'s Part 360 Permit which has an expiration date of December 17, 2000.

Pursuant to the State Administrative Procedure Act § 401(2) and 6 NYCRR § 621.13(I), when a permitee has submitted a timely and sufficient application for renewal of a permit for an activity of a continuing nature, the existing permit does not expire until the New York State Department of Environmental Conservation ("DEC") has made a final decision on the renewal application and if such application has been denied, then not until the last day for seeking review of the agency order or any later date fixed by a court. A timely renewal application for a Part 360 Permit is one which is submitted no less than 180 calendar days prior to the permit expiration (*see* 6 NYCRR § 621.13(a)).

Clean Water of New York, Inc. submitted a sufficient renewal application for its Part 360 Permit on March 5, 1999, which is more than 180 calendar days prior to December 17, 2000. Therefore, the existing Part 360 Permit does not expire until the New York State Department of Environmental Conservation ("DEC") has made a final decision on the renewal application and if such application has been denied, then not until the last day for seeking review of the agency order or any later date fixed by a court.

If you have any questions regarding this issue, please contact me at (718) 482-4965.

Very truly yours,

Louis P. Oliva
Regional Attorney

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DEC PERMIT NUMBER: 2-6401-00065/00001		EFFECTIVE DATE: 17 December 1997
FACILITY/PROGRAM NUMBER(S): 43007	**PERMIT** Under the Environmental Conservation Law (ECL)	EXPIRATION DATE(S): Pt. 360: 17 December 2000 SPDES: 1 September 2001

TYPE OF PERMIT: ☐ New X Renewal X Modification X Permit to Construct X Permit to Operate

- ☐ Article 15, Title 5: Protection of Waters
- ☐ Article 15, Title 15: Water Supply
- ☐ Article 15, Title 15: Water Transport
- ☐ Article 15, Title 15: Long Island Wells
- ☐ 6 NYCRR 608: Water Quality Certification
- X Article 17, Titles 7, 8: SPDES
- ☐ Article 19: Air Pollution Control
- ☐ Article 24: Freshwater Wetlands
- X Article 25: Tidal Wetlands
- X Article 27, Title 7; 6 NYCRR 360: Solid Waste Management
- ☐ Article 27, Title 9; 6 NYCRR 373: Hazardous Waste Management
- ☐ Article 34: Coastal Erosion Management
- ☐ Article 36: Floodplain Management

PERMIT ISSUED TO: Clean Water of New York, Inc.			**TELEPHONE NUMBER:** (718) 981 - 4600
ADDRESS OF PERMITTEE: 3245 Richmond Terrace, Staten Island, NY 10303			
CONTACT PERSON FOR PERMITTED WORK: Thomas F. Maher, P. E., William F. Cosulich Assoc., 330 Crossways Park Drive, Woodbury, NY 11797			**TELEPHONE NUMBER:** (516) 364 - 9880
PROJECT/FACILITY NAME: Clean Water of New York Waste Oil Reprocessing and Storage Facility			
PROJECT/FACILITY ADDRESS: 3245 Richmond Terrace, Staten Island, NY 10303			
COUNTY: Richmond	**TOWN:** New York City	**WATER BODY:** Kill Van Kull	**NYTM COORDINATES:** 570.5 East; 4498.9 North

DESCRIPTION OF AUTHORIZED ACTIVITY: Construction and operation of a waste oil reprocessing and storage facility with the following throughput limits: 1) reprocessed recovered fuel oil: 9 million gallons per year; 2) tank bottom sludge and treatment residuals: 1,000 cubic yards per year; and 3) effluent discharges from treatment of tank-cleaning and other oily wastewaters: 250 gallons per minute.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified **(see page 2)** and any Special Conditions included as part of this permit.

REGIONAL PERMIT ADMINISTRATOR: John J. Ferguson	**ADDRESS:** NYS DEC Region 2 Office, 47-40 21st Street Long Island City, NY 11101 **PHONE:** (718) 482-4997	
AUTHORIZED SIGNATURE:	**DATE:** 17 December 1997	Page 1 of 8

GENERAL CONDITIONS

Instructions

1. The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by authorized representatives of the Department of Environmental Conservation (the Department) to determine whether the Permittee is complying with the instant permit and the ECL. Such representatives may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3). A copy of the instant permit, any and all amendments thereto, and any and all documents referenced in such permit or amendments, must be available for inspection by the Department at all times at the project site. Failure to produce a copy of such permit, such amendments, or such referenced documents upon request by a Department representative is a violation of this permit. Any permit sign provided by the Department shall be displayed in a visible facility location and protected from the elements for the life of this permit.

Permit Changes and Renewals

2. The Department reserves the right to modify, suspend, or revoke this permit when--
   a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
   b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
   c) new material information is discovered; or
   d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.

3. All work authorized herein shall comply with the most current information submitted by the Permittee pursuant to its application for the instant permit. If such information conflicts with any provision of the instant permit, such provision shall obtain. The Permittee must submit a separate written application to the Department for renewal, modification, or transfer of this permit. Such application must include any forms, fees, or supplemental information the Department requires. Any renewal, modification, or transfer granted by the Department must be in writing.

4. The permittee must submit a renewal application at least--
   a) 180 days before expiration of permits for State Pollutant Discharge Elimination System (SPDES), Hazardous Waste Management Facilities (HWMF), major Air Pollution Control (APC), and Solid Waste Management Facilities (SWMF); and
   b) 30 days before expiration of all other permit types.

5. Unless expressly provided for by the Department, issuance of this permit does not modify, supersede, or rescind any order or determination previously issued by the Department or any of the terms, conditions, or requirements contained in such order or determination.

Other Legal Obligations of Permittee

6. The Permittee has accepted expressly, by the execution of its application for the instant permit, the full legal responsibility for all damages, direct or indirect, of whatever nature and by whomever suffered, arising out of the project described in this permit and has agreed to indemnify and save harmless the State from suits, actions, damages, and costs of every name and description resulting from this project.

7. This permit does not convey to the Permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

8. The Permittee is responsible for obtaining any other permits, approvals, lands, easements, and rights-of-way that may be required for this project.

ADDITIONAL GENERAL CONDITIONS FOR ARTICLES 15 (TITLE 5), 24,25,34,36 AND 6NYCRR PART 608

9. That if future operations by the State of New York require an alteration in the position of the structure or work herein authorized, or if, in the opinion of the Department of Environmental Conservation it shall cause unreasonable obstruction to the free navigation of said waters or flood flows or endanger the health, safety or welfare of the people of the State, or cause loss or destruction of the natural resources of the State, the owner may be ordered by the Department to remove or alter the structural work, obstructions, or hazards caused thereby without expense to the State, and if, upon the expiration or revocation of this permit, the structure, fill, excavation, or other modification of the watercourse hereby authorized shall not be completed, the owners, shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may require, remove all or any portion of the uncompleted structure or fill and restore to its former condition the navigable and flood capacity of the watercourse. No claim shall be made against the State of New York on account of any such removal or alteration.
10. That the State of New York shall in no case be liable for any damage or injury to the structure or work herein authorized which may be caused by or result from future operations undertaken by the State for the conservation or improvement of navigation, or for other purposes, and no claim or right to compensation shall accrue from any such damage.
11. Granting of this permit does not relieve the applicant of the responsibility of obtaining any other permission, consent or approval from the U.S. Army Corps of Engineers, U.S. Coast Guard, New York State Office of General Services or local government which may be required.
12. All necessary precautions shall be taken to preclude contamination of any wetland or waterway by suspended solids, sediments, fuels, solvents, lubricants, epoxy coatings, paints, concrete, leachate or any other environmentally deleterious materials associated with the project.
13. Any material dredged in the prosecution of the work herein permitted shall be removed evenly, without leaving large refuse piles, ridges across the bed of a waterway or floodplain or deep holes that may have a tendency to cause damage to navigable channels or to the banks of a waterway.
14. There shall be no unreasonable interference with navigation by the work herein authorized.
15. If upon the expiration or revocation of this permit, the project hereby authorized has not been completed, the applicant shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may require, remove all or any portion of the uncompleted structure or fill and restore the site to its former condition. No claim shall be made against the State of New York on account of any such removal or alteration.
16. If granted under Article 36, this permit does not signify in any way that the project will be free from flooding.
17. If granted under 6NYCRR Part 608, the NYS Department of Environmental Conservation hereby certifies that the subject project will not contravene effluent limitations or other limitations or standards under Sections 301, 302, 303, 306 and 307 of the Clean Water Act of 1977 (PL 95-217) provided that all of the conditions listed herein are met.
18. All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or his agent as part of the permit application.

Such approved plans were prepared by (see Special Condition No. 2 on Page 4) on _____.

SPECIAL CONDITIONS

Please see the numbered Special Conditions on the following page.

SPECIAL NOTE: In accordance with Title 19, Part 600.4 (c) of the New York Code of Rules and Regulations, the New York State Department of Environmental Conservation hereby certifies that the action described and approved in this permit, if located within the Coastal Zone, is consistent to the maximum extent practicable with the policies and purposes of the New York City Waterfront Revitalization Program.

Continued on next page...

SPECIAL CONDITIONS

1. All work and activities authorized by this permit shall comply with all of the applicable provisions of 6 NYCRR Part 360 (Solid Waste Management Regulations), especially Subparts 360-1, 360-6 and 360-14, unless otherwise specified herein.

2. All construction and operation activities authorized by this permit shall be in strict conformance with the application materials submitted to DEC by the permittee in support of this application, including the application materials filed on behalf of permittee by William F. Cosulich Associates, P. C., original application for Part 360 and SPDES renewal and modification dated March 1996, revised application dated September 1996 with responses to DEC comments dated 6/4/96 and 9/30/96, revised Part 360 application dated March 1997, and tidal wetlands (ECL Art. 25) application dated July 1997.

3. Within ten (10) days after the completion of any construction authorized by this permit, permittee shall have a professional engineer licensed by the State of New York submit to DEC Regional Solid and Hazardous Materials Engineer certification that the subject facility is constructed in conformance with the site plan described in Special Condition No. 2 (b) above. Permittee shall not operate the facility under the terms of this permit until after DEC has received the facility engineer's certification of completion of construction, and until after permittee receives written confirmation from DEC that DEC deems the construction to be complete and in accord with the facility plan. This condition does not apply if no new construction will be done at the facility by permittee.

4. If it has not yet done so, permittee shall, within thirty (30) days after the effective date of this permit, demonstrate to the DEC financial assurance, in the amount of Fifty Thousand Dollars [$50,000], in the form of a letter of credit, performance bond, or similar financial instrument acceptable to DEC in accordance with 6 NYCRR § 360-1.12(a)(1). Permittee shall keep its financial assurance instrument in effect for the duration of its operation of the facility, until DEC accepts permittee's engineer's statement of facility closure under the terms of 6 NYCRR Part 360.

5. Solid waste which is not recycled shall be sent only to the approved solid waste disposal facilities documented in the application with letters of intent and all currently required, valid permits to operate.

At least three months prior to the expiration of any permit required to operate any of the disposal facilities described above, permittee shall submit a complete copy of the renewed permit or permit extension to the Regional Solid and Hazardous Materials Engineer at the Region 2 Office of DEC. If permittee fails to submit such copy, or if any disposal facility loses any governmental authorization required to operate any of the disposal facilities named above for any reason, including expiration and failure to renew permits, permit suspension, permit revocation, or facility closure, cessation of operations, or abandonment, permittee shall immediately cease sending solid waste to such facility or facilities for disposal, and shall notify the DEC Region 2 Solid and Hazardous Materials Engineer of such cessation and the reason(s) for it.

If permittee wishes to add or otherwise change the disposal facilities to which permittee is authorized to send solid waste, permittee shall submit letters of intent from such disposal facilities, and copies of all required permits to operate such disposal facilities, to the DEC Region 2 Solid and Hazardous Materials Engineer. Upon written authorization from the DEC Region 2 Solid and Hazardous Materials Engineer, permittee may send solid waste to such disposal facilities.

SPECIAL CONDITIONS

6. An account to fund an environmental monitor shall be established and maintained with the Department as follows:

a. If permittee has not already done so, the sum of $10,000 shall be submitted to the Department within 10 days of the effective date of this permit to fund departmental environmental compliance monitoring activities for the permitted facility. This sum is based on an estimate of the first year costs and is subject to quarterly revision. Subsequent quarterly payments shall be made for the duration of this permit to maintain an account balance sufficient to meet the next nine months' anticipated expenses. Quarterly payments shall be made for the duration of this permit in accordance with the following provisions.

b. Costs covered by this fund include: i) Direct personal service costs and fringe benefits of the environmental monitor(s) and full-time monitor supervisor(s), including the costs of replacement personnel for the person regularly assigned to these positions; ii) Direct non-personal service costs, including without being limited to purchase or lease of a vehicle if necessary and its full operating costs, and any appropriate chemical sampling and analysis; iii) Inflation increases and negotiated salary increases; and iv) Indirect support or overhead costs at the Federal Indirect Cost Rate.

c. As noted, the Department may revise the required payment on a quarterly basis to include all costs of monitoring to the Department. The quarterly revision may take into account factors such as inflation, salary increases, accrued interest to be applied to the balance, changes in operating hours and procedures, and the need for additional on-site monitors and supervision of such monitors by full-time monitor supervisors. Upon written request by the permittee, the Department shall provide permittee with a written explanation for the basis of any modification.

d. Within 30 days of written notice by the Department that a payment is due, payment shall be forwarded to the Department. Payment should be sent to: NYS Department of Environmental Conservation, 50 Wolf Road, Room 593, Albany, NY 12233-1510, Attention: Director of Environmental Monitors. Payments shall be in advance of the period in which they will be expanded.

e. Upon termination of this permit and payment of any outstanding costs, the unexpended balance including interest will be returned to the permittee.

f. Failure to make the required payments is a violation of this permit. The Department may take appropriate action to enforce the payment provisions, including suspension or revocation of the permit.

g. The environmental monitor shall receive from the permittee all general safety training which is normally given to new site employees. This training will be supplemental to the mandatory safety training which the NYS DEC monitors receive from the Department.

h. The permittee shall furnish each environmental monitor with the current site policy and procedures manual for health and safety issues. The permittee shall notify the Department in writing each time a change to the health and safety plan is made.

i. The environmental monitor shall, when present at the permitted site, abide by all of permittee's health and safety and operational policies; provided, however, that this subparagraph shall not be construed as limiting the monitor's powers as otherwise provided for by law and shall not result in the monitor's being less protected than the monitor would be if he or she were to abide by state and federal health and safety requirements.

SPECIAL CONDITIONS

7. Allowable Waste Materials. Permittee may accept the following wastes delivered by barge, truck and drums:

Category A — The oil/water mixture and its residue from the cleaning, by the Butterworthing method, of virgin oil tank barges.

Category B — The bilge/ballast water and oil mixtures, as well as the residue of such, from ships or vessels.

Category D — Used engine lubricating oil (N001), contaminated fuel oil (N002), lube/hydraulic oil (N003), transmission fluid (N004), gear oil (N005), non-PCB dielectric fluid (N006), emulsified cutting oil (N007), non-emulsified cutting oil (N008), distressed oil (N010), tank bottoms -- fuel oil (N013), tank bottoms — other (N015), vegetable oil from industrial sources (N016), mineral oil from industrial sources (N017), water contaminated with oil (N018), tar and asphalt originating from the vessel/tank cleaning operations (N098), and synthetic lube oils and castor oil (N099).

Category E — Under this category, permittee may accept oil-soaked debris (N011). If this waste material is directly related to Category A, B, or D material that is being delivered to the facility and the samewaste has undergone pre-qualification analysis, additional testing is not required. In all other cases, pre-qualification analysis testing consisting of total halogens, RCRA metals (arsenic, cadmium, chromium, lead) must be conducted prior to acceptance of the material. In addition, if the waste shipment originates from a utility, it must be screened for PCBs. Category E waste must be sent to any of the approved disposal facilities listed in Special Condition No. 15 of this permit. A record of how the hazardous waste determinations were made and who made them must be maintained for at least seven (7) years at the facility office.

Before any of the waste Categories A, B or D may be accepted, permittee must have a representative sample tested by the Clor-D-Tect Kit Test for total halogens. The same sample must also be tested by the Pensky-Martens Closed Cup Tester, Materials Standard D-93-79 or D-93-80, for flash point. Each separate chamber of every multi-compartmented truck must be sampled, tested and analyzed separately. All strata of a vertical column within each tank or compartment must be sampled into a container using a coliwasa or other acceptable method in accordance with 6 NYCRR Part 371, Appendix 19. Samples obtained from each compartment or tank must not be mixed for the purposes of determining total halogens and flash point. Mixing of samples is allowed if they are obtained from a single truck or vessel and will be used in the 5% independant analysis as specified below, unless screening tests indicate that one or more compartments has halogens in excess of 1,000 ppm or a flash point less than 100 °F. If the level of halogens is found to be in excess of 1,000 ppm, the waste must not be accepted, and permittee must follow the requirements of Special Condition No. 10 below. Permittee may choose to rebut the presumption of hazardous waste by following the procedures described in 6 NYCRR Part 374.2. If the flash point is below 100°F, the load must be rejected by permittee. In the event permittee or employees of permittee have knowledge that a waste oil load or a portion of a waste oil load originates from a utility, such load must be pre-screened for hazardous concentrations of PCBs before it may be accepted into the facility. Copies of said pre-screening test results must be maintained at the facility as part of permittee's operational records.

Because the screening or analysis for halogens for Category A, B, and D wastes will not be routinely conducted by an independent testing laboratory licensed by New York State (ELAM lab) and found acceptable by DEC, random samples must be taken, and tests made, on a minimum of five (5) percent of all incoming loads. The frequency of such testing must be as follows:

SAMPLING & TESTING OF INCOMING LOADS BY A DEPARTMENT-ACCEPTABLE LABORATORY (ELAM)

	TOTAL HALOGENS	FLASH POINT	TCLP METALS	PCBs
CATEGORY A	5%	5%	—	—
CATEGORY B	5%	5%	—	—
CATEGORY D	5%	5%	5% As, Pb, Cd, Cr	5%

SPECIAL CONDITIONS

7. [continued] Aside from the allowable solid waste materials described in Categories A, B, D and E, permittee is strictly prohibited from accepting, storing, and processing any other types of solid waste.

8. Record-keeping. Permittee must maintain and have available for inspection at the facility at all times an operating record of incoming and outgoing loads of used oil and all other waste materials. This record must, at a minimum, include the name and addresses of each originating facility, vessel, and vessel owner, date of shipment, quantity shipped, and pre-screening test results. Copies of all invoices and manifests must be maintained at the facility by permittee for a minimum of seven (7) years. In addition, records of inspections by DEC or any other government agency, and records of spills or other emergencies, and remedial actions taken, must be maintained by permittee at the facility office.

Permittee must maintain a log for each sludge storage drum at the facility recording the time and date of the filling of each drum with sludge. Permittee must also record the time, date, hauler, quantity, and final disposal facility of the sludge in each drum or other container when it is hauled away from the facility.

9. At least twice per year, random samples must be taken by permittee of sludge intended for disposal. Such sludge shall be tested by an independent testing laboratory licensed by New York State and acceptable to DEC for hazardous waste characteristics and the results sent to the DEC Region 2 Solid and Hazardous Materials Engineer.

10. Unacceptable waste. If, during the course of performing the screening tests or analyses, permittee finds that a load is unacceptable due to findings of less than 100°F flashpoint or greater than 1,000 ppm total halogens, or the load is determined to be a characteristic hazardous waste, permittee must make a record of that incident including at a minimum, the time and date of the incident, the screening test results, the quantity of material, location of material, and how the responsible party stated it would properly dispose of the unacceptable material. Furthermore, permittee is required to notify DEC in accordance with the porocedure described in 6 NYCRR § 360-14.3(j)(3)(iii).

11. Rebuttals. If the level of total halogens is found to be in excess of 1,000 ppm, the waste may be accepted by permittee only if permittee performs an additional round of sampling, testing and analysis which demonstrates that there are no significant concentrations of specific halogens present, and permittee receives notification from DEC that the analytical results indicate that the waste is not considered to be hazardous.

12. Waste off-loading. Acceptable waste which is delivered by truck may only be off-loaded at the drum/dumpster storage area.

13. Off-loading area. The designated truck off-loading and sludge storage area must be continuously inspected by permittee. If any liquids are found in the designated storage and transfer/off-loading area caused by either rain or spillage, they must be collected, and the storage/transfer area cleaned during the same day such liquid is observed. Permittee must either dispose of the material recovered from the designated storage area or put such material into the facility's processing system for treatment. Permittee must keep at least ten (10) bags of absorbent within close proximity of the off-loading/storage area.

14. Marketing of recovered used oil. The outgoing reprocessed used fuel oil must be determined to be on-specification before it can be marketed as on-specification used fuel oil. Otherwise, permittee may only market its reprocessed oil as off-specification oil to permitted industrial users.

SPECIAL CONDITIONS

15. Sludge storage requirements. When permittee removes sludge from waste oil tanks/barges, the sludge must be stored in covered drums or dumpsters placed at the existing container storage area. No more than sixty (60) cubic yards may be stored at the facility at any time. Within ninety (90) days of placement in the sludge storage area, sludge must be shipped to one or more of the approved disposal facilities listed below:

Clean Earth of New Castle, Inc., New Castle, Delaware
Evergreen Landfill, Bedford, Ohio
American Ref-Fuel Company of Hempstead, Westbury, New York
American Landfill, Inc., Waynesburg, Ohio

16. Permittee shall utilize best management practices during cleaning and transfer operations to contain oily water and recovered product within vessels. Permittee shall install and maintain secondary containment around any machinery operated on the car float.

91-20-5 (5/97)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

State Pollutant Discharge Elimination System (SPDES)

NOTICE / RENEWAL APPLICATION / PERMIT

Please read **ALL** instructions on the back before completing this application form. Please **TYPE** or **PRINT** clearly in ink.

PART 1 - NOTICE

12/19/2005

Permittee Contact Name, Title, Address

CLEAN WATER OF NEW YORK INC.
ROBERT A PROBST PRES
PO BOX 030312
STATEN ISLAND NY 10303-0312

Facility and SPDES Permit Information

Name: CLEAN WATER OF NEW YORK INC.
Ind. Code: 7699 County: RICHMOND
DEC No.: 2-6401-00065/00001
SPDES No.: NY 020 0484
Expiration Date: 10/01/2006
Application Due By: 04/04/2006

(C) Newyork 015

Are these name(s) & address(es) correct? if not, please write corrections above.

The State Pollutant Discharge Elimination System Permit for the facility referenced above expires on the date indicated. You are required by law to file a complete renewal application **at least 180 days prior to expiration of your current permit**. **Note the "Application Due By" date above**.

CAUTION: This short application form and attached questionnaire are the only forms acceptable for permit renewal. Sign Part 2 below and mail only this form and the completed questionnaire using the enclosed envelope. *Effective April 1, 1994 the Department no longer assesses SPDES application fees.*

If there are changes to your discharge, or to operations affecting the discharge, then in addition to this renewal application, you must also submit a separate permit modification application to the Regional Permit Administrator for the DEC region in which the facility is located, as required by your current permit. See the reverse side of this page for instructions on filing a modification request.

PART 2 - RENEWAL APPLICATION

CERTIFICATION: I hereby affirm that under penalty of perjury that the information provided on this form and all attachments submitted herewith is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

Robert A. Probst — President

Name of person signing application (see instructions on back) — **Title**

Robert A Probst — 3-13-06

Signature — **Date**

RECEIVED NYSDEC ENVIRONMENTAL PERMIT 06 MAR 15 AM 10:18

PART 3 - PERMIT (Below this line - Official Use Only)

Effective Date: 10/1/06 **Expiration Date:** 9/30/11

William R. Adriance

Permit Administrator

Address: NYSDEC - Division of Environmental Permits
Bureau of Environmental Analysis
625 Broadway, Albany, NY 12233-1750

William R. Adriance — MAY - 5 2006

Signature — **Date**

This permit together with the previous valid permit for this facility issued 10/1/01 and subsequent modifications constitute authorization to discharge wastewater in accordance with all terms, conditions and limitations specified in the previously issued valid permit, modifications thereof or issued as part of this permit, including any special or general conditions attached hereto. Nothing in this permit shall be deemed to waive the Department's authority to initiate a modification of this permit on the grounds specified in 6NYCRR §621.14, 6NYCRR §754.4 or 6NYCRR §757.1 existing at the time this permit is issued or which arise thereafter.

~~Attachments: General Conditions dated ___/___~~

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DEC PERMIT NUMBER	EFFECTIVE DATE
1-4726-00490/00003	October 14, 2009
FACILITY/PROGRAM NUMBER(S)	EXPIRATION DATE(S)
52-D-12	September 13, 2015

PERMIT

Under the Environmental Conservation Law

TYPE OF PERMIT ☐ New ☐ Renewal ■ Modification ■ Permit to Construct ■ Permit to Operate

- ☐ Article 15, Title 5: Protection of Waters
- ☐ Article 15, Title 15: Water Supply
- ☐ Article 15, Title 15: Water Transport
- ☐ Article 15, Title 15: Long Island Wells
- ☐ Article 15, Title 27: Wild, Scenic and Recreational Rivers
- ☐ 6NYCRR 608: Water Quality Certification
- ☐ Article 17, Titles 7, 8: SPDES
- ☐ Article 19: Air Pollution Control
- ☐ Article 23, Title 27: Mined Land Reclamation
- ☐ Article 24: Freshwater Wetlands
- ☐ Article 25: Tidal Wetlands
- ■ Article 27, Title 7; 6NYCRR 360: Solid Waste Management
- ☐ Article 27, Title 9; 6NYCRR 373: Hazardous Waste Management
- ☐ Article 34: Coastal Erosion Management
- ☐ Article 36: Floodplain Management
- ☐ Articles 1, 3, 17, 19, 27, 37; 6NYCRR 380: Radiation Control

PERMIT ISSUED TO	TELEPHONE NUMBER
Broad Hollow Estates, Inc. and 110 Sand Company	(516) 799-5611
ADDRESS OF PERMITTEE	
Broad Hollow Estates, Inc., c/o 110 Sand Company, 170 Cabot Street, West Babylon, NY 11704	
CONTACT PERSON FOR PERMITTED WORK	TELEPHONE NUMBER
Paul Lapanno, Lockwood, Kessler & Bartlett, Inc.	(516) 938-0600
NAME AND ADDRESS OF PROJECT/FACILITY	
110 Sand Company Clean Fill Disposal Site, 136 Bethpage-Spagnoli Road, Melville, NY 11747	

COUNTY	TOWN	WATERCOURSE	NYTM COORDINATES
Suffolk	Huntington	N/A	E: 631.9 N: 4514.2

DESCRIPTION OF AUTHORIZED ACTIVITY:

Construct and operate an expansion of an existing 58 acre clean fill disposal site by adding 63 acres in four phases (VII through X). The operation will be at the rate of 6,000 tons per day, averaged over 12 months and calculated on a calendar year basis for a maximum of 358 days per year. This facility is authorized to accept no more than 2,148,000 tons per year of clean fill defined as concrete, steel, wood, dirt, soil, glass, construction and demolition debris and other inert material as designated by the Department.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified **(see page 2)** and any **Special Conditions** included as part of this permit.

PERMIT ADMINISTRATOR:	ADDRESS
Susan V. Ackerman (GRZ)	Region 1 Headquarters SUNY @ Stony Brook, 50 Circle Road, Stony Brook, NY 11790 - 3409
AUTHORIZED SIGNATURE	DATE 10/14/2009

F&N WASTE MANAGEMENT COMPLETION LETTER

CERTIFICATES OF RECYCLING

WASTE MANIFESTS

PROJECT NAME:	GROUNDWATER TREATMENT SYSTEMS INTERSECTION STREET – HEMPSTEAD, NY
OWNER:	NATIONAL GRID PATRICK VAN ROSSEM 175 EAST OLD COUNTRY ROAD HICKSVILLE, NY
ENGINEER:	URS CORPORATION JON SUNDQUIST 77 GOODELL STREET BUFFALO, NY
CONTRACTOR:	FENLEY & NICOL ENVIRONMENTAL, INC. 445 BROOK AVENUE DEER PARK, NY 11729
DATE:	8/25/11
SECTION NUMBER & TITLE:	02111 – Waste Management & Handling of Contaminated Material
SECTION PART NUMBER & TITLE:	Part 1 – 1.3.3 – Completion Letter Report
SUBMITTAL NUMBER:	NG2010-63

Comments:

No Approval Required ☐
Approval Required ☐
Response Required ☐
Revised and Resubmitted as Noted ☐
For Information Only ☐

Fenley & Nicol Environmental, Inc.®

"SOLUTIONS AT WORK"®

445 Brook Avenue, Deer Park, NY 11729 (631) 586-4900 · NYC (718) 204-4993 FAX (631) 586-4920

August 29, 2011

National Grid
175 East Old Country Road
Hicksville, NY 11801

Attn: Mr. Patrick Van Rossem

Re: Waste Disposal Completion Letter
Off-Site Groundwater Treatment Systems Installation
For the Hempstead Intersection Street
Former Manufactured Gas Plant Site
Villages of Hempstead & Garden City
Nassau County, New York

Dear Mr. Van Rossem,

Please find the attached Waste Disposal Completion Package for the Off-Site Groundwater Treatment Systems Installation located at the Hempstead Intersection Street Former Manufactured Gas Plant (MGP) Site located in the Villages of Hempstead & Garden City, Nassau County, New York.

All waste has been properly disposed of in accordance with the requirements of the technical specifications.

If you have any questions or comments regarding the attached documents, please do not hesitate to contact me at (631) 586-4900, extension 128.

Sincerely,
Fenley & Nicol Environmental, Inc.
Matthew F. Schieferstein
Matthew F. Schieferstein
Project Manager

Cc: Mr. Jon Sundquist, PhD (URS Corporation)

SOIL DISPOSAL DOCUMENTATION

Fenley & Nicol Environmental, Inc.®

CLEANEARTH
treating the planet right

3201 South 61st Street
Philadelphia, PA 19153
T 215-724-5520
F 215-724-2939
www.cleanearthinc.com

Certificate of Recycling

4/26/2011

FENLEY & NICOL ENVIRONMENTAL I
FEN154

Clean Earth hereby certifies that **24.31** Units of non-hazardous contaminated material was received in 1 truck(s) by Clean Earth of Philadelphia.

Generator: National Grid
175 East Old Country Rd.
Hicksville, NY 11801

Facility Approval#: 093100043

Job Site: 108179
National Grid/Intersection 50
65 Intersection Street
Hempstead, NY 11801

Waste processing and recycling is performed in accordance with PADEP Residual Waste Permit #301220 at Clean Earth of Philadelphia.

Authorized Signature

Clean Earth of Philadelphia

Profile GTN

Transactions from 03/03/2011 through 03/03/2011
Inbound Tickets Only
Third Party and Intercompany Customers
Sent and Unsent Tickets
Full Details

Ticket	Date	Truck	In / Out	Manifest	Customer	Gross	Tare	Net
093100043 - National Grid/Intersection 50					Global Job Number: 108179			
310000053204	03/03/11	ETGI297	I	347349	FEN154-FENLEY & NICOL ENVIRONMENTAL I	43.96	19.65	24.31
093100043 - National Grid/Intersection 50								24.31
1 ticket								

Report Grand Totals 24.31

1 ticket

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 3100000053204

	Date	Time	Scale
In:	3/3/2011	15:14:50	Scale 1
Out:	3/3/2011	15:15:04	P.T.

	Lbs	Tns
Gross:	87920	43.96
Tare:	39300	19.65
Net:	48620	24.31

Manifest: 347349
Vehicle ID: ETG1297
Act 90 Decal: WH1451
Customer: FINLEY & NICOL ENVIRONMENTA

Facility Approval#: 0931100043
Job Name: National Grid/Intersection 50
Job Address: 65 Intersection Street
Hempstead, NY 11001

Generator: National Grid
Gen Address: 175 East Old Country Rd.
Hicksville, NY 11801

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	24.31	Tns
Nassau	Soil Treatment	0.00	Unts

Storage Area: Area 2
Sample ID: TRS
Comment:

Driver: RBG

Facility: Jay Clifford H 67116

CLEANEARTH
treating the planet right

Manifest # 347349

GLOBAL JOB NUMBER: 108179 FACILITY APPROVAL NUMBER: 093100043

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Other

☒ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of West Virginia
3815 South State Route 2
Friendly, WV 26146
Ph: 304-652-8580

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

AC790 WH1451

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NATIONAL GRID 65 INTERSECTION ST HEMPSTEAD NY	TARE WEIGHT: ☑Tons ☐Yards	19.65
GENERATOR'S PHONE:	NET WEIGHT: ☑Tons ☐Yards	24.31

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

NON HAZ NON REGULATED MATERIAL
MGP CONTAMINATE SOIL
100% SOIL NON HAZ.

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations. AS AGENT FOR NATIONAL GRID

Name: Kirk White Title: Construction Engineer

Signature: [signature] Date and Time: 3-3-2011 12:10

TRANSPORTER

Company: ENVIRONMENTAL TRANSPORT GROUP INC Phone Number: 800-598-3844

Address: 5 GOUVERNEUR RD FLANDERS NJ 07836 Truck # and License Plate: TRUCK #297 LIC# AM316M

Driver: ROB GOMEZ SW Haulers Permit #: NJ057

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 3-3-11

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 3-3-11 2:10

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 3/3/11

GENERATOR

CLEANEARTH
treating the planet right

3201 South 61st Street
Philadelphia, PA 19153
T 215-724-5520
F 215-724-2939
www.cleanearthinc.com

Certificate of Recycling

4/26/2011

FENLEY & NICOL ENVIRONMENTAL I
FEN154

Clean Earth hereby certifies that **13.09** Units of non-hazardous contaminated material was received in 1 truck(s) by Clean Earth of Philadelphia.

Generator: National Grid
175 East Old Country Rd.
Hicksville, NY 11801

Facility Approval#: 093100043

Job Site: 108179
National Grid/Intersection 50
65 Intersection Street
Hempstead, NY 11801

Waste processing and recycling is performed in accordance with PADEP Residual Waste Permit #301220 at Clean Earth of Philadelphia.

Authorized Signature

Clean Earth of Philadelphia

Profile GTN

Transactions from 01/13/2011 through 01/13/2011
Inbound Tickets Only
Third Party and Intercompany Customers
Sent and Unsent Tickets
Full Details

Ticket	Date	Truck	In / Out	Manifest	Customer	Gross	Tare	Net
093100043 - National Grid/Intersection 50					Global Job Number: 108179			
310000051686	01/13/11	ETGI297	I	347319	FEN154-FENLEY & NICOL ENVIRONMENTAL I	32.74	19.65	13.09
093100043 - National Grid/Intersection 50 *1 ticket*								13.09

Report Grand Totals

13.09

1 ticket

Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
Ph: (215) 724-5520 Fax: (215) 724-2939

Ticket: 3100000051686

	Date	Time	Scale
In:	1/13/2011	15:14:49	Scale 1
Out:	1/13/2011	15:15:34	P.T.

	Lbs	Tns
Gross:	65480	32.74
Tare:	39300	19.65
Net:	26180	13.09

Manifest: 347319
Vehicle ID: ETGT297
Act 90 Decal: WHJ451
Customer: FENLEY & NICOL ENVIRONMEN

Facility Approval ID: 093100043

Generator: National Grid
Gen Address: 175 East Old Country Rd.
Hicksville, NY 11801

Job Name: National Grid/Intersection 50
Job Address: 65 Intersection Street
Hempstead, NY 11001

Origin	Materials & Services	Quantity	Unit
Nassau	Soil Treatment	13.09	Tns
Nassau	Soil Treatment	0.00	Unts

Storage Area: Area 6
Sample ID: TRS
Comment:

Driver: _____

Facility: _____
Jay, Clifford H 67116

CLEANEARTH
treating the planet right

Manifest # 347319

GLOBAL JOB NUMBER: 108179 FACILITY APPROVAL NUMBER: 09310004 3

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Other

☑ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of West Virginia
3815 South State Route 2
Friendly, WV 26146
Ph: 304-652-8580

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

Acme NH 1451

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
National Grid Hempstead Gas Plant	☐ Tons ☑ Yards	20 yards
47 Intersection Street	TARE WEIGHT:	
Hempstead NY 11530	☑ Tons ☐ Yards	19.65
GENERATOR'S PHONE: 516 545 2578	NET WEIGHT:	
	☑ Tons ☐ Yards	13.05

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION Box # 1158

MGP Contaminated Soils from Drilling
100% Soil Non-Hazardous

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Patrick J. Van Rossem Title: Env. Engineer/Proj. Mgr.

Signature: Patrick J. Van Rossem Date and Time: Jan 13, 2011 12:45

TRANSPORTER

Company: Environmental Transport Group Inc Phone Number: 972-347-8200

Address: 5 Gold mine Rd - Glendale NJ Truck # and License Plate: 297 AM3161

Driver: Rob Gomer SW Haulers Permit #: WM 1451

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Rob Gomer Date and Time: 1-13-11

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Rob Gomer Date and Time: 1-13-11 3:15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 1/13/11

GENERATOR

Fenley & Nicol Environmental, Inc.®

Clean Water of New York, Inc.
3249 Richmond Terrace
Staten Island, NY 10303
Phone: 718-981-4600 Fax: 718-981-5213

JOB RECEIPT

Job Number	Date	Time	Job Type
JOB0100774	10/1/10	2:25 pm	Truck Job

Generator

NATIONAL GRID
175 East Old Country Rd.
Hicksville, NY 11801
(000) 000-0000
EPA Permit #

Customer

FENLEY & NICOL ENVIRONMENTAL, INC.
445 Brook Avenue
Deer Park, NY 11729
PO #: 1002964
Profile Sheet: No YES 473-005

Transporter

FENLEY & NICOL ENVIRONMENTAL, INC.
445 Brook Avenue
Deer Park, NY 11729

EPA Permit #: NYD980592570
NYS DEC Permit #: 1A-036

Transport / Vessel: VAC # 27

# of Tanks: 2
Total Capacity: 3,200
U of M: Gallons

Site / Vessel Name: NATIONAL GRID, HICKSVILLE, NY

Received 1,577 Gallons Of Oily Water For Proper Treatment and Disposal.

Products & Test Results	Category	Code	Description	Quantity	UoM
	D	N018	Oily Water	1,577	Gallons

Compartment	% Water	% Oil	% Solid	Halogens (ppm)	Flash Point (oF)
2	99.00	1.00	0.00	0	>= 100

Other Tests Peformed: No

Receiver's Signature and Date
10/1/2010 2:22 pm

Did this load or any portion of this load orginate at a utility? Yes

Generator's Representative Signature and Date

FENLEY & NICOL ENVIRONMENTAL INC.
NON-HAZARDOUS / NON-REGULATED WASTE MANIFEST

PLEASE TYPE OR PRINT CLEARLY

JOB # 1002864

DATE 10 · 01 · 10

MANIFEST # No. 24296

1. **GENERATOR OF WASTE**

NAME NATIONAL GRID

ADDRESS 175 E OLD COUNTRY RD. HICKSVILLE

PHONE NUMBER

SITE LOCATION INTERACTION ST. HEMPSTEAD

2. **IDENTIFICATION OF WASTE**

PROPER U.S. D.O.T. SHIPPING NAME	STATE CODE	CONTAINER TYPE	QTY
NON HAZARDOUS LIQUID DEGON WASTE PURGE WATER	NO18	T.T	
Spill # (if applicable)	ERG #	27	1577

3. **GENERATOR'S CLASSIFICATION**

This is to certify that the herein named materials are properly described, classified and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, Environmental Protection Administration and Local State regulations. The wastes are described herein were consigned to the transporter named. The TSD Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S CONTACT SUPERVISOR and/or (Authorized Agent) ASHTON ALI. please print or type AGENT FOR FM

SUPERVISOR'S SIGNATURE _____ TITLE ORTUEA

4. **TRANSPORTER NAME AND ADDRESS (#1)** **(#2)**

(#1)	(#2)
NAME FENLEY & NICOL ENVIRONMENTAL INC.	NAME
ADDRESS 445 BROOK AVENUE, DEER PARK, NY 11729.	ADDRESS
PHONE NUMBER 24 Hour Emergency# (516) 586-4900	PHONE NUMBER
DRIVER'S NAME _____ SIGNATURE _____	DRIVER'S NAME _____ SIGNATURE _____
INDUSTRIAL WASTE HAULER PERMIT # 1A-036 VEHICLE PLATE #	INDUSTRIAL WASTE HAULER PERMIT # VEHICLE PLATE #

5. **DISPOSAL SITE** (Must be filled in by disposal site)

NAME OF FACILITY CLEAN WATER OF N-Y

ADDRESS OF FACILITY 3244 RICHMOND TERRACE S I

PHONE NUMBER 718 - 981 · 4000

This load was received as stated by generator YES ☐ NO ☐

DISPOSAL SITE IDENTIFICATION NUMBER (if applicable)

DISPOSAL SITE INSPECTOR NAME MOREIRA

SIGNATURE _____ DATE 10/01/10

GENERATOR-White TRANSPORTER-Yellow DISPOSAL-Pink ORANGE-File

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYCESQ099999	1	631-586-4900	002797334 FLE

GENERATOR

5. Generator's Name and Mailing Address: NATIONAL GRID, 175 EAST OLD COUNTRY RD, HICKSVILLE, NY 11801, 516-545-2576
Generator's Site Address (if different than mailing address):
Generator's Phone:

6. Transporter 1 Company Name: PERMIT & RISK ENVIRONMENTAL, INC. U.S. EPA ID Number: NYD980592570

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Water of New York, Inc., 3249 Richmond Terrace, Staten Island, NY 10303, 718-981-1600 U.S. EPA ID Number: NY0000960545
Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-HAZARDOUS LIQUID WASTE, NOT DOT, NOT RCRA REGULATED	T T	G	1577		N 018
	2.					
	3.					
	4. PURGED OIL ON WATER.					

14. Special Handling Instructions and Additional Information

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Patrick J. VanRossem Signature: Patrick J VanRossem Month: 10 Day: 01 Year: 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: ASHTON GAL Signature: Month: 10 Day: 01 Year: 10

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Signature: Month: Day: Year:

CUSTOMER COPY

110 Sand Company

170 Cabot Street
West Babylon, New York 11704

TELEPHONES
Office - 631-249-4108
Scalehouse - 631-694-2822
Landfill - 631-694-2848

CUSTOMER NO.	P.O. NUMBER	TRUCK NO.	TYPE OF SALE	JOB NO.	OUR ORDER NUMBER	TICKET NO.
11222		1631	SHIPPING		011453	821425

CUSTOMER NAME:

NET WEIGHT @ NO CHARGE COD'S

GROSS	TARE	NET	UNIT	WEIGHED BY
54.49	21.37	33.12	TONS	CMM

DATE	TAX PERCENTAGE	TRUCK CODE	MATERIAL CODE
8/31/11			222

IN	OUT	CHECK NO./CHARGE TYPE	LICENSE NO.
	10:20	AF	20382

MATERIAL DESCRIPTION: NET WEIGHT NO CHARGE

DELIVERY ADDRESS

NATIONAL GRID HEMPSTEAD
TKT#821424

TOTAL TODAY

QUANTITY THIS ORDER TODAY	33.12
LOADS THIS ORDER TODAY	1

OFFICE USE ONLY

RECEIVED BY:

CARRIER SIGNATURE HORAN#31 37Y

CUSTOMER SIGNATURE

SEE REVERSE SIDE FOR COLLECTION TERMS

TRUCKER COPY

110 Sand Company

170 Cabot Street
West Babylon, New York 11704

TELEPHONES
Office - 631-249-4108
Scalehouse - 631-694-2822
Landfill - 631-694-2848

CUSTOMER NO.	P.O. NUMBER	TRUCK NO.	TYPE OF SALE	JOB NO.	OUR ORDER NUMBER	TICKET NO.
1122F		6802	SHIPPING		011453	821437

CUSTOMER NAME:
NET WEIGHT @ NO CHARGE COD'S

GROSS	TARE	NET	UNIT	WEIGHED BY
54.69	19.68	35.01	TONS	CMM

DATE	TAX PERCENTAGE	TRUCK CODE	MATERIAL CODE
8 21 11			222

IN	OUT	CHECK NO./CHARGE TYPE	LICENSE NO.
	10:44	602	

MATERIAL DESCRIPTION: WEIGHT NO CHARGE

DELIVERY ADDRESS
NATIONAL GRID HEMPSTEAD
TKT#821436

TOTAL TODAY 35.15

QUANTITY THIS ORDER TODAY 2

LOADS THIS ORDER TODAY

OFFICE USE ONLY

RECEIVED BY:

CARRIER SIGNATURE BROMANSKOI

CUSTOMER SIGNATURE _____

SEE REVERSE SIDE FOR COLLECTION TERMS

TRUCKER COPY

110 Sand Company

170 Cabot Street
West Babylon, New York 11704

TELEPHONES
Office - 631-249-4108
Scalehouse - 631-694-2822
Landfill - 631-694-2848

CUSTOMER NO.	P.O. NUMBER	TRUCK NO.	TYPE OF SALE	JOB NO.	OUR ORDER NUMBER	TICKET NO.
[illegible]		3305	SHIPPING		011453	9821453

CUSTOMER NAME:
NET WEIGHT @ NO CHARGE DOD'S

GROSS	TARE	NET	UNIT	WEIGHED BY
58.49	18.02	40.47	TONS	CMM

DATE	TAX PERCENTAGE	TRUCK CODE	MATERIAL CODE
9-21-11			222

IN	OUT	CHECK NO./CHARGE TYPE	LICENSE NO.
	11:15		AE4776926

MATERIAL DESCRIPTION: WEIGHT NO CHARGE

DELIVERY ADDRESS
[illegible] FROM REMSTERD
T: T#9821450

TOTAL TODAY

QUANTITY THIS ORDER TODAY 3

LOADS THIS ORDER TODAY

OFFICE USE ONLY

RECEIVED BY:
BRONSN#06

CARRIER SIGNATURE _____

CUSTOMER SIGNATURE _____

SEE REVERSE SIDE FOR COLLECTION TERMS

CUSTOMER COPY

110 Sand Company

170 Cabot Street
West Babylon, New York 11704

TELEPHONES

Office - 631-249-4108
Scalehouse - 631-694-2822
Landfill - 631-694-2848

CUSTOMER NO.	P.O. NUMBER	TRUCK NO.	TYPE OF SALE	JOB NO.	OUR ORDER NUMBER	TICKET NO.
1222		63	SHIPPING		011453	821958

CUSTOMER NAME:

NET WEIGHT @ NO CHARGE COD'S

GROSS	TARE	NET	UNIT	WEIGHED BY
49.52	21.37	28.15	TONS	TEM

DATE	TAX PERCENTAGE	TRUCK CODE	MATERIAL CODE
8/31/11			228

IN	OUT	CHECK NO./CHARGE TYPE	LICENSE NO.
	13:31		AF20382

MATERIAL DESCRIPTION:

TARE WEIGHT NO CHARGE

DELIVERY ADDRESS

NATIONAL GRID HEMPSTEAD
TKT#821557

TOTAL TODAY

QUANTITY THIS ORDER TODAY 136.75

LOADS THIS ORDER TODAY 4

OFFICE USE ONLY

RECEIVED BY:

CARRIER SIGNATURE HORAN#31 37Y

CUSTOMER SIGNATURE _____

SEE REVERSE SIDE FOR COLLECTION TERMS

CUSTOMER COPY

110 Sand Company

170 Cabot Street
West Babylon, New York 11704

TELEPHONES

Office - 631-249-4108
Scalehouse - 631-694-2822
Landfill - 631-694-2848

CUSTOMER NO.	P.O. NUMBER	TRUCK NO.	TYPE OF SALE	JOB NO.	OUR ORDER NUMBER	TICKET NO
11222		5802	SHIPPING		821568	821569

CUSTOMER NAME:
NET WEIGHT @ NO CHARGE COD'S

GROSS	TARE	NET	UNIT	WEIGHED BY
58.54	19.66	38.88	TONS	CHM

DATE	TAX PERCENTAGE	TRUCK CODE	MATERIAL CODE
6/30/11			ZZZ

MATERIAL DESCRIPTION: TARE WEIGHT NO CHARGE

IN	OUT	CHECK NO./CHARGE TYPE	LICENSE NO.
	12:15	ZZZ	

DELIVERY ADDRESS
NATIONAL GRID NEWTOWN
TKT#821568

TOTAL TODAY 172.61

QUANTITY THIS ORDER TODAY 5

LOADS THIS ORDER TODAY

OFFICE USE ONLY

RECEIVED BY:
BROMAN#602

CARRIER SIGNATURE _____

CUSTOMER SIGNATURE _____

SEE REVERSE SIDE FOR COLLECTION TERMS

TRUCKER COPY

110 Sand Company

170 Cabot Street
West Babylon, New York 11704

TELEPHONES
Office - 631-249-4108
Scalehouse - 631-694-2822
Landfill - 631-694-2848

CUSTOMER NO.	P.O. NUMBER	TRUCK NO.	TYPE OF SALE	JOB NO.	OUR ORDER NUMBER	TICKET NO.
11222		3306	SHIPPING		011453	821594

CUSTOMER NAME:
NET WEIGHT @ NO CHARGE COD'S

GROSS	TARE	NET	UNIT	WEIGHED BY
52.88	18.02	34.86	TONS	CMM

DATE	TAX PERCENTAGE	TRUCK CODE	MATERIAL CODE
8/31/21			222

IN	OUT	CHECK NO./CHARGE TYPE	LICENSE NO.
	14:23	RE	4776920E

MATERIAL DESCRIPTION: WEIGHT NO CHARGE

DELIVERY ADDRESS
NATIONAL BRID HEMPSTEAD
TKT#821593

TOTAL TODAY
QUANTITY THIS ORDER TODAY 208.47
LOADS THIS ORDER TODAY

OFFICE USE ONLY

RECEIVED BY:

CARRIER SIGNATURE BRIANSW6

CUSTOMER SIGNATURE _____

SEE REVERSE SIDE FOR COLLECTION TERMS

CUSTOMER COPY

110 Sand Company

170 Cabot Street
West Babylon, New York 11704

TELEPHONES

Office - 631-249-4108
Scalehouse - 631-694-2822
Landfill - 631-694-2848

CUSTOMER NO.	P.O. NUMBER	TRUCK NO.	TYPE OF SALE	JOB NO.	OUR ORDER NUMBER	TICKET NO.
11223		1631	SHIPPING		011453	321835

CUSTOMER NAME:
NET WEIGHT @ NO CHARGE COD'S

GROSS	TARE	NET	UNIT	WEIGHED BY
56.57	21.37	35.20	TONS	LMM

DATE	TAX PERCENTAGE	TRUCK CODE	MATERIAL CODE
8/31/11			222

IN	OUT	CHECK NO./CHARGE TYPE	LICENSE NO.
	13:43		AF2002C

MATERIAL DESCRIPTION: WEIGHT NO CHARGE

DELIVERY ADDRESS
NATIONAL GRID HEMPSTEAD
ATT#321834

TOTAL TODAY

QUANTITY THIS ORDER TODAY

LOADS THIS ORDER TODAY

OFFICE USE ONLY

RECEIVED BY:
MORAN#31 37

CARRIER SIGNATURE _____

CUSTOMER SIGNATURE _____

SEE REVERSE SIDE FOR COLLECTION TERMS

APPENDIX F

IMPORTED MATERIALS DOCUMENTATION

ASPHALT AND CONCRETE DELIVERY TICKETS

DISPATCH 631-243-5757

JENCO

45 S. FOURTH STREET, SUITE 1
BAY SHORE, NEW YORK 11706

OFFICE 631-243-2946
FAX 631-243-2972

READY MIX CONCRETE-SAND & GRAVEL-BAG CEMENT-GRIT-BLUESTONE-FIBERMESH

CAUTION

WARNING: INJURIOUS TO EYES: CAUSES SKIN IRRITATION: READ THIS WARNING BEFORE USING: CONTAINS PORTLAND CEMENT Contact with wet, unhardened concrete, mortar, cement or cement mixtures can cause skin irritation, severe chemical burns or serious eye damage. Avoid contact with eyes and skin. Wear waterproof gloves, a fully-buttoned, long-sleeve shirt, full-length trousers and tight-fitting eye protection when working with these materials. If you have to stand in wet concrete, use waterproof boots that are tight at the top and high enough to keep concrete from flowing into them. If you are finishing concrete, wear knee pads to protect knees. Wash wet concrete, mortar, cement or cement mixtures from your skin with fresh, clean water immediately after contact. Indirect contact through clothing can be as serious as direct contact, so promptly rinse wet concrete, mortar, cement or cement mixtures from clothing. Seek immediate medical attention if you have persistent or severe discomfort. In case of eye contact, flush with plenty of water for at least 15 minutes. Consult a physician immediately. KEEP OUT OF REACH OF CHILDREN. USER AGREES TO CONVEY THIS WARNING TO ALL PERSONS WHO MAY USE OR COME INTO CONTACT WITH WET (UNHARDENED) CONCRETE, MORTAR, CEMENT OR CEMENT MIXTURES.

PRODUCT SAFETY DATA SHEET AVAILABLE UPON REQUEST

CRYSTALLINE SILICA CARCINOGENIC POTENTIAL: Concrete frequently contains crystalline silica in concentrations greater than 0.1 percent, principally contributed by the aggregates. Respirable crystalline silica is classified by the International Agency for Research on Cancer as a known human carcinogen and by the National Toxicology Program as "reasonable anticipated to be a human carcinogen." Crystalline silica in wet concrete is not respirable and does not pose a hazard when the concrete is in its plastic or hardened state. Once concrete has hardened, airborne dust generated by grinding, sawing, drilling, breaking, etc., can lead to occupationally hazardous exposures to workers and appropriate respiratory protection precautions should be taken.

UNLOADING

Drivers are prohibited from delivering concrete except under the truck's own power and where site conditions permit the safe and proper operation of his equipment. Drivers are not permitted to go beyond the curb line, except upon the authorization of the customer and his acceptance of risk for any loss or damage. The customer must provide and be responsible for safe and sure access to the site. On-site towing charges will be the customer's responsibility.

This concrete is designed in accordance with required specifications. This concrete will be delivered at 2" to 4" slump and will reach the desired strength in 28 days if properly placed and cured. We do not assume responsibility for strength test when water is added at customer's request. Unload promptly. 8 minutes per yard unloading allowance. $1.50 per minute overtime.

TERMS: Net 30 days. A charge of 1½% per month for all Past Due Accounts may be added-18% Annually

Water added:

Customer's representative _____ Gallons

CUSTOMER ID	P.O. NUMBER	ZONE	JOB NUMBER	TIME 12:39PM	DATE 17Sep10	TICKET B27708
SHIP TO ST-COUNTY			DELIVER TO HILTON AV HEMPSTED NAT GRID	TRUCK NO. 115		PROJECT DESC.
				DRIVER CHARLES S		

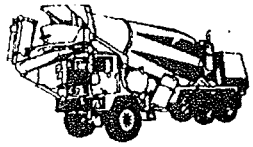
QUANTITY THIS LOAD	QUANTITY ORDERED	QUANTITY DELIVERED	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT OF PRICE	EXTENDED PRICE
6.00	6.00	6.00	64	4000 HIGH EARLY	YRD		
6.00			52	ZONE 2			
2400.00			0	POZZUTEC 20 +			

TRUCK 115	PLANT JENCO	SLUMP	DUE AT JOB 1:30	USE OF CONCRETE			
TIME LEFT PLANT 1220	TIME ARRIVED JOB 102		TIME UNLOADED 20	TIME ARRIVED PLANT 5		SUB TOTAL	
CEMENT LBS. 716	FINE AGG/LBS. 1571	COARSE AGG/LBS. 1716	ORDERED BY			TAX	
						TOTAL	

SPECIAL INSTRUCTIONS

$ Today:

JENCO



DISPATCH 631-243-5757

45 S. FOURTH STREET, SUITE 1
BAY SHORE, NEW YORK 11706

OFFICE 631-243-2946
FAX 631-243-2972

READY MIX CONCRETE-SAND & GRAVEL-BAG CEMENT-GRIT-BLUESTONE-FIBERMESH

CAUTION

WARNING: INJURIOUS TO EYES: CAUSES SKIN IRRITATION: READ THIS WARNING BEFORE USING: CONTAINS PORTLAND CEMENT Contact with wet, unhardened concrete, mortar, cement or cement mixtures can cause skin irritation, severe chemical burns or serious eye damage. Avoid contact with eyes and skin. Wear waterproof gloves, a fully-buttoned, long-sleeve shirt, full-length trousers and tight-fitting eye protection when working with these materials. If you have to stand in wet concrete, use waterproof boots that are tight at the top and high enough to keep concrete from flowing into them. If you are finishing concrete, wear knee pads to protect knees. Wash wet concrete, mortar, cement or cement mixtures from your skin with fresh, clean water immediately after contact. Indirect contact through clothing can be as serious as direct contact, so promptly rinse wet concrete, mortar, cement or cement mixtures from clothing. Seek immediate medical attention if you have persistent or severe discomfort. In case of eye contact, flush with plenty of water for at least 15 minutes. Consult a physician immediately. KEEP OUT OF REACH OF CHILDREN. USER AGREES TO CONVEY THIS WARNING TO ALL PERSONS WHO MAY USE OR COME INTO CONTACT WITH WET (UNHARDENED) CONCRETE, MORTAR, CEMENT OR CEMENT MIXTURES.

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CRYSTALLINE SILICA CARCINOGENIC POTENTIAL: Concrete frequently contains crystalline silica in concentrations greater than 0.1 percent, principally contributed by the aggregates. Respirable crystalline silica is classified by the International Agency for Research on Cancer as a known human carcinogen and by the National Toxicology Program as reasonably anticipated to be a carcinogen. Crystalline silica in wet concrete is not respirable and does not pose a hazard when the concrete is in its plastic or unhardened state. Once concrete has hardened, airborne dust generated by grinding, sawing, drilling, breaking, etc., can lead to potentially hazardous exposures to workers and appropriate respiratory protection precautions should be taken.

UNLOADING

Drivers are prohibited from delivering concrete except under the truck's own powe and where site conditions permit the safe and proper operation of his equipmen Drivers are not permitted to go beyond the curb line, except upon the authorization o the customer and his acceptance of risk for any loss or damage. The cusotmer mu provide and be responsible for safe and sure access to the site. On-site towin charges will be the customer's responsibility.

This concrete is designed in accordance with required specifications. This concrei will be delivered at 2" to 4" slump and will reach the desired strength in 28 days properly placed and cured. We do not assume responsibility for strength test whe water is added at customer's request. Unload promptly. 6 minutes per yard unloadin allowance. $1.50 per minute overtime.

TERMS: Net 30 days. A charge of 1½% per month for all Past Due Accounts may b added-18% Annually.

Customer's representative

Water added: _____ Gallons

CUSTOMER ID	P.O. NUMBER	ZONE	JOB NUMBER	TIME	DATE	TICKET
3		80		12:19PM	20Sep10	B27763

SOLD TO	DELIVER TO	TRUCK NO.	PROJECT DESC.
BI-COUNTY	158 HILTON AV HEMPSTEAD	116	
		DRIVER: CHARLI M	

QUANTITY THIS LOAD	QUANTITY ORDERED	QUANTITY DELIVERED	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT OF PRICE	EXTENDED PRICE
7.00	7.00	7.00	442R	4000 PSI 4RD	yd3		
7.00			53	ZONE 3			
39.20			35	GLENIUM 7500			

TRUCK	PLANT	SLUMP	DUE AT JOB	USE OF CONCRETE		
116	JENCO	4 1/5	1:00	SIDEWALKS		SUB TOTAL
						TAX
						TOTAL

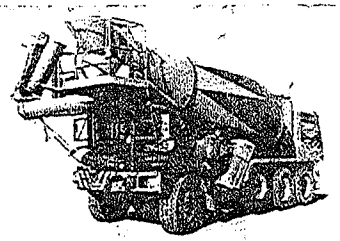
TIME LEFT PLANT	TIME ARRIVED JOB	TIME UNLOADED	TIME ARRIVED PLANT
210	108	206	235

CEMENT/LBS.	FINE AGG/LBS.	COARSE AGG/LBS.	ORDERED BY
564	1511#	1750	GREG

SPECIAL INSTRUCTIONS

7702. Ret

$ Today:



COMMERCIAL CONCRETE CORP.

P.O. Box 10155
Westbury, NY 11590
(516) 333-7422 Fax (516) 333-8179

AUTHORIZATION TO ADD WATER

BY: _____

GAL WATER ADDED

The seller will not assume any responsibility for strength of concrete if water is added to the concrete on the job by the purchaser.

MIX DESIGN	
CEMENT	
FINE AGG.	
COARSE AGG.	
AIR ENTRAIN (ounces)	
WATER/GALS	
OTHER	

PLANT CODE	DISPATCHING	TESTING LAB	SLUMP	TICKET REF. NO
#1	MARCO			

DATE	DRIVER	TRUCK NO.	ORDER NO.
4/6/2011	LOAD3	64	184659

SOLD TO: M.G & SONS
12 COUNTRYWIDE LANE
CENTEREACH NY 11720

SHIPPED TO: SEALY AVE
HEMPSTEAD NY

PRODUCT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
4000#D	4000# Design Mix		5		

LEFT PLANT	ON JOB	LEFT JOB	WAITING TIME	TOTAL ORDERED	YARDS TO DAY	COLLECT GRAND TOTAL

SUB TOTAL
TAX
TOTAL

RECEIVED BY

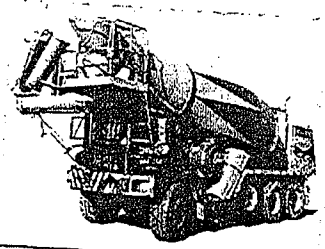
NOT RESPONSIBLE FOR VARIANCE IN COLOR SUBJECT TO CONDITIONS ON REVERSE SIDE

DELIVERY CODE

TICKET NUMBER

INSPECTOR

CONDITIONS OF SALE: TERMS, NET 30. A LATE PAYMENT CHARGE OF 1.5% PER MONTH WILL BE ASSESSED AGAINST BALANCES OUTSTANDING OVER 30 DAYS. THE UNDERSIGNED AGREES TO PAY ALL COST OF COLLECTION, OR COST OF ATTEMPTING TO COLLECT DELINQUENT PAYMENTS, INCLUDING REASONABLE ATTORNEY FEES NOT TO EXCEED 25%, WHETHER THE SAME IS COLLECTED THROUGH SUIT OR OTHERWISE. THE UNDERSIGNED ALSO AGREES TO ABIDE BY COMPANY POLICIES AND PROCEDURES, AND PERSONALLY GUARANTEES THE PAYMENT OF ALL BILLS INCURRED BY THE ABOVE-MENTIONED COMPANY



COMMERCIAL CONCRETE CORP.

P.O. Box 10155
Westbury, NY 11590
(516) 333-7422 Fax (516) 333-8179

AUTHORIZATION TO ADD WATER

BY: _____

GAL. WATER ADDED

The seller will not assume any responsibility for strength of concrete if water is added to the concrete on the job by the purchaser.

MIX DESIGN

CEMENT

FINE AGG.

COARSE AGG.

AIR ENTRAIN (ounces)

WATER GALS.

OTHER

PLANT CODE	DISPATCHING	TESTING LAB	SLUMP	TICKET REF. NO
#11	MATEO			

DATE	DRIVER	TRUCK NO.	ORDER NO.
4/6/2011	LOAD 2	84	184590

SOLD TO:
M & G SONS
12 COUNTRYWIDE LANE
CENTEREACH, NY 11720

SHIPPED TO:
SEALY AVE
HEMPSTEAD NY

PRODUCT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
4 CCOMB	4000# DESIGN MIX		11		

LEFT PLANT	ON JOB	LEFT JOB	WAITING TIME	TOTAL ORDERED	YARDS TO DAY	COLLECT GRAND TOTAL	SUB TOTAL
							TAX
							TOTAL

RECEIVED BY

NOT RESPONSIBLE FOR VARIANCE IN COLOR SUBJECT TO CONDITIONS ON REVERSE SIDE

DELIVERY CODE

TICKET NUMBER

INSPECTOR

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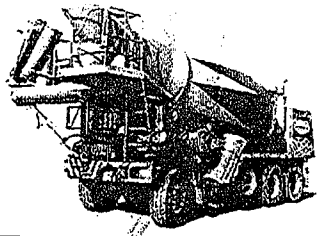


COMMERCIAL CONCRETE CORP.

P.O. Box 10155
Westbury, NY 11590
(516) 333-7422 Fax (516) 333-8179

AUTHORIZATION TO ADD WATER

BY: _____

GAL. WATER ADDED

The seller will not assume any responsibility for strength of concrete if water is added to the concrete on the job by the purchaser.

MIX DESIGN
CEMENT
FINE AGG.
COARSE AGG.
AIR ENTRAIN (ounces)
WATER/GALS
OTHER

PLANT CODE	DISPATCHING	TESTING LAB	SLUMP	TICKET REF. NO
511	MARGO			
DATE	**DRIVER**	**TRUCK NO.**	**ORDER NO.**	
4/16/2021	LOAD	64	184589	

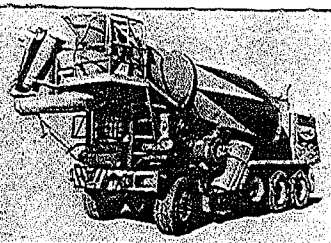
SOLD TO: M6 + Sons
CENTERMEAD NY 11720

SHIPPED TO: SEALY AVE
HEMPSTEAD NY

PRODUCT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
4000#D	4000# Design Mix		11		

LEFT PLANT	ON JOB	LEFT JOB	WAITING TIME	TOTAL ORDERED	YARDS TO DAY	COLLECT GRAND TOTAL	SUB TOTAL
							TAX
RECEIVED BY				NOT RESPONSIBLE FOR VARIANCE IN COLOR SUBJECT TO CONDITIONS ON REVERSE SIDE		DELIVERY CODE	TOTAL
INSPECTOR							TICKET NUMBER

CONDITIONS OF SALE: TERMS, NET 30. A LATE PAYMENT CHARGE OF 1.5% PER MONTH WILL BE ASSESSED AGAINST BALANCES OUTSTANDING OVER 30 DAYS. THE UNDERSIGNED AGREES TO PAY ALL COST OF COLLECTION, OR COST OF ATTEMPTING TO COLLECT DELINQUENT PAYMENTS, INCLUDING REASONABLE ATTORNEY FEES NOT TO EXCEED 25%, WHETHER THE SAME IS COLLECTED THROUGH SUIT OR OTHERWISE. THE UNDERSIGNED ALSO AGREES TO ABIDE BY COMPANY POLICIES AND PROCEDURES, AND PERSONALLY GUARANTEES THE PAYMENT OF ALL BILLS INCURRED BY THE ABOVE-MENTIONED COMPANY



COMMERCIAL CONCRETE CORP.

P.O. Box 10155
Westbury, NY 11590
(516) 333-7422 Fax (516) 333-8179

AUTHORIZATION TO ADD WATER

BY: _____

_____ GAL. WATER ADDED

The seller will not assume any responsibility for strength of concrete if water is added to the concrete on the job by the purchaser.

MIX DESIGN	
CEMENT	
FINE AGG.	
COARSE AGG.	
AIR ENTRAIN (ounces)	
WATER/GALS	
OTHER	

PLANT CODE	DISPATCHING	TESTING LAB	SLUMP	TICKET REF. NO
#1	MARIO			
DATE	**DRIVER**	**TRUCK NO.**	**ORDER NO.**	
4/14/2021	LOUIE	24	184875	

SOLD TO:
M. G. & SONS
12 COUNTRYWIDE LANE
CENTEREACH, NY 11720-

SHIPPED TO:
77 SEALY AVE
HEMPSTEAD, NY

PRODUCT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
4000#D	4000# Design Mix		10		

LEFT PLANT	ON JOB	LEFT JOB	WAITING TIME	TOTAL ORDERED	YARDS TO DAY	COLLECT GRAND TOTAL

SUB TOTAL
TAX
TOTAL

RECEIVED BY

NOT RESPONSIBLE FOR VARIANCE IN COLOR SUBJECT TO CONDITIONS ON REVERSE SIDE

DELIVERY CODE

TICKET NUMBER

INSPECTOR

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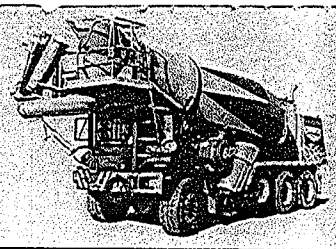

COMMERCIAL CONCRETE CORP.

P.O. Box 10155
Westbury, NY 11590
(516) 333-7422 Fax (516) 333-8179

AUTHORIZATION TO ADD WATER

BY: _____

GAL WATER ADDED

The seller will not assume any responsibility for strength of concrete if water is added to the concrete on the job by the purchaser.

MIX DESIGN	
CEMENT	
FINE AGG.	
COARSE AGG.	
AIR ENTRAIN (ounces)	
WATER/GALS	
OTHER	

PLANT CODE	DISPATCHING	TESTING LAB	SLUMP	TICKET REF. NO
1	MARCO		3	

DATE	DRIVER	TRUCK NO.	ORDER NO.
4/14/2011	LOAD 2	09	184981

SOLD TO:

M-G & SONS
12 COUNTRYSIDE LANE
CENTEREACH, NY 11720-

SHIPPED TO:

77 SEALY AVE
HEMPSTEAD, NY

PRODUCT NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
4000#D	4000# Design Mix		9		

LEFT PLANT	ON JOB	LEFT JOB	WAITING TIME	TOTAL ORDERED	YARDS TO DAY	COLLECT GRAND TOTAL

SUB TOTAL
TAX
TOTAL

RECEIVED BY

NOT RESPONSIBLE FOR VARIANCE IN COLOR SUBJECT TO CONDITIONS ON REVERSE SIDE

DELIVERY CODE

TICKET NUMBER

INSPECTOR

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INTERNATIONAL GEOTECHNICAL/STRUCTURAL LABORATORIES INC.
www.internationallabs.com
Administrative Office: 34-01 Broadway, Astoria, N.Y. 11106
Tel: (718) 726-1527 Fax: (718) 956-0274

CONCRETE MIX DESIGN REPORT

Client:	COMMERCIAL CONCRETE CORP.,	Report Date:	03/08/10
		Date trial mixture performed:	02/13/10
Notes: CONCRETE DESIGN MIX: 4,000 psi		Lab No:	54
PROJECT'S SPECIFIED STRENGTH (f'c): 4,000 psi		Mix Type:	CONVENTIONAL
PROJECT'S REQUIRED STRENGTH (f'cr): 5,200psi < 5,281 psi OK (28 days break)		Method:	WEIGHT EQUIVALENCY
Project Address: IN HOUSE QC MIXES		Tested By:	INTERNATIONAL CONCRETE LAB
Concrete Plant Supplier: Commercial Concrete Corp.		Picked By:	INTERNATIONAL CONCRETE LAB

4,000 psi + 30% A.E. CONVENTIONAL

Product:	Type & Source	ASTM		
Cement	PORTLAND TYPE I / II LEHIGH	ASTM C150		
Fly Ash:		ASTM C618		
Slag:				
Silica Fume:		ASTM C1240		
Fine Agg.	SAND / Roanoke Sand & Gravel Corp	ASTM C33		
Coarse Agg.	GRAVEL / TILCON, GRIT #57 (3/4)	ASTM C33		
Water:	NYC POTABLE	ASTM C94		
Admixture 1	Euclid / Air Mix 200	ASTM C260		
Admixture 2	WATER REDUCER / Euclid/ Eucon MR	ASTM C494		
Admixture 3				

Recommended Mix Design # 3				
Cement (lbs):	660			
Fly Ash (lbs):				
Slag (lbs):				
microsilica (lbs):				
Fine Agg. (lbs):	1,200			
Coarse Agg.(lbs):	1,747			
Water (gals):	32.5			
Admixture 1 (oz.):	5.44			
Admixture 2 (oz):	24.96			
Admixture 3 (oz):				
W/C Ratio:	0.41			
Slump (in):	4			
Air Content (%):	5.25			
U. Wt. P.C.F.	148.3			

REMARKS:	This Design mix is verified by trial mix

STATE OF NEW YORK ... PROFESSIONAL ENGINEER

CHANGE ORDER TO RE USE ONSITE EXCAVATED SOIL AS BACKFILL

SHOP DRAWING/SUBMITTAL REVIEW COMMENTS

PROJECT: **National Grid**
Off-Site Groundwater Treatment System for the Hempstead Intersection Street Former MGP Site

CONTRACTOR: **Fenley & Nicol Environmental, Inc.**

URS PROJECT NO.: **11175065**

SUBMITTAL NO.: *02221_1.4.2*

DESCRIPTION: Request to use excavated on-site soil or off-site soils as fill (NG2010-71)

REVIEW STATUS: *Choose one of the following:*

- ☐ **APPROVED**
- ☒ **APPROVED AS NOTED**
- ☐ **REVISE AND RESUBMIT**
- ☐ **REJECTED**
- ☐ **FOR INFORMATION ONLY**

REVIEW COMMENTS:

- Fenley & Nicol is proposing the use of one off-site material ("fine sand" from source 10-34-F, proposed in submittal no. NG2010-71) and one on-site material (on-site excavated soils) in place of the flowable fill specified as backfill of the trenches excavated for the 3/4-inch diameter HDPE pipes. Therefore, mention in this submittal of pea gravel is not relevant.

- In accordance with the Construction Operations Plan, Fenley & Nicol will first place and compact the fine sand in and around the bundled oxygen tubes. The on-site excavated soils will be used as backfill above that.

- Where the HDPE pipe bundles cross under any road or similar area of significant loading, Fenley & Nicol will encase the HDPE pipes within a 12-inch diameter schedule 40 PVC pipe as specified in the Construction Operations Plan.

- Fenley & Nicol will perform the testing (Proctor or Maximum Index Density testing) on the fine sand and the on-site excavated soils to determine the density values to be used to determine acceptable compaction.

Reviewed by: Jon Sundquist Date: May 11, 2010

PROJECT NAME:	GROUNDWATER TREATMENT SYSTEMS INTERSECTION STREET – HEMPSTEAD, NY
OWNER:	NATIONAL GRID PATRICK VAN ROSSEM 175 EAST OLD COUNTRY ROAD HICKSVILLE, NY
ENGINEER:	URS CORPORATION JAMES STACHOWSKI 77 GOODELL STREET BUFFALO, NY
CONTRACTOR:	FENLEY & NICOL ENVIRONMENTAL, INC. 445 BROOK AVENUE DEER PARK, NY 11729
DATE:	4/2/10
SECTION NUMBER & TITLE:	02221 – Trenching and Backfilling
SECTION PART NUMBER & TITLE:	Part 1 – 1.4.2 Requests to use excavate on-site soil or Off-site soils as fill.
ITEM:	
SUBMITTAL NUMBER:	NG2010-66

No Approval Required ☐
Approval Required ☐
Response Required ☐
Revised and Resubmitted as Noted ☐
For Information Only ☐

Fenley & Nicol Environmental, Inc.

"SOLUTIONS AT WORK"®

445 Brook Avenue, Deer Park, NY 11729 (631) 586-4900 · NYC (718) 204-4993 FAX (631) 586-4920

April 5, 2010

Mr. Patrick J. Van Rossem
National Grid
175 East Old Country Road
Hicksville, New York 11801

Re: Request to use Off-Site Fill
Off-Site Groundwater Treatment Systems Installation
For the Hempstead Intersection Street
Former Manufactured Gas Plant Site
Villages of Hempstead & Garden City
Nassau County, New York

Dear Mr. Van Rossem:

We have utilized flowable fill at atmospheric pressure which will solidify to 90 to 120 psi over a 28-day period to legally abandon chemical and petroleum underground storage tanks (UST) and pipelines on Long Island and New York City for over forty years. This practice has been recognized as acceptable alternative when elimination and removal is not feasible. Bedding and backfilling large and small diameter HDPE lines in shallow excavations with flowable fill is relatively more expensive and time consuming when compared with backfilling with medium sand and small round stones.

We have also utilized pressured Portland-Bentonite water slurry mixtures for nearly 40 years to properly abandon soil boring, well, and while installing remediation and monitoring wells within the regional aquifer.

Mechanical compaction of sand or self compacting pea gravel meeting ASTM C-33 as bedding will achieve over 100 psi compressive strength over the ¾-inch diameter bundles of oxygen lines, with greater reliability than slurry filling a dry trench with flowable fill (dilute concrete) mixtures. The required burial does not warrant grouting since we will be sufficiently above groundwater and our experienced professionals can safely employ mechanical tamping equipment without engineered shoring or sloping systems. Compacted sand can be immediately field tested for strength compared with flowable fill which requires additional time (at least 24-hours) to solidify and strengthen to required compaction to complete backfilling and required restoration. Moreover, confirmatory quality control laboratory strength testing of the flowable fill samples will not be completed for several weeks. Based on the quantity of flowable material required for this project, we would be collecting hundreds of samples and documenting the strength along thousands of feet of oxygen lines while awaiting the final test results.

The delivery of flowable fill is limited to smaller mixing trucks which are nearly 1/3 the capacity of dump trucks which would deliver backfill material which has undergone inspection and confirmatory sieve analysis prior to delivery. Upon completion of mechanical tamping and installation of continuous HDPE lines by our Matrix® trained plumbers, our engineers will perform field testing to verify the compressive strength in order to exceed the requirements established by Matrix® and Nassau County Department of Public Works (NCDPW) and Nassau County Buildings Department. We do not recommend flowable fill over a more reliable and safer installation with compacted #2 sand or self-compacting Pea Gravel meeting ASTM C-33.

Based upon the above information, we formally request that we utilize either off-site fill or on-site fill, if deemed reusable, in lieu of flowable fill.

Should you have any questions or comments regarding this report, please contact me at (631) 586-4900, extension 128.

Sincerely,
Fenley & Nicol Environmental, Inc.

Matthew F. Schieferstein
Project Manager

Cc: Jim Stachowski, P.E., URS Corporation

IMPORTED TOPSOIL

SHOP DRAWING/SUBMITTAL REVIEW COMMENTS

PROJECT: **National Grid**
Off-Site Groundwater Treatment System for the Hempstead Intersection Street Former MGP Site

CONTRACTOR: **Fenley & Nicol Environmental, Inc.**

URS PROJECT NO.: **11175065**

SUBMITTAL NO.: *02221_1.4.7 No. 2 rev. 1*

DESCRIPTION: Borrow Soil Test Results (NG2010-71a)

REVIEW STATUS: *Choose one of the following:*

- ☒ **APPROVED**
- ☐ **APPROVED AS NOTED**
- ☐ **REVISE AND RESUBMIT**
- ☐ **REJECTED**
- ☐ **FOR INFORMATION ONLY**

REVIEW COMMENTS:

Reviewed by: Jon Sundquist Date: August 9, 2010

PROJECT NAME:	GROUNDWATER TREATMENT SYSTEMS INTERSECTION STREET – HEMPSTEAD, NY
OWNER:	NATIONAL GRID PATRICK VAN ROSSEM 175 EAST OLD COUNTRY ROAD HICKSVILLE, NY
ENGINEER:	URS CORPORATION JON SUNDQUIST 77 GOODELL STREET BUFFALO, NY
CONTRACTOR:	FENLEY & NICOL ENVIRONMENTAL, INC. 445 BROOK AVENUE DEER PARK, NY 11729
DATE:	8/2/10
SECTION NUMBER & TITLE:	02221 - Trenching and Backfilling
SECTION PART NUMBER & TITLE:	Part 1 - 1.4.7 Borrow Soil Test Results - Top Soil
SUBMITTAL NUMBER:	NG2010-71a Revision 1

No Approval Required ☐
Approval Required ☐
Response Required ☐
Revised and Resubmitted as Noted ☐
For Information Only ☐

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Fenley & Nicol Environmental
445 Brook Ave.
Deer Park NY, 11729
Attention: Matthew Schieferstein

Report Date: 07/30/2010
Client Project ID: 1002965
York Project (SDG) No.: 10G0729

Report Date: 07/30/2010
Client Project ID: 1002965
York Project (SDG) No.: 10G0729

Fenley & Nicol Environmental
445 Brook Ave.
Deer Park NY, 11729
Attention: Matthew Schieferstein

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 23, 2010 and listed below. The project was identified as your project: **1002965**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
10G0729-01	Hubbard Top Soil	Soil	07/22/2010	07/23/2010

General Notes for York Project (SDG) No.: 10G0729

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 07/30/2010

Robert Q. Bradley
Managing Director

YORK

Sample Information

Client Sample ID: **Hubbard Top Soil** **York Sample ID:** **10G0729-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10G0729	1002965	Soil	July 22, 2010 3:00 pm	07/23/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.89	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.53	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.89	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
67-66-3	Chloroform	ND		ug/kg dry	0.87	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS

Sample Information

Client Sample ID: **Hubbard Top Soil** **York Sample ID:** **10G0729-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10G0729	1002965	Soil	July 22, 2010 3:00 pm	07/23/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	2.1	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.94	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.92	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-09-2	**Methylene chloride**	**23**	B	ug/kg dry	2.6	22	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.77	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.3	22	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.60	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
100-42-5	Styrene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
108-88-3	Toluene	ND		ug/kg dry	0.56	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS

Sample Information

Client Sample ID: **Hubbard Top Soil** **York Sample ID:** **10G0729-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10G0729	1002965	Soil	July 22, 2010 3:00 pm	07/23/2010

Semi-Volatiles, PAH Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	108	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	52.2	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
120-12-7	Anthracene	ND		ug/kg dry	46.2	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
56-55-3	**Benzo(a)anthracene**	**392**		ug/kg dry	72.1	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
50-32-8	**Benzo(a)pyrene**	**389**		ug/kg dry	48.6	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
205-99-2	**Benzo(b)fluoranthene**	**739**		ug/kg dry	70.9	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
191-24-2	**Benzo(g,h,i)perylene**	**94.6**	J	ug/kg dry	56.0	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
207-08-9	**Benzo(k)fluoranthene**	**372**		ug/kg dry	72.1	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
218-01-9	**Chrysene**	**536**		ug/kg dry	75.1	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.1	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
206-44-0	**Fluoranthene**	**1240**		ug/kg dry	108	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
86-73-7	Fluorene	ND		ug/kg dry	52.2	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**106**	J	ug/kg dry	68.7	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
91-20-3	Naphthalene	ND		ug/kg dry	55.7	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
85-01-8	**Phenanthrene**	**516**		ug/kg dry	68.7	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
129-00-0	**Pyrene**	**1280**		ug/kg dry	66.8	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.00883	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.00883	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.00883	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.00883	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.00883	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.00760	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.00760	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.00760	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.00760	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR

Sample Information

Client Sample ID: **Hubbard Top Soil** **York Sample ID:** **10G0729-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10G0729	1002965	Soil	July 22, 2010 3:00 pm	07/23/2010

Metals, Priority Pollutant

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/kg dry	0.156	0.335	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-38-2	**Arsenic**	**6.56**		mg/kg dry	0.212	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.011	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.145	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-47-3	**Chromium**	**12.8**		mg/kg dry	0.089	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-50-8	**Copper**	**26.6**		mg/kg dry	0.156	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7439-92-1	**Lead**	**56.1**		mg/kg dry	0.112	0.335	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-02-0	**Nickel**	**11.5**		mg/kg dry	0.078	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7782-49-2	**Selenium**	**1.11**		mg/kg dry	0.236	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-22-4	Silver	ND		mg/kg dry	0.101	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-28-0	Thallium	ND		mg/kg dry	0.212	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-66-6	**Zinc**	**72.8**		mg/kg dry	0.078	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.108	0.112	1	EPA SW846-7471	07/29/2010 13:59	07/29/2010 13:59	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**89.5**		%	0.100	0.100	1	SM 2540G	07/30/2010 09:24	07/30/2010 09:24	AD

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 1060729

YOUR Information

Company: F+N
Address: 445 Brook Ave
Deer Park NY 11729
Phone No. 631-586-4900
Contact Person: Matt S
E-Mail Address: —

Report To:

Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

1002965

Purchase Order No.

Samples from: CT ___ NY X NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type/Deliverbles

- Summary Report ___
- Summary w/ QA Summary ___
- CT RCP Package ___
- NY ASP A Package ___
- NY ASP B Package ___
- *Electronic Deliverables:*
- EDD (Specify Type) ___
- Excel ___

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Matthew Schiefelstein
Name (printed)

Matrix Codes

S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot.Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
Hubbard Top Soil	7/22/10 0925	Soil	Total VOC's via 8260, PAH, 8082 PCB, Total Metals PP13	1-2oz & 1-8oz

Comments

Preservation Check those Applicable

4°C X Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other

Samples Relinquished By Date/Time

Samples Relinquished By Date/Time

Samples Received By H B Horton 7/23/10 1223 pm
Date/Time

Samples Received in LAB by Pace 7/23/10 1645
Date/Time

Temperatur on Receip
4.9 °C

NYSDOT SOURCE APPROVALS FOR AGGREGATE

SHOP DRAWING/SUBMITTAL REVIEW COMMENTS

PROJECT: **National Grid**
Off-Site Groundwater Treatment System for the Hempstead Intersection Street Former MGP Site

CONTRACTOR: **Fenley & Nicol Environmental, Inc.**

URS PROJECT NO.: **11175065**

SUBMITTAL NO.: *02221_1.4.7*

DESCRIPTION: Borrow Soil Test Results (NG2010-71)

REVIEW STATUS: *Choose one of the following:*

- ☐ **APPROVED**
- ☒ **APPROVED AS NOTED**
- ☐ **REVISE AND RESUBMIT**
- ☐ **REJECTED**
- ☐ **FOR INFORMATION ONLY**

REVIEW COMMENTS:

- Submittal does not provide chemical analyses as required; however, approval from DOT for fill is considered sufficient in lieu of analyses.
- Fenley & Nicol shall perform the required testing (Proctor or Maximum Index Density testing) on the fine sand and the on-site excavated soils to determine the density values to be used to determine acceptable compaction.

Reviewed by: Jon Sundquist Date: May 11, 2010

PROJECT NAME:	GROUNDWATER TREATMENT SYSTEMS INTERSECTION STREET – HEMPSTEAD, NY
OWNER:	NATIONAL GRID PATRICK VAN ROSSEM 175 EAST OLD COUNTRY ROAD HICKSVILLE, NY
ENGINEER:	URS CORPORATION JAMES STACHOWSKI 77 GOODELL STREET BUFFALO, NY
CONTRACTOR:	FENLEY & NICOL ENVIRONMENTAL, INC. 445 BROOK AVENUE DEER PARK, NY 11729
DATE:	4/2/10
SECTION NUMBER & TITLE:	02221 – Trenching and Backfilling
SECTION PART NUMBER & TITLE:	Part 1 – 1.4.7 Borrow Soil Test Results
ITEM:	
SUBMITTAL NUMBER:	NG2010-71

No Approval Required ☐
Approval Required ☐
Response Required ☐
Revised and Resubmitted as Noted ☐
For Information Only ☐

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
ALBANY, N.Y. 12232
www.nysdot.gov

STANLEY GEE
ACTING COMMISSIONER

DAVID A. PATERSON
GOVERNOR

January 1, 2010

Aggregate Source Status

Name: **110 Sand Company**

Source No.: **10- 34F,G**

Location: **Melville, NY**

Coarse Aggregate Approved for Item 703-02

10- 34G approved for screened gravel only.

Fine Aggregate Approved for Item 703-01

Mr. James Debis
110 Sand Company
136 Spagnoli Rd
Melville, NY 11747

Dear Mr. Debis:

Aggregate from the operating location noted above is approved for Item 703-01 and 703-02, Fine and Coarse Aggregate. The requirements of Materials Method 29, Aggregate Acceptance Procedures, have been met.

Aggregate sources which satisfy all applicable requirements of Materials Method 29, issued July 2007, appear on the Approved List of Sources of Fine and Coarse Aggregates. The Approved List is available on the Internet @

www.nysdot.gov and clicking on A-Z Site Index, Aggregates.

Approval status is reaffirmed by testing every 2 years. However, approval status may be modified if it is determined that conditions have changed. The Regional Materials Engineer may be consulted for current data concerning this or any source.

Any questions regarding these matters, may be directed to Mr. William Skerritt or members of his staff in the Materials Bureau, Engineering Geology Section at (518) 457-1038.

Very truly yours,

William Skerritt
Engineering Geology

WHS/MJB
File: 10- 34F,G
cc: Sid Bhattacharya, Region 10 Materials Engineer

State of New York
Department of Transportation
State Office Building
250 Veterans Memorial Highway
Hauppauge, N.Y. 11788-5518

Subimal Chakraborti, P.E.
Regional Director

Astrid C. Glynn
Acting Commissioner

March 20, 2009

110 Sand Company
170 Cabot St.
West Babylon, NY 11704

To Whom It May Concern:

Updated Department Test Number(s)

Source # 10-34F
Sand Test # 08AF105

The above test number(s) are to be used for the next two years at which time the source will be sampled and tested again. If there any questions regarding your aggregate approval, please contact Mr. Thomas Iraggi of my staff at (631) 952-6184.

Very truly yours,

Sid Bhattacharya, P.E.
Materials Engineer
N.Y.S.D.O.T., Region 10

cc: Kuros Sorbi
Technical Services Supervisor

Fine Sand

Sample date : 11/13/2006
Test date : 11/13/2006
Sample weight : 95.5 (g)

Sieve Size	Weight retained	Percent retained	Percent Passing	State Spec
1/4"	0.0	0.00	100.00	
#4	0.0	0.00	100.00	100%
#8	0.0	0.00	100.00	95%-100%
#16	0.1	0.10	99.90	
#30	5.5	5.76	94.14	
#40	7.8	8.17	85.97	
#50	36.0	37.70	48.27	10%-40%
#100	31.3	32.77	15.50	0%-15%
#200	2.9	3.04	12.46	
Pan	11.9	12.46		
Total	95.5	100.00		

NYSDOT SOURCE APPROVALS FOR CONCRETE MATERIALS

SHOP DRAWING/SUBMITTAL REVIEW COMMENTS

PROJECT: **National Grid**
Off-Site Groundwater Treatment System for the Hempstead Intersection Street Former MGP Site

CONTRACTOR: **Fenley & Nicol Environmental, Inc.**

URS PROJECT NO.: **11175065**

SUBMITTAL NO.: *03010_1.3B_No.1*

DESCRIPTION: Certified Test Reports (NG2010-102)

REVIEW STATUS: *Choose one of the following:*

- ☒ **APPROVED**
- ☐ **APPROVED AS NOTED**
- ☐ **REVISE AND RESUBMIT**
- ☐ **REJECTED**
- ☐ **FOR INFORMATION ONLY**

REVIEW COMMENTS:

Reviewed by: Jon Sundquist Date: October 20, 2010

PROJECT NAME:	GROUNDWATER TREATMENT SYSTEMS INTERSECTION STREET – HEMPSTEAD, NY
OWNER:	NATIONAL GRID PATRICK VAN ROSSEM 175 EAST OLD COUNTRY ROAD HICKSVILLE, NY
ENGINEER:	URS CORPORATION JON SUNDQUIST 77 GOODELL STREET BUFFALO, NY
CONTRACTOR:	FENLEY & NICOL ENVIRONMENTAL, INC. 445 BROOK AVENUE DEER PARK, NY 11729
DATE:	9/17/10
SECTION NUMBER & TITLE:	03010 – Cast-In Place Concrete
SECTION PART NUMBER & TITLE:	Part 1 – 1.3B Certified Test Reports - Cement
SUBMITTAL NUMBER:	NG2010-102

No Approval Required ☐
Approval Required ☐
Response Required ☐
Revised and Resubmitted as Noted ☐
For Information Only ☐

JENCO ASSOCIATES, INC.
A READY MIX CONCRETE SUPPLIER
45 S. FOURTH STREET, SUITE 1,
BAYSHORE, NY 11706
DISPATCH 631-243-5757 / **OFFICE** 631-243-2946 / **FAX** 631-243-2972

9/16/10

Bi County Concrete
P.O. Box 701
East Setauket, NY 11733
Attn: Greg Cote / 631-689-3995 /cc: Matt – 631-586-4920

Project: **National Grid / High Early Concrete**

Dear Greg:

Attached please find back-up documentation listing the NYS DOT approved Source Numbers, for each of the following ingredients that will be used to produce concrete for your project:

1) Portland Cement – Lehigh – NYS DOT Brand Code 67
2) Fine Aggregate – (Sand) – Roanoke Sand & Gravel Corp. – NYS DOT Source # 10-16F
3) Coarse Aggregate (Gravel) – Rawson Materials- NYS DOT Source # 10-192G

If you have any questions regarding the above, please do not hesitate to contact the undersigned.

Sincerely,

Anthony Nicoletti

Anthony Nicoletti

JENCO ASSOCIATES, INC.
A READY MIX CONCRETE SUPPLIER
45 S. FOURTH STREET, SUITE 1,
BAYSHORE, NY 11706
DISPATCH 631-243-5757 / **OFFICE** 631-243-2946 / **FAX** 631-243-2972

July 7, 2010

NYS Dept. of Transportation-Region 10
New York State Office Building
250 Veterans Memorial Highway
Hauppauge, NY 11788-5518
Attn: Mr. Augello

RE: NYS Facility Numbers - Plant 1 (Front) 20403 / Plant 2 (Back) 20421

We hereby certify that the following aggregates will be used in the production of all NYS approved concrete mixes supplied to NYS projects from our facility located at 45 S. Fourth Street, Bay Shore, New York 11706.

Material (SSD)	Source#	Test#	Producer	Mining Location	Bulk
F.A.	10-16F	08AF135	Roanoke	Middle Island, NY	2.63
#1& # 2 / #1C.A.	8-10R	09AR28	Tilcon	Haverstraw, NY	2.89
#1& # 2 / #1C.A.	8-9R	10AR3	Tilcon	Clinton Point, NY	2.82
#1& # 2 / #1C.A.	10-192G	08AG5C	Rawson Materials	Plainfield, CT	2.70
	Brand Code				
Cement Type II	67		Lehigh	Kjoepsvik, Norway	3.14
Cement Type II	51		Holcim	College Point, NY	3.14
Cement Type III	21		Essroc	Nazareth, PA	3.15
Flyash Class C	16		Mineral Resource/Cemex	Labadie, MO	2.69
Flyash Class F	12		Separation Technologies	Brandon Shores, MD	2.20
Admixtures					
MB-AE 90	1037		BASF	Cleveland, OH	1.1
MB-VR-Standard	1017		BASF	Cleveland, OH	1.1
Pozzolith 100XR	2018		BASF	Cleveland, OH	1.1
Eucon Retarder-75	2007		EUCLID	East Brunswick, NJ	1.2
Rheobuild 1000	4014		BASF	Cleveland, OH	1.1
Pozzutec 20+	7010		BASF	Cleveland, OH	1.1
Accelguard 80	7001		EUCLID	East Brunswick, NJ	1.4
Glenium 7500	4064(hi-range)		BASF	Cleveland, OH	1.1
Glenium 7500	3066(normal range)		BASF	Cleveland, OH	1.1

If you have any questions regarding this matter, please do not hesitate to contact the undersigned.

Sincerely,

Michael Lochren
Vice President

Technical Services - Materials - Approved List
Sources of Fine & Coarse Aggregates
Region 10 - Gravel

Source Number	Company Name Source Location	County	Test Number	Specific Gravities					
				Bulk (SSD)	Bulk	Apparent	ABS	ASR Potential	%NC
10- 7G	Bistrian Gravel Corporation East Hampton, NY	Suffolk	09AG 10	2.63	2.618	2.656	0.5		95
			Screened gravel only						
10- 7G1	Bistrian Gravel Corporation East Hampton, NY	Suffolk	09AG 11C	2.64	2.621	2.669	0.7		100
10- 16G	Roanoke Sand & Gravel Corp. Middle Island, NY	Suffolk	08AG 44	2.64	2.629	2.664	0.5		100
			Screened gravel only. Below water table material						
10- 16G1	Roanoke Sand & Gravel Corp. Middle Island, NY	Suffolk	09AG 55C	2.65	2.626	2.678	0.7		100
			Below water table material						
10- 18G	Coram Materials Corporation Coram, NY	Suffolk	04AG 4	2.63	2.617	2.650	0.5		100
			Screened gravel only						
10- 18G1	Coram Materials Corporation Coram, NY	Suffolk	08AG 20C	2.65	2.624	2.703	1.1		100
10- 34G	110 Sand Company Melville, NY	Suffolk	08AG 27	2.63	2.613	2.669	0.8		90
			Screened gravel only						
10- 34G1	Rason Asphalt Melville, NY	Suffolk	07AG 42C	2.58	2.514	2.690	2.6		95
10- 104G	East Coast Mines Limited East Quogue, NY	Suffolk	09AG 45	2.60	2.579	2.634	0.8		95
			Screened gravel only						
* 10- 192G	Rawson Materials Plainfield, CT	Windham	08AG 5C	2.70	2.671	2.764	1.3		99

Last Update: July 15, 2010

Technical Services - Materials - Approved List
Sources of Fine & Coarse Aggregates
Region 10 - Sand

Source Number	Company Name Source Location	County	Test Number	Specific Gravities				ASR Potential
				Bulk (SSD)	Bulk	Apparent	ABS	
8- 32RFM	Mt. Hope Rock Products Inc. Mt. Hope, NJ	Morris	08AF 133	2.66	2.646	2.686	0.6	
			Reassigned from Region 8 to Region 10. Fine aggregate produced from 8-32R.					
10- 7F	Bistrian Gravel Corporation E Hampton, NY	Suffolk	09AF 36	2.63	2.621	2.649	0.4	
10- 12RFM	Martin Marietta Materials Mulgrave, Nova Scotia, Canada	Guysborough	09AF 108	2.64	2.619	2.671	0.7	
			Fine aggregate produced from 10-12R.					
10- 16F	Roanoke Sand & Gravel Corp Middle Island, NY	Suffolk	08AF 135	2.63	2.625	2.646	0.3	
			Material from below water table					
10- 18F	Coram Materials Corporation Coram, NY	Suffolk	10AF 45	2.64	2.628	2.655	0.4	
10- 29RFM	NY Sand & Stone, LLC Pt. Bayside, New Brunswick, Canada	Charlotte	07AF 4	2.68	2.661	2.718	0.8	
			Material shipped to Brooklyn Navy Yard, Pier J. Fine aggregate produced from 10-29R.					
10- 34F	110 Sand Company Melville, NY	Suffolk	08AF 105	2.67	2.663	2.684	0.3	
10- 35RFM	Hanson Aggregates Downingtown, PA	Chester	08AF 156	2.74	2.718	2.774	0.7	
			Not for PCC wearing surfaces. Fine aggregate produced from 10-35R.					

Technical Services - Materials - Approved List

Cement

PORTLAND CEMENT (701-01)

Following is a list of cement suppliers approved to supply the indicated brand of Portland cement to Department work in accordance with the provisions of 701-01, Portland Cement and Materials Method 10 dated, June 1971.

BRAND	TYPE(s)	SUPPLY PROGRAM	APPROVED SUPPLIER AND LOCATION	MANUFACTURER AND LOCATION	BRAND CODE
Aalborg	VI	Cert. (A)	Lehigh Portland Cement Co. Brooklyn, NY	Aalborg Portland Aalborg, Denmark	70
Armstrong	I, III	Cert. (A)	Armstrong Cement & Supply Corporation Cabot, PA	Armstrong Cement & Supply Corporation Cabot, PA	55
Buzzi Unicem, USA	I_1, II_1, III_1, V_1	Cert. (A)	Buzzi Unicem, USA Stockertown, PA	Buzzi Unicem, USA Stockertown, PA	09
CEMEX	I	Cert. (A)	CEMEX, Inc. Wampum, PA	CEMEX, Inc. Wampum, PA	28
	I, II	Cert. (A)	NYCEMCO Brooklyn, NY	CEMEX Mexico Planta Hidalgo Hidalgo, NL, Mexico	80
Ciment Québec	I_1, II_1, III_1	Cert. (A)	Ciment Québec, Inc. St. Basile, QC, Canada	Ciment Québec, Inc. St. Basile, QC, Canada	71
	I_1, II_1	Cert. (A)	Essroc Materials, Inc. Palmer, MA		
	I_1, II_1	Cert. (A)	Lehigh Portland Cement Co. Brooklyn, NY		
			Holcim (US) Inc.		

	II_1	Cert. (A)	College Point, NY		
	II_1	Cert. (A)	Holcim (US) Inc. Providence, RI		
ESSROC	I_1, II_1, III_1	Cert. (A)	Essroc Materials, Inc. Nazareth, PA	Essroc Materials, Inc. Nazareth, PA	21
	I, II	Cert. (A)	Essroc Italcementi Group Cleveland, OH	Essroc Italcementi Group Picton, ON, Canada	32
	I, II	Cert. (A)	Essroc Italcementi Group Oswego, NY		
	I, II, III_1, V	Cert. (A)	Essroc Italcementi Group Picton, ON, Canada		
	I, II, III_1, V	Cert. (A)	Essroc Italcementi Group Rochester, NY		
Giant	I, II	DOT Insp. (B)	Giant Cement Company Harleyville, SC	Giant Cement Company Harleyville, SC	83
	I_1, II_1, III_1	Cert. (A)	Holcim (Canada) Inc. Mississauga, ON, Canada	Holcim (Canada) Inc. Mississauga, ON, Canada	42
	I_1, II_1, III_1	Cert. (A)	Holcim (US) Inc. Buffalo, NY		
	I, II_1	Cert. (A)	Holcim (US) Inc. Buffalo, NY	Holcim (US) Inc. Catskill, NY	51
	I, II_1, III_1	Cert. (A)	Holcim (US) Inc. Catskill, NY		
	I, II_1	Cert. (A)	Holcim (US) Inc. College Point, NY		
	I_1, II_1, $II(MH)_1$	Cert. (A)	Holcim (Canada) Inc. Joliette, QC, Canada	Holcim (Canada) Inc. Joliette, QC, Canada	62
			Holcim (US) Inc. College Point, NY		
			Holcim (US) Inc.		

			Providence, RI		
Holcim	I_1, II_1	Cert. (A)	Holcim (US) Inc. Catskill, NY	Holcim (US) Inc. Hagerstown, MD	76
			Holcim (US) Inc. College Point, NY		
			Holcim (US) Inc. Hagerstown, MD		
	I, II, II(MH)	Cert. (A)	Essex Cement Company, LLC Port Newark, NJ	Holcim (US) Inc. Holly Hill, SC	82
			Holcim (US) Inc. College Point, NY		
			Holcim (US) Inc. Georgetown, SC		
			Holcim (US) Inc. Holly Hill, SC		
			Quadro-Cem at NYCEMCO Brooklyn, NY		
	I, II, II(MH)	DOT Insp. (B)	Holcim (US) Inc. Buffalo, NY	Holcim (US) Inc. Bloomsdale, MO	84
			Holcim (US) Inc. Ste. Genevieve plant Bloomsdale, MO		
Keystone	I_1, II_1, III_1	Cert. (A)	Keystone Cement Company Bath, PA	Keystone Cement Company Bath, PA	12
	I, II, II(MH)	Cert. (A)	Lafarge North America Northeast Region Bayonne, NJ		
	I, II, II(MH)	Cert. (A)	Lafarge North America Northeast Region Boston, MA		

Lafarge	I, II, II(MH)	Cert. (A)	Lafarge North America Northeast Region Brooklyn, NY	Lafarge North America Northeast Region Ravena, NY	05
	I, II, II(MH)	Cert. (A)	Lafarge North America Northeast Region New Haven, CT		
	I, II, II(MH), III	Cert. (A)	Lafarge North America Northeast Region Chesapeake (Norfolk), VA		
	I, II, II(MH), III	Cert. (A)	Lafarge North America Northeast Region Ravena, NY		
	I, II, III	Cert. (A)	Lafarge North America Lakes and Seaway Region Alpena, MI	Lafarge North America Lakes and Seaway Region Alpena, MI	11
	I, II, III	Cert. (A)	Lafarge North America Lakes and Seaway Region Ohio St. Buffalo, NY		
	I, II	Cert. (A)	Lafarge North America Lakes and Seaway Region Oswego, NY		
	I_1, II_1, III_1	Cert. (A)	Lafarge North America Northeast Region Whitehall, PA	Lafarge North America Northeast Region Whitehall, PA	26
	I, II,II(MH)	Cert. (A)	Lafarge North America Lakes and Seaway Region Ohio St. Buffalo, NY	Lafarge North America Lakes and Seaway Region Bath, ON, Canada	35
	I, II, II(MH), III	Cert. (A)	Lafarge North America Lakes and Seaway Region Bath, ON, Canada		

			Lafarge North America Lakes and Seaway Region Oswego, NY		
	I_1, II_1, III_1	Cert. (A)	Lafarge North America Lakes and Seaway Region St. Constant, QC, Canada	Lafarge North America Lakes and Seaway Region St. Constant, QC, Canada	63
	I_1, II_1, III_1	Cert. (A)	Lafarge North America Lakes and Seaway Region Montreal East Terminal Montreal, QC, Canada		
Lehigh	I_1, II_1, III_1,V_1	Cert. $(A)_2$	Lehigh Portland Cement Co. Brooklyn, NY	Lehigh Portland Cement Co. Evansville Operations Evansville, PA	01
	I_1, II_1, III_1,V_1	Cert. $(A)_2$	Lehigh Portland Cement Co. Evansville Operations Evansville, PA		
	I, II	Cert. $(A)_2$	Hanson Aggregates BRD, Inc. Pavilion, NY	Lehigh Portland Cement Co. Union Bridge, MD	68
	I, II	Cert. $(A)_2$	Lehigh Portland Cement Co. Brooklyn, NY		
	I, II	Cert. $(A)_2$	Lehigh Northeast Cement Co. Cementon Facility Catskill, NY		
	I, II	Cert. $(A)_2$	Lehigh Northeast Cement Co. Glens Falls, NY		
	I, II, III	Cert. $(A)_2$	Lehigh Portland Cement Co. Norfolk, VA		
	I, II	Cert. $(A)_2$	Lehigh Northeast Cement Co. Solvay, NY		
	I, II, III	Cert. $(A)_2$	Lehigh Portland Cement Co. Union Bridge, MD		
	I_1, II_1, $II(MH)_1$,		Lehigh Northeast Cement Co.	Lehigh Northeast Cement Co.	

Lehigh Northeast Cement Company	III_1	Cert. (A)	Glens Falls, NY	Glens Falls, NY	08
	II_1	Cert. (A)	Lehigh Northeast Cement Co. Cementon Facility Catskill, NY	Norcem Cement Company Kjoepsvik, Norway	67
			Lehigh Northeast Cement Co. Solvay, NY		
	I_1, II_1, $II(MH)_1$, III_1	Cert. (A)	Lehigh Northeast Cement Co. Cementon Facility Catskill, NY	Lehigh Northeast Cement Co. Cementon Facility Catskill, NY	74
	I_1, II_1, $II(MH)_1$, III_1	Cert. (A)	Lehigh Northeast Cement Co. Solvay, NY		
	II_1, $II(MH)_1$, III_1	Cert. (A)	Lehigh Portland Cement Co. Brooklyn, NY		
* Norcem	II_1	Cert. (A)	Lehigh Portland Cement Co. Brooklyn, NY	Norcem Cement Company Kjoepsvik, Norway	67
St. Marys	I, II, II(MH), III	Cert. (A)	St. Marys Cement Company Buffalo, NY	St. Marys Cement Company St. Marys, ON, Canada	61
	I, II, II(MH), III	Cert. (A)	St. Marys Cement Company St. Marys, ON, Canada		
Titan	I, II, II(MH)	Cert. (A)	Essex Cement Company, LLC Port Newark, NJ	Titan Cement Company Kamari, Greece	60

NOTES:

1. Signifies that the indicated brand and type of cement historically has an alkali content in excess of 0.70% and therefore has use limitations imposed by the Department.
Information on the alkali level of a specific shipment of cement may be obtained from the Cement Shipment Certification, form BR 280. Questions concerning alkali level and use limitations should be directed to the Regional Materials Engineer.

2. Signifies that the indicated location is authorized by the Department to utilize an automated Bill of Lading as a substitution for the BR-280 Cement Shipment Certification form

Supply Program

Cert. (A) - Certification. The Supplier is approved to supply the indicated brand and type of portland cement to Department projects under a program of certification with individual shipments certified by the Supplier utilizing form BR 280, Cement Shipment Certification.

DOT Insp. (B) - Department Inspection. The Supplier is approved to supply the indicated brand and type of portland cement to Department projects under a program of preinspection, testing, and preacceptance by the Department. Individual shipments must have intact Department seals and form BR 44, Cement Shipment Authorization, executed by a Department representative.

Approved Supplier and Location - The Supplier is approved by the Department to supply cement of indicated brand, type, and manufacturing source to Department projects under the indicated program of supply.

Manufacturer and Location - The actual Manufacturing company, mill, where the cement is produced. Note that it is the Supplier that is approved to supply the brand of cement manufactured by the indicated company.

Revised on: May 26, 2010

APPENDIX G

ANALYTICAL LABORATORY DATA

EXCAVATED SOIL
IMPORTED TOPSOIL

PROJECT NAME:	GROUNDWATER TREATMENT SYSTEMS INTERSECTION STREET – HEMPSTEAD, NY
OWNER:	NATIONAL GRID PATRICK VAN ROSSEM 175 EAST OLD COUNTRY ROAD HICKSVILLE, NY
ENGINEER:	URS CORPORATION JON SUNDQUIST 77 GOODELL STREET BUFFALO, NY
CONTRACTOR:	FENLEY & NICOL ENVIRONMENTAL, INC. 445 BROOK AVENUE DEER PARK, NY 11729
DATE:	7/13/10
SECTION NUMBER & TITLE:	02221 - Trenching and Backfilling
SECTION PART NUMBER & TITLE:	Part 1 - 1.4.8 Excavated Soil Test Results
SUBMITTAL NUMBER:	NG2010-72

No Approval Required ☐
Approval Required ☐
Response Required ☐
Revised and Resubmitted as Noted ☐
For Information Only ☐

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Fenley & Nicol Environmental
445 Brook Ave.
Deer Park NY, 11729
Attention: Matthew Schieferstein

Report Date: 07/07/2010
Client Project ID: Clean Earth Disposal (MGP) 1002965
York Project (SDG) No.: 10F0570

Report Date: 07/07/2010
Client Project ID: Clean Earth Disposal (MGP) 1002965
York Project (SDG) No.: 10F0570

Fenley & Nicol Environmental
445 Brook Ave.
Deer Park NY, 11729
Attention: Matthew Schieferstein

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 16, 2010 and listed below. The project was identified as your project: **Clean Earth Disposal (MGP) 1002965**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
10F0570-01	Waste Class	Soil	06/15/2010	06/16/2010

General Notes for York Project (SDG) No.: 10F0570

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 07/07/2010

Robert Q. Bradley
Managing Director

YORK

Sample Information

Client Sample ID: **Waste Class** **York Sample ID:** **10F0570-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0570	Clean Earth Disposal (MGP) 1002965	Soil	June 15, 2010 3:00 pm	06/16/2010

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5035B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.2	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.3	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.3	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.3	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.5	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.9	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	0.95	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.82	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.1	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
95-63-6	**1,2,4-Trimethylbenzene**	**15**		ug/kg dry	1.2	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.5	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.3	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.4	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.49	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
108-67-8	**1,3,5-Trimethylbenzene**	**4.9**	J	ug/kg dry	0.82	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.0	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.5	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
106-46-7	**1,4-Dichlorobenzene**	**2.7**	J	ug/kg dry	1.5	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.1	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.1	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.1	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
71-43-2	Benzene	ND		ug/kg dry	1.1	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.3	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.4	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
75-25-2	Bromoform	ND		ug/kg dry	1.3	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.77	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.7	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
67-66-3	Chloroform	ND		ug/kg dry	0.79	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS

Sample Information

Client Sample ID: **Waste Class** **York Sample ID:** **10F0570-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0570	Clean Earth Disposal (MGP) 1002965	Soil	June 15, 2010 3:00 pm	06/16/2010

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	2.0	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.77	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.5	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.9	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.8	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
100-41-4	**Ethyl Benzene**	**3.6**	J	ug/kg dry	0.77	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	0.95	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.86	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.84	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
75-09-2	**Methylene chloride**	**37**	B	ug/kg dry	2.3	20	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.1	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.71	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
103-65-1	**n-Propylbenzene**	**2.1**	J	ug/kg dry	1.3	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
95-47-6	**o-Xylene**	**9.8**	J	ug/kg dry	1.1	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
1330-20-7P/M	**p- & m- Xylenes**	**21**		ug/kg dry	1.2	20	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.55	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.1	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
100-42-5	Styrene	ND		ug/kg dry	0.95	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.0	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.1	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
108-88-3	**Toluene**	**1.8**	J	ug/kg dry	0.51	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.4	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.5	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.3	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.0	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	10	2	EPA SW846-8260B	06/29/2010 22:03	06/29/2010 22:03	SS

Volatile Organics, TCLP RCRA List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/25/2010 10:09	06/29/2010 03:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/25/2010 10:09	06/29/2010 03:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/25/2010 10:09	06/29/2010 03:25	SS
78-93-3	2-Butanone	ND		ug/L	2.6	5.0	1	EPA SW846-8260B	06/25/2010 10:09	06/29/2010 03:25	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	06/25/2010 10:09	06/29/2010 03:25	SS

Sample Information

Client Sample ID: **Waste Class** **York Sample ID:** **10F0570-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0570	Clean Earth Disposal (MGP) 1002965	Soil	June 15, 2010 3:00 pm	06/16/2010

Volatile Organics, TCLP RCRA List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	06/25/2010 10:09	06/29/2010 03:25	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/25/2010 10:09	06/29/2010 03:25	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	06/25/2010 10:09	06/29/2010 03:25	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	06/25/2010 10:09	06/29/2010 03:25	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/25/2010 10:09	06/29/2010 03:25	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	06/25/2010 10:09	06/29/2010 03:25	SS

Semi-Volatiles, PAH Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	98.7	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	47.7	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
120-12-7	Anthracene	ND		ug/kg dry	42.2	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	65.9	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	44.4	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	64.8	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	51.2	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	65.9	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
218-01-9	Chrysene	ND		ug/kg dry	68.7	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.1	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
206-44-0	Fluoranthene	ND		ug/kg dry	98.7	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
86-73-7	Fluorene	ND		ug/kg dry	47.7	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	62.8	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
91-20-3	Naphthalene	ND		ug/kg dry	50.9	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
85-01-8	Phenanthrene	ND		ug/kg dry	62.9	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD
129-00-0	Pyrene	ND		ug/kg dry	61.1	170	1	EPA SW-846 8270C	06/23/2010 10:18	06/24/2010 04:03	TD

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	5.38	8.33	1	EPA SW846- 8270C	06/24/2010 16:33	06/27/2010 09:55	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	6.01	8.33	1	EPA SW846- 8270C	06/24/2010 16:33	06/27/2010 09:55	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	5.45	8.33	1	EPA SW846- 8270C	06/24/2010 16:33	06/27/2010 09:55	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.94	8.33	1	EPA SW846- 8270C	06/24/2010 16:33	06/27/2010 09:55	TD
95-48-7	2-Methylphenol	ND		ug/L	1.43	8.33	1	EPA SW846- 8270C	06/24/2010 16:33	06/27/2010 09:55	TD
100-01-6	4-Methylphenol	ND		ug/L	6.19	8.33	1	EPA SW846- 8270C	06/24/2010 16:33	06/27/2010 09:55	TD

Sample Information

Client Sample ID: Waste Class **York Sample ID:** 10F0570-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0570	Clean Earth Disposal (MGP) 1002965	Soil	June 15, 2010 3:00 pm	06/16/2010

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1319-77-3	Cresol (total)	ND		ug/L	19.3	25.0	1	EPA SW846- 8270C	06/24/2010 16:33	06/27/2010 09:55	TD
118-74-1	Hexachlorobenzene	ND		ug/L	4.93	8.33	1	EPA SW846- 8270C	06/24/2010 16:33	06/27/2010 09:55	TD
87-68-3	Hexachlorobutadiene	ND		ug/L	5.52	8.33	1	EPA SW846- 8270C	06/24/2010 16:33	06/27/2010 09:55	TD
67-72-1	Hexachloroethane	ND		ug/L	6.05	8.33	1	EPA SW846- 8270C	06/24/2010 16:33	06/27/2010 09:55	TD
98-95-3	Nitrobenzene	ND		ug/L	3.28	8.33	1	EPA SW846- 8270C	06/24/2010 16:33	06/27/2010 09:55	TD
87-86-5	Pentachlorophenol	ND		ug/L	6.27	8.33	1	EPA SW846- 8270C	06/24/2010 16:33	06/27/2010 09:55	TD
110-86-1	Pyridine	ND		ug/L	5.31	8.33	1	EPA SW846- 8270C	06/24/2010 16:33	06/27/2010 09:55	TD

Pesticides, TCLP RCRA List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		ug/L	0.00640	0.00640	1	EPA SW 846-8081	06/24/2010 18:15	06/28/2010 10:30	JW
72-20-8	Endrin	ND		ug/L	0.00150	0.00160	1	EPA SW 846-8081	06/24/2010 18:15	06/28/2010 10:30	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00154	0.00160	1	EPA SW 846-8081	06/24/2010 18:15	06/28/2010 10:30	JW
76-44-8	Heptachlor	ND		ug/L	0.00152	0.00160	1	EPA SW 846-8081	06/24/2010 18:15	06/28/2010 10:30	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00120	0.00160	1	EPA SW 846-8081	06/24/2010 18:15	06/28/2010 10:30	JW
72-43-5	Methoxychlor	ND		ug/L	0.00314	0.00800	1	EPA SW 846-8081	06/24/2010 18:15	06/28/2010 10:30	JW
8001-35-2	Toxaphene	ND		ug/L	0.160	0.160	1	EPA SW 846-8081	06/24/2010 18:15	06/28/2010 10:30	JW

Pesticides/PCBs, EPA TCL List

Log-in Notes: **Sample Notes:** S-GC

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.50	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.93	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.51	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
309-00-2	Aldrin	ND		ug/kg dry	2.16	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.54	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	80.7	174	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	80.7	174	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	80.7	174	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	80.7	174	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	80.7	174	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	69.5	174	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	69.5	174	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.13	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
57-74-9	Chlordane, total	ND		ug/kg dry	13.5	13.5	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW

Sample Information

Client Sample ID: Waste Class **York Sample ID:** 10F0570-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0570	Clean Earth Disposal (MGP) 1002965	Soil	June 15, 2010 3:00 pm	06/16/2010

Pesticides/PCBs, EPA TCL List

Log-in Notes: **Sample Notes:** S-GC

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.84	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.99	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.64	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.06	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.73	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
72-20-8	Endrin	ND		ug/kg dry	2.04	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.27	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.48	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.34	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.69	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.48	3.37	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.70	16.9	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW
8001-35-2	Toxaphene	ND		ug/kg dry		337	10	EPA SW 846-8081/8082	06/23/2010 06:34	06/23/2010 17:45	JW

Herbicides, TCLP Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	0.0180	5.00	1	EPA SW846-8151B	06/22/2010 13:16	06/24/2010 09:20	JW
94-75-7	2,4-D	ND		ug/L	0.0197	5.00	1	EPA SW846-8151B	06/22/2010 13:16	06/24/2010 09:20	JW

Total Petroleum Hydrocarbons-DRO

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	ND		mg/kg dry	5.93	10.2	1	EPA SW846-8015B	06/23/2010 06:32	06/23/2010 14:23	JW

Copper by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	**Copper**	**10.3**		mg/kg dry	0.143	0.511	1	EPA SW846-6010B	06/17/2010 15:42	06/17/2010 21:40	MW

Metals, RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**11.0**		mg/kg dry	0.194	0.511	1	EPA SW846-6010B	06/17/2010 15:42	06/17/2010 21:40	MW
7440-39-3	**Barium**	**30.4**		mg/kg dry	0.245	0.511	1	EPA SW846-6010B	06/17/2010 15:42	06/17/2010 21:40	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.133	0.511	1	EPA SW846-6010B	06/17/2010 15:42	06/17/2010 21:40	MW
7440-47-3	**Chromium**	**7.11**		mg/kg dry	0.082	0.511	1	EPA SW846-6010B	06/17/2010 15:42	06/17/2010 21:40	MW
7439-92-1	**Lead**	**114**		mg/kg dry	0.102	0.307	1	EPA SW846-6010B	06/17/2010 15:42	06/17/2010 21:40	MW

Sample Information

Client Sample ID: **Waste Class** **York Sample ID:** **10F0570-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0570	Clean Earth Disposal (MGP) 1002965	Soil	June 15, 2010 3:00 pm	06/16/2010

Metals, RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7782-49-2	**Selenium**	**0.769**		mg/kg dry	0.216	0.511	1	EPA SW846-6010B	06/17/2010 15:42	06/17/2010 21:40	MW
7440-22-4	Silver	ND		mg/kg dry	0.092	0.511	1	EPA SW846-6010B	06/17/2010 15:42	06/17/2010 21:40	MW

Metals, TCLP RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	06/23/2010 11:09	06/23/2010 13:10	MW
7440-39-3	**Barium**	**0.412**		mg/L	0.004	0.010	1	EPA SW846-6010B	06/23/2010 11:09	06/23/2010 13:10	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	06/23/2010 11:09	06/23/2010 13:10	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	06/23/2010 11:09	06/23/2010 13:10	MW
7439-92-1	**Lead**	**0.616**		mg/L	0.001	0.003	1	EPA SW846-6010B	06/23/2010 11:09	06/23/2010 13:10	MW
7782-49-2	Selenium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	06/23/2010 11:09	06/23/2010 13:10	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	06/23/2010 11:09	06/23/2010 13:10	MW

Nickel by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**7.97**		mg/kg dry	0.0715	0.511	1	EPA SW846-6010B	06/17/2010 15:42	06/17/2010 21:40	MW

Sulfur by EPA 6010B

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Sulfur	**127**		mg/kg dry	10.2	20.4	1	EPA SW846-6010B	07/07/2010 08:29	07/07/2010 10:48	MW

Vanadium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-62-2	**Vanadium**	**12.6**		mg/kg dry	0.0818	0.511	1	EPA SW846-6010B	06/17/2010 15:42	06/17/2010 21:40	MW

Zinc by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	**Zinc**	**30.6**		mg/kg dry	0.0715	0.511	1	EPA SW846-6010B	06/17/2010 15:42	06/17/2010 21:40	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0991	0.102	1	EPA SW846-7471	06/22/2010 12:33	06/22/2010 12:33	AA

Sample Information

Client Sample ID: **Waste Class** **York Sample ID:** **10F0570-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0570	Clean Earth Disposal (MGP) 1002965	Soil	June 15, 2010 3:00 pm	06/16/2010

Mercury, TCLP

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	06/23/2010 15:07	06/23/2010 15:07	AA

Flashpoint

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Flashpoint	> 200		°F		68.0	1	ASTM D93 Modified	06/24/2010 13:28	06/24/2010 13:28	MZ

Ignitability

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Ignitability	0.00		P/F			1	EPA SW846-1030P	06/23/2010 10:00	06/23/2010 10:00	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**97.9**		%	0.100	0.100	1	SM 2540G	06/25/2010 13:46	06/25/2010 13:46	AD

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.358	0.511	1	SW846-7196A	06/29/2010 15:00	06/29/2010 15:00	AD

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	1.02	1.02	1	EPA SW-846 9013A/9010C	06/29/2010 12:59	06/29/2010 12:59	AD

pH

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	**6.59**	HT-pH	pH Units		0.500	1	EPA SW846-9045D	06/23/2010 12:00	06/23/2010 12:00	AS

Reactivity-Cyanide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Reactivity - Cyanide	ND		mg/kg	0.250	0.250	1	EPA SW-846 Ch.7.3.3	06/29/2010 13:21	07/07/2010 13:21	AD

Reactivity-Sulfide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Reactivity - Sulfide	ND		mg/kg		15.0	1	EPA SW846 Ch.7.3.4	06/29/2010 13:22	06/29/2010 13:22	AD

Sample Information

Client Sample ID: **Waste Class** **York Sample ID:** **10F0570-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0570	Clean Earth Disposal (MGP) 1002965	Soil	June 15, 2010 3:00 pm	06/16/2010

Total Organic Halogens (EOX)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Halogens (TOX)	ND	SUB-01	mg/kg		50	1	EPA SW846-9023	06/23/2010 00:00	06/23/2010 00:00	FLP

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

SUB-01	Analysis performed by First Light Power
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-BN	Base/Neutral surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two base/neutral surrogates.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
HT-pH	HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.
F-01	> 200
B	Analyte is found in the associated analysis batch blank.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 10F0570

Client Information	Report To:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverbles
Company: F&N	Company: SAME	Company: SAME	1002965	24 hr ____	Summary ____ QA/QC Summary ____ Results Only
Address: 445 Brook Ave Deer Park NY 11729	Address:	Address:	**Purchase Order No.**	48 hr ____	RCP Package ____ ASP B Pkg ____
Phone No. 631 586 4900	Phone No.	Phone No.		72 hr ____	ASP A Pkg ____ Excel format ____
Contact Person: Matt S	Attention:	Attention:		5 Day ____	EDD ____ OTHER ____
E-Mail Address: —	E-Mail Address:	E-Mail Address:		Standard X	

Print Clearly and Legibly. All information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Matthew Schieferstein
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Indiv. Metals	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe,	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, Ag, etc.	Helium	TAGM	Silica	MBAS	TPH - IR

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below							Container Description(s)
Waste Class	6/15/10	S	8260 Full	PAH	PCB's	8 RCRA		FULL	Sulfur	1-2oz
			TCLP VOA		8082	Hex Cr		TCLP	TOX	2-8oz
					Pest	Cu			Flash Point	
					8081	Ni			pH	
						Zn			Total Cyanide	
						Vanadium			Ignitability	
									Reactivity - Cyanide	
									Reactivity - Sulfide	
									TPH - DRO	

Preservation Check those Applicable

4°C X Frozen ___ HCl MeOH	4°C X	4°C X	HNO_3 ___ 4°C X	4°C ___ H_2SO_4 ___	4°C X Other	4°C X H_2SO_4 ___ NaOH ___ ZnAc Ascorbic Other	

Comments

Samples Relinquished By — 6/16/10 0630 Date/Time

Samples Relinquished By — Date/Time

Samples Received By — NB Horton 6/16/10 1555PM Date/Time

Samples Received in LAB by — 6/16/10 1800 Date/Time

Temperature on Receipt 4.3 °C

SHOP DRAWING/SUBMITTAL REVIEW COMMENTS

PROJECT: **National Grid**
Off-Site Groundwater Treatment System for the Hempstead Intersection Street Former MGP Site

CONTRACTOR: **Fenley & Nicol Environmental, Inc.**

URS PROJECT NO.: **11175065**

SUBMITTAL NO.: *02221_1.4.7 No. 2 rev. 1*

DESCRIPTION: Borrow Soil Test Results (NG2010-71a)

REVIEW STATUS: *Choose one of the following:*

- ☒ **APPROVED**
- ☐ **APPROVED AS NOTED**
- ☐ **REVISE AND RESUBMIT**
- ☐ **REJECTED**
- ☐ **FOR INFORMATION ONLY**

REVIEW COMMENTS:

Reviewed by: Jon Sundquist Date: August 9, 2010

PROJECT NAME:	GROUNDWATER TREATMENT SYSTEMS INTERSECTION STREET – HEMPSTEAD, NY
OWNER:	NATIONAL GRID PATRICK VAN ROSSEM 175 EAST OLD COUNTRY ROAD HICKSVILLE, NY
ENGINEER:	URS CORPORATION JON SUNDQUIST 77 GOODELL STREET BUFFALO, NY
CONTRACTOR:	FENLEY & NICOL ENVIRONMENTAL, INC. 445 BROOK AVENUE DEER PARK, NY 11729
DATE:	8/2/10
SECTION NUMBER & TITLE:	02221 - Trenching and Backfilling
SECTION PART NUMBER & TITLE:	Part 1 - 1.4.7 Borrow Soil Test Results - Top Soil
SUBMITTAL NUMBER:	NG2010-71a Revision 1

No Approval Required ☐
Approval Required ☐
Response Required ☐
Revised and Resubmitted as Noted ☐
For Information Only ☐

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Fenley & Nicol Environmental
445 Brook Ave.
Deer Park NY, 11729
Attention: Matthew Schieferstein

Report Date: 07/30/2010
Client Project ID: 1002965
York Project (SDG) No.: 10G0729

Report Date: 07/30/2010
Client Project ID: 1002965
York Project (SDG) No.: 10G0729

Fenley & Nicol Environmental
445 Brook Ave.
Deer Park NY, 11729
Attention: Matthew Schieferstein

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 23, 2010 and listed below. The project was identified as your project: **1002965**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
10G0729-01	Hubbard Top Soil	Soil	07/22/2010	07/23/2010

General Notes for York Project (SDG) No.: 10G0729

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 07/30/2010

Robert Q. Bradley
Managing Director

YORK

Sample Information

Client Sample ID: **Hubbard Top Soil** **York Sample ID:** **10G0729-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10G0729	1002965	Soil	July 22, 2010 3:00 pm	07/23/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.89	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.53	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.89	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
67-66-3	Chloroform	ND		ug/kg dry	0.87	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS

Sample Information

Client Sample ID: **Hubbard Top Soil** **York Sample ID:** **10G0729-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10G0729	1002965	Soil	July 22, 2010 3:00 pm	07/23/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	2.1	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.94	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.92	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-09-2	**Methylene chloride**	**23**	B	ug/kg dry	2.6	22	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.77	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.3	22	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.60	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
100-42-5	Styrene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
108-88-3	Toluene	ND		ug/kg dry	0.56	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	07/29/2010 12:14	07/29/2010 16:44	SS

Sample Information

Client Sample ID: **Hubbard Top Soil** **York Sample ID:** **10G0729-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10G0729	1002965	Soil	July 22, 2010 3:00 pm	07/23/2010

Semi-Volatiles, PAH Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	108	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	52.2	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
120-12-7	Anthracene	ND		ug/kg dry	46.2	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
56-55-3	**Benzo(a)anthracene**	**392**		ug/kg dry	72.1	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
50-32-8	**Benzo(a)pyrene**	**389**		ug/kg dry	48.6	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
205-99-2	**Benzo(b)fluoranthene**	**739**		ug/kg dry	70.9	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
191-24-2	**Benzo(g,h,i)perylene**	**94.6**	J	ug/kg dry	56.0	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
207-08-9	**Benzo(k)fluoranthene**	**372**		ug/kg dry	72.1	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
218-01-9	**Chrysene**	**536**		ug/kg dry	75.1	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.1	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
206-44-0	**Fluoranthene**	**1240**		ug/kg dry	108	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
86-73-7	Fluorene	ND		ug/kg dry	52.2	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**106**	J	ug/kg dry	68.7	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
91-20-3	Naphthalene	ND		ug/kg dry	55.7	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
85-01-8	**Phenanthrene**	**516**		ug/kg dry	68.7	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD
129-00-0	**Pyrene**	**1280**		ug/kg dry	66.8	186	1	EPA SW-846 8270C	07/29/2010 07:25	07/30/2010 02:57	TD

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.00883	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.00883	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.00883	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.00883	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.00883	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.00760	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.00760	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.00760	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.00760	0.0190	1	EPA SW 846-8082	07/29/2010 08:20	07/29/2010 16:26	SR

Sample Information

Client Sample ID: **Hubbard Top Soil** **York Sample ID:** **10G0729-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10G0729	1002965	Soil	July 22, 2010 3:00 pm	07/23/2010

Metals, Priority Pollutant

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/kg dry	0.156	0.335	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-38-2	**Arsenic**	**6.56**		mg/kg dry	0.212	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.011	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.145	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-47-3	**Chromium**	**12.8**		mg/kg dry	0.089	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-50-8	**Copper**	**26.6**		mg/kg dry	0.156	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7439-92-1	**Lead**	**56.1**		mg/kg dry	0.112	0.335	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-02-0	**Nickel**	**11.5**		mg/kg dry	0.078	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7782-49-2	**Selenium**	**1.11**		mg/kg dry	0.236	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-22-4	Silver	ND		mg/kg dry	0.101	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-28-0	Thallium	ND		mg/kg dry	0.212	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW
7440-66-6	**Zinc**	**72.8**		mg/kg dry	0.078	0.559	1	EPA SW846-6010B	07/28/2010 15:49	07/29/2010 10:49	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.108	0.112	1	EPA SW846-7471	07/29/2010 13:59	07/29/2010 13:59	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**89.5**		%	0.100	0.100	1	SM 2540G	07/30/2010 09:24	07/30/2010 09:24	AD

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 1060729

YOUR Information

Company: F+N
Address: 445 Brook Ave
Deer Park NY 11729
Phone No. 631-586-4900
Contact Person: Matt S
E-Mail Address: —

Report To:

Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

1002965

Purchase Order No.

Samples from: CT ___ NY X NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type/Deliverbles

- Summary Report ___
- Summary w/ QA Summary ___
- CT RCP Package ___
- NY ASP A Package ___
- NY ASP B Package ___
- *Electronic Deliverables:*
- EDD (Specify Type) ___
- Excel ___

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Matthew Schiefelstein
Name (printed)

Matrix Codes

S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot.Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
Hubbard Top Soil	7/22/10 0925	Soil	Total VOC's via 8260, PAH, 8082 PCB, Total Metals PP13	1-2oz & 1-8oz

Comments

Preservation Check those Applicable

4°C X Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other

Samples Relinquished By Date/Time

Samples Relinquished By Date/Time

Samples Received By H B Horton 7/23/10 1223 pm
Date/Time

Samples Received in LAB by Pace 7/23/10 1645
Date/Time

Temperatur on Receip
4.9 °C

APPENDIX H

PROPERTY CONDITION ASSESSMENT FOR 158 AND 160 HILTON AVENUE

Property Condition Assessment
158 & 160 Hilton Avenue

Off-site Groundwater Treatment Systems Installation
for the Hempstead Intersection Street
Former Manufactured Gas Plant Site
Villages of Hempstead & Garden City
Nassau County, New York

June 2010

Prepared for:

Mr. Patrick J. Van Rossem
National Grid
175 East Old Country Road
Hicksville, New York 11801

Prepared by:

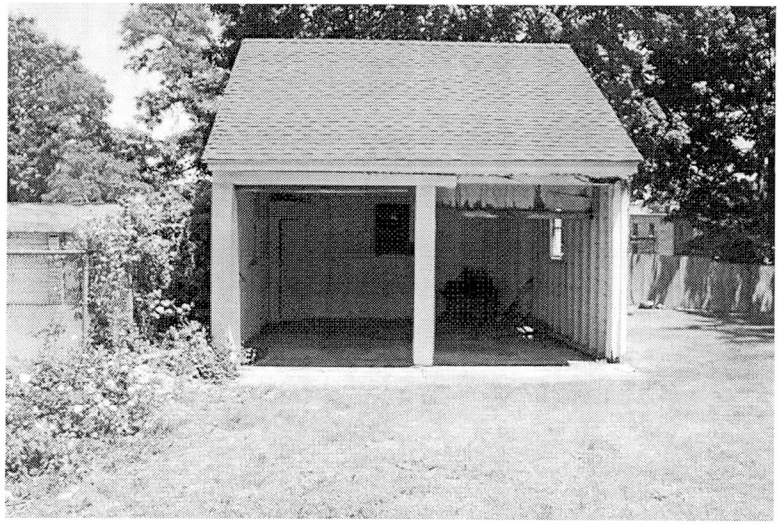
Fenley & Nicol Environmental, Inc.
445 Brook Avenue
Deer Park, New York, 11729

Property Condition Assessment
158 & 160 Hilton Avenue, Hempstead, New York
June 2010

On Wednesday, June 2, 2010, Jason Falquecee, a Junior Project Manager with Fenley & Nicol Environmental, Inc. conducted a Property Condition Assessment (PCA) on two ancillary garages located at 158 & 160 Hilton Avenue, Hempstead, New York.

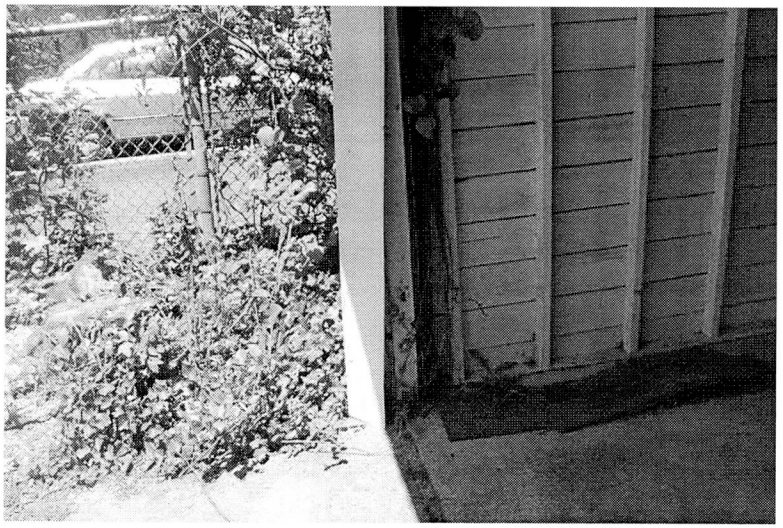
The garage at 158 Hilton Avenue is no longer in use and is in poor condition. The garage is constructed of a wood frame structure on a concrete slab. The western side of the garage has two overhead wood doors. The door frames are cracked and bent in multiple locations. The overhead doors are left in the up position and are in poor condition. The wood is rotten and broken in several places. The concrete entrance ramp is also cracked. There are windows with broken glass on the eastern, northern and southern sides of the building. In addition, the window on the eastern wall is boarded up. The garage contains a small amount of wood and landscaping tools in the southeastern corner. There is a closet in the northeastern corner of the garage with some wood logs. The exterior of the building is covered with vinyl siding and an asphalt shingle roof. Both of which appear to be in fair condition. There is a small exterior foundation on the southern side of the building that is partially backfilled. Select photographs taken during the PCA have been provided below.

The garage at 160 Hilton Avenue is currently utilized by the residents of the apartment complex. This PCA focused on the southern corner of the garage only. The garage is constructed of concrete block and bricks with a flat roof. The concrete block and bricks on the southern corner of the garage appear to be in good condition. The wood structure surrounding the top of the garage is in poor condition. The wood appears to be rotten and falling apart. The southern side of the garage is also tagged with graffiti. Select photographs taken during the PCA have been provided below.



Picture #1:
Date: 6-2-10
By: Jason F.

A perspective view of western side of the garage at 158 Hilton Avenue. View is toward the east.



Picture #2:
Date: 6-2-10
By: Jason F.

A close up view of the damaged door frame on the northern side of the garage at 158 Hilton Avenue. View is towards the north.

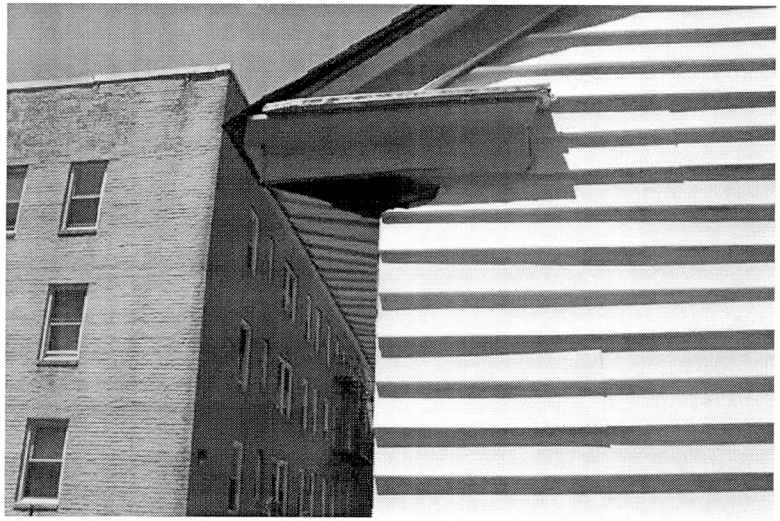
Picture #3:
Date: 6-2-10
By: Jason F.

A view of the damaged overhead door on the western side of the garage at 158 Hilton Avenue. View is toward the west.

Picture #4:
Date: 6-2-10
By: Jason F.

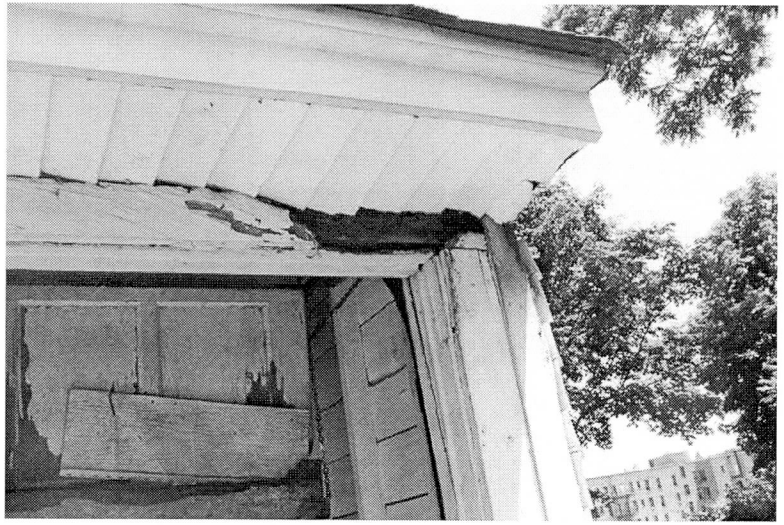
A view of overhead door on the western side of the garage at 158 Hilton Avenue. View is toward the southwest.

Fenley & Nicol Environmental, Inc.



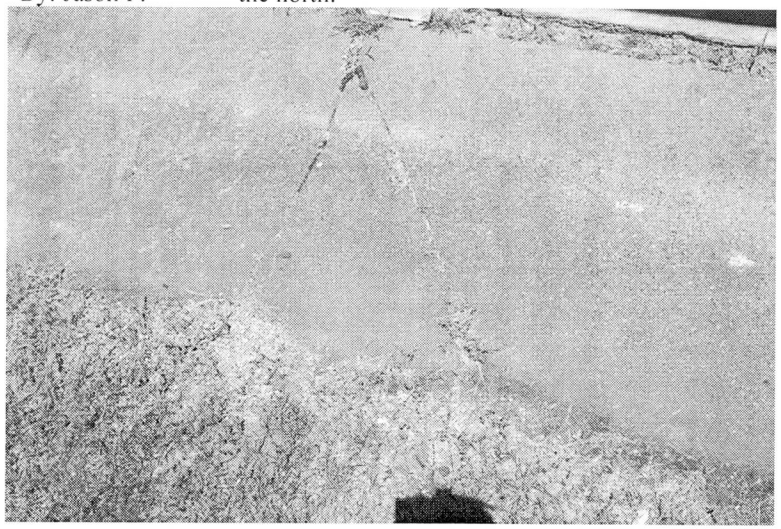
Picture #5:
Date: 6-2-10
By: Jason F.

A perspective view of damaged southwestern corner of the garage at 158 Hilton Avenue. View is toward the north.



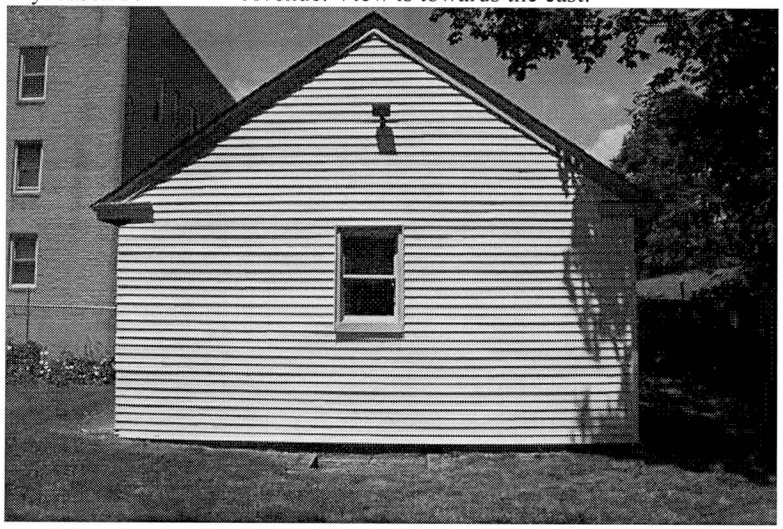
Picture #6:
Date: 6-2-10
By: Jason F.

A close up view of the damaged door frame on the southwestern corner of the garage at 158 Hilton Avenue. View is towards the east.



Picture #7:
Date: 6-2-10
By: Jason F.

A close up view of the damaged concrete apron of the garage at 158 Hilton Avenue. View is towards the east.



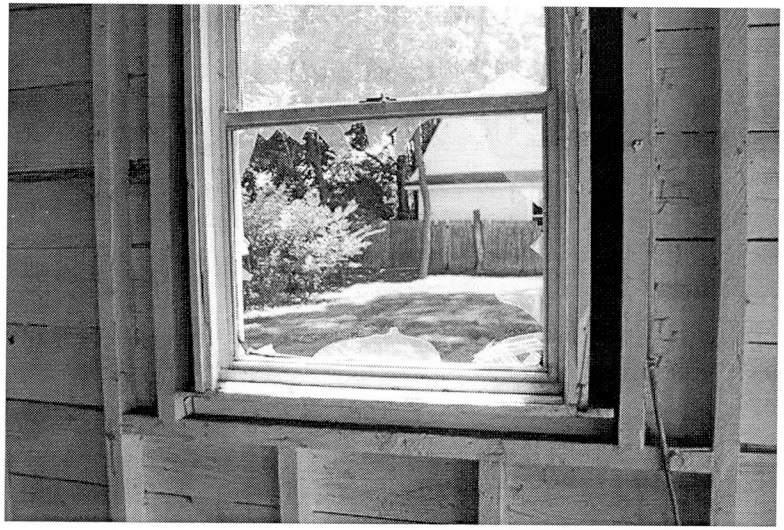
Picture #8:
Date: 6-2-10
By: Jason F.

A perspective view of the southern side of the garage at 158 Hilton Avenue. View is toward the north.

Fenley & Nicol Environmental, Inc.

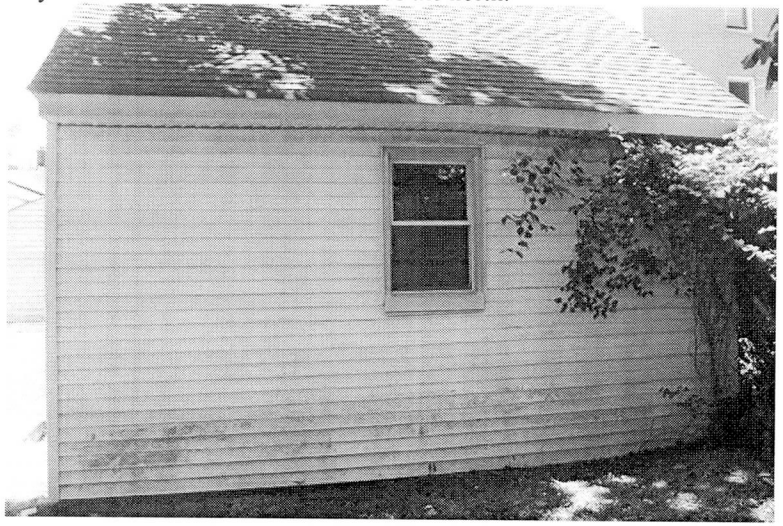
Picture #9:
Date: 6-2-10
By: Jason F.

A close up view of the damaged window on the southern side of the garage at 158 Hilton Avenue. View is towards the north.



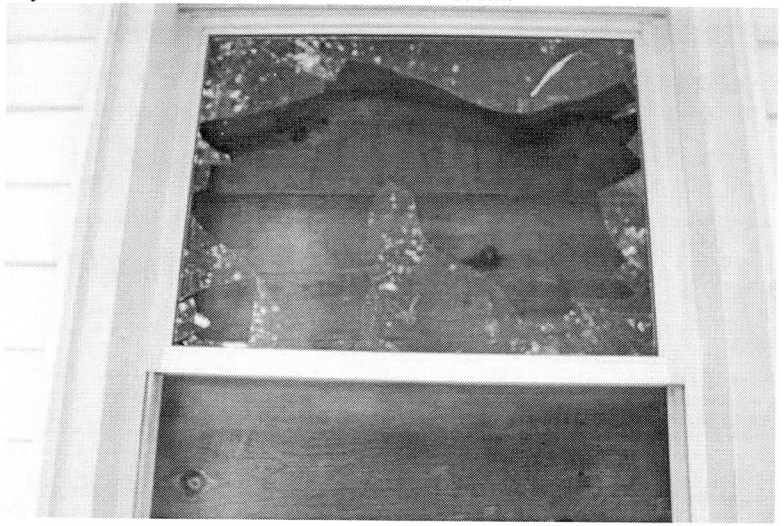
Picture #10:
Date: 6-2-10
By: Jason F.

A close up view of the damaged window on the southern side of the garage at 158 Hilton Avenue. View is towards the south.



Picture #11:
Date: 6-2-10
By: Jason F.

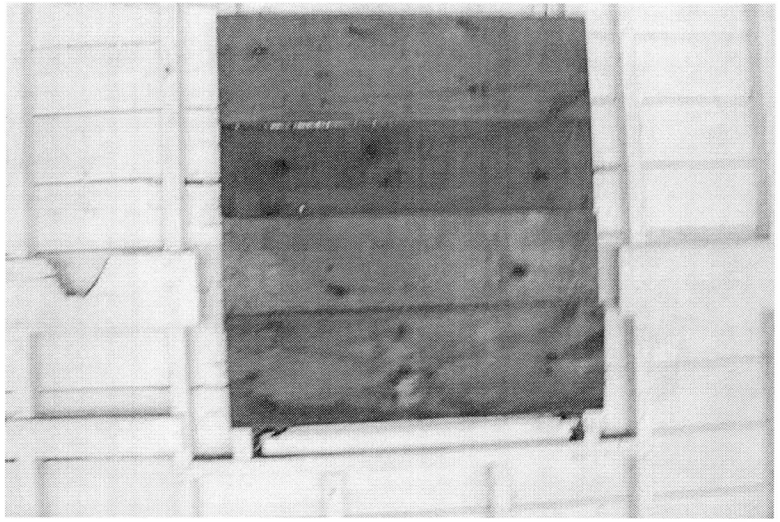
A perspective view of the eastern side of the garage at 158 Hilton Avenue. View is toward the west.



Picture #12:
Date: 6-2-10
By: Jason F.

A close up view of the damaged and boarded up window on the eastern side of the garage at 158 Hilton Avenue. View is towards the west.

Fenley & Nicol Environmental, inc.

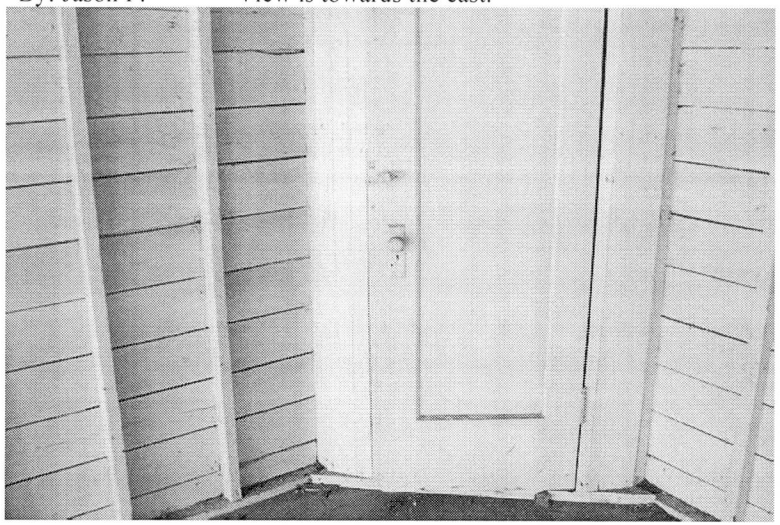


Picture #13:
Date: 6-2-10
By: Jason F.

A close up view of the boarded up window on the eastern side of the garage at 158 Hilton Avenue. View is towards the east.

Picture #14:
Date: 6-2-10
By: Jason F.

A view of the wood and landscaping tools stored inside the garage at 158 Hilton Avenue.



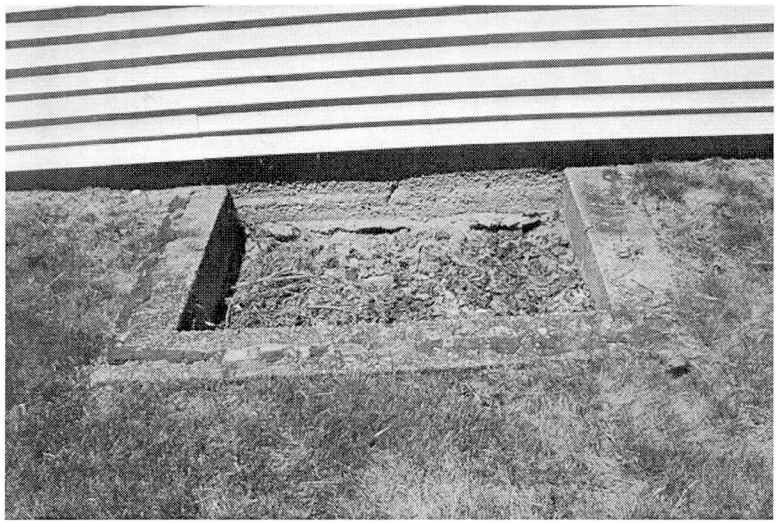
Picture #15:
Date: 6-2-10
By: Jason F.

A view of the closet in the northeastern corner of the garage at 158 Hilton Avenue.

Picture #16:
Date: 6-2-10
By: Jason F.

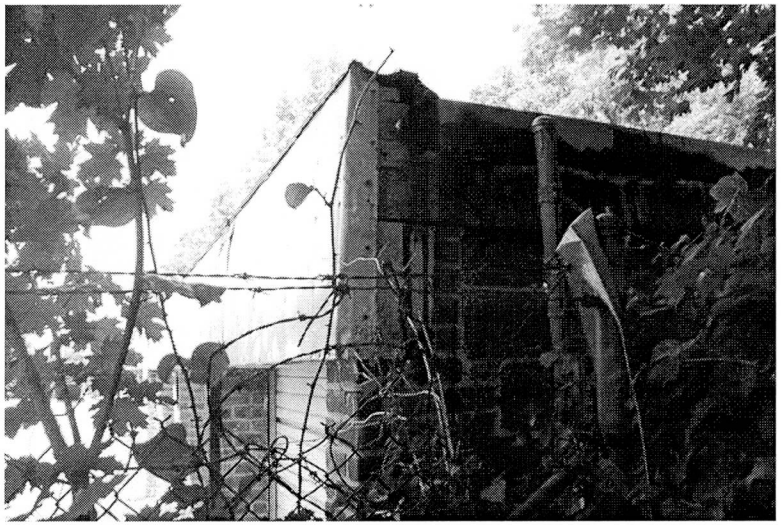
A view inside the closet in the northeastern corner of the garage at 158 Hilton Avenue.

Fenley & Nicol Environmental, Inc.



Picture #17:
Date: 6-2-10
By: Jason F.

A close up view of the partially backfilled foundation on the southern side of the garage at 158 Hilton Avenue.

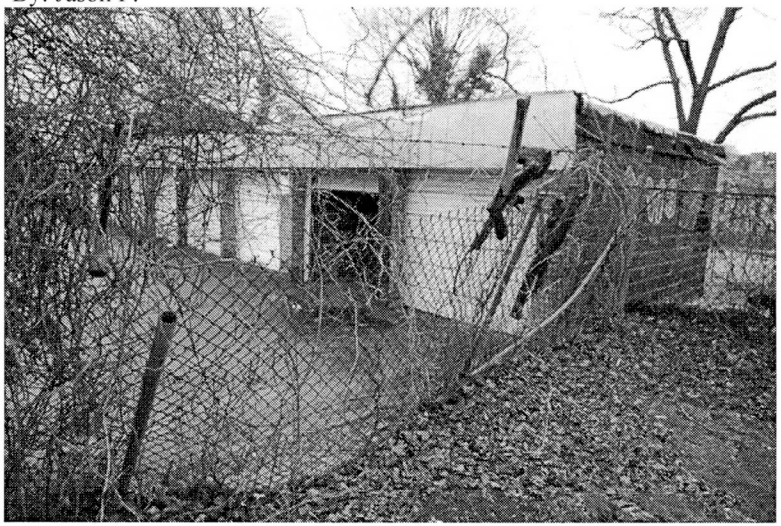


Picture #18:
Date: 6-2-10
By: Jason F.

A close up view of the southwestern corner of the garage at 160 Hilton Avenue.

Picture #19:
Date: 6-2-10
By: Jason F.

A close up view of the southwestern corner of the garage at 160 Hilton Avenue.



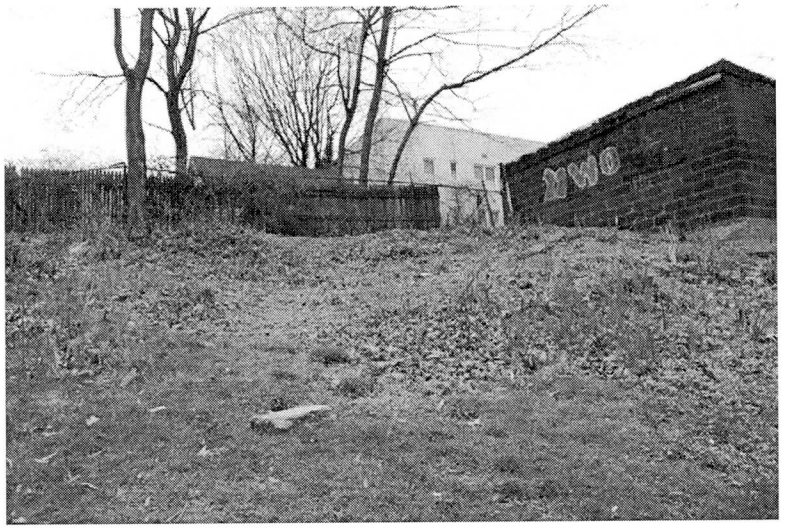
Picture #20:
Date: 3-31-10
By: Matt s.

A perspective view of garage at 160 Hilton Avenue. View is towards the northeast.

Fenley & Nicol Environmental, Inc.

Picture #21:
Date: 3-31-10
By: Matt S.

A view of southeastern portion of the garage at 160 Hilton Avenue. View is toward the northwest.



Picture #22:
Date: 3-31-10
By: Matt S.

A view of damaged roof plate on the southeastern portion of the garage at 160 Hilton Avenue. View is toward the northwest.

Picture #23:
Date: 3-31-10
By: Matt S.

A view of damaged roof plate on the southeastern portion of the garage at 160 Hilton Avenue. View is toward the northwest.

APPENDIX I

GROUNDWATER OXYGENATION SYSTEM MONTHLY MAINTENANCE SCHEDULE

YEARLY SERVICE SCHEDULE

FOR REPLACEMENT PART NUMBERS, PLEASE CALL MATRIX AT 1-800-871-0745 AND ASK FOR SERVICE

Month 1

Item	Service Requirement	1	2	3	4	5	6	7	8	9	10
System Solenoid Valves	Check for excessive noise or leakage.										
Compressor	Check belt tension, adjust if necessary.										
Compressor	Clean cooler.										
Air Dryer	Clean heat exchanger, check auto drain and connections.										
Enclosure	Check air filter condition, replace if necessary.										

Month 2

Item	Service Requirement	1	2	3	4	5	6	7	8	9	10
System Solenoid Valves	Check for excessive noise or leakage.										
Compressor	Check belt tension, adjust if necessary.										
Compressor	Clean cooler.										
Air Dryer	Clean heat exchanger, check auto drain and connections.										
Enclosure	Check air filter condition, replace if necessary.										

Month 3

Item	Service Requirement	1	2	3	4	5	6	7	8	9	10
System Solenoid Valves	Check for excessive noise or leakage.										
Compressor	Check belt tension, adjust if necessary.										
Compressor	Clean cooler.										
Compressor	Replace cooler filter mat.										
Air Dryer	Clean heat exchanger, check auto drain and connections.										
Enclosure	Check air filter condition, replace if necessary.										

Month 4

Item	Service Requirement	1	2	3	4	5	6	7	8	9	10
System Solenoid Valves	Check for excessive noise or leakage.										
Compressor	Check belt tension, adjust if necessary.										
Compressor	Clean cooler.										
Air Dryer	Clean heat exchanger, check auto drain and connections.										
Enclosure	Check air filter condition, replace if necessary.										

Month 5

Item	Service Requirement	1	2	3	4	5	6	7	8	9	10
System Solenoid Valves	Check for excessive noise or leakage.										
Compressor	Check belt tension, adjust if necessary.										
Compressor	Clean cooler.										
Air Dryer	Clean heat exchanger, check auto drain and connections.										
Enclosure	Check air filter condition, replace if necessary.										

Month 6

Item	Service Requirement	1	2	3	4	5	6	7	8	9	10
System Solenoid Valves	Check for excessive noise or leakage.										
Compressor	Check belt tension, adjust if necessary.										
Compressor	Clean cooler.										
Compressor	Replace cabinet filter.										
Compressor	Replace oil filter.										
Compressor	Replace air filter.										
Compressor	Replace cooler filter mat.										
Air Feed Line	Replace particulate filter.										
Air Feed Line	Replace oil removal filter.										
Air Dryer	Clean heat exchanger, check auto drain and connections.										
Enclosure	Check air filter condition, replace if necessary.										
Oxygen Sensor	Replace sensor unit.										
Oxygen Generator	Turn off feed air, remove bowl and replace pre-filter element (if applicable).										

YEARLY SERVICE SCHEDULE

FOR REPLACEMENT PART NUMBERS, PLEASE CALL MATRIX AT 1-800-871-0745 AND ASK FOR SERVICE

Month 7

Item	Service Requirement	1	2	3	4	5	6	7	8	9	10
System Solenoid Valves	Check for excessive noise or leakage.										
Compressor	Check belt tension, adjust if necessary.										
Compressor	Clean cooler.										
Air Dryer	Clean heat exchanger, check auto drain and connections.										
Enclosure	Check air filter condition, replace if necessary.										

Month 8

Item	Service Requirement	1	2	3	4	5	6	7	8	9	10
System Solenoid Valves	Check for excessive noise or leakage.										
Compressor	Check belt tension, adjust if necessary.										
Compressor	Clean cooler.										
Air Dryer	Clean heat exchanger, check auto drain and connections.										
Enclosure	Check air filter condition, replace if necessary.										

Month 9

Item	Service Requirement	1	2	3	4	5	6	7	8	9	10
System Solenoid Valves	Check for excessive noise or leakage.										
Compressor	Check belt tension, adjust if necessary.										
Compressor	Clean cooler.										
Compressor	Replace cooler filter mat.										
Air Dryer	Clean heat exchanger, check auto drain and connections.										
Enclosure	Check air filter condition, replace if necessary.										

Month 10

Item	Service Requirement	1	2	3	4	5	6	7	8	9	10
System Solenoid Valves	Check for excessive noise or leakage.										
Compressor	Check belt tension, adjust if necessary.										
Compressor	Clean cooler.										
Air Dryer	Clean heat exchanger, check auto drain and connections.										
Enclosure	Check air filter condition, replace if necessary.										

Month 11

Item	Service Requirement	1	2	3	4	5	6	7	8	9	10
System Solenoid Valves	Check for excessive noise or leakage.										
Compressor	Check belt tension, adjust if necessary.										
Compressor	Clean cooler.										
Air Dryer	Clean heat exchanger, check auto drain and connections.										
Enclosure	Check air filter condition, replace if necessary.										

Month 12

Item	Service Requirement	1	2	3	4	5	6	7	8	9	10
System Solenoid Valves	Dissassemble, clean and inspect valves. Rebuild if necessary.										
Compressor	Replace belt.										
Compressor	Clean cooler.										
Compressor	Replace cabinet filter.										
Compressor	Replace cooler filter mat.										
Compressor	Replace air filter.										
Compressor	Replace oil filter.										
Compressor	Replace separator.										
Compressor	Replace oil.										
Air Feed Line	Replace particulate filter.										
Air Feed Line	Replace oil removal filter.										
Air Dryer	Clean heat exchanger, check auto drain and connections.										
Air Dryer	Replace separator element.										
Enclosure	Check air filter condition, replace if necessary.										
Oxygen Sensor	Replace sensor unit if necessary.										
Oxygen Generator	Turn off feed air, remove bowl and replace all filters.										

APPENDIX J

CAMP DATA

System #1

11/8/10 Monday most

weather: cloudy, light hail
mod+stgwind from W , 40°

System #1 starting

7:15 calibrate multirae
pae# 06434, S/N 095-516534
+ DustTrak II pae# 17253

1010 Rig set up + hand clearing begins.

1020	DT	HCN	LEL	VOC	H_2S	O_2
UW	0.015	0	0	0	0	20.9
DW	0.023	0	0	0	0	
EL	0.011	0	0	0	0	↓

Hand clearing #54, moved W 2' to be out of sidewalk ramp.

1110	DT	HCN	LEL	VOC	H_2S
UW	0.011	0	0	0	0
DW	0.015	0	0	0	0
EL	0.009	0	0	0	0

Hand clearing 52.
Hauling

11/8/10

1200	DT	HCN	LEL	VOC	H_2S
UW	0.008	0	0	0	0
DW	0.012	0	0	0	0
EZ	0.009	0	0	0	0

Hand clearing + sidewalk demo.

1220 Break for lunch

1300 Lunch ends + crews return to Smith St.

1320	DT	HCN	LEL	VOC	H_2S
UW	0.025	0	0	0	0
DW	0.029	0	0	0	0
EZ	0.017	0	0	0	0

Hand clearing + sidewalk demo.

1410					
UW	0.010	0	0	0	0
DW	0.007	0	0	0	0
EZ	0.010	0	0	0	0

Hand clearing

1420 Return to site. CAMP ended.

11/10/10

weather: overcast, periods light rain, light-mod wind from N

715 Calibrate MR + DT

CAMP is modified for 6 probe

DT: 17253

MR: 06434

Use MR 06643 for soil screening

845 Hand clearing

	HCN	H_2S	LEL	VOC	O_2	DT
UW	0	0	0	0	20.9	0.011
DW	0	0	0	0	↓	0.007
EZ	0	0	0	0		0.009

930 Backing up DP-332 5'-0'

UW	0	0	0	0	0.016
DW	0	0	0	0	0.022
EZ	0	0	0	0	0.013

11/10/10

1005

	HCN	LEL	VOC	H_2S	O_2	DT
UW	0	0	0	0	20.9	0.007
DW	0	0	0	0	↓	0.011
EZ	0	0	0	0	↓	0.041

- Burying DHP-332
25'-30' up.

1100

UW	0	0	0	0	0.031
DW	0	0	0	0	0.011
EZ	0	0	0	0	0.027

Rilly 30'-35' up.

1150

UW	0	0	0	0	0.023
DW	0	0	0	0	0.016
EZ	0	0	0	0	0.013

Drilling 45'-50'

1215-1305 Lunch break

11/10/10

1335	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.008
DW	0	0	0	0	0.009
EZ	0	0	0	0	0.012

Pulling up 50-55' @ DHP-332.

1420 Handclearing DHP-331

UW	0	0	0	0	0.008
DW	0	0	0	0	0.010
EZ	0	0	0	0	0.009

1500 Drilling ends. Amps suspended.

11/11/10

Weather: clear, sunny, cold, 40°, mod wind from N/NE

815 Calibrate DustTrak 8250 # 12715 + 2 Multiflow pump # 06434 for use in modified chamber.

845 Start drilling DGP-331 15'-20'.

850 Pulling up sample

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.007
DW	0	0	0	0	0.009
E2	0	0	0	0	0.009

940

UW	0	0	0	0	0.005
DW	0	0	0	0	0.012
E2	0	0	0	0	0.007

Drilling 30'-35'!

11/11/10

1040

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.012
DW	0	0	0	0	0.013
E2	0	0	0	0	0.012

Pulling up ~~35~~ 40-45

1115

UW	0	0	0	0	0.010
DW	0	0	0	0	0.027
E2	0	0	0	0	0.011

Drilling down 45-50 at DGP-331

1138 Move Rig to DGP-333 + start hand clearing

1155

UW	0	0	0	0	0.011
DW	0	0	0	0	0.009
E2	0	0	0	0	0.010

Hand clearing @ 2' on DGP-333

11/11/10

12:10 –
1300: Lunch

1320	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.035
DW	0	0	0	0	0.041
E2	0	0	0	0	0.050

Drilling to 15'.

1415					
UW	0	0	0	0	0.011
DW	0	0	0	0	0.041
E2	0	0	0	0	0.027

Looking at sample, prep to drill to 40'.

1500					
UW	0	0	0	0	0.008
DW	0	0	0	0	0.012
E2	0	0	0	0	0.013

Drilling 40'-45'

1515 End for the day
CAMP suspended

11/12/10

weather: sunny, clear, 46°-56°
wind light-mod from NE

700 Calibrate CAMP equipment
Dust Trak 8250 #12715
MultiRae #06643 + 06464

850 Begin drilling at DGP-333 for 45'-50'

855	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.006
DW	0	0	0	0	~~0.001~~ 0.015
E2	0	0	0	0	0.011

Drilling ~~from 45~~ to collect 45'-50' sample.

950					
UW	0	0	0	0	0.006
DW	0	0	0	0	0.009
E2	0	0	0	0	0.009

Drilling 50'-55'.

11/12/10

1035 Moving Rig to DLP-334.

1045	HCN	LEL	VOC	H_2S	DT
UW	0	0	1.8	0	0.011
DW	0	0	2.0	0	0.029
EL	0	0	2.2	0	0.043

Punching through asphalt at DLP-334. Truck fueling at Oswego, upwind of work area.

1155					
UW	0	0	0	0	0.006
DW	0	0	0	0	0.013
EL	0	0	0	0	0.018

Drilling 20'-25'.

1210 Break for lunch
1250 Resume
1300

UW	0	0	0	0	0.012
DW	0	0	0	0	0.020
EL	0	0	0	0	0.049

Drilling 25'-30'.

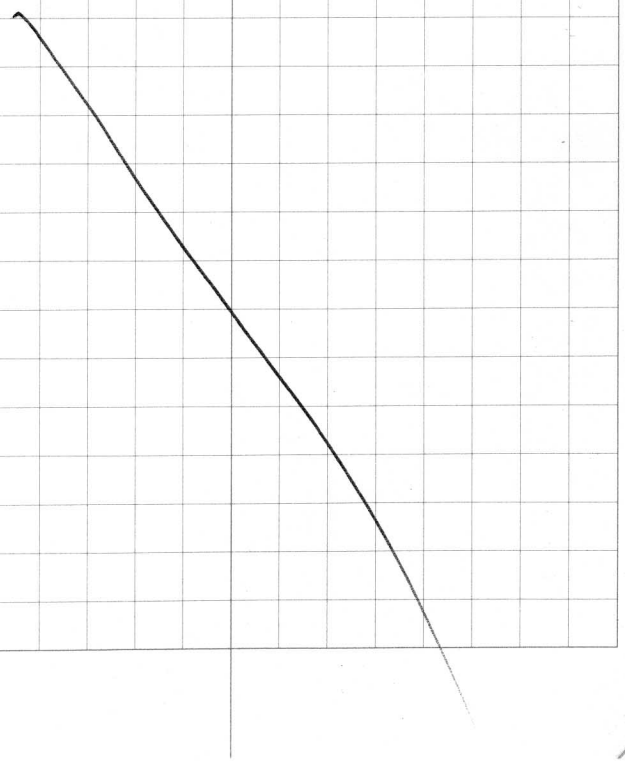
11/12/10

1400

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0.5	0	0.007
DW	0	0	0.5	0	0.021
EL	0	0	0.5	0	0.014

Drilling ~~50~~ 40-45'!

~~#~~1430 Stop drilling. Rig suspended.



Smith St

11/15/10 Monday

weather: overcast 53° - 58°

little to no wind from N

Glover - Barry + Marvin

Geoprobe 8040

1000 Glover starts hand clearing.

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.053
DW	0	0	0	0	0.059
E2	0	0	0	0	0.047

1010 Finished hand clearing. Now trying to position rig

1030

UW	0	0	0	0	0.049
DW	0	0	0	0	0.052
E2	0	0	0	0	0.047

Drilling OW-1-40D to 76.3' At 25' bgs

1105

UW	0	0	0	0	0.048
DW	0	0	0	0	0.052
E2	0	0	0	0	0.047

Drilling at 70' - 76.3'.

Smith St

11/15/10

1145

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.042
DW	0	0	0	0	0.062
E2	0	0	0	0	0.054

Hand clearing ow-1-39D.

1220

UW	0	0	0	0	0.036
DW	0	0	0	0	0.036
E2	0	0	0	0	0.036

Drilling at 75'!

1250 well built bentonite paved, break for lunch.

1315 Lunch over

1355

UW	0	0	0.2	0	0.023
DW	0	0	0	0	0.034
E2	0	0	0	0	0.024

Grouting ow-1-39.

UW is adjacent to Auto collision & paint Center.

Oswego

11/15/10 Monday

weather: ~~SU~~ overcast, 52°-58°

wind none - light from N

800 Calibrate

DT 8250 # 12715

MR #06464

→ FAN Mike M. + MR. Jr w/ 7720 DT.

940	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.052
DW	0	0	0	0	0.054
E2	0	0	0	0	0.049

Hand clearing DGP-334 (2)

1015					
UW	0	0	0	0	0.049
DW	0	0	0	0	0.057
E2	0	0	0	0	0.054

Drilling to 45' at Oswego

1100					
UW	0	0	0	0	0.049
DW	0	0	0	0	0.049
E2	0	0	0	0	0.051

Looking at sample 45-50 at Oswego

11/15/10

1140	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.040
DW	0	0	0	0	0.049
E2	0	0	0	0	0.049

Drilling ~~50~~ 55'-60' at Oswego.

1210 Liner stuck, break for lunch.

1300 return from lunch

1340					
UW	0	0	0	0	0.021
DW	0	0	0	0	0.038
E2	0	0	0	0	0.025

Drilling to 60'-65' after knocking out sample + clearing micro.

1425					
UW	0	0	0	0	0.028
DW	0	0	0	0	0.035
E2	0	0	0	0	0.038

Drilling DGP-333 to ~~50~~ 55'-60'.

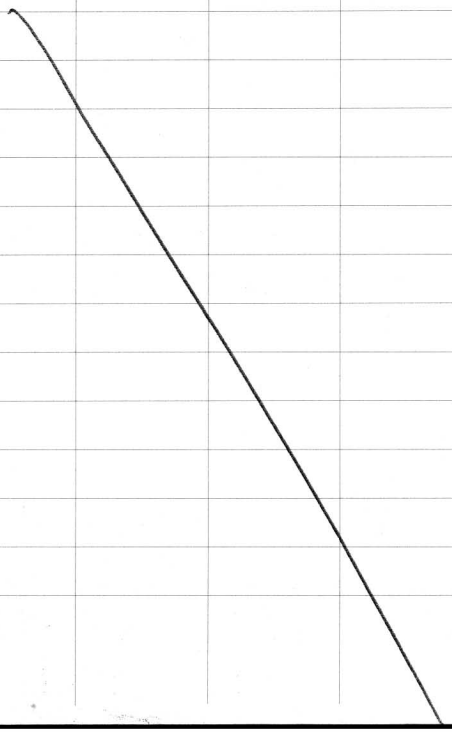
11/15/10

1430

UW	0	0	0	0	0.018
DW	0	0	0	0	0.024
EZ	0	0	0	0	0.025

Grouting OW-1-40D

1435 Finished grouting OW-1-40D
Now will clean up + decon.
CAMP ended for the day



11/16/10 Tuesday

Weather:

705 I, M. Dascoli, calibrate modified CAMP equipment.
Dust Trak 8250 #12715
Multi Rae # 06464

845	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.046
DW	0	0	0	0	0.045
EZ	0	0	0	0	0.047

Clover Hand clearing OW-1-38D at Smith St.

920

UW	0	0	0	0	0.048
DW	0	0	0	0	0.048
EZ	0	0	0	0	0.048

FKN Injecting grout at DGP-33X

927

UW	0	0	0	0	0.041
DW	0	0	0.5	0	0.062
EZ	0	0	0	0	0.042

Exhaust from rig DW
Clover drilling @ 81' at OW-1-38D

11/16/10

1015	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.033
DW	0	0	0	0	0.030
E2	0	0	0	0	0.030

Oswego - mixing grout for DGP-332

1035					
UW	0	0	0	0	0.023
DW	0	0	0	0	0.025
E2	0	0	0	0	0.028

Glacier resumes drilling. Now at OW-1-37D.

1105 Robin Putnam, NYSDOH on-site to look at UST.

1115					
UW	0	0	0	0	0.033
DW	0	0	0	0	0.036
E2	0	0	0	0	0.034

Glacier drilling at 80' at OW-1-37D

11/16/10

1120	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.032
DW	0	0	0	0	0.036
E2	0	0	0	0	0.038

Oswego - finishing grouting at DGP-331.

1145					
UW	0	0	0	0	0.032
DW	0	0	0	0	0.038
E2	0	0	0	0	0.036

Oswego - grouting last 20' of DGP-333

1200 Oswego grouting finished, CAMP ended there.
Glacier breaks for lunch

1320					
UW	0	0	0	0	0.023
DW	0	0	0	0	0.053
E2	0	0	0	0	0.034

Glacier grouting OW-1-37D on Smith St

11/16/10

1350	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.025
DW	0	0	0	0	0.070
E2	0	0	0	0	0.035

Smith St - Gravity OW-1-38D.

1420					
UW	0	0	0	0	0.031
DW	0	0	0	0	0.042
E2	0	0	0	0	0.034

Smith St - Glacier drilling at 35' at OW-1-36D.

1430 Glacier drills to 58', stops drilling for the day. Camp ended.

11/17/10 Wed.

weather: partly cloudy 7Am, 70am Sunny, 55°-63°, light wind from W.

700 MD on-site. Help product recovery team for 10 min.

730 Safety meeting / daily tasks discussed.

745 Calibrate Dust Trak #12715 + MW Hi Rae # 08348

815 Glacier starts drilling for day @ OW-1-36D.

825	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.036
DW	0	0	0	0	0.050
E2	0	0	0	0	0.049

Glacier Drilling OW-1-36D at 75'.

900					
UW	0	0	0	0	0.012
DW	0	0	0	0	0.043
E2	0	0	0	0	0.037

Glacier drilling at OW-1-35D at 10'.

11/17/10

Weather: mostly cloudy, mod-strong winds from W.

915	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.014
DW	0	0	0	0	0.023
EZ	0	0	0	0	0.065

F&N drilling ow-1-54 at 20'. This location is DW of ow-1-35D.

95T					
UW	0	0	0	0	0.015
DW	0	0	0	0	0.022
EZ	0	0	0	0	0.021

Glacier adding sand to well. ow-1-35D

1005					
UW	0	0	0	0	0.008
DW	0	0	0	0	0.014
EZ	0	0	0	0	0.028

F&N drilling ow-1-54 @ 55'

1045					
UW	0	0	0	0	0.007
DW	0	0	0	0	0.015
EZ	0	0	0	0	0.021

Glacier grouting ow-1-35D.

11/17/10

1120	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.007
DW	0	0	0	0	0.023
EZ	0	0	0	0	0.025

F&N resumes drilling. Now at ow-1-53, at 14' bgs.

1125					
UW	0	0	0	0	0.008
DW	0	0	0	0	0.012
EZ	0	0	0	0	0.015

Glacier drilling ow-1-36D well.

1215					
UW	0	0	0	0	0.007
DW	0	0	0	0	0.011
EZ	0	0	0	0	0.037

F&N drilling ow-1-53 at 49'.

1220					
UW	0	0	0	0	0.010
DW	0	0	0	0	0.035
EZ	0	0	0	0	0.022

Glacier grouting ow-1-36D.

11/17/10

1250 CAMP suspended for lunch.

1320	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.007
DW	0	0	0	0	0.012
E2	0	0	0	0	0.012

Glacier drilling OW-1-34D.

1350 Glacier done at OW-1-34D, prep to move to OW-1-54.

1400 F&N prepping to grout.

1415 7720 DT moving to set 8040 in.

1430					
UW	0	0	0	0	0.012
DW	0	0	0	0	0.015
E2	0	0	0	0	0.033

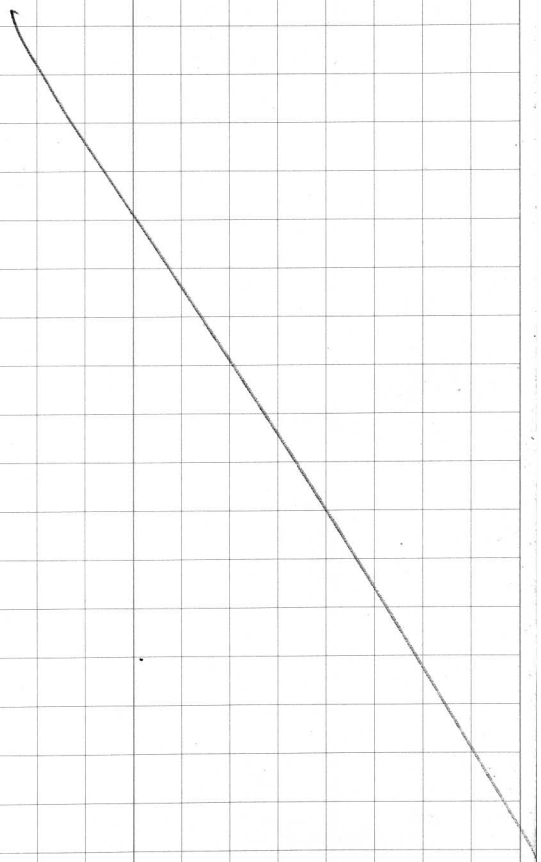
F&N + Glacier grouting OW-1-53

1515					
UW	0	0	0	0	0.011
DW	0	0	0	0	0.015
E2	0	0	0	0	0.022

Grouting OW-1-54

11/17/10

1530 OW-1-54 grouted. CAMP ended.



Thursday 11/18/10

weather: sunny, 48°-53°, wind light - Mod from W.

7[15] MD calibrates 2 Dust Trak + 2 Multirae.

8040 1 Dust Trak 8520 # 12715
Multirae # 08348

7720 2 Dust Trak 8520 # 12956 ←
Multirae # 06464

835	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.036
DW	0	0	0	0	0.032
E2	0	0	0	0	0.035

Drilling OW-1-340 at 80'.
Glacier: Barry + Marvin

Smith St 11/18/10

Glacier 8040 Barry + Marvin

mod. CAMP 1

930	HCN	LEL	VOC	H_2S	
UW	0	0	0.1	0	0.040
DW	0	0	0.1	0	0.044
EZ	0	0	0.1	0	0.075

Glacier drilling OW-1-33D at 35'.

1012					
UW	0	0	0	0	0.034
DW	0	0	0	0	0.036
EZ	0	0	0	0	0.039

Rolling rods up.

1110					
UW	0	0	0	0	0.036
DW	0	0	0	0	0.027
EZ	0	0	0	0	0.046

GL Drilling at OW-1-32D at 42'

1145					
UW	0	0	0	0	0.022
DW	0	0	0	0	0.034
EZ	0	0	0	0	0.027

Building well OW-1-32D.

Smith St 11/18/10

FAN 7720 Mike M + MR Jr

mod CAMP 2

920	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.021
DW	0	0	0	0	0.023
EZ	0	0	0	0	0.022

FAN Drilling OW-1-52 @ 29'.

1005					
UW	0	0	0	0	0.025
DW	0	0	0	0	0.027
EZ	0	0	0	0	0.025

FAN installing well ~~OW-1-52 drilling at~~ OW-1-52.

1100					
UW	0	0	0	0	0.029
DW	0	0	0	0	0.052
EZ	0	0	0	0	0.075

FAN drilling OW-1-51 at 30'.

1150					
UW	0	0	0	0	0.049
DW	0	0	0	0	0.059
EZ	0	0	0	0	0.062

Installing well OW-1-51.

Smith St 11/18/10

Glacier 8040

mod CAMP 1

1210 Glacier breaks for lunch after installing ow-1-32D. CAMP suspended.

1250 Lunch over - prep to grout.

1305	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.018
DW	0	0	0	0	0.021
E2	0	0	0	0	0.039

Grouting ow-1-32D

1400					
UW	0	0	0	0	0.018
DW	0	0	0	0	0.028
E2	0	0	0	0	0.027

Grouting OW-1-33D.

1430 CAMP suspended after grouting in this area is completed

Smith St 11/18/10

F&N 7720

mod CAMP 2

1205 Can't pull up rods at OW-1-57 Break for lunch, CAMP suspended

1250 Lunch over - Prep to grout

1307	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.021
DW	0	0	0	0	0.031
E2	0	0	0	0	0.044

Grouting prep.

1403					
UW	0	0	0	0	0.020
DW	0	0	0	0	0.029
E2	0	0	0	0	0.027

Prepping to grout next location, Waiting for Glacier

1500					
UW	0	0	0	0	0.021
DW	0	0	0	0	0.020
E2	0	0	0	0	0.035

8040 pulling rods + grouting @ ow-1-52

1510 Grouting finished, CAMP suspended.

11/19/10 Friday
Weather: sunny, 41°-52°
steady mod-light wind from ~~NW~~ W
7[30] MD calibrates CAMP equipment.
8[20] 8040 Begins drilling at OW-1-31D.

Glover 8040 CAMP MR # 06464
DT # 12715
Barry + Marvin

830	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.007
DW	0	0	0	0	0.009
EZ	0	0	0	0	0.009

Gl. Drilling OW-1-31D @ 15'

925					
UW	0	0	0	0	0.009
DW	0	0	0	0	0.008
EZ	0	0	0	0	0.013

Glover installing well OW-1-31D.

1012					
UW	0	0	0	0	0.028
DW	0	0	0	0	0.031
EZ	0	0	0	0	0.032

Glover drilling OW-1-30D at 75'

11/19/10
steady, light-mod wind from W
F&N 7720 CAMP MR # ~~0~~ 0
DT # 12715
Mike R + M Meade

920	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.009
DW	0	0	0	0	0.0029
EZ	0	0	0	0	0.009

F&N drilling OW-1-50 at 39'.

1015					
UW	0	0	0	0	0.009
DW	0	0	0	0	0.024
EZ	0	0	0	0	0.029

F&N setting up at OW-1-49.

1110					
UW	0	0	0	0	0.007
DW	0	0	0	0	0.033
EZ	0	0	0.1	0	0.069

F&N drilling OW-1-49 at 26'
Tight drilling.
1205 F&N breaks for lunch.
1250 F&N resumes work.

11/19/10

Glacier

1108	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.008
DW	0	0	0	0	0.025
EZ	0	0	0	0	0.048

Glacier drilling OW-1-29D at 5-5'.

1150 Glacier breaks for lunch

1215 Glacier resumes work.

1230

UW	0	0	0	0	0.005
DW	0	0	0	0	0.027
EZ	0	0	0	0	0.061

Glacier grouting OW-1-29D.

1325

UW	0	0	0	0	0.008
DW	0	0	0	0	0.018
EZ	0	0	0	0	0.021

Glac. ~~Reports~~ to grouting OW-1-30D.

1355 Glacier finished grouting OW-1-30D.

CAMP ended.

11/19/10

1300 F&N

	HCN	LEL	VOC	H_2S	DT
~~EZ~~ UW	0	0	0	0	0.008
DW	0	0	0	0	0.016
EZ	0	0	0	0	0.009

F&N prepping to grout OW-1-49.

~~F~~ 1330

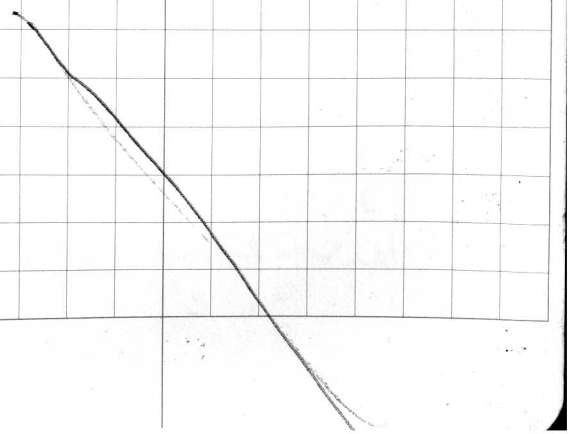
UW	0	0	0	0	0.010
DW	0	0	0	0	0.012
EZ	0	0	0	0	0.016

F&N grouting OW-1-49.

1332 Grouting ended @ OW-1-49.

1400 F&N has finished grouting OW-1-50.

CAMP ended.



11/22/10 Monday
weather: overcast, 50°-60°
light wind from W

710 Calibrate Dust Trak #12715
and fresh air cal
MultiRae #06464
#08348

815 Both rigs start drilling on
Smith St.
Gt. 8040 w/ Barry + Marvin.

905	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.030
DW	0	0	0	0	0.045
E2	0	0	0	0	0.028

Glacier drilling at OW-1-280 at 45'.
DT #12715, MR # 08348

1005					
UW	0	0	0	0	0.015
DW	0	0	0	0	0.056
E2	0	0	0	0	0.037

Glacier drilling OW-1-27D at 45'

11/22/10

FGN 7720 Mike M. + MRS.

910	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.028
DW	0	0	0	0	0.028
E2	0	0	0	0	0.036

FGN drilling at OW-1-48 at 20'.
DT#12715, MR #08348

1008					
UW	0	0	0	0	0.028
DW	0	0	0	0	0.031
E2	0	0	0	0	0.049

FGN drilling OW-148 at 40'.

1105					
UW	0	0	0	0	0.028
DW	0	0	0	0	0.032
E2	0	0	0	0	0.040

FGN drilling OW-1-47@5'.

1103 Glacier

UW	0	0	0	0	0.025
DW	0	0	0	0	0.049
E2	0	0	0	0	0.029

Glacier drilling OW-1-26D at 10'

11/22/10

1200 Break for lunch.
F&N rig is not working.

1230 Glover preps to grout.

1245	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.026
DW	0	0	0	0	0.062
EL	0	0	0	0	0.033

grouting ow-1-26D.

1320					
UW	0	0	0	0	0.018
DW	0	0	0	0	0.035
EL	0	0	0	0	0.036

Grouting ow-1-27D.
F&N rig still down.

1335 F&N rig running again.
Now grouting ow-1-48

1345					
UW	0	0	0	0	0.020
DW	0	0	0	0	0.067
EL	0	0	0	0	0.032

F&N grouting ow-1-48

1355 F&N finished, now relocating to site to decon rods.
Suspended for the day

11/23/10 Tuesday

Weather: mostly sunny, 55°-63°
wind none to light from SW

710 MD arrives.
712 Start to calibrate
DustTrak 8520 #12715
MultiRae #06464
730 calibration completed
907 F&N starts drilling at ow-1-47.

F&N 925	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.084
DW	0	0	0	0	0.081
EL	0	0	0	0	0.095

F&N drilling at ow-1-47, at 25'.

GL 945

UW	0	0	0	0	0.052
DW	0	0	0	0	0.075
EL	0	0	0	0	0.069

Glover drilling ow-1-25D at 30'.

1020

UW	0	0	0	0	0.080
DW	0	0	0	0	0.082
EL	0	0	0	0	0.095

F&N drilling @ 57' at ow-1-47.

11/23/10

1040	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.065
DW	0	0	0	0	0.073
E2	0	0	0	0	0.070

Glacier ~~completing installing~~ ready up to move → Lig.

F&N

1115

VW	0	0	0	0	0.076
DW	0	0	0	0	0.081
E2	0	0	0	0	0.168

F&N drilling at 15' on ow-1-46

G

1120

VW	0	0	0	0	0.078
DW	0	0	0	0	0.085
E2	0	0	0	0	0.093

Glacier drilling at 35' on ow-1-42D

1210

VW	0	0	0	0	0.076
DW	0	0	0	0	0.078
E2	0	0	0	0	0.092

F&N installing well
Glacier breaks for lunch.

weather: overcast, 60°, little to no wind

11/23/10

1230 F&N break for lunch.
1245 Glacier resumes
1310 F&N resumes

1310	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.073
DW	0	0	0	0	0.097
E2	0	0	0	0	0.092

Glacier grouting ow-1-42D.

1315

VW	0	0	0	0	0.073
DW	0	0	0	0	0.097
E2	0	0	0	0	0.085

F&N grouting ow-1-46.
(F&N is DW of Glacier)
1325 Glacier finished grouting, moves to ow-1-25D.
1327 F&N finished grouting, moves to ow-1-47.
1350 F&N finished grouting ow-1-47.
1355 Glacier finished grouting ow-1-25D
Camp ended for the day

11/24/10 Wednesday
weather: partly cloudy, 40°
mod-strong wind from N

7[10] calibrate DT #12715 + fresh air Cal MR# 06X64.

9[00]	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.005
DW	0	0	0	0	0.016
EZ	0	0	0	0	0.007

Hand clearing OW-1-425
prepping to drill

945					
UW	0	0	0	0	0.011
DW	0	0	0	0	0.018
EZ	0	0	0	0	0.025

Hand clearing OW-1-410 +
F&N drilling OW-1-425 @ 40'.

1030					
UW	0	0	0	0	0.004
DW	0	0	0	0	0.029
EZ	0	0	0	0	0.031

F&N drilling OW-1-415 @ 20'.

11/24/10

1115	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.905
DW	0	0	0	0	0.017
EZ	0	0	0	0	0.039

prepping to grout OW-1-415

1150 Grouting both locations finished, now cleaning up. Camp ended for the day.

1200 Camp resumed for hand clearing.

1210					
UW	0	0	0	0	0.007
DW	0	0	0	0	0.010
EZ	0	0	0	0	0.011

Hand clearing OW-1-405.

1240 Hand clearing finished. Camp ended.

11/29/10 Monday

weather: sunny, frost in AM, 35°
little to no wind from E

710 Calibrate Dust Trak 8520 + Multirae #06464.

830	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.039
DW	0	0	0	0	0.045
E2	0	0	0	0	0.038

Glacier has started drilling ow-1-27s.

900 Drilled to depth.

925

UW	0	0	0	0	0.042
DW	0	0	0	0	0.062
E2	0	0	0	0	0.037

Glacier moved to ow-1-29s. Not drilling yet.

931 Glacier starts drilling

940

UW	0	0	0	0	0.033
DW	0	0	0	0	0.072
E2	0	0	0	0	0.067

GL Drilling at ow-1-29s at 30'.

11/29/10

F&N 7720.

900	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.042
DW	0	0	0	0	0.034
E2	0	0	0	0	0.044

F&N has started drilling ow-1-40s.

945

UW	0	0	0	0	0.041
DW	0	0	0	0	0.033
E2	0	0	0	0	0.045

F&N drilling at ow-1-40s at 33'.

1030

UW	0	0	0	0	0.022
DW	0	0	0	0	0.026
E2	0	0	0	0	0.024

F&N setting up at ow-1-38s.

1125

UW	0	0	0	0	0.024
DW	0	0	0	0	0.032
E2	0	0	0	0	0.033

F&N setting well ow-1-39s

1145 F&N breaks for lunch.

11/29/10

1025	HCN	LEL	VOC	H_2S	
VW	0	0	0	0	0.022
DW	0	0	0	0	0.047
E2	0	0	0	0	0.082

Glacier setting well at ow-1-30s.

1120

VW	0	0	0	0	0.020
DW	0	0	0	0	0.024
E2	0	0	0	0	0.035

Glacier grouting ow-1-39s.

1155 Glacier breaks for lunch
1255 Glacier begins drilling at ow-1-26s as Charlie retrieves decon rods at site.

1305

VW	0	0	0	0	0.032
DW	0	0	0	0	0.047
E2	0	0	0	0	0.034

Glacier drilling @ 30' at ow-1-26s.

11/29/10

1224 F&N is setting up to grout

1255	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.032
DW	0	0	0	0	0.035
E2	0	0	0	0	0.033

F&N grouting ow-1-39s.

1330 F&N returns to site to clean rods.

1445

VW	0	0	0	0	0.023
DW	0	0	0	0	0.045
E2	0	0	0	0	0.033

F&N drilling @ OW-1-37s.

1507 F&N drilled to 29', Glacier ended for the day.

11/29/10

1345	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.030
DW	0	0	0	0	0.034
EZ	0	0	0	0	0.047

Glacier drilling ow-1-25S

1440					
UW	0	0	0	0	0.030
DW	0	0	0	0	0.067
EZ	0	0	0	0	0.072

Glacier gravity ow-1-25S.

1447 Glacier finished gravity ow-1-25S, now move to grout ow-1-26S.

1502 Glacier finished grouting ow-1-26S. Completed in this area

11/30/10 Tuesday

weather: mostly cloudy, 56°
wind light from NE
overcast by 10 am

710 Calibrate Dräger Pac #12715 + MultiRae #06464. Ran out of HCN gas, not calibrated

Glacier - Brent Martin

830	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.013
DW	0	0	0	0	0.014
EZ	0	0	0	0	0.013

Glacier drilling OW-1-41S at 35'

925					
UW	0	0	0	0	0.013
DW	0	0	0	0	0.016
EZ	0	0	0	0	0.014

Glacier drilling ow-1-38S @ 45'

1030					
UW	0	0	0	0	0.018
DW	0	0	0	0	0.021
EZ	0	0	0	0	0.016

Gl. prepping grout / waiting for bentonite seal @ ow-1-36S.

11/30/10

7720 F&N Mike + Mike

840	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.013
DW	0	0	0	0	0.013
EZ	0	0	0	0	0.014

F&N drilling ow-1-37s.

930					
UW	0	0	0	0	0.013
DW	0	0	0	0	0.017
EZ	0	0	0	0	0.018

F&N drilling ow-1-28s at

1035					
UW	0	0	0	0	0.015
DW	0	0	0	0	0.018
EZ	0	0	0	0	0.017

F&N setting up @ ow-1-31s.

1120					
UW	0	0	0	0	0.013
DW	0	0	0	0	0.022
EZ	0	0	0	0	0.019

F&N drilling ow-1-31s.

11/30/10

Glacier 8040

1125	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.015
DW	0	0	0	0	0.035
EZ	0	0	0	0	0.025

Glacier grating ow-1-41D.

1145 Break for lunch - decanning rods. CAM suspended.

1305					
UW	0	0	0	0	0.014
DW	0	0	0	0	0.016
EZ	0	0	0	0	0.015

Gl. Drilling ow-1-35s at 15'. light rain falling

1400					
UW	0	0	0	0	0.018
DW	0	0	0	0	0.025
EZ	0	0	0	0	0.022

Gl. Drilling ow-1-34s at 49'

1445					
VW	0	0	0	0	0.025
DW	0	0	0	0	0.035
EZ	0	0	0	0	0.041

Grating ow-1-35s.

11/30/10

F&N

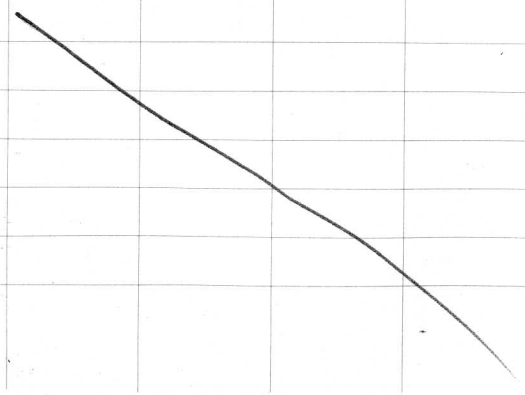
1220	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.013
DW	0	0	0	0	0.022
EZ	0	0	0	0	0.018

Grouting on I-315.
Light Rain falling.

1315					
UW	0	0	0	0	0.010
DW	0	0	0	0	0.013
EZ	0	0	0	0	0.015

F&N almost finished grouting

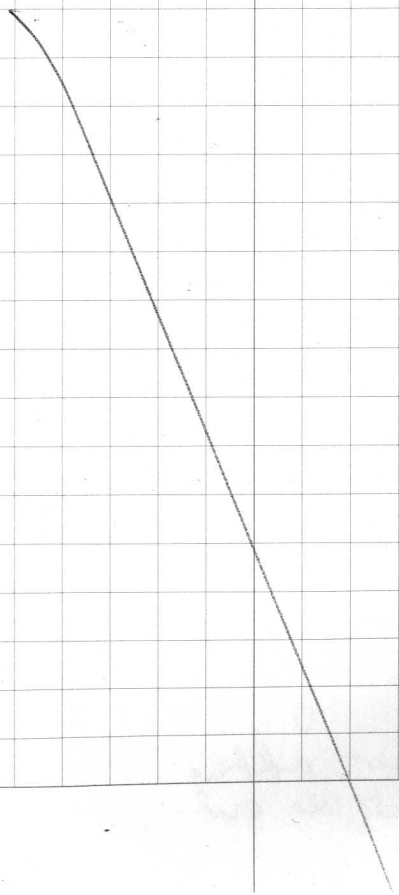
1400 F&N finished grouting on I-375. Now tracking back to the yard to decon.
~~UW~~
~~DW~~
~~EZ~~
CAMP ended for this area.



11/30/10

Glacier

1500 Glacier finished grouting all locations.
1510 Now return to yard to decon rods.
CAMP ended for day.



12/1/10 wednesday

weather: moderate - heavy rain 50°-60°, wind mod - strong from S, comes from W on Smith St.

715 I calibrate modified CAMP equipment: pine#
Dust Trak ~~12700~~ #12715
MultiRae #06464

800 Glacier setting up at MP-1-45. + location hand cleared. Rain is too heavy to conduct modified CAMP-meters will be effected by rain + may get too wet to work.

1030 CAMP resumed as rain has stopped. Wind is strong.

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.033
DW	0	0	0	0	0.039
E2	0	0	0	0	0.034

Glacier adding sand + pellets to ow-1-45

12/1/10

1035	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.037
DW	0	0	0	0	0.039
E2	0	0	0	0	0.035

F&N moving to ow-1-335.

1040 Rain resumes, CAMP suspended.

1330 Rain subsides, wind still strong w/strong gusts.

1340

UW	0	0	0	0	0.047
DW	0	0	0	0	0.049
E2	0	0	0	0	0.044

Glacier setting well MP-1-40.
F&N at yard decon area.

1440 Hard rain resumes. CAMP ended.

1445 Glacier finished grouting monitoring point locations.

12/2/10 Thursday

Weather: clear, sunny, 34°-40°, light-mod breeze from NW.

Note: CAMP equip. not calibrated today.

930 F&N + Glacier both start drilling.

Glacier w/8040.

945	HCN	LEL	VOC	H_2S	DT
UW	0	0	0.2	0	0.024
DW	0	0	0.2	0	0.028
EZ	0	0	0.4	0	0.038

Glacier drilling at MP-1-35, at 25'.

Smell of diesel exhaust in work area.

1040					
UW	0	0	0	0	0.031
DW	0	0	0	0	0.031
EZ	0	0	0	0	0.035

MP1-35 Glacier pulling rods after installing well w/ 30' screen.

1110 Glacier returns to yard to switch rods.

1130 Glacier breaks for lunch

12/2/10

F&N w/7720

950	HCN	LEL	VOC	H_2S	DT
UW	0	0	0.2	0	0.028
DW	0	0	0.2	0	0.077
EZ	0	0	0.2	0	0.032

F&N drilling OW-1-205 at 20'

1042					
UW	0	0	0	0	0.024
DW	0	0	0	0	0.038
EZ	0	0	0	0	0.028

F&N drilling at 45'. -OW-1-205

1135					
UW	0	0	0	0	0.028
DW	0	0	0	0	0.061
EZ	0	0	0	0	0.042

1200 F&N drilling on OW-1-215 at 19'.
F&N breaks for lunch.

1230					
UW	0	0	0	0	0.024
DW	0	0	0	0	0.035
EZ	0	0	0	0	0.038

F&N resumes drilling at 1225 drilling at 40'.

12/2/10

Glacier

1220	HCN	LEL	VOL	H_2S	DT
VW	0	0	0	0	0.024
DW	0	0	0	0	0.028
E2	0	0	0	0	0.025

Glacier drilling at 15'
OW-1-24D on edge of hill.

1235 MD goes to weekly meeting.
CAMP suspended.

12/3/10 - Friday

weather: partly cloudy, 34°-40°
wind little to no from E.

700 MD arrives
710 I calibrate CAMP
DT #12715
MR # 06464
730-750 ~~Daily~~ ~~Weekly~~ safety + task meeting.
then, F&N Mike M. + Mike Ryan Jr,
prep #720
Glacier Barry + Marvin prep +
get water.
815 Danny B. hand clearing
OW-1-09S+D.
830 Patrick + Matt S. arrive to
decide on well locations.
845 I show F&N where to go.
850 I return to well placement
walk.
905 Walk is done, Glacier is at
60' bgs.
F&N still getting set up.

12/3/10 CAMP

driller	well	target depth	done
GI	OW-1-9D	88.5'	
GI	OW-1-9S	66.0'	
GI	OW-1-8D	89.6'	
GI	OW-1-8S	66.3'	
F&N	OW-1-19S	49.7'	
F&N	OW-1-18S	50.2'	

845	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.027
DW	0	0	0	0	0.028
EZ	0	0	0	0	0.033

Glacier drilling at 30'.
OW-1-9D.

930					
UW	0	0	0	0	0.028
DW	0	0	0	0	0.029
EZ	0	0	0	0	0.035

Glacier installing well OW-1-9D.

1025					
UW	0	0	0	0	0.023
DW	0	0	0	0	0.038
EZ	0	0	0	0	0.042

GI. Drilling at 45' at OW-1-9S

12/3/10 mod CAMP

945	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.028
DW	0	0	0	0	0.036
EZ	0	0	0	0	0.034

F&N drilling OW-1-18S @ 15'.

1035					
UW	0	0	0	0	0.025
DW	0	0	0	0	0.023
EZ	0	0	0	0	0.023

F&N drilling at 49' at OW-1-18S.

1120					
UW	0	0	0	0	0.023
DW	0	0	0	0	0.026
EZ	0	0	0	0	0.018

F&N drilling OW-1-19S @ 15'.

1215					
UW	0	0	0	0	0.029
DW	0	0	0	0	0.021
EZ	0	0	0	0	0.033

F&N installing well OW-1-19S.

1220 F&N break for lunch.

1320 Still at lunch

12/3/10

Glover

1115	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.022
DW	0	0	0	0	0.048
E2	0	0	0	0	0.047

Gl. Drilling OW-1-8S @ 35'
Hand cleaning OW-1-7D.

1210

UW	0	0	0	0	0.021
DW	0	0	0	0	0.028
E2	0	0	0	0	0.028

Gl. Grouting OW-1-8S.

1300 ~~0.0~~

UW	0	0	0	0	0.014
DW	0	0	0	0	0.031
E2	0	0	0	0	0.023

Gl. grouting OW-1-9D

Glover finished grouting, now cleaning up + getting rig w/ 3-x truck.

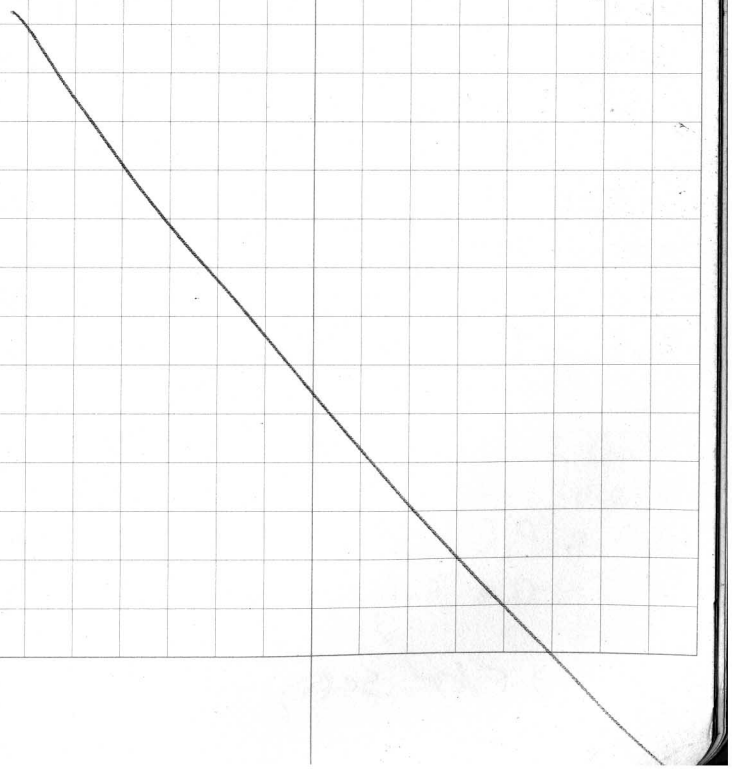
12/3/10

F&N

1355	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.014
DW	0	0	0	0	0.022
E2	0	0	0	0	0.025

F&N mixing grout + grouting OW-1-14S

1435 F&N grouting is finished.
CAMP ended for the day.



12/5/10 Monday
Weather: mostly cloudy, 31°, little to moderate wind, from W, occassional flurries all day

740 Calibrate CAMP equipment.
Dust Trak # 12715
MW HiRae # 08348
No HCN gas to calibrate with.

900	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.004
DW	0	0	0	0	0.007
EZ	0	0	0	0	0.005

Pre-clearing on LIRR ROW hill

925					
UW	0	0	0	0	0.006
DW	0	0	0	0	0.007
EZ	0	0	0	0	0.006

F&N start drilling OW-1-23S @ 15'

1020					
UW	0	0	0	0	0.007
DW	0	0	0	0	0.008
EZ	0	0	0	0	0.008

F&N setting up at OW-1-22S

12/6/10

930	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.007
DW	0	0	0	0	0.009
EZ	0	0	0	0	0.010

Clear drilling OW-1-8D at 15'

1025					
UW	0	0	0	0	0.007
DW	0	0	0	0	0.009
EZ	0	0	0	0	0.008

GI drilling well @ OW-1-8D

1120					
UW	0	0	0	0	0.007
DW	0	0	0	0	0.027
EZ	0	0	0	0	0.030

GI drilling OW-1-7D @ 75'

1215					
UW	0	0	0	0	0.007
DW	0	0	0	0	0.010
EZ	0	0	0	0	0.011

GI pulling up rods at OW-1-7D.

12/6/10

1117	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.007
DW	0	0	0	0	0.010
E2	0	0	0	0	0.012

F&N installing well @ ow-1-22S.

1210					
UW	0	0	0	0	0.008
DW	0	0	0	0	0.010
E2	0	0	0	0	0.012

F&N grouting.

1245 Break for lunch.

1330 F&N unloads rods

1405 F&N sets up at ow-1-15S + begins drilling.

1420					
UW	0	0	0	0	0.007
DW	0	0	0	0	0.015
E2	0	0	0	0	0.012

F&N drilling ow-1-15S @ 12'. Slow drilling.

1455 F&N drilled ow-1-15S to 24' + now clean up + leave rods in ground.

12/6/10

1315	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.007
DW	0	0	0	0	0.011
E2	0	0	0	0	0.015

Glacier grouting ow-1-7D.

1410 Glacier finished grouting both locations. End camp at this location.

1455 Camp ended for F&N drilling.

12/7/10 Tuesday

weather: mostly cloudy, 32-40°
light wind from W w/mod gusts.

755 Calibrate DT #1275
MR #0B348

920 start mud CAMP.
FAN w/ 7720 @ ow-1-15S

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.019
DW	0	0	0	0	0.027
E2	0	0	0	0	0.037

FAN drilling @ ow-1-15S @ 34'
Danny Lockclearing ow-14S.

1015

UW	0	0	0	0	0.019
DW	0	0	0	0	0.048
E2	0	0	0	0	0.051

FAN drilling @ ow-1-16S @ 14'.

1110

UW	0	0	0	0	0.003
DW	0	0	0	0	0.043
E2	0	0	0	0	0.009

FAN drilling ow-1-16S @ 49'.
1130 FAN break for lunch

12/7/10

Glacier 8040

930	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.019
DW	0	0	0	0	0.043
E2	0	0	0	0	0.046

Glacier drilling at ow-1-6D at 10'.

1020

UW	0	0	0	0	0.010
DW	0	0	0	0	0.012
E2	0	0	0	0	0.008

GL. setting well @ ow-1-6D + pulling rods + p.

1105

UW	0	0	0	0	0.006
DW	0	0	0	0	0.013
E2	0	0	0	0	0.003

GL. drilling ow-1-6S @ 60'.

1140

UW	0	0	0	0	0.004
DW	0	0	0	0	0.018
E2	0	0	0	0	0.013

GL. drilling ow-1-7S @ 40'.
1200 Glacier breaks for lunch.

12/7/10

1220 F&N starts drilling ow-1-175
1230 Glacier mixing grout.

1240	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.003
DW	0	0	0	0	0.010
E2	0	0	0	0	0.032

Glacier grouting ow-1-6D.

1245					
UW	0	0	0	0	0.003
DW	0	0	0	0	0.019
E2	0	0	0	0	0.020

F&N drilling at ow-1-175 @ 44'

1335					
UW	0	0	0	0	0.003
DW	0	0	0	0	0.011
E2	0	0	0	0	0.013

Glacier grouting 4th hole, ow-1-075,
F&N waiting to grout.
1400 Glacier finished grouting.
Now moving grouting to do F&N locations.

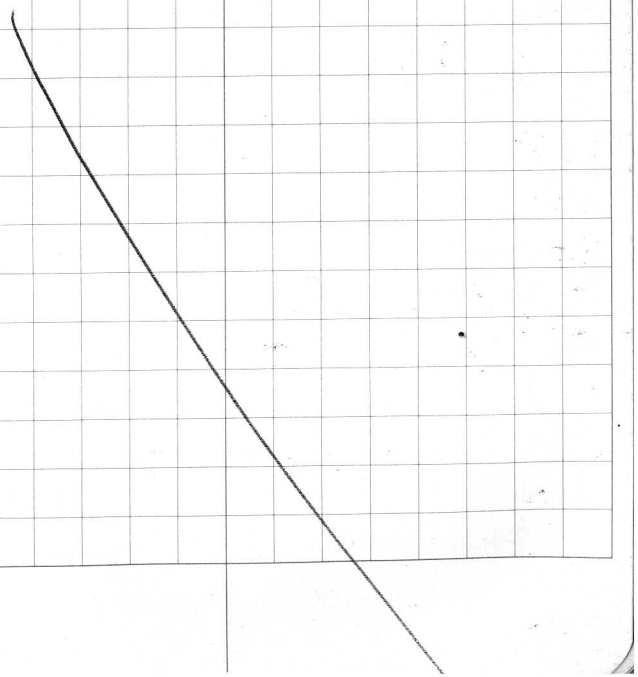
12/7/10

1420 Glacier is done grouting.
F&N starts grouting.

1435	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.003
DW	0	0	0	0	0.041
E2	0	0	0	0	0.025

F&N Grouting ow-1-175.

1500 F&N done.
AMP ended



12/8/10 Wed.

weather: sunny, clear, cold
28°-35°
wind - light to mod
wind from west.

710 Calibrate CMP equipment.
DT 12715
MR ~~06464~~ 08348

Glacier 8040

910	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.008
DW	0	0	0	0	0.079
E2	0	0	0	0	0.031

Glacier drilling ow-1-5D at 45'.

1005					
UW	0	0	0	0	0.006
DW	0	0	0	0	0.018
E2	0	0	0	0	0.021

Glacier setty well ow-1-5D.

1102					
UW	0	0	0	0	0.006
DW	0	0	0	0	0.058
E2	0	0	0	0	0.017

Glacier drilling ow-1-4 at 75'.

12/8/10

F&N 7720

920	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.006
DW	0	0	0	0	0.044
E2	0	0	0	0	0.011

F&N drilling ow-1-14S at ~~0957~~ 29'.

1010					
UW	0	0	0	0	0.006
DW	0	0	0	0	0.0023
E2	0	0	0	0	0.010

F&N setty well at ow-1-14S

1107					
UW	0	0	0	0	0.006
DW	0	0	0	0	0.034
E2	0	0	0	0	0.017

F&N drilling ow-1-13S @ 05'.

1155					
UW	0	0	0	0	0.006
DW	0	0	0	0	
E2	0	0	0	0	

F&N Rods in ground at 45'
Mechanic recharging hammer.

12/8/10

Glacier

1150	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.006
DW	0	0	0	0	0.025
E2	0	0	0	0	0.018

Glacier pulling rods + installing well.

1207 MD leaves to go back to trailer for weekly meeting.
CAMP suspended.

1417 MD returns. Glacier is finished grouting.

1425 Grout mixer setup @ OW-1-135 + start grouting.

1445

UW	0	0	0	0	0.006
DW	0	0	0	0	0.024
E2	0	0	0	0	0.018

FAN grouting OW-1-135.

1310 FAN finished grouting + is now packing up.
~~CAMP~~ CAMP ended.

12/9/10 Thursday

weather: clear, cold, 24°-32°, wind light w/ mod gusts from SW

710 Calibrate CAMP equipment
DT #12715
MR# 06464

945	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.013
DW	0	0	0	0	0.033
E2	0	0	0	0	0.026

Glacier drilling OW-1-17D at 55'.

1040

UW	0	0	0	0	0.008
DW	0	0	0	0	0.014
E2	0	0	0	0	0.044

Glacier setting well @ OW-1-17D

1135

UW	0	0	0	0	0.008
DW	0	0	0	0	0.015
E2	0	0	0	0	0.006

Glacier setting well @ OW-1-18D

1230 Glacier breaks for lunch.

1300 Glacier done w/ lunch Let Leave to wait for FAN to grout 1st.

12/9/10

955	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.013
DW	0	0	0	0	0.029
E2	0	0	0	0	0.034

F&N drilling ow-1-12S at 34'.

1050					
UW	0	0	0	0	0.009
DW	0	0	0	0	0.009
E2	0	0	0	0	0.010

F&N preppy to drill ow-1-11S.

1140					
UW	0	0	0	0	0.008
DW	0	0	0	0	0.011
E2	0	0	0	0	0.053

F&N drilling ow-1-11S at 39'

1230 F&N Breaks for Lunch
1300 F&N starts grouting

1330					
UW	0	0	0	0	0.009
DW	0	0	0	0	0.029
E2	0	0	0	0	0.020

F&N grouting ow-1-12S.

12/9/10

1340 F&N finished grouting activities done in that area today.
Now prep for Glacier to grout.

1400	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.008
DW	0	0	0	0	0.035
E2	0	0	0	0	0.013

Glacier starts grouting ow-1-19D.

1455					
UW	0	0	0	0	0.008
DW	0	0	0	0	0.045
E2	0	0	0	0	0.025

Glacier grouting ow-1-17D.

1530 Glacier has finished grouting locations. Now cleaning up.
CAMP ended

12/10/10 Friday
weather: overcast, cold, 23°-33°
wind light from N.

710 Calibrate Glare equipment.
DustTrak 8250 #13715
MultiRae # 06464

825-825 Glare drilled + got shut down by apartment resident.

900 Glare + F&N Log in.

915	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.016
DW	0	0	0	0	0.042
E2	0	0	0	0	0.049

Glare drilling @ 55' at ow-1-16D.

1010					
UW	0	0	0	0	0.016
DW	0	0	0	0	0.029
E2	0	0	0	0	0.054

Glacier drilling ow-1-15D @ 45'.

11.00					
UW	0	0	0	0	0.016
DW	0	0	0	0	0.024
E2	0	0	0	0	0.028

Prepping to grout - fixing grout mixer

12/10/10

920	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.018
DW	0	0	0	0	0.069
E2	0	0	0	0	0.066

F&N drilling ow-1-10S @ 19'.

1015					
UW	0	0	0	0	0.019
DW	0	0	0	0	0.038
E2	0	0	0	0	0.026

F&N installing well @ ow-1-10S.

1100 F&N moved to ow-1-5S. Prepping to drill + helping to fix grout mixer, no ground disturbed

1120					
UW	0	0	0	0	0.015
DW	0	0	0	0	0.048
E2	0	0	0	0	0.057

F&N drilling ow-1-5D @ 13'

1105					
UW	0	0	0	0	0.017
DW	0	0	0	0	0.073
E2	0	0	0	0	0.028

F&N drilling ow-1-5D @ 49'.

12/10/10

1150	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.015
DW	0	0	0	0	0.033
E2	0	0	0	0	0.023

Glacier ~~drilling~~ grouting on-1-185.

1245 Glacier drilled on-1-200 to 65'+ leaving rods in the ground. CAMP ended.

1240 FKN breaks for lunch. camp suspended

1330 FKN starts grouting

UW	0	0	0	0	0.015
DW	0	0	0	0	0.025
E2	0	0	0	0	0.024

FKN grouting on-1-53.

1405 FKN finished grouting 2 locations ~~not~~

1425 Returning to yard. CAMP ended.

~~12/10/10~~ 12/13/10

Monday

weather: overcast, 45°, no-little wind from the N

710 Calibrate ~~CAMP~~ equipment for modified CAMP. DT #12715 MR#

900 Glacier starts drilling on-1-200, Started on Friday.

~~9/2~~	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.029
DW	0	0	0	0	0.042
E2	0	0	0	0	0.035

Glacier drilling on-1-200 at 75'.

1005

UW	0	0	0	0	0.032
DW	0	0	0	0	0.028
E2	0	0	0	0	0.028

Glacier drilling on-1-200 @ 50'

1105

UW	0	0	0	0	0.043
DW	0	0	0	0	0.030
E2	0	0	0	0	0.026

Glacier drilling on-1-200 at 35'.

12/13/10 FtN

930	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.028
DW	0	0	0	0	0.047
E2	0	0	0	0	0.035

FtN drilling ow-1-45 @ 5'-10'.

1020					
UW	0	0	0	0	0.030
DW	0	0	0	0	0.039
E2	0	0	0	0	0.032

FtN drilling ow-1-45 @ 65'.

1115 FtN has finished ow-1-45+ has been cleaned ow-1-44. Now setting up timbers, no intrusive work. Temp. dropping into 30's.

1145 Starts drilling ow-1-44.

1150					
UW	0	0	0	0	0.042
DW	0	0	0	0	0.062
E2	0	0	0	0	0.052

FtN drilling ow-1-44 @ 10'.

1210 FtN breaks for lunch.

12/13/10 Glacier

1140 Glacier breaks for lunch.

1210 Glacier resumes work - grouting ow-1-22D.

1225	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.032
DW	0	0	0	0	0.033
E2	0	0	0	0	0.030

Glacier grouting ow-1-22D.

1320					
UW	0	0	0	0	0.030
DW	0	0	0	0	0.035
E2	0	0	0	0	0.035

Glacier grouting ow-1-21D.

1345					
UW	0	0	0	0	0.022
DW	0	0	0	0	0.027
E2	0	0	0	0	0.027

Glacier grouting ow-1-20D.

1407 Glacier finished grouting. Done drilling today. Completed here.

12/13/10

1245 F&N resumes drilling.

1304	%HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.030
DW	0	0	0	0	0.037
E2	0	0	0	0	0.042

F&N drilling at ow-1-44 @ 34'

1340

UW	0	0	0	0	0.022
DW	0	0	0	0	0.022
E2	0	0	0	0	0.033

F&N installing well ow-1-44.

1435

UW	0	0	0	0	0.021
DW	0	0	0	0	0.070
E2	0	0	0	0	0.036

F&N grouting ow-1-44

1505 F&N finished grouting ow-1-45.

CAMP ended for the day

12/14/10 Tuesday

weather: overcast, snow flurries, 19°, light to moderate wind from N

7:00 Calibrate equipment for modified CAMP.

Dust trak #12715

Multigas # 06464

Glover Rope Swing

855	%HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.006
DW	0	0	0	0	0.014
E2	0	0	0	0	0.035

Glover drilling ow-1-230 at 55'

930 -snow has stopped, partly sunny, 26°

UW	0	0	0	0	0.005
DW	0	0	0	0	0.023
E2	0	0	0	0	0.024

Glover grouting ow-1-230

1020 Grouting finished

1105 setup on ow-1-140+ start drilling.

12/14/10

F&N 7720

930	HzN	45Z	Vrt	Hrs	DT
UW	0	0	0	0	0.010
DW	0	0	0	0	0.031
E2	0	0	0	0	0.026

F&N drilling ow-1-43 @ 10'

1000 snow has stopped, 20° partly sunny.

1025

UW	0	0	0	0	0.006
DW	0	0	0	0	0.032
E2	0	0	0	0	0.024

F&N drilling ow-1-43 @ 65'.

1125

UW	0	0	0	0	0.006
DW	0	0	0	0	0.014
E2	0	0	0	0	0.025

F&N installing well ow-1-43

1218 F&N finishes grouting. Camp ended

12/14/10

Glacier 8040

1110	HzN	45Z	Vrt	Hrs	DT
UW	0	0	0	0	0.006
DW	0	0	0	0	0.022
E2	0	0	0	0	0.025

Glacier drilling at 25' ow-1-140

1140 Glacier drilled ow-1-140 + is installing well.

1210

UW	0	0	0	0	0.006
DW	0	0	0	0	0.016
E2	0	0	0	0	0.012

Glacier drilling ow-1-140

1240 Glacier installing well #1.

1305 ~~1255~~ Glacier breaks for lunch

1330 Glacier resumes work - grouting ow-1-140.

1345

UW	0	0	0	0	0.007
DW	0	0	0	0	0.015
E2	0	0	0	0	0.022

Glacier grouting ow-1-140

12/14/10

1430	HzN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.007
DW	0	0	0	0	0.012
E2	0	0	0	0	0.019

Glacier gravity ow-1-14D.

1505 Glacier off LOC
Low + returns to yard
after finishing gravity
ow-1-14D + 13D.
CAMP ended

12/15/10 Wednesday

weather: partly cloudy, cold,
20°-28°, wind light from N

705 Calibrate equipment for use in modified CAMP.
Dust Trak # 12715
Multirae # 06464
No FAN drilling today.
9 am Glacier starts drilling
ow-1-12D.

905	HzN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.014
DW	0	0	0	0	0.045
E2	0	0	0	0	0.015

Glacier drilling at ow-1-12D at 25'

1000					
UW	0	0	0	0	0.009
DW	0	0	0	0	0.007
E2	0	0	0	0	0.041

Glacier ~~drilling~~, hose talking
well at ow-1-12D.

12/15/10

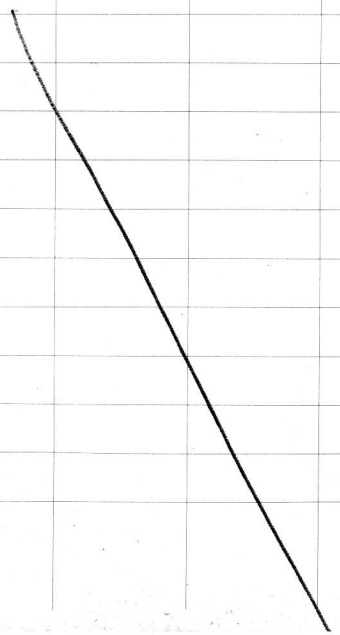
10 55	H2N	LEL	VOL	H2S	DT
UW	0	0	0	0	0.012
DW	0	0	0	0	0.021
E2	0	0	0	0	0.010

Glacier drilling ow-1-11D at 75'.

1150					
UW	0	0	0	0	0.012
DW	0	0	0	0	0.025
E2	0	0	0	0	0.023

Glacier grating ow-1-11D.

E2



~~12~~ 1/3/11 Monday

weather: clear 29°-49°
wind, light from N

7 55 calibrate MR# 08348
DT #12715

9 07 Glacier begins drilling at ow-1-3 on Hilton Ave.

910	H2N	LEL	VOL	H2S	DT
UW	0	0	0	0	0.013
DW	0	0	0	0	0.019
E2	0	0	0	0	0.020

Glacier drilling @ 15' on ow-1-3.

950					
UW	0	0	0.1	0	0.017
DW	0	0	0.1	0	0.068
DW E2	0	0	0.1	0	0.043

Joe had clearing ow-1-2.
Glacier drilling ow-1-3 @ 85'-90'

Gl C2	0	0	0.1	0	0.031

1040					
UW	0	0	0.1	0	0.013
DW	0	0	0.1	0	0.017
E2	0	0	0.1	0	0.028

Glacier installed well, now pulling casing up. ow-1-2 cleared.

1/3/11

1100	~~DW~~ HCN	~~DW~~ LEL	VOC	H_2S	DT
UW	0	0	0.1	0	0.014
DW	0	0	0.1	0	0.017
E2	0	0	0.1	0	0.012

Glacier drilling @ 15', ow-1-2

1150					
UW	0	0	0.1	0	0.010
DW	0	0	0.1	0	0.023
E2	0	0	0.1	0	0.022

Drilling at 95' ow-1-2

1225 ow-1-2 installed now break for lunch.

1300 Lunch over, mixing grout.

1325 Injecting grout @ ow-1-2,

UW	0	0	0	0	0.008
DW	0	0	0	0	0.016
E2	0	0	0	0	0.033

1415

UW	0	0	0	0	0.010
DW	0	0	0	0	0.027
E2	0	0	0	0	0.022

Grouting @ ow-1-2.

1430 Grouting finished. Crew ended

1/4/11 Tuesday

weather: mostly cloudy, 30°-40°
wind light from S

730 I, Megan Dascoli, calibrate camp equipment.
DustTrak # 12715
MultiRae #08348

940	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.036
DW	0	0	0	0	0.062
E2	0	0	0	0	0.086

Glacier drilling at 35' at ow-1-1

1030					
UW	0	0	0	0	0.037
DW	0	0	0	0	0.060
E2	0	0	0	0	0.049

ow-1-1 drilled to depth, now installing well.

1125					
UW	0	0	0	0	0.027
DW	0	0	0	0	0.029
E2	0	0	0	0	0.027

ow-1-1 - adding bentonite.
(problem w/ duct tape on top of well)

1/4/11

1215	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.024
DW	0	0	0	0	0.096
EZ	0	0	0	0	0.035

Grouting OW-1-1.

1305 - 1320 Break for lunch.

1325					
VW	0	0	0	0	0.021
DW	0	0	0	0	0.027
EZ	0	0	0	0	0.031

Drilling OW-1-10D at 15'.

1415					
VW	0	0	0	0	0.020
DW	0	0	0	0	0.022
EZ	0	0	0	0	0.027

Installing well OW-10D.

1450 well installed. will grout tomorrow.

CAmpended.

1/5/11 - Wednesday

weather: sunny, light breeze from South, ~30°-37°

925 Drilling MP-1-15 begins on Atlantic Ave.

930	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.047
DW	0	0	0	0	0.058
EZ	0	0	0	0	0.062

Drilling 20'-25' @ MP-1-15.

1015					
VW	0	0	0	0	0.043
DW	0	0	0	0	0.048
EZ	0	0	0	0	0.044

installing well + removing rods. MP-1-15.

1105					
VW	0	0	0	0	0.028
DW	0	0	0	0	0.044
EZ	0	0	0	0	0.039

Grouting ~~and~~ MP-1-15.

1155					
VW	0	0	0	0	0.026
DW	0	0	0	0	0.028
EZ	0	0	0	0	0.035

Grouting ~~the~~ OW-1-10D.

1/5/11

1200 I leave to go to weekly meeting + suspend camp.

1425 Return - camp resumed

@	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.026
DW	0	0	0	0	0.035
EZ	0	0	0	0	0.036

Glacier drilling ~~at~~ MP-1-25, 2nd try @ 13'.

1510 Glacier stopped drilling after 3rd refusal.
Camp ended.

1/6/11 Thursday

weather: cloudy 25°-31°, none-light wind from S.

915	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.035
DW	0	0	0	0	0.028
EZ	0	0	0	0	0.030

Glacier drilling MP-1-25 @ 15-26.

1010					
UW	0	0	0	0	0.041
DW	0	0	0	0	0.029
EZ	0	0	0	0	0.030

Glacier drilling well MP-1-25.

1055					
UW	0	0	0	0	0.024
DW	0	0	0	0	0.022
EZ	0	0	0	0	0.024

Grouting MP-1-25 + 2 refusal locations

1/6/11

1150	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.023
DW	0	0	0	0	0.025
EZ	0	0	0	0	0.024

Hand clearing MP-1-8.

1220-1250 Break for lunch

1320

UW	0	0	0	0	0.024
DW	0	0	0	0	0.036
EZ	0	0	0	0	0.031

Drilling MP-1-8 at 25'.

1415

UW	0	0	0	0	0.037
DW	0	0	0	0	0.040
EZ	0	0	0	0	0.038

Drilling well MP-1-8

1445 Grouting finished. Amp ended.

1/10/11 Monday

weather: clear, cold 25°-35°, light-mod steady wind from NW

710 Calibrate Multirae 06464 + Dust Trak 0271

920	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.010
DW	0	0	0	0	0.017
EZ	0	0	0	0	0.037

Glacier drilling MP-1-20 @ 15' w/ Hollow stem augers.

1015

UW	0	0	0	0	0.009
DW	0	0	0	0	0.042
EZ	0	0	0	0	0.013

Drilling MP-1-20 @ 75'-80'.

1110

UW	0	0	0	0	0.009
DW	0	0	0	0	0.035
EZ	0	0	0	0	0.017

Drilled to depth + added PVC, now building well w/ sand + bentonite

1/10/11

1155	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.008
DW	0	0	0	0	0.022
EZ	0	0	0	0	0.015

Grouting MP-1-2D

1240					
VW	0	0	0	0	0.008
DW	0	0	0	0	0.015
EZ	0	0	0	0	0.011

Grouting MP-1-2D @ 20'.

1250 Grouting finished, area cleaned up.

1300 FAN + Glacier Breaks for lunch. CAMP suspended.

1350 Resume drilling → at MP-1-1D

1400					
VW	0	0	0	0	0.008
DW	0	0	0	0	0.015
EZ	0	0	0	0	0.013

Drilling MP-1-1D at 10'.

1415 Drilled ended at 25'.

Suspended for the day.

1/11/11 Tuesday

weather: partly cloudy, 24°-33°
wind light from NE

830 Glacier starts drilling @ MP-1-1D at 30' bgs.

900	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.013
DW	0	0	0	0	0.013
EZ	0	0	0	0	0.017

Glacier drilling MP-1-1D @ 40'.

930					
VW	0	0	0	0	0.013
DW	0	0	0	0	0.013
EZ	0	0	0	0	0.013

Glacier installing well to depth.

1045					
VW	0	0	0	0	0.012
DW	0	0	0	0	0.013
EZ	0	0	0	0	0.013

Glacier removing augers in order to sand + seal well.

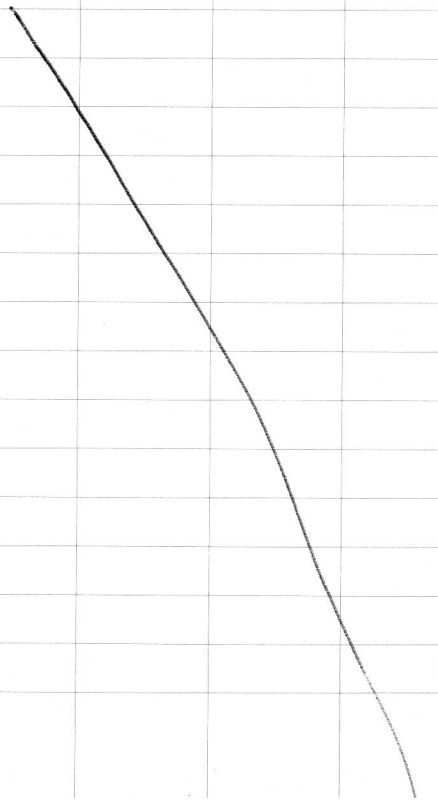
MP-1-1D.

1/11/11

1130	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.012
DW	0	0	0	0	0.013
E2	0	0	0	0	0.014

Grouting MP-1-1D.

1205 Augers suspended. Auger removed from borehole.



1/13/11 Thurs.

weather: 20°-29°, clear, light wind from N.
~6"-10" of snow on ground from storm yesterday.

1000	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.004
DW	0	0	0	0	0.024
E2	0	0	0.2	0	0.015

Cleaver drilling @ MP-1-3D @ 20'.

1050					
UW	0	0	0	0	0.005
DW	0	0	0.2	0	0.025
E2	0	0	0.1	0	0.008

Installing well. MP-1-3D.
Exhaust odor downwind from Rig + 2 support trucks.

1145					
UW	0	0	0	0	0.005
DW	0	0	0	0	0.009
E2	0	0	0	0	0.010

waiting for bentonite seal to set

1/13/11

11[30] Glacier on lunch.
1200 I return to trailer for lunch + weekly meeting.
Suspended Camp.

1/14/11 Friday

weather: overcast, 20°-25°
wind light from E.

745 Calibrate CAMP
DT # 12715
MultiRae #07259

920	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.010
DW	0	0	0	0	0.008
E2	0	0	0	0	0.013

Drilling MP-1-6 at 10'.

1010					
UW	0	0	0	0	0.010
DW	0	0	0	0	0.031
E2	0	0	0	0	0.007

Drilling MP-1-6 @ 60'.

1100					
UW	0	0	0	0	0.010
DW	0	0	0	0	0.018
E2	0	0	0	0	0.013

Installing well material.

1/14/11

1155	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.010
DW	0	0	0	0	0.018
E2	0	0	0	0	0.015

Drilling auger at lost well material out of hole.

1250					
VW	0	0	0	0	0.010
DW	0	0	0	0	0.015
E2	0	0	0	0	0.013

Drilling MP-1-6 again, @ 25'

1300-1320 Break for lunch.

1340					
VW	0	0	0	0	0.010
DW	0	0	0	0	0.021
E2	0	0	0	0	0.011

Drilling MP-1-6 again, at 70'

1435					
VW	0	0	0	0	0.010
DW	0	0	0	0	0.015
E2	0	0	0	0	0.013

Drilling augers up. well not set

1530 Augers up. Drilling ended for the day. Camp ended

1/17/11 Monday

weather: partly cloudy, 19°-25°, cold, wind light from E+S

745 Calibrate DT #12715
MR # 07259
for use in modified CAMP.

830 Glover begins drilling at MP-1-6, again.

855	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.008
DW	0	0	0	0	0.011
E2	0	0	0	0	0.012

Glover drilling at 30'

950					
VW	0	0	0	0	0.007
DW	0	0	0	0	0.024
E2	0	0	0	0	0.013

Knocking plug out @ MP-1-6

1045					
VW	0	0	0	0	0.004
DW	0	0	0	0	0.019
E2	0	0	0	0	0.005

Removing augers.

1/17/11

1135	H_2N	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.010
DW	0	0	0	0	0.012
EZ	0	0	0	0	0.009

waiting for bentonite seal to set.

1140 Breaks for lunch.

1230 Lunch over

1255					
UW	0	0	0	0	0.009
DW	0	0	0	0	0.013
EZ	0	0	0	0	0.011

Drilling MP-1-5 @ 10'

1340					
UW	0	0	0	0	0.010
DW	0	0	0	0	0.010
EZ	0	0	0	0	0.012

Drilling at 40'.

1355 Drilling over for today. Camp ended.

1/18/11 Tuesday

weather: 29° going up to 37°; snow + freezing rain at start of work day, moving to rain by midmorning + afternoon. Wind light to moderate, N

715 Camp not advisable b/c of heavy rain, equipment in danger of getting too wet. Camp suspended.

900 Glover starts drilling for the day at MP-1-5.

950 Rain has lessened, camp resumed.

	H_2N	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.014
DW	0	0	0	0	0.022
EZ	0	0	0	0	0.017

Drilling MP-1-5 at 90'.

1005 Drilled MP-1-5 to 101'. Now pushing plug out.

1045					
UW	0	0	0	0	0.015
DW	0	0	0	0	0.025
EZ	0	0	0	0	0.017

Removing augers @ MP-1-5

1/18/11

1140	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.013
DW	0	0	0	0	0.027
E2	0	0	0	0	0.018

Raining heavily
& started adding salt chips.
at MP-1-5.

1145 Break for lunch.
1235 Return from lunch.
1245

UW	0	0	0	0	0.015
DW	0	0	0	0	0.017
E2	0	0	0	0	0.014

Grouting MP-1-5.

1340

UW	0	0	0	0	0.021
DW	0	0	0	0	0.029
E2	0	0	0	0	0.015

Setting manhole MP-1-5

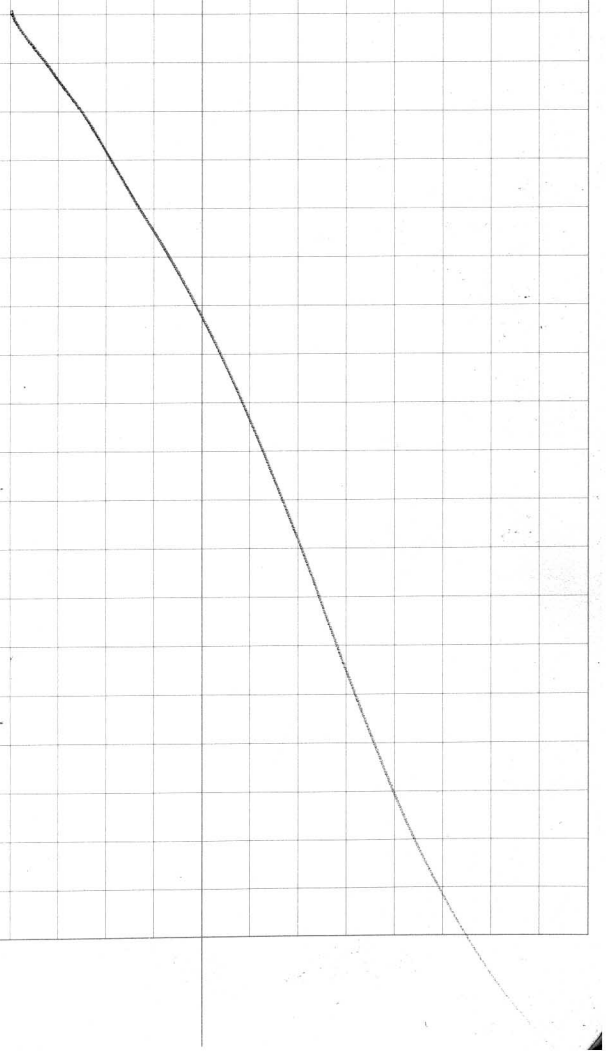
1410

UW	0	0	0	0	0.012
DW	0	0	0	0	0.020
E2	0	0	0	0	0.017

Drilling MP-1-7 @ 15!

1/18/11

1415 Drilled MP-1-7 to 20'.
Now closing hole up.
Completed for the day.



1/19/11 wed.

weather: overcast, 35°-40°
light wind from E

7:15 Calibrate MR # 07259
DT # 12715
for modified CAMP.

845 Start drilling MP-1-7 at 20'.

910

UW	0	0	0	0	0.058
DW	0	0	0	0	0.057
E2	0	0	0	0	0.066

Glover drilling MP-1-7 @ 60'
Note: Light-moderate MGP odor from soil cuttings, soil is stained light gray.

955

UW	0	0	0	0	0.077
DW	0	0	0	0	0.080
E2	0	0	0	0	0.081

Glover installing well @ MP-1-7

1050

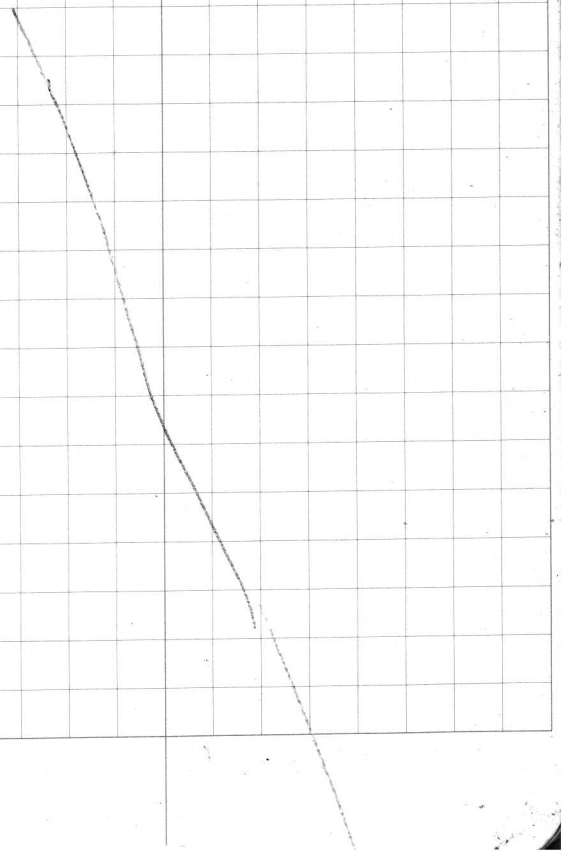
UW	0	0	0	0	0.085
DW	0	0	0	0	0.085
E2	0	0	0	0	0.081

Adding pellets + sand.

1/19/11

1140	HW	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.080
DW	0	0	0	0	0.082
E2	0	0	0	0	0.081

Hole ~~to~~ open, no activity
Lunch.



LIPA LIRR work
2/3/11 Thursday
weather: sunny, clear, 25°-35°
Light wind from N

800	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.017
DW	0	0	0	0	0.068
EZ	0	0	0	0	0.095

Activity: Using guzzler to clear 10' deep, 30" wide hole for LIPA electric pole installation. ~5' bgs so far
personnel: Ed Kmax, John Marchiretti, + Dominic

815					
EZ	0	0	0	0	0.017

F&N trying to clear out guzzler's nozzle.

830					
EZ	0	0	0	0	0.006

F&N clearing out guzzler's nozzle.

2/3/11

845	HCN	LEL	VOC	H_2S	DT
EZ	0	0	0	0	0.006

~~900~~ Clearing out guzzler nozzle

900 EZ					
EZ	0	0	0	0	0.011

Guzzling out hole ~ 6', resumed at 853.

915					
EZ	0	0	0	0	0.010

Nozzle clogged, trying to clear it.

930					
EZ	0	0	0	0	0.009

Workers on break

945					
EZ	0	0	0	0	0.012

Cleared out nozzle, now starting to guzzle soil

1000	0	0	0	0	0.011

Guzzling at 6'-7' bgs.

1015	0	0	0	0	0.009

Guzzling at 6'-7' bgs, trying to get through a hard layer.

2/3/11

	HCN	LEL	VOC	H_2S	DT
1030 EZ	0	0	0	0	0.011

Guzzling at 7'-8' bgs.

1045 EZ	0	0	0	0	0.011

Guzzler hose clogged, trying to clear it out

1100 EZ	0	0	0	0	0.289

Using air knife to widen hole at 6'bgs. Dust high, not sustained for > 15 min.

1105 EZ	0	0	0	0	0.048

Using air knife to widen hole ~4' bgs.

1115 EZ	0	0	0	0	0.011

~~Hooking guzzler up~~ Hooking guzzler up Hose

1125 EZ	0	0	0	0	0.008

Guzzling again at 6'-7'.

I leave to go w/ Bill Soffee to look for signs of contamination at hole near Intersection st.

2/3/11

1200 I return to Subject property. FAN have completed hole to 10'.

Air monitoring is ended. FAN spend rest of day cleaning up + setting up for next location.

2/4/11 Friday

weather: partly cloudy, 15°-25° ~~35°~~
wind light from West

830	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.034
DW	0	0	0	0	0.031
E2	0	0	0	0	0.044

Clearing location at 1'.

845					
E2	0	0	0	0	0.032

About 5' down on hole.

900					
E2	0	0	0	0	0.030

Coffee Break

915					
	0	0	0	0	0.082

Clearing at ~ 5'-6' bgs.

930					
	0	0	0	0	0.047

Clearing at ~5'-6' bgs.

945					
	0	0	0	0	0.054

Clearing 6'-7' bgs.

1000					
E2	0	0	0	0	0.033

Clearing @ 7'-8' bgs.

~~1010~~

2/4/11

1010	HCN	LEL	VOC	H_2S	DT
E2	0	0	0	0	0032

Hole completed, final reading for workarea. Air monitoring suspended as FTN cleans up.

1130 FTN has cleaned up at morning location + has gotten cars moved. Now they ~~have~~ clear the asphalt off of next location

1150 Removed asphalt, now begin using air knife + guzzler to clear a 30" hole to 10'.

Initially, work area is high in dust b/c of air knifing, will subside w/in 15 minutes, if not, will take a break.

1155	HCN	LEL	H_2S	VOC	DT
E2	0	0	0	0	~~0.052~~ 0.052

Clearing 1'-2' bgs.

2/4/11

1210	HCN	LEL	VOC	H_2S	DT
EZ	0	0	0	0	0.073

Clearing at 3'-4' bgs.

1220					
EZ	0	0	0	0	0.041

Breaking for lunch. At ab. at 3-4' bgs.

1300					
EZ	0	0	0	0	0.035

Work resumed at 1255

1315					
EZ	0	0	0	0	0.033

clearing at ~~3'-4'~~ 4'-5' bgs, very hard soil

1330					
EZ	0	0	0	0	0.029

clearing 4'-5' bgs.

1345					
EZ	0	0	0	0	0.049

clearing ~~3'-4' bgs~~. 5'-6' bgs.

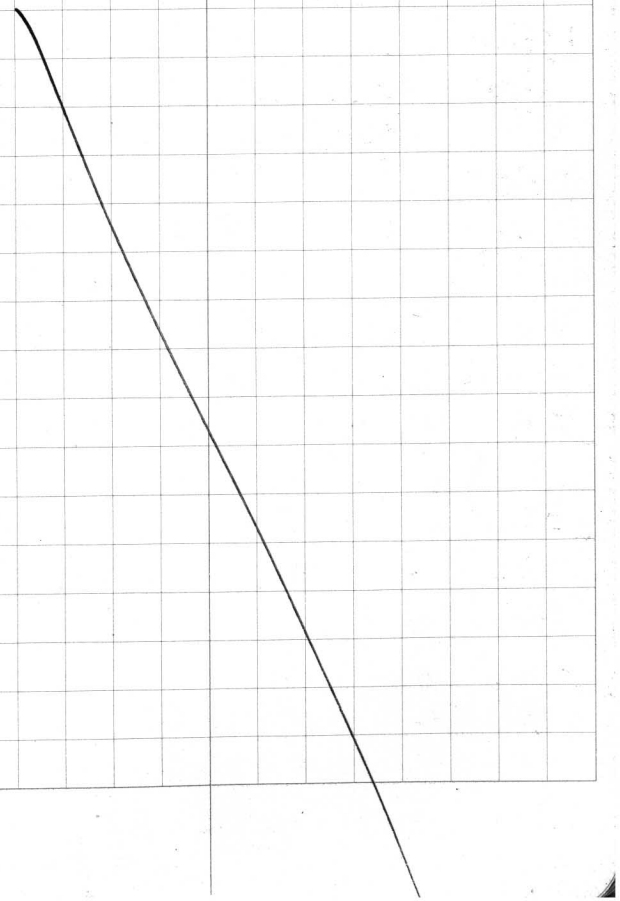
1400					
EZ	0	0	0	0	0.045

Clearing continues.

2/4/11

1445	HCN	LEL	VOC	H_2S	DT
EZ	0	0	0	0	0.041

Hole cleared to 10'. Now starting clean up + security of hole.
Air monitoring ended.



3/17/11 Thursday

Weather: clear + sunny, 50°-60°, light wind from N

700 IMD, arrives at National Grid, Hempstead for 1 day of drilling to replace three O_2 injection wells that don't work.

705 calibrate modified CAMP equipment.

MultiRae S/N 095-5175548
Pine # 08348
DustTrak S/N 23937
pump # 04348

835 Getting set up at OW-1-26S.

Background

HCN	LEL	VOC	H_2S	DT
0	0	0	0	0.027

Note: LEL span drift. variable will not be documented.

840 Start drilling OW-1-26S to 483'.

845 UW	0	N/A	0	0	0.037
DW	0	N/A	0	0	0.058
E2	0	N/A	0	0	0.077

Drilling 15'-20'.

Well cuttings 3/17/11

915	H_2S	LEL	VOC	HCN	DT
UW	0	N/A	0	0	0.028
DW	0	N/A	0	0	0.043
E2	0	N/A	0	0	0.035

Activities: Adding bentonite to build well

945					
UW	0	N/A	0	0	0.026
DW	0	↓	0	0	0.041
E2	0	↓	0	0	0.030

Grouting OW-1-26S

955 Grouting ended. CAMP suspended.

1015 Drilling at OW-1-51 starts. CAMP resumed.

1020					
UW	0	N/A	0	0	0.031
DW	0	↓	0	0	0.048
E2	0	↓	0	0	0.035

Drilling at 25' @ OW-1-51.

1050 ~~1050~~ 1100					
UW	0	N/A	0	0	0.028
DW	0	↓	0	0	0.041
E2	0	↓	0	0	0.035

Trying to pull casing out.

3/17/11 well redrills

1130	H_2S	LEL	VOC	HCN	DT
UW	0	N/A	0	0	0.023
DW	0	↓	0	0	0.045
E2	0	↓	0	0	0.026

Activity: Grouting DW-1-5/

1140 Grouting finished at DW-1-5/. CAMP suspended.

1240 Resume drilling

1255					
UW	0	N/A	0	0	0.018
DW	0	↓	0	0	0.021
E2	0	↓	0	0	0.097

Drilling at DW-1-16S at 50'.

1257 Drilled to depth, now installing PVC.

1345					
UW	0	N/A	0	0	0.018
DW	0	↓	0	0	0.030
E2	0	↓	0	0	0.045

Grouting DW-1-16S.

1355 Grouting finished. Work done for the day. CAMP ended.

4/28/11 Thursday

Task: Drilling 4 MW's in Hempstead South of System #1

Weather: overcast, 58°-65°, mod wind w/ strong gusts from S/SW forecasting rain + thunder/lightning

830	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.015
E2	0	0	0	0	0.016
DW	0	0	0	0	0.013

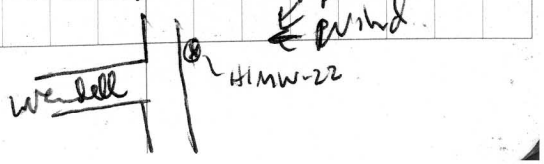
Hand clearing to 5' MW location near HISB-106.

900					
UW	0	0	0	0	0.015
E2	0	0	0	0	0.095
DW	0	0	0	0	0.066

Drilling MW location near HISB-106 at 25'.

940 CAMP suspended b/c of work delay due to wrong screen size (heavy) + rain.

1045 CAMP resumed



4/28/11

1045	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.018
DW	0	0	0	0	0.022
E2	0	0	0	0	0.025

Hand clearing on Wendell St.

1110					
UW	0	0	0	0	0.018
DW	0	0	0	0	0.069
E2	0	0	0	0	0.088

installing well near H/SB-106 + removing casing (H/MW-22)

1200					
UW	0	0	0	0	0.018
DW	0	0	0	0	0.032
E2	0	0	0	0	0.020

Grouting H/MW-22.

1222 Grouted H/MW-22. Pause CAMP.

1315 CAMP resumed.

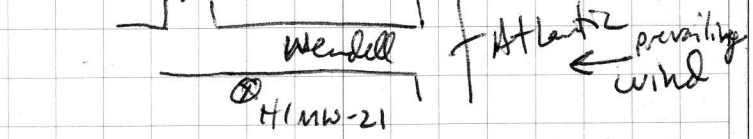
1335					
UW	0	0	0	0	0.021
DW	0	0	0	0	0.032
E2	0	0	0	0	0.021

Glacier drilling H/MW-21 (on Wendell St) @ 25'

4/28/11

1415	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.025
DW	0	0	0	0	0.069
E2	0	0	0	0	0.025

Adding sand to well H/MW-21



1505					
UW	0	0	0	0	0.021
DW	0	0	0	0	0.025
E2	0	0	0	0	0.021

Grouting H/MW-21

1535 Grouting finished.
CAMP ended for the day.

4/29/11 Friday

Weather: sunny, light wind from South, 60°-70°

800 Start hand clearing HISB-23

810

	HCN	LEL	VOL	H_2S	DT
UW	0	0	0	0	0.012
DW	0	0	0	0	0.014
E2	0	0	0	0	0.018

830 Hand clearing finished. Camp paused.

915 resume camp as Glacier gets set up.

930 Drilling HISB-23 start w/augers.

954

UW	0	0	0	0	0.006
DW	0	0	0	0	0.018
E2	0	0	0	0	0.036

Drilling 20'-25'.

1037

UW	0	0	0	0	0.012
DW	0	0	0	0	0.038
E2	0	0	0	0	0.021

Drilling ~~20-25~~ 65'-70'.

4/29/11

1130

	HCN	LEL	VOL	H_2S	DT
UW	0	0	0	0	0.011
DW	0	0	0	0	0.022
E2	0	0	0	0	0.020

~~Put~~ Trying to lower PVC well to depth.

1225

UW	0	0	0	0	0.020
DW	0	0	0	0	0.017
E2	0	0	0	0	0.015

Adding sand (#00).

1320

UW	0	0	0	0	0.012
DW	0	0	0	0	0.015
E2	0	0	0	0	0.016

Prepping to grout.

1405

UW	0	0	0	0	0.011
DW	0	0	0	0	0.021
E2	0	0	0	0	0.022

Grouting HISB-23.

4/29/11

1440 Removing augers + grouting

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.015
DW	0	0	0	0	0.018
E2	0	0	0	0	0.014

Augers at 10' bgs.

1600 CAMP resumed

1607 UW	0	0	0	0	0.015
DW	0	0	0	0	0.061
E2	0	0	0	0	0.039

Drilling HISB-24 @ 15'

1645

UW	0	0	0	0	0.021
DW	0	0	0	0	0.052
E2	0	0	0	0	0.090

Drilling at HISB-24 @ 63'

1735

UW	0	0	0	0	0.018
DW	0	0	0	0	0.022
E2	0	0	0	0	0.021

~~Drilli~~ Grouting HISB-24 — Failure.

1800 CAMP ended.

5/18/11 on-site ISS pre-waste characte. sampling

weather: overcast, periodic showers 60°, light wind from W.

950	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.022
DW	0	0	0	0	0.033
E2	0	0	0	0	0.037

Buzzling at SW corner of C3. 0-2, handclearing during readings.

1040					
UW	0	0	0	0	0.025
DW	0	0	0	0	0.038
E2	0	0	0	0	0.035

Hand clearing C3-1 1-2

1130					
UW	0	0	0	0	0.037
DW	0	0	0	0	0.052
E2	0	0	0	0	0.047

Buzzling C3-1 2-3.

12-13°° Lunch

1310					
UW	0	0	0	0	0.021
DW	0	0	0	0	0.025
E2	0	0	0	0	0.031

clearing C3-2 2-3'

5/18/11

	HCN	H_2S	LEL	VOC	DT
1400					
UW	0	0	0	0	0.014
DW	0	0	0	0	0.014
E2	0	0	0	0	0.015

C3-2 sampling composite.

1445					
UW	0	0	0	0	0.014
DW	0	0	0	0	0.016
E2	0	0	0	0	0.016

C3-3 hand augering 2-3

1520 Sampling finished.
Cans suspended

5/19/11 Sampling for ISS waste charact.

weather: overcast, humid, 60°-65° periodic rain

830	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.048
DW	0	0	0	0	0.048
E2	0	0	0	0	0.047

Start clearing C3-5 from grade.

920					
UW	0	0	0	0	0.051
DW	0	0	0	0	0.048
E2	0	0	0	0	0.053

sampling C3-5

950-1005 Coffee Break

1020					
UW	0	0	0	0	0.043
DW	0	0	0	0	0.052
E2	0	0	0	0	0.048

Clearing C3-4 #1-2

1130					
UW	0	0	0	0	0.048
DW	0	0	0	0	0.055
E2	0	0	0	0	0.069

after moving over to C3, jack hammering C3-6.

5/19/11

1155 - 1230 Lunch

1240	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.048
DW	0	0	0	0	0.052
E2	0	0	0	0	0.051

Hand clearing C3-6 at 3'-4'.

1315 Finish C3-6, move C3-8.

1330					
UW	0	0	0	0	0.027
DW	0	0	0	0	0.043
E2	0	0	0	0	0.016

clearing C3-8 2'-3'

1412					
UW	0	0	0	0	0.029
DW	0	0	0	0	0.044
E2	0	0	0	0	0.037

clearing ←4 C3-9 0'-1

1500					
UW	0	0	0	0	0.025
DW	0	0	0	0	0.045
E2	0	0	0	0	0.029

clearing C3-7 2'-3'

1520 CAMP ended.

5/20/11

weather: overcast, 60°, wind light from S

800 start clearing C3-10.

810	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.066
DW	0	0	0	0	0.068
E2	0	0	0	0	0.070

clearing C3-10 1'-2'.

900					
UW	0	0	0	0	0.066
DW	0	0	0	0	0.068
E2	0	0	0	0	0.060

Coffee break

950					
UW	0	0	0	0	0.056
DW	0	0	0	0	0.062
E2	0	0	0	0	0.057

clearing C2-3

1040					
UW	0	0	0	0	0.066
DW	0	0	0	0	0.076
E2	0	0	0	0	0.053

clearing C2-2 1'-2'

5/20/11

1120	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.065
DW	0	0	0	0	0.075
E2	0	0	0	0	0.082

sampling done, hole being backfilled (C2-2)

1150-1240 Lunch break

1250					
UW	0	0	0	0	0.067
DW	0	0	0	0	0.054
E2	0	0	0	0	0.073

clearing C2-1

1340					
UW	0	0	0	0	0.061
DW	0	0	0	0	0.059
E2	0	0	0	0	0.066

clearing C2-10 at 2-3

1430					
UW	0	0	0	0	0.062
DW	0	0	0	0	0.063
E2	0	0	0	0	0.064

sampling C2-4

5/23/11 - Monday

weather: overcast, 58°, periods of rain

805	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.025
DW	0	0	0	0	0.033
E2	0	0	0	0	0.035

clearing C2-5 @ 1-2'

808 Lt. rain starts staff gets raingear on.

855					
UW	0	0	0	0	0.020
DW	0	0	0	0	0.025
E2	0	0	0	0	0.029

clearing C2-5 4-5

930 Amp suspended after sampling C2-5.

1100 Amp resumed - clearing C2-9.

1110					
UW	0	0	0	0	0.020
DW	0	0	0	0	0.020
E2	0	0	0	0	0.020

clearing C2-9 2-3

5/23/11

1145 - 1245 Break for lunch

1300	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.025
DW	0	0	0	0	0.028
EZ	0	0	0	0	027

Clearing ~~C10~~ C2-10.

1355					
UW	0	0	0	0	0.032
DW	0	0	0	0	0.036
EZ	0	0	0	0	0.038

Start clearing C2-7

1445					
UW	0	0	0	0	0.034
DW	0	0	0	0	0.038
EZ	0	0	0	0	0.035

Backfilling C2-7.

1500 Crew ended after jackhammering

5/24/11 Wesday

weather: overcast, foggy, 60°-80°

8[10]	HCN	H_2S	LEL	VOC	DT
UW	0	0	0	0	0.170
DW	0	0	0	0	0.177
EZ	0	0	0	0	0.161

Clearing C2-6.

850					
UW	0	0	0	0	0.145
DW	0	0	0	0	0.144
EZ	0	0	0	0	0.152

Clearing C2-8 w/ Vactruck

930 Break for coffee.

1030 Break + Mapping over

1055					
UW	0	0	0	0	0.113
EZ	0	0	0	0	0.111
DW	0	0	0	0	0.106

Clearing C5-9[2,3] after 2 refusals on concrete

1130 C5-9 Cleared. Now dumping spoils from Vactruck

1140

5/24/11

	HCN	LEL	VOC	H_2S	DT
1140					
UW	0	0	0	0	0.110
DW	0	0	0	0	0107
E2	0	0	0	0	0.115

Dumping soil.

1230					
UW	0	0	0	0	0.093
DW	0	0	0	0	0.095
E2	0	0	0	0	0.107

clearing C5-10+
trying to get vac-truck to produce vacuum.

1240-1310 Lunch

1320 clearing C2-10

1330					
UW	0	0	0	0	0.065
DW	0	0	0	0	0.068
E2	0	0	0	0	0.066

clearing C2-10 2-3

1410					
UW	0	0	0	0	0.032
DW	0	0	0	0	0.035
E2	0	0	0	0	0.042

clearing C2-10 4-5

1425 Can I ended for the day.

5/25/11 Wed.

pre constr. waste charact.
weather: sunny, 70°-85°

750	HCN	H_2S	LEL	VOC	DT
UW	0	0	0	0	0.053
DW	0	0	0	0	0.055
E2	0	0	0	0	0.058

clearing C5-7

840					
UW	0	0	0	0	0.031
DW	0	0	0	0	0.047
E2	0	0	0	0	0.030

clearing C5-8 1-2

930-950 Break

950 start clearing C5-6

1000					
UW	0	0	0	0	0.023
DW	0	0	0	0	0.025
E2	0	0	0	0	0.021

clearing C5-6 1-2.

1025					
UW	0	0	0	0	0.023
DW	0	0	0	0	0.025
E2	0	0	0	0	0.027

clearing C5-6 4-5
(strong MIP odor)

5/25/11

1115	HCN	H_2S	LEL	VOC	DT
UW	0	0	0	0	0.027
DW	0	0	0	0	0.042
E2	0	0	0	0	0.055

Clearing C5-5 @ 3-4'

1155 Break for lunch.

1245 Resume clearing.

1310					
UW	0	0	0	0	0.027
DW	0	0	0	0	0.044
E2	0	0	0	0	0.055

Clearing C5-4(2) @ 1-2'

1405					
UW	0	0	0	0	0.059
DW	0	0	0	0	0.045
E2	0	0	0	0	0.038

Clearing C5-2 3-4

THURS. 5/26/11

weather: 63° rain - foggy, cloudy, 65°, no wind

705	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.062
DW	0	0	0	0	0.064
E2	0	0	0	0	0.068

Clearing C5-3(2).

800					
UW	0	0	0	0	0.069
DW	0	0	0	0	0.074
E2	0	0	0	0	0.085

~~clear~~ sampling C5-3(3), location in weed - creates dust.

830					
UW	0	0	0	0	0.067
DW	0	0	0	0	0.071
E2	0	0	0	0	0.068

Clearing C5-1

920 Break for coffee.

950 start clearing C5-5(3)

→

5/26/11

Weather: hazy, hot, no wind, 75°-80°

1005	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.080
DW	0	0	0	0	0.083
E2	0	0	0	0	0.084

clearing C5-5(3) 1-2

1050					
UW	0	0	0	0	0.076
DW	0	0	0	0	0.099
E2	0	0	0	0	0.110

Backfilling C5-5(3)

1145					
UW	0	0	0	0	0.069
DW	0	0	0	0	0.111
E2	0	0	0	0	0.101

Clearing C6-3.

1210 Break for lunch

1345					
UW	0	0	0	0	0.066
DW	0	0	0	0	0.068
E2	0	0	0	0	0.074

Clearing C6-6 1-2'

1350 Sampling completed Camp ended for the day.

Friday 5/27/11

Weather: hazy → sunny 65°-80°, little to no wind.

810	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.110
DW	0	0	0	0	0.169
E2	0	0	0	0	0.155

Activity: clearing C6-1 0-1'

845					
UW	0	0	0	0	0.092
DW	0	0	0	0	0.110
E2	0	0	0	0	0.115

Activity clearing C6-1 3.5'-4' w/ vactruck.

940					
UW	0	0	0	0	0.092
DW	0	0	0	0	0.135
E2	0	0	0	0	0.122

Clearing C6-2 1-2

1035					
UW	0	0	0	0	0.089
DW	0	0	0	0	0.146
E2	0	0	0	0	0.120

Clearing C6-4 1-2

5/27/11

1110 Suspend CAMP.
1150 Resume CAMP

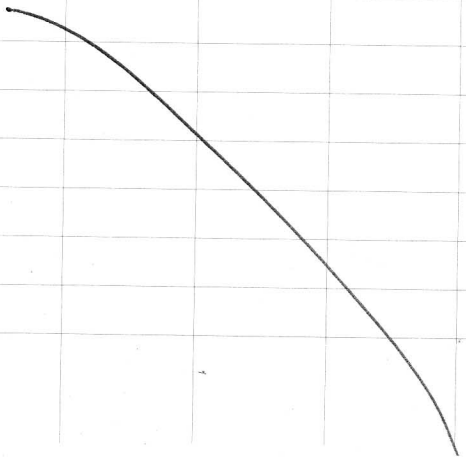
1210	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.090
DW	0	0	0	0	0.136
E2	0	0	0	0	0.140

Clearing C6-2 (8) w/ Backhoe

1305					
UW	0	0	0	0	0.109
DW	0	0	0	0	0.132
E2	0	0	0	0	0.115

Clearing C6-5

1350 CAMP ended.
Last IS here -
done for today.



5/31/11 Tuesday

Weather: sunny - 70°-85°, hot, humid

830	Start clearing C1-2.				
845 ~~DW~~	HCN	H_2S	LEL	VOC	ΔT
UW	0	0	0	0	0.039
DW	0	0	0	0	0.044
E2	0	0	0	0	0.046

Clearing ~~C2-1~~ C1-2.

940					
UW	0	0	0	0	0.069
DW	0	0	0	0	0.078
E2	0	0	0	0	0.082

Clearing C1-1.

1025					
UW	0	0	0	0	0.070
DW	0	0	0	0	0.085
E2	0	0	0	0	0.099

Backfilling C1-1

1120					
UW	0	0	0	0	0.071
DW	0	0	0	0	0.095
E2	0	0	0	0	0.101

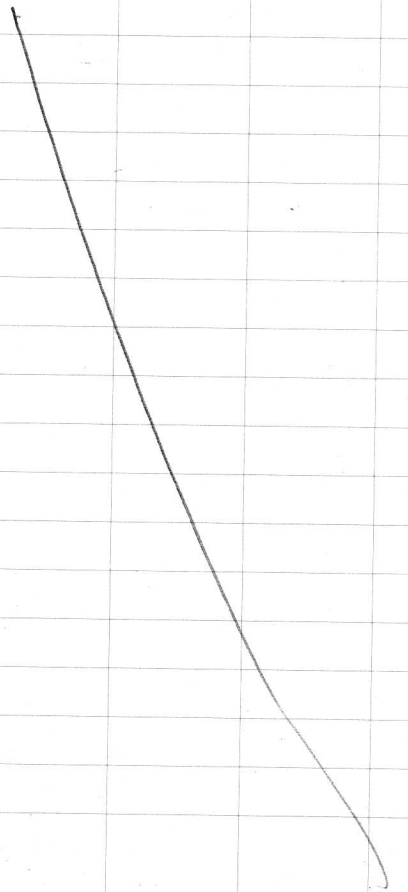
Clearing C1-8, in weeds - lots of pollen.

5/31/11

12/300 Lunch break

1320	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.052
DW	0	0	0	0	0.091
E2	0	0	0	0	0.068

Clearing C1-7.



6/2/11 Thurs.

weather: sunny, 65°-75°, light wind from N

7[10] Calibrated MR + DT.

7[45] start clearing

800	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.025
DW	0	0	0	0	0.023
E2	0	0	0	0	0.023

Clearing C1-10 @ 1-2'.

855

UW	0	0	0	0	0.053
DW	0	0	0	0	0.042
E2	0	0	0	0	0.037

Clearing C1-9 @ 1-2'.

Lawn Lady mowed in parket N

945 Moving trucks, no intrusive work. ~~dig~~ Airs suspended.

1020

UW	0	0	0	0	0.041
DW	0	0	0	0	0.067
E2	0	0	0	0	0.048

Clearing C1-3 @ 1-2'

→

6/2/11

1053	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.041
DW	0	0	0	0	0.081
E2	0	0	0	0	0.057

Clearing C1-3(2) 2-3 w/ buzzer

1140	UW	0	0	0	0	0.042
	DW	0	0	0	0	0.063
	E2	0	0	0	0	0.055

Clearing C1-3(2) 2-3 w/ hand auger

12-1235 Lunch.

1258					
UW	0	0	0	0	0.041
DW	0	0	0	0	0.078
E2	0	0	0	0	0.054

Clearing C1-6

1355					
UW	0	0	0	0	0.036
DW	0	0	0	0	0.104
E2	0	0	0	0	0.075

Clearing C1-5 @ 1'-2'.

Weather: Strong wind alt. from NtW. Sunny 75°

1415 Body down Suspended

6/3/11

Sunny. 65°-75°. mod-strong wind from NtW

905	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.033
DW	0	0	0	0	0.059
E2	0	0	0	0	0.065

Clearing C1-4 2-3

950 C1-4 backfilled, CAM suspended as F&N moves to C4 area.

Paperwork in trailer

Dust trak having problems. Unusable, no readings. Pine will deliver a replacement 6/6

1050					
UW	0	0	0	0	No
DW	0	0	0	0	W3.26
E2	0	0	0	0	dust

Clearing C4-10 1'-2'. No Dust Trak - equipment broken.

1150					
UW	0	0	0	0	No
DW	0	0	0	0	W3.26
E2	0	0	0	0	dust

Clearing C4-9 0'-1'.

6/3/11

1245-1310 Lunch

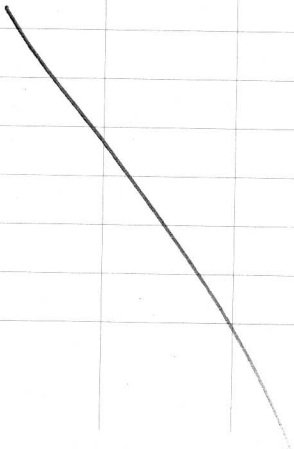
1320	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	ND
DW	0	0	0	0	V13,16
E2	0	0	0	0	dust

Clearing C4-8 @ 1-2

1355					
UW	0	0	0	0	No visible
DW	0	0	0	0	dust
E2	0	0	0	0	

~~de~~ Backfilling C4-8

1405 Finished. Amp ended.



6/6/11 Monday

weather: sunny, 63°-78°, little to no wind, 8mm wind light from N/NE

7[35] start clearing C4-7.

745	HCN	H_2S	LEL	VOC	DT
UW	0	0	0	0	ND
DW	0	0	0	0	Dust
E2	0	0	0	0	Truck

clearing C4-7.

845					
UW	0	0	0	0	0.016
DW	0	0	0	0	0.021
E2	0	0	0	0	0.019

clearing C4-6 1-2

915-945 Coffee Break

950 start clearing C4-5.

1000					
UW	0	0	0	0	0.014
DW	0	0	0	0	0.025
E2	0	0	0	0	0.032

clearing C4-5 0'-1'

1020					
UW	0	0	0	0	0.015
DW	0	0	0	0	0.048
E2	0	0	0	0	0.054

clearing C4-5(2) 0'-1'

6/6/11

1105	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.020
DW	0	0	0	0	0.095
E2	0	0	0	0	0.085

Backfilling C4-5(2)

1150					
UW	0	0	0	0	0.017
DW	0	0	0	0	0.087
E2	0	0	0	0	0.042

Clearing C4-4 0-1'

1210 Break for lunch.

1300 Resume clearing C4-4 w/ Backhoe & jackhammer.

1310					
UW	0	0	0	0	0.017
DW	0	0	0	0	0.023
E2	0	0	0	0	0.025
1400					
UW	0	0	0	0	0.016
DW	0	0	0	0	0.062
E2	0	0	0	0	0.068

1420 clearing ended for the day. C4-4 not finished.

6/7/11 - Tuesday

weather: sunny, light wind from N 70°-88°

805	HCN	LEL	VOC	H_2S	
UW	0	0	0	0	0.053
DW	0	0	0	0	0.126
E2	0	0	0	0	0.082

Clearing C7-5 (in SE corner of site near fence)

840					
UW	0	0	0	0	0.051
DW	0	0	0	0	0.079
E2	0	0	0	0	0.054

Clearing C7-6, 1'-2'

925-950 Break

950 Start clearing C7-7

1005					
UW	0	0	0	0	0.037
DW	0	0	0	0	0.056
E2	0	0	0	0	0.065

Clearing C7-4

1100					
UW	0	0	0	0	0.038
DW	0	0	0	0	0.042
E2	0	0	0	0	0.058

clearing C7-7(2)

6/7/11 Tuesday

1145	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.042
DW	0	0	0	0	0.067
E2	0	0	0	0	0.055

clearing C7-7 (3).

1240 Lunch

1245 start clearing C7-8

1310	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.037
DW	0	0	0	0	0.074
E2	0	0	0	0	0.088

clearing C7-8 1-2'

1405					
UW	0	0	0	0	0.045
DW	0	0	0	0	0.075
E2	0	0	0	0	0.062

clearing C7-8

1500

cleaned up. Amp ended.

6/8/11 Wednesday

weather: sunny, hot, humid. 80°-97°, light wind from N.

710	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.112
DW	0	0	0	0	0.116
E2	0	0	0	0	0.152

Work is clearing C7-1, 0-1' in weeds, pollen high humidity.

750					
UW	0	0	0	0	0.083
DW	0	0	0	0	0.082
E2	0	0	0	0	0.091

clearing C7-1 2-3'.

810 Cleared C7-1 to 5'. Camp suspended.

830 Camp resumed as FLN start using bam attachment to get through C4-4 Concrete floor slab.

→

6/8/11

835	HCN	LEL	H_2S	VOC	DT
UW	0	0	0	0	0.058
DW	0	0	0	0	0.073
E2	0	0	0	0	0.099

Ramming C4-4 to get through concrete + bricks.

930					
UW	0	0	0	0	0.046
DW	0	0	0	0	0.092
E2	0	0	0	0	0.107

Ramming C4-4 @ 4' - still concrete.

1030					
UW	0	0	0	0	0.046
DW	0	0	0	0	0.052
E2	0	0	0	0	0.050

Curbing C4-4

1105					
UW	0	0	0	0	0.044
DW	0	0	0	0	0.046
E2	0	0	0	0	0.040

Clearing D-3.

1154					
UW	0	0	0	0	0.048
DW	0	0	0	0	0.051
E2	0	0	0	0	0.052

Clearing D-2

6/8/11

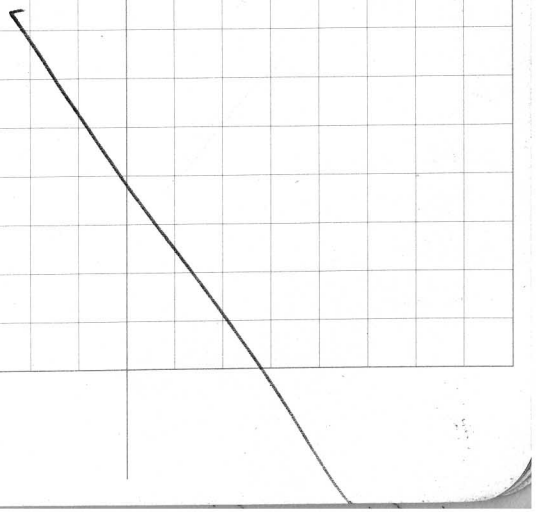
1250	HCN	H_2S	LEL	VOC	DT
UW	0	0	0	0	0.046
DW	0	0	0	0	0.062
E2	0	0	0	0	0.057

Clearing C4-2.

1340					
UW	0	0	0	0	0.069
DW	0	0	0	0	0.075
E2	0	0	0	0	0.076

Loading skid steer up

1400 skid steer loaded, area cleaned up, locations left open w/ cones around them. suspended.



6/9/11 Thursday

weather: Sunny, hot, humid
75°-99°, little wind from E

7:00	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.111
DW	0	0	0	0	0.112
E2	0	0	0	0	0.113

clearing C4-4(2) & 3-4'

7:35					
VW	0	0	0	0	0.108
DW	0	0	0	0	0.167
E2	0	0	0	0	0.111

clearing C4-3 @2-3'.

8:25					
VW	0	0	0	0	0.102
DW	0	0	0	0	0.109
E2	0	0	0	0	0.120

Jackhammering concrete slab at C4-3 @27" bgs.

9:20					
VW	0	0	0	0	0.101
DW	0	0	0	0	0.108
E2	0	0	0	0	0.121

Sampling C4-1

6/9/11

9:45-10:20 Break for coffee.

10:25	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.098
DW	0	0	0	0	0.168
E2	0	0	0	0	0.113

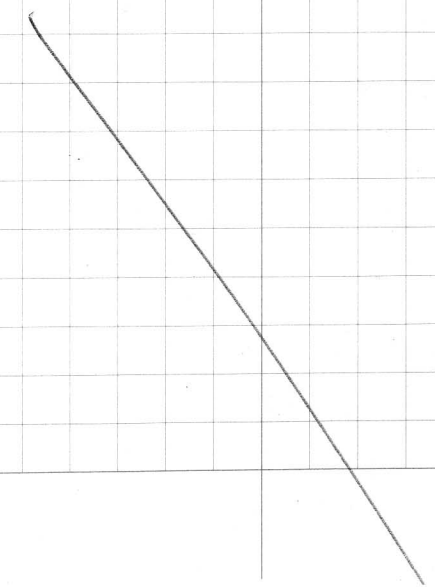
clearing C4-2

11:15					
VW	0	0	0	0	0.092
DW	0	0	0	0	0.121
E2	0	0	0	0	0.120

clearing C4-2 4-5'

12:10 Break for lunch.

Completed for the day



6/10/11

weather: 70°-80°, sunny, hazy, little wind from N.

845	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.054
DW	0	0	0	0	0.054
E2	0	0	0	0	0.054

Clearing C7-4 to 1'-2'

1015					
UW	0	0	0	0	0.042
DW	0	0	0	0	0.061
E2	0	0	0	0	0.051

Backhoeing C7-10 location

1055					
UW	0	0	0	0	0.041
DW	0	0	0	0	0.046
E2	0	0	0	0	0.043

Clearing C7-10(2)

1145					
UW	0	0	0	0	0.041
DW	0	0	0	0	0.042
E2	0	0	0	0	0.041

Clearing C7-9 2-3

6/10/11

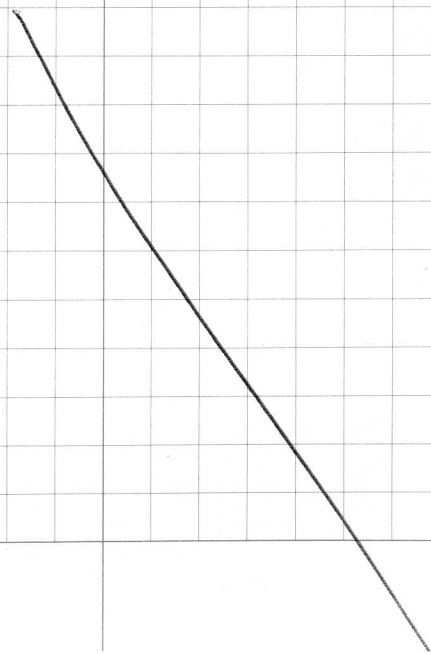
1220	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.041
DW	0	0	0	0	0.051
E2	0	0	0	0	0.051

Clearing C7-8 2-3

1235 Finish clearing C7-8 to 5'

Now break for lunch then start demob activities.

Suspended for the day.



6/13/11 Monday
weather: overcast 60°-75°
little to no wind

935	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.009
DW	0	0	0	0	0.010
E2	0	0	0	0	0008

Drilling 15-20 ~~C7-5~~

1020					
UW	0	0	0	0	0.010
DW	0	0	0	0	0.009
~~E2~~	0	0	0	0	0.009

Sampling ~~E5-7~~ C7-5

1035 Break while I get ice.
Pike comes, ice postponed,
1050 start drilling ~~C7~~-6.
1055

UW	0	0	0	0	0.010
DW	0	0	0	0	0.015
E2	0	0	0	0	0.014

Drilling 10'-15' C7-6

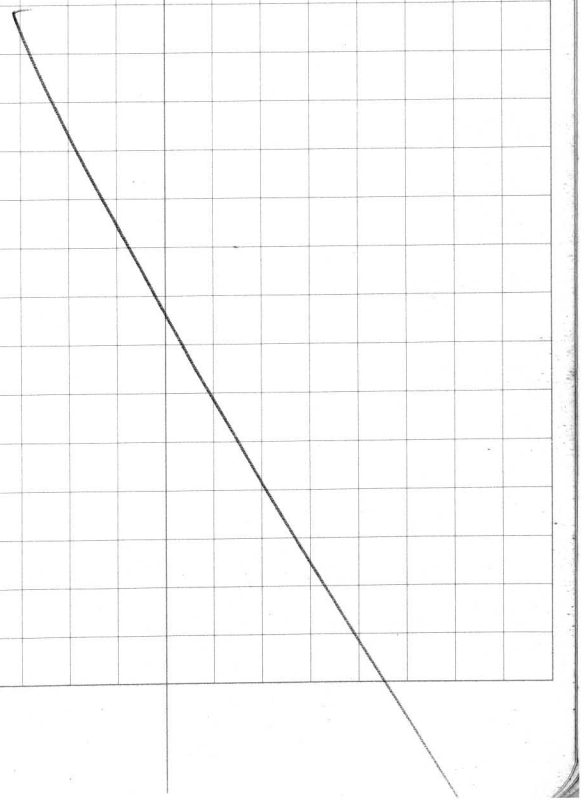
1150 Break for lunch.
1240 Lunch over

6/13/11

1310	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.018
DW	0	0	0	0	0.025
E2	0	0	0	0	0.019

Drilling 10-15 on C7-7

1350 Samples picked up by the lab. Holes backfilled. Came ended.



6/14/11 Tuesday

weather: onecast - partly cloudy, 60°-68°, light N wind

825	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.017
DW	0	0	0	0	0.018
E2	0	0	0	0	0.021

Drilling 10-15 on C7-8.

920					
UW	0	0	0	0	0.007
DW	0	0	0	0	0.008
E2	0	0	0	0	0.008

C7-2 clearing at 2'.

945					
UW	0	0	0	0	0.007
DW	0	0	0	0	0.011
E2	0	0	0	0	0.013

C7-2(2) clearing at 1-2'

1030					
UW	0	0	0	0	0.005
DW	0	0	0	0	0.008
E2	0	0	0	0	0.012

C7-8, drilling 25-30

6/14/11

1130	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.006
DW	0	0	0	0	0.007
E2	0	0	0	0	0.009

Drilling C7-9

1155 - 1250 Lunch

1330					
UW	0	0	0	0	0.012
DW	0	0	0	0	0.009
E2	0	0	0	0	0.008

Retrieving sample C7-10 10-15'

1408					
UW	0	0	0	0	0.010
DW	0	0	0	0	0.037
E2	0	0	0	1.0	0.044

Retrieving sample C7-10 25-30

1450					
UW	0	0	0	0	0.011
DW	0	0	0	0	0.025
E2	0	0	0	0	0.019

Clearing C7-3 to 2'

Cleared to 2' only

1520 Completed

6/15/11 Wed

Weather: 60°-80°, sunny, light wind from NE

1020	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.010
DW	0	0	0	0	0.014
E2	0	0	0	0	0.016

Drilling C7-1 @ 20-25

1100 Camp suspended.

1245 Camp resumed

1315					
UW	0	0	0	0	0.012
DW	0	0	0	0	0.024
E2	0	0	0	0	0.052

Drilling C7-2 25-30

1345-1400 Break, Camp suspended

1415					
UW	0	0	0	0	0.025
DW	0	0	0	0	0.041
E2	0	0	0	0	0.040

Clearing C7-3(2)

1505 Cleared to 5', Camp ended.

6/16/11 Thurs.

Weather: partly cloudy 60°-80°, light wind from N.

820	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.039
DW	0	0	0	0	0.042
E2	0	0	0	0	0.038

Retrieving C7-3 15-20.

930					
UW	0	0	0	0	0.037
DW	0	0	0	0	0.038
E2	0	0	0	0	0.041

Retrieving C7-4 10-15

1015					
UW	0	0	0	0	0.039
DW	0	0	0	0	0.042
E2	0	0	0	0	0.067

Retrieving C7-4 25-30

1050 Camp suspended.

1125 Resume after break

1140					
UW	0	0	0	0	0.038
DW	0	0	0	0	0.041
E2	0	0	0	0	0.054

Clearing B-2 2-3.

6/16/11

1200 Break for lunch

1300 Back from Lunch

1315	H2N	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.034
DW	0	0	0	0	0.044
E2	0	0	0	0	0.042

Drilling B-2 10-14

1410					
UW	0	0	0	0	0.033
DW	0	0	0	0	0.038
E2	0	0	0	0	0.041

Sampling B-2.

1430 Hole backfilled.

Cleaning up + sample finalization work.

Camp ended.

6/17/11 Friday

Weather: sunny, 70°-80°, light wind from S

715 Calibrate MKs + DT.

905	H2N	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.031
DW	0	0	0	0	0.031
E2	0	0	0	0	0.034

Clearing B-1 2-3

955					
UW	0	0	0	0	0.032
DW	0	0	0	0	0.031
E2	0	0	0	0	0.033

Retrieved sample B-1(2) 10-14

1050					
UW	0	0	0	0	0.033
DW	0	0	0	0	0.037
E2	0	0	0	0	0.034

Drilling E1 5-10

1140					
UW	0	0	0	0	0.030
DW	0	0	0	0	0.035
E2	0	0	0	0	0.030

Backfilling E1.

1225 sampling finished.

Camp ended.

5/28/10 - Friday 65°-70°

weather: sunny, hazy,
wind light from SE + S, variable

710 MD arrives on site, calibrates instruments:

DustTrak 8520 pump# 12760
S/N 15002
✓ zeroed

MultiRae pump# 07326
S/N# 095-517670
✓ fresh air calibrated

MultiGas span lot# 011610 exp 3/23/11
H_2S = 25 O_2 = 20.9
LEL = 50

Isobutylene span lot# 012400 exp 4/11
VOC = 99.8

HCN span lot# 922167 exp 6/18/10
HCN = 10

820 Background readings →

5/28/10 Mitchel Park
OW-2-43

	HCN	LEL	VOC	H_2S	DT
820 Background CAMP reading.					
UW	0	0	0	0	0.019
DW	0	0	0	0	0.017
E2	0	0	0	0	0.021
838 Drilling @ OW-2-43 ~~Logging~~					
840					
UW	0	0	0.0	0	0.014
DW	0	0	0.2	0	0.026
E2	0	0	0.3	0	0.087
Drilling 5'-10'.					
910					
UW	0	0	0	0	0.011
DW	0	0	0	0	0.013
E2	0	0	0	0	0.012
Drilling @ 57'					
940					
UW	0	0	0	0	0.014
DW	0	0	0	0	0.013
E2	0	0	0	0	0.014
adding sand to well					

5/28/10 Mitchel Park
OW-2-43

1010	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.014
DW	0	0	0	0	0.015
E2	0	0	0	0	0.014

waiting for bentonite to settle + swell.

1032 start mixing grout

1040

UW	0	0	0	0	0.014
DW	0	0	0	0	0.092
E2	0	0	0	0	0.043

mixing grout. Grout getting poured into grout mixer creates dust, but temporary elevated levels, not contaminated material.

1043 Injecting grout, mixing stopped.

1100 Location grouted. Now cleaning up. CAMP suspended.

June 1, 2010 Tuesday
(day after Mem. Day)
weather: sunny, 72°-85°.
wind light from

7:00 MD + F&N - Kevin + Matt arrive.
7:10 MD calibrates LAMP equip.

Zero Dust Trak pump # 12760

Calibrate Multirae
~~Matt~~ fresh air ✓
multi gas lot# 011610 exp date 3/23/11
H_2S: 25 O_2: 20.9
LEL: 49
Isobutylene lot # 012400 exp 4/11
VOC: 100
HCN lot # 922167 exp date 6/18/10
HCN: 10

8:00 Background Level

	HCN	LEL	VOC	H_2S	DT
DW	0	0	0	0	0.057

6/1/10 OW-2-42

8:22 Start drilling.

8:30	HCN	LEL	VOC	H_2S	DT
DW	0	0	0	0	0.083
UW	0	0	0	0	0.042
E2	0	0	0	0	0.079

Drilling ~17'. No problems.

9:00					
DW	0	0	0	0	0.035
UW	0	0	0	0	0.032
E2	0	0	0	0	0.038

Drilled to 61.6'. Now install the well.

9:30					
DW	0	0	0	0	0.047
UW	0	0	0	0	0.037
E2	0	0	0	0	0.116

Begin drilling OW-2-41

6/1/10
OW-2-41

1000	HCN	LEL	VOC	H_2S	DT
DW	0	0	0	0	0.053
UW	0	0	0	0	0.038
E2	0	0	0	0	0.049

Drilling @ 55' @ OW-2-41.

weather update:
sunny, hot, 80°, wind light variable from S + E + SE.

1030					
DW	0	0	0	0	0.035
UW	0	0	0	0	0.036
E2	0	0	0	0	0.033

Add bentonite pellets to drilled in & filled well.

1045 F&N break for lunch.
1140 lunch over, prepping grout
1200

DW	0	0	0	0	0.034
UW	0	0	0	0	0.033
E2	0	0	0	0	0.032

prepping grout mix.

6/1/10
OW grouting

1235	HCN	LEL	VOC	H_2S	DT
DW	0	0	0	0	0.045
UW	0	0	0	0	0.032
E2	0	0	0	0	0.048

Removing rods from OW-2-41 + grouting

1300					
DW	0	0	0	0	0.104
UW	0	0	0	0	0.033
E2	0	0	0	0	0.043

grouting OW-2-42 + removing rods,
DW dust generated by grout mixer.

1305 Grouting OW-2-42 completed.
CAMP ended for today.

YQ Resol.

June 2, 2010 CAMP

Wed. ~~Tues~~ day Meirschel Park

weather: sunny, 75°-85°, humid, wind light, variable from E + N

700 F&N Kevin + Matt arrive, URS - Megan arrives.

705 Calibrate CAMP equip.

Dust Trak pump# 12760
use zero filter

multi Rae pump# 07326
(for span gas info, see June 1)

H_2S = 24 VOC = 99.8
LEL = 49 HCN = 10
O_2 = 20.9

830 Background

HCN	LEL	VOC	HCN	DT
0	0	0	0	0.030

~~#~~535 Drilling begins at OW-2-40.

6/2/10 CAMP

OW-2-40 // OW-2-39

	HCN	LEL	VOC	HCN	DT
845					
UW	0	0	0	0	0.024
DW	0	0	0	0	0.055
E2	0	0	0.1	0	0.089

Drilling at 20'.

915					
UW	0	0	0	0	0.023
DW	0	0	0	0	0.025
E2	0	0	0	0	0.031

Installing well right after finishing drilling.

955					
UW	0	0	0.1	0	0.022 ~~0.044~~
DW	0	0	0.1	0	0.044 ~~0.024~~
E2	0	0	0.1	0	0.061

prep to drill OW-2-39.

1025					
UW	0	4	0	0	0.025
DW	0	4	0	0	0.035
E2	0	4	0	0	0.045

Drilling OW-2-39 at 35'.

6/2/10 CAMP

1055	HCN	LEL	VOC	H_2S	DT
UW	0	5	0	0	0.024
DW	0	3	0	0	0.025
E2	0	5	0	0	0.025

Drilling DW-2-39 @ ~55'
No odors + elevated LEL is suspect.

1115-1145 Wait for call Back, ~~not~~ no activity.

1150 setting well DW-2-39.

UW	0	4	0	0	0.035
DW	0	4	0	0	0.048
E2	0	4	0	0	0.049

1220 Break for lunch.
1200 Lunch over
~~1310~~

6/2/10

1310	HCN	LEL	VOC	H_2S	DT
UW	0	4	0	0	0.030
DW	0	4	0	0	0.091
E2	0	4	0	0	0.032

Mixing grout for DW-2-39.

1350					
UW	0	4	0	0	0.032
DW	0	4	0	0	0.042
E2	0	4	0	0	0.033

Moving rig to DW-2-40 + mixing grout.

1355 start injecting grout @ DW-2-40.

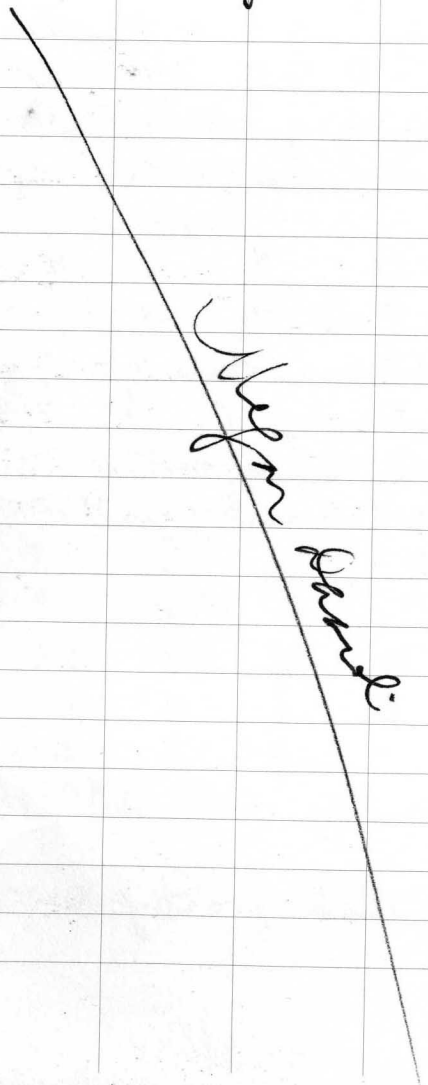
1415					
UW	0	4	0	0	0.033
DW	0	4	0	0	0.034
E2	0	4	0	0	0.042

Grouting DW-2-40 at end.

1420 Finished grouting DW-2-40

6/2/10

1430 Finished covering locations with soil,
CAMP suspended for day.



6/3/10 Thursday
weather: 4m · foggy 68°, no wind

Marschel Park
700 F&N Matt Briody
Kevin Begel
WES Megan Dascoli
arrive
705 calibrate CAMP equipment

zero filter used on Dust-Trak
pump # 12760
Multi-Rae pump # 07326
(for spangas info, see June 1)
~~HCS~~ Freshair okay? yes
H_2S: 25 VOC: 99.7
LEL: 99 HCN: 9
O_2: 21.3

830 Background levels
HCN	LEL	VOC	H_2S	CO
0	0	0.1	0	0.043

weather: overcast, foggy
wind from SE, light

6/3/10
CAmp

848 Begin drilling @ OW-2-38

850	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.045
DW	0	0	0	0	0.038
E2	0	0	0	0	0.075

Drilling 4'-9' at OW-2-38.

920	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.050
DW	0	0	0	0	0.072
E2	0	0	0	0	0.144

Drilling at 54'.

950					
UW	0	0	0	0	0.033
DW	0	0	0	0	0.046
E2	0	0	0	0	0.041

Adding sand + bentonite to OW-2-38 after drilling to depth.

6/3/10

1020	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.033
DW	0	0	0	0	0.035
E2	0	0	0	0	0.038

prepping to drill OW-2-37.

1030 Leave Park ~~off-site~~ for conference call at site trailer.

1115 talked to Kevin - he took readings for me

UW	0	0	0	0	0.034
DW	0	0	0	0	0.042
E2	0	0	0	0	0.043

Drilled OW-2-37 to depth. Prepping to build well.

1200 MD returns to ~~site~~ park - guys waiting to take lunch - no activity.

6/3/10

1250 prep to grout OW-2-37
1315 Grouting OW-2-37

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.051
DW	0	0	0	0	0.129
EZ	0	0	0	0	0.062

1345

UW	0	0	0	0	0.053
DW	0	0	0	0	0.059
EZ	0	0	0	0	0.060

Setting up at OW-2-38.

1410 Grouting OW-2-38 is finished.
1415 F&N is cleaning up. CAMP is suspended for the day

M

6/4/10 Friday

CAMP - Mirschel Park
weather: sunny. 75°-88°, Wind E and from N
705 Calibrate equipment

Zero dust track pump #12760

MultiRae #07320
Fresh air cal? Oxygen drift, no cal.
Cal w/ span gases 1st
(for span gas info, see Jmel)
H_2S = 24 VOC = 100
LEL = 49 HCN = 9
O_2 = 21.4

830 Fresh air cal. Ok? Yes

835 Background

HCN	LEL	VOC	H_2S	DT
0	0	0	0	0.045

905

UW	0	0	0	0	0.041
DW	0	0	0	0	0.056
EZ	0	0	0	0	0.144

Drilling 4'-10' at OW-2-36.

6/4/10

Mitchell Park OW-2-36

935	HCN	LEL	VOC	H_2S	DT
UW	0	0	0.1	0	0.039
DW	0	0	0.1	0	0.079
E2	0	0	0.1	0	0.040

Drilling at 60'.

1005					
UW	0	0	0	0	0.035
DW	0	0	0	0	0.035
E2	0	0	0	0	0.035

Building well.

1035					
UW	0	0	0	0	0.032
DW	0	0	0	0	0.032
E2	0	0	0	0	0.032

Waiting for bentonite pellets to time release.

1105					
UW	0	0	0.1	0	0.034
DW	0	0	0	0	0.039
E2	0	0	0	0	0.048

1125 OW-2-36 Grouted. CAMP ended for the day

6/7/10 CAMP

715 MD Arrives. FEN Kevin + Matt + URS Kirk White on-site.

Calibrate Dust Trak - zero.
Pump # 12760.
Multirae pump # 07326
Multigas, Isob. + HCN span gas info, see June 1

H_2S = 25 O_2 = 20.9
LEL = 49
VOC = 99.9 HCN = 10

945 start handclearing OW-2-32

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.013
DW	0	0	0	0	0.017
E2	0	0	0	0	0.012

1015					
UW	0	0	0	0	0.025
DW	0	0	0	0	0.064
E2	0	0	0	0	0.019

Handclearing, excavation on other side of road

6/7/10

1030 G. to trailer to receive equip. from Pine. Main Kirk.

1125 ~~1045~~	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.009
DW	0	0	0	0	0.012
E2	0	0	0	0	0.010

Hand clearing OW-2-30S.

1145					
UW	0	0	0	0	0.009
DW	0	0	0	0	0.012
E2	0	0	0	0	0.015

filling in OW-2-30S.

1300 resume hand clearing at 158 Hilton Ave.

1305					
UW	0	0	0	0	0.037
DW	0	0	0	0	0.061
E2	0	0	0	0	0.075

preclearing OW-2-29.

6/7/10

1335	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.06-
DW	0	0	0	0	0.016
E2	0	0	0	0	0.018

Hand clearing OW-2-28D.

1350 Move from 158 Hilton to return to park.

1400 set-up at Mitchell Park to hand clear OW-2-35.

1420 Hand clearing OW-2-34					
UW	0	0	0	0	0.016
DW	0	0	0	0	0.013
E2	0	0	0	0	0.075

1440 Finished hand clearing OW-2-33.
CAmp suspended.

6/8/10 CAMP

weather: sunny, 60°-75°

wind dir. from NW/N

650 MD arrives

700 Calibrate CAMP equipment. See Calibration Log.

820 Background

HCN	LEL	VOC	H_2S	DT
0	0	0	0	0.019

840

	HCN	LEL	VOC	H_2S	DT
UW	0	0	1.5	0	0.16
DW	0	0	1.5	0	0.037
E2	0	0	1.3	0	0.071

Drilling 9'-13'. Note: Typically there is a lot of dust generated on surface of hill because soil is exposed from Geoprobe tracking up hill + from cuts made in hill. area is very dry. Surface of soil is not contaminated. Dust is generated by workers walking up + down hill.

6/8/10

OW-2-34

910

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0.8	0	0.011
DW	0	0	0.8	0	0.021
E2	0	0	0.9	0	0.143

Drilling at ~50'.

940

UW	0	0	2.0	0	0.01
DW	0	0	1.6	0	0.031
E2	0	0	1.8	0	0.029

Drilling @ 11'-[redacted]' bgs.

1010

UW	0	0	2.0	0	0.012
DW	0	0	1.7	0	0.024
E2	0	0	1.9	0	0.029

No drilling.

1040

UW	0	0	1.3	0	0.019
DW	0	0	1.3	0	0.032
E2	0	0	1.3	0	0.040

Trying to get out top of rock

6/8/10

OW-2-35+ 34

1110	HCN	LEL	VOC	H_2S	OT
UW	0	0	1.3	0.	0.013
DW	0	0	1.2	0	0.015
E2	0	0	0.7	0	0.014

Removing rods from OW-2-34.

1135 After moving Geoprobe to OW-2-35, breaking for lunch. CAMP suspended.

1243 Start drilling OW-2-35.

1245					
UW	0	0	0.4	0	0.009
DW	0	0	0.7	0	0.053
E2	0	0	0.4	0	0.101

Drilling 4'-9' on OW-2-35

weather: partly cloudy, 70°-75°, wind light to mod from NW + W, variable, occas. gusts. Dust at E2 from exposed, dry soil at surface of hill.

6/8/10 OW-2-35

1315	HCN	LEL	VOC	H_2S	OT
UW	0	0	0.2	0	0.017
DW	0	0	0.2	0	0.031
E2	0	0	0.2	0	0.126

Drilling 45'-50'.

1345					
UW	0	0	0.1	0	0.009
DW	0	0	0.1	0	0.015
E2	0	0	0.1	0	0.086

Finished drilling to depth. Now installing well OW-2-35.

1415					
UW	0	0	0	0	0.010
DW	0	0	0	0	0.040
E2	0	0	0	0	0.035

Dropping bentonite pellets down after #00 sand after installing well OW-2-35.

1420 Well construction ended CAMP suspended.

6/9/10 Wednesday
weather: mostly cloudy
55°–75°, wind 0+-
mod from SE

715 Calibrate CAMP equipment
Dust + TVAs + MultiRaes.

730 Safety meeting
740 Safety meeting over.
745 F&N mobilize to
Mitchell Park.

820 Background

HCN	LEL	VOC	H_2S	DT
0	0	0.4	0	0.031

Work begin done at Hilton
Ave cutting down trees, creating
dust. Area still dusty -
exposed surface soil.

835 Begin drilling 2nd try
for OW-2-34.

6/9/10
OW-2-34 (2nd try)

840	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.061
DW	0	0	0	0	0.053
E2	0	0	0	0	0.151

Drilling 4'-9'.

910					
UW	0	0	0.5	0	0.012
DW	0	0	0.2	0	0.031
E2	0	0	0.8	0	0.040

Drilling at 4'.

1025					
UW	0	0	0	0	0.014
DW	0	0	0	0	0.021
E2	0	0	0	0	0.013

Prepping to set well.

1105					
UW	0	0	0	0	@.030
DW	0	0	0	0	0.061
E2	0	0	0	0	0.043

prepping to grout.

6/9/10

1115 - 1150 Lunch. Camp Suspended
Camp resumed.

1210	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.031
DW	0	0	0	0	0.036
E2	0	0	0	0	0.022

light rain starts, prepping to grout.

1240					
UW	0	0	0	0	0017
DW	0	0	0	0	0.052
E2	0	0	0	0	0.017

Grouting OW-2-34.
Grout mixer running.

1320					
UW	0	0	0	0	0.014
DW	0	0	0	0	0.052
E2	0	0	0	0	0.079

setting up @ OW-2-35

6/9/10

1350	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.025
DW	0	0	0	0	0.062
E2	0	0	0	0	0.080

Grouting OW-2-35

CAMP suspended.

6/10/10 CAMP

Weather: overcast, 60°, v. light wind from S.

715 Calibrate 2 sets of CAMP equipment w/ Work White; see calibration log sheets.

850 Background readings at OW-2-32.

	HCN	LEL	VOC	H_2S	DT
	0	0	0	0	0.014

MR Pike # 07326, DT pike # 12760

910

UW	0	0	0	0	0.020
DW	0	0	0	0	0.081
E2	0	0	0.1	0	0.047

DW area is still in E2.

Drilling area is enclosed on 3 sides by fences + a shed.

Drilling at 30'.

~~950~~

6/10/10

OW-2-32

950	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.025
DW	0	0	0	0	0.031
E2	0	0	0	0	0.030

Drilling at 74' bgs.

1005 Drilled to 75', hit refusal. Same ultimate depth at past refusals.

Break while Jon S. checks boring logs.

1020					
UW	0	0	0	0	0.021
DW	0	0	0	0	0.035
E2	0	0	0	0	0.036

Breaking while we wait.

1033 Move CAMP. While we wait for Jon S, we will drill OW-2-305, target depth 67.8'.

moving rig now.

6/10/10
OW-2-305

1049 Start drilling at OW-2-305.

1050	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.043
DW	0	0	0	0	0.047
E2	0	0	0	0	0.061

Drilling @ 5'

1120					
UW	0	0	0	0	0.044
DW	0	0	0	0	0.053
E2	0	0	0	0	0.053

Drilled to ~40'.

1150					
UW	0	0	0	0	0.045
DW	0	0	0	0	0.060
E2	0	0	0	0	0.085

Installing well at depth.

1205 CAMP suspended for lunch.

6/10/10
grouting OW-2-305

1300 CAMP Resumed.

1320	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.049
DW	0	0	0	0	0.053
E2	0	0	0	0	0.050

mixing grout

1350					
UW	0	0	0	0	0.049
DW	0	0	0	0	0.053
E2	0	0	0	0	0.046

Grouting.

1420					
UW	0	0	0	0	0.049
DW	0	0	0	0	0.067
E2	0	0	0	0	0.053

Grouting.

1425 Grouting completed. CAMP ended for day.

Megan Demol.

CAMP 6/11/10 Friday
weather: mostly cloudy, 65°-75°
wind light from N.

715 Calibrate CAMP equipment.

830 CAMP equipment
MultiRae pine #
Dust Trak pine #

	HCN	LEL	VOC	H_2S	DT 0.018
UW	0	0	0	0	~~0.018~~
DW	0	0	0	0	0.037
E2	0	0	0	0	0.019

Hand clearing 0'-5'.

900

UW	0	0	0	0	0.015
DW	0	0	0	0	0.021
E2	0	0	0	0	0.018

Handclearing @ 4'.

903 Handcleared DHP-331 to 5.5'
CAMP suspended while driller removes stuck macro liners from macro.

6/11/10
DHP-331

1025 moves geoprobe to location @ 153 Hilton. CAMP resumes.

1040	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.017
DW	0	0	0	0	0.018
E2	0	0	0	0	0.039

Prepping to drill.

1110					
UW	0	0	0	0	0.019
DW	0	0	0	0	0.049
E2	0	0	0	0	0.077

Drilling @ 15'.

1140					
UW	0	0	0	0	0.017
DW	0	0	0	0	0.031
E2	0	0	0	0	0.069

pulling rods out from 30' b/c FRN needs to reset point.

6/11/10 cAmp
DGP-331

1210	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.020
DW	0	0	0	0	0.031
E2	0	0	0	0	0.016

Prepping to drill.

1220 Break for lunch
1300 Lunch over. ~~start~~
1305 start drilling again at DGP-331 from 0'.

1315					
UW	0	0	0	0	0.015
DW	0	0	0	0	0.042
E2	0	0	0	0	0.091

Drilling ~~to~~ at 30'.
1330 Drilled to 65', now removing rods.
1345

UW	0	0	0	0	0.014
DW	0	0	0	0	0.014
E2	0	0	0	0	0.051

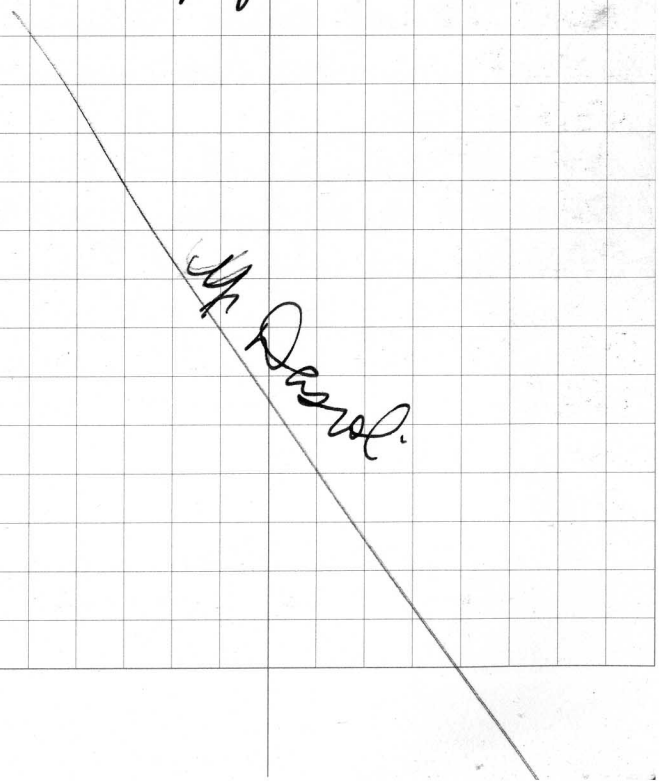
Lowering sampling rods down to 65'.

6/11/10

1415	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.014
DW	0	0	0	0	0.043
E2	0	0	0	0	0.035

Drilling ~~to~~ 60' to 65'.

1445 1450 cAmp ended after sampling.



6/14/10

weather mostly cloudy 65–70°
little to no wind

0645: CF on-site, calibrating CAMP equipment.

Pine # 15886 ← multi-rae
DustTrak # 12760

0700: During morning safety mtg F+N (Mike) says Kevin (F+N) driller will not be on-site today due to illness.

Gave above meters to Kirk (UES) for use today, no Drilling/CAMP activities.

6/15/10

weather sunny 60's AM, little to no wind

0650: calibrating PID.
need replacement for 05511 dust trak, won't zero
CF using multi-rae 06291
dust trak 12760

0815: rig set up to resume HFSB-115A from 70ft

0835 start drilling	VOC	H_2S	HCN	LEL	O_2	DUST
EZ	0	0	0	0	20.9	0.026
UP	0	0	0	0	20.9	0.032
DN	0	0	0	0	20.9	0.027

0915	VOC	H_2S	HCN	LEL	O_2	dust
UP	0	0	0	0	20.9	0.023
DN	0	0	0	0	20.9	0.043
EZ	0	0	0	0	20.9	0.030

rig down 0850 - 0910

6/15/10

1000 AM	VOC	HCN	H_2S	LEL	O_2	dust
UP	0	0	0	0	20.9	0.026
DN	0	0	0	0	20.9	0.029
EZ	0	0	0	0	20.9	0.024

0950: HISB-115A @ 70ft

1020 – 1035: F + N break rig down weather now in 70's w/ light wind out of _____. Mostly sunny

1045:	VOC	HCN	H_2S	LEL	O_2	dust
UP	0	0	0	0	20.9	0.029
DN	0	0	0	0	20.9	0.044
EZ	0	0	0	0	20.9	0.026

HISB-115A

1130: @ 75ft about to sample

	VOC	HCN	H_2S	LEL	O_2	dust
UP	0	0	0	0	20.9	0.031
DN	0	0	0	0	20.9	0.046
EZ	0	0	0	0	20.9	0.030

1150: rig down for lunch, HISB-115A @ 78ft

1300: rods going back in

6/15/10

1330

	VOC	HCN	H_2S	LEL	O_2	dust
UP	0	0	0	0	20.9	0.029
DN	0	0	0	0	20.9	0.035
EZ	0	0	0	0	20.9	0.032

1415	VOC	HCN	H_2S	LEL	O_2	dust
UP	0	0	0	0	20.9	0.032
DN	0	0	0	0	20.9	0.041
EZ	0	0	0	0	20.9	0.066

still trying to get back to 78ft to take the next sample. Have to practically re-drill boring each time they go for sample

1500: CAMP ended after 78-82' sample

6/16/10

weather mostly cloudy 60's no wind

0655: Calibrating PIDs, dust traks

0800: CF using multi-rae # 06291 dusttrak # 02119

0815: rig in place, CAMP set-up

0820: slight drizzle, starting

0835: drizzle over - rods going in

	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.032
DN	0	0	0	0	20.9	0.026
EZ	0	0	0	0	20.9	0.024

0840: slight SSE wind

0850: F+N mechanic here to recharge geoprobe hammer, rig down w/ ≈ 35ft of rods on hole.

0925: rig back working

6/16/10

930	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.026
DN	0	0	0	0	20.9	0.049
EZ	0	0	0	0	20.9	0.054

1015	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.032
DN	0	0	0	0	20.9	0.055
EZ	0	0	0	0	20.9	0.101

@ 65ft on way down for sample @ 80-86 ft

1055	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.035
DN	0	0	0	0	20.9	0.070
EZ	0	0	0	0	20.9	0.060

1130: F+N lunch, no CAMP

1200: Lunch over

1220:	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.029
DN	0	0	0	0	20.9	0.020
EZ	0	0	0	0	20.9	0.047

6/16/10

1255: wind speed increasing, still predominantly SSE, also mostly cloudy.

1310:	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.043
DN	0	0	0	0	20.9	0.058
EZ	0	0	0	0	20.9	0.035

@ 86 ft pulling inner rods

1350	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.041
DN	0	0	0	0	20.9	0.050
EZ	0	0	0	0	20.9	0.025

@ 90ft

1440:	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.052
DN	0	0	0	0	20.9	0.038
EZ	0	0	0	0	20.9	0.055

drilling back to 90ft for next sample

6/16/10

1525:	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.027
DN	0	0	0	0	20.9	0.025
EZ	0	0	0	0	20.9	0.024

@ 95ft, pulling up 90-95ft sample.

1535: CAMP DOWN, F+N done drilling.

sunny 645AM
humid
70's
still wind

6/17/10

0645: calibrating CAMP equipment.

Pine #'s: multi-rae #06291
dust trak #02119

Kirk White (URS) has other CAMP meters, they are not in trailer as of 648AM 6/17/10

0730: Kirk W (URS) on-site has meters. Other F+N crew will not be on-site the rest of the week, so Kirk will be leaving today.

0915: start re-drilling HISB-115A down to depth (95ft) so it can be grouted.

Weather partly cloudy, now breezy wind out of NW.

	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.026
DN	0	0	0	0	20.9	0.048
EZ	0	0	0	0	20.9	0.027

6/17/10

945: @ 95ft at HISB-115A rods will be left in ground until grout going in.
Hole covered, CAMP down

1000: Matt starts clearing hole for OW-2-28S behind 158 Hilton Ave property.

	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.019
DN	0	0	0	0	20.9	0.060
EZ	0	0	0	0	20.9	0.17

1020: finished hand clearing OW-2-28S. start drilling

1045:	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.021
DN	0	0	0	0	20.9	0.053
EZ	0	0	0	0	20.9	0.013

6/17/10

1130	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.016
DN	0	0	0	0	20.9	0.019
EZ	0	0	0	0	20.9	0.045

F+N setting OW-2-285

1200 - 1230: Lunch
F+N to start grouting

1300:	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.015
DN	0	0	0	0	20.9	0.111
EZ	0	0	0	0	20.9	0.011

F+N grouting OW-2-285

1345	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.023
DN	0	0	0	0	20.9	0.045
EZ	0	0	0	0	20.9	0.011

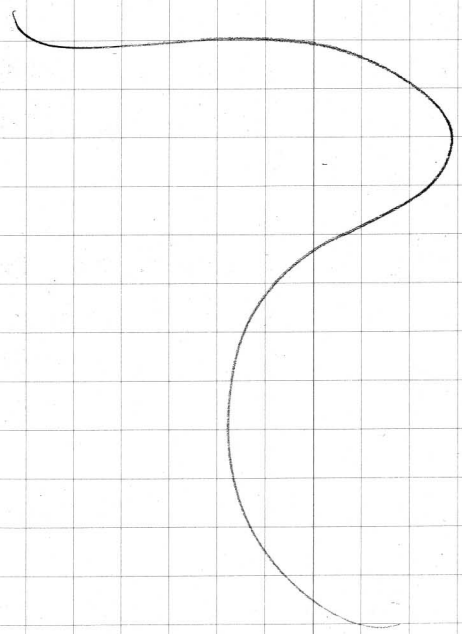
1355: Grouting completed @ OW-2-285

1410: start grouting HISB-115A

6/17/10

1430:	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.015
DN	0	0	0	0	20.9	0.035
EZ	0	0	0	0	20.9	0.013

1450: grouting @ HISB-115A completed



6/18/10

weather
partly sunny
60's AM
no wind AM

0645: Calibrating CAMP equip.
Multi-rae # 15986
Sust trak # 12760
Plan for today is Hand Clearing and restoration of grass area @ HISB-115A area (153 Hilton)

0815: start restoration @
153 Hilton HISB-115A area

825	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.026
DN	0	0	0	0	20.9	0.101
EZ	0	0	0	0	20.9	0.045

restoration of 153 Hilton AVE lawn mowing + weed wacking going on @ 158 Hilton also generating some dust.

0850: restoration completed, area raked, seeded, fertilized and watered.

6/18/10

0905: F+N in park to clean MP-2-4 and MP-2-5

0920	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.043
DN	0	0	0	0	20.9	0.053
EZ	0	0	0	0	20.9	0.051

cleaning MP-2-5

0930: cleaning MP-2-4

0950: MP-2-4 cleaned

1000: Back behind 158 Hilton AVE, will clean starting w/ OW-2-27

1015:	VOC	H_2S	HCN	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.050
DN	0	0	0	0	20.9	0.70
EZ	0	0	0	0	20.9	0.080

cleaning OW-2-26

6/18/10

1100	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.052
DN	0	0	0	0	20.9	0.075
EZ	0	0	0	0	20.9	0.070

clearing OW-2-25

1145: MP-2-30 cleared, F+N lunch

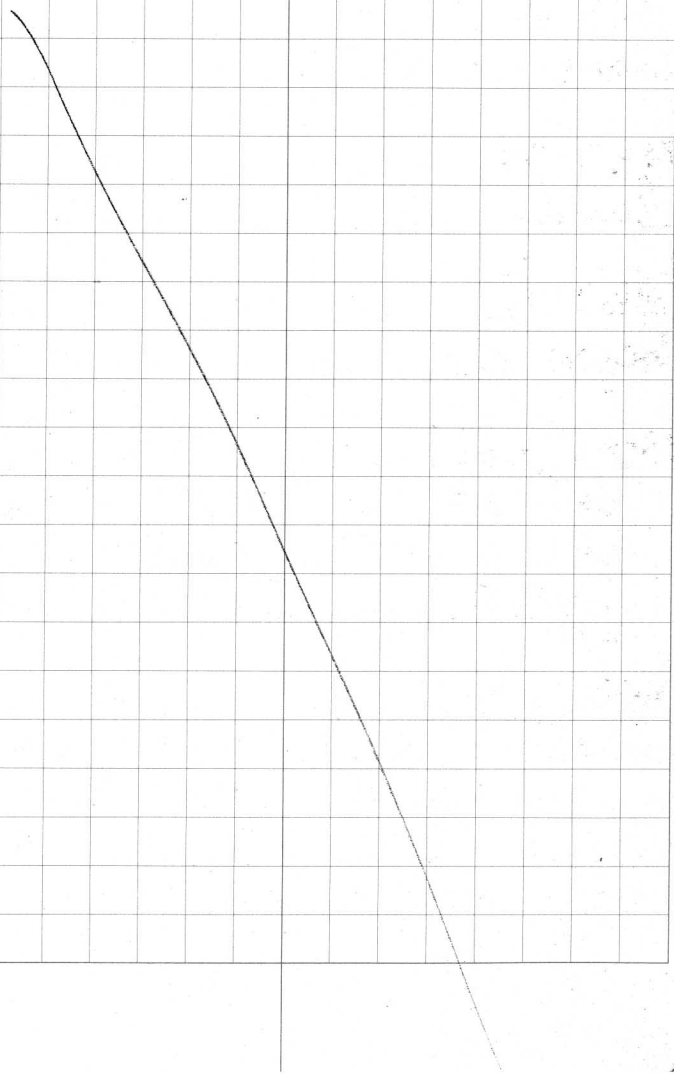
1245: lunch over, F+N to begin clearing OW-2-RHD

1300:	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.056
DN	0	0	0	0	20.9	0.060
EZ	0	0	0	0	20.9	0.064

1400	VOC	HCN	H_2S	LEL	O_2	DUST
UP	0	0	0	0	20.9	0.077
DN	0	0	0	0	20.9	0.74
EZ	0	0	0	0	20.9	0.061

6/18/10

1420: OW-2-23 cleared last of day crew down



Mirschel Park

6/24/10 Monday

weather: Sunny, 80°, wind light + mod from N

650 MD arrives on-site

740 After Safety, orientation meeting, MD calibrates DT + MultiRae.

820 Set-up Camp in Mirschel Park

Background

	HCN	LEL	VOC	H_2S	DT
	0	0	0	0	0.014

825 Begins drilling MW-2-5.

853

UW	0	0	0	0	0.014
DW	0	0	0	0	0.047
E2	0	0	0	0	0.053

Drilling at 60'.

951

UW	0	0	0	0	0.015
DW	0	0	0	0	0.026
E2	0	0	0	0	0.017

Finished bentonite pellets. Now prepping to move.

158 Hilton

6/21/10

839 Background at 158 Hilton

	HCN	LEL	VOC	H_2S	DT
	0	0	0	0	0.016

846

UW	0	0	0	0	0.018
DW	0	0	0	0	0.072
E2	0	0	0	0	0.063

Drilling @ 10'.

923

UW	0	0	0	0	0.016
DW	0	0	0	0	0.018
E2	0	0	0	0	0.022

Drilling at 59'. DW-2-26S

1001

UW	0	0	0	0	0.016
DW	0	0	0	0	0.020
E2	0	0	0	0	0.045

Drilled to refusal @ 74.5'

6/21/10
Mitchel Park

1000	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.016
DW	0	0	0	0	0.068
E2	0	0	0	0	0.128

drilling @ 5' @ MP-2-4

1050					
VW	0	0	0	0	0.017
DW	0	0	0	0	0.041
E2	0	0	0	0	0.068

Installing well material in MP-2-4.

1125					
VW	0	0	0	0	0.017
DW	0	0	0	0	0.021
E2	0	0	0	0	0.136

pulling easily out

1140 Glacier breaks for lunch.
1215 Glacier resumes.

6/21/10
158 Hilton

1030 Moved Rig to DW-2-245.

1045	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.018
DW	0	0	0	0	0.045
E2	0	0	0	0	0.052

Drilling to 5'.

1145					
VW	0	0	0	0	0.018
DW	0	0	0	0	0.022
E2	0	0	0	0	0.020

prepping to install OW-2-245.

1215 Break for lunch
1300 Back at site.

VW	0	0	0	0	0.016
DW	0	0	0	0	0.048
E2	0	0	0	0	0.027

Moving rig to OW-2-265.

6/21/10

Mansel Park

1220	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.018
DW	0	0	0	0	0.108
EZ	0	0	0	0	0.089

mixing grout

1305 Glacier finished grouting. Now cleaning up area. CAMP ended.

---

158 Hilton

1415					
UW	0	0	0	0	0.018
DW	0	0	0	0	0.065
EZ FKN	0	0	0	0	0.056
EZ Gl.	0	0	0	0	0.079

FKN grouting, Glacier removing rods.

1429 Glacier has finished removing rods. Now they go to Park to finish wells to grade.
FKN finished grouting

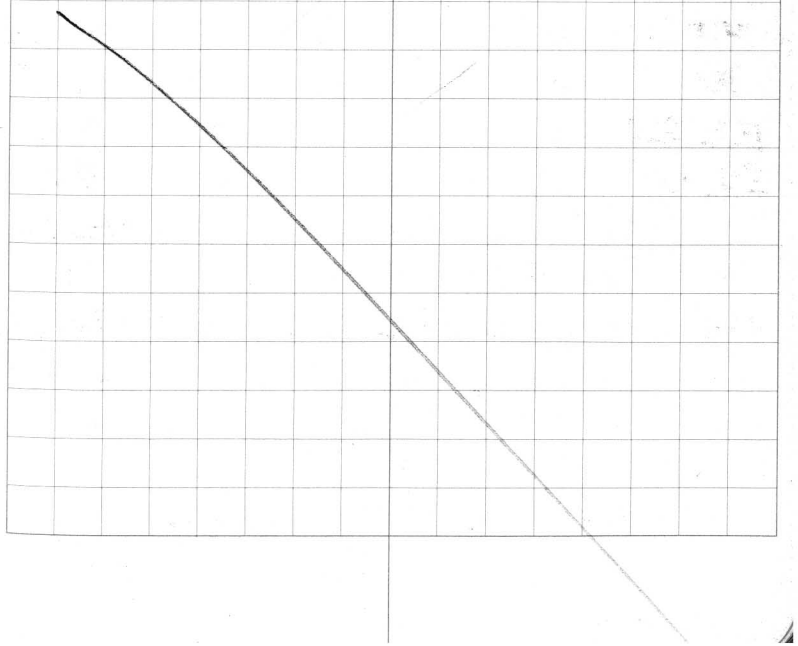
6/21/10

158 Hilton

1340	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.018
DW	0	0	0	0	0.158
EZ	0	0	0	0	0.024

mixing grout for OW-2-245

1429 FKN finished grouting, now cleaning up.
CAMP ended.



6/22/10

weather: sunny, 72°, wind light-mod from East

7:00 MD arrives
7:05 calibrate CAMP equipment.

8:10 F&N + Glacier setting up at 158 Hilton Ave.

8:11 Background

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.039
DW	0	0	0	0	0.036
E2	0	0	0	0	0.051

8:25 F&N begins hand clearing OW-2-225.
Glacier resumes drilling at OW-2-32 at 75', where rods were left in ground.

6/22/10

8:35	HCN	LEL	~~HCN~~ VOC	H_2S	DT
UW	0	0	0	0	0.026
DW	0	0	0	0	0.0128
E2-F&N	0	0	0	0	0.036
E2-Glac.	0	0	0	0	0.037

Glac. drilling at OW-2-32.
F&N hand clearing.

8:41 Glacier drilled to 84.0, now installing well.

9:35

UW	0	0	0	0	0.044
DW-F&N	0	0	0	0	0.087
E2-F&N	0	0	0	0	0.052
E2 ~~F&N~~ Glac	0	0	0	0	0.185
DW Glac	0	0	0	0	0.075

F&N drilling at 39' OW-2-225
Glacier drilling well - OW-2-32

6/22/10

time

1015	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.029
DW-Glac	0	0	0	0	0.067
EZ Glac	0	0	0	0	0.064
DW FKN	0	0	0	0	0.033
EZ FKN	0	0	0	0	0.034

Activity: Glacier drilling 50'-55'.
FKN drilling at 74'.

1022 OW-2-225 drilled to refusal @ 76'.

1115	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.029
DW Glac	0	0	0	0	0.088
EZ Glac	0	0	0	0	0.038
DW FKN	0	0	0	0	0.034
EZ Glac	0	0	0	0	0.041

Activities:
FKN trying to remove rods at OW-2-225.
Glacier building well OW-2-32.

6/22/10

time

1130 Lunch, CAMP suspended

1200 Lunch over, work continues.

1200	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	.055
DW-Glac	0	0	0	0	.05
EZ-Glac	0	0	0	0	.00
DW-FKN	0	0	0	0	.051
EZ FKN	0	0	0	0	.082

Activities:
Both rigs grouting

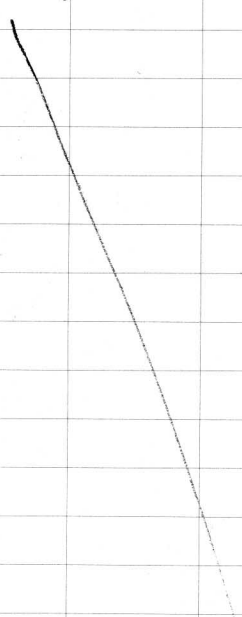
1300	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	.045
DW-Glac	0	0	0	0	.095
EZ-Glac	0	0	0	0	.155
DW-FKN	0	0	0	0	.061
EZ FKN	0	0	0	0	.036

Activities: Both rigs grouting

6/22/10

time 1400	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.035
DW	0	0	0	0	0.071
E2	0	0	0	0	0.083

Grouting finished. CAMP suspended.



6/23/10

weather: sunny, 72°, humid
wind light mod from E+SE

715 calibrate camp equipment.

830 F&N + Glacier getting set up at 158 Hilton Ave

CAMP: MultiRae # pre# 15886
Dräger # 12760

840 Background level

HCN	LEL	VOC	H_2S	DT
0	0	0	0	0.049

904 ~~905~~ F&N begins drilling OW-2-28D.
905 Glacier begins drilling OW-2-31.

910	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.047
DW61	0	0	0	0	0.079
E261	0	0	0	0	0.054
DW-F&N	0	0	0	0	0.085
E2 F&N	0	0	0	0	0.049

Glacier drilling @ 30:55! F&N at 25:30!
Exhaust from machines detected as particulates.

6/23/10

1005	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.046
DW-G1	0	0	0	0	0.086
E2-G1	0	0	0	0	0.074
DW-F&N	0	0	0	0	0.054
E2-F&N	0	0	0	0	0.062

Activities: Glacier drilling OW-2-30 D-30'
F&N drilling OW-2-27-15'.

1105	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.031
DW-G1	0	0	0	0	0.078
E2-G1	0	0	0	0	0.037
DW-F&N	0	0	0	0	0.074
E2-F&N	0	0	0	0	~~0.062~~ 0.048

Activities: Glacier drilling at OW-2-29 10'-15' ~~-20'~~.
F&N jack hammering asphalt in driveway (OW-2-20D, 20S+-19) to hand clear them.

6/23/10

Sunny, 85°, wind light from S+E

1205	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.031
DW	0	0	0	0	0.066
E2	0	0	0	0	0.129

Activities: Glacier completing drilling at OW-2-28D.
F&N DW lunch break.

1300	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.031
DW	0	0	0	0	0.060
E2	0	0	0	0	0.031

Glacier drilling 89'-93.5' at OW-2-27. F&N filling up w/ water.

1400	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.030
DW	0	0	0	0	0.035
E2	0	0	0	0	0.031

Both rigs getting in position to grout. Begin mixing grout.

~~973-785-0700~~
V Andrea
631-386-6110

Tara Lynn
973-222-6903

6/23/10

1500	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.032
DW	0	0	0	0	0.067
E2	0	0	0	0	0.084

grating continues at OW-2-29 + OW-2-~~28~~31.

1545 F&N + Glacier completed grouting 4 locations. One drilled well left to grout - OW-2-28D. Suspended.

6/24/10

weather: partly cloudy, 80°-95°, humid
wind - light from W

7 AM Megan Dascoli + Taralyn Myers, URS on site.

7'15 Calibrate CAMP, see calibration log.

CAMP equip:	pump #
DustTrak	02219
Multirae	06291

825 Background

HCN	LEL	VOC	H_2S	DT
0	0	0	0	0.073

900 Glacier begins drilling OW-2-26D
904 F&N begins drilling OW-2-25

913	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.49
DW	0	0	0	0	.060
E2	0	0	0	0	.088

activities: Glacier drilling OW-2-26D
F&N drilling OW-2-25

6/24/10

1011	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.054
DW	0	0	0	0	0.063
EZ	0	0	0	0	0.086

Activities: Glacier drilling OW-2-25
F&N drilling OW-2-24D

1122	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.087
DW	0	0	0	0	0.097
EZ	0	0	0	0	0.102

Activities: Glacier drilling OW-2-24D
(F&N off site)

1200 CAMP suspended - no work activities

1242	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.065
DW	0	0	0	0	0.066
EZ	0	0	0	0	0.095

Activities: F&N grouting OW-2-24D

6/24/10

1340	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.065
DW	0	0	0	0	0.066
EZ	0	0	0	0	0.072

Activities: F&N removing rods from OW-2-25
Glacier grouting OW-2-28

1419 CAMP suspended - grouting activities completed

MDasw/

6/25/10

weather: sunny, 72°-85°, wind light from East

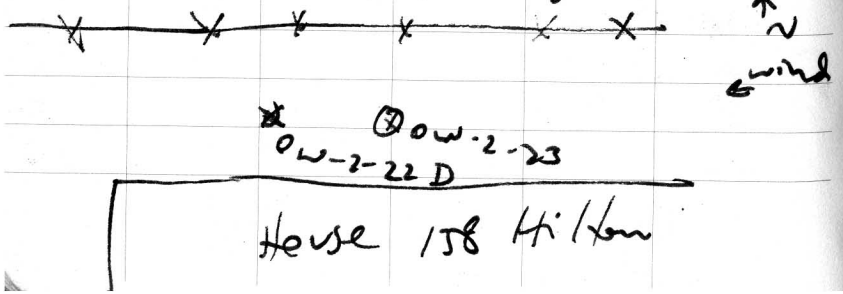
730 on-site, calibrating sampling equipment.
Dust-Trak #2119
MultiRae 06291

850 F&N starts hand clearing at 158 Hilton Ave - OW-2-22D.

852 Glacier starts drilling at 158 Hilton Ave OW-2-23.

855	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.0[illegible]9
DW	0	0	0	0	0.021
E2-GI	0	0	0	0	0.034
E2-F&N	0	0	0	0	0.011

Hand clearing, drilling -23 @ 30'.



6/25/10

902 Hand cleared OW-2-22D to 5'.

904 Moved 7720DT to OW-2-22D + setup to drill until refusal

920	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.0[illegible]4
DW	0	0	0	0	0.034
E2	0	0	0	0	0.155

Glacier drilling @ 90'-95'
F&N drilling @ 40'-45'.

1005					
UW	0	0	0	0	0.014
DW	0	0	0	0	0.030
E2	0	0	0	0	0.025

setting OW-2-23.

1105					
UW	0	0	0	0	0.065
DW	0	0	0	0	0.045
E2	0	0	0	0	0.030

(Kevin took readings)

6/25/10

Note: meters running, Lot ~~MD~~ MD was at weekly meeting + F&N did not write down periodic readings.

Activities we completing drilling + setting well ow-2-22D + grouting both that + ow-2-23.

1240 F&N were back at site at 12:40. Matt, F&N, + Glacier were at 158 Hilton finishing grouting.

1300 MD goes to 158 Hilton, crew finished + driving off-site. CAMP ended.

CAMP 6/28/10 Monday

weather: sunny, hot, high humidity
85°
wind light w/ occassional moderate gusts from S+W

710 MD arrives on-site.

720 CAMP equipment calibrated.
~~Dust Trak #~~ Dust Trak pump # 02119, S/N 22259
MultiRae #
DustTrak pump# 02119, S/N# 22259
MultiRae pump # 06291
S/N# 095-516278
see calibration log, calcd correctly.

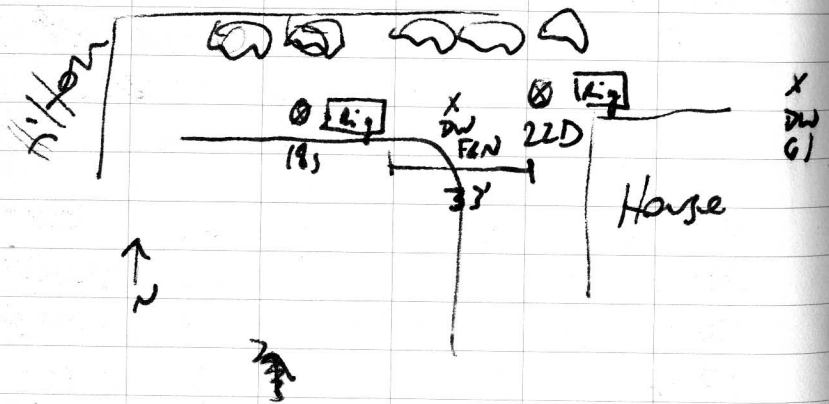
825 collect background readings:
HCN=0 VOC=0 CEL=0
H_2S=0 DustTrak= 0.109

845 F&N start drilling OW-2-18S + Glacier start drilling ow-2-20D.

6/28/10 CAMP

900	HCN	LEL	VOC	H_2S	DT
E2-G1	0	0	0	0	0.095
UW	0	0	0	0	0.093
DW-G1	0	0	0	0	0.114
E2-F&N	0	0	0	0	0.115
DW-F&N	0	0	0	0	0.201

Glacier drilling at 80'-85' OW-2-20D
F&N drilling at 35'-40' OW-2-18S



1015	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.063
DW	0	0	0	0	0.170
E2 G1	0	0	0	0	0.166
E2 F&N	0	0	0	0	0.115

F&N drilling @ 0'-5' OW-2-20S
G1 drilling @ 0'-15' OW-2-19

6/28/10 CAMP

1105	HCN	LEL	VOC	HCN	DT
UW	0	0	0	0	0.057
DW	0	0	0	0	0.073
E2 F&N	0	0	0	0	0.098
E2 G1	0	0	0	0	0.098

Glacier drilling 94'-96'. OW-2-19
F&N drilling at 75' → OW-2-20S

1145 Break for lunch.
1230 Return from lunch.
Tasks: grout locations, set 1 well OW-2-20S.
CAMP resumed.

1250	HCN	LEL	VOC	HCN	DT
UW	0	0	0	0	0.045
DW	0	0	0	0	0.079
E2 G1	0	0	0	0	0.111
E2 F&N	0	0	0	0	0.093

Setting well OW-2-20S.
Grouting OW-2-19.

6/28 CAMP

1340	HCN	LEL	VOC	H_2S	DT
VW	0	0	0	0	0.043
DW-FAN	0	0	0	0	0.082
E2-GL	0	0	0	0	0.048
E2 FAN	0	0	0	0	0.053
DW-GL	0	0	0	0	0.071

~~FAN~~ Hand clearing ow-2-21.
Glacier gravity ow-2-18S.

1350 gravity + hand clearing finished.
CAMP ended

M Dascoli

CAMP 6/29/10 Tuesday

weather: hazy, hot, humid, 78°-95°
wind: NW, light

705 I, M. Dascoli, arrives at National Grid site. Glacier's Barry + Marcel at gate.

707 Fenley + Nicol's kevin, Tommy, + Mike Meade arrive.

710 As drillers prep for the day's work, I calibrate CAMP equipment.
DustTrak pine # 02119
MultiRae pine # 06291
See Calibration Log for details, both instruments calibrate.

805 Glacier sets rig up at ow-2-18D
Background

HCN	LEL	VOC	H_2S	DT
0	0	0	0	0.075

6/29/10

806 F&N begins breaking through asphalt to hard clear ow-2-17

830	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.044
DW	0	0	0	0	0.059
E2-G1	0	0	0	0	0.047
E2 F&N	0	0	0	0	0.045

Glacier drilling at ow-2-18D. F&N hand clearing.

930	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.045
DW	0	0	0	0	0.071
E2	0	0	0	0	0.058

Glacier drilling at ow-2-21 which is adjacent to where F&N are drilling grouting at ow-2-19D.

1025					
UW	0	0	0	0	0.043
DW	0	0	0	0	0.063
E2	0	0	0	0	0.051

ow-2-21 well being built grouting ow-2-18D, adj. to each other

6/29/10

1115 - 1145 Lunch break

1145 Glacier begins grouting ow-2-21.

1200	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.080
DW	0	0	0	0	0.048
E2	0	0	0	0	0.041

Grouting at ow-2-21.

1255	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.024
DW	0	0	0	0	0.071
E2	0	0	0	0	0.042

Grouting at ow-2-18D.

1300 Grouting completed for ow-2-18D. CAMP ended for today.

6/30/10 Wednesday
weather: sunny, 65°-80°
wind light from N/NW

745 MD arrives. Calibrates CAMP equipment.

830 Setup CAMP at 158 Hilton. F&N + Glacier will be working close together today at west end of driveway at 158 Hilton, one work zone.

835 Background

	HCN	LEL	VOC	H_2S	DT
	0	0	0	0	0.030

900

UW	0	0	0	0	0.009
DW	0	0	0	0	0.038
E2	0	0	0	0	0.088

Glacier drilling at 80' @ OW-2-17
F&N drilling at 30' @ OW-2-16S.

6/30/10 CAMP

1005

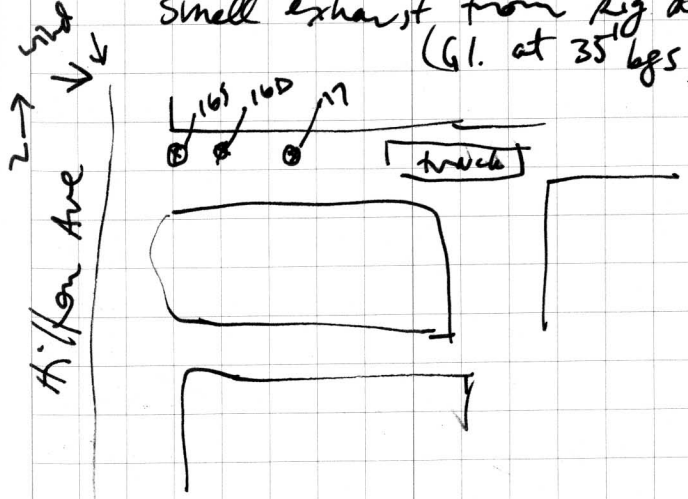
	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.010
DW	0	0	0	0	0.015
E2	0	0	0	0	0.022

F&N building well OW-2-16S.

1035

UW	0	0	0	0	0.099
DW	0	0	0	0	0.071
E2	0	0	0	0	0.023

Glacier drilling at OW-2-16D.
Smell exhaust from rig downwind (GL at 35' bgs)



6/30/10 CAMP

1105	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.099
DW	0	0	0	0	0.055
EZ	0	0	0	0	0.013

Activity: F&N grouting ow-2-17.
CI. drilling ow-2-165.

1145 Break for lunch.
1215 Work resumes.

1220	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.008
DW	0	0	0	0	0.018
EZ	0	0	0	0	0.009

Glacier + Toming grouting OW-2-165.
(F&N's consultant at site densimity 1st set of rods).

1320					
UW	0	0	0	0	0.009
DW	0	0	0	0	0.027
EZ	0	0	0	0	0.015

Completing grout at ow-2-160 + OW-2-165.

6/30/10 CAMP

1325 Grouting finished.
Glacier cleaning up + putting Rigs in the back.
CAMP suspended for day.

July 1, 2010 Thursday
weather: sunny, 60°-78°, wind light & mod gusts from N+W.

710 MD arrives after checking Hilton Ave.

715 Kirk White + I calibrate CAMP equipment.

~~820~~ 815 Set-up CAMS at 160 Hilton driveway.
Background

HCN	LEL	VOC	H_2S	DT
0	0	0	0	0.017

820 Start drilling OW-2-15D.

830	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.014
DW	0	0	0	0	0.078
E2-GI	0	0	0	0	0.041
E2-FBN	0	0	0	0	0.014

FBN Tommy is hand-clearing OW-2-13D+S.
Glacier drilling ow-2-15D at 40'.

7/1/10 CAMP

900	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.009
DW	0	0	0	0	0.060
E2 GI	0	0	0	0	0.078
E2 FBN	0	0	0	0	0.010

Glac-Drilling @ 93' on OW-2-15D
FBN Hand clearing OW-2-13D

945

UW	0	0	0	0	0.025
DW	0	0	0	0	0.045
E2	0	0	0	0	0.101

Glacier drilling ow-2-14 at 25' FBN at main site.

1020

UW	0	0	0	0	0.009
DW	0	0	0	0	0.024
E2-GI	0	0	0	0	0.017
E2-FBN	0	0	0	0	0.017

GI. ~~drill~~ installing well ow-2-14.
FBN hand augering ow-2-12.

7/1/10 CAMP

1058 Return to jobwork area w/ batteries. Multirae off.

1120	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.009
DW	0	0	0	0	0.011
E2-G1	0	0	0	0	0.011
E2-F&N	0	0	0	0	0.010

Glacier trying to remove rods @ OW-2-14.
F&N clearing ow-2-9.

1150					
UW	0	0	0	0	0.009
DW	0	0	0	0	0.012
E2-G1	0	0	0	0	0.017
E2-F&N	0	0	0	0	0.010

Glacier breaking for lunch.
F&N hand clearing.

1250					
UW	0	0	0	0	0.009
DW	0	0	0	0	0.012
E2-G1	0	0	0	0	0.030

Glacier grouting ow-2-15D.

7/1~~2~~/10 CAMP

1310	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.017
DW	0	0	0	0	0.054
E2	0	0	0	0	0.017

Glacier grouting ow-2-15D. F&N - tamping sets up to hand clear.

1355					
UW	0	0	0	0	0.012
DW	0	0	0	0	0.022
E2	0	0	0	0	0.033

Diggy unit area for ow-2-14 to look for sprinkler line, diggy 1'-2' down.
No more hand clearing today.

1446 CAMP SUSpended - no more intrusive work performed

7/2/10 CAMP

weather: sunny, 63°-78°, light breeze from N

700 MD arrives, with White on-site.

710 MD calibrates CAMP equipment
DustTrak 12760 + 02119
MultiRae 15299 + 06291

810 Background

	HCN	LEL	VOC	H_2S	DT
	0	0	0	0	0.005

815 Rigs getting positioned

820 Rigs start drilling
Glacier at OW-2-155
F&N at OW-2-135
~~Dust~~ CAMP used:
DustTrak 02119
MultiRae 15299.

830

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.011
DW	0	0	0	0	0.041
E2-G1	0	0	0	0	0.061
E2-F&N	0	0	0	0	0.055

7/2/10 CAMP

830
Activities:
Glacier drilling at 60'-65' at OW-2-155
F&N drilling at 25'-30' at OW-2-135.

0900

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.012
DW	0	0	0	0	0.018
E2-G1	0	0	0	0	0.027
E2-F&N	0	0	0	0	0.035

F&N drilling OW-2-135 @ 59'-64'.
Glacier setting well at OW-2-155.

0930

UW	0	0	0	0	0.012
DW	0	0	0	0	0.030
E2-G1	0	0	0	0	0.012
E2-F&N	0	0	0	0	0.017

F&N drilling OW-2-135 69'-74'.
Glacier waiting for drips to settle.

7/2/10 CAMP

1000	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.015
DW	0	0	0	0	0.045
E2-G1	0	0	0	0	0.025
E2-FAN	0	0	0	0	0.014

FAN trying to pull rods
Glacier grouting.

1030

UW	0	0	0	0	0.011
DW	0	0	0	0	0.015
E2-G1	0	0	0	0	0.025

G Loader + FAN building well at OW-2-135 after 80 to pulled rods up. grouting done at OW-2-155

1110

UW	0	0	0	0	0.013
DW	0	0	0	0	0.022
E2-G1	0	0	0	0	0.015

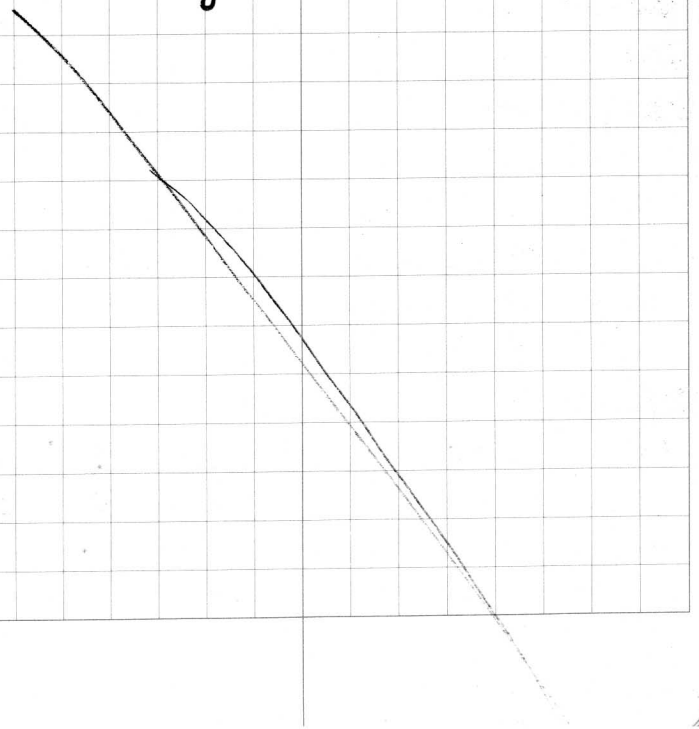
Prepping to grout

7/2/10 CAMP

1130	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.010
DW	0	0	0	0	0.079
E2	0	0	0	0	0.031

Grouting OW-2-135.

1140 Grouting finished at OW-2-135. CAMP suspended, no further intrusive work today.



7/6/10

weather: sunny, hot, humid
temp: 80°-98° wind: v.light - none from S

710 Calibrate cAmp equipment
Dust Trak 12760
Dust Trak 02119
Multirae 06291
Multirae 15299
all cal'ed correctly.

840 2 Rigs set up in front of 160 Hilton.

Background

	HCN	LEL	VOC	H_2S	DT
	0	0	0	0	0.098

850

UW	0	0	0	0	0.099
DW	0	0	0	0	0.129
E2-G1	0	0	0	0	0.094
E2 FkN	0	0	0	0	0.093

Activites: Glacier drilling OW-2-13D @ 35'-40'.
FkN drilling at ow-2-12 at 25'.

7/6/10 cAmp

950	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.077
DW	0	0	0	0	0.084
E2-G1	0	0	0	0	0.096
E2-FkN	0	0	0	0	0.094

Activity: Glacier building well ow-2-13D. FkN drilling at 64' OW-2-12.

1050

UW	0	0	0	0	0.070
DW	0	0	0	0	0.080
E2-G1	0	0	0	0	0.086
E2-FkN	0	0	0	0	0.069

Activities: Glacier drilling at ~~FkN drl~~ at ow-2-12.
FkN ~~Glacier~~ drilling at ow-2-13, ~~Bottom~~ at 54'-59'.

115

7/6/10

1150	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.096
DW	0	0	0	0	0.098
E2-GI	0	0	0	0	0.115
E2-F&N	0	0	0	0	0.098

F&N setting well ow-2-11s.
Glacier pulling rods at ow-2-12 + setting well.

1200 F&N out of work area + breaking for lunch.

1200 Glacier breaks for lunch. CAMP suspended.

1318	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	.075
DW	0	0	0	0	.077
E2-GI	0	0	0	0	.071
E2 F&N	0	0	0	0	.074

Activities: Grouting

1410	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	.071
DW	0	0	0	0	.052
E2-GI	0	0	0	0	.081
E2-F&N	0	0	0	0	.079

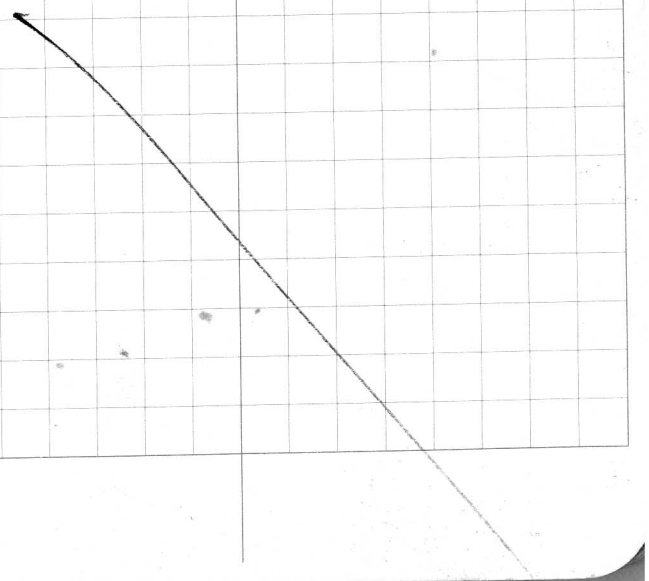
Activities: grouting OW-2-13D + OW-2-11S

7/6/10

1500	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.076
DW	0	0	0	0	0.083
E2-GI	0	0	0	0	0.103
~~E2-F&N~~	0	0	0	0	(illegible)

Activity: Glacier grouting OW-2-12.

1530 Grouting finished at OW-2-12.
F&N + Glacier cleaning up area + covering wells to grade w/ soil.
CAMP ended for the day



7/7/10 Camp

weather: sunny, hot, humid
82°-95%/100°, wind: light from N

705 MD arrives on-site
710 MD + kirk white calibrate Camp equipment.

MD Camp set-up pine#
Dust+Trak: 02119
Multirae: 15299

825 Background levels

	HCN	LEL	VOC	H_2S	DT
	0	0	0	0	0.088

830 Glacier begins drilling OW-2-110, target depth 100.8'.

845	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.099
DW-G1	0	0	0	0	0.085
E2-G1	0	0	0	0	0.104
DW-FRN	0	0	0	0	0.093
E2-FRN	0	0	0	0	0.101

Glacier drilling OW-2-110.
FRN clearing OW-2-105+100.

7/7/10 Camp

945	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.084
DW-G1	0	0	0	0	0.094
E2-G1	0	0	0	0	0.088
DW FRN	0	0	0	0	0.105
E2 FRN	0	0	0	0	0.108

Glacier drilled ow-2-110 to depth, now trying to remove rods.
FRN drilling -105 to refusal, drilling at 26-31'.

1045					
UW	0	0	0	0	0.092
DW-G1	0	0	0	0	0.088
E2-G1	0	0	0	0	0.084
DW-FRN	0	0	0	0	0.085
E2-FRN	0	0	0	0	0.086

FRN drilling at OW-2-105 at 47' after repositioning rig.
Glacier pulling rods up.

7/7/10 CAMP

1155	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.073
DW-G1	0	0	0	0	0.077
E2-G1	0	0	0	0	0.074

DW Activity: Glacier grouting
EX OW-2-11D. F&N at lunch.

~~1255~~ 1205

UW	0	3	0	0	0.090
DW	0	3	0	0	0.095
E2	0	3	0	0	0.105

Glacier setting up on OW-2-10S
1305 Glacier drilling at " " "
F&N demonstrating tools + helping.

1355

UW	0	0	0	0	0.084
DW	0	0	0	0	0.089
E2	0	0	0	0	0.094

Glacier finishing setting well at OW-2-10S. Will grout yesterday
1415 CAMP suspended for day

7/8/10 CAMP
weather: overcast, humid
temp: 85-90 wind: v. light variable NE

700 L. Rugger arrives on-site
710 LR + KW calibrate CAMP equipment

LR CAMP set-up
DustTrak 02119
MiniRae 15297

810 Background

HCN	LEL	VOC	H_2S	DT
0	0	0	0	0.062

815 Rigs getting ready
830 Both rigs are drilling
(D) 845 835 - Raining - 5 min.
(R) ~~UW~~ ~~DW~~ Both rigs on the corner of Hilton + Kensington Ct., but two ~~one~~ (W) Exclusion zones, one DW

845	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.060
DW	0	0	0.1	0	0.086
FN E2	0	0	0	0	0.074
GL E2	0	0	0.1	0	0.071

Partly sunny w/ variable winds.

945	HCN	LEL	VOC	H_2S	DT
UW	0	0	0.3	0	0.050
DW	0	0	0.3	0	0.051
FN EZ	0	0	0.3	0	0.054
GL EZ	0	0	0.3	0	0.056
					~~0.054~~

Fe. N break b/c can't go past 50', will wait for Glacier
Glacier setting up well

1045					
UW	0	0	0	0	0.057
DW	0	0	0	0	0.048
FN EZ	0	0	0	0	0.056
GL EZ	0	0	0	0-1	0.061

Glacier moves to OW-2-14 to grout

1145					
OW	0	0	0	0	0.060
FN DW	0	0	0	0	0.068
FN EZ	0	0	0	0	0.063
G DW	0	0	0.1	0	0.058
G EZ	0-1	0	0	0	0.054

1240 - Glacier done grouting, break for lunch, CAMP suspended

1330 - Glacier @ shallow well on Kensington Ct. Will drill to 74' and install well.
Fe. N on-site decon'g rods

1345	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.043
DW	0	0	0	0-1	0.050
EZ	0	0.1	0	0-1	0.053

1430 - Glacier done setting up well at new shallow well (ID# OW-2-95), will grout tomorrow and will grout OW-2-100 tomorrow
- Intrusive work complete CAMP suspended for the day.
- Glacier to get H_2O + fuel for tomorrow
Back to site

7/9/10 CAMP

weather: partly sunny
72°-88°, light breeze from W

700 MD arrives on-site.
710 Calibrating CAMP equipment w/Kirk White.

730 Safety meeting

815 Set-up CAMP station at Kensington Ct, upwind of grading operations, downwind of hand clearing. pinett
CAMP: Dust Trak 02119
Multi-Rae 15299

Background levels:

HCN	LEL	H_2S	VOC	DT
0	0	0	0	0.015

825 Glacier setting up grout apparatus.
830 Glacier starts grouting.
8850 Matt starts hand clearing OW-25.

7/9/10

900	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.012
DW-GI	0	0	0	0	0.015
E2-GI	0	0	0	0	0.024
DW-FKN	0	0	0	0	0.013
E2 FKN	0	0	0	0	0.022

FKN, Matt, preclearing ow-2-5.
Glacier grouting ow-2-100.

1000

UW	0	0	0	0	0.013
DW-GI	0	0	0.1	0	0.032
E2-GI	0	0	0.1	0	0.022
DW-FKN	0	0	0.1	0	0.028
E2-FKN	0	0	0	0	0.015

Glacier grouting ow-2-95.
FKN hand clearing ow-2-2.

1020 Grouting + hand clearing finished, CAMP suspended

7/12/10 Monday, camp

710 Calibrate camp equipment.
745 No Drilling today.
Glacier crew get in car accident.

7/13/10 Tuesday, camp

weather: mostly cloudy, wind from ne east + south, variable. 78°-90°, occassional showers.

710 Calibrate camp equipment
730 Safety meeting + daily task discussion.
Drilling crew: Glacier
mark Schoch
Marcel
F&N - Matt Briody
~~Trench crew:~~
~~F&N Mike Ryan~~
No Work today, wife had baby yesterday.

7/13/10 camp

856 Glacier begins drilling at OW-2-9.
camp equipment:
Multirae 15299
DustTrak 02119

9:05	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.035
DW	0	0	0	0	0.055
EZ	0	0	0	0	0.047

Activity: Drilling OW-2-9 at 50-55'.

930 Drilled ~~to~~ OW-2-9 to target depth of 96.7' (drilled to 97' + install well at 96.7').

945					
UW	0	0	0.1	0	0.028
DW	0	0	0.1	0	0.033
EZ	0	0	0.1	0	0.031

Installing well + building it OW-2-9.

7/13/10 CAMP

1045	HCN	LEL	VOC	H_2S	DT
UW	0	0	0.1	0	0.028
DW	0	0	0.1	0	0.038
E2	0	0	0.1	0	0.031

Drilling OW-2-8 @ 45'-50'

1130					
UW	0	0	0.1	0	0.030
DW	0	0	0.1	0	0.035
E2	0	0	0.1	0	0.034

pulling rods up @ OW-2-8 + installing well.

1150 Break for lunch.

1225 Lunch over, rain starts. CAMP suspended to protect machines.

7/14/10 CAMP

Wednesday, Raining 75°-85° overcast, very humid, wind light-none from east, variable to non-existant

745 Calibrate one set of CAMP equipment. Trenching crew doesn't need CAMP.

Multirae 15299
Dustrak 12760

830 Zero multirae - Fresh air cal - in the high humidity VOC=0.2.

Background

	HCN	LEL	VOC	H_2S	DT
	0	0	0.1	0	0.122

850					
UW	0	0	0.1	0	0.079
DW	0	0	0.1	0	0.074
E2	0	0	0.1	0	0.088

Glacier drilling at 10'-15'. at OW-2-7.

7/14/10 CAMP

945	HCN	LEL	VOC	H_2S	DT
UW	0	0	0.1	0	0.029
DW	0	0	0.1	0	0.035
E2	0	0	0.1	0	0.033

Activity: pulling rods up at ow-2-7 after installing well.

1050					
UW	0	0	0.1	0	0.034
DW	0	0	0.1	0	0.033
E2	0	0	0.1	0	0.034

Drilling ow-2-6 at 70'-75'.

1140					
UW	0	0	0.1	0	0.030
DW	0	0	0.1	0	0.037
E2	0	0	0.1	0	0.034

Activities: Finishing building well + pulling up rods.

1150 Break for lunch.

7/14/10 CAMP

1230 Work resumes after lunch w/ mixing + injecting grout.

1240	HCN	LEL	VOC	H_2S	DT
UW	0	0	0.1	0	0.014
DW	0	0	0.1	0	0.087
E2	0	0	0.1	0	0.031

Mixing grout for ow-2-6.

1335					
UW	0	0	0.2	0	0.014
DW	0	0	0.2	0	0.030
E2	0	0	0.2	0	0.064

Grouting ow-2-7.

1405 Grouting finished at ow-2-7. CAMP ended for the day.

7/15/10 CAMP

Thursday, overcast, Am 74°
little-no wind, little wind from West

705 Calibrate camp equipment
Dust Trak 02119
MultiRae 15299
see calibration log.

810 Camp set up at Kensington Ct
Background

HCN	LEL	VOC	H_2S	DT
0	0	0	0	0.020

818 Begin drilling at OW-2-5.

830

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.022
DW	0	0	0	0	0.070
E2	0	0	0	0	0.055

Drilling OW-2-5 from 65'-70'.

7/15/10 CAMP

920

	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.022
DW	0	0	0	0	0.025
E2	0	0	0	0	0.027

Building well OW-2-5.

1010

UW	0	0	0	0	0.016
DW	0	0	0	0	0.037
E2	0	0	0	0	0.044

Drilling OW-2-4 at 65'-70'.

1100

UW	0	0	0	0	0.022
DW	0	0	0	0	0.068
E2	0	0	0	0	0.035

Building well at OW-2-4.

1110 Break for lunch
1145 Return from lunch.

7/15/10 CAMP

1200	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.020
DW	0	0	0	0	0.050
E2	0	0	0	0	0.078

Activities: Grouting ow-2-4.

1255					
UW	0	0	0	0	0.021
DW	0	0	0	0	0.052
E2	0	0	0	0	0.022

Ending grouting ow-2-4

1300 Moving to ow-2-5 to grout.

1330					
UW	0	0	0	0	0.022
DW	0	0	0	0	0.079
E2	0	0	0	0	0.031

Grouting ow-2-5.

1340 Finished grouting ow-2-5.
~~Camp ended for the day~~ delete
1350
7/15

7/15/10 CAMP

1350 Glacier moves to ow-2-3 to begin drilling to depth of 93.4'.

1425	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.028
DW	0	0	0	0	0.054
E2	0	0	0	0	0.058

Drilling ow-2-3 at 35'-40'.

1505					
W	0	0	0.0	0	0.024
DW	0	0	0.0	0	0.026
E2	0	0	0.0	0	0.026

Installing + building well at ow-2-3.

1530 well built (will grout tomorrow). Camp ended

7/16/10 Friday

weather: overcast AM 75° wind no-
little, from West
9 AM - sunny, hot 80°-95° light wind
from west

710 Calibrate 2 sets of
CAMP equipment.

800 Set-up CAMP at Leemington Ct.
Dust Trak 02119
Multi Rae 062991

Background

	HCN	LEL	VOC	H_2S	DT
	0	0	0	0	0.081

810

VW	0	0	0	0	0.081
DW	0	0	0	0	0.083
E2	0	0	0	0	0.082

Activity: Drilling OW-2-2;
Depth

905

VW	0	0	0	0	0.068
DW	0	0	0	0	0.074
E2	0	0	0	0	0.078

Building well.

7/16/10 CAMP

920 No current work, Glacier goes to get lunch to-take, waiting for bentonite to set.

1000 Glacier returns + preps to grout

1020	HCN	LEL	VOC	H_2S	
VW	0	0	0	0	0.067
DW	0	0	0	0	0.113
E2	0	0	0	0	0.074

Grouting OW-2-2.

1110					
VW	0	0	0	0	0.063
DW	0	0	0	0	0.092
E2	0	0	0	0	0.080

Grouting OW-2-3.

1116 Glacier finished grouting OW-2-3.
Now cleaning up. CAMP ended

8/23/10

See System #2 Oxyg Injection wells 7/13/10 - Book

8/24/10 Tuesday

Weather: overcast, periodic rain. 66-72°. Wind light-moderate from the west.

8/5	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.008
DW-8040	0	0	0	0	0.008
E2-8040	0	0	0.3	0	0.019
DW-55	0	0	0	0	0.009
E2-55	0	0	0	0	0.015

55 - Made hand clears MP-2-35.

8040 pulling augers out of MP-2-2; 30' of augers.

9/0

UW	0	0	0.4	0	0.017
DW-55	0	0	0.4	0	0.026
E2-55	0	0	0.4	0	0.021
DW-8040	0	0	0.4	0	0.018
E2-8040	0	0	0.4	0	0.019

8/24/10

9/0 - Safety, Influences VOC reading.

8040 hand clearing MP-2-1, CME 55 drilling MP-2-1 @ 30'.

1005	HCN	LEL	VOC	H_2S	DT
UW	0	0	0.6	0	0.008
DW55	0	0	0.7	0	0.007
E255	0	0	0.7	0	0.015
DW8040	0	0	0.6	0	0.028
E28040	0	0	0.5	0	0.007

8040 - MP-2-1 @ 40' 4yds.

CME 55 - @ MP-2-35 installing well material.

1100					
UW	0	0	0.7	0	0.008
DW55	0	0	0.7	0	0.005
E255	0	0	0.7	0	0.008
DW8040	0	0	0.7	0	0.009
E28040	0	0	0.7	0	0.012

Prepping to grout MP-2-35.

Drilling MP-2-1 @ 90'.

8/24/10

1150	HCN	LEL	VOC	H_2S	DT
UW	0	0	0.7	0	0.005
DW	0	0	0.7	0	0.007
E2	0	0	0.7	0	0.006

CAMP only conducted @ MP-2-1, which is trying to remove plug. MP-2-35 was grouted, only clean up activities in area.

1230					
UW	0	0	0.7	0	0.007
DW	0	0	0.7	0	0.006
E2	0	0	0.7	0	0.008

Installing well material @ MP-2-1.

1235 Part of well material - bottom sump + 30' of prepack screen - have fallen to bottom. Suspend CAMP while discuss ideas + attempts to retrieve it.

1435 Still trying to retrieve screen.

1435	HCN	LEL	VOC	H_2S	DT
UW	0	0	0.7	0	0.008
DW	0	0	0.7	0	0.009
E2	0	0	0.7	0	0.009

No activity.

1530					
UW	0	0	0.7	0	0.007
DW	0	0	0.7	0	0.011
E2	0	0	0.7	0	0.007

pulling augers out of MP-2-1.

1625					
UW	0	0	0.7	0	0.006
DW	0	0	0.7	0	0.007
E2	0	0	0.7	0	0.006

pulling out augers.

1650 Augers out. CAMP suspended. Glacier cleaning up area.

CHP

8/25/10 Wednesday

Weather: overcast, 67°-73° light wind from NE, moderate gusts., light rain periodically

715 hrs MD calibrates CAMP equipment:
Dust Trak pump #02119
Multi Rae pump # 06291

1010	HCN	VOC	LEL	H_2S	DT
UW	0	0	0	0	0.018
DW	0	0	0	0	0.021
E2	0	0	0	0	0.036

Drilling ow-2-44(2) in Mitchell Park, drilling at 45'.

1025 Drilled OW 2-44(2) to depth. No current activity, waiting for Riser delivery.

1100					
UW	0	0	0	0	0.017
DW	0	0	0	0	0.013
E2	0	0	0	0	0.012

No activity currently.

8/25/10

1220 No activity continues, waiting for riser delivery.

1225 Riser delivered. CAMP resumes as well is installed

1245	HCN	VOC	LEL	H_2S	DT
UW	0	0	0	0	0.018
DW	0	0	0	0	0.041
E2	0	0	0	0	0.023

Letting Bentonite hydrate as grout is being prepped.

1330 CAMP suspended. well is abandoned because the lead 5' rod was lost down the hole (threads snapped) + the integrity of the well is in question. Area being cleaned up.
End of camp for the day.

8/26/10 Thursday

Weather: clear, sunny, 67°-80°
wind light to none from S.

715 Calibrate CAMP equipment to be used for today:
DustTrak pump #02119
MultiRae pump# 15299

730 weekly meeting

850 Start drilling ~~MP-2-1~~ MP-2-1(2) adjacent to MP-2-1 on corner of Hilton + Lensington, after preclearing hole.

900	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.040
DW	0	0	0	0	0.026
E2	0	0	0.3	0	0.046

Drilling @ 20'.

8/26/10

955	HCN	LEL	VOC	H_2S	DT
UW	0	0	0.3	0	0.030
DW	0	0	0.3	0	0.024
E2	0	0	0.3	0	0.019

Drilling at 70'.

1045					
UW	0	0	0	0	0.028
DW	0	0	0	0	0.029
E2	0	0	0	0	0.024

At depth, lowering rods down to pop out plug.

1135					
UW	0	0	0	0	0.038
DW	0	0	0	0	0.035
E2	0	0	0	0	0.032

Removing augers after installing well material.

8/26/10

1225	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.038
DW	0	0	0	0	0.064
E2	0	0	0	0	0.041

Removing augers from MP-2-1(2).

1300 Break for lunch, CAMP suspended.

1350 Lunch over, CAMP resumed.

1405					
UW	0	0	0.1	0	0.042
DW	0	0	0.2	0	0.062
E2	0	0	0.1	0	0.039

Mixing grout, removing augers.

1455					
UW	0	0	0.3	0	0.030
DW	0	0	0.3	0	0.072
E2	0	0	0.3	0	0.029

Grouting MP-2-1(2) + MP-2-1.

1515 CAMP ended after grouting is finished.

8/27/10 Friday

weather: sunny, clear, 67°-80°. Wind light from NE.

715 MD calibrates CAMP equipment for use today.
Dust Trak pike #02119
Multi Rae pike # 15299

730 Daily safety meeting held.

815 Glacier begins drilling at OW-2-44(3) (4' W of OW-2-44).

820					
B~~25~~	HCN	LEL	VOC	H_2S	DT
UW	0	0	0	0	0.008
DW	0	0	0	0	0.032
E2	0	0	0	0	0.025

Drilling OW-2-44(3) @ 40'.

910					
UW	0	0	0.1	0	0.010
DW	0	0	0.1	0	0.058
E2	0	0	0.1	0	0.025

Grouting OW-2-44(3).

(36, 285, 31 - to redevelop)

8/27/10

9:44 Glacier Fdn out of Mirabel Park. Camp ended.