2021 Hazardous Waste Scanning Project

File Form Naming Convention.

(*File_Type*).(*Program*).(*Site_Number*).(*YYYY-MM-DD*).(*File_Name*).pdf

Note 1: Each category is separated by a period "."
Note 2: Each word within category is separated by an underscore "_"

Specific File Naming Convention Label:

Report.HW.932109.2002-10-01, In-Situ_Sampling_Summary_Report.pdf

932109

NEW YORK STATE DEPARTMENT OF TRANSPORTATION
REGION 5
125 MAIN STREET
BUFFALO, NEW YORK

PIN 5940.40.121
PROSPECT STREET BRIDGE REPLACEMENT OVER ERIE CANAL

CITY OF LOCKPORT
NIAGARA COUNTY

IN-SITU SAMPLING/MATERIAL CHARACTERIZATION
FINAL SUMMARY REPORT

Revised
October 2002

Acres International Corporation
140 John James Audubon Parkway
Amherst, New York 14228-1180

ACRES

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PIN 5940.40.121
PROSPECT STREET BRIDGE REPLACEMENT
OVER ERIE CANAL
CITY OF LOCKPORT

IN-SITU SAMPLING/ MATERIAL CHARACTERIZATION

SUMMARY REPORT

October 2002

1 SITE HISTORY

1.1 Previous Site Use and Investigations

The New York State Department of Transportation is currently undertaking a project to replace the Prospect Street Bridge over the Erie Canal in Lockport, New York. The project will replace the bridge on a new location slightly north of the existing bridge. This new location will traverse over the southwestern portion of property currently owned by the New York State Electric and Gas Corporation (NYSEG). The property in the vicinity of the proposed bridge alignment was originally a quarry location, which has been backfilled to near original ground elevation. Approximately 90 m (300 ft) northeast of the bridge replacement location was the former location of a Manufactured Gas Plant (MGP). This property has been previously identified by the New York State Department of Environmental Conservation (NYSDEC) as a potentially contaminated area due to this former land use. The Lockport State Road MGP site is subject to an Order on Consent with the NYSDEC.

A detailed contaminated materials investigation was undertaken by NYSEG in September 2000. This investigation did not identify any contamination typical of MGP wastes (coal tar, coal tar odors, NAPL), but some purifier waste (identified by blue staining) was identified in some portions of the site during that investigation. All of the samples tested were classified as "RCRA non-hazardous" (see NYSEG June 2002 Interim Remediation Measures Work Plan and Health and Safety Plan).

Given the potentially contaminated nature of the property, NYSDOT has requested that its design consultant for the project, Acres International, further investigate the bridge replacement area to characterize contamination levels in soils in areas of proposed excavation.

2 IN-SITU TESTING AND MATERIAL CHARACTERIZATION

2.1 Soil Sampling

SLC Environmental Services performed field drilling and sampling services under the direction of Acres senior staff. The fieldwork was carried out between June 25 and July 3, 2002.

25 GP 7.5-12'
14 GP 9.5' - 31.8'

Thirty-nine geoprobe soil borings were taken in proposed excavation areas. These included 25 "intermediate" depth borings [2.3 m (7.5 ft) to 3.7 m (12.0 ft) deep] and 14 "deep" borings [2.9 m (9.5 ft) to 9.7 m (31.8 ft) deep]. Seven additional borings, in sloping areas inaccessible by the geoprobe equipment, were hand augered to a depth of 0.6 m (2 ft). Figure 1 shows the sampling locations. Figure 2 shows the target boring depths. The 46 total borings were seven less than the originally proposed program of 53 borings. Three were omitted because of access difficulties and utility interference, and four borings (34-D, 37-D, 38-D, and 40-D) were abandoned during drilling because of early obstruction by boulders.

All soil samples were screened for organic vapors using MiniRAE 2000 photoionization detector with a 10.6 eV lamp as each 1.2 m (4 ft) sample was taken from each boring. All samples recovered in each boring were mixed to provide a full-depth composite sample for chemical testing. Because of the large amount of coarse gravel fill encountered, sample recovery was typically 50 percent or less.

2.2 Chemical Analyses

All soil samples were packed in ice by Acres personnel and shipped to the Ecology and Environment, Inc. laboratory for testing on the same day they were collected. The following analyses were performed:

- TCLP (including volatiles, semi-volatiles, pesticides and organics including leachable cyanide and total PCB).
- RCRA characteristics (ignitability, corrosivity and reactivity).
- TPH (total petroleum hydrocarbons).
- Total chlorides.

Table 1 lists the analyses and methods used by the lab.

3 INVESTIGATION RESULTS

3.1 Soil Borings

The soil borings, in general, showed layered silty clay and gravel fill, which was indicative of the entire site. In the samples collected closest to the side slope of the canal, the fill was much coarser with numerous boulders or limestone blocks present near the surface.

All of the "deep" borings were advanced to probe refusal. The borings near the crest of the slope penetrated to below the bottom of the fill and into natural materials consisting of glacial till and coarse sand and gravel. Samples from these borings include a zone of saturated soil presumed to lie near the top of bedrock.

Visual classifications, descriptions and organic vapor screening of all soil samples were performed in the field and are provided in the boring logs (Attachment 1). None of the samples had any discernable chemical odor, and organic vapors were detected in only two samples (GP-30-D and GP-33-D). Visible evidence of waste materials in the samples was rare and consisted chiefly of cinders or asphaltic materials. No visible evidence of gas purifier waste was observed in any of the 46 borings. However, in the vicinity of boring GP-48-D, Acres personnel observed an abnormal blue plant root discoloration suggesting the possibility of purifier waste contamination. However, visual observation of the samples taken from GP-48-D or adjacent borings did not corroborate such contamination.

3.2 Chemical Analyses Results

Table 2 summarizes the chemical analysis results for each sample. Laboratory data reports, including QA/QC data are provided in a separate document titled "Laboratory Data – NYSDOT Prospect Street Bridge Replacement Project, NYSEG Property Soil Characterization (Volumes 1-4).

The sample recovered from boring GP-23 was the only location that had contamination levels that exceeded TCLP or RCRA criteria for hazardous material. GP-23 exhibited an elevated level of 548 mg/kg-dry of reactive sulfide which exceeds the 500 mg/kg-dry RCRA hazardous material threshold.

None of the sample's contamination levels exceeded the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 recommended cleanup objective levels for volatile organic contaminants, organic pesticides, herbicides, PCBs or heavy metals.

* However, semi-volatile organic contamination levels exceeded TAGM #4046 recommended cleanup objective levels for the protection of groundwater in 32 of the 46 samples tested. Contaminant levels that exceed TAGM #4046 guidance levels are shown

The SVOC's detected are from MGP wastes. Phenol 2 or 3 D.I is misleading.

in bold type in Table 2. Sampling locations where semi-volatile contamination exceeds TAGM #4046 guidance levels are also shown in bold type in Figure 1.

Cyanide was reported (as SPLP total cyanide) in 33 of the 46 samples tested. However, reactive cyanide was reported in only three samples. In these cases, reactive cyanide concentrations ranged from 0.0429 to 0.149 mg/kg.

TAGM #4046 guidance recommends that the site-specific form(s) of cyanide be considered when establishing cleanup objectives. However, TAGM #4046 does not have established cleanup objective levels for total or reactive cyanide. Therefore, it cannot be determined whether the cleanup objective levels were or were not exceeded for samples having detectable levels of cyanide.

TABLE 1
LABORATORY ANALYSIS METHODS

Ecology and Environment, Inc.

Analytical Services Center
4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Acres International Corporation
Project: Prospect Street Bridge soil testing
Work Order: 0206185

Method References

GC Semivolatiles

PCBs by Method 8082	Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 3rd ed. 1986. Volumes.1A, 1B, 1C & Volume 2. (Includes all promulgated Updates). U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.
TCLP Herbicides by Method 8151A	
TCLP Pesticides by Method 8081A	
TPH-Diesel Range Organics by Method 8015B	

GC Volatiles

TPH-Gasoline Range Organics by Method 8015B	Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 3rd ed. 1986. Volumes.1A, 1B, 1C & Volume 2. (Includes all promulgated Updates). U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.
Volatile Organic Aromatics by GC Method 8021B	

GCMS Semivolatiles

Semivolatile Organics by Method 8270C	Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 3rd ed. 1986. Volumes.1A, 1B, 1C & Volume 2. (Includes all promulgated Updates). U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.
TCLP Semivolatile Organics by Method 8270C	

GCMS Volatiles

TCLP VOCs by Method 8260B	Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 3rd ed. 1986. Volumes.1A, 1B, 1C & Volume 2. (Includes all promulgated Updates). U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.

Mercury

Client:	Acres International Corporation
Project:	Prospect Street Bridge soil testing
Work Order:	0206185

Method References

TCLP Mercury by Method 7470A	Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 3rd ed. 1986. Volumes.1A, 1B, 1C & Volume 2. (Includes all promulgated Updates). U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.

Metals

TCLP Metals by ICP Method 6010B	Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 3rd ed. 1986. Volumes.1A, 1B, 1C & Volume 2. (Includes all promulgated Updates). U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.

WetChemistry

Anions by Ion Chromatography Method 9056	Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 3rd ed. 1986. Volumes.1A, 1B, 1C & Volume 2. (Includes all promulgated Updates). U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.
Ignitability (Flashpoint), Solids by Method 1030	
Percent Moisture	Annual Book of ASTM Standards. 1997. Volumes 11.01-11.04 (Water Methods, Atmospheric Analysis, Hazardous Substances). American Society for Testing and Materials.
pH by Method EPA 9045C	Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 3rd ed. 1986. Volumes.1A, 1B, 1C & Volume 2. (Includes all promulgated Updates). U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.
Reactive Cyanide by Method 9012A-7.3.3	
Reactive Sulfide by Method 9034-7.3.4	
SPLP - Cyanide, Total by Method 9012A	

TABLE 2

CHEMICAL ANALYSIS SUMMARY

Analyte	Boring/Sample Number															
	GP-1-I	GP-2-I	GP-3-I	GP-4-I	GP-5-I	GP-6-I	GP-7-I	GP-8-I	GP-9-I	GP-10-I	GP-11-I	GP-12-I	GP-13-I	GP-14-I	GP-15-I	GP-16-I
Gasoline Range Organics (EPA Method 8015B) mg/kg-dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.06J	1.58J	1.39J	ND	ND
Volatile Organic Compounds (EPA Method 8021B) µg/kg-dry																
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Metals (EPA Method 6010B) mg/l																
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	0.175J	0.692	0.523J	0.520J	0.294J	0.261J	0.415J	0.556	0.460J	0.695	0.532J	0.181J	0.115J	0.155J	0.130J	0.471J
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	0.342J	0.0211J	ND	0.0231J	ND	ND	ND	0.0261J	3.40	0.162J	0.291J	ND	ND	ND	ND	ND
Selenium	ND	ND	ND	ND	0.0902J	0.0832J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	0.00432J	ND	ND	ND	ND	ND	0.0559J	ND	ND
TCLP Mercury (EPA Method 7470A) mg/l																
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Italic and bold values exceed NYDEC TAGM #4046 soil cleanup objectives to protect groundwater quality.

Data Qualifiers:

J: Analyte detected below the reporting limit
ND: Not detected at the reporting limit
DNI: Did not ignite
H: Value exceeds maximum contaminant level
X: See case narrative in lab report

TABLE 2

CHEMICAL ANALYSIS SUMMARY

Analyte	Boring/Sample Number															
	GP-17-I	GP-18-I	GP-19-I	GP-20-I	GP-21-I	GP-22-I	GP-23-I	GP-24-I	GP-25-I	GP-26-D	GP-27-D	GP-28-D	GP-29-D	GP-30-D	GP-31-D	GP-32-D
Gasoline Range Organics (EPA Method 8015B) mg/kg-dry	ND	ND	ND	1.10J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Volatile Organic Compounds (EPA Method 8021B) µg/kg-dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Metals (EPA Method 6010B) mg/l																
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	0.324J	0.589J	0.103J	0.125J	0.183J	0.337J	0.113J	0.625	1.100	0.538J	0.632	0.414J	0.584J	0.607	0.753	0.572J
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	ND	ND	0.0288J	ND	2.78	0.0485J	ND	0.0241J	0.0406J	ND	ND	ND	ND	0.0236J	0.0298J	0.0913J
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Mercury (EPA Method 7470A) mg/l																
Mercury	0.000212J	ND	ND	ND	ND	0.000281J	ND	0.000211J	0.000145J	0.000187J	0.000180J	ND	ND	ND	ND	ND

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CHEMICAL ANALYSIS SUMMARY

Analyte	Boring/Sample Number													
	GP-33-D	GP-35-D	GP-36-D	GP-39-D	GP-41-S	GP-42-S	GP-43-S	GP-44-S	GP-45-S	GP-46-S	GP-47-S	GP-48-D	GP-49-D	GP-50-D
Gasoline Range Organics (EPA Method 8015B) mg/kg-dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.58J	ND	ND	ND	ND
Volatile Organic Compounds (EPA Method 8021B) µg/kg-dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Metals (EPA Method 6010B) mg/l														
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	1.13	0.757	0.605	0.705	0.573J	1.00	0.561J	0.187J	0.439J	0.601	0.610	0.450J	0.0988J	0.342J
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	0.181J	ND	ND	0.102J	0.0319J	ND	0.0494J	ND	ND	ND	ND	ND	ND	ND
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Mercury (EPA Method 7470A) mg/l														
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Italic and bold values exceed NYDEC TAGM #4046 soil cleanup objectives to protect groundwater quality.

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Analyte	Boring/Sample Number															
	GP-1-I	GP-2-I	GP-3-I	GP-4-I	GP-5-I	GP-6-I	GP-7-I	GP-8-I	GP-9-I	GP-10-I	GP-11-I	GP-12-I	GP-13-I	GP-14-I	GP-15-I	GP-16-I
TCLP Pesticides (EPA Method 8081) mg/l																
Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Herbicides (EPA Method 8151A) mg/l																
2,4,5-TP (Silvex)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-4-D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Volatile Organic Compounds (EPA Method 8260B) mg/l																
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Semivolatile Organic Compounds (EPA Method 8270C) mg/l																
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol/3-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Italic and bold values exceed NYDEC TAGM #4046 soil cleanup objectives to protect groundwater quality.

Data Qualifiers:
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TABLE 2
CHEMICAL ANALYSIS SUMMARY

Analyte	Boring/Sample Number															
	GP-17-I	GP-18-I	GP-19-I	GP-20-I	GP-21-I	GP-22-I	GP-23-I	GP-24-I	GP-25-I	GP-26-D	GP-27-D	GP-28-D	GP-29-D	GP-30-D	GP-31-D	GP-32-D
TCLP Pesticides (EPA Method 8081) mg/l																
Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Herbicides (EPA Method 8151A) mg/l																
2,4,5-TP (Silvex)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-4-D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Volatile Organic Compounds (EPA Method 8260B) mg/l																
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Semivolatile Organic Compounds (EPA Method 8270C) mg/l																
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol/3-Methyl	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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TABLE 2
CHEMICAL ANALYSIS SUMMARY

Analyte	Boring/Sample Number													
	GP-33-D	GP-35-D	GP-36-D	GP-39-D	GP-41-S	GP-42-S	GP-43-S	GP-44-S	GP-45-S	GP-46-S	GP-47-S	GP-48-D	GP-49-D	GP-50-D
TCLP Pesticides (EPA Method 8081) mg/l														
Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Herbicides (EPA Method 8151A) mg/l														
2,4,5-TP (Silvex)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-4-D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Volatile Organic Compounds (EPA Method 8260B) mg/l														
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Semivolatile Organic Compounds (EPA Method 8270C) mg/l														
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol/3-Methyl	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Diesel Range Organics (EPA Method 8015B) mg/kg-dry	161	43.8	144	14.0	649	26.3	14.5	516	98.4	190	381	19.1	18.9	10.9	22.9	34.3
Semivolatile Organics (EPA Method 8270C) µg/kg-dry																
2-Methylnaphthalene	ND	952	114J	ND	ND	ND	59.2J	ND	ND	1050J	732J	ND	ND	ND	ND	ND
Acenaphthene	ND	1080	547	ND	79.2J	ND	71.9J	313J	122J	4160	1170	ND	ND	ND	ND	ND
Acenaphthylene	270 J	232J	200J	ND	61.3J	ND	ND	536J	249J	188J	1050J	ND	ND	ND	ND	ND
Anthracene	230 J	3800	1320	48.4J	267J	63.9J	134J	1370	598J	9020	4010	50.4J	44.4J	79.5J	ND	75.2J
Benz(a)anthracene	766	***6880***	***3820***	218J	957	892	355	***4350***	2340	***15600***	***12500***	370	123J	303J	36.2J	213J
Benzo(a)pyrene	788	4330	3020	199J	791	893	267J	5000	2030	***11700***	***15900***	315J	95.3J	238J	53.7J	155J
Benzo(b)fluoranthene	4700	3320	2640	193J	747	982	266J	4400	2050	***11300***	***20500***	332J	83.6J	288J	ND	168J
Benzo(g,h,i)perylene	2080	1320	1000	78.1J	235J	322J	121J	2200	868J	3460	6130	110J	32.6J	72.9J	ND	66.5J
Benzo(k)fluoranthene	***3130***	***4960***	***2950***	235J	939	899	271J	***4900***	2180	***12500***	***15400***	355	111J	265J	52.4J	195J
Chrysene	***1320***	***6080***	***3660***	221J	***956***	***970***	395	***4390***	***2320***	***14900***	***15800***	388	132J	295J	52.2J	214J
Dibenz(a,h)anthracene	732	657	418	ND	151J	ND	ND	157J	ND	473J	636J	ND	ND	ND	ND	ND
Dibenzofuran	ND	1710	301J	ND	53.9J	ND	ND	ND	ND	2780	1390	ND	ND	ND	ND	ND
Fluoranthene	766	11900	6630	310J	1270	879	632	10100	3800	30600	19700	549	197J	518	44.8J	367
Fluorene	51.7 J	896	528	ND	95.9J	ND	62.6J	534J	166J	3580	1470	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	1360	732	482	47.3J	145J	166J	107J	888J	723J	1850	2830	86.1J	ND	40.1J	ND	ND
Naphthalene	175 J	664	69.9J	ND	62.9J	ND	65.3J	567J	144J	1960	1760	ND	ND	ND	ND	ND
Phenanthrene	618	15200	5070	151J	885	284J	525	10200	2290	29800	15200	219J	123J	354	37.4J	266J
Pyrene	1710	11300	6270	372	1530	1290	649	19000	3700	26400	20100	591	192J	645	91.8J	659
PCB (EPA Method 8082) µg/kg-dry																
Aroclor 1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Diesel Range Organics (EPA Method 8015B) mg/kg-dry	23.6	37.7	69.0	6.55J	22.4	142	18.5	65.7	29.2	145	113	6.36J	128	17.0	8.23J	24.8
Semivolatile Organics (EPA Method 8270C) µg/kg-dry																
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	78.5J	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	73.3J	108J	ND	ND	ND	117J	203J	449	456J	288J	ND	204J	146J	ND	ND
Acenaphthylene	52.3J	64.2J	ND	ND	ND	ND	67.0J	248J	72.2J	974J	ND	49.5J	ND	427J	ND	ND
Anthracene	125J	274J	296J	890	168J	ND	279J	584J	596	3760	1120J	ND	657J	742	57.4J	86.5J
Benz(a)anthracene	687	1280	1160	1750	1320	113J	810	2630	2140	***5900***	***3710***	267J	***3420***	1950	465	507
Benzo(a)pyrene	473	989	725	913	986	80.8J	542	1900	1860	4420	2460	202J	2430	1420	341J	367
Benzo(b)fluoranthene	491	1060	710	781	1020	72.5J	633	***2000***	***2880***	***4440***	***2170***	217J	***2500***	***1580***	319J	393
Benzo(g,h,i)perylene	132J	270J	298J	250J	235J	71.2J	243J	730J	745	1810J	724J	60.7J	914J	543J	112J	106J
Benzo(k)fluoranthene	600	***1310***	882	***1100***	***1190***	109J	811	***2360***	***1680***	***4700***	***2760***	266J	***2840***	***1630***	489	458
Chrysene	***643***	***1150***	***994***	***1300***	***1080***	100J	***710***	***2270***	***1940***	***5680***	***3110***	233J	***2860***	***1690***	397	***410***
Dibenz(a,h)anthracene	ND	ND	ND	ND	55.5J	ND	ND	ND	58.8J	ND	ND	ND	ND	82.2J	ND	ND
Dibenzofuran	ND	ND	ND	ND	ND	ND	77.7J	136J	227J	967J	281J	ND	ND	198J	ND	ND
Fluoranthene	868	1600	1760	2240	1120	141J	1080	3260	5140	12400	5460	295J	4380	2980	450	564
Fluorene	34.1J	75.8J	110J	196J	ND	ND	112J	222J	328J	2050J	369J	ND	208J	398J	ND	ND
Indeno(1,2,3-cd)pyrene	86.8J	165J	299J	303J	222J	ND	176J	655J	586	1700J	621J	47.7J	802J	491J	86.8J	81.2J
Naphthalene	ND	ND	ND	ND	ND	ND	50.8J	ND	184J	436J	ND	ND	ND	114J	ND	ND
Phenanthrene	505	965	1220	1630	596	43.2J	1070	2120	3910	11900	4280	89.0J	2630	2560	142J	297J
Pyrene	1040	2060	1550	1920	1170	271J	1210	3340	4360	10200	5770	323J	4380	2640	530	627
PCB (EPA Method 8082) µg/kg-dry																
Aroclor 1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	ND	21.8J	58.6	ND	ND	ND	ND	33.0	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Diesel Range Organics (EPA Method 8015B) mg/kg-dry	68.9	ND	3.87J	136	54.4	19	10.3J	42.2	29.6	875	20.0	99.8	193	118
Semivolatile Organics (EPA Method 8270C) µg/kg-dry														
2-Methylnaphthalene	ND	ND	ND	ND	88.3J	56.8J	ND	79.5J	93.8J	1690J	ND	97.7J	200J	142J
Acenaphthene	ND	ND	ND	102J	113J	ND	ND	49.8J	144J	1120J	110J	114J	262J	71.8
Acenaphthylene	ND	ND	ND	97.6J	555	130J	ND	758	329J	6860	197J	401	1680	582
Anthracene	106J	49.0J	ND	280J	478	190J	ND	299J	612	3990	350	465	1030	478
Benz(a)anthracene	422	127J	56.8J	696	1340	924	176J	749	1660	***9880***	891	1690	2050	2110
Benzo(a)pyrene	369J	99.3J	45.8J	657	1170	700	157J	506	1360	5970	711	1050	1390	1120
Benzo(b)fluoranthene	353J	124J	54.5J	615	1010	841	214J	689	***1460***	***8190***	768	***1980***	***1940***	***3170***
Benzo(g,h,i)perylene	153J	49.0J	ND	248J	1030	202J	59.8J	639	526	2910	249J	555	1280	819
Benzo(k)fluoranthene	419	122J	61.7J	780	1010	858	189J	708	1080	***7650***	697	***1980***	***1560***	***3250***
Chrysene	***440***	130J	67.6J	***724***	***1530***	***761***	188J	***964***	***1670***	***12900***	***908***	***1600***	***2530***	***2170***
Dibenz(a,h)anthracene	ND	ND	ND	44.0J	389	ND	ND	245J	267J	1550J	123J	74.1J	518	111J
Dibenzofuran	ND	ND	ND	67.6J	139J	ND	ND	60.3J	82.1J	1220J	69.4J	131J	224J	131J
Fluoranthene	765	221J	103J	1040	3810	1130	291J	1130	3250	15500	1750	1850	3750	1660
Fluorene	ND	ND	ND	127J	165J	85.0J	ND	37.3J	190J	1210J	124J	167J	214J	83.2J
Indeno(1,2,3-cd)pyrene	124J	ND	ND	124J	401J	151J	ND	1640	1150	5160	473	202J	***3460***	304J
Naphthalene	ND	ND	ND	57.1J	140J	73.9J	ND	109J	314J	3440	49.9J	164J	314J	256J
Phenanthrene	431	86.0J	71.5J	816	2060	579	154J	604	1450	9070	1010	1540	2340	1420
Pyrene	712	227J	102J	1510	1540	1170	323J	908	1760	8050	866	2210	2670	2780
PCB (EPA Method 8082) µg/kg-dry														
Aroclor 1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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SPLP Total Cyanide (EPA Method 9012A) mg/l	7.74	0.0987	0.0554	0.0172	ND	0.0145	0.278	0.153	ND	0.0314	0.0554	ND	ND	0.119	0.158	ND
Reactive Cyanide (EPA Method 9012A-7.3.3) mg/kg-dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactive Sulfide (EPA Method 9034-7.3.4) mg/kg-dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anion Analysis (EPA Method 9056) mg/kg-dry																
Chloride	3.10	5.71	4.13	4.99	5.06	ND	6.07	6.48	2.03J	6.47	9.67	3.24	3.69	3.79	5.9	9.85
Ignitability (EPA Method 1030) mm/sec	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI
pH (EPA Method 9045C) SU	7.2	8.1	8.1	8.1	8.7	8.0	8.4	8.1	7.4	8.7	9.2	9.1	8.9	9.2	8.8	8.9

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SPLP Total Cyanide (EPA Method 9012A) mg/l	ND	0.00932J	ND	ND	ND	ND	0.174	0.0936	0.0170	0.00690J	0.0125	0.00737J	0.0138	0.0170	0.00894J	0.0118
Reactive Cyanide (EPA Method 9012-7.3.3) mg/kg-dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0452J	ND	ND
Reactive Sulfide (EPA Method 9034-7.3.4) mg/kg-dry	ND	ND	ND	ND	ND	ND	548H	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anion Analysis (EPA Method 9056) mg/kg-dry																
Chloride	6.09	4.84	3.77	4.06	4.51	6.09	60.1	42.4	25.8	28.0	7.08	6.29	4.51	5.92	5.32	18.3
Ignitability (EPA Method 1030) mm/sec	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI
pH (EPA Method 9045C) SU	8.3	8.5	8.7	8.8	9.1	7.9	7.6	8.8	8.6	8.3	8.4	8.7	8.2	9.1	8.4	8.7

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SPLP Total Cyanide (EPA Method 9012A) mg/l	0.0218	0.152	0.00896J	0.0302	0.0116	ND	ND	0.0469	ND	0.700	0.119	0.127	0.788	0.176
Reactive Cyanide (EPA Method 9012A-7.3.3) mg/kg-dry	ND	ND	ND	ND	ND	0.149	ND	ND	ND	ND	ND	ND	0.0429J	ND
Reactive Sulfide (EPA Method 9034-7.3.4) mg/kg-dry	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anion Analysis (EPA Method 9056) mg/kg-dry														
Chloride	41.5	5.53	5.62	7.63	2.67	1.85J	2.74	1.87J	1.56J	ND	2.15J	7.38	8.20	22.5
Ignitability (EPA Method 1030) mm/sec	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI
pH (EPA Method 9045C) SU	7.4	7.8	7.7	7.9	7.8	7.8	7.8	8.2	8.2	7.1	7.9	7.5	7.5	7.8

Italic and bold values exceed NYDEC TAGM #4046 soil cleanup objectives to protect groundwater quality.

Data Qualifiers:

J: Analyte detected below the reporting limit
ND: Not detected at the reporting limit
DNI: Did not ignite
H: Value exceeds maximum contaminant level
X: See case narrative in lab report

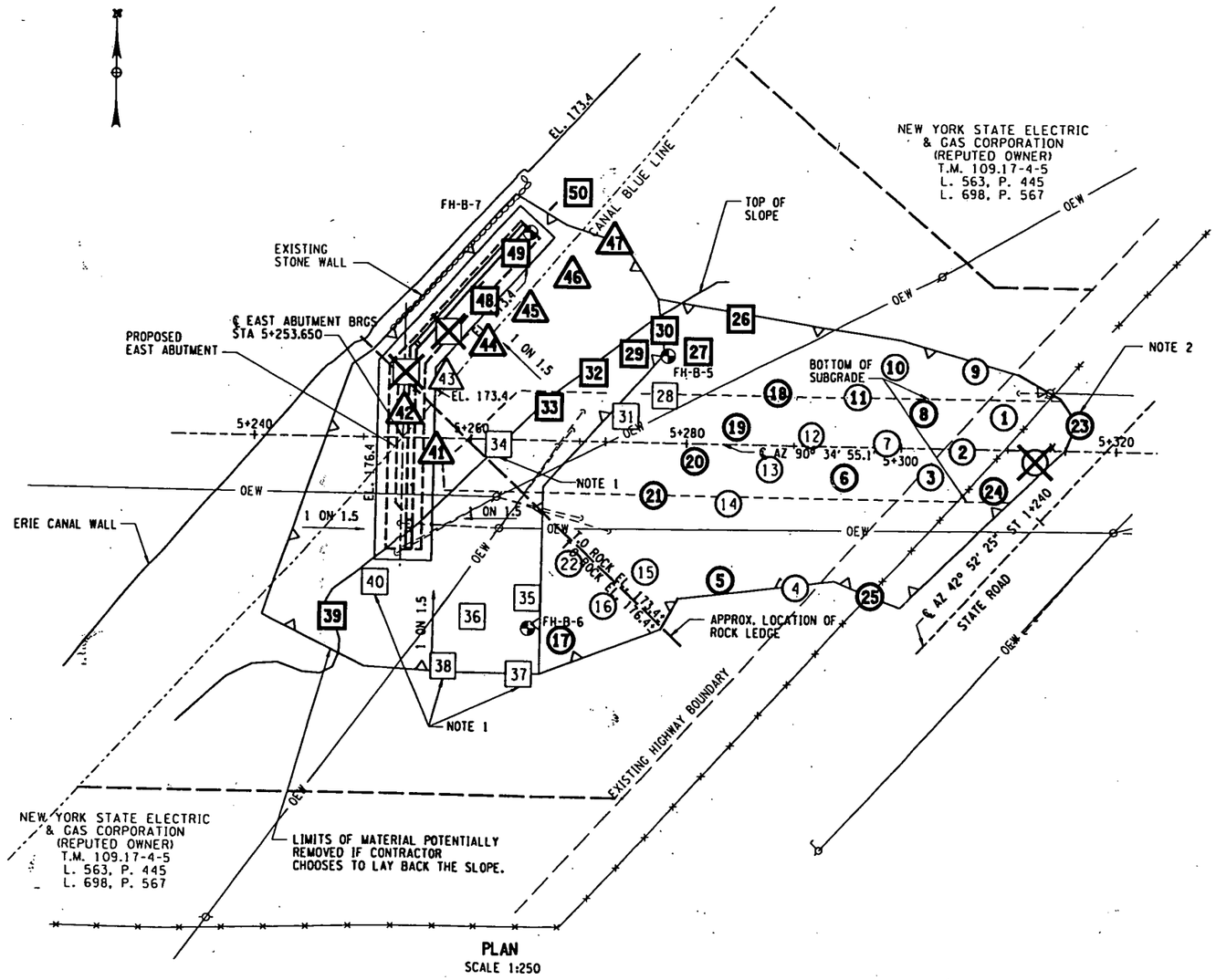
FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		1	2

PROSPECT STREET BRIDGE
OVER ERIE CANAL
CITY OF LOCKPORT, NIAGARA COUNTY

P.I.N. 5940.40 | B.I.N. 4454180

NOTE:

1. SOIL BORINGS 34, 37, 38 AND 40 WERE ABANDONED IN THE FIELD DUE TO OBSTRUCTION BY BOULDERS AND NO SOIL SAMPLES WERE COLLECTED.
2. SOILS FOUND IN BORING GP-23 EXHIBITED AN ELEVATED LEVEL OF REACTIVE SULFIDE. CHEMICAL ANALYSIS OF GP-23 HAS INDICATED A LEVEL 548 mg/kg-DRY. THIS VALUE EXCEEDS THE 500 mg/kg-DRY RCRA CRITERIA THRESHOLD FOR REACTIVE SULFIDE.



PLAN
SCALE 1:250

LEGEND

- (X) SHALLOW BORINGS (CONTAMINATION TESTING)
- (X) INTERMEDIATE BORINGS (CONTAMINATION TESTING)
- [X] DEEP BORINGS (CONTAMINATION TESTING)
- X BORING ELIMINATED

BOLD INDICATES LOCATIONS WHERE SEMI-VOLATILE ORGANIC CONCENTRATIONS EXCEED NYSDEC TAGM #4046 SOIL CLEANUP OBJECTIVES FOR PROTECTION OF GROUNDWATER QUALITY.

0 5 10 15 20 25
SCALE

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED

AS BUILT REVISIONS

SIGNATURE DATE

IN-SITU SAMPLING PLAN BORING LOCATIONS

ACRES
STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

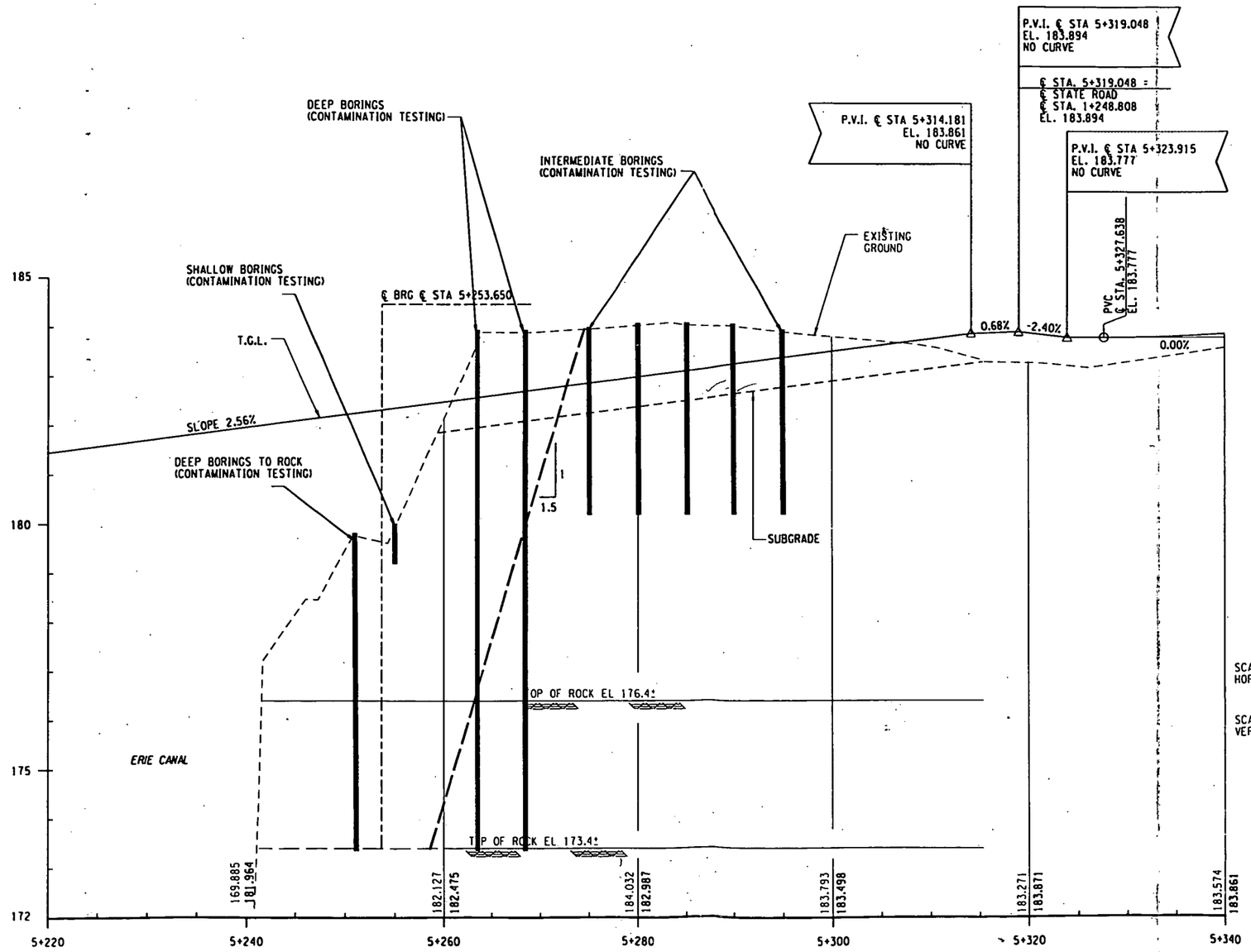
FILENAME	REGION	DATE	DRAWING NO.
IN-SITU2.DGN	FIVE	OCT 8, 2002	FIGURE 1

DESIGN SUPERVISOR ____ JOB MANAGER ____ DESIGNED BY ____ CHECKED BY ____ ESTIMATED BY ____ DRAFTED BY ____ CHECKED BY ____

FED ROAD REG. NO.	STATE	CONTRACT NO.	SHEET NO.
1	N.Y.		2

PROSPECT STREET BRIDGE
OVER ERIE CANAL
CITY OF LOCKPORT, NIAGARA COUNTY

P.I.N. 5940.40 | B.I.N. 4454180



SCALE HORIZ. 0 5 10 15 20 25

SCALE VERT. 0 1 2 3 4 5

ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTE

AS BUILT REVISIONS

SIGNATURE DATE

IN-SITU SAMPLING PROFILE

ACRES

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

FILENAME	REGION	DATE	DRAW.
IN-SITU2.DGN	FIVE	MAY 20, 2002	FIGUR

DESIGN SUPERVISOR _____ JOB MANAGER _____ DESIGNED BY _____ DRAFTED BY _____ ESTIMATED BY _____ CHECKED BY _____ CHECKED BY _____

FILENAME = DGNSYLCOL2345678901234567890123456789012345678901234
DATE/TIME = DGNSYTIMEDD123456
USER = DGNUSERNAME

ATTACHMENT 1

BORING LOGS

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-1-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. °F STARTED 9^00 A.M 6/25 1802

LOCATION (LATITUDE) (DEPARTURE) BEARING DIP ° FINISHED 9^30 A.M 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE

CORE DIAM. N/A WATER LEVELS

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	6" Brown Silt, Trace Clay	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0 - 4.0'
	2" Black Cinders								2.0' Rec
	Brown Clayey Silt Tr. coarse, Sandy Gravel. Moist	2							0.0 ppm
	FILL	3							
		4							
	Brown & Gray Silty Clay & Sandy Gravel	5							4.0 - 8.0'
	in 4" thick layers Moist FILL								1.2' Rec
		6							0.0 ppm
		7							
		8							
	Brown Silty Clay few zones coarse	9							8.0 - 12.0
	Gravel To 2" dia.								2.3' Rec
	Moist. FILL	10							0.0 ppm
		11							
		12							
	EOB @ 12'								
		13							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO GP-2-T SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 9:30 A.M. 6/25/02

LOCATION (LATITUDE) (DEPARTURE) BEARING ____ DIP ____ ° FINISHED 10:45 A.M. 6/25/02

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Red brn. Silty Clay and Fine Gravel FILL moist & dry layers approx. ½ ft thick Black cinders @ 3"-6" depth	1 2 3 4		CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.					0'-4' 1.7' Rec 0.0 ppm
FILL	Brown & Gray brown Silty Clay + moist	5 6 7							4'-8' 0.7' Rec 0.0 ppm
FILL	Gray Clayey Silt & Gravel FILL	8 9							8'-12' 2.5' Rec 0.0 ppm
FILL	Brown Silt, tr. Clay, wet	10 11							
	EOB @ 12'	12							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-3-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER _____ INSPECTOR C. Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. _____ °F STARTED 10:00 A.M. 7/25 1802

LOCATION _____ (LATITUDE) _____ (DEPARTURE) _____ BEARING _____ DIP _____ ° FINISHED 10:30 A.M. _____ 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM _____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE _____

CORE DIAM. N/A WATER LEVELS _____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

* SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

** SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

** SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Brown Silty Clay & Gray Gravel FILL dry	1		CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.					REFUSAL @ 7.5' FIRST ATTEMPT. OFFSET 4'E
	1/2' thick layers	2							0'-4'
	few sandy zones	3							2.5' Rec
		4							0.0 ppm
	As above	5							4'-8'
		6							1.5' Rec
		7							0.0 ppm
	Gray Sandy Gravel FILL	8							
SILT	Brown Silt. Wet	9							8'-12'
		10							1.2' Rec
		11							0.0 ppm
	EOB @ 12'	12							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-4-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C. Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 10:30 A.M. 6/25/02

LOCATION ____ (LATITUDE) ____ (DEPARTURE) BEARING ____ DIP ____ ° FINISHED 10:45 A.M. 6/25/02

CONTRACTOR S.J.C. ENVIRONMENTAL SVCS.

METHOD OF BORING: SOIL GEOPROBE ROCK NONE

ELEVATIONS: DATUM ____

CASING DIAM. N/A DRILL PLATFORM N/A

GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Gray and brown Silty Clay and Gravel FILL: dry	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0'-4.0' 2.2' Rec 0.0 ppm
		2							
		3							
		4							
	Gray and Gray Brown Gravel and Silty Sand FILL - dry	5							4.0-8.0' 1.5' Rec 0.0 ppm
		6							
		7							
		8							
	As above	9							8.0'-12.0' 2.5' Rec 0.0 ppm
		10							
TILL	Brown Clayey Silt, Tr. Clay & Sand, thin organic band, Moist	11							
		12							
	EOB @ 12'								

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 HOLE NO. GP-5-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F — STARTED 10:45 AM 6/25/ 1902

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° — FINISHED 11:00 A.M ____ 1902

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS.

METHOD OF BORING: SOIL GEOPROBE — ROCK NONE

ELEVATIONS: DATUM ____ — CASING DIAM. N/A — DRILL PLATFORM N/A — GROUND SURFACE ____ — CORE DIAM. N/A — WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, FAIR, DISTURBED, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	6" Brown Sand 3" Black Cinders (6-9") 3" Brown Sandy Clay, Moist Below 1': Gray Gravel some Sand. Dry	1 2 3		CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.					0.0 - 4.0 2.2' Rec 0.0 ppm
FILL	As above	4 5 6							4.0' - 8.0' 2.0' Rec 0.0 ppm
TILL	Brown-Gray Brown Silty Clay; Stiff, moist	7 8 9 10 11							8.0 - 12.0' 2.3' Rec 0.0 ppm
	EOB @ 12'	12							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 HOLE NO GP-6-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F — STARTED 11:00 A.M. 6/25/02

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° — FINISHED 11:45 A.M. 6/25/02

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS.

METHOD OF BORING: SOIL GEOPROBE — ROCK NONE

ELEVATIONS: DATUM ____ — CASING DIAM. N/A — DRILL PLATFORM N/A — GROUND SURFACE ____ — CORE DIAM. N/A — WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	0'-1' Brown Sandy Silt, Tr. Clay FILL	1		CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.					0.0' - 0.4' 2.3' Rec 0.0 ppm
	Sand & Gravel, few silty zones FILL	2							
		3							
		4							4.0' - 8.0' 1.5' Rec 0.0 ppm
	As above	5							
		6							
		7							
		8							8.0' - 12.0' 2.5' Rec 0.0 ppm
	Gray brown Silt & Clay wet FILL 10'-11'	9							
		10							
TILL	Brown Silty Clay Tr. Gravel moist, stiff	11							
	EOB @ 12'	12							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-7-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 11:15 A.M. 6/25 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED 11:35 A.M. 1802

CONTRACTOR SLC ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, FAIR, DISTURBED, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Gray Sandy Gravel & Brown Sandy Clay FILL 6" layers	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0'-4.0' 1.4' Rec 0.0 ppm
	Clayey Silt & Gravel FILL	3							
	Gravel is dry Clayey silt is Moist	4 5							4.0'-8.0' 1.2' Rec 0.0 ppm
		6 7 8							
TILL	Brown Clayey Silt Tr. organics or peat Moist few mica grains	9 10 11							8.0'-12.0' 1.5' Rec 0.0 ppm
	EOB @ 12'	12							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-8-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. °F STARTED 11:35 A.M. 6/25 1802

LOCATION (LATITUDE) (DEPARTURE) BEARING DIP ° FINISHED 12:15 A.M. 1802

CONTRACTOR SLC ENVIRONMENTAL SVCS. ELEVATIONS: DATUM

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE

CORE DIAM. N/A WATER LEVELS

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	4" Brown Sand & Gravel 3" Black Cinders	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					MOVED HOLE TWICE TO AVOID OBSTRUCTION @ 3.5' DEPTH. DRILLED 2' W OF STAKE
	Gray Silty Clay & Gravel. Very moist to wet	2							0.0'-4.0' 1.8' Rec 0.0 ppm
		3							
		4							4.0'-8.0' 1.4' Rec 0.0 ppm
		5							
		6							
		7							
		8							8.0'-12.0' 1.2' Rec 0.0 ppm
	As above, few wet zones	9							
		10							
		11							
		12							
	EOB @ 12'								

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 HOLE NO GB-9-T SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F — STARTED 13[00] P.M. 6/25/02

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° — FINISHED 13[30] P.M. 6/25/02

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS.

METHOD OF BORING: SOIL GEOPROBE — ROCK NONE

ELEVATIONS: DATUM ____

CASING DIAM. N/A — DRILL PLATFORM N/A

GROUND SURFACE ____

CORE DIAM. N/A — WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

* SAMPLE CONDITION: GOOD, FAIR, DISTURBED, LOST

** SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

** SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Sand & Gravel, Silty Clay in 1' thick layers. 1' Black Cinders @ 1.5' FILL V. moist to wet	1 2 3		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					REFUSAL @ 8' FIRST ATTEMPT. REDRILLED 2' E. OF STAKE 0.0-4.0' 2.5' Rec 0.0 ppm
	Brown Silty Clay & Gravel. Some brick fragments FILL. Very moist	4 5 6 7							4.0-8.0' 1.1' Rec 0.0 ppm
	As above ½' thick hard & soft zones	8 9							8.0-9.3' 1.3' Rec 0.0 ppm
	EOB @ 10'. REFUSAL	10 11 12							

Field Borehole Log

ACRES

GP-10-I

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. ____ SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 1:30 P.M. 6/25 19 02

LOCATION (LATITUDE) (DEPARTURE) BEARING ____ DIP ____ ° FINISHED 1:50 P.M. ____ 19 02

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS.

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A ELEVATIONS: DATUM ____

ROCK NONE DRILL PLATFORM N/A

GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Brown & Red Gravel, Brick, Clayey Sand FILL	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0 - 4.0'
		2							2.0' Rec
									0.0 ppm
		3							
	As above	4							4.0 - 8.0'
		5							2.1' Rec
									0.0 ppm
		6							
		7							
	Gray below 8'	8							8.0 - 12.0'
	Very moist to wet below 9'	9							1.8' Rec
									0.0 ppm
		10							
		11							
	EOB @ 12'	12							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-11-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 1430 P.M. 6/25 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED 1430 P.M. ____ 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Brown, red brown, gray, Silt & Gravel, some brick, few bands cinders 1" thick. FILL moist - very moist	1 2 3		CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.					REFUSAL @ 2' MOVED 2' E OF STAKE 0.0 - 4.0' 2.8' Rec 0.0 ppm
	As above hard @ 5 - 5.5'	4 5 6							4.0 - 8.0' 1.5' Rec 0.0 ppm
	Gray Sandy Gravel, Tr. Silt & clay. FILL below 9' moist	7 8 9 10							8.0 - 12.0 2.3' Rec 0.0 ppm
	EOB @ 12'	11 12							

Field Borehole Log

GP-12-I

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. ____ SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 1430 PM 6/25 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED 1500 M ____ 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. / DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	6" Brown Silty Clay FILL	1		CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.					0.0 - 4.0
									2.3' Rec
	Gray Gravel & Silty Sand FILL	2							0.0 ppm
		3							
	Generally dry with sl. moist zones	4							
									4.0 - 8.0'
		5							2.5' Rec
	As above								0.0 ppm
		6							
		7							
		8							
									8.0 - 12.0'
	As above	9							2.1' Rec
									0.0 ppm
		10							
		11							
		12							
	EOB @ 12'								

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-13-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. °F STARTED 15⁰⁰ P.M. 6/25 18.02

LOCATION (LATITUDE) (DEPARTURE) BEARING DIP ° FINISHED 15¹⁵ P.M 18.02

CONTRACTOR S.J.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE

CORE DIAM. N/A WATER LEVELS

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

* SAMPLE CONDITION: GOOD, FAIR, DISTURBED, LOST

** SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

** SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. – DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	3" Brown Silty Gravel dry	1		CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.					0-4'
									1.7' Rec
									0.0 ppm
	Gray & Gray brown Silty Gravel, dry To slightly moist FILL	2							
		3							
		4							
									4-8'
	As above	5							0.8' Rec
									0.0 ppm
		6							
		7							
		8							
									8-12'
	As above	9							1.7' Rec
									0.0 ppm
		10							
		11							
		12							
	EOB @ 12'								

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 — HOLE NO. GP-14-I — SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ — INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F — STARTED 1515 P.M 6/25 18.02

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° — FINISHED 1546 P.M 18.02

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. — ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE — CASING DIAM. N/A — DRILL PLATFORM N/A

ROCK NONE — GROUND SURFACE ____

CORE DIAM. N/A — WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

* SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

** SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

** SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	4" Brown Silty Clay			CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0 - 4.0'
	Brown & Gray Brown Gravel & Silty Sand FILL	1							2.0' Rec
									0.0 ppm
	Generally dry to moist with few moist zones 4"-6" thick	2							
		3							
		4							
									4.0 - 8.0'
		5							1.5' Rec
	As above								0.0 ppm
		6							
		7							
		8							8.0 - 12.0
	As Above	9							1.0' Rec
									0.0 ppm
		10							
		11							
		12							
	EOB @ 12'								

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-15-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET over ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 15:40 P.M 6/25 1802

LOCATION (LATITUDE) (DEPARTURE) BEARING ____ DIP ____ ° FINISHED 16:00 P.M ____ 1802

CONTRACTOR S.J.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

* SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

** SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

** SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Gray Silty Sand Coarse, Black cinders 3"-6"	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0-4.0' 1.9' Rec 0.0 ppm
	Gray Gravel, Sand & Silt. Dry FILL	4 5							4.0-8.0' 0.9' Rec 0.0 ppm
	Brown Silty Clay & Gravel Wet @ 8' FILL	8 9							8.0-12.0' 1.0' Rec 0.0 ppm
	Hard @ 11'	11							
	EOB @ 12'	12							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-16-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 1600 P.M 6/25 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED 1615 P.M ____ 1802

CONTRACTOR SLC ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE CORE DIAM. N/A GROUND SURFACE ____ WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RETD. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
	Brown & Gray Silty Sand & Gravel	1							0.0-4.0'
	in 6" To 1' layers								2.0' Rec
	Generally slightly moist to dry	2							0.0 ppm
		3							
	As above	4							4.0-8.0'
	Very moist @ 4.5-5'	5							1.2' Rec
		6							0.0 ppm
		7							
	As above	8							8.0-12.0'
		9							2.2' Rec
	Very moist @ 9'	10							0.0 ppm
		11							
	EOB @ 12'	12							

CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-17-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET over ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 08[00] A.M 6/26 1802

LOCATION (LATITUDE) (DEPARTURE) BEARING ____ DIP ____ ° FINISHED 08[30] AM 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

* SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

** SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

** SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	6" Brn Silty Sand, Tr. Clay, Some Gravel	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0-4.0'
									2.4' Rec
	Gray Silty Sand & Gravel, few brown layers FILL	2							0.0 ppm
		3							
		4							
	As Above								4.0-8.0'
		5							1.3' Rec
									0.0 ppm
		6							
		7							
		8							
	As Above								8.0-12.0'
		9							2.1' Rec
									0.0 ppm
TILL	Brown Silty Clay, Some Gravel, 2" Thick organic layer @ 8.5'	10							
		11							
	EOB @ 12'	12							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-18-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. °F STARTED 0830 A.M 6/26 1802

LOCATION (LATITUDE) (DEPARTURE) BEARING DIP ° FINISHED 0930 A.M 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE

CORE DIAM. N/A WATER LEVELS

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	6" Brown Silty Sand & Gravel								0.0-4.0'
	Gray Silty Sand & Gravel, Trace glass & brick fragments To 3'. Dry	1							2.7' Rec
	FILL	2							0.0 ppm
		3							
		4							
	Brown Silty Clay & Gravel. Very moist								4.0-8.0'
	Few yellow inclusions	5							1.4' Rec
	FILL								0.0 ppm
		6							
		7							
		8							
	Brown Silty Clay & Gravel. ½" thick								8.0-12.0'
	black layer @ 8.1'	9							1.5' Rec
	FILL								0.0 ppm
		10							
		11							
		12							
	EOB @ 12'								

CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-19-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER _____ INSPECTOR C. Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. _____ °F STARTED 9^00 A.M. 6/26 1802

LOCATION _____ (LATITUDE) _____ (DEPARTURE) BEARING _____ DIP _____ ° FINISHED 9^30 A.M. _____ 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM _____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE _____

CORE DIAM. N/A WATER LEVELS _____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	3" Brown Silty Sand & Gravel, Dry	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0 - 4.0 2.4' Rec 0.0 ppm
	Gray Silty Sand & Gravel. Dry FILL	2							
		3							
		4							
	As Above	5							4.0 - 8.0' 1.8' Rec 0.0 ppm
		6							
		7							
		8							
	As Above	9							8.0' - 12.0' 1.3' Rec 0.0 ppm
		10							
		11							
		12							
	EOB @ 12'								

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-20-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. °F STARTED 0930 A.M 6/26 18.02

LOCATION (LATITUDE) (DEPARTURE) BEARING DIP ° FINISHED 0945 A.M 18.02

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE

CORE DIAM. N/A WATER LEVELS

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	12" Brown Silty Sand & Gravel	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0-0.4'
									1.3' Rec
									0.0 ppm
	Gray Silty Sand & Gravel Dry FILL	2							
	Few moist zones	3							
		4							
	As Above	5							4.0-8.0'
									2.0' Rec
		6							0.0 ppm
		7							
		8							
	As Above	9							8.0-12.0'
									2.0' Rec
		10							0.0 ppm
		11							
		12							
	EOB @ 12'								

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-21-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 9:45 A.M. 6/26 1802

LOCATION (LATITUDE) (DEPARTURE) BEARING ____ DIP ____ ° FINISHED 10:00 A.M. ____ 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS.

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

ELEVATIONS: DATUM ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

* SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

** SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

** SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	3" Brown Silty Sand & Gravel. Tr. Clay. Dry	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0'-4.0' 1.7' Rec 0.0 ppm
	Gray Silt, Sand & Gravel Trace Clay Dry.	2							
	FILL	3							
	As Above	4							4.0-8.0' 1.8' Rec 0.0 ppm
		5							
		6							
		7							
	As Above	8							8.0'-12.0' 1.5' Rec 0.0 ppm
		9							
		10							
		11							
	EOB @ 12'	12							

Field Borehole Log

ACRES

GP-22-I

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. ____ SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 10^00 A.M. 6/26 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED 10^30 A.M. ____ 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. – DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	2" Brn Silty Sand Tr. Gravel			CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0 - 4.0'
	4" Black Cinders & Fine Gravel	1							1.3' Rec
									0.0 ppm
	Gray Silty Sand & Gravel. Dry FILL	2							
		3							
		4							
	As Above	5							4.0 - 8.0'
									0.7' Rec
		6							0.0 ppm
		7							
		8							
	As Above								8.0 - 12.0'
		9							2.0' Rec
									0.0 ppm
FILL	Brn. Silty Clay, Some Gravel. Tr. brick frag's few yellow inclusions	10							
	Moist, Stiff FILL	11							
	EOB @ 12'	12							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-23-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 12^00 P.M. 6/26 1902

LOCATION (LATITUDE) (DEPARTURE) BEARING ____ DIP ____ ° FINISHED 12^15 M 1902

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE CORE DIAM. N/A GROUND SURFACE ____

WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A- SPLIT TUBE; B- THIN WALL TUBE; C- PISTON SAMPLER; D- CORE BARREL; E- AUGER; F- WASH; K- SLOTTED SAMPLER

**SHIPPING CONTAINER: N- INSERT; O- TUBE; P- WATER CONTENT TIN; Q- GLASS JAR; R- CLOTH BAG; S- PLIOFILM BAG; Y- CORE BOX; Z- DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	6" Red brown Silty Sand			CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0-4.0
	6" Gray Silt, Sand, Gravel	1							2.8' Rec
	1" Red brown "rusty" sand band @ 1.2'	2							0.0 ppm
		3							
		4							
	Red brown & Gray Silty Clay & Gravel	5							4.0-8.0'
	Moist FILL								1.4' Rec
		6							0.0 ppm
		7							
	Hard 7-8'								
	As Above	8							8.0-12'
		9							3.0' Rec
TILL	Red brown Sandy Silt some Clay, Tr. Gravel								0.0 ppm
	V. moist to wet Dense	10							
		11							
	EOB @ 12'	12							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 HOLE NO. GP-24-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F STARTED ____ .M 10:02

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° FINISHED ____ .M 10:02

CONTRACTOR S.J.C. ENVIRONMENTAL SVCS. — ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE — CASING DIAM. N/A — DRILL PLATFORM N/A

ROCK NONE — CORE DIAM. N/A — GROUND SURFACE ____ — WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	1' Gray Silt & Topsoil 1" Thick red-brown "rusty" layer @ 1.0'	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					Refusal @ 7' Refusal @ 9' offset 1' N of Stake 0.0-4.0' 3.0' Rec 0.0 ppm
	Gray Silty Clay & Gravel FILL	2 3							
	As Above	4							4.0-8.0' 0.8' Rec 0.0 ppm
	Hard @ 6'	5 6							
	As Above	7 8							8.0-9.0' 0.5' Rec
	Refusal @ 9.0'	9 10 11 12							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-25-I SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 11:15 M 4/26/02

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED 11:50 M 4/26/02

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

* SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

** SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

** SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Gray brown silty Sand & Gravel. Few reddish brown sand layers 3-4" thick Dry FILL	1 2 3							0.0-4.0' 2.0' Rec 0.0 ppm
FILL	Gray Silty Clay & Gravel moist - Very moist FILL	4 5 6 7							4.0-7.5' 1.2' Rec 0.0 ppm
	Refusal @ 7.5'	8 9 10							

CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-26-D SHEET NO. 1 OF 2

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 1300 P.M 6/26 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED 1400 P.M 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. – DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Brown & Gray brown Silty Clay & Gravel	1		CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.					0.0 - 4.0
	1" black cinders & glass layer @ 2', Moist	2							3.2' Rec
	FILL								0.0 ppm
		3							
		4							
	More Gravel (10-20%) To 8'								4.0 - 8.0'
	4" black cinders band @ 6'	5							2.5' Rec
		6							0.0 ppm
		7							
		8							
	Brown & Gray brown Silty Clay & Gravel	9							8.0 - 12.0'
	few cinders & brick fragments in layers To 4" thick	10							1.1' Rec
	moist to very moist								0.0 ppm
	FILL	11							
		12							
	As Above								12.0 - 16'
		13							1.2' Rec
									0.0 ppm
		14							

Field Borehole Log

ACRES

JOB NO. P12165 HOLE NO. GP-26-D SHEET NO. 2 OF 2

	15	Pushed rock from 16'
Presumed as Above	16	16.0 - 20.0'
	17	0.2' Rec
	18	0.0 ppm
	19	
	20	
Gray brown Silty Clay & Gravel stiff, moist FILL	21	20.0 - 24.0'
	22	1.5' Rec
	23	0.0 ppm
	24	
As Above	25	24 - 27.8'
6" fine Gravel layer @ 26.5'	26	1.3' Rec
	27	0.0 ppm
	28	
Refusal @ 27.8'	29	
	30	

FILL

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-27-D SHEET NO. 1 OF 2

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 1540 P.M. 6/26 1902

LOCATION ____ (LATITUDE) ____ (DEPARTURE) BEARING ____ DIP ____ ° FINISHED 1540 P.M. 6/26 1902

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE CORE DIAM. N/A GROUND SURFACE ____ WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Brown Silty Sand & Gravel. Few brick Fragments @ 1.5' Dry. FILL	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0-4.0' 2.0' Rec 0.0 ppm
	As Above	8							8.0-12.0' 1.3' Rec 0.0 ppm
	Brown Silty Clay Tr. To some Sand & Gravel Dark Gray with wood @ 12.5-13.0'	12							12.0-16.0' 1.2' Rec 0.0 ppm
	Brown Silty Clay, some Sand & Gravel moist to Very moist @ 5.5'	4							4.0-8.0' 2.3' Rec 0.0 ppm

Field Borehole Log

ACRES

JOB NO. P12165 HOLE NO. GP-27-D SHEET NO. 2 OF 2

FILL	oily appearance and slight sulferous odor. ¼" thick black, oily band @ 16'	15 16 17 18 19 20	16.0 - 20.0' 1.6' Rec 0.0 ppm
ALLUVIUM / TILL	Brown Silty Clay & Gravel. Very moist, Soft, few gray bands	21 22 23 24	20.0 - 24' 2.2' Rec 0.0 ppm
	As Above	25 26 27 28	24.0 - 28.0' 1.2' Rec 0.0 ppm
	Gray brown Silty Clay & Gravel. Wet, Soft	29 30 31	28.0 - 31.0' 0.8' Rec 0.0 ppm Coarse gravel piece blocked Sampler Tip
	Refusal @ 31.0'	32 33	

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-28-D SHEET NO. 1 OF 2

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 08^00 A.M 6/27 18.02

LOCATION ____ (LATITUDE) ____ (DEPARTURE) BEARING ____ DIP ____ ° FINISHED 09^00 A.M ____ 18.02

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Brown & Red Brown, Silty Sand & Gravel, Dry FILL	1		CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.					OFFSET 5' S OF STAKE TO EQUALIZE SPACING
		2							0.0 - 4.0'
		3							1.2' Rec
		4							0.0 ppm
	Gray, Silty Sand & Gravel, Dry FILL	5							4.0 - 8.0'
		6							2.0' Rec
		7							0.0 ppm
	As Above	8							8.0 - 12.0'
		9							2.0' Rec
		10							0.0 ppm
		11							
	As Above	12							12.0 - 16.0'
		13							2.0' Rec
		14							0.0 ppm

Field Borehole Log

ACRES

JOB NO. P12165 HOLE NO. GP-28-D SHEET NO. 2 OF 2

FILL	Gray Silty Sand & Gravel, Dry FILL	15		
		16		16.0-20.0'
	Gray brown Silty Clay, Some Sand & Gravel, Few yellow brown inclusions @ 16.5' FILL	17		2.0' Rec
		18		0.0 ppm
		19		
	Gray Sand & Gravel Dry FILL	20		
		21		20.0-24.0'
ALLUVIUM	Red brown Silt, some Sand & Gravel Saturated	22		1.7' Rec.
		23		0.0 ppm
	Refusal @ 23'	24		
		25		
		26		
		27		
		28		
		29		
		30		

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 | JOB NO. P12165 | HOLE NO. GP-29-D | SHEET NO. 1 OF 2

PROJECT PROSPECT STREET OVER ERIE CANAL | WEATHER | INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 | TEMP. °F | STARTED 9^00 A.M 10/02

LOCATION (LATITUDE) (DEPARTURE) | BEARING | DIP ° | FINISHED 10^15 A.M 10/02

CONTRACTOR SLC ENVIRONMENTAL SVCS. | ELEVATIONS: DATUM

METHOD OF BORING: SOIL GEOPROBE | CASING DIAM. N/A | DRILL PLATFORM N/A

ROCK NONE | GROUND SURFACE

CORE DIAM. N/A | WATER LEVELS

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, FAIR, DISTURBED, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Brown Silty Clay & Gravel. Dry FILL	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					OFFSET 5.5'S OF STAKE 0.0 - 4.0' 2.0' Rec 0.0 ppm
		2							
		3							
		4							
	Brown Sandy Clay & Gravel. Moist FILL	5							4.0 - 8.0' 2.4' Rec 3.2 ppm
		6							
		7							
		8							
	As Above To 12.5'	9							8.0 - 12.0' 1.2' Rec 0.0 ppm
		10							
		11							
		12							
	Gray Gravel & Sand w/ moist, brown Silty Clay layers	13							12.0 - 16.0' 2.6' Rec 0.0 ppm
		14							

Field Borehole Log

ACRES

JOB NO. P12165 HOLE NO. GP-29-D SHEET NO. 2 OF 2

	15	
	16	16.0 - 20.0'
Gray Sandy Gravel few gray brown Silty Clay layers to 6" thick	17	2.2' Rec
		0.0 ppm
FILL	18	
	19	
	20	
		20.0 - 24.0'
As Above	21	1.8' Rec
		0.0 ppm
	22	
	23	
FILL	24	
		24.0 - 28.0'
Brown Silty Clay, some Gravel moist to very moist	25	2.5' Rec
		0.0 ppm
	26	
	27	
	28	
Gray brown Sand & Gravel. Silty Clay band @ 31-31.2'		28.0 - 31.2'
	29	1.9' Rec
Gravel dry, clay moist		1.5 ppm
	30	
	31	
Refusal @ 31.2'	32	
	33	

Field Borehole Log

ACRES

GP-30-D

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. ..... SHEET NO. 1 OF 2

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ..... INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ..... °F STARTED 11⁰⁰ A.M 6/27 1802

LOCATION ..... (LATITUDE) ..... (DEPARTURE) ..... BEARING ..... DIP ..... ° FINISHED 1145 A.M 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM .....

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE .....

CORE DIAM. N/A WATER LEVELS .....

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

* SAMPLE CONDITION: GOOD, FAIR, DISTURBED, LOST

** SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

** SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Brown Clayey Silt & Gravel, Few 1" thick layers of cinders or asphalt FILL	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					OFFSET 7' SW OF STAKE TO AVOID INTERFERENCE
		2							0.0 - 4.0'
		3							3.1' Rec
		4							2.7 ppm @ 2.8'
	Similar To Above but less Gravel Moist @ 4-7' FILL	5							4.0 - 8.0'
		6							2.7' Rec
		7							0.0 ppm
	few brick fragments	8							8.0 - 12.0'
		9							2.6' Rec
	Gray Clayey Silt and Gravel, moist below 10.5' FILL	10							0.0 ppm
		11							
		12							12.0 - 16.0'
		13							1.7' Rec
		14							0.0 ppm

Field Borehole Log

ACRES

JOB NO. P12165 HOLE NO. GP-30-D SHEET NO. 2 OF 2

FILL	Gray Clayey Silt and Gravel Moist FILL	15	
	few brick fragments @ 16'	16	16.0-20.0'
	Gravel layers dry	17	1.9' Rec
		18	0.0 ppm
		19	
	As Above	20	20.0-24.0'
		21	2.3' Rec
TILL	Gray brown Silty Clay & Gravel Very Moist TILL	22	0.0 ppm
		23	
		24	24.0-28.0
		25	2.0' Rec
AL	Red brown Silt	26	0.0 ppm
ALLUVIUM	Gray and Gray green Silt & Gravel. Saturated	27	
		28	28.0-31.8'
	Brown & Gray Silt and Gravel bands 2"-6" thick. Very moist. Silt bands saturated	29	1.9' Rec
		30	0.0 ppm
		31	
	Refusal @ 31.8'	32	
		33	

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-31-D SHEET NO. 1 OF 2

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 1300 P.M. 6/27 1502

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED 1340 P.M. ____ 1502

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE ____ GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Brown Silt & Gravel 3" thick, Black Clayey layer @ 1.0' Gray Gravel below 1.5'. Dry. FILL	0–2		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					TWO ATTEMPTS DEFLECTED @ SURFACE OFFSET 4.5' SE OF STAKE 0.0 - 4.0' 2.6' Rec 0.0 ppm
		3							
	Gray Gravel, Some Sand & silt. Few brown clayey layers few cinders & brick fragments. Dry To 7', moist below FILL	4–7							4.0 - 8.0' 1.4' Rec 0.0 ppm
	As Above	8–11							8.0 - 12.0' 1.8' Rec 0.0 ppm
	Layered gray brown Silty Clay and Gravel. Clay moist, Gravel dry.	12–14							12.0 - 16.0' 1.3' Rec 0.0 ppm

Field Borehole Log

ACRES

JOB NO. P12165 HOLE NO. GP-31-D SHEET NO. 2 OF 2

		15							
FILL	Layered gray Silty Clay and Gravel	16							16.0-20.0'
	Clay moist, Gravel dry. FILL	17							1.9' Rec
									0.0 ppm
		18							
		19							
		20							
FILL	Gray brown & yellow mottled Silty Clay								20.0-22.0'
		21							2.0 Rec
ALL.	Red brown Silt, Some Gravel. V dense								0.0 ppm
	Refusal @ 22'	22							
		23							
		24							
		25							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 HOLE NO. GP-32-D SHEET NO. 1 OF 2

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F — STARTED 1500 P.M. 6/27 1902

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° — FINISHED 1535 .M ____ 1902

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. — ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE — CASING DIAM. N/A — DRILL PLATFORM N/A

ROCK NONE — GROUND SURFACE ____

CORE DIAM. N/A — WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	6" Brown Silty Sand Gray Sandy Gravel and Silty Sand, few brick fragments. Dry FILL	1 2		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					OFFSET 5' SE FROM STAKE 0.0 - 4.0' 1.6' Rec 0.0 ppm
	Layered, brown Silty Clay and gray Gravel FILL Gravel dry, Clay moist	3 4 5 6							4.0 - 8.0' 1.3' Rec 0.0 ppm
	As Above	7 8 9 10							8' - 12' 1.3' Rec 0.0 ppm
	As Above	11 12 13 14							12' - 16' 1.0' Rec 0.0 ppm

Field Borehole Log

ACRES

JOB NO. P12165 HOLE NO. GIP-32-D SHEET NO. 2 OF 2

FILL	Brown, Silty Clay & Gray Gravel FILL	16	16.0 - 20.0'
			2.0' Rec
			0.0 ppm
TILL	Brown Silty Clay & Gravel, Moist, Stiff TILL	17	
		18	
		19	
		20	
	As Above		20.0 - 24.0'
		21	1.3' Rec
			0.0 ppm
		22	
		23	
		24	
	As Above		24.0 - 28.0'
		25	0.9' Rec
			0.0 ppm
		26	
		27	
		28	
	Brown, Silty Clay & Gravel, Moist		28.0 - 31.8'
		29	0.3' Rec
			0.0 ppm
		30	
	Hard @ 31'	31	
	Refusal @ 31.8'	32	
		33	

Field Borehole Log

ACRES

GP-33-D

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. ____ SHEET NO. 1 OF 2

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 08^00 A.M. 6/28 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED 09^00 A.M. ____ 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
	6" Brn. Clayey Silt, Gravel & Concrete Frags. Moist, No Odor or Stains FILL (4-10ppm)	1							MOVED 3 TIMES TO AVOID OBSTRUCTIONS
		2							OFFSET 4' SE OF STAKE
									0.0' - 4.0'
		3							1.4' Rec
									4-10 ppm @ Si Clay
		4							
	Clayey Silt & Sand, few brick fragments moist FILL (7 ppm)	5							4.0-8.0'
									0.5' Rec
									7 ppm @ 4.5'
		6							
		7							
		8							
	Gray Silty Sand & Gravel, Dry FILL								8.0-12.0'
		9							1.5' Rec
									0.0 ppm
		10							
		11							
		12							
	As Above								12.0-16.0'
		13							0.9' Rec
									0.0 ppm
		14							

CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.

Field Borehole Log

ACRES

JOB NO. P12165 HOLE NO. GP-33-D SHEET NO. 2 OF 2

FILL	Gray Silty Sand & Gravel FILL	15	
	As Above to 17.2'	16	16.0-20.0'
		17	2.2' Rec 0.0 ppm
TILL	Brown Silty Clay Some Sand & Gravel V. Stiff to hard, moist TILL	18	
		19	
		20	20.0-22.5
ALLUV.	Red Brown Silty Sand, Some Gravel Saturated ALLUVIUM	21	2.0' Rec 0.0 ppm
	Refusal @ 22.5'	22	
		23	
		24	
		25	
		26	
		27	
		28	

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-34-D SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 10:00 A.M. 6/28 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED 11:00 A.M. ____ 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A- SPLIT TUBE; B- THIN WALL TUBE; C- PISTON SAMPLER; D- CORE BARREL; E- AUGER; F- WASH; K- SLOTTED SAMPLER

**SHIPPING CONTAINER: N- INSERT; O- TUBE; P- WATER CONTENT TIN; Q- GLASS JAR; R- CLOTH BAG; S- PLIOFILM BAG; Y- CORE BOX; Z- DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
	Brown Clayey Silt & Gravel, Trace Tar & Yellow inclusions To 1.3'	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					MOVED 5 TIMES TO AVOID OBSTRUCTIONS AT 2 TO 7.5' DEPTHS
	LIMESTONE/DOLOSTONE BLOCKS OR BOULDERS Refusal @ 2'-7'	2							0.0-4.0'
	BORING ABANDONED	3							1.3' Rec
		4							0.0 ppm
		5							NO ANALYTICAL SAMPLE COLLECTED
		6							
		7							
		8							
		9							
		10							
		11							
		12							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 — HOLE NO. GP-35-D — SHEET NO. 1 OF 2

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ — INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F — STARTED 11^00 A.M. 6/28 18.02

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° — FINISHED 11^30 A.M. ____ 18.02

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. — ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE — CASING DIAM. N/A — DRILL PLATFORM N/A

ROCK NONE — GROUND SURFACE ____

CORE DIAM. N/A — WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	6" Brown Silty Clay & Gravel. Trace Cinders @ 1' FILL	1		CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.					0.0-4.0' 2.1' Rec 0.0 ppm
FILL	Layered Gray Gravel and Silty Clay FILL	2 3							
FILL	Gray Silty Gravel w/ few Silty Clay layers. Dry FILL	4 5							4.0-8.0' 1.9' Rec 0.0 ppm
FILL	As Above	6 7 8							8.0-12.0' 1.3' Rec 0.0 ppm
TILL	Brown Silty Clay & Gravel. Moist TILL	9 10 11							
TILL	As Above w/ black & yellow mottles To 14.5' Plant roots @ 14.5'	12 13 14							12.0-16.0' 3.0' Rec 0.0 ppm

ACRES

Field Borehole Log

JOB NO. P12165 HOLE NO. GP-35-D SHEET NO. 2 OF 2

Brown Silty Clay & Gravel, Moist. TILL	15	
Red Brown, Clayey Silt Some Sand & Gravel	16	16.0 - 20.0'
		2.0' Rec
Grades to Silty Sand	17	0.0 ppm
Some Gravel Below 17' Wet	18	
	19	
	20	
As Above but Gray brown color		20.0 - 22.6'
@ 22'. Saturated	21	2.0' Rec
		0.0 ppm
	22	
Refusal @ 22.6'	23	
	24	
	25	
	26	

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 — HOLE NO. GP-36-D — SHEET NO. 1 OF 2

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ — INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F — STARTED 12:45 P.M. 6/28/02

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° — FINISHED 13:30 P.M. 6/28/02

CONTRACTOR S.M.C. ENVIRONMENTAL SVCS. — ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE — CASING DIAM. N/A — DRILL PLATFORM N/A

ROCK NONE — GROUND SURFACE ____

CORE DIAM. N/A — WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, FAIR, DISTURBED, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	6" Brown Silty Sand Gray Gravel Dry FILL	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					MOVED 5 TIMES TO AVOID OBSTRUCTIONS
		2							OFFSET 6' N OF STAKE
		3							0.0 – 4.0'
		4							0.7' Rec
	Presumed As Above. Coarse Gravel blocked sampler	5							0.0 ppm
		6							4.0-8.0'
		7							0.2' Rec
		8							0.0 ppm
	Gray Silty Gravel Dry FILL	9							8.0-12.0'
		10							1.5' Rec
		11							0.0 ppm
		12							12.0-16.0'
	Brown Silty Clay + Some Gravel, few black Fragments	13							2.0' Rec
		14							0.0 ppm

ACRES

Field Borehole Log

JOB NO. _____ HOLE NO. GP-36-D SHEET NO. 2 OF 2

FILL	Brown Silty Clay Some Gravel FILL	15		
TILL	Brown Silty Clay Some Gravel TILL	16		16.0-20.0' 3.7' Rec
		17		0.0 ppm
ALLUVIUM	Red brown Clayey Silt. Grades To Silty Sand Dense. Saturated ALLUVIUM	18		
		19		
		20		20.0-20.7' 0.0' Rec
	Refusal @ 20.7'	21		
		22		
		23		
		24		

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-37-D SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED ____ M 6/28/02 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED ____ M ____ 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, FAIR, DISTURBED, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
									MOVED 5 TIMES TO AVOID OBSTRUCTIONS
	5 Refusals @ 2.0-2.5'								
	ABANDONED HOLE								HOLE ABANDONED WITHOUT SAMPLING
				CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					

Field Borehole Log

GP-38-D

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. ____ SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVERERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED ____ M 6/28/02 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED ____ M ____ 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS.

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE CORE DIAM. N/A GROUND SURFACE ____ WATER LEVELS ____

ELEVATIONS: DATUM ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, FAIR, DISTURBED, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
	Brown Silty Sand Trace Gravel, brick fragments	1							MOVED 3 TIMES TO AVOID OBSTRUCTIONS
		2							0.0-4.0'
									0.5' Rec
		3							0.0 ppm
		4							
	No Sample								4.0-8.0
		5							0.0' Rec
		6							
		7							HOLE ABANDONED
	6" Void @ 8.0'	8							WITHOUT SAMPLING
	Refusal @ 8.5'	9							
		10							
		11							
		12							

CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-39-D SHEET NO. 1 OF 2

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED ____ .M 10:02

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED ____ .M 10:02

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

* SAMPLE CONDITION: GOOD, FAIR, DISTURBED, LOST

** SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

** SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
	1' Asphalt chips			CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					0.0-8.0'
	Red brown Silty Sand, Sandy Clay & Gravel. Very Moist	1							OVERDRILLED TO 8'
		2							4.0' Rec
									0.0 ppm
	FILL	3							
		4							
		5							
		6							
		7							
		8							
	Brown Silty Clay & Gravel. Moist								8.0-12.0'
		9							2.2' Rec
	To 9.5'								0.0 ppm
	Gray Gravel and Sand + Dry	10							
	FILL	11							
		12							
	Layered Brown Silty Clay and Gray Gravel. Clay moist, Gravel Dry	13							12.0-16.0'
									1.3' Rec
									0.0 ppm
		14							

ACRES

Field Borehole Log

JOB NO. P12165 HOLE NO. GP-39-D SHEET NO. 2 OF 2

FILL	Layered brown silty Clay and Gray Gravel FILL	15	
		16	
ALLUVIUM	Brown Clayey Silt and Sand Some Gravel. Wet	17	16.0 - 18.75' 1.6' Rec 0.0 ppm
		18	
	Refusal @ 18.75'	19	
		20	
		21	

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-40-D SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 15:15 M 6/28 1902

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED 15:50 M ____ 1902

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

* SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

** SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

** SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
	8" ASPHALT CHIPS								OVERDRILLED HOLE
	Brown Silty Clay and Gravel, Moist	1							BECAUSE OF
		2							PREVIOUS POOR
									SAMPLE RECOVERY
		3							0.0 - 8.0'
									4.0' Rec
		4							0.0 ppm
		5							
		6							
		7							
	As Above	8							8.0 - 9.0'
									0.5' Rec
	Refusal @ 9.1'	9							0.0 ppm
		10							BORING ABANDONED
		11							WITHOUT SAMPLING
		12							

CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 — HOLE NO. 41-S — SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ — INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F — STARTED 0930 A.M. 7/3 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° — FINISHED 0940 A.M. 7/3 1802

CONTRACTOR SLC ENVIRONMENTAL SVCS. — ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL HAND AUGER — CASING DIAM. ____ — DRILL PLATFORM ____

ROCK NONE — GROUND SURFACE ____

CORE DIAM. ____ — WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

* SAMPLE CONDITION: GOOD, FAIR, DISTURBED, LOST

** SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

** SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Brown Silty Sand & Gravel. Dry Fill	1							1' N OF STAKE 8043
		2							0.0 ppm
	AUGER SAMPLED 0-2'	3		2" DIA. BUCKET AUGER SAMPLE. COMPOSITED FULL DEPTH					

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 — HOLE NO. 42-5 — SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ — INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F — STARTED 0940 A.M. 7/3 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° — FINISHED 0945 A.M. 7/3 1802

CONTRACTOR SLC ENVIRONMENTAL SVCS. — ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL HAND AUGER — CASING DIAM. ____ — DRILL PLATFORM ____

ROCK NONE — GROUND SURFACE ____

CORE DIAM. ____ — WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Brown Silty Sand & Gravel	1							@ STAKE 8044
	Dry FILL								0.0 ppm
	AUGER SAMPLED 0-2'	2							
		3							

2" DIA. BUCKET AUGER SAMPLE. COMPOSITED FULL DEPTH

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5
PROJECT PROSPECT STREET OVER ERIE CANAL
SITE BIN 4454180 / PIN 5940.40.121
LOCATION (LATITUDE) (DEPARTURE) BEARING
CONTRACTOR SLC ENVIRONMENTAL SVCS.
METHOD OF BORING: SOIL HAND AUGER ROCK NONE

JOB NO. P12165 HOLE NO. 43-S SHEET NO. 1 OF 1
WEATHER INSPECTOR C Baker
TEMP. °F STARTED 0950 A.M. 7/3 1802
DIP ° FINISHED 1000 .M. 7/3 1802
ELEVATIONS: DATUM
CASING DIAM. DRILL PLATFORM
GROUND SURFACE
CORE DIAM. WATER LEVELS

LOG LEGEND: SILT, SAND, CLAY, GRAVEL
*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST
**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER
**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Dark brown, Organic Silty Sand. Trace Glass fragments. Dry FILL	1							0.0 ppm No Odor
	AUGER SAMPLED 0-2'	2							
		3							

2" DIA. BUCKET AUGER SAMPLE. COMPOSITED FULL DEPTH

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 HOLE NO. 445 SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ INSPECTOR CBaker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F STARTED 10:20 AM 7/3 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° FINISHED 10:30 AM 7/3 1802

CONTRACTOR SLC ENVIRONMENTAL SVCS. — ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL HAND AUGER — CASING DIAM. ____ DRILL PLATFORM ____

ROCK NONE — GROUND SURFACE ____

CORE DIAM. ____ WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Gray brown Silty Sand & Gravel Dry FILL	1							
	AUGER SAMPLED 0-2'	2		2" DIA. BUCKET AUGER SAMPLE. COMPOSITED FULL DEPTH					
		3							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 HOLE NO. 45-S SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ INSPECTOR CBaker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F — STARTED 10^50 AM 7/3 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° — FINISHED 11^00 AM 7/3 1802

CONTRACTOR SLC ENVIRONMENTAL SVCS. — ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL HAND AUGER — CASING DIAM. ____ DRILL PLATFORM ____

ROCK NONE — GROUND SURFACE ____

CORE DIAM. ____ WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Gray brown Silty Sand & Gravel Dry FILL	1							0.0 ppm
	AUGER SAMPLED 0-2'	2		2" DIA. BUCKET AUGER SAMPLE. COMPOSITED FULL DEPTH					
		3							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 HOLE NO. 46S SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F — STARTED 11[00] A.M 7/3 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° — FINISHED 11[10] A.M 7/3 1802

CONTRACTOR SLC ENVIRONMENTAL SVCS. — ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL HAND AUGER — CASING DIAM. ____ DRILL PLATFORM ____

ROCK NONE — GROUND SURFACE ____

CORE DIAM. ____ WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, FAIR, DISTURBED, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Brown Silty Sand & Gravel, Few black Cinders & brick frags. Dry. FILL	1							0.0 ppm
	AUGER SAMPLED 0-2'	2							
		3							

2" DIA. BUCKET AUGER SAMPLE. COMPOSITED FULL DEPTH

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 — HOLE NO. 47-S — SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ — INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F — STARTED 11:10 A.M. 7/3 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° — FINISHED 11:15 A.M. 7/3 1802

CONTRACTOR SLC ENVIRONMENTAL SVCS. — ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL HAND AUGER — CASING DIAM. ____ — DRILL PLATFORM ____

ROCK NONE — ____ — GROUND SURFACE ____

CORE DIAM. ____ — WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, FAIR, DISTURBED, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. – DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Brown Sandy Silt Some Gravel Dry. FILL	1		2" DIA. BUCKET AUGER SAMPLE. COMPOSITED FULL DEPTH					0.0 ppm
	AUGER SAMPLED 0-2'	2							
		3							

Field Borehole Log

ACRES

GP-48-D

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. ____ SHEET NO. 1 OF 2

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED ____ M 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED ____ M 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

**SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
FILL	Layered Brown Silty Sand & Gray Gravel, Dry FILL *	1		CONTINUOUS GEOPROBE SAMPLE - COMPOSITED FOR CHEM. ANAL.					MOVED TO AVOID BOULDER INTERFERENCE
		2							OFFSET 3' S OF STAKE
									0.0 - 4.0'
		3							2.0' Rec
									0.0 ppm
		4					*		BLUE STAINED PLANT ROOTS UPSLOPE OF HOLE
	Brown, Silty Sand, Some Gravel,								4.0 - 8.0'
		5							2.5' Rec
	Trace Clay, Moist. FILL								0.0 ppm
		6							
		7							
		8							
	As Above								8.0 - 12.0'
		9							4.0' Rec
									0.0 ppm
		10							
		11							
		12							
	Brown, Silty Sand & Gravel, Some Clay								12.0 - 15.5'
		13							2.0' Rec
	few Gravel zones Moist, FILL								0.0 ppm

ACRES

Field Borehole Log

JOB NO. P12165 HOLE NO. GP-48-D SHEET NO. 2 OF 2

FILL	Brown, Silty Sand & Gravel, Some Clay Few Gravel zones Moist, FILL	15								0.0 ppm
	Refusal @ 15.5'	16								
		17								
		18								
		19								
		20								

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 JOB NO. P12165 HOLE NO. GP-49-D SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL WEATHER ____ INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 TEMP. ____ °F STARTED 10⁰⁰ A.M 7/3 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ DIP ____ ° FINISHED 10⁴⁵ A.M ____ 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE CASING DIAM. N/A DRILL PLATFORM N/A

ROCK NONE GROUND SURFACE ____

CORE DIAM. N/A WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

* SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

** SAMPLING METHOD: A - SPLIT TUBE; B - THIN WALL TUBE; C - PISTON SAMPLER; D - CORE BARREL; E - AUGER; F - WASH; K - SLOTTED SAMPLER

** SHIPPING CONTAINER: N - INSERT; O - TUBE; P - WATER CONTENT TIN; Q - GLASS JAR; R - CLOTH BAG; S - PLIOFILM BAG; Y - CORE BOX; Z - DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
	Gray brown Silty Sand & Gravel Dry Fill	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					OVERDRILLED TO 8' DUE TO POOR SAMPLE RECOVERY
		2							
		3							0.0 - 8.0'
		4							3.8' Rec
		5							0.0 ppm
		6							
		7							
		8							
	As Above but Coarser Gravel	9							8.0 - 10.5
		10							1.5' Rec
									0.0 ppm
	Refusal @ 10.5'	11							
		12							
		13							

Field Borehole Log

ACRES

CLIENT NYSDOT REGION 5 — JOB NO. P12165 — HOLE NO. GP-50-D — SHEET NO. 1 OF 1

PROJECT PROSPECT STREET OVER ERIE CANAL — WEATHER ____ — INSPECTOR C Baker

SITE BIN 4454180 / PIN 5940.40.121 — TEMP. ____ °F — STARTED 11:00 A.M 7/3/ 1802

LOCATION ____ (LATITUDE) ____ (DEPARTURE) ____ BEARING ____ — DIP ____ ° — FINISHED 11:30 A.M ____ 1802

CONTRACTOR S.L.C. ENVIRONMENTAL SVCS. — ELEVATIONS: DATUM ____

METHOD OF BORING: SOIL GEOPROBE — CASING DIAM. N/A — DRILL PLATFORM N/A

ROCK NONE — GROUND SURFACE ____

CORE DIAM. N/A — WATER LEVELS ____

LOG LEGEND: SILT, SAND, CLAY, GRAVEL

*SAMPLE CONDITION: GOOD, DISTURBED, FAIR, LOST

**SAMPLING METHOD: A- SPLIT TUBE; B- THIN WALL TUBE; C- PISTON SAMPLER; D- CORE BARREL; E- AUGER; F- WASH; K- SLOTTED SAMPLER

**SHIPPING CONTAINER: N- INSERT; O- TUBE; P- WATER CONTENT TIN; Q- GLASS JAR; R- CLOTH BAG; S- PLIOFILM BAG; Y- CORE BOX; Z- DISCARDED

LOG	DESCRIPTION: COLOR; CONSISTENCY DENSITY; TEXTURE; STRUCTURE; SHAPE AND SURFACE CONDITION OF GRAINS; ODOR; ETC.	ELEV. — DEPTH	SAMPLE *	SAMPLE ** TYPE	SAMPLE NO.	SAMPLE SIZE (IN.)	SAMPLE RET'D. (IN.)	BLOWS PER 6 INCH	NOTES: BORING; TESTING AND SAMPLING PROCEDURES; WATER LOSS AND GAIN; DRILLING AND TESTING EQUIPMENT; ETC.
	3' Brown Silty Sand & Clay, Some Gravel FILL	1		CONTINUOUS GEOPROBE SAMPLE. COMPOSITED FOR CHEM. ANAL.					MOVED TWICE TO AVOID BOULDERS, OFFSET 10' E OF STAKE
		2							OVERDRILLED 0-8'
		3							DUE TO POOR SAMPLE RECOVERY
	Grassy Gravel, Dry FILL	4							0.0-8.0'
		5							2.6' Rec
		6							0.0 ppm
		7							
		8							8.0-9.5'
	Brown, Silty Clay & Gravel. Rust-colored staining. Moist. FILL	9							1.3' Rec
	Refusal @ 9.5'	10							0.0 ppm
		11							
		12							
		13							