

Letter of Transmittal

DATE: 2 May 2005

WO NUMBER: 0016040

TO: NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7014

ATTENTION: TONY KARWIEL

Environmental
Resources
Management

5788 Widewaters Parkway
Dewitt, NY 13214
(315) 445-2554
(315) 445-2543 (fax)

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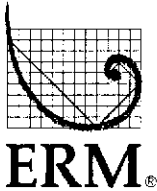
MAY 04 2005

Remedial Bureau
Division of Environmental Remediation

WE ARE SENDING YOU:

☒ Attached ☐ Under separate cover via:

- ☐ Shop drawings☐ Prints☐ Plans☐ Samples
- ☐ Specifications☐ Copy of letter☐ Change order
- ☐ other)



COPIES	DATE	NO.	DESCRIPTION
1		1	CD containing daily reporting and photos
1		1	Daily Inspection Reports
1		1	Photos
1		1	Soil Boring Logs

THESE ARE TRANSMITTED AS CHECKED BELOW

- ☐ For approval☐ Approved as submitted☐ Resubmit ___ copies for approval
- ☒ For your use☐ Approved as noted☐ Submit ___ copies for distribution
- ☒ As requested☐ Returned for corrections☐ Returned ___ corrected prints
- ☐ For review and comment☐ Prints returned after loan to us
- ☐ For bids due _____☐ (other) _____

REMARKS

Tony if you have any questions please give me a call - 315-445-2554.

COPY TO:

SIGNED:

If enclosures are not as noted, kindly notify us at once.

Environmental Resources Management (ERM)
5788 Widewaters Parkway
Dewitt, New York 13214
Phone (315) 455-2554
Fax (315) 445-2543



DAILY INSPECTION REPORT

Site Code #: 709011	Date: 16 June 2005	Report #: 011
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Site Name: NYSEG

Location: Norwich, NY

NYSEG Project Mgr.: Tracy Blazicek

DEC Project Mgr.: Anthony Karwiel

Consultant Project Mgr.: John Mohlin

Project Contractor: META Environmental & Lyons Drilling

Site Phone & Fax: NA

	AM	PM
Weather	Cloudy/Rainy	Cloudy/Rainy
Temperature (°F)	+/- 67	+/- 70
Relative Humidity (%)		
Wind Direction (mph)	south 5-10	East 5

Description of work performed by contractor this report period:

Installed soil borings (PZ indicates a 1-inch piezometer was also installed at the location):

DP-50 / PZ- 28 soil boring was advanced to 28 feet (ft) below grade surface (bgs), the piezometer was installed to 24-feet bgs. No NAPL or sheen present.

DP-14 soil boring was advanced to 24 ft bgs, **NAPL was visible from 8-20 ft bgs**

All borings were advanced within the general proposed area – more accurate locations are indicated on attached map.

Photographs were collected.

Description of inspections performed by engr. and/or DEC this report period:

ERM provided oversight of all soil borings advanced and installation of piezometers.

Discussions/comments regarding visitors, contractor and/or engineer:

NA

Major Issues	Description & Reason
N/A	

Health & Safety:

Level of protection: D

Is the level of protection in conformance with the approved Health & Safety Plan? Yes

Are atmospheric monitoring results acceptable?

List deviations: Air monitoring (dust monitor and PID) equipment was set-up in the appropriate locations downwind and upwind and running.

Contractors Information:

Prime contractor (META, Inc.) worked from approximately

NYSDEC Site Representative was onsite from 0809hrs to 1355hrs – META and Lyons drilling was onsite for the duration of that time.

NYSDEC Site Representative: Nancy Rae Reese

Date: 17 June 2005

Representative's Signature: 

Reviewed By:

Date:

Environmental Resources Management (ERM)
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DAILY INSPECTION REPORT

Site Code #: 709011	Date: 15 June 2005	Report #: 010
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Site Name: NYSEG

Location: Norwich, NY

NYSEG Project Mgr.: Tracy Blazicek

DEC Project Mgr.: Anthony Karwiel

Consultant Project Mgr.: John Mohlin

Project Contractor: META Environmental & Lyons Drilling

Site Phone & Fax: NA

	AM	PM
Weather	Sunny	Sunny
Temperature (°F)	+/- 75	+/- 80
Relative Humidity (%)		
Wind Direction (mph)	West 5-10	North 5mph

Description of work performed by contractor this report period:

Installed soil borings (PZ indicates a 1-inch piezometer was also installed at the location):

DP-47 / PZ- 26 soil boring was advanced to 28 feet (ft) below grade surface (bgs), the piezometer was installed to 24-feet bgs.

No NAPL or sheen present.

DP-44 / PZ-27 soil boring was advanced to 28 ft bgs, the piezometer was installed to 24-feet bgs

No NAPL or sheen present.

DP-45 soil boring was advanced to 28 ft bgs,

No NAPL or sheen present.

All borings were advanced within the general proposed area – more accurate locations are indicated on attached map.

Photographs were collected.

Description of inspections performed by engr. and/or DEC this report period:

ERM provided oversight of all soil borings advanced and installation of piezometers.

Discussions/comments regarding visitors, contractor and/or engineer:

NA

Major Issues	Description & Reason
N/A	

Health & Safety:

Level of protection: D

Is the level of protection in conformance with the approved Health & Safety Plan? Yes

Are atmospheric monitoring results acceptable?

List deviations: Air monitoring (dust monitor and PID) equipment was set-up in the appropriate locations downwind and upwind and running.

Contractors Information:

Prime contractor (META, Inc.) worked from approximately

NYSDEC Site Representative was onsite from 0815hrs to 1744hrs – META and Lyons drilling was onsite for the duration of that time.

NYSDEC Site Representative: Nancy Rae Reese

Date: 17 June 2005

Representative's Signature: 

Reviewed By:

Date:

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DAILY INSPECTION REPORT

Site Code #: 709011	Date: 14 June 2005	Report #: 009
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Site Name: NYSEG

Location: Norwich, NY

NYSEG Project Mgr.: Tracy Blazicek

DEC Project Mgr.: Anthony Karwiel

Consultant Project Mgr.: John Mohlin

Project Contractor: META Environmental & Lyons Drilling

Site Phone & Fax: NA

	AM	PM
Weather	Cloudy	Sunny
Temperature (°F)	+/- 70	+/- 80
Relative Humidity (%)		
Wind Direction (mph)	Calm	North 5mph

Description of work performed by contractor this report period:

Installed soil borings (PZ indicates a 1-inch piezometer was also installed at the location):

DP-46 / PZ- 23 soil boring was advanced to 24 feet (ft) below grade surface (bgs), the piezometer was installed to 18-feet bgs.

No NAPL or sheen present.

DP-34 / PZ-15 soil boring was advanced to 24 ft bgs, the piezometer was installed to 19.8-feet bgs

No NAPL or sheen present.

DP-48 / PZ-24 soil boring was advanced to 28 ft bgs, the piezometer was installed to 21-feet bgs

No NAPL or sheen present.

DP-49 / PZ-25 soil boring was advanced to 28 ft bgs, the piezometer was installed to 21-feet bgs

No NAPL or sheen present.

All borings were advanced within the general proposed area – more accurate locations are indicated on attached map.

Photographs were collected.

Description of inspections performed by engr. and/or DEC this report period:

ERM provided oversight of all soil borings advanced and installation of piezometers.

Discussions/comments regarding visitors, contractor and/or engineer:

NA

Major Issues	Description & Reason
N/A	

Health & Safety:

Level of protection: D

Is the level of protection in conformance with the approved Health & Safety Plan? Yes

Are atmospheric monitoring results acceptable?

List deviations: Air monitoring equipment was set-up in the appropriate location downwind and running for the first location of the day DP-39. Upwind dust monitor was not working properly, up-wind PID was in-place and running. No visible dust was visible in or around the work area at any time.

Contractors Information:

Prime contractor (META, Inc.) worked from approximately

NYSDEC Site Representative was onsite from 0732hrs to 1746hrs – META and Lyons drilling was onsite for the duration of that time.

NYSDEC Site Representative: Nancy Rae Reese

Date: 17 June 2005

Representative's Signature: *NR Reese*

Reviewed By:

Date:

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Division of Environmental Remediation



DAILY INSPECTION REPORT

Site Code #: 709011	Date: 13 June 2005	Report #: 008
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Site Name: NYSEG

Location: Norwich, NY

NYSEG Project Mgr.: Tracy Blazicek

DEC Project Mgr.: Anthony Karwiel

Consultant Project Mgr.: John Mohlin

Project Contractor: META Environmental & Lyons Drilling

Site Phone & Fax: NA

	AM	PM
Weather	Sunny/hazy	Sunny
Temperature (°F)	+/- 82	+/- 95
Relative Humidity (%)		
Wind Direction (mph)	Calm	South 5mph

Description of work performed by contractor this report period:

Installed soil borings (PZ indicates a 1-inch piezometer was also installed at the location):

DP-39 / PZ-21 soil boring was advanced to 26 feet (ft) below grade surface (bgs), the piezometer was installed to 19-feet bgs. **Weak odor was noted at approximately 12-12.5ft bgs.** No NAPL or sheen present.

DP-42 / PZ-22 soil boring was advanced to 28 ft bgs, the piezometer was installed to 19-feet bgs. No NAPL or sheen present.

All borings were advanced within the general proposed area – more accurate locations are indicated on attached map.

Photographs were collected.

Description of inspections performed by engr. and/or DEC this report period:

ERM provided oversight of all soil borings advanced and installation of piezometers.

Discussions/comments regarding visitors, contractor and/or engineer:

NA

Major Issues	Description & Reason
N/A	

Health & Safety:

Level of protection: D

Is the level of protection in conformance with the approved Health & Safety Plan? Yes

Are atmospheric monitoring results acceptable?

List deviations: Air monitoring equipment was set-up in the appropriate location downwind and running for the first location of the day DP-39. Upwind dust monitor was not onsite due to shipping error. For second location the dust monitor was not working (may have been due to heat of the day) and the other dust monitor did not show up onsite. No visible dust was visible in or around the work area at any time.

Contractors Information:

Prime contractor (META, Inc.) worked from approximately

NYSDEC Site Representative was onsite from 0902hrs to 1604hrs – META and Lyons drilling was onsite for the duration of that time.

NYSDEC Site Representative: Nancy Rae Reese

Date: 17 June 2005

Representative's Signature: 

Reviewed By:

Date:

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DAILY INSPECTION REPORT

Site Code #: 709011	Date: 20 May 2005	Report #: 007
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Site Name: NYSEG

Location: Norwich, NY

NYSEG Project Mgr.: Tracy Blazicek

DEC Project Mgr.: Anthony Karwiel

Consultant Project Mgr.: John Mohlin

Project Contractor: META Environmental & Lyons Drilling

Site Phone & Fax: NA

	AM	PM
Weather	Sunny	Mostly Sunny
Temperature (°F)	+/- 55	+/- 60
Relative Humidity (%)		
Wind Direction (mph)	South 5mph	

Description of work performed by contractor this report period:

Installed soil borings (PZ indicates a 1-inch piezometer was also installed at the location):

DP-38 / PZ-20 was set at 20-feet below grade surface with 10-feet of 10-slot screen and riser to just below surface with a flush mount cover.

DP-40

All borings were advanced within the general proposed area – more accurate locations are indicated on attached map.

Soil Boring Logs for all these borings are attached.

Photographs were collected.

Description of inspections performed by engr. and/or DEC this report period:

ERM provided oversight of all soil borings advanced and installation of piezometers.

Discussions/comments regarding visitors, contractor and/or engineer:

NA

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Major Issues	Description & Reason
N/A	

Health & Safety:

Level of protection: D

Is the level of protection in conformance with the approved Health & Safety Plan? Yes

Are atmospheric monitoring results acceptable? All air monitoring equipment was set-up in the appropriate locations upwind and downwind and running.

List deviations:

Contractors Information:

Prime contractor (META, Inc.) worked from approximately

NYSDEC Site Representative was onsite from 0850hrs to 1540hrs – META and Lyons drilling was onsite for the duration of that time.

NYSDEC Site Representative: Nancy Rae Reese

Date: 23 April 2005

Representative's Signature: *NR Reese*

Reviewed By:

Date:

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Dewitt, New York 13214
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MAY 27 2005
Remedial Bureau C
Division of Environmental Remediation



DAILY INSPECTION REPORT

Site Code #: 709011	Date: 19 May 2005	Report #: 006
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Site Name: NYSEG

NYSEG Project Mgr.: Tracy Blazicek

Consultant Project Mgr.: John Mohlin

Project Contractor: META Environmental & Lyons Drilling

Site Phone & Fax: NA

Location: Norwich, NY

DEC Project Mgr.: Anthony Karwiel

	AM	PM
Weather	Sunny	Mostly Sunny
Temperature (°F)	+/- 53	+/- 60
Relative Humidity (%)		
Wind Direction (mph)	calm	NW @ 5-10mph

Description of work performed by contractor this report period:

Installed soil borings (PZ indicates a 1-inch piezometer was also installed at the location):

DP-37

DP-41 / PZ-18 was set at 18-feet below grade surface with 10-feet of 10-slot screen and riser to just below surface with a flush mount cover.

DP-43 / PZ-19 was set at 19-feet below grade surface with 10-feet of 10-slot screen and riser to just below surface with a flush mount cover.

All borings were advanced within the general proposed area – more accurate locations are indicated on attached map.

Soil Boring Logs for all these borings are attached.

Photographs were collected.

Description of inspections performed by engr. and/or DEC this report period:

ERM provided oversight of all soil borings advanced and installation of piezometers.

Discussions/comments regarding visitors, contractor and/or engineer:

NA

Major Issues	Description & Reason
N/A	

Health & Safety:

Level of protection: D

Is the level of protection in conformance with the approved Health & Safety Plan? Yes

Are atmospheric monitoring results acceptable? All air monitoring equipment was set-up in the appropriate locations upwind and downwind and running.

List deviations:

Contractors Information:

Prime contractor (META, Inc.) worked from approximately

NYSDEC Site Representative was onsite from 0900hrs to 1846hrs – META and Lyons drilling was onsite for the duration of that time.

NYSDEC Site Representative: Nancy Rae Reese

Date: 23 April 2005

Representative's Signature: *Nancy Rae Reese*

Reviewed By:

Date:

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Dewitt, New York 13214
Phone (315) 455-2554
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DAILY INSPECTION REPORT

Site Code #: 709011	Date: 29 April 2005	Report #: 005
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Site Name: NYSEG

Location: Norwich, NY

NYSEG Project Mgr.: Tracy Blazicek

DEC Project Mgr.: Anthony Karwiel

Consultant Project Mgr.: John Mohlin

Project Contractor: META Environmental & Lyons Drilling

Site Phone & Fax: NA

	AM	PM
Weather	Sunny	Mostly sunny
Temperature (°F)	+/- 45	+/- 52
Relative Humidity (%)		
Wind Direction (mph)	South West (5-10)	West (5-15)

Description of work performed by contractor this report period:

Installed soil borings (PZ indicates a 1-inch piezometer was also installed at the location):

DP-25/PZ-10 this location was moved 5-feet east approximate to the center of the east side of the garage and 11.5-feet to the northeast off the southeast corner of the garage on the same property. PZ is set at 19-feet bgs with 10-feet of screen

DP-30

DP-31

All borings were advanced within a foot of the marked out area unless otherwise noted.

Soil Boring Logs for all these borings are attached.

Photographs were collected.

PZ-13 was developed.

Description of inspections performed by engr. and/or DEC this report period:

ERM provided oversight of all soil borings advanced and installation of piezometers.

Discussions/comments regarding visitors, contractor and/or engineer:

NA

Major Issues	Description & Reason
N/A	

Health & Safety:

Level of protection: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Are atmospheric monitoring results acceptable? All air monitoring equipment was set-up in the appropriate locations upwind and downwind and running.

List deviations: See above

Contractors Information:

Prime contractor (META, Inc.) worked from approximately

NYSDEC Site Representative was onsite from 0759hrs to 1552hrs – META and Lyons drilling was onsite for the duration of that time.

NYSDEC Site Representative: Nancy Rae Reese

Date: 29 April 2005

Representative's Signature:



Reviewed By:

Date:

Environmental Resources Management (ERM)
5788 Widewaters Parkway
Dewitt, New York 13214
Phone (315) 455-2554
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DAILY INSPECTION REPORT

Site Code #: 709011	Date: 28 April 2005	Report #: 004
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Site Name: NYSEG

NYSEG Project Mgr.: Tracy Blazicek

Consultant Project Mgr.: John Mohlin

Project Contractor: META Environmental & Lyons Drilling

Site Phone & Fax: NA

Location: Norwich, NY

DEC Project Mgr.: Anthony Karwiel

	AM	PM
Weather	Sunny	Mostly sunny
Temperature (°F)	+/- 49	+/- 55
Relative Humidity (%)		
Wind Direction (mph)	West (5-15)	West (5-15)

Description of work performed by contractor this report period:

Installed soil borings (PZ indicates a 1-inch piezometer was also installed at the location):

DP-36/PZ-17 PZ is set at 16-feet bgs with 10-feet of screen

DP-35/PZ-16 PZ is set at 16-feet bgs with 10-feet of screen

DP-26/PZ-09 PZ is set at 22.5-feet bgs with 10-feet of screen

All borings were advanced within a foot of the marked out area unless otherwise noted.

Soil Boring Logs for all these borings are attached.

Photos were collected.

PZ-14 was developed by META.

Description of inspections performed by engr. and/or DEC this report period:

ERM provided oversight of all soil borings advanced and installation of piezometers.

Discussions/comments regarding visitors, contractor and/or engineer:

NA

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LIST DEVIATIONS: SEE ABOVE

Contractors Information:

Prime contractor (META, Inc.) worked from approximately

NYSDEC Site Representative was onsite from 0758hrs to 1816hrs – META and Lyons drilling was onsite for the duration of that time.

NYSDEC Site Representative: Nancy Rae Reese

Date: 28 April 2005

Representative's Signature:

NR Reese

Reviewed By:

Date:

Environmental Resources Management (ERM)
5788 Widewaters Parkway
Dewitt, New York 13214
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DAILY INSPECTION REPORT

Site Code #: 709011	Date: 27 April 2005	Report #: 003
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Site Name: NYSEG

Location: Norwich, NY

NYSEG Project Mgr.: Tracy Blazicek

DEC Project Mgr.: Anthony Karwiel

Consultant Project Mgr.: John Mohlin

Project Contractor: META Environmental & Lyons Drilling

Site Phone & Fax: NA

	AM	PM
Weather	Cloudy occasional rain	Cloudy - raining
Temperature (°F)	+/- 50	+/- 55
Relative Humidity (%)		
Wind Direction (mph)	South (5-10)	West (5-15)

Description of work performed by contractor this report period:

Installed soil borings (PZ indicates a 1-inch peizometer was also installed at the location):

DP-28

DP-29

DP-33/PZ-14 PZ is set at 18-feet bgs with 10-feet of screen

DP-32/PZ-13 PZ is set at 15.4-feet bgs with 10-feet of screen

All borings were advanced within a foot of the marked out area unless otherwise noted.

Soil Boring Logs for all these borings are attached.

META developed PZ-12 and PZ-11

Photographs were collected.

Description of inspections performed by engr. and/or DEC this report period:

ERM provided oversight of all soil borings advanced and installation of piezometers.

Discussions/comments regarding visitors, contractor and/or engineer:

NA

Major Issues	Description & Reason
N/A	

Health & Safety:

Level of protection: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Are atmospheric monitoring results acceptable? All air monitoring equipment was set-up in the appropriate locations upwind and downwind and running.

List deviations: See above

Contractors Information:

Prime contractor (META, Inc.) worked from approximately

NYSDEC Site Representative was onsite from 0758hrs to 1735hrs – META and Lyons drilling was onsite for the duration of that time.

NYSDEC Site Representative: Nancy Rae Reese

Date: 27 April 2005

Representative's Signature: 

Reviewed By:

Date:

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5788 Widewaters Parkway
Dewitt, New York 13214
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DAILY INSPECTION REPORT

Site Code #: 709011	Date: 26 April 2005	Report #: 002
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Site Name: NYSEG

Location: Norwich, NY

NYSEG Project Mgr.: Tracy Blazicek

DEC Project Mgr.: Anthony Karwiel

Consultant Project Mgr.: John Mohlin

Project Contractor: META Environmental & Lyons Drilling

Site Phone & Fax: NA

	AM	PM
Weather	Mostly Sunny	Cloudy - raining
Temperature (°F)	+/- 50	+/- 55
Relative Humidity (%)		
Wind Direction (mph)	South (5-15)	West (5-15)

Description of work performed by contractor this report period:

Installed soil borings (PZ indicates a 1-inch piezometer was also installed at the location):

DP-27/PZ-12 PZ is set at 24-feet bgs with 10-feet of screen

DP-19/PZ-11 PZ is set at 19-feet bgs with 10-feet of screen

DP-04C this location was moved 14.4 feet south and 4 feet west

All borings were advanced within a foot of the marked out area unless otherwise noted.

Soil Boring Logs for all these borings are attached.

Photographs were collected.

Description of inspections performed by engr. and/or DEC this report period:

ERM provided oversight of all soil borings advanced and installation of piezometers.

Discussions/comments regarding visitors, contractor and/or engineer:

NA

Major Issues	Description & Reason
N/A	

Health & Safety:

Level of protection: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Are atmospheric monitoring results acceptable? All air monitoring equipment was not set-up in the appropriate locations upwind and downwind and running. The upwind PID was used to screen samples. Upwind readings were collected a few times during the day.

List deviations: See above

Contractors Information:

Prime contractor (META, Inc.) worked from approximately

NYSDEC Site Representative was onsite from 0753hrs to 1830hrs – META and Lyons drilling was onsite for the duration of that time.

NYSDEC Site Representative: Nancy Rae Reese

Date: 26 April 2005

Representative's Signature: 

Reviewed By:

Date:

Environmental Resources Management (ERM)
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Division of Environmental Remediation



DAILY INSPECTION REPORT

Site Code #: 709011	Date: 25 April 2005	Report #: 001
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Site Name: NYSEG

Location: Norwich, NY

NYSEG Project Mgr.: Tracy Blazicek

DEC Project Mgr.: Anthony Karwiel

Consultant Project Mgr.: John Mohlin

Project Contractor: META Environmental & Lyons Drilling

Site Phone & Fax: NA

	AM	PM
Weather	Cloudy – snowing/raining	Cloudy - raining
Temperature (°F)	+/- 34	+/- 45
Relative Humidity (%)		
Wind Direction (mph)	NW (5-20)	NW (5-20)

Description of work performed by contractor this report period:

Installed four soil borings DP-22

DP-01

DP-02

DP-03

All borings were advanced within a foot of the marked out area.

Soil Boring Logs for all these borings are attached.

Photographs were collected.

Description of inspections performed by engr. and/or DEC this report period:

ERM provided oversight of all soil borings advanced.

Discussions/comments regarding visitors, contractor and/or engineer:

NA

Major Issues	Description & Reason
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N/A	
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Health & Safety:

Level of protection: D

Is the level of protection in conformance with the approved Health & Safety Plan?

Are atmospheric monitoring results acceptable? All air monitoring equipment was set-up in the appropriate locations upwind and downwind and running.

List deviations: None

Contractors Information:

Prime contractor (META, Inc.) worked from approximately

NYSDEC Site Representative was onsite from 1000hrs to 1830hrs – META and Lyons drilling was onsite for the duration of that time.

NYSDEC Site Representative: Nancy Rae Reese

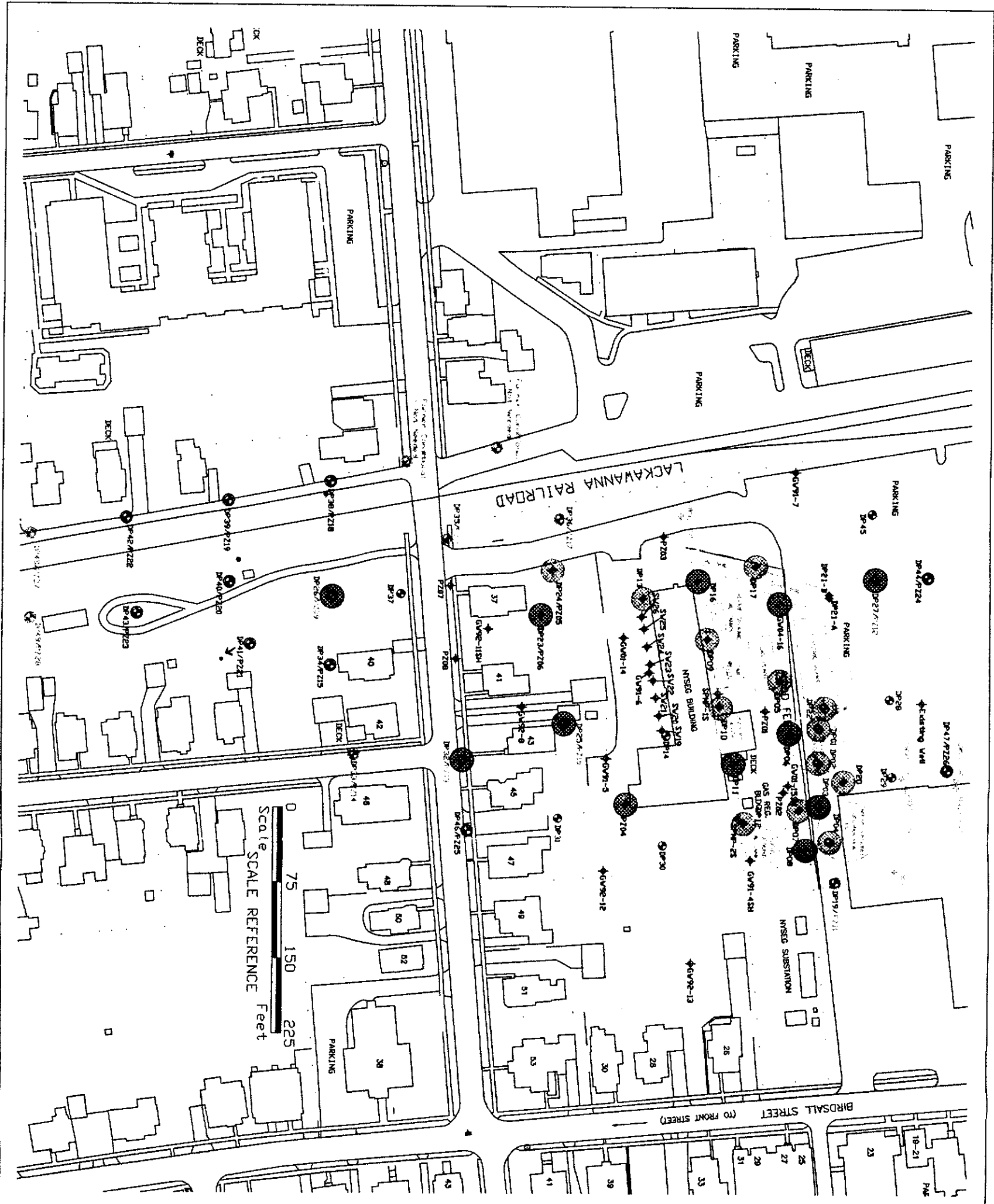
Date: 25 April 2005

Representative's Signature:

Nancy Rae Reese

Reviewed By:

Date:



LEGEND

- Location of Former Facility
- Direct Push Boring Locations
- Piezometers and Wells
- Former Wells - Destroyed During Construction
- April '05 Boring Location (Estimated - Not Surveyed)
- April '05 Boring Location with Piezometer (Estimated - Not Surveyed, Yet)
- Proposed Boring Locations
- Proposed Boring Location with Piezometer
- Proposed Conditional Boring Location with Piezometer

Summary of Visual Observations in Soil

Significant NAPL

Moderate NAPL

Slight NAPL

Sheens

Project: Norwich RI	Client: NYSEG	Isb/ M /TA	
Results Summary and Proposed Additional Boring and Piezometer Locations - May 13, 2005			
Title: PHASE I RESULTS	Drawn by: RJD	Approved by: IM	Date: 5/13/05



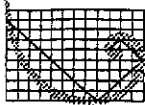
ERM

5788 Widewater Parkway
Dewitt, New York 13214Boring Number: DP-37

BORING LOG

Project name & location: <u>NYSDEC Rep - Norwich</u>		Project number <u>0016040</u>		Date Started: <u>19 May 05</u>	Date Completed: <u>19 May 05</u>
Drilling company <u>Lyon Drilling</u>		Geologist <u>Lara</u>		Time: <u>1550</u>	Time: <u>1835</u>
Drilling equipment <u>LM-1</u>		Method <u>direct push</u>		Sampler(s) <u>Harry + Craig</u>	Sampler hammer <u>Drop</u>
Bit(s)		Core barrel(s) <u>2"</u>		Elevation & datum	Completion depth <u>32</u>
				Inspector(s) <u>NR Reese</u>	

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION:				SURFACE DESCRIPTION:	
0	<u>1517</u>	<u>0.4</u>	<u>0.0</u>		<u>Medium Brown silt, little sand + gravel</u>	<u>moist</u>
1						
2						
3						
4	<u>1723</u>	<u>3.5</u>	<u>0.0</u>		<u>Yellow Brown f-c sand, f-c gravel</u>	
5						
6						
7						
8	<u>1724</u>	<u>2.5</u>	<u>0.0</u>		<u>f-c sand and f-c gravel</u>	<u>moist</u>
9						
10						



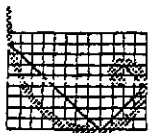
5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-37
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10						
11						moist
12	1732	2.9	0.0		t-c gravel, little sand rounded f-c sand and f-c gravel	saturated
13						
14						
15						
16	1741	1.9	0.0		fine sand fine sand subrounded f-c gravel and f-c sand	saturated
17						
18						
19						
20	1758	1.5	1		same as above	
21			82			
22						



ERM

5758 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-37
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22					Same as above	
23						
24					last 3-inches	→ screen + NAPL
	1813	4	290		clay-medium grey	
25			344		↓ sand little gravel	NAPL sample collected
			295		clay	→ NAPL along 2/3 of the sieve.
26			80			No NAPL w/ the soil but on the sieve.
			110			
27			66			
			344			
28			295		fine sand	
	1832	3.7			medium grey silty clay + clayey silt interbedded	
29						
30						
31						
32					lob	
33						NO PIEZOMETER
34						



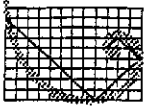
ERM

5788 Widewater Parkway
Dewitt, New York 13214Boring Number: DP-38-38
12

BORING LOG

Project name & location: <u>M506 Rep - Norwich</u>		Project number: <u>0016040</u>		Date Started: <u>20 May 05</u>		Date Completed: <u>20 May 05</u>	
Drilling company: <u>Lyon Drilling</u>		Geologist: <u>Lara</u>		Time: <u>0928</u>		Time: <u>1020</u>	
Drilling equipment: <u>LM-1</u>		Method: <u>direct push</u>		Sampler(s): <u>Harry + Craig</u>		Sampler hammer: Drop	
Bit(s):		Core barrel(s): <u>2"</u>		Elevation & datum:		Completion depth: <u>28-feet</u>	
Inspector(s): <u>NR Reese</u>						Rock depth:	

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: <u>west of RR track near edge of Baldwin St.</u>				SURFACE DESCRIPTION: <u>gravel</u>	
0.7	<u>0929</u>	<u>3.0</u>	<u>0.7</u>		<u>Dark gray f-c sand</u>	<u>moist</u>
1.0			<u>0.7</u>		<u>Medium Brown silt, little fine sand, little f-c gravel</u>	
1.4			<u>0</u>			
1.7			<u>0.4</u>			
2.0			<u>0.3</u>			
4.0	<u>0923</u>	<u>3.0</u>	<u>↑</u>		<u>Medium Brown fine sand</u>	
5.0					<u>f-c sand and f-c gravel medium brown</u>	
6.0			<u>max 1.0 ppm</u>			
8.0	<u>0938</u>	<u>2.5</u>	<u>↑</u>		<u>same as above</u>	
9.0			<u>max 1.0 ppm</u>			
10.0						



5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-38
Project #: D6719.00.

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10					same as above	
11						
12	0943	1.1				
13					Medium Brown t-c sand + f-c gravel	saturated
14						
15						
16	0954	0.2	0.8		same as above	saturated
17						
18						
19					Medium gray silty clay	
20	1867	1.0	0			
21			2.0			
22						



ERM

5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-38
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22						
23						
24	1018	0.5	0.0		Medium grey silty clay	saturated
25						
26						
27						
28					exp	
29						Set well / P2 at 20-feet.
30						
31						
32						
33						
34						



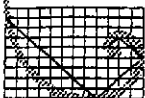
ERM

5788 Widewater Parkway
Dewitt, New York 13214Bore Number: DP-40

BORING LOG

Project name & location: <u>NY DEC - Norwich</u>		Project number: <u>0016040</u>		Date Started: <u>20 May 2005</u> Date Completed: <u>20 May 2005</u>	
Drilling company: <u>Lyon Drilling</u>		Geologist: <u>Lara</u>		Time: <u>1250</u> Time: <u>1415</u>	
Drilling equipment: <u>CME 55</u>		Method: <u>direct push</u>		Sampler(s): <u>Harry + Craig</u> Sampler hammer: <u>Drop</u>	
Bit(s):		Core barrel(s): <u>2"</u>		Elevation & datum: <u>31.5-feet</u> Completion depth: <u>31.5-feet</u> Rock depth: <u>—</u>	
Inspector(s): <u>NR Reese</u>					

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION:				SURFACE DESCRIPTION:	
1					auger to 8.8 feet	
2					started this location yesterday and abandoned due to concrete at ~ 7.8-feet bgs	
3						
4						
5						
6						
7						
8						
9						
10	1318	1.0	17	3	Dark grey f-c sand Medium brown fine sand compact Medium Brown f-c sand	saturated - could be due to water poured down augers



ERM

5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-40
Project #: 00719-00
0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10						
11						
12	1324	2.2	0.4		Medium Brown f-m-c sand and f-c gravel	saturated
13			0			
			0.5			
			0			
14						
15						
16	1330	1.4	0.0		same as above	
17						
18						
19						
20	1340	1.2	↑		m-c rounded gravel, with f-c sand	NAPL + sheen
21			138ppm max			
22						



ERM

5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-40
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22						
23						saturated
24	1348	3.5	142		silty clay little f-m sand NAPL →	
			110		silty clay clayey silt medium grey	
25			36			
26			11			
			4			
27			8			
			5			
28	1412	4.0	70		grey clay little sand (fall in?) NAPL	
			80		Medium grey silty clay + clayey silt	
29						
30			76			
			10			
31			9			
					106	
32						no piezometer at this location
33						
34						



ERM

5788 Widewater Parkway
Dewitt, New York 13214Boring number: DP-41 / PZ-18

BORING LOG

Project name & location: <u>NYSDEC Norwich</u>		Project number: <u>0016040</u>		Date Started: <u>19 May 05</u>		Date Completed: <u>19 May 05</u>	
Drilling company: <u>Lyon Drilling</u>		Geologist: <u>Lara</u>		Sampler(s): <u>Harry + Craig</u>		Sampler hammer: <u>Drop</u>	
Drilling equipment: <u>CM-1</u>		Method: <u>direct push</u>		Elevation & datum:		Completion depth: <u>24 feet</u>	
Bit(s):		Core barrel(s): <u>2"</u>		Inspector(s): <u>NR Reese</u>			

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: <u>SSE of DP-26</u>				SURFACE DESCRIPTION: <u>grass</u>	
1	<u>1003</u>	<u>3.5</u>	<u>0.0</u>		<u>light-medium Brown sand silt + gravel dry-moist</u>	<u>dry-moist</u>
2						
3						
4	<u>1011</u>	<u>2.7</u>	<u>0.0</u>		<u>Same as above</u>	
5						
6						
7						
8	<u>1017</u>	<u>3.6</u>	<u>0.0</u>		<u>Medium Brown f-c sand and f-c gravel subrounded</u>	<u>drilling gets easier wet</u>
9						<u>Saturated</u>
10						



ERM

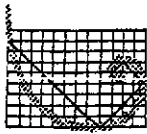
5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-41
Project #: D6719-00-

0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10			0.6			saturated
11			↓			
12	1033	1.9	0.0		Medium gray blue rounded f-m gravel, little f-c sand	
13			↓			
14			↓			
15			↓			
16			1.0			light odor
17	1044	4	9		Same as above	odor (MGP) light sheen
			7		Medium Brown clay	saturated
18			4		Medium gray clay	
			3			
19			2		Medium gray silt-clay	
			1			
20	1101	4	0.0		Same as above	
21			↓		(more clay in some areas)	
22			↓			



ERM

5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-41
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22			0.0		Medium gray clay + silt/clay interbedded saturated	
23						
24					lob	
25					set piezometer at 18-foot bgs.	
26						
27						
28						
29						
30						
31						
32						
33						
34						



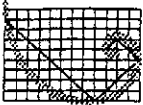
ERM

5788 Widewater Parkway
Dewitt, New York 13214Borehole Number: DP-43/P2-19

BORING LOG

Project name & location: <u>NYSDEC Rep - Norwich</u>		Project number: <u>0016040</u>		Date Started: <u>19 May 05</u>	Date Completed: <u>19 May 05</u>
Drilling company: <u>Lyon Drilling</u>		Geologist: <u>Lara</u>		Time: <u>1315</u>	Time: <u>1400</u>
Drilling equipment: <u>LM-1</u>		Method: <u>direct push</u>		Sampler(s): <u>Harris + Craig</u>	Sampler hammer: <u>Drop</u>
Bit(s): <u>2"</u>		Core barrel(s): <u>2"</u>		Elevation & datum:	Completion depth: <u>24 feet</u>
Inspector(s): <u>NR Reese</u>		Rock depth:			

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: <u>South of DP-41</u>				SURFACE DESCRIPTION: <u>grass</u>	
0.5	<u>1318</u>	<u>3.9</u>	<u>0.0</u>		<u>Medium brown silt, little sand & gravel</u>	<u>dry-moist</u>
1					<u>Dark grey f-c sand, some fine gravel</u>	
2					<u>light beige medium sand</u>	
3					<u>Medium greenish grey w/ rust mottling fine sand & silt</u>	
4						
4.5	<u>1325</u>	<u>3.5</u>	<u>0.0</u>		<u>fall in from above</u>	
5					<u>Medium greenish gray fine sand</u>	
6					<u>little f-m gravel</u>	
7						
8			<u>0.5</u>			
8.5	<u>1331</u>	<u>1.6</u>	<u>0.0</u>		<u>subrounded f-m gravel, little m-c sand</u>	<u>wet saturated</u>
9						
10						



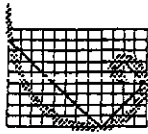
ERM

5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-43
Project #: 06719.00
0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10			0.0			saturated
11						
12			0.2			
13	1336	1.5	0.0		Medium Brown f-m sand f-c subrounded gravel f-c subrounded gravel some m-c sand m-c sub rounded gravel	
14						
15						
16	1345	4	0.0		f-c medium grey sand f-c subrounded gravel Medium brown interbedded clayey silt + silty clay (3 tiny sand layers)	
17						
18					Medium grey clay grades to interbedded medium grey silty clay + clayey silt	
19						
20	1400	4	0.0		same as above	
21						
22						



5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-43
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22					Medium gray interbedded silty clay + clayey silt	
23						
24					eob set 1-inch piezometer at 19-feet.	
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						

RECORD OF TELEPHONE CONVERSATION

Berelli

~~1031NE05~~

To/From:

Matt Kiffail

Project No.

0025558

Company:

Date/Time:

Phone No.:

860 277-1588

Submitted By:

RE:

Call Summary:

St. Paul Travelers

should be wrapped up he wants to
close the file.

is ERM's file closed

\$ Phil/Bert

Not Jake

NR calls Dave - he was the project
manager working on this project.

Dave will take care of this from
here.

Signed:

CC:



ERM

5788 Widewater Parkway
Dewitt, New York 13214Boring number: DP-22
Project # 0016040

BORING LOG

Project name & location: <u>NYSDEC - Norwich, NY</u>		Project number <u>0016040</u>		Date Started: <u>25 Apr 05</u>		Date Completed: <u>25 Apr 05</u>	
Drilling company <u>Lyons Drilling</u>		Geologist <u>Lara</u>		Sampler(s) <u>Harry + Craig</u>		Sampler hammer <u>Drop</u>	
Drilling equipment <u>CME SS</u>		Method <u>direct push</u>		Elevation & datum <u>—</u>		Completion depth <u>24</u>	
Bit(s) <u>—</u>		Core barrel(s) <u>2"</u>		Inspector(s) <u>Lara</u>			

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: <u>Parking lot</u>				SURFACE DESCRIPTION: <u>asphalt</u>	
1	<u>1027</u>	<u>4</u>	<u>0.0</u>		<u>grey, dry, sand silt + gravel</u>	<u>dry</u>
2						
3						
4	<u>1036</u>	<u>4</u>	<u>0.0</u>		<u>light brown silt sand + gravel</u>	
5						
6						
7						
8	<u>1051</u>	<u>3</u>			<u>same as above</u>	<u>moist</u>
9						
10						



5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-22
Project #:

ERM

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10						moist
11						↓
12	1103	2	↑		same as above	NAPL wet
13						
14			75			
15						
16	1118	3.5			sand and gravel w/ sheer	saturated
17					↓ gravel some sand no sheer	
18					↓ gravel some sand sheer	
19					↓ tan clay hard	saturated
20	1136				↓ gray clay	
21					↓	
22					↓	



ERM

5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-22
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22			0.0		grey clay	saturated
23						
24					sub	
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						



5788 Widewater Highway
Dewitt, New York 13214

Boring number: DP-01

ERM

BORING LOG

Project name & location: <u>NYSDEC - Norwich N.Y.</u>		Project number <u>0016040</u>		Date Started: <u>25 Apr 05</u> Time: <u>1338</u>		Date Completed: <u>25 Apr 05</u> Time: <u>1440</u>	
Drilling company <u>Lions Drilling</u>		Geologist <u>Lara</u>		Sampler(s) <u>Harry + Craig</u>		Sampler hammer <u>Drop</u>	
Drilling equipment <u>CME 55</u>		Method <u>direct push</u>		Elevation & datum		Completion depth <u>24 feet</u>	
Bit(s) <u>-</u>		Core barrel(s) <u>2"</u>		Inspector(s) <u>Lara</u>		Rock depth <u>?</u>	

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
	BORING LOCATION:				SURFACE DESCRIPTION:	
0	1347	4	0.0		light grey sand and gravel	dry
1						
2						
3						
4	1352	3.5	0.0		light brown sand + silt and gravel	saturated
5						
6						
7						
8	1401	3.5			Same as above	saturated
9						
10						



5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-01
Project #: 0016040

ERM

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10						
11						
12			100		darker color	odor
	1410	2.5			gravel and sand	NAPL observed
13						
14						
15						
16						
	1428	2	↑		gravel w/ little sand	NAPL, sheen
17						
		max 150				
18						
19						
20						
	1437	4			beige clay	NO ODORS (RP)
21						
22						



ERM

5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-01
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22						
23					grey clay	saturated ↓
24					↓	NO ODORS ↓
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						



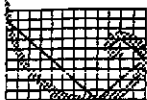
ERM

5788 Widewater Parkway
Dewitt, New York 13214Boring Number: DP-02

BORING LOG

Project name & location: <u>NYSDEC - Norwich, NY</u>		Project number <u>0014040</u>		Date Started: <u>25 Apr 05</u> Time: <u>1541</u>		Date Completed: <u>25 Apr 05</u> Time: <u>1630</u>	
Drilling company <u>Lynn Drilling</u>		Geologist <u>Lara</u>		Sampler(s) <u>Harry + Craig</u>		Sampler hammer Drop	
Drilling equipment <u>CME 55</u>		Method <u>direct push</u>		Elevation & datum —		Completion depth <u>24 feet</u>	
Bit(s)		Core barrel(s) <u>2-inch</u>		Inspector(s) <u>Lara</u>			

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
BORING LOCATION:						
0					SURFACE DESCRIPTION:	
	<u>1541</u>	<u>3.75</u>	<u>0.0</u>		<u>light brown sand silt and gravel</u>	<u>dry</u>
1						
2						
3						
4	<u>1547</u>	<u>3.85</u>	<u>0.0</u>		<u>same as above</u>	<u>dry</u>
5						
6					<u>x N/A</u>	
7						
8	<u>1553</u>	<u>3.5</u>			<u>same as above stiff</u>	<u>dry-moist</u>
9						
10						



5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-02
Project #: 2016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10						
11						
12			100			odor
12	1556	Z	↓		sand + gravel	↓ saturated visible NAPL
13						strong odor
14						
15						
16	1606	Z			sample collected gravel little sand	↓ saturated NAPL
17						
18			↑			
19			100			sheen
20			↓			
20	1627	3.2			gravel little sand	↓ light sheen
21					light brown clay	↓ saturated
22						



5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-02
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22					light brown clay	saturated
23						
24			0.0		cob	
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						



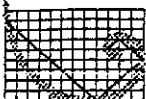
ERM

5788 Widewater Highway
Dewitt, New York 13214Boring number: DP-03

BORING LOG

Project name & location: <u>NYSDEC - Norwich, NY</u>		Project number <u>0016040</u>		Date Started: <u>25 Apr 05</u>	Date Completed: <u>25 Apr 05</u>
Drilling company <u>Lyons Drilling</u>		Geologist <u>Lara</u>		Time: <u>1712</u>	Time: <u>1815</u>
Drilling equipment <u>CME 55</u>		Method <u>direct push</u>		Elevation & datum —	Completion depth <u>28 feet</u>
Bit(s)		Core barrel(s) <u>2"</u>		Inspector(s) <u>Lara</u>	

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FIO / PID (ppm)	Blow Counts		
0	BORING LOCATION:				SURFACE DESCRIPTION: <u>Asphalt</u>	
0	<u>1722</u>	<u>3.5</u>	<u>0.0</u>		<u>sand + gravel, little silt</u>	<u>dry</u>
1						
2						
3						
4	<u>1725</u>	<u>1.8</u>	<u>0.0</u>		<u>Medium brown silt sand + gravel</u>	<u>moist</u>
5						
6						
7						
8	<u>1729</u>	<u>2.5</u>	<u>0.0</u>		<u>silty fine sand</u>	<u>moist</u>
9						
10						



5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-03
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10					silty fine sand	
11						
12	1735	2	27		gravel little sand	wet
13			↑			ODOR NAPL saturated
14			max PID was 115			
15						
16	1744	2.2			gravel little sand	saturated
17			↑			
18			max PID read 110 ppm			
19						
20	1757	2			fine rounded gravel	saturated
21						
22					sand silt and gravel	NAPL



ERM

5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-03 ¹⁰

Project #:

0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22					see above (only 2 feet of sample)	
23						
24	1815	4			clay	covered w/ oily substance but inside looked unaffected
25						
26					cob	saturated
27						
28						
29						
30						
31						
32						
33						
34						



ERM

5788 Widewaters Way
Dewitt, New York 13214

Boring Number:

DP
27/12-12

BORING LOG

Project name & location: NYSDEC - Norwich NY		Project number 0016040		Date Started: 26 Apr 05		Date Completed: 26 Apr 05	
Drilling company Lyons Drilling		Geologist Lara		Sampler(s) Harry + Craig		Sampler hammer direct push	
Drilling equipment CMESS		Method direct push		Elevation & datum		Completion depth 32 feet	
Bit(s) 2"		Core barrel(s)		Inspector(s) Lara + Amanda		Rock depth ?	

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: NW of DP-22				SURFACE DESCRIPTION: asphalt	
1					rotary bit to make room for curb box	
2	0930	1	0.0		Medium brown sand and gravel little silt clay	
3			0.0			
4			0.0			
5	0936	0.8	0.0		same as above	
6			0.0		last 2 inches fine sand + silt moist	slight odor
7						
8	0947	3.2	0.0		silty sand clay moist	No ODORS
9			0.0			
10			0.0		sand moist	



5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-27/PZ-12
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10			0.0		sand and silt moist	No ODOPS
11			0.0			
12			0.0		last 6-inches was wet	
12	0950	3.2	6.0		silty sand gravel little fine sand	wet No ODOPS
13						
14						
15						
16						
16	1012	2.8			medium sand sheen & rounded gravel	saturated & sheen
17						sample collected at sheen area
18						
19					rounded gravel little sand	
20						
20	1035				same as above	No sheen
21						driller said formation was soft around 23-feet.
22						



5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-27/PZ-12
Project #: ~~0011300~~ 0014040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22						
23						driller soft at this point
24	1053	0				
25						
26						
27					driller mentioned soft at 27-feet	
28	1115	4	0.0		light gray brown silty clay	
29					little sand	
30						
31						
32						sample collected
33						
34						



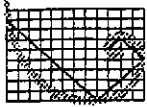
ERM

5788 Widewaters way
Dewitt, New York 13214Boring number: DP-19/P2-11

BORING LOG

Project name & location: <u>NYSDEC - Norwich, NY.</u>		Project number: <u>0016040</u>		Date Started: <u>26 Apr 05</u>		Date Completed: <u>26 Apr 05</u>	
Drilling company: <u>Lyon's Drilling</u>		Geologist: <u>Lara</u>		Time: <u>1443</u>		Time: <u>1515</u>	
Drilling equipment: <u>CME SS</u>		Method: <u>direct push</u>		Sampler(s): <u>Harry + Craig</u>		Sampler hammer: <u>Drop</u>	
Bit(s):		Core barrel(s): <u>2"</u>		Elevation & datum: <u>—</u>		Completion depth: <u>20 feet</u>	
				Inspector(s): <u>Lara + Amanda</u>		Rock depth: <u>?</u>	

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: <u>South of strip mall</u>				SURFACE DESCRIPTION: <u>asphalt</u>	
1					<u>roller bit removed for curb box</u>	
2	<u>1452</u>	<u>1.9</u>	<u>0.0</u>		<u>light brown sand/gravel little silt</u>	<u>dry</u>
3					<u>black sand slight odor</u>	
4	<u>1454</u>	<u>3.2</u>	<u>0.0</u>		<u>dark grey fine sand w/ little gravel trace large gravel</u>	<u>dry</u>
5					<u>Medium brown same as above</u>	
6						
7						
8	<u>1504</u>	<u>3.0</u>	<u>0.0</u>		<u>same as above</u>	<u>dry-moist</u>
9						
10						



5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-19 / PZ-11
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10					Medium brown sand w/ little fine gravel, little large gravel	dry-moist ↓ wet ↓ saturated NO ODOR
11						
12						
13	1508	2	0.0		subrounded gravel little sand	
14						
15						
16	1515	3	0.0		Same as above grey silty clay	
17						
18						
19						
20						
21						
22						



5788 Widewaters way
Dewitt, New York 13214

Boring number: DP-04C

ERM

BORING LOG

Project name & location: <u>NYSDEC - Norwich, NY.</u>		Project number <u>0016040</u>		Date Started: <u>26 Apr 05</u>	Date Completed: <u>26 Apr 05</u>
Drilling company <u>Lyons Drilling Inc.</u>		Geologist <u>Lara</u>		Time: <u>1741</u>	Time: <u>1822</u>
Drilling equipment <u>CME 55</u>		Method <u>direct push</u>		Sampler(s) <u>Harry & Craig</u>	Sampler hammer <u>Drop</u>
Bit(s)		Core barrel(s) <u>21"</u>		Elevation & datum <u>—</u>	Completion depth <u>24</u>
				Rock depth <u>?</u>	
Inspector(s) <u>Lara + Amanda</u>					

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: <u>between DP19 + DP03</u>				SURFACE DESCRIPTION: <u>Asphalt</u>	
0.5	<u>1748</u>	<u>3.5</u>	<u>0.1</u>		<u>medium brown sand gravel some silt</u>	<u>dry</u>
1.0					<u>light grey</u>	
1.5					<u>Medium brown sand fine to coarse gravel</u>	
2.0					<u>little silt</u>	
2.5			<u>0.2</u>			
3.0			<u>0.1</u>			
3.5						
4.0			<u>4.0</u>			
4.5						
5.0			<u>2.0</u>			
5.5	<u>1752</u>	<u>2.5</u>	<u>1.2</u>		<u>same as above</u>	<u>wet</u>
6.0					<u>moderate brown sand and f-c gravel</u>	<u>subo.</u>
6.5			<u>0.3</u>			<u>moist</u>
7.0						
7.5			<u>0.2</u>			
8.0						
8.5			<u>0.3</u>			
9.0						
9.5	<u>1755</u>	<u>2.0</u>	<u>0.0</u>		<u>Same as above</u>	
10.0						
10.5			<u>2.0</u>			
11.0						



5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-04C
Project #: 00710-00
0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10					same as above	
11						
12	1759	2.5			gravel w/ little sand	wet last 2-inches saturated
13			4.4			
14			2.5			
15						
16	1807	3			medium sand subrounded gravel little sand	sample was collected NAPL saturated
17			14			
18			32			
19			28			sample was collected
20	1822	2.5	1.5		medium sand subrounded gravel	saturated
21			1.0		clay little silt	
22						



ERM

5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-04C
Project #: 0016040
~~00719.00~~

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22			0.5		clay little silt	
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						



ERM

5788 Widewaters Parkway
Dewitt, New York 13214Boring Number: DP-28

BORING LOG

Project name & location: <u>NYSDEC Norwich, N.Y.</u>		Project number <u>0016040</u>		Date Started: <u>27 Apr 05</u>		Date Completed: <u>27 Apr 05</u>	
Drilling company <u>Lyons Drilling</u>		Geologist <u>Lara</u>		Sampler(s) <u>Harry + Craig</u>		Sampler hammer <u>Drop</u>	
Drilling equipment <u>CME 55</u>		Method <u>direct push</u>		Elevation & datum <u>—</u>		Completion depth <u>28 feet</u>	
Bit(s) <u>2"</u>		Core barrel(s) <u>2"</u>		Inspector(s) <u>Lara + Amanda (META)</u>			

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: <u>parking lot</u>				SURFACE DESCRIPTION: <u>asphalt</u>	
0	<u>0847</u>	<u>3.5</u>	<u>0.0</u>		<u>medium brown sand and f.c gravel</u>	<u>dry no odor</u>
1						
2						
3					<u>dark grey sand and silt like</u>	
4	<u>0852</u>	<u>3.8</u>	<u>0.0</u>		<u>same as above</u>	<u>moist, no odor</u>
5			<u>0.1</u>		<u>silty clay</u>	
6						
7						
8	<u>0858</u>	<u>2.2</u>	<u>0.0</u>		<u>silty clay sand and gravel</u>	<u>moist, no odor</u>
9						
10						



ERM

5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-28
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10			0.0		sand and gravel	
11						
12	0901	2.2	0.0		Medium brown f-c gravel and f-c sand	wet last 2-inches saturated
13						
14						sample collected
15						
16	0906	0.8	0.0		f-c sand some gravel	saturated
17						driller mentions it gets loose
18						
19						saturated
20	0914	2	0.0		coarse grey sand grades to fine rounded gravel	
21					grades to large angular gravel	
22						



ERM

5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DA-28
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22			0.0		large gravel	saturated
23						
24					more fine sands	
	0931	3.25	0.0		same as above	
25					clay	saturated
26						
27						
28					lob	sample collected
29						
30						
31						
32						
33						
34						



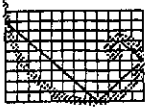
ERM

5788 Widewaters Ferry
Dewitt, New York 13214Boring Number: DP-29

BORING LOG

Project name & location: <u>NYSDEC - Norwich, NY</u>		Project number: <u>0016040</u>		Date Started: <u>27 Apr 05</u>	Date Completed: <u>27 Apr 05</u>
Drilling company: <u>Lyons Drilling</u>		Geologist: <u>Lara</u>		Time: <u>1020</u>	Time: <u>1125</u>
Drilling equipment: <u>CME 55</u>		Method: <u>direct push</u>		Sampler(s): <u>Harry & Craig</u>	Sampler hammer: Drop
Bit(s):		Core barrel(s):		Elevation & datum: —	Completion depth: <u>24 feet</u>
				Inspector(s): <u>Lara + Amanda</u>	Rock depth: —

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: <u>West of Label Shopper</u>				SURFACE DESCRIPTION: <u>Asphalt</u>	
0.5	<u>1025</u>	<u>3</u>	<u>0.0</u>		<u>light gray brown sand + gravel</u>	<u>dry</u>
1						
2						
3					<u>dark grey sand</u>	
4	<u>1031</u>	<u>1.8</u>	<u>0.0</u>		<u>medium brown sand + gravel</u>	<u>dry</u>
5					<u>coarse dark grey sand</u>	
6					<u>fine sand and silt</u>	
7						
8	<u>1036</u>	<u>3</u>	<u>0.0</u>		<u>medium brown fine sand little f-c gravel</u>	<u>moist</u>
9						
10						



5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-29
Project #: D6719-00
6616040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10			0.1		medium brown fine sand little f-c gravel	moist
11						
12	1040	2	0.0		subrounded fine gravel and sand	saturnated
13					grades to subrounded large gravel little sand	
14						
15						
16	1049	2	0.0		medium brown f-c sand some f-c gravel	saturnated
17						
18						
19						sample collected
20	1125	2.5	0.1		grey coarse sand grades to fine subrounded gravel	
21					grades to large rounded gravel	slight tar-like odor
22						



5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-29
Project #: 06718.00
0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22			1.0		clay little fine rounded gravel	saturated
23			0.2		clay very firm ↓ ↓	↓
24					cob	
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						



5788 Widewaters Parkway
Dewitt, New York 13214

Boring number: DP-33/PZ-14

ERM

BORING LOG

Project name & location: <u>NYS DEC / Norwich, NY.</u>		Project number: <u>0016040</u>		Date Started: <u>27 Apr 05</u> Time: <u>1330</u>	Date Completed: <u>27 Apr 05</u> Time: <u>1359</u>
Drilling company: <u>Lyons Drilling</u>		Geologist: <u>Lara</u>		Sampler(s): <u>Harry + Craig</u>	Sampler hammer: Drop
Drilling equipment: <u>CME 55</u>		Method: <u>direct push</u>		Elevation & datum:	Completion depth: <u>20 feet</u>
Bit(s):		Core barrel(s): <u>2-inch</u>		Inspector(s): <u>Lara + Amanda</u>	

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: <u>Columbia St</u>				SURFACE DESCRIPTION: <u>grass</u>	
0.5	<u>1340</u>	<u>3</u>	<u>0.0</u>		<u>medium brown silt</u> ↓ <u>saprolite sand + gravel</u> ↓ <u>gray green silty clay w/ moderate brown blotches</u> ↓ <u>same as above</u> ↓ <u>medium brown sand + gravel</u> ↓ <u>same as above</u>	<u>moist</u> <u>wet</u> ↓ <u>saturated</u>
1						
2						
3						
4						
5	<u>1345</u>	<u>2.75</u>	<u>0.0</u>			
6						
7						
8						
9	<u>1350</u>	<u>1.8</u>	<u>0.0</u>			
10						



ERM

5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-33/P2-14
Project #: ~~0016040~~
0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10			0.0		Medium sand and gravel brown	saturated
11						
12	1352	2.0	0.0		rounded fine gravel and f-c sand	saturated
13						
14						
15						
16	1359	4	0.0		gray purple clay light	sample collected
17						
18						
19						
20					erb	sample collected
21						
22						



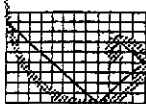
ERM

5788 Widewaters Parkway
Dewitt, New York 13214Boring Number: DP-32/PZ-13

BORING LOG

Project name & location: <u>NYSDEC Norwich, NY.</u>		Project number <u>0016040</u>		Date Started: <u>27 Apr 05</u> Time: <u>1612</u>		Date Completed: <u>27 Apr 05</u> Time: <u>1640</u>	
Drilling company <u>Lyons Drilling</u>		Geologist <u>Lara</u>		Sampler(s) <u>Harry + Craig</u>		Sampler hammer <u>Drop</u>	
Drilling equipment <u>LM-1</u>		Method <u>direct push</u>		Elevation & datum <u>—</u>		Completion depth <u>16 feet</u>	
Bit(s) <u>2"</u>		Core barrel(s) <u>2"</u>		Inspector(s) <u>Lara + Amanda</u>			

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: <u>N side of Bassall Street across from Columbia</u>				SURFACE DESCRIPTION: <u>grass</u>	
0.5	<u>1616</u>	<u>2.8</u>	<u>0.0</u>		<u>dark greyish brown silt trace gravel roots</u>	<u>moist</u>
1						
2					<u>Medium Brown silt trace gravel rust colored mottling</u>	
3						
4	<u>1621</u>	<u>2.8</u>	<u>0.0</u>		<u>grey green silt rust colored mottling</u>	
5					<u>sand and gravel little silt</u>	<u>wet</u>
6						
7						
8	<u>1635</u> <u>1640</u>	<u>3.5</u>	<u>0.0</u>		<u>same as above</u>	<u>saturated</u>
9						
10						



5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-32/PZ-13
Project #: D6719.00.

ERM

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10			00		same as above w/ large rounded gravel	saturated
11						
12	1640	3.5			coarse sand → med gravel rounded	saturated
13						
14						
15					clay	sample collected
16					cob	
17						
18						
19						
20						
21						
22						



ERM

5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-36/PZ-17

BORING LOG

Project name & location: <u>NYSDEC - Norwich, NY.</u>		Project number: <u>006040</u>		Date Started: <u>28 Apr 05</u>	Date Completed: <u>28 Apr 05</u>
Drilling company: <u>Lyons Drilling</u>		Geologist: <u>Lara</u>		Time: <u>0845</u>	Time: <u>0915</u>
Drilling equipment: <u>LH-1</u>		Method: <u>direct push</u>		Sampler(s): <u>Harry + Craig</u>	Sampler hammer: <u>Drop</u>
Bit(s): <u>2"</u>		Core barrel(s): <u>2"</u>		Elevation & datum: <u>—</u>	Completion depth: <u>20</u>
				Inspector(s): <u>Lara</u>	Rock depth: <u>—</u>

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: <u>east of RR tracks NW of DP4/PZ4</u>				SURFACE DESCRIPTION: <u>grass</u>	
0.5	<u>0848</u>	<u>2.8</u>	<u>0.0</u>		<u>medium brown silt, roots</u>	<u>moist-dry</u>
1.0					<u>piece of plastic</u>	
1.5					<u>Medium brown sand silt + gravel</u>	
2.0						
2.5						
3.0						
3.5						
4.0	<u>0854</u>	<u>1.75</u>	<u>0.0</u>		<u>brown sand + gravel</u>	<u>moist</u>
4.5					<u>Medium brown sand + gravel</u>	
5.0					<u>fine silt + clay</u>	
5.5					<u>coarse gravel</u>	
6.0						
6.5						
7.0						
7.5						
8.0	<u>0900</u>	<u>4</u>	<u>0.0</u>		<u>Medium brown sand + gravel</u>	<u>moist</u>
8.5						
9.0						
9.5						
10.0						



5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-36 / P2-17
Project #:

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID (ppm)	Blow Counts		
10					Medium brown silty clay	wet
11					↓ Moderate Brown clay	↓
12	0914	0.0	0.0		↓ clay	↓ saturated
13					↓ silt, little fine gravel trace clay	↓
14					↓	↓
15					↓ silt little fine gravel trace clay	↓
16	0918				↓ No Recovery	↓
17						
18						
19						
20						
21						
22						



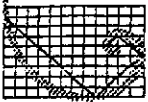
ERM

5788 Widewaters Parkway
Dewitt, New York 13214Boring number: DP-35/P2-16

BORING LOG

Project name & location: <u>NYSDEC - Norwich, N.Y.</u>		Project number <u>0016040</u>		Date Started: <u>28 Apr 05</u>	Date Completed: <u>28 Apr 05</u>
Drilling company: <u>Lyons Drilling</u>		Geologist <u>Lara</u>		Time: <u>1120</u>	Time: <u>1220</u>
Drilling equipment <u>LM-1</u>		Method <u>direct push</u>		Sampler(s) <u>Harry + Craig</u>	Sampler hammer <u>Drop</u>
Bit(s)		Core barrel(s) <u>2"</u>		Elevation & datum	Completion depth <u>24 feet</u>
				Inspector(s) <u>Lara</u>	Rock depth

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION:				SURFACE DESCRIPTION: <u>pine needles</u>	
	<u>1127</u>	<u>1.75</u>	<u>0.0</u>		<u>dark sand and f-c gravel</u>	<u>dry-moist</u>
1						
2						
3						
4	<u>1133</u>	<u>4</u>	<u>0.0</u>		<u>hit refusal at 3.5 - used a point to get to 4 feet</u>	<u>dry-moist</u>
5					<u>same as above</u>	
6					<u>medium brown silt little f-m sand</u>	
7					<u>sand, some fine gravel</u>	
8	<u>1140</u>	<u>4</u>	<u>0.0</u>		<u>same as above</u>	
9						
10						



5788 Widewaters Parkway
Cawett, New York 13214

ERM

Boring Number: DP-35/PZ-16
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10			0.0		sand some fine gravel	moist
11						
12	1152	4	0.0		Clayey silt soft medium brown	saturated
13						sample collected
14					Moderate Brown clay	
15						
16	1201	4	0.0		Same as above	saturated
17						
18						
19						
20	1215	4	0.0		Same as above	saturated
21						
22						



5788 Widewaters Parkway.
Dewitt, New York 13214

ERM

Boring Number: DP-35/P2-16
Project #:

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22			0.0	/	Moderate brown clay	saturated
23			↓	/	↓	↓
24			↓	/	↓	↓
25				/		
26				/		
27				/		
28				/		
29				/		
30				/		
31				/		
32				/		
33				/		
34				/		



5788 Widewater Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-24 / P2-09

BORING LOG

Project name & location: <u>NYSDEC - Norwich, NY</u>		Project number <u>0016040</u>		Date Started: <u>28 Apr 05</u>		Date Completed: <u>26 Apr 05</u>	
Drilling company <u>Lyons Drilling</u>		Geologist <u>Lara</u>		Sampler(s) <u>Harry + Craig</u>		Sampler hammer <u>Drop</u>	
Drilling equipment <u>LM-1</u>		Method <u>direct push</u>		Elevation & datum <u> </u>		Completion depth <u>24 feet</u>	
Bit(s) <u> </u>		Core barrel(s) <u>2-inch</u>		Inspector(s) <u>Lara</u>			

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION:				SURFACE DESCRIPTION: <u>grass</u>	
0.5	<u>1420</u>	<u>4</u>	<u>0.0</u>		<u>dark grey silt sand + gravel</u>	<u>dry - moist</u>
1					<u>Medium Brown sand + gravel</u>	
2						
3					<u>Medium brown sand + ^{AD} gravel</u>	
4	<u>1424</u>	<u>3</u>	<u>0.0</u>		<u>Medium brown f-c sand</u>	<u>moist</u>
5					<u>f-c gravel + sand</u>	
6						
7						<u>last 2-inches wet</u>
8	<u>1429</u>	<u>2.8</u>	<u>0.0</u>		<u>Medium Brown f-c rounded gravel and f-c sand</u>	<u>saturated</u>
9						
10						



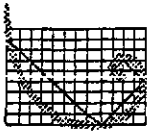
5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Boring Number: DP-26/PZ-09
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10			6.0			saturated
11						
12	1439	2.75	0.0		coarse gravel + sand + med gravel	saturated
13					sand, few s-c gravel	
14					m-c sand and f-c gravel	
15						
16	1444	2.2	0.0		coarse sand + fine gravel	saturated
17					m-c gravel little sand	
18					f-c gravel little	
19						
20	1513	4	150		gravel with sand	light sheen NAPL
21			200			
22						



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Dewitt, New York 13214

ERM

Boring Number: DP-26/P2-09
Project #:

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22			40	/	Medium Brown clay	clay was covered w/ oil like material when sieve was opened but did not seem to be in the sample when broken
23			40	/	Moderate Brown Clay	
24			5	/	lob	
25				/		
26				/		
27				/		
28				/		
29				/		
30				/		
31				/		
32				/		
33				/		
34				/		



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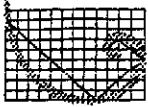
ERM

Boring Number: DP25/P2-10

BORING LOG

Project name & location: <u>NYSDEC - Norwich, NY</u>		Project number: <u>0016040</u>		Date Started: <u>29 Apr 05</u> Date Completed: <u>29 Apr 05</u>	
Drilling company: <u>Lyons Drilling</u>		Geologist: <u>Lara</u>		Time: <u>0915</u> Time: <u>1010</u>	
Drilling equipment: <u>LM-1</u>		Method: <u>direct push</u>		Sampler(s): <u>Harry + Craig</u>	
Bit(s):		Core barrel(s): <u>2"</u>		Sampler hammer: <u>Drop</u>	
				Elevation & datum: _____	
				Completion depth: <u>20 feet</u>	
				Rock depth: _____	
				Inspector(s): <u>Lara</u>	

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: <u>east of garage</u>				SURFACE DESCRIPTION: <u>grass</u>	
0.5	<u>0920</u>	<u>3.4</u>	<u>0.0</u>		<u>Dark brown grey silt sand + gravel</u>	<u>dry - moist</u>
1						
2					<u>Medium brown silt trace sand</u>	
3						
4	<u>0925</u>	<u>3.2</u>	<u>X</u>		<u>same as above</u>	<u>moist</u>
5			<u>max PID 12ppm</u>		<u>Medium Brown fine sand + gravel</u>	
6						
7						
8	<u>0929</u>	<u>2</u>	<u>3</u>		<u>green-grey same as above</u>	<u>fulfill-like sand wet</u>
9					<u>same as above</u>	<u>saturnated</u>
10			<u>10</u>		<u>m-c rounded gravel little fine sand</u>	<u>Lara collects sample</u>



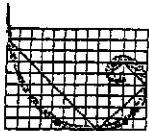
5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: JP-25 / PZ-10
Project #: 0016040

ERM

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10						
11						
12						
13	0948	1.8	6		coarse sand + fine gravel ↓ subrounded f-m gravel	odor
14			2		↓	
15						
16						
17	1010	3.4	0.0		same as above ↓ Medium brown clay	
18					↓ Moderate Brown clay	
19					↓	
20						
21						
22						



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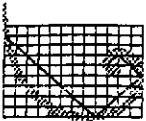
ERM

Boring number: DP-30

BORING LOG

Project name & location: <u>NYSDEC - Norwich, N.Y.</u>		Project number: <u>0016040</u>		Date Started: <u>29 Apr 05</u>		Date Completed: <u>29 Apr 05</u>	
Drilling company: <u>Lyons Drilling</u>		Geologist: <u>Lara</u>		Time: <u>1244</u>		Time: <u>1338</u>	
Drilling equipment: <u>LM-1</u>		Method: <u>direct push</u>		Sampler(s): <u>Harry + Craig</u>		Sampler hammer: <u>Drop</u>	
Bit(s):		Core barrel(s): <u>2-inches</u>		Elevation & datum:		Completion depth: <u>24 feet</u>	
				Inspector(s): <u>Lara</u>		Rock depth:	

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
	BORING LOCATION:				SURFACE DESCRIPTION:	
0					mulch	
	1246	2	0.0		wood mulch	moist
					silt gravel & little sand	
1						
2						
3						
4						
	1250	3	0.0		gravel, little silt sand	driller - has bit at 4 feet
5						moist
6						
					Medium brown clay	
7						
8					Medium brown clay	
	1259	3	0.0		same as above	
9						
10						



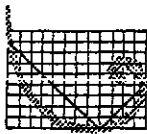
5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-30
Project #: 6016040

ERM

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10					Moderate Brown clay	moist
11						
12						
	1307	3.4	0.0		Moderate brown silty clay	moist
13						
14						
15						
16						
	1320	4	0.0		Moderate brown clayey silt	saturated
17						
18						
19						
20						
	1338	4	0.0		same as above	
21						
22						



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Dewitt, New York 13214

ERM

Boring Number: DP-30
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22			00		Moderate Brown clayey silt	Saturated
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						



ERM

5788 Widewater Parkway
Dewitt, New York 13214Boring Number: DP-31

BORING LOG

Project name & location: <u>NYSDEC - Norwich NY</u>		Project number: <u>0016040</u>		Date Started: <u>29 Apr 05</u>	Date Completed: <u>29 Apr 05</u>
Drilling company: <u>Lyons Drilling</u>		Geologist: <u>Lara</u>		Time: <u>1442</u>	Time: <u>1527</u>
Drilling equipment: <u>CM-1</u>		Method: <u>direct push</u>		Sampler(s): <u>LoHerry & Craig</u>	Sampler hammer: <u>Drop</u>
Bit(s):		Core barrel(s): <u>2"</u>		Elevation & datum:	Completion depth: <u>24 feet</u>
				Inspector(s): <u>Lara</u>	Rock depth:

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
0	BORING LOCATION: <u>SW of DP30</u>				SURFACE DESCRIPTION: <u>old asphalt</u>	
1			0.0		Lara tells NR that there was no NAPL - nothing interesting	
2						
3						
4	1443	3	0.0		silt gravel little sand	
5						
6						
7						
8	1455	4	0.0		Moderate brown silty clay Moderate brown clay little silt	
9						wet ↓
10						wet ↓



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Dewitt, New York 13214

ERM

Boring Number: DP-31
Project #: 0016040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
10			0.0		Moderate brown clay trace silt	wet
11						
12	1501	4	0.0		Moderate brown clay grades to	
13						
14						
15						
16	1507	4	0.0		Moderate brown silty clay Moderate brown clay trace silt	
17						
18						
19						
20	1527	4	0.0		Moderate brown silty clay	
21						
22						



ERM

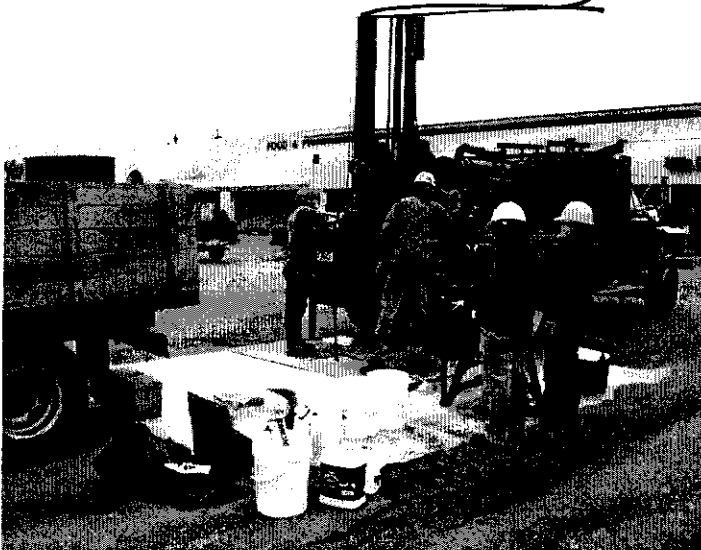
5788 Widewaters Parkway
Dewitt, New York 13214

Boring Number: DP-31
Project #: 096040

BORING LOG

DEPTH (feet below grade)	SAMPLES				SOIL DESCRIPTION	REMARKS
	Sample Number	Recovery (feet)	FID / PID (ppm)	Blow Counts		
22			0.0	/	Moderate brown silt very soft-running	Saturated
23				/		
24				/		
25				/		
26				/		
27				/		
28				/		
29				/		
30				/		
31				/		
32				/		
33				/		
34				/		

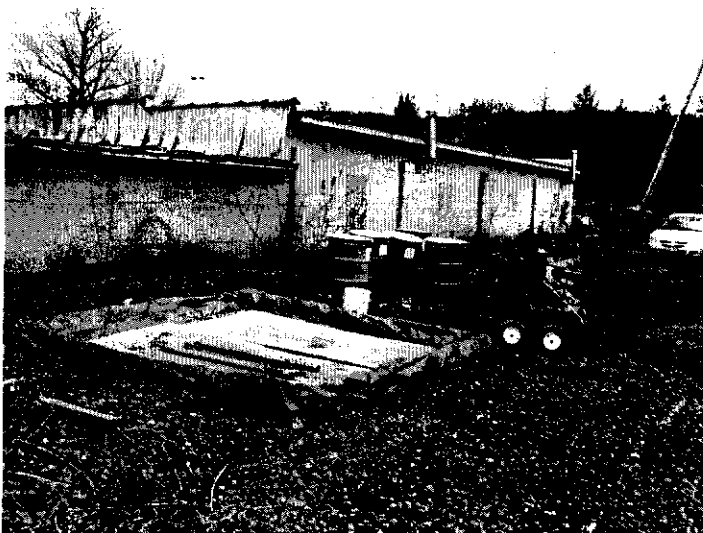
Nonitch Apr 2005



File name: IMG_0093.JPG
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Device Name: Canon PowerShot A510
Shooting Date/Time: 2005:04:24 21:32:05
Exposure Time: 1/250
F Number: 4.0
Exposure Compensation: 0
Focal Length (35mm Film): -
Flash: Off

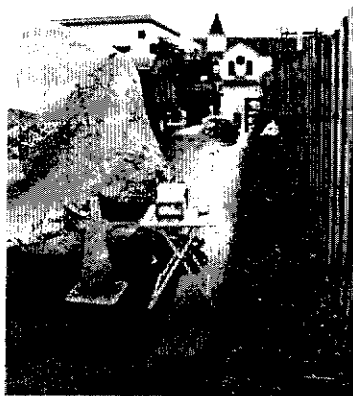


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Image Size (pixels): 2048x1536
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F Number: 4.0
Exposure Compensation: 0
Focal Length (35mm Film): -
Flash: Off



File name: IMG_0095.JPG
Image Size (pixels): 2048x1536
Device Name: Canon PowerShot A510
Shooting Date/Time: 2005:04:24 23:04:09
Exposure Time: 1/400
F Number: 4.0
Exposure Compensation: 0
Focal Length (35mm Film): -
Flash: Off

25 Apr 05



File name: IMG_0098.JPG
Image Size (pixels): 1536x2048
Device Name: Canon PowerShot A510
Shooting Date/Time: 2005/04/25 00:36:32
Exposure Time: 1/640
F Number: 4.0
Exposure Compensation: 0
Focal Length (35mm Film): -
Flash: Off



File name: IMG_0097.JPG
Image Size (pixels): 1536x2048
Device Name: Canon PowerShot A510
Shooting Date/Time: 2005/04/25 04:17:45
Exposure Time: 1/200
F Number: 4.0
Exposure Compensation: 0
Focal Length (35mm Film): -
Flash: Off



File name: IMG_0098.JPG
Image Size (pixels): 2048x1536
Device Name: Canon PowerShot A510
Shooting Date/Time: 2005/04/25 04:18:15
Exposure Time: 1/100
F Number: 4.0
Exposure Compensation: 0
Focal Length (35mm Film): -
Flash: Off



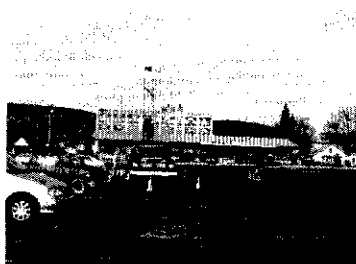
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Image Size (pixels): 1536x2048
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Exposure Time: 1/125
F Number: 4.0
Exposure Compensation: 0
Focal Length (35mm Film): -
Flash: Off



File name: IMG_0100.JPG
Image Size (pixels): 2048x1536
Device Name: Canon PowerShot A510
Shooting Date/Time: 2005/04/25 05:20:50
Exposure Time: 1/60
F Number: 4.0
Exposure Compensation: 0
Focal Length (35mm Film): -
Flash: On



File name: IMG_0102.JPG
Image Size (pixels): 2048x1536
Device Name: Canon PowerShot A510
Shooting Date/Time: 2005/04/25 19:50:28
Exposure Time: 1/800
F Number: 4.0
Exposure Compensation: 0
Focal Length (35mm Film): -
Flash: Off



File name: IMG_0103.JPG
Image Size (pixels): 2048x1536
Device Name: Canon PowerShot A510
Shooting Date/Time: 2005/04/25 19:54:01
Exposure Time: 1/1000
F Number: 4.0
Exposure Compensation: 0
Focal Length (35mm Film): -
Flash: Off

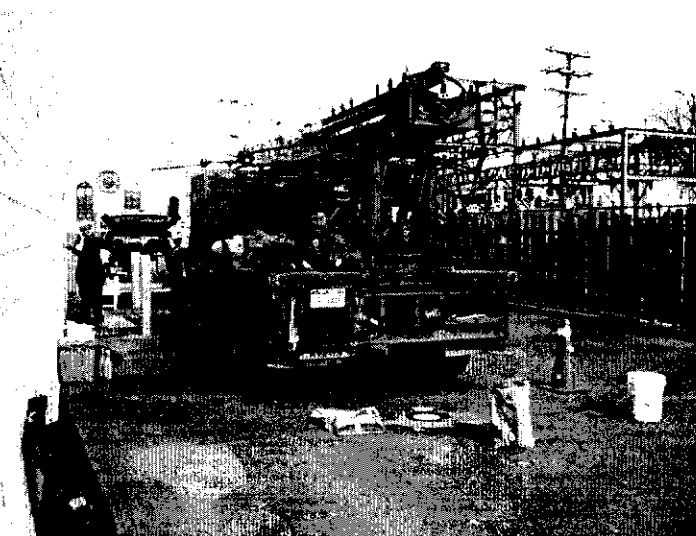
26 Apr 05



File name: IMG_0104.JPG
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 Device Name: Canon PowerShot A510
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 Exposure Time: 1/1000
 F Number: 4.5
 Exposure Compensation: 0
 Focal Length (35mm Film): -
 Flash: Off



File name: IMG_0107.JPG
 Image Size (pixels): 2048x1536
 Device Name: Canon PowerShot A510
 Shooting Date/Time: 2005:04:26 02:51:11
 Exposure Time: 1/1000
 F Number: 4.5
 Exposure Compensation: 0
 Focal Length (35mm Film): -
 Flash: Off



File name: IMG_0108.JPG
 Image Size (pixels): 2048x1536
 Device Name: Canon PowerShot A510
 Shooting Date/Time: 2005:04:26 03:41:27
 Exposure Time: 1/640
 F Number: 2.6
 Exposure Compensation: 0
 Focal Length (35mm Film): -
 Flash: Off

27 Apr 05



File name: IMG_0109.JPG
 Image Size (pixels): 2048x1536
 Device Name: Canon PowerShot A510
 Shooting Date/Time: 2005:04:27 00:33:23
 Exposure Time: 1/800
 F Number: 2.6
 Exposure Compensation: 0
 Focal Length (35mm Film): -
 Flash: Off



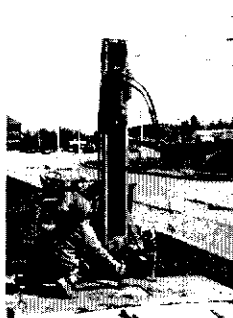
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 F Number: 2.6
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 Focal Length (35mm Film): -
 Flash: Off



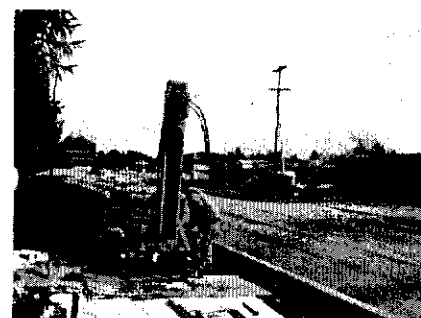
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 Exposure Time: 1/500
 F Number: 2.6
 Exposure Compensation: 0
 Focal Length (35mm Film): -
 Flash: Off



File name: IMG_0111_1.JPG
 Image Size (pixels): 2048x1536
 Device Name: Canon PowerShot A510
 Shooting Date/Time: 2005:04:27 19:45:57
 Exposure Time: 1/500
 F Number: 2.6
 Exposure Compensation: 0
 Focal Length (35mm Film): -
 Flash: Off



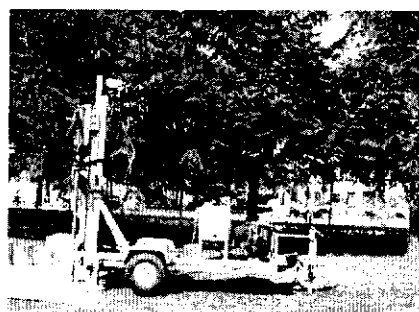
File name: IMG_0112.JPG
 Image Size (pixels): 1536x2048
 Device Name: Canon PowerShot A510
 Shooting Date/Time: 2005:04:27 20:48:52
 Exposure Time: 1/1000
 F Number: 4.0
 Exposure Compensation: 0
 Focal Length (35mm Film): -
 Flash: Off



File name: IMG_0113.JPG
 Image Size (pixels): 2048x1536
 Device Name: Canon PowerShot A510
 Shooting Date/Time: 2005:04:27 20:49:03
 Exposure Time: 1/1000
 F Number: 4.5
 Exposure Compensation: 0
 Focal Length (35mm Film): -
 Flash: Off



File name: IMG_0114.JPG
 Image Size (pixels): 2048x1536
 Device Name: Canon PowerShot A510
 Shooting Date/Time: 2005:04:27 20:49:34
 Exposure Time: 1/1000
 F Number: 3.2
 Exposure Compensation: 0
 Focal Length (35mm Film): -
 Flash: Off



File name: IMG_0115.JPG
 Image Size (pixels): 2048x1536
 Device Name: Canon PowerShot A510
 Shooting Date/Time: 2005:04:27 20:49:55
 Exposure Time: 1/400
 F Number: 3.5
 Exposure Compensation: 0
 Focal Length (35mm Film): -
 Flash: Off



File name: IMG_0116.JPG
 Image Size (pixels): 2048x1536
 Device Name: Canon PowerShot A510
 Shooting Date/Time: 2005:04:27 22:23:48
 Exposure Time: 1/640
 F Number: 2.6
 Exposure Compensation: 0
 Focal Length (35mm Film): -
 Flash: Off

Norwich, NY
 April 2005

28 Apr 05



File name:
Image Size (pixels):
Device Name:
Shooting Date/Time:
Exposure Time:
F Number:
Exposure Compensation:
Focal Length (35mm Film):
Flash:

IMG_0117.JPG
2048x1536
Canon PowerShot A510
2005:04:28 01:19:05
1/1000
2.6
0
-
Off

28 Apr 05



File name:
Image Size (pixels):
Device Name:
Shooting Date/Time:
Exposure Time:
F Number:
Exposure Compensation:
Focal Length (35mm Film):
Flash:

IMG_0118.JPG
2048x1536
Canon PowerShot A510
2005:04:28 02:23:29
1/500
2.6
0
-
Off

29 Apr 05



File name:
Image Size (pixels):
Device Name:
Shooting Date/Time:
Exposure Time:
F Number:
Exposure Compensation:
Focal Length (35mm Film):
Flash:

IMG_0119.JPG
2048x1536
Canon PowerShot A510
2005:04:28 20:06:22
1/640
2.6
0
-
Off

29 Apr 05



File name:
Image Size (pixels):
Device Name:
Shooting Date/Time:
Exposure Time:
F Number:
Exposure Compensation:
Focal Length (35mm Film):
Flash:

IMG_0120.JPG
2048x1536
Canon PowerShot A510
2005:04:28 22:47:56
1/1000
2.6
0
-
Off

29 Apr 05