

**ITHACA COURT STREET FORMER MGP SITE
ITHACA, TOMPKINS COUNTY, NEW YORK
SITE REGISTRY NO. 755008**

**SCOPE OF WORK
MONITORING WELL DECOMMISSIONING AND REPAIR**

INTRODUCTION

On behalf of New York State Electric and Gas (NYSEG), D&B Engineers and Architects, is pleased to present the New York State Department of Environmental Conservation (NYSDEC) with this Monitoring Well Decommissioning and Repair Scope of Work for NYSEG's Ithaca Court Street Former Manufactured Gas Plant (MGP), in accordance with the requirements of a Multi-Site Order on Consent (Index # D0-0002-9309) that was entered into by New York Electric and Gas and the NYSDER in November 2016. This work plan has also been prepared in accordance with the NYSDER's Division of Environmental Remediation (DER) *Technical Guidance for Site Investigation and Remediation (DER 10)*. The Ithaca Court Street Former Manufactured Gas Plant (MGP) Site (Site) is located in the City of Ithaca, Tompkins County, New York. The Site location is shown on **Figure 1**. The Site related management plan is organized into two operable units (OUs) as shown on **Figure 2**. Operable Unit 1 (OU-1) consists of the former MGP Site, surrounding sidewalks, and the location of the former tar duct structures under West Court Street from the Site to North Meadow Street. Operable Unit 2 (OU-2) consists of three off site areas immediately surrounding OU-1 boundary that may have been impacted by the migration of MGP materials directly from the Site and the former tar duct structures west of North Meadow Street.

Site Background

New York State Electric and Gas Corporation's (NYSEG's) predecessors operated a coal gasification plant at the Site from 1853 to 1927. The plant occupied the western portion of the block bound by Esty Street on the north, North Albany Street to the east, North Plain Street on the west, and Court Street on the south. The gas plant had two coal sheds, a gas house containing three horizontal retorts, purifiers, two steel gas holders, two underground coal tar storage vessels, a tar separator, and two oil tanks. A subsurface wooden duct system, consisting of two wooden ducts and clay tile lines was formerly used to transport coal tar from the MGP Site, along West Court Street, to the barge loading facility at Cayuga Inlet Coal Tar Site (NYSDEC Site #7-55-007) for collection and disposal. The Site and off-site areas of OU-1 and select areas of OU-2 were remediated in accordance with the NYSDER approved Remedial Action (RA) work plans with investigations starting in the mid to late 1980's through 2015.

The Site is currently in the New York State (NYS) Inactive Hazardous Waste Disposal Site Remedial Program (Site No. 7-55-008) which is administered by New York State Department of Environmental Conservation (NYSDEC) and is currently classified as a Class 2 inactive hazardous waste disposal site. However, it is anticipated that the Site will be reclassified to a Class 4 site once NYSEG receives the Letter of Satisfactory Completion from NYSDER. The Site has been properly

closed but requires continued site management consisting of operation, maintenance and/or monitoring outlined in the interim Site Management Plan.

The interim SMP was submitted to the NYSDEC in May 2023 following completion of the remedial activities. Following completion of the remedial work, some contamination is left at this Site and off-site areas hereafter referred to as “remaining contamination”. Institutional and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to remaining contamination to ensure protection of public health and the environment. As part of the ECs for the Site, the SMP includes a long-term groundwater monitoring program to assess the natural attenuation of remaining contamination. Monitoring well locations are shown on **Figure 3**.

The long-term groundwater monitoring program over the last five years, conducted in accordance with the interim SMP, included the sampling of eight groundwater monitoring wells on a quarterly basis and an additional seven wells on an annual basis. The findings of the long-term monitoring program were presented in the Five-Year Groundwater Monitoring Evaluation (D&B, October 2025) which was subsequently accepted by the NYSDEC in a letter dated June 15, 2026. The Five-Year Groundwater Monitoring Evaluation recommended the removal of six monitoring wells (MW-24S, MW-25S, MW-31S, MW-33S, MW-40S, and MW-47S) from the long-term monitoring program that are currently sampled annually and one monitoring well (MW-C11) that is currently sampled quarterly.

Thirty-one monitoring wells shown on **Figure 3** are not sampled as part of the long-term monitoring program presented in the SMP and these monitoring wells need to be properly decommissioned in accordance with NYSDEC’s CP-43: *Groundwater Monitoring Well Decommissioning Policy* (the Policy). In addition, monitoring well MW-C11 that was recently removed from the long-term monitoring program, is in disrepair and should be decommissioned. A list of the 31 monitoring wells identified above is presented as **Table 1**. As shown on **Table 1**, 18 monitoring wells have been identified and located for decommissioning, four have sister wells that are currently in the long-term monitoring program, and 10 monitoring well locations need to be further investigated as they have not been located in the field.

SCOPE OF WORK

Four of the monitoring wells designated for decommissioning are located on private, non-NYSEG property. NYSEG will notify the respective homeowners and residents prior to beginning field work.

The monitoring well decommissioning activities will be performed by a D&B Engineers and Architect (D&B) subcontractor and will be observed and documented by an on-site D&B representative. Prior to initiating work, the Contractor is responsible for securing a street work permit from the city of Ithaca before commencing decommissioning efforts. Contractor shall furnish all labor, equipment, materials, supplies, facilities, power and incidentals, as necessary, to decommission monitoring wells as specified herein, in accordance with the Policy and as directed by the Engineer [D&B Engineers and Architects (D&B)]. The well locations to be decommissioned are shown in **Figure 3**. The monitoring well construction logs are provided as

Attachment A, which are the only monitoring well construction logs available. A groundwater table contour map prepared from groundwater elevations observed at monitoring wells in the long-term monitoring program from the most recent monitoring event is provided as **Figure 4**.

The wells will be decommissioned following the Grout in Place method per Section 2.1 of the Policy. The following grout mixture will be used:

- One 94-pound bag Type I Portland cement;
- 3.9 pounds powdered bentonite; and,
- 7.8 gallons potable water.

The wells will be grouted from the bottom to the top, by tremie grouting the well to within five feet of the surrounding land surface in accordance with the Policy. Water generated during grout placement does not need to be collected. A ferrous metal marker will be embedded in the top of the grout to indicate the location of the former monitoring well. The well material (i.e., concrete pad, road box, casing, and riser) will then be removed to a minimum depth of 5 feet bgs. This Scope of Work assumes the risers and casings will be cut and removed using an internal pipe cutter. All well materials will be disposed of as construction and demolition (C&D) debris by the Contractor. The Contractor will be responsible for restoring the work area to match surrounding grade in a manner that prevents future subsidence (e.g., cold patch asphalt, topsoil and seed, etc.).

A Well Decommissioning Record will be completed for each well by the Contractor and is provided as **Attachment B**. The Contractor shall measure and record the depth to bottom of the well prior to decommissioning. All depths shall be measured (to the nearest 0.01 foot) from the top of the well's inner casing or surveyed reference point.

The Contractor will be responsible for the health and safety of their employees. Additionally, the Contractor will be required to contact the One Call Center (or the appropriate utility locating service), receive/review confirmation receipts from each utility, and verify mark-outs prior to any intrusive work. The Contractor is responsible for the identification, protection, and, if damaged, repair of utilities and structures. The Contractor is responsible for procuring any applicable permits. Finally, all drilling services must be completed in accordance with the technical specifications in the subcontract agreement with D&B. D&B will provide the NYSDEC the required 7-day advance notice of any field activity associated with the remedial program.

Additional details for select work activities are provided below.

Waste Handling: The Contractor shall be responsible for disposal of well material with no visible MGP-related impacts (e.g., concrete pad, road box, casing, riser, PPE) and any other visually clean waste streams generated as part of the well decommissioning activities as C&D debris. Waste stream with visual MGP-related impacts will be containerized in Department of Transportation (DOT)-approved 55-gallon steel drums that will be properly labeled by D&B with the contents, generator, location, and date. The containerized waste will be temporarily stored in the secured

storage area onsite, pending transportation for appropriate off-site treatment/disposal by NYSEG in accordance with applicable rules and regulations.

TABLES

Table 1 – Monitoring Wells Not Sampled as Part of Long-Term Monitoring Program

FIGURES

Figure 1 – Site Location Map

Figure 2 – Site Plan

Figure 3 – Monitoring Well Locations

Figure 4 – Groundwater Contour Map

ATTACHMENTS

Attachment A – Available Well Construction Logs

Attachment B – Well Decommissioning Record Template

**Table 1 –Monitoring Well Not Sampled as Part of Long-Term
Monitoring Program**

TABLE 1 - MONITORING WELLS NOT SAMPLED AS PART OF LONG-TERM MONITORING

MONITORING WELL DECOMMISSIONING SCOPE OF WORK
ITHACA COURT STREET FORMER MGP SITE (NYSDEC SITE NO. 755008)
ITHACA, NEW YORK

Well ID	Field Located	Well Construction Log Available (Y/N)	Total Well Depth (ft bgs)	Screen Interval (ft bgs)	Comment
MW-C11	Y	Y	17	10 to 15	In disrepair (Located in North Plain Street))
MW-C13	N	Y	20	8 to 14	Not observed (Assumed Road well covered with asphalt)
MW-C14	N	Y	20	10 to 15	Not observed (Assumed Road well covered with asphalt)
MW-C15	N	Y	20	10 to 16	Not observed (Assumed Road well covered with asphalt)
MW-C17	Y	Y	20	9 to 15	In front of detached garage
MW-11S	N	N			Not observed (Assumed Road well)
MW-11D	N	N			Not observed may need metal detector
MW-12S	N	N			Not observed (Assumed Road well covered with asphalt)
<i>MW-13D</i>	Y	Y	41	30 to 40	<i>Sister well MW-13S currently sampled as part of quarterly sampling</i>
MW-14S	Y	Y	10	3 to 10	One well cover located, not sure if nested.
MW-14D	Y	Y	34	24 to 34	One well cover located, not sure if nested.
MW-17S	Y	Y	9	4 to 9	Located in northwest corner of Washington Park
MW-17D	Y	Y	30	24 to 30	Located in northwest corner of Washington Park
MW-20S	Y	Y	15	5 to 15	MW-20S and MW-20 D located just west of 205 Esty Street in grass
MW-20D	Y	Y	34	24 to 34	Missing Page 2 of 2 of well construction log (assumed)
MW-21S	Y	Y	10	5 to 10	In front of 122 Washington Street
MW-21D	Y	Y	30	20 to 30	In front of 122 Washington Street
<i>MW-22D</i>	N	Y	30	20 to 30	<i>Sister well MW-22S currently sampled as part of quarterly sampling</i>
<i>MW-23D</i>	Y	Y	30	20 to 30	<i>Sister well MW-23S currently sampled as part of quarterly sampling</i>
<i>MW-24D</i>	Y	Y	34	24 to 34	<i>Sister well MW-24S currently sampled as part of annual sampling</i>
MW-26S	N	Y	10	4 to 10	Contact information left with property owner if they locate it
MW-27	N	Y	10	3 to 10	Appears to be behind garage and did not have access
MW-29S	N	N			Not observed may need metal detector
MW-30S	N	Y	12	3 to 12	Not observed may need metal detector
MW-32S	Y	Y	10	4 to 10	Southeast corner of Esty and Washington St. in grass
MW-34S	Y	N			As shown on figure in the grass
MW-35S	Y	Y	8	8 to 8	In grass as shown in Washington Park (Across from 504 Washington St.
MW-37	Y	Y	8	3 to 8	In grass as shown in WashingtonStreet (Across from MW-46S)
MW-38	Y	Y	8	3 to 8	Asphalt driveway between 312 & 316 Washington Street
MW-41S	Y	Y	9	3 to 11	Between 124 and 128 Esty Street in grass
MW-42	Y	Y	12	3 to 12	In asphalt driveway between 416 and 418 North Plain St.
MW-43S	Y	Y	15	4 to 15	Northwest corner of Plain and Esty Streets

Notes:

- 1.
2. Table presents 31 monitoring wells not currently sampled as part of long-term monitoring.
3. Boring logs were not observed in the SMP for 5 well locations as shown above.
4. Eighteen highlighted wells have been located and are assumed be clear for decommissioning.
5. Four italicized wells have sister well adjacent that are sampled as part of long-term monitoring.
6. Five wells (MW-C13, MW-C14, MW-C15, MW-11S, MW-12S) appear to be in a road and covered with asphalt.
7. Five wells (MW-11D, MW-26S, MW-27, MW-29S, MW-30S) were not observed.

Figure 1 – Site Location Map



D&B ENGINEERS
AND ARCHITECTS

NEW YORK STATE ELECTRIC & GAS CORP.
ITHACA COURT STREET FORMER MGP SITE
ITHACA, NEW YORK

SITE LOCATION MAP

SCALE: N.T.S.

FIGURE 1

Figure 2 – Site Plan

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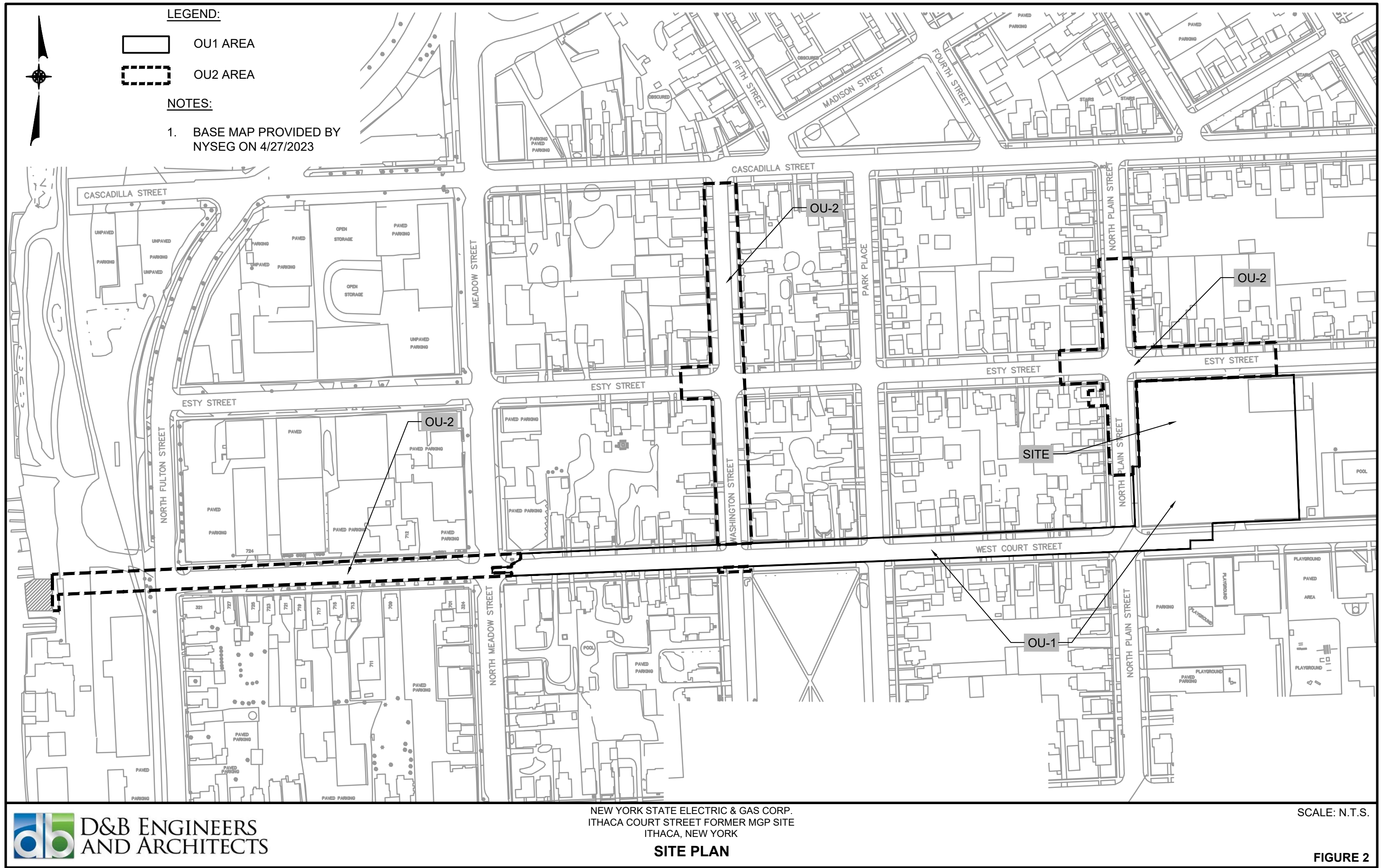
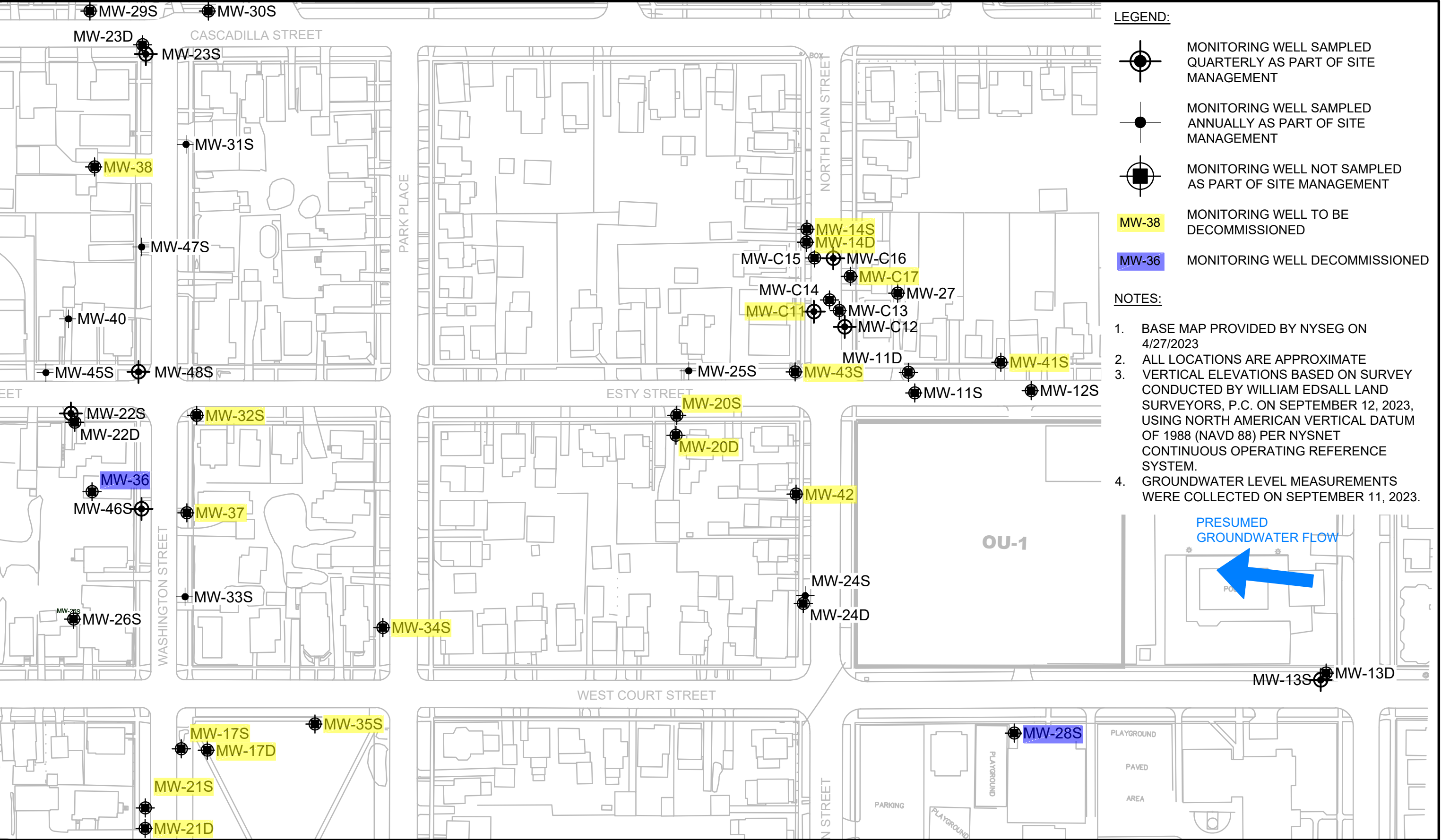


Figure 3 – Monitoring Well Locations

F:\5811\dwg\5811-MONITORING WELL LOCATION MAP.dwg, Layout 1, 6/30/2026 4:31:20 PM, zkaplan



D&B ENGINEERS
AND ARCHITECTS

NEW YORK STATE ELECTRIC & GAS CORP.
ITHACA COURT STREET FORMER MGP SITE
ITHACA, NEW YORK

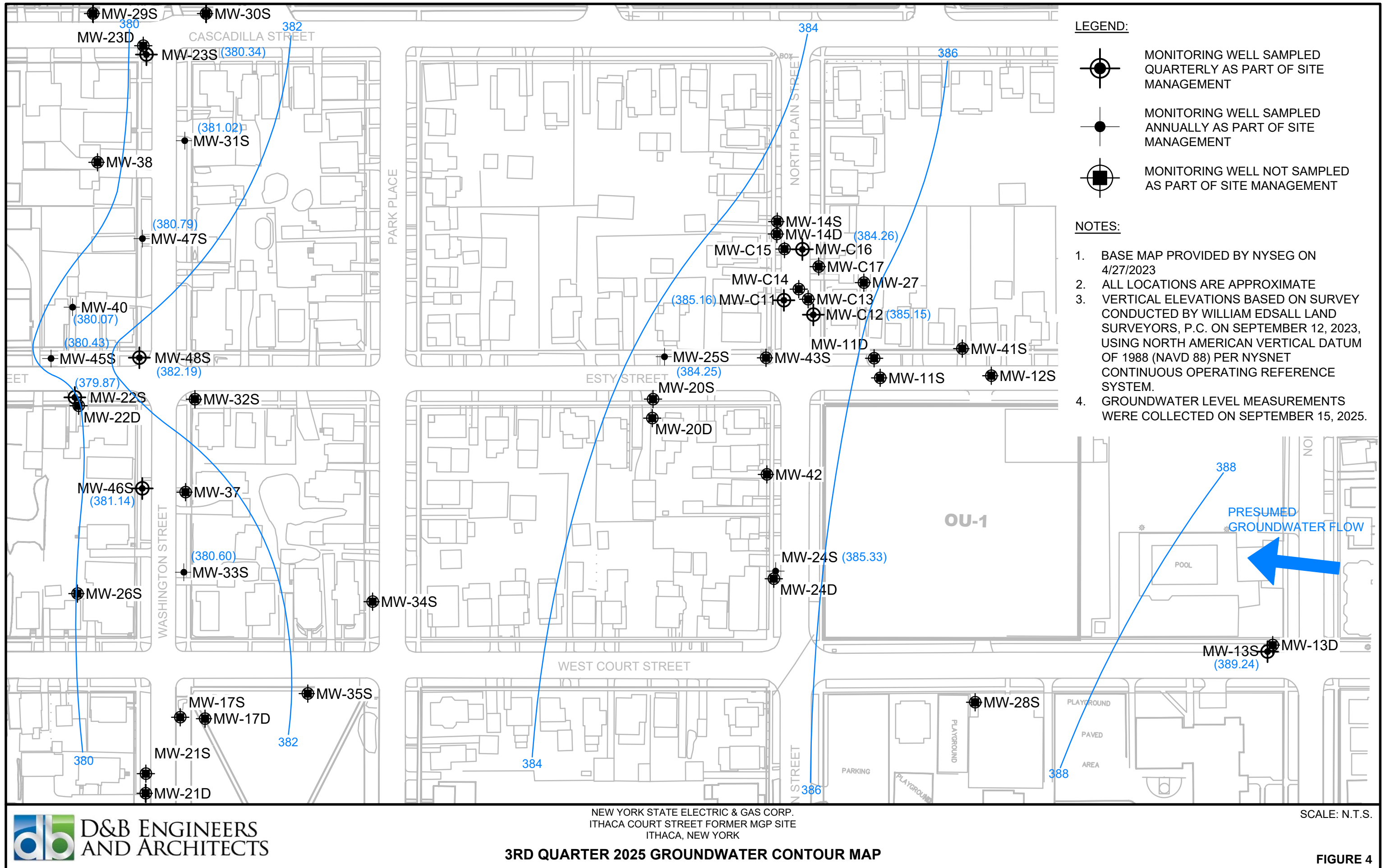
MONITORING WELL LOCATIONS

SCALE: N.T.S.

FIGURE 3

Figure 4 – Groundwater Contour Map

F:\5811\dwg\5811-25-FIG-3.dwg, Layout 1, 11/18/2025 3:58:52 PM, zkapan



3RD QUARTER 2025 GROUNDWATER CONTOUR MAP

FIGURE 4

Attachment A –Available Well Construction Logs

Project Name: Ithaca Court Street OU-2 PDI

NYSEG/Project Number: NYSEG

Date Started/Date Completed: 07/28/11

Boring Location: Area 1C

Drilling Company: ADT

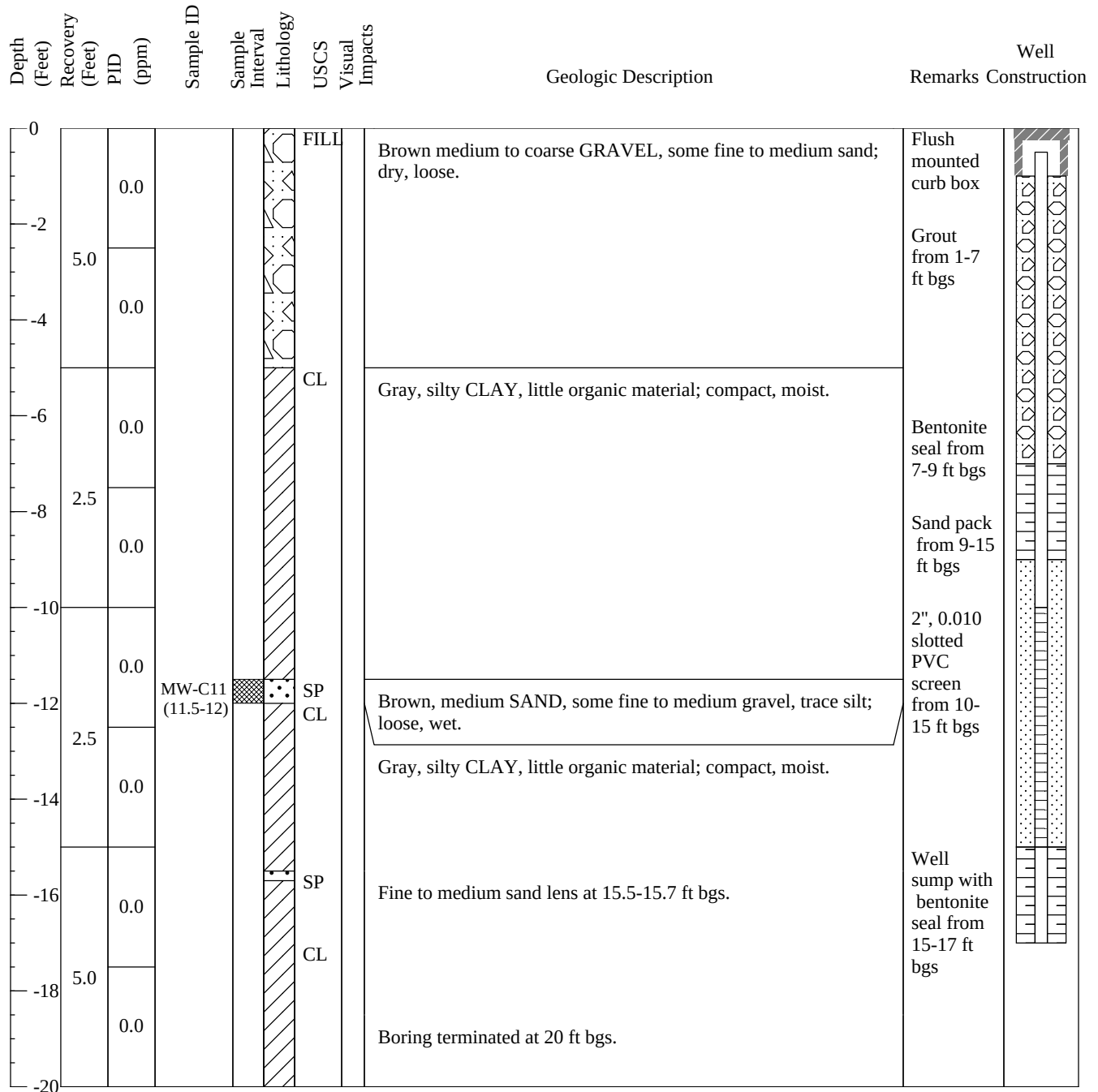
Sampling Method: Sonic Core Barrel

PVC Elevation (ft/msl, NAVD 88):

Ground Elevation (ft/msl, NAVD 88):

Total Depth: 20 ft bgs

Logged By: K. Stahle



Coal Tar or Coal Tar NAPL Saturated Soil



Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

Comments: Soil sample MW-C11 (11.5-12) was collected.

Project Name: Ithaca Court Street OU-2 PDI

NYSEG/Project Number: NYSEG

Date Started/Date Completed: 07/27/11

Boring Location: Area 1C

Drilling Company: ADT

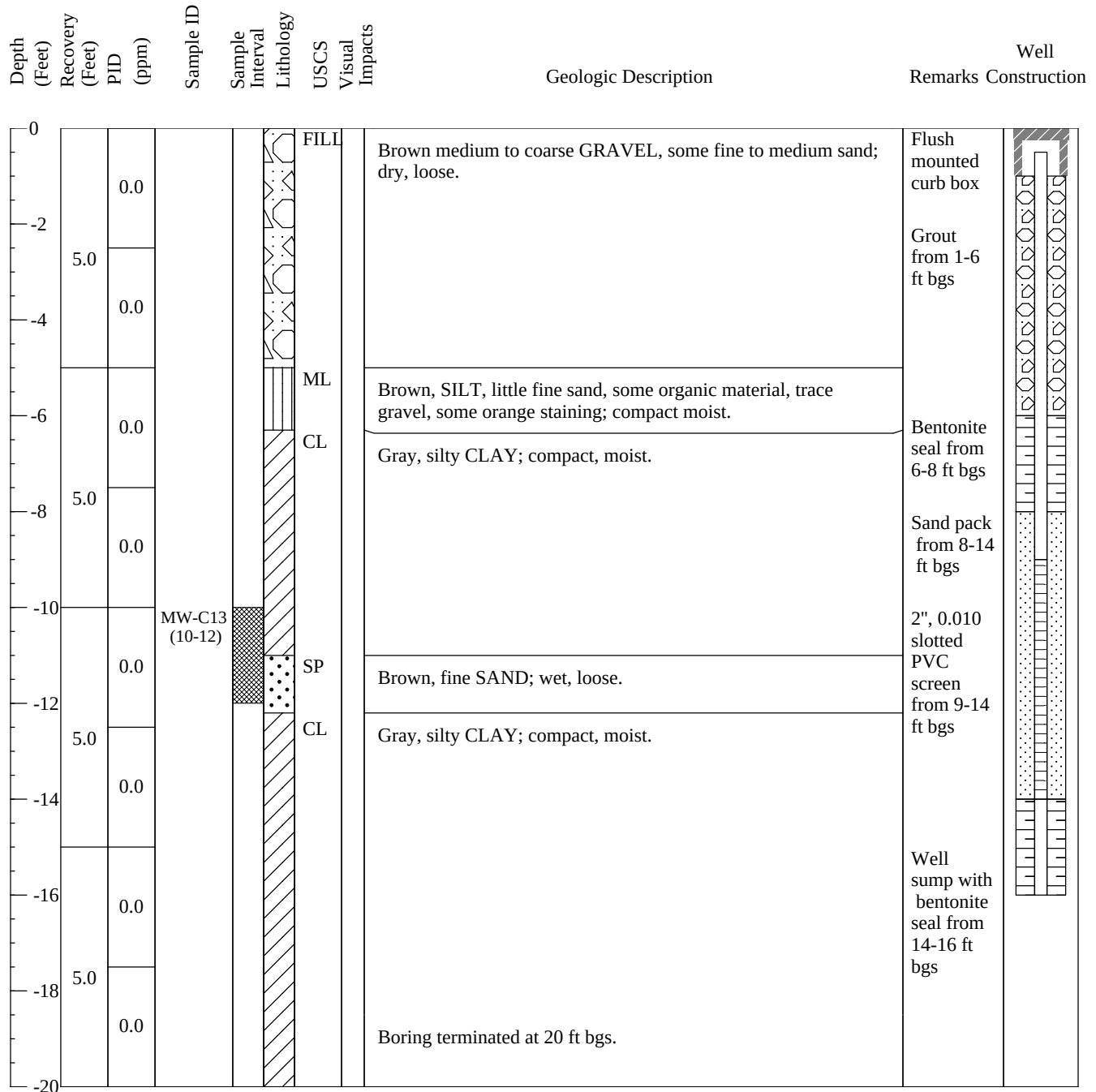
Sampling Method: Sonic Core Barrel

PVC Elevation (ft/msl, NAVD 88):

Ground Elevation (ft/msl, NAVD 88):

Total Depth: 20 ft bgs

Logged By: K. Stahle



Coal Tar or Coal Tar NAPL Saturated Soil



Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

Comments: Soil sample MW-C13 (10-12) was collected.

Project Name: Ithaca Court Street OU-2 PDI

NYSEG/Project Number: NYSEG

Date Started/Date Completed: 07/28/11

Boring Location: Area 1C

Drilling Company: ADT

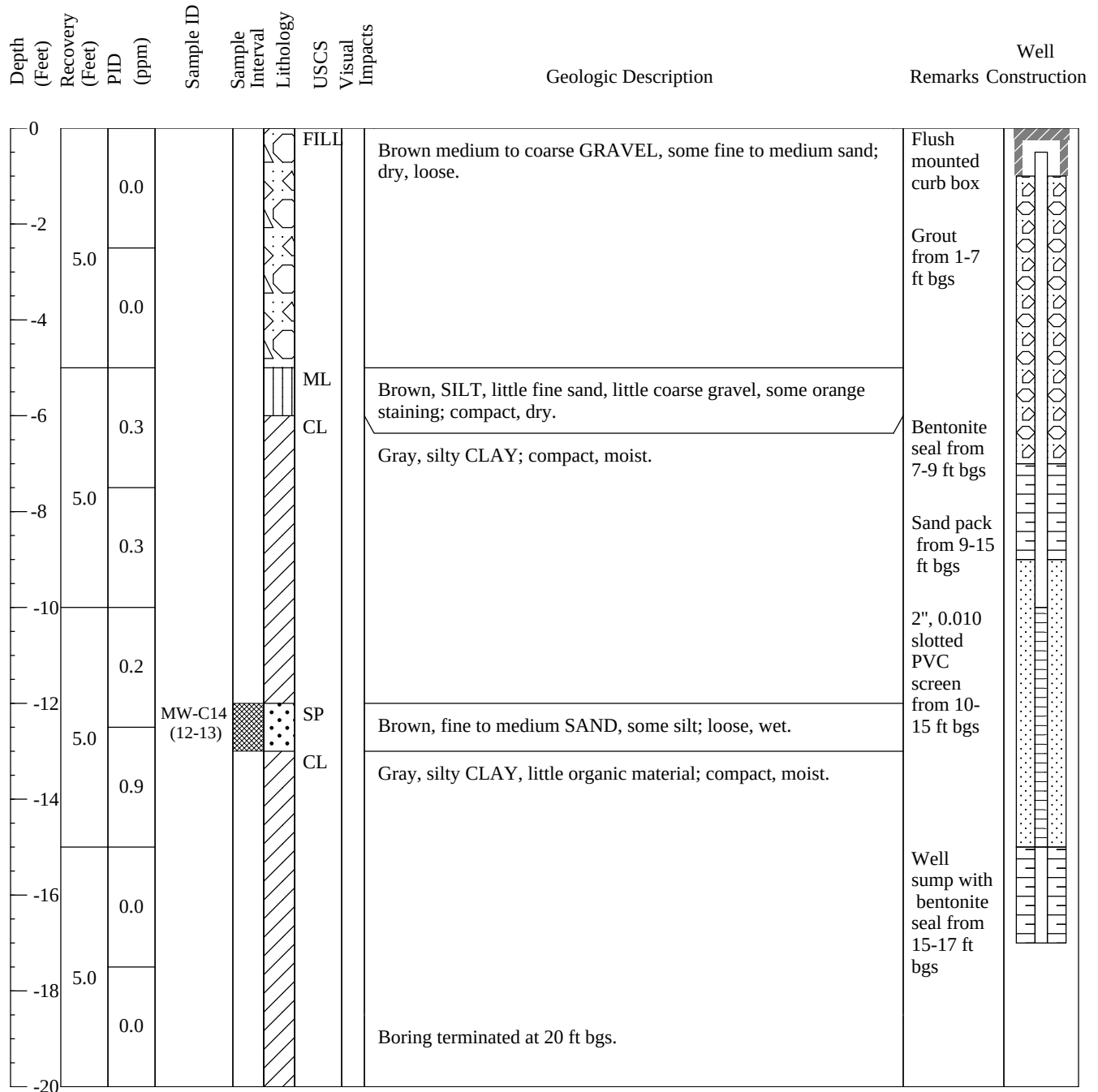
Sampling Method: Sonic Core Barrel

PVC Elevation (ft/msl, NAVD 88):

Ground Elevation (ft/msl, NAVD 88):

Total Depth: 20 ft bgs

Logged By: K. Stahle



Coal Tar or Coal Tar NAPL Saturated Soil



Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

Comments: Soil sample MW-C14 (12-13) was collected.

Project Name: Ithaca Court Street OU-2 PDI

NYSEG/Project Number: NYSEG

Date Started/Date Completed: 07/28/11

Boring Location: Area 1C

Drilling Company: ADT

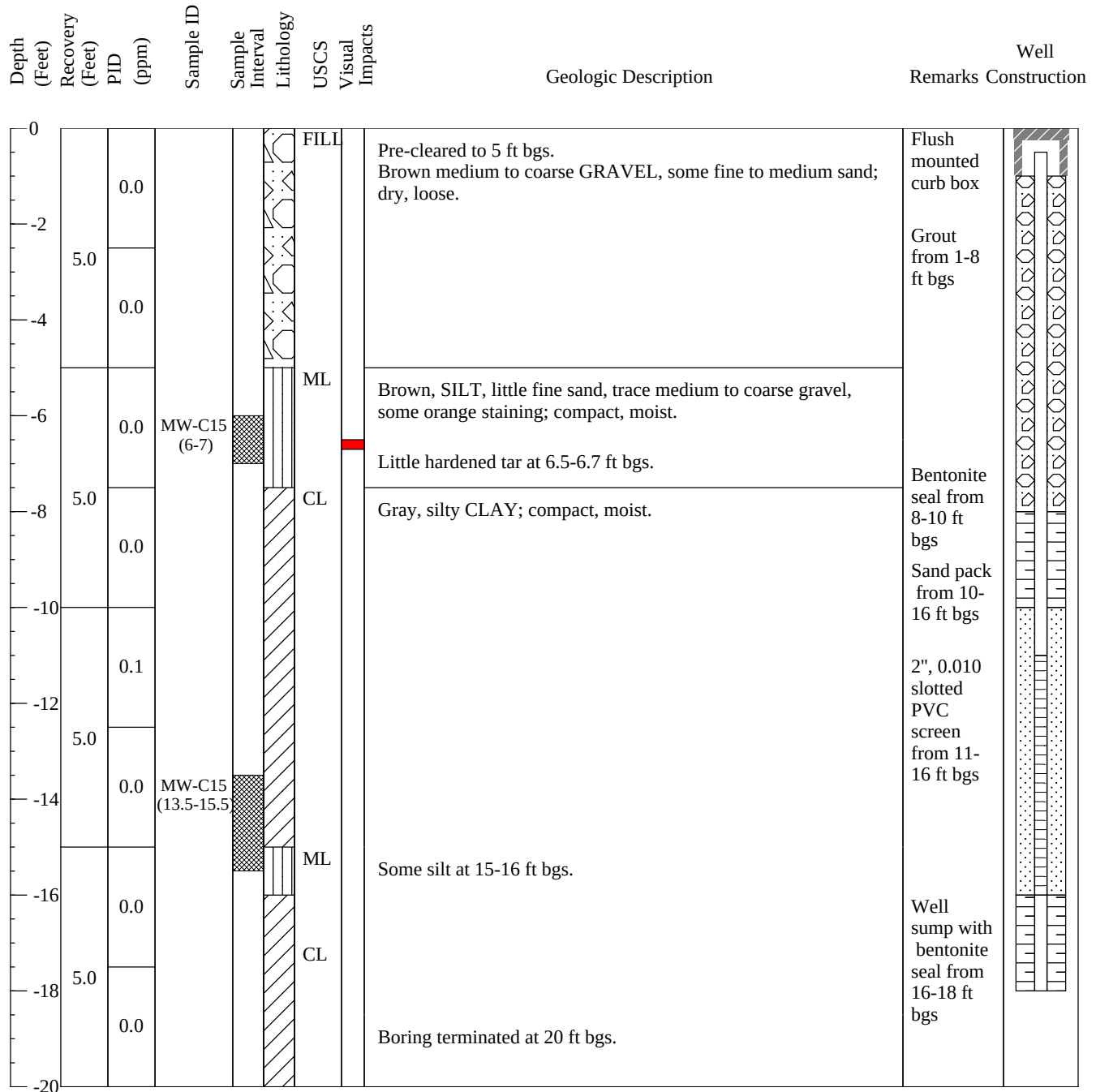
Sampling Method: Sonic Core Barrel

PVC Elevation (ft/msl, NAVD 88):

Ground Elevation (ft/msl, NAVD 88):

Total Depth: 20 ft bgs

Logged By: K. Stahle



Coal Tar or Coal Tar NAPL Saturated Soil



Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

Comments: Soil samples MW-C15 (6-7) and (13.5-15.5) were collected.

Project Name: Ithaca Court Street OU-2 PDI

NYSEG/Project Number: NYSEG

Date Started/Date Completed: 07/26/11

Boring Location: Area 1C

Drilling Company: ADT

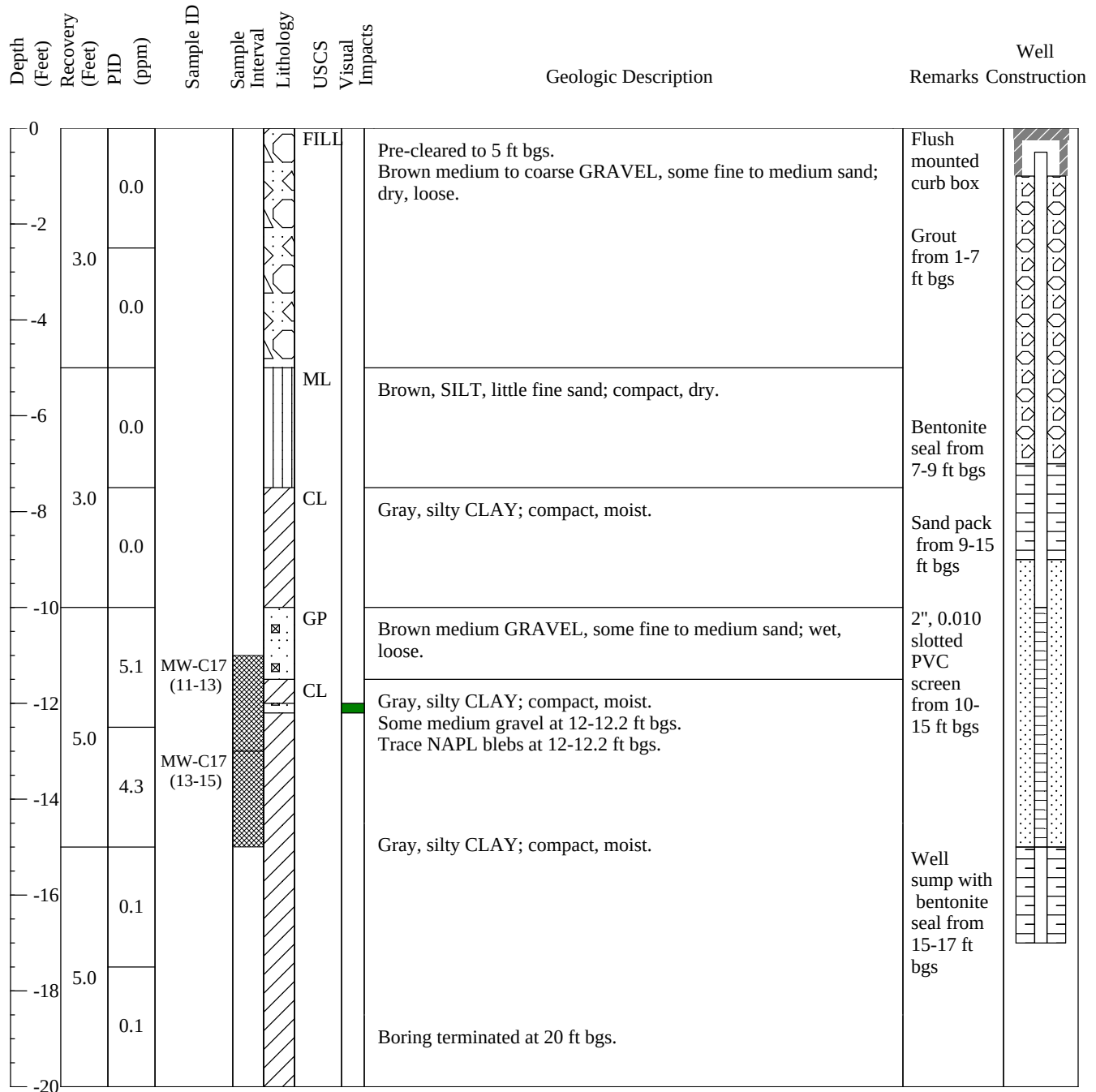
Sampling Method: Sonic Core Barrel

PVC Elevation (ft/msl, NAVD 88):

Ground Elevation (ft/msl, NAVD 88):

Total Depth: 20 ft bgs

Logged By: K. Stahle



Coal Tar or Coal Tar NAPL Saturated Soil



Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

Comments: Soil samples MW-C17 (11-13) and (13-15) were collected.



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Drilling Log

Monitoring Well

MW-13D

Page: 1 of 2

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 46.0 ft. North _____ East _____

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core CME-75

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 1/23/02 Permit # NA

Checked By _____ License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							Brown topsoil, f-m sand, no odor or staining, moist, trace gravel
2		0	1 50%	1		SM	
		0.3	2 40%	2		SM	Same as above, bottom 0.2' is f-c gravel
4		0.1	3 45%	2		GP	Moist, f-m sand, little silt, gray-brown
6		0	4 25%	3		SM	Same as above, bottom 0.2' is f-c gravel.
8		0	5 10%	7		SM	
10		N/A	6 0%	9		GP	Spoon has hit water table. C-gravel, saturated, brown.
12		0.2	7 10%	5		GP	No recovery
14		0.1	8 75%	4		GP	Sand and f-c gravel, 0.1' of gray silty clay in shoe, saturated, no odor or staining.
16		0	9 100%	1		CL	Silty clay, gray, moist to wet.
18		0.8	10 100%	1		CL	Silty clay, gray, soft, wet.
20		0.1	11 100%	2		CL	Same as above
22		0	12 100%	H/2		CL	Soft, same as above, saturated f-m sand lens 0.4' thick at 21.2' BGS.
24				H/2		CL	Same as above, saturated, small lens 0.2' thick at 23' BGS

Continued Next Page



Project NYSEG-Court St. MGP Site

Owner NYSEG

Location Ithaca, NY

Proj. No. 831152

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
24							<i>Continued</i>
							No recovery
26		N/A	13 0%	1 1 1 3			
		0.1	14 100%	5 6 5 8		CL	Silty clay, gray, wet, bottom 0.8' is f-c sand + gravel, no odors or staining
28						GP	
		0.3	15 50%	4 5 9		SP	F-c sand, gray, some c-gravel, saturated, no odors or sheen.
30				10 9 9			
		0.2	16 50%	20 45		SP	0.6' of c-sand and f-c gravel, tight, remainder is silty f-m sand, saturated, tight. No odors or staining
32				H		SM	
		0.2	17 100%	2 3 3		SM	Saturated f-m sand, little silt
34				H			
		0.1	18 80%	2 1 1		SM	Saturated, silty f-sand, trace shell material
36				H			
		0	19 85%	2 3 4		SM	Same as above
38				R/6 H/18		SM	Same as above
40				H/2		SM	Same as above
42		0.1	21 100%			SM	
		0.1	22 90%	1 1 1 1		ML	Sandy silt, gray, saturated, no odors or staining, bottom 0.1' is little clayey
44				H/1			
		0	23 100%	1 2		ML	Same as above, bottom 0.3' is more silty clay
46				H/1			
		0.2	24 90%	1 3		CL	Silty clay, gray, tight.
48							
50							
52							
54							
56							



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Drilling Log

Monitoring Well

MW-14s

Page: 1 of 1

Project NYSEG- Court St. MGP Site Owner NYSEG
 Location Ithaca, NY Proj. No. 831152
 Surface Elev. NA Total Hole Depth 10.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.
 Screen: Dia 2 in. Length 7 ft. Type/Size NA
 Casing: Dia NA Length NA Type NA
 Fill Material Sand with bentonite cap Rig/Core _____
 Drill Co. ADT Method Hollow stem auger
 Driller _____ Log By John Santcroce Date 12/17/01 Permit # NA
 Checked By _____ License No. _____

COMMENTS

Depth (ft.)	Well Completion	PHD (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							0.5' Topsoil, then 0.1' fine to medium sand and gravel
2			1 50%			SP	0.2 ash gray and black, then 0.8 moist silt and fine sand
4			2 50%			SM	wet tan gray silt and fine sand
6			3 75%			ML	
8			4 100%			SP	1' wet tan gray silt and fine sand, 0.5' wet Fine sand and silt with some medium sand, 0.5' wet, tan gray silt and fine sand. Orange mottling.
10			5 90%			CL ML	0.3' silt and fine sand, gray - brown, 1.5' gray silty clay moist.
12							
14							
16							
18							
20							
22							
24							



INTERNATIONAL
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Drilling Log

Monitoring Well

MW-14d

Page: 1 of 2

Project NYSEG- Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. NA Total Hole Depth 34.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.
Screen: Dia 2 in. Length 10 ft. Type/Size NA
Casing: Dia NA Length NA Type NA
Fill Material Sand with bentonite cap Rig/Core _____
Drill Co. ADT Method Hollow stem auger
Driller _____ Log By John Santcroce Date 12/20/01 Permit # NA
Checked By _____ License No. _____

COMMENTS

No odors, no staining throughout

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						SP	
2						SM	
4						ML	
6		na	na %			SP	
8						ML	
10						CL ML	
12		0	1 100%			CL ML	Gray silty clay, moist
14		0	2 100%			CL ML	same as above
16		0	3 100%			CL ML	Moist gray silty clay, fine sand 1.5 feet from top of sample
18		0	4 100%			CL ML	Gray silty clay with small 0.25' sand lens near bottom of sample
20		0	5 100%			CL ML	Gray silty clay
22		0	6 100%			CL ML	Same as above
24		0	7 100%			CL ML	1' Wet silty clay, then 0.5 pete, red organics, tight, then 0.5 gray brown silt, clay and sand
26		0	8 90%			SP	Gray olive saturated fine to medium sand, trace pebbles, organics present. Secondary aquifer @ 24' BGS
28		0	9 50%			SP	Wet olive gray fine to medium sand, little silt
30		0	10 75%			SP	0.5' olive gray fine- medium sand, wet. 1' sand and silt, trace clay, moist
32		0	11 50%			SM	sand and silt, trace clay
34		0	12 50%			CL ML	Moist tight gray silty clay, trace fine sand and organics

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Drilling Log

Monitoring Well **MW-17S**

Page: 1 of 1

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. NA Total Hole Depth 9.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.
Screen: Dia 2 in. Length 5 ft. Type/Size Sch. 40, PVC/10 slot in.
Casing: Dia NA Length NA Type NA
Fill Material #0 sand, and bentonite Rig/Core CME-75
Drill Co. ADT Method Hollow Stem Auger
Driller Less Darrow Log By M. Puglisi Date 1/29/02 Permit # NA
Checked By _____ License No. _____

COMMENTS

Depth (ft.)	Well Completion	Pb (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							For description of geology, see MW-17D
2							
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							



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Drilling Log

Monitoring Well

MW-17D

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Project NYSEG-Court St. MGP Site Owner NYSEG
 Location Ithaca, NY Proj. No. 831152
 Surface Elev. NA Total Hole Depth 34.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.
 Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.
 Casing: Dia NA Length NA Type NA
 Fill Material #0 sand, and bentonite Rig/Core CME-75
 Drill Co. ADT Method Hollow Stem Auger
 Driller Less Darrow Log By M. Puglisi Date 1/29/02 Permit # NA
 Checked By _____ License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0		0	1 60%	1		SP	0.3' of brown topsoil, then brown f-m sand, moist, no odors
2		0	2 50%	40		CL ML	Large piece of wood, 0.2' of tight, silty clay at bottom, may push augers out
4		0	3 50%	6		CL	Piece of wood on top, then tight gray clay
6		N/A	4 0%	1			No recovery, piece of wood stuck in shoe
8		0	5 50%	1		CL ML	Gray, silty clay
10		0.2	6 80%	R/18		CL	1.2' of clay, then silty, f-m sand, saturated. No odors or staining
12		0	7 50%	H/6		GP	Saturated f-c sand and gravel
14		0.1	8 50%	H/1		GP	0.7' of sand and gravel, then silty clay, gray with small brown band near bottom, no odors or staining.
16		0.1	9 50%	R/6		GP	Saturated m-c sand and f-gravel, no odors or staining
18		0	10 40%	H/1		CL ML	0.2' of s+g, then silty clay
20		0	11 50%	R/6		CL	0.3' of silty clay then brown clayey silt -almost peat like, no odors or staining
22		0	12 60%	H/18		SM	Silty f-sand, saturated
24				2			

Continued Next Page



Project NYSEG-Court St. MGP Site

Owner NYSEG

Location Ithaca, NY

Proj. No. 831152

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
24		0	13 50%	R/6 H/1		SM	<i>Continued ~</i> Silty f-sand, saturated, tight, no odor or staining
26		0	14 80%	1 R/6 H/18		SM	Moist to wet f-sand silt
28		0.2	15 65%	H/2		OL	Clayey silt, moist to wet, no odors, trace shell material
30		0.3	16 70%	R/1 H/1		CL ML	Silty clay, moist to wet, soft, no odors, some organics and shell material present
32		0	17 60%	H/2		CL	Clayey silt, tight
34		0.2	18 80%	R/1 H/1		CL ML	Silty clay, with shell material and organics, no odors or staining
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							



INTERNATIONAL
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Drilling Log

Monitoring Well

MW-20S

Page: 1 of 1

Project NYSEG-Court St. MGP Site Owner NYSEG

Location Ithaca, NY Proj. No. 831152

Surface Elev. NA Total Hole Depth 15.0 ft. North East

Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.

Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.

Casing: Dia NA Length NA Type NA

Fill Material #0 sand, and bentonite Rig/Core Davey Drill, DK-50, track mounted

Drill Co. ADT Method Hollow Stem Auger

Driller Less Darrow Log By M. Puglisi Date 2/26/02 Permit # NA

Checked By License No.

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							For description of geology, see MW-20D.
2							
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							



INTERNATIONAL
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Drilling Log

Monitoring Well

MW-20D

Page: 1 of 2

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. NA Total Hole Depth 36.0 ft. North _____ East _____
Top of Casing NA Water Level Initial ▽ 7.0 ft. Static NA Diameter 4.25 in.
Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.
Casing: Dia NA Length NA Type NA
Fill Material #0 sand, and bentonite Rig/Core Davey Drill, DK-50, track mounted
Drill Co. ADT Method Hollow Stem Auger
Driller Less Darrow Log By M. Puglisi Date 2/26/02 Permit # NA
Checked By _____ License No. _____

COMMENTS

Depth (ft.)	Well Completion	PtQ (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							Black topsoil, with 0.4' of slag fill + f-c gravel
2			1 50%				
4			2 65%			SP	Brown f-m sand, with orange mottling, no odor or staining.
6			3 50%			SP SM	Same as above for 0.4', then clayey, f-m sand, wet, gray, no odor or staining, little f-gravel
8			4 45%			SP SM	Same as above bottom 0.6', wet to saturated, little coarse gravel, bottom 0.1' is gray silty f-sand
10			5 75%	H/1		OL	Gray silty clay, wet, no staining or odors, trace organics
12			6 80%	H/1		OL	0.3' of saturated silty f-sand, then same as above
14			7 100%			SM	0.5' of silty clay, then 1.0' of m-c sand, trace c-gravel, saturated, then 0.5' of gray silty f-sand (peat like), slight clayey texture, moist, no odors or staining, some organics
16			8 100%	H/1		SC SM	Alternating bands of f-m sand and silty clay, saturated sand, clay is wet, no odors or staining
18			9 80%	H/6		SC SM	0.3' of m-sand, saturated, little f-sand, then silty clay, no odors or staining
20			10 100%	H/2		OH	Gray silty clay, no odors or staining, firm, organics present
22			11 100%	R/6 H/1		OH	Same as above
24			12 100%			OH	Same as above, bottom 0.3' is silty f-sand, some bands of brown peat like material

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INTERNATIONAL
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Drilling Log

Monitoring Well

MW-21S

Page: 1 of 1

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. NA Total Hole Depth 10.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.
Screen: Dia 2 in. Length 5 ft. Type/Size Sch. 40, PVC/10 slot in.
Casing: Dia NA Length NA Type NA
Fill Material #0 sand, and bentonite Rig/Core CME-75
Drill Co. ADT Method Hollow Stem Auger
Driller Less Darrow Log By M. Puglisi Date 1/28/02 Permit # NA
Checked By _____ License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							For description of geology, see MW-21D.
2							
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							



INTERNATIONAL TECHNOLOGY CORPORATION

Drilling Log

Monitoring Well

MW-21D

Page: 1 of 2

Project NYSEG-Court St. MGP Site Owner NYSEG
 Location Ithaca, NY Proj. No. 831152
 Surface Elev. NA Total Hole Depth 35.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.
 Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.
 Casing: Dia NA Length NA Type NA
 Fill Material #0 sand, and bentonite Rig/Core CME-75
 Drill Co. ADT Method Hollow Stem Auger
 Driller Less Darrow Log By M. Puglisi Date 1/28/02 Permit # NA
 Checked By _____ License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							Dark Brown, topsoil, f-m sand at bottom 0.3', moist
0.1		1	50%	2			
2		0	50%	2		SP SM	Top 0.8' is same as above with little coarse gravel, then light gray, f-silty sand, orange mottling
4		0	50%	3		SP SM	Top 0.2' is same as above, then m-sand, wet to saturated, trace f-c gravel
6		0.2	85%	H/2		CL ML	Top 0.2' is same as above, then silty, clayey f-sand to ~7, then silty clay, gray, no odors or staining
8		0	70%	H/2		CL ML	Clayey silt, sand lenses with silty clay bands, soft, wet. No odors or staining
10		0.1	90%	H/2		OL	Gray silty clay, wet, no odors, organics present
12		0	65%	R/6 H/1		OL	Soft, silty clay, becoming f-sand + silt, bottom 0.3' has pieces of wood in sample, no odors or staining
14		0	70%	2		SP	Dark gray, m-c sand, saturated, bottom 0.2' is c-gravel and m-c sand
16		0	25%	2		SP	Same as above
18		0.1	30%	2		SP	Same as above, little silt
20		0.1	20%	2		SP	Same as above, piece of wood
22		0.3	20%	H/1		SM	Saturated f-sand, some silt, little m-sand, no odors
24				3			

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Drilling Log

Monitoring Well

MW-21D

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Project NYSEG-Court St. MGP Site

Owner NYSEG

Location Ithaca, NY

Proj. No. 831152

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
24		0.2	13 35%	R/6 1		SM	<i>Continued</i> Saturated f-m sand, bottom 0.2' is silty f-sand
26		0	14 60%	H/18 1		SM	Silty f-sand, wet piece of wood in bottom
28		0	15 100%	H/2 1		OL ML	Clayey silt, moist, no odors or staining
30		0.1	16 90%	H/2		OL ML	Same as above, some shell material visible
32		0	17 65%	H/2		OL ML	Same as above
34		0	18 100%	H/2		OL	Silty clay, large amount of shell material, moist
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							



INTERNATIONAL
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Drilling Log

Monitoring Well

MW-22D

Page: 1 of 2

Project NYSEG-Court St. MGP Site Owner NYSEG
Location Ithaca, NY Proj. No. 831152
Surface Elev. NA Total Hole Depth 32.0 ft. North NA East NA
Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.
Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.
Casing: Dia NA Length NA Type NA
Fill Material #0 sand, and bentonite Rig/Core Davey Drill, DK-50, track mounted
Drill Co. ADT Method Hollow Stem Auger
Driller Less Darrow Log By M. Puglisi Date 2/27/02 Permit # NA
Checked By NA License No. NA

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							0.4' of topsoil, then black and white ash/slag fill
2		0.0	1 85%	2			
				4			
				5			
				5			
2		0.0	2 50%	2		SM	Grayish brown with orange mottling, silty f-sand, no odors
				3			
				3			
4		0.0	3 75%	2		SP SM	Same as above, bottom 0.4' is little m-sand, wet, no odors
				1			
				2			
				2			
6		0.0	4 100%	2		SM	Same as above bottom 0.4' with trace f-gravel, then bottom 0.6' is silty f-sand, clayey texture, gray with orange mottling, moist, no odors
				2			
				2			
8		0.0	5 85%	H/1		SC	0.6' of material from above, then changes to all gray silty clay, moist, no odors
				2			
10		0.0	6 80%	H/6		SC	Same as above bottom 1.1', then at 11.5' BGS change to f-m sand, gray, wet to saturated in bottom 0.2', no odors
				1			
				1			
12		0.0	7 65%	1		OL	0.4' of f-m sand from above, then gray silty clay, organics present, no odors, sand is saturated
				2			
14		0.0	8 100%	R/18		OL	Soft, gray silty clay, no odors
				2			
16		0.0	9 100%	R/6		OL	Soft, wet to saturated silty clay, trace f-sand, bottom 0.4' is tighter, not as wet, has organics present
				2			
				2			
18		0.0	10 70%	H/6		ML	Gray silt with some fine sand and organic material, no odors or staining
				1			
				1			
20		0.0	11 80%	H/1		SP SM	Silty f-sand, organic material, brownish gray, little m-sand, trace f-gravel, no odors
				1			
22		0.0	12 70%	2		SP SM	0.2' of peat like material, then 0.3' of f-m sand, little c-sand, saturated, then back to gray silty f-sand, moist to wet, no odors
				2			
				2			
24				2			

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Project NYSEG-Court St. MGP Site

Owner NYSEG

Location Ithaca, NY

Proj. No. 831152

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
24		0.0	13 60%	H/1 1		SM	<i>Continued</i> Silty, f-sand, wet, no odors or staining
26		0.0	14 75%	1 1 1		SM	Same as above, organics present, little shell material present
28		0.0	15 100%	H/2 2		SM	Same as above, wet
30		0.0	16 90%	H/2		SM	Same as above, bottom 0.4' is silty clay with organics and shell material
32		0.0	17 75%	H/1 1 2		OL	Same as above
34							
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							



**INTERNATIONAL
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Drilling Log

Monitoring Well

MW-23D

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Project NYSEG-Court St. MGP Site Owner NYSEG
 Location Ithaca, NY Proj. No. 831152
 Surface Elev. NA Total Hole Depth 32.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial NA Static NA Diameter 4.25 in.
 Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.
 Casing: Dia NA Length NA Type NA
 Fill Material #0 sand, and bentonite Rig/Core Davey Drill, DK-50, track mounted
 Drill Co. ADT Method Hollow Stem Auger
 Driller Less Darrow Log By M. Puglisi Date 2/27/02 Permit # NA
 Checked By _____ License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							Drilled to 16' BGS, for description of geology see SB-99.
2							
4							
6							
8							
10							
12							
14							
16							
18		0.0	1 100%	1	OL	OL	Gray silty clay, organics present, no odors or staining, moist to wet
20		0.0	2 100%	1	SP SM	SP SM	Grayish brown (change at 18.4' BGS) sandy silt with clayey texture, numerous organics present, some shell material, no odors, moist
22		0.0	3 100%	1	SP SM	SP SM	Silty, f-sand, little m-sand, gray/brown, moist to wet at bottom 0.4', organics throughout, no odors
24		0.0	4 100%	1	SP SM	SP SM	Same as above, saturated, slight clayey texture

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Project NYSEG-Court St. MGP Site

Owner NYSEG

Location Ithaca, NY

Proj. No. 831152

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
24							<i>Continued</i>
		0.0	5 100%	1 1 1 1		SP SM	Same as above, moist to wet, no odors
26		0.0	6 65%	2 1 1		SM	Saturated, dark gray, silty f-sand/sandy silt, organics and shell material present, no odors
28		0.0	7 100%	H/18 2		SM	Same as above, bottom 0.2' not as wet
30		0.0	8 100%	H/1 2 1 1		SM	Same as above, moist, bottom 0.3' becoming slightly clayey, no odors
32		0.0	9 80%	2 2 2 4		OL	Silty clay, gray, with organics and shell material, no odors, wet
34							
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							



INTERNATIONAL
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Drilling Log

Monitoring Well

MW-24D

Page: 1 of 2

Project NYSEG-Court St. MGP Site Owner NYSEG
 Location Ithaca, NY Proj. No. 831152
 Surface Elev. NA Total Hole Depth 34.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial ▽ 13.0 ft. Static NA Diameter 4.25 in.
 Screen: Dia 2 in. Length 10 ft. Type/Size Sch. 40, PVC/10 slot in.
 Casing: Dia NA Length NA Type NA
 Fill Material #0 sand, and bentonite Rig/Core Davey Drill, DK-50, track mounted
 Drill Co. ADT Method Hollow Stem Auger
 Driller Less Darrow Log By M. Puglisi Date 2/28/02 Permit # NA
 Checked By _____ License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0		0.0	1 60%	5			Black ash and slag fill for 0.6' then s+g, brownish gray, moist, no odors
2		0.0	2 50%	11		SP SM	Light brown to tan with orange mottling, silty f-sand, some f-c gravel, no odors
4		0.0	3 50%	5		SM	0.3' of f-m sand, then gray and orange silty f-sand, no odors, moist, organics present
6		0.0	4 75%	2		SM	Same as above, becoming clayey with depth, orange mottling disappears with depth, no odor, organics present
8		N/A	5 0%	4			No recovery
10		0.0	6 75%	1		OL	Gray clay, no odors or staining, moist to wet, firm
12		0.0	7 50%	1		OL	Same as above wet to saturated
14		0.0	8 80%	2		OL	Same as above, 0.2' thick lens of clayey f-m sand at 15' BGS
16		0.0	9 50%	2		OL	Softer than above, bottom 0.2' is clayey silt, saturated, no odors
18		0.0	10 70%	2		CL	0.3' of f-m sand, gray, saturated, then gray silty clay, no odors, clay is soft and wet
20		0.0	11 100%	H/2		SM	0.4' of saturated f-m sand, then sandy silt, soft, saturated, then 0.5' of saturated f-m sand, then back to sandy silt, no odors
22		0.0	12 60%	H/6		SC SM	Soft, sandy silt, slight clayey texture, becoming finer with depth, no odors
24				1			
				2			
				2			

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Project NYSEG-Court St. MGP Site

Owner NYSEG

Location Ithaca, NY

Proj. No. 831152

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
24							<i>Continued</i>
		0.0	13 75%	H/6 1 2 3		SC SM	0.3' of f-m sand, saturated, then 0.5' thick brown layer(peat), then clayey, sandy silt, soft
26		0.0	14 50%	3 6 7		SP	Saturated, gray, f-m sand, no odors
28		0.0	15 100%	R/1 6 1 3		SP SM	Saturated gray f-m sand, bottom 0.3' becoming silty, no odors
30		0.0	16 100%	H/1 2 2		SP SM	1.5' of sand from above, then silty f-sand, little m-sand, organics and trace shell material present
32		0.0	17 65%	2 5 6		SM	Silty f-sand, little m-sand, organics, bottom 0.3' has 0.1' thick band of peat, no odors
34		0.0	18 100%	R/6 H/18		OL	Saturated f-m sand top 0.5', then 0.3' of silty f-sand, then silty clay, organics and shell material present
36							
38							
40							
42							
44							
46							
48							
50							
52							
54							
56							

**Boring / Well ID: MW-26s**

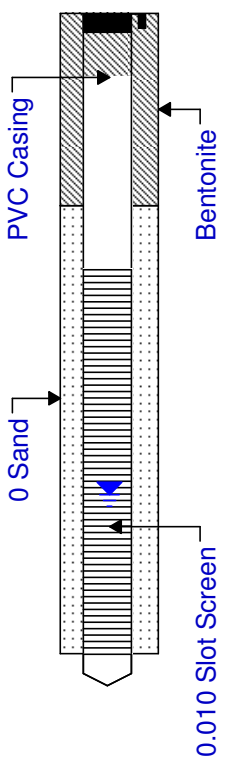
Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023

Geologist: PS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE					Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)		
0		Ground Surface							
1	Fill	Hand dig to clear utilities Topsoil and fill	1	HD	NA	24"	0		
2	Silty Sand	Tan silty sand, mottled	2	SS	1,1,2,2	24"	0		
3									
4									
5	Silty Clay	Gray silty clay, wet at 7.5'	3	SS	2,2,3,4	20"	0		
6									
7			4	SS	1,1,2,2	24"	0		
8									
9			5	SS	H 1, 2, 1	24"	0		
10									
11									
12									
13									
14									
15									
16									
17									
18									

Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 3/23/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

**Boring / Well ID: MW-27s**

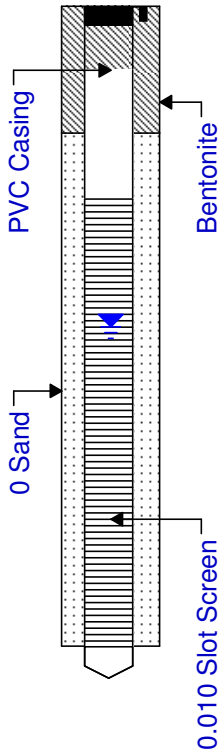
Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023

Geologist: PS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE				Well Construction	Remarks	
Depth	USCS	Description	Number	Type	Blows/6in	Recovery			PID (ppm)
0		Ground Surface							No odor or stain throughout boring
1	Fill	Fill consisting of sand and silt, some white ash and slag							
2	Silty Sand	Tan silty sand, moist, trace rounded medium gravel, medium sand lenses at 6 feet and 6.5 feet, saturated at 5 feet	1	MC	NA	24"	2.2		
3									
4									
5			2	MC	NA	60"	5.5		
6									
7									
8									
9	Silty Clay	Gray silty clay, wet, no odor no sheen no stain							
10		End of Borehole							
11									
12									
13									
14									
15									
16									
17									
18									

Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 6/3/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

**Boring / Well ID: MW-30s**

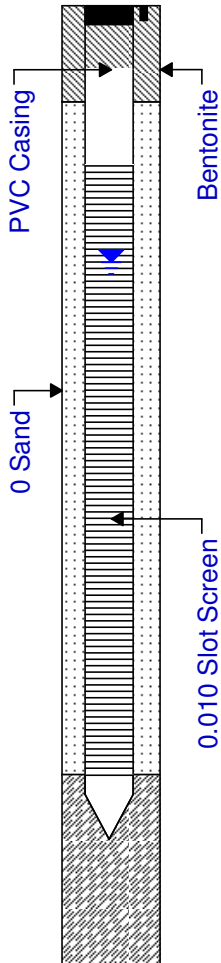
Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023

Geologist: PS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE				Well Construction	Remarks	
Depth	USCS	Description	Number	Type	Blows/6in	Recovery			PID (ppm)
0		Ground Surface							
0	Fill	Hand dig to clear utilities 0' -4'							
1		6" Topsoil							
1		14" Ash and sand							
2	Silty Sand	Tan silty sand with some clay from 5.5'-9.5', wet at 4' bgs	1	HD	NA	NA	0		
3									
4			2	MC	NA	11	0		
5									
6									
7									
8			3	MC	NA	46	0		
9									
10	Silty Clay	Gray silty clay							
11									
12			4	MC	NA	36			
13									
14									
15									
16									
17									
18									

Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Direct Push

Drill Date: 3/24/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

**Boring / Well ID: MW-30s**

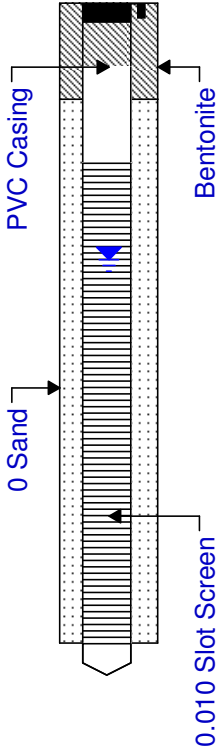
Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023

Geologist: PS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE				Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	
0		Ground Surface						
0		Silty Sand Hand dig to clear utilities 0' -3' 6" Top soil followed by tan silty sand	1	HD	NA	NA	0	
1								
2								
3		Silty Clay Gray silty clay, saturated at 4', sand lenses 4.5'-5' and 5.5'-6'	2	MC	NA	24"	0	
4								
5								
6								
7								
8								
9			3	MC	NA	36	0	
10								
11								
12								
13								
14								
15								
16								
17								
18								

Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Direct Push

Drill Date: 3/24/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

**Boring / Well ID: MW-32s**

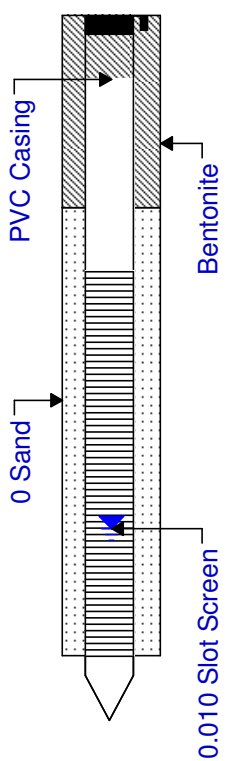
Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023

Geologist: PS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE				Well Construction	Remarks	
Depth	USCS	Description	Number	Type	Blows/6in	Recovery			PID (ppm)
0		Ground Surface							
1		Fill Hand dig to clear utilities 6" Topsoil 3.5' Fill consisting of dark brown sand	1	HD	NA	NA	0		
2									
3									
4		Silty Sand Tan silty sand, moist	2	MC	2,2,2,2	18	0		
5									
6									
7			3	SS	1,2,2,2	18	0		
8		Silty Clay Gray silty clay, wet	4	SS	H 1.5,2	18	0		
9									
10									
11			5	SS	H,2	21	0		
12									
13									
14									
15									
16									
17									
18									

Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 3/23/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

**Boring / Well ID: MW-35s**

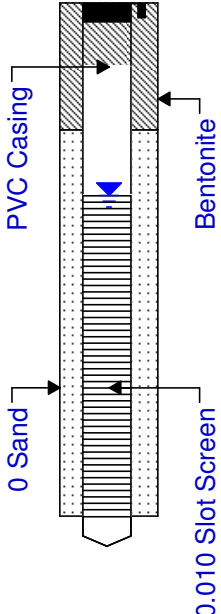
Client: NYSEG

Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023

Geologist: PS

SOIL BORING LOG
MWH Americas, Inc.
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Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE				Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	
0		Ground Surface						
1		Fill Hand dig to clear utilities 0-4 feet Fill containing sand and silt, some gravel and brick Saturated at 3 feet bgs	1	HD	NA	NA	0	
2								
3		Silty Sand Tan silty sand, some dark organic material at 4 to 6 feet, wet	2	SS	1,1,3,3	20"	0	
4								
5								
6								
7		Silty Clay Gray silty clay, wet	3	SS	H 2'	20"	0	
8								
9		End of Borehole						
10								
11								
12								
13								
14								
15								
16								
17								
18								

Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 3/24/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

**Boring / Well ID: MW-37s**

Client: NYSEG

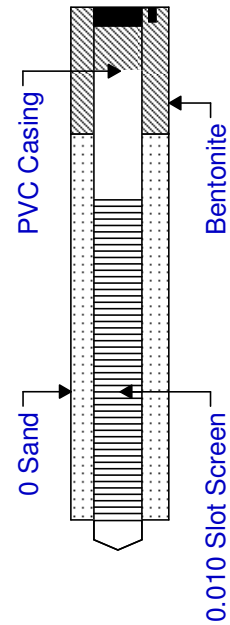
Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023

Geologist: PS

SOIL BORING LOG
MWH Americas, Inc.
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Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE				Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	
0		Ground Surface						
1		SEE HP-40 LOG FOR SUBSURFACE DESCRIPTION						
2								
3								
4								
5								
6								
7								
8		End of Borehole						
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								



Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 6/1/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer



Boring / Well ID: MW-38s

Client: NYSEG

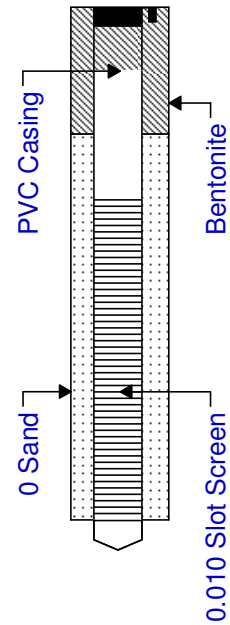
Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023

Geologist: PS

SOIL BORING LOG
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Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE				Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	
0		Ground Surface						
1		SEE HP-36 LOG FOR SUBSURFACE DESCRIPTION						
2								
3								
4								
5								
6								
7								
8		End of Borehole						
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								



Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 6/2/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer



Boring / Well ID: MW-41s

Client: NYSEG

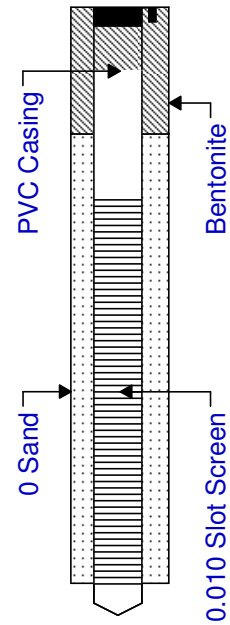
Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023

Geologist: PS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE				Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	
0		Ground Surface						
1		SEE HP-35 LOG FOR SUBSURFACE DESCRIPTION						
2								
3								
4								
5								
6								
7								
8								
9		End of Borehole						
10								
11								
12								
13								
14								
15								
16								
17								
18								



Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 6/2/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer



Boring / Well ID: MW-42s

Client: NYSEG

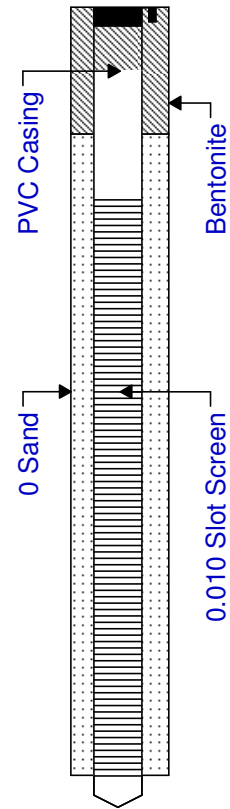
Project Name: Court Street Former MGP Site Location: Ithaca, NY

Project Number: 4260023

Geologist: PS

SOIL BORING LOG
MWH Americas, Inc.
10 Airline Drive Suite 200
Albany, NY 12205

SUBSURFACE PROFILE			SAMPLE				Well Construction	Remarks
Depth	USCS	Description	Number	Type	Blows/6in	Recovery	PID (ppm)	
0		Ground Surface						
1		SEE HP-38 LOG FOR SUBSURFACE DESCRIPTION						
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12		End of Borehole						
13								
14								
15								
16								
17								
18								



Contractor: ADT

Hole Size: 4.25-Auger

Drill Method: Hollow Stem Auger, Split Spoon

Drill Date: 6/3/04

Sheet: 1 of 1

Legend: MC-Macro Core, SS-split spoon, HD-Hand Dig, H-Weight of Hammer

Project Name: Ithaca Court Street OU-2

NYSEG/Project Number: NYSEG/60143516

Date Started/Date Completed: February 12, 2010

Boring Location: Intersection of N. Plain and Esty

Drilling Company: Aquifer Drilling and Testing

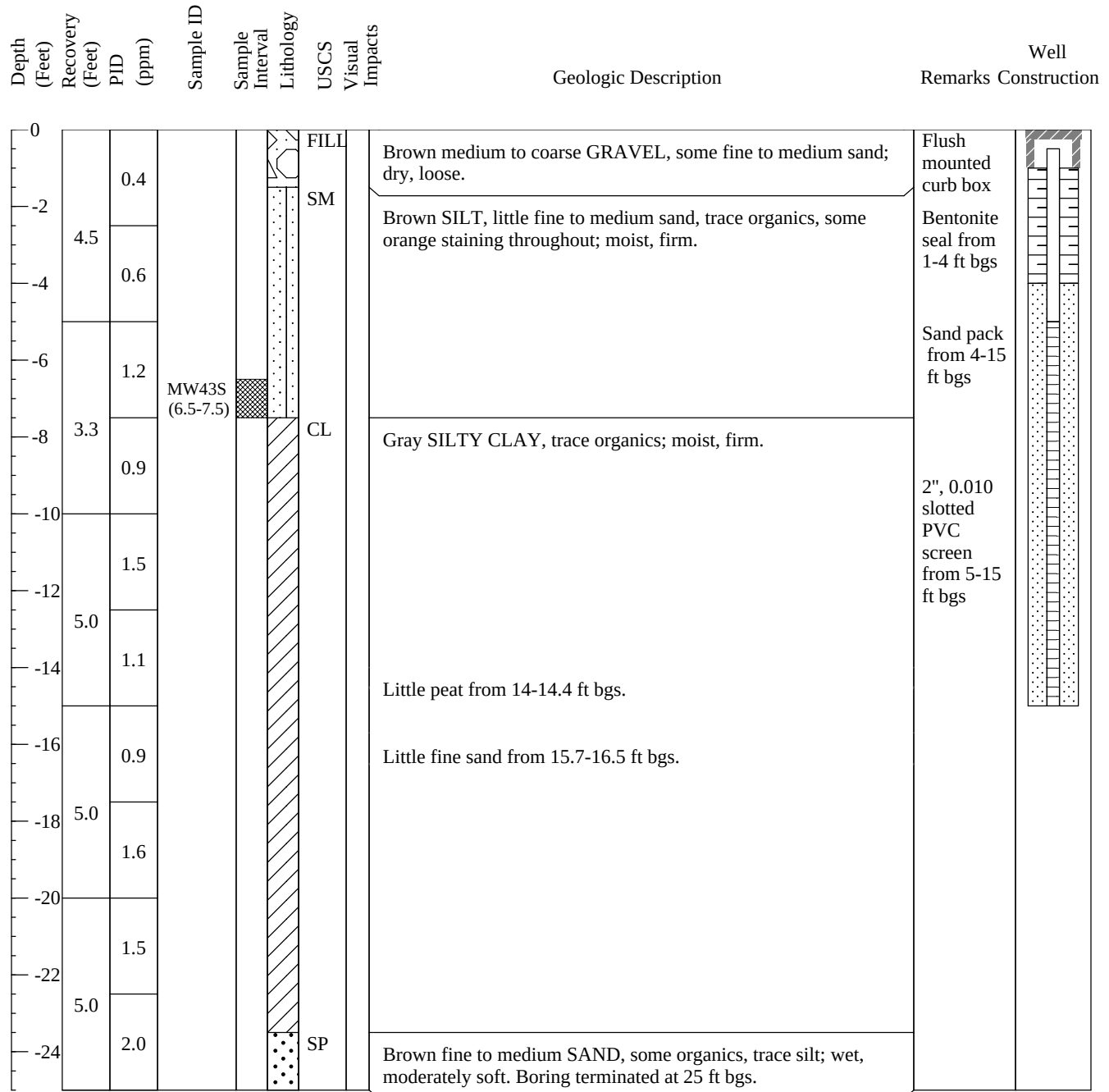
Sampling Method: 5 ft Sonic Core Barrel

PVC Elevation (ft/msl, NAVD 88): 391.53

Ground Elevation (ft/msl, NAVD 88): 391.94

Total Depth: 25.0 ft bgs

Logged By: K. Stahle/J.Lloyd



Coal Tar or Coal Tar NAPL Saturated Soil



Hydrocarbon Staining, Hydrocarbon Sheen or NAPL Blebs

Comments: Soil sample MW43S (6.5-7.5) was analyzed for VOCs, SVOCs, and Cyanide.

Attachment B - Well Decommissioning Record Template

New York State Department of Environmental Conservation
Division of Water, Bureau of Water Resources Management
625 Broadway, Albany, NY 12233-3508
518-402-8086

Water Well Abandonment and Decommissioning Report

The form below is for use in notifying DEC of a potable water well that is no longer active, servicable, or has been decommissioned. This can include wells that are still in place but no longer used or it can include wells that no longer exist. Please provide the following information so that DEC can update its records. For more information on this topic please see DEC's Water Well Decommissioning webpage. Hover your cursor over a box for information on how to fill out any particular field.

1. Facility Information

Facility Name		NYS DEC Water Withdrawal Permit Number, if applicable	
Address		Town	
County	Facility Contact Name	Telephone	

2. Well Information – Provide the following information for the well no longer in service

Well Name	Bedrock or Unconsolidated	Well Depth, ft	Max Rate in gpm	Year of installation	Last known year of active service

3. Location

- a. Site description
- b. Please attach a large scale map showing precise location
- c. If accurate coordinates are known, enter them here:
Latitude Longitude

4. Decommissioning Procedure Used

- | | | | |
|---|------------|-----------|-----------------|
| | <u>YES</u> | <u>NO</u> | Completion Date |
| a. The well has been formerly decommissioned as per NYS DEC Water Well Decommissioning Procedures (http://www.dec.ny.gov/lands/86955.html) | | | |
| If response to 4.a. was "yes", please move ahead to Section 6. | | | |
| b. The well has been decommissioned using a different method than DEC Water Well Decommissioning Procedures. | | | |
| If response to 4.b. was "yes", describe the procedure used and go to Section 6. | | | |

5. Existing but Inactive Well (skip this section if well has been decommissioned)

YES NO

- a. The well is no longer in use, remains in place and could be made operational
- b. The well is no longer in use, remains in place but is not serviceable
- c. The pump and associated piping/electrical has been removed
- d. Top of well has a locking cap with functioning lock
- e. Top of well is covered with a steel plate welded to the casing
- f. Top of well is open or is covered with a non-locking cover

6. NYS Registered Water Well Driller

NYRD No

7. Form submitted by

Date

Or fill out form, then print and mail to the address at top of form.