

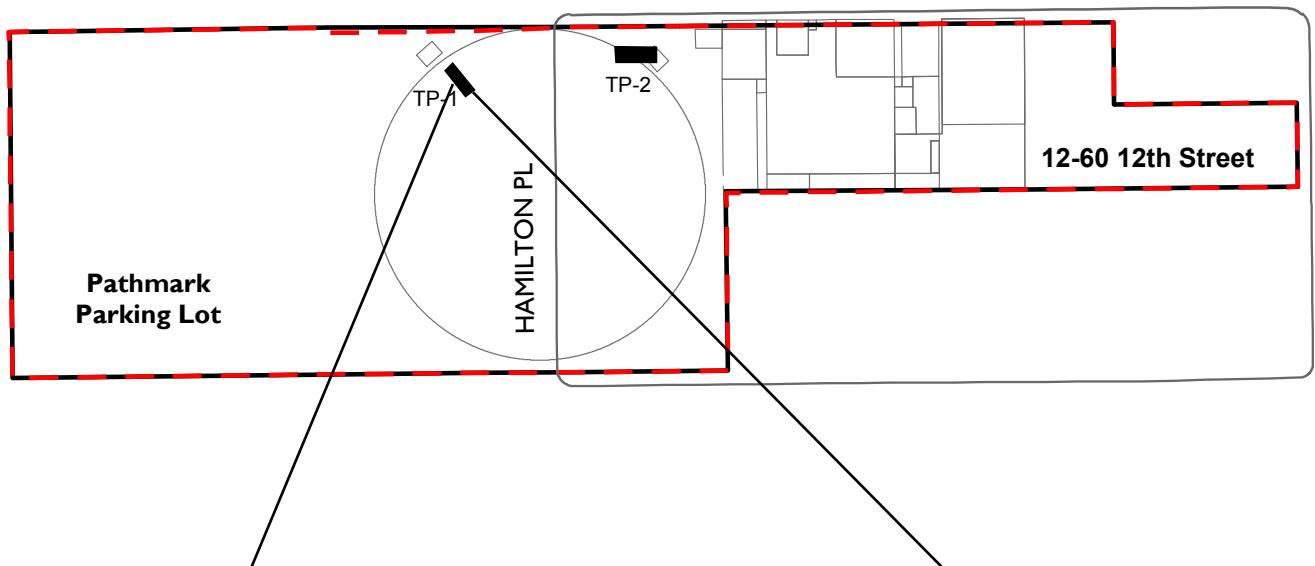
				<h1 style="text-align: center;">Test Pit Log</h1>		<b>TP-1</b>		
PROJECT NO: 60137361			TEST PIT DESIGNATION: TP-1			SURFACE ELEVATION: 8.81 (ft NAVD88)		
CLIENT: National Grid			SITE LOCATION OR AREA: North edge of #5 holder			START DATE: 5/19/2010		
SITE NAME: Metropolitan Former MGP Site			EQUIPMENT USED: Excavator			FINISH DATE: 5/19/2010		
GEOLOGIST: J. Pfeiffer			OPERATOR: PPM / Op-Tech			START TIME: 10:05		
DEPTH WATER ENCOUNTERED: 3.85 ft bgs			TOTAL DEPTH: 3.85 ft bgs			FINISH TIME: 13:30		
DEPTH (FEET)	VISUAL IMPACTS (FEET)	PID HEADSPACE (PPM)	SOIL STRATIG- RAPHY USCS	SOIL CLASS USCS	SOIL DESCRIPTION LOG	STRUCTURES ENCOUNTERED OR COMMENTS		
					FILL 0'- 0.6': ASPHALT			
1					0.6' - 2': FILL: Brown, sandy silt. 75% Brick pieces, concrete pieces, marble rubble, glass. Slab found at 2.3' bgs.	Collected sample TP-1 (1.5') 1.5' bgs assumed building slab adjacent to holder. Slab is located at the most Northern 4' length of the total 15' Test pit was extended 3' to the North to get around concrete slab.		
2					at 2' 2" CONDUIT 2.3' - 2.8': Concrete Slab			
3					3.8': Bottom of wood 3.85' Water table (possibly perched)	Collected sample TP-1 (3.8')		
4					End of Test Pit at 3.85 ft bgs			
<b>Definitions:</b>								
1.) NA - Not Applicable	4.) bgs - below ground surface			7.) NAVD 88 - North American Vertical Datum of 1988	<b>TP-1 was backfilled with material removed, with hot asphalt rolled on the surface to grade.</b>			
2.) ft - feet		5.) ppm - parts per million		8.) U.S.C.S. - Unified Soil Classification System				
3.) SAA - Same As Above	6.) PID - Photo Ionization Meter							

**AECOM**

# Test Pit Log

**TP-1**

PROJECT NO: 60137361	TEST PIT DESIGNATION: TP-1	SURFACE ELEVATION: 8.81 (ft NAVD88)
CLIENT: National Grid	SITE LOCATION OR AREA: North edge of #5 holder	START DATE: 5/19/2010
SITE NAME: Metropolitan Former MGP Site	EQUIPMENT USED: Excavator	FINISH DATE: 5/19/2010
GEOLOGIST: J. Pfeiffer	OPERATOR: PPM / Op-Tech	START TIME: 10:05
DEPTH WATER ENCOUNTERED: 3.85 ft bgs	TOTAL DEPTH: 3.85 ft bgs	FINISH TIME: 13:30





# Test Pit Log

TP-2

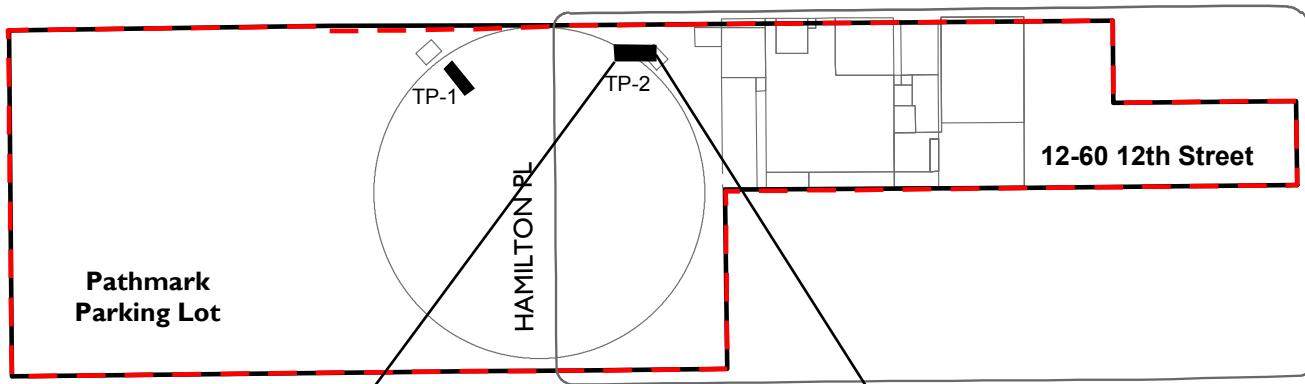
PROJECT NO: 60137361				TEST PIT DESIGNATION: TP-2	SURFACE ELEVATION: 8.74 (ft NAVD88)
CLIENT: National Grid		SITE LOCATION OR AREA: Eastern edge of #5 holder		START DATE: 5/20/10	
SITE NAME: Metropolitan Former MGP Site		EQUIPMENT USED: Excavator		FINISH DATE: 5/20/10	
GEOLOGIST: S. Pandya / J. Pfeiffer		OPERATOR: PPM / Op-Tech		START TIME: 11:14	
DEPTH WATER ENCOUNTERED: 9.0 ft bgs		TOTAL DEPTH: 6.5 ft bgs		FINISH TIME: 13:30	
DEPTH (FEET)	VISUAL IMPACTS (FEET)	PID HEADSPACE (PPM)	SOIL STRATIG- RAPHY USCS	SOIL DESCRIPTION LOG	STRUCTURES ENCOUNTERED OR COMMENTS
				FILL 0' - 6.5': FILL: gravel, sand, and loose bricks. Two wood piles approximately 4.5' long and 12" in diameter.  1' - 2.5': Fuel oil-like smell.  2': pipe; 2" diameter steel pipe in a north to south direction.  2.5' - 6.5': MGP like odor. 2.7': Concrete pad in North - South direction. Lots of sand and bricks overlapping concrete pad.  4.5': Standing water with an oil-like material approximately 2 cm thick on top, moderately viscous.	Gravel, sand, and loose brick FILL continues from top to bottom of test pit.  TP-2 sample (4' - 4.5')  Probable perched water entered test pit on removal of wood ties.
1					
2					
3					
4					
5					
6					
7					
End of Test Pit at 6.5 ft bgs					
<b>Definitions:</b>					
1.) NA - Not Applicable	4.) bgs - below ground surface	7.) PID - Photo Ionization Meter	TP-2 was backfilled below the water table with 3/8" stone. The material removed was replaced just below the surface. The extra material was placed in a roll-off for disposal. Hot asphalt rolled on the surface to grade.		
2.) ft - feet	5.) ppm - parts per million	8.) U.S.C.S. - Unified Soil Classification System			
3.) SAA - Same As Above	6.) NAVD 88 - North American Vertical Datum of 1988				

**AECOM**

# Test Pit Log

**TP-2**

PROJECT NO: 60137361	TEST PIT DESIGNATION: TP-2	SURFACE ELEVATION: 8.74 (ft NAVD88)
CLIENT: National Grid	SITE LOCATION OR AREA: Eastern edge of #5 holder	START DATE: 5/20/10
SITE NAME: Metropolitan Former MGP Site	EQUIPMENT USED: Excavator	FINISH DATE: 5/20/10
GEOLOGIST: S. Pandya	OPERATOR: PPM / Op-Tech	START TIME: 11:14
DEPTH WATER ENCOUNTERED: 9.0 ft bgs	TOTAL DEPTH: 6.5 ft bgs	FINISH TIME: 13:30





NOTES:

1. USE ONLY THE COLOR KEYS FOR THE CONDITIONS THAT ARE ENCOUNTERED AT A GIVEN SITE. IF CONDITIONS DESCRIBED ABOVE DO NOT EXIST, DO NOT USE IN LEGEND.
2. THE COLOR DESCRIPTORS ABOVE ARE TO BE USED IN CONJUNCTION WITH THE "ENVIRONMENTAL TERMINOLOGY FOR SOIL DESCRIPTIONS" BY M. PASTER OF GEI CONSULTANTS, INC.

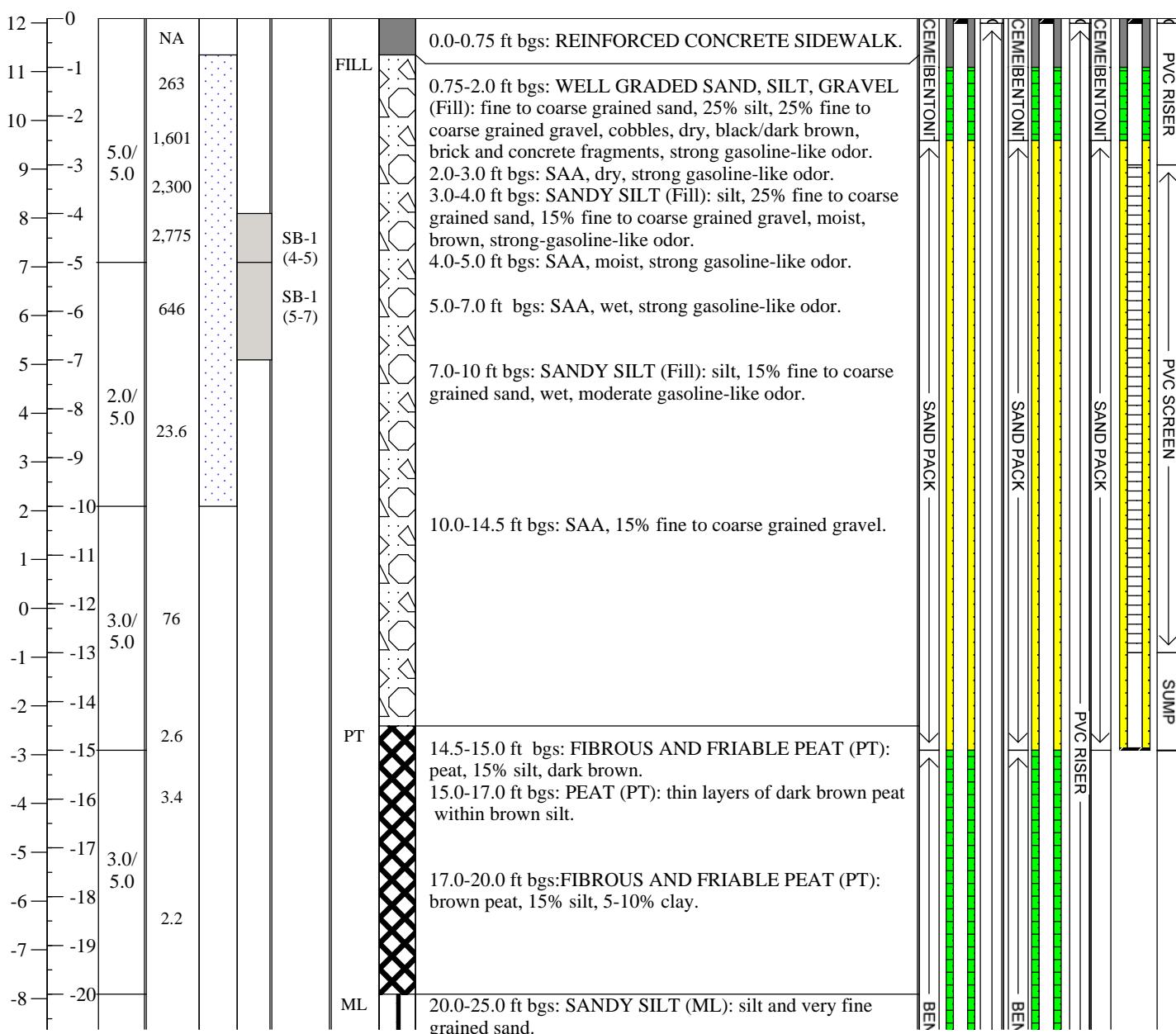
NATIONAL GRID IMPACT COLORS	COLORS FOR NATIONAL GRID IMPACTS
<b>nationalgrid</b>	February 2011



**Boring ID:** SB-1 / MW-1

Page 1 of 4

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~5 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 72 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5 ft disposable plastic liner	<b>Ground Elevation:</b> 12.09'(I/D)11.99'(S)NAVD88
<b>Date Pre-Cleared:</b> 4-5-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> Yes
<b>Date Started/Completed:</b> 4-6-2010/4-8-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> MW-1D/ MW-1I/ MW-1S



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### Notes:

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
  - 2) Boring was converted into Monitoring Well: MW-1D/1/1S
  - 3) Riser Pipe: PVC sch. 40, 2" diameter
  - 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
  - 5) Sand pack #0
  - 6) Meadow Mat Observed
  - 7) Impacts include visual and olfactory

### **Definitions:**

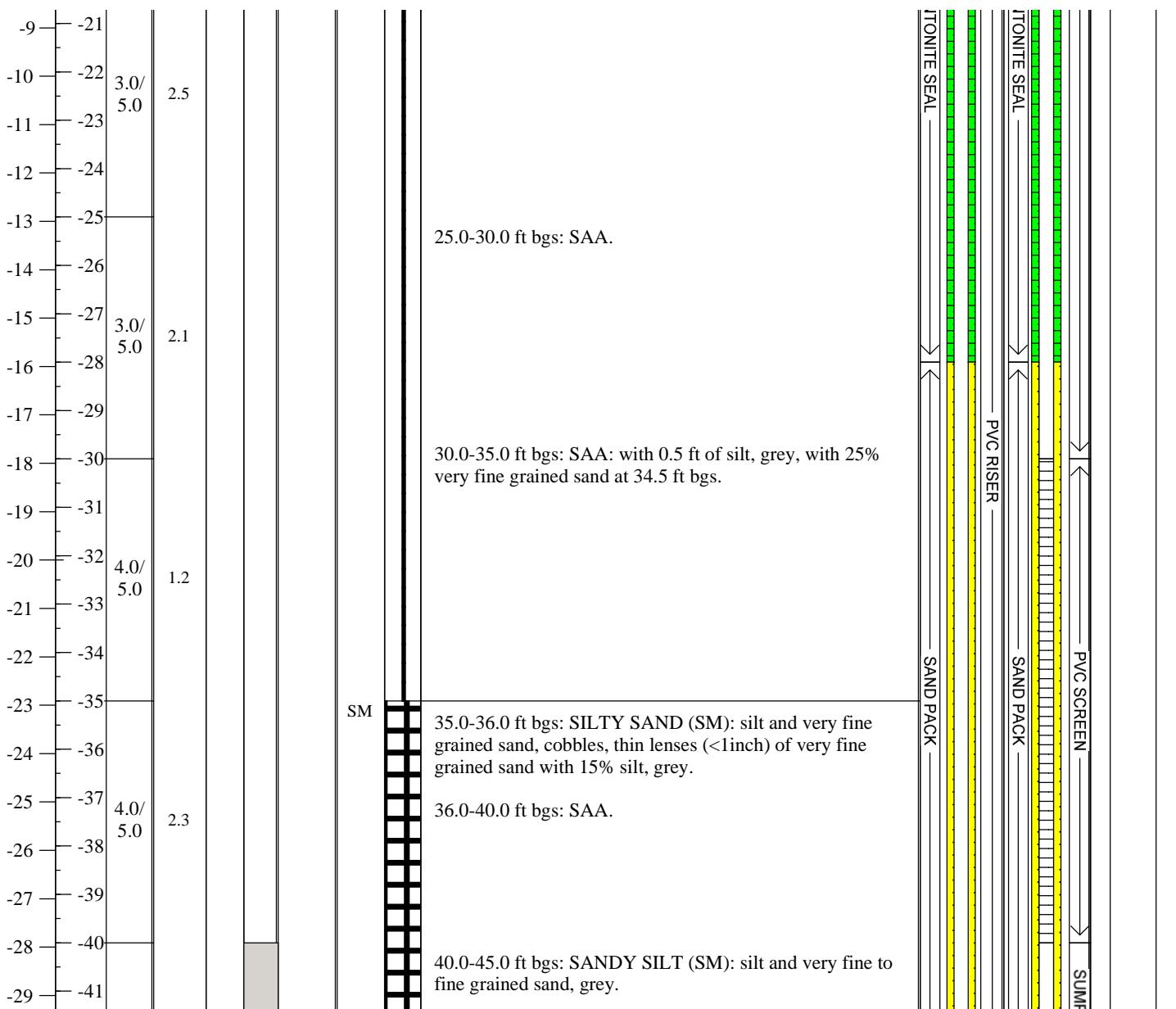
- Definitions:**

  - 1) NA - Not Applicable
  - 2) ft - feet
  - 3) bgs - below ground surface
  - 4) U.S.C.S.- Unified Soil Classification System
  - 5) NAVD 88 - North American Vertical Datum of 1988

- 6) SAA - Same As Above
  - 7) PID - Photo Ionization Detector
  - 8) ppm - parts per million
  - 9) NAPL - Non-Aqueous Phase Liquid
  - 10) NR- no recovery

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~5 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 72 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5 ft disposable plastic liner	<b>Ground Elevation:</b> 12.09'(I/D)11.99'(S)NAVD88
<b>Date Pre-Cleared:</b> 4-5-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> Yes
<b>Date Started/Completed:</b> 4-6-2010/4-8-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> MW-1D/ MW-1I/ MW-1S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
										MW-1D MW-1I MW-1S


**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) Boring was converted into Monitoring Well: MW-1D/1I/1S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

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- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

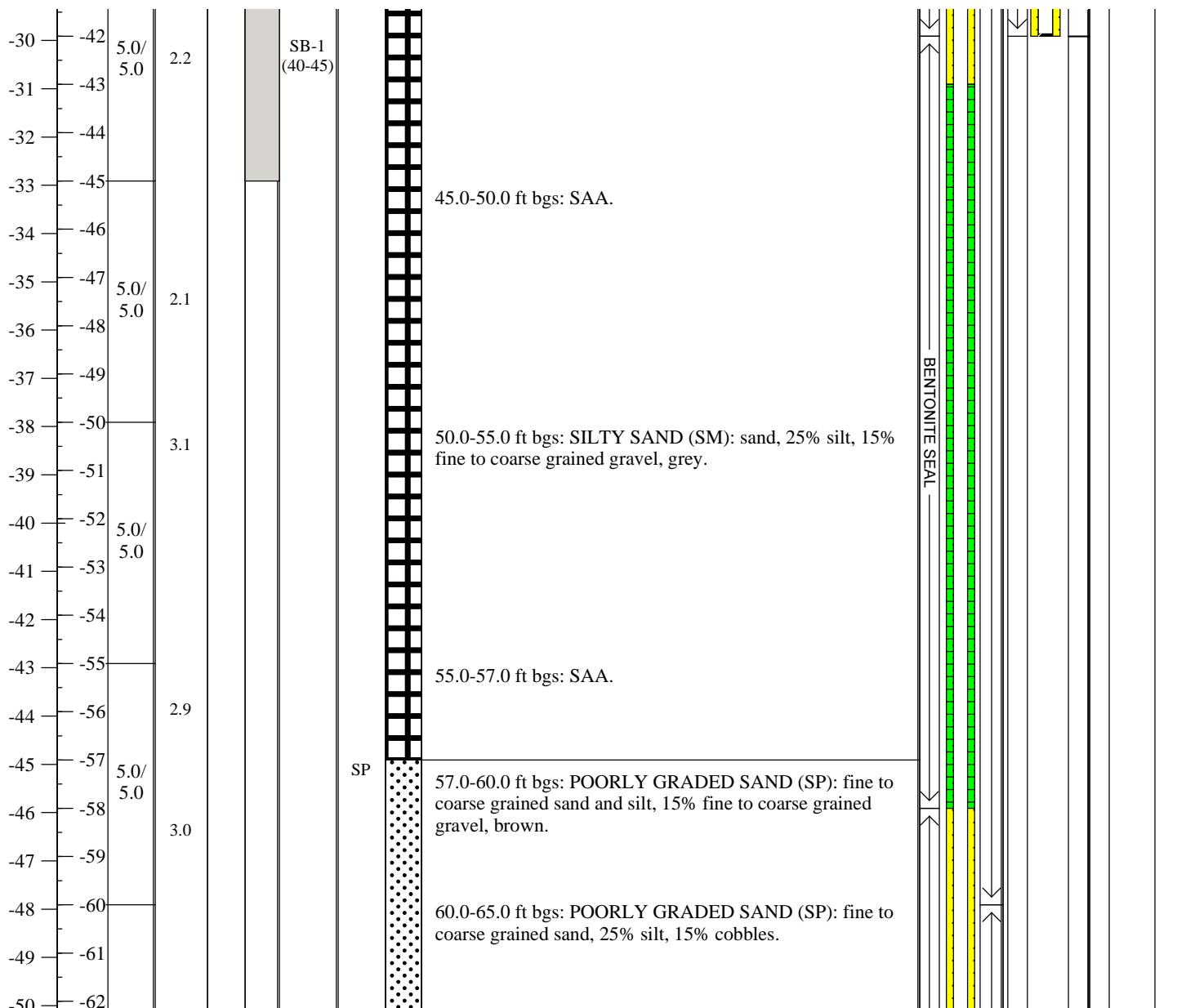
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- 9) NAPL - Non-Aqueous Phase Liquid
- 10) NR- no recovery

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-5-2010  
**Date Started/Completed:** 4-6-2010/4-8-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5 ft disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~5 ft bgs  
**Total Depth:** 72 ft bgs  
**Ground Elevation:** 12.09'(I/D)11.99'(S)NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-1D/ MW-1I/ MW-1S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-1D MW-1I MW-1S


**Notes:**

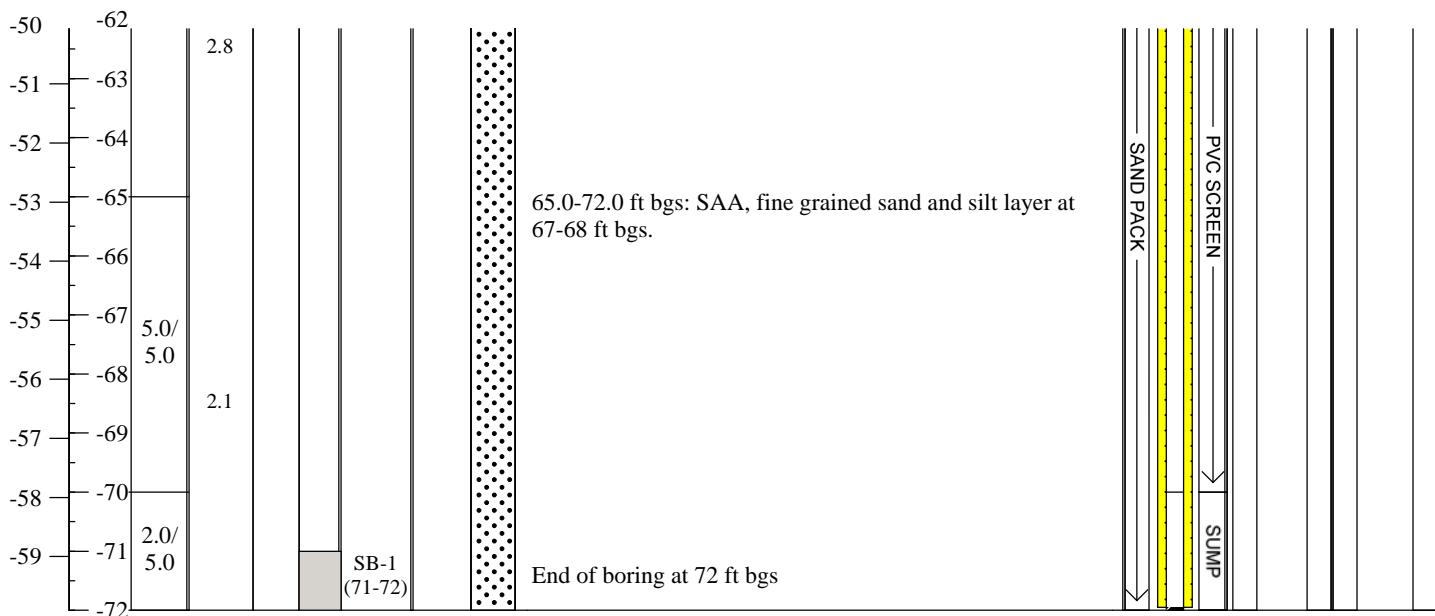
- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) Boring was converted into Monitoring Well: MW-1D/1I/1S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
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- 7) Impacts include visual and olfactory

**Definitions:**

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<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 72 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5 ft disposable plastic liner	<b>Ground Elevation:</b> 12.09'(L/D)11.99'(S)NAVD88
<b>Date Pre-Cleared:</b> 4-5-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> Yes
<b>Date Started/Completed:</b> 4-6-2010/4-8-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> MW-1D/ MW-1I/ MW-1S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description			Well Construction
									MW-1D	MW-1I	MW-1S	


**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
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- 3) Riser Pipe: PVC sch. 40, 2" diameter
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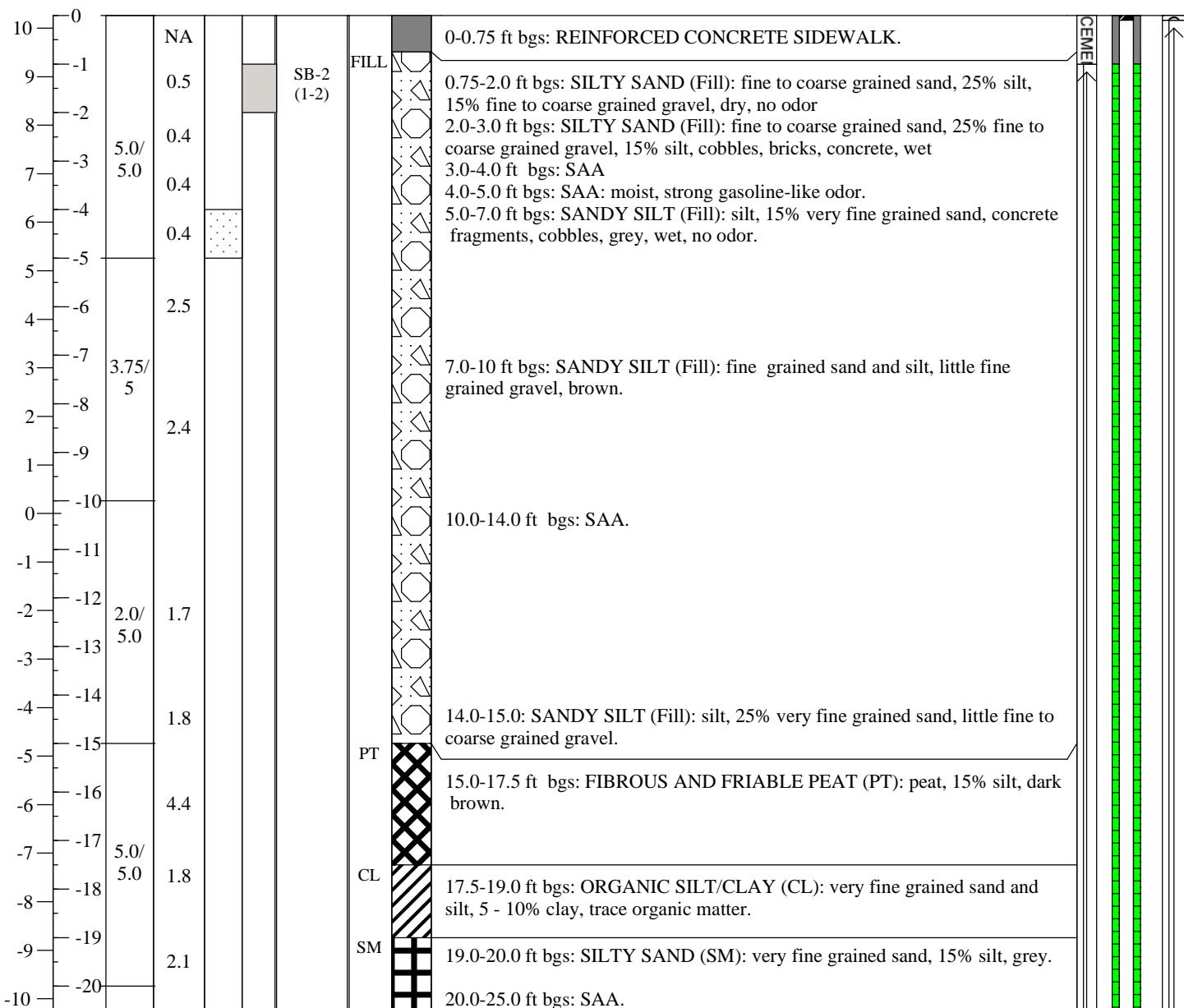
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- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 10) NR - no recovery

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 4-2-2010  
**Date Started/Completed:** 4-8-2010/4-9-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~2 ft bgs  
**Total Depth:** 72 ft bgs  
**Ground Elevation:** 10.26' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-2D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-2D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

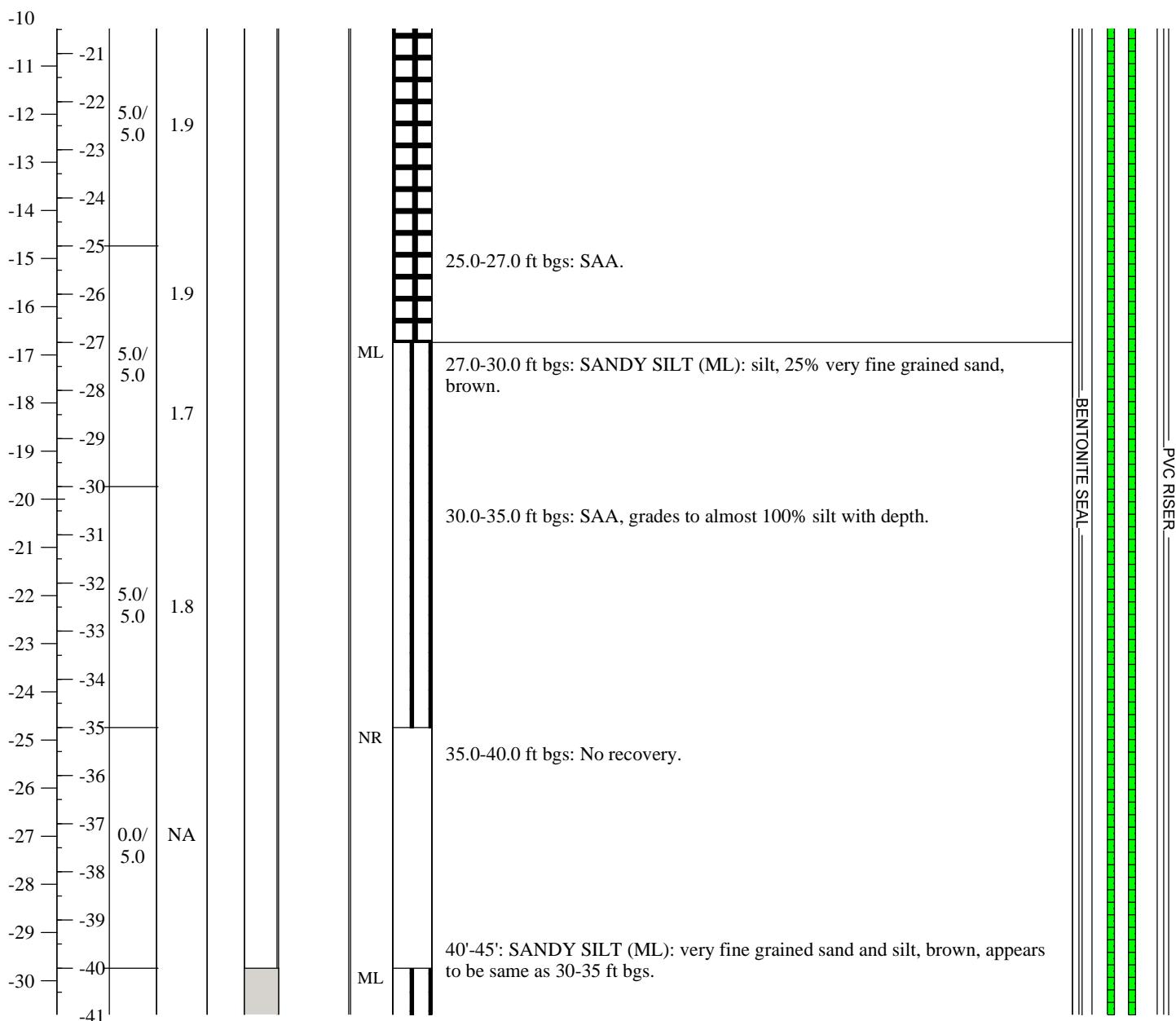
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- 8) ppm - parts per million
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**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 4-2-2010  
**Date Started/Completed:** 4-8-2010/4-9-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~2 ft bgs  
**Total Depth:** 72 ft bgs  
**Ground Elevation:** 10.26' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-2D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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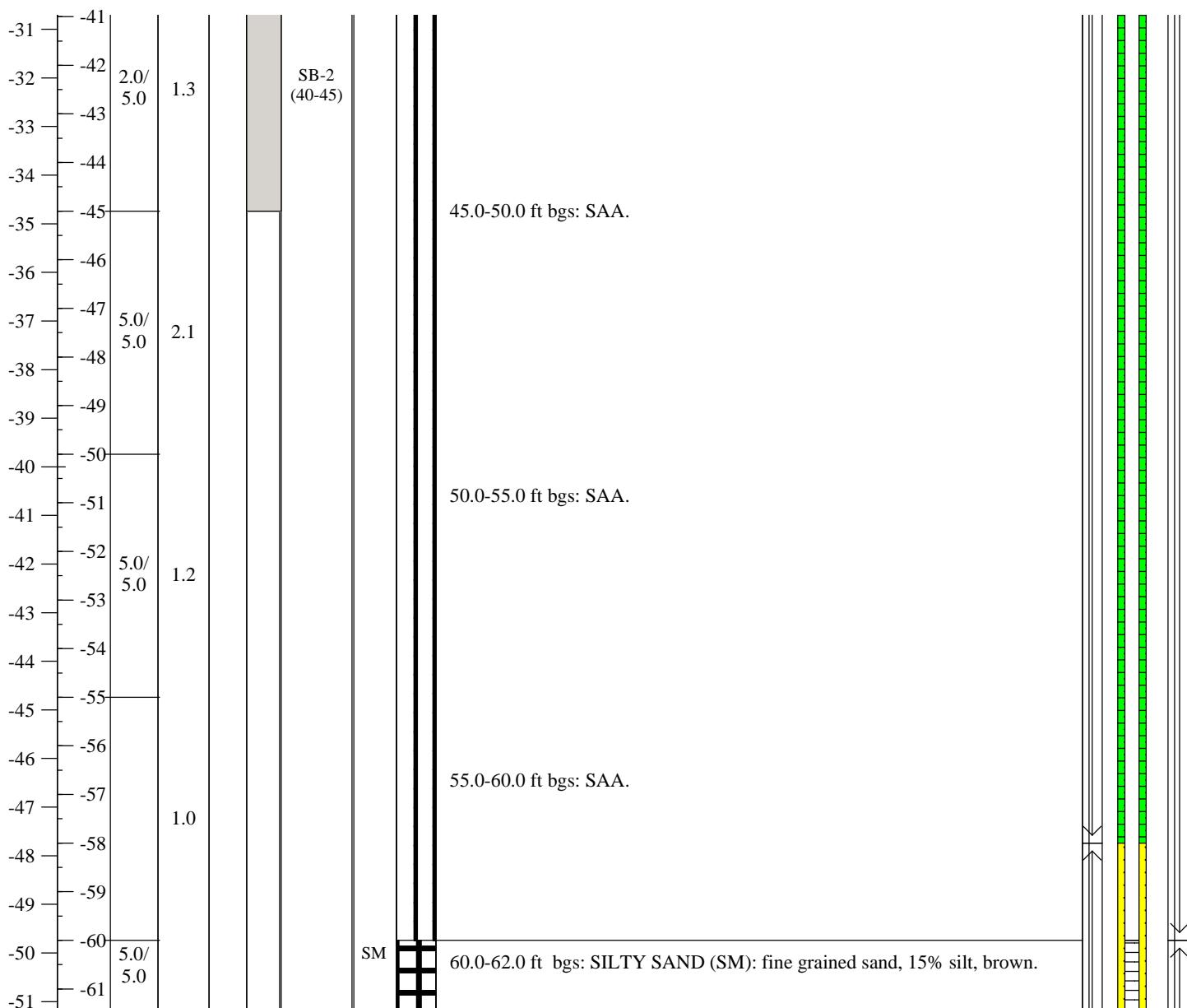
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**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~2 ft bgs  
**Total Depth:** 72 ft bgs  
**Ground Elevation:** 10.26' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-2D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
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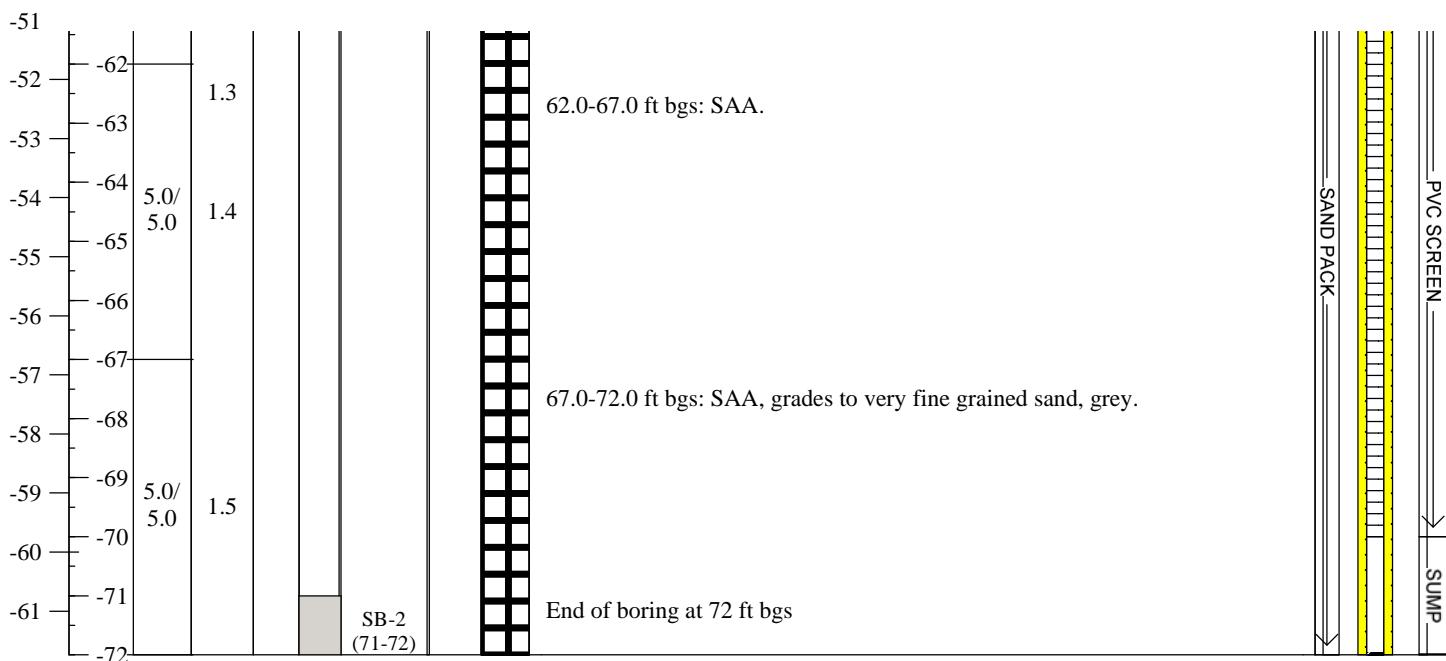
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**Date Pre-Cleared:** 4-2-2010  
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**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~2 ft bgs  
**Total Depth:** 72 ft bgs  
**Ground Elevation:** 10.26' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-2D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-2D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

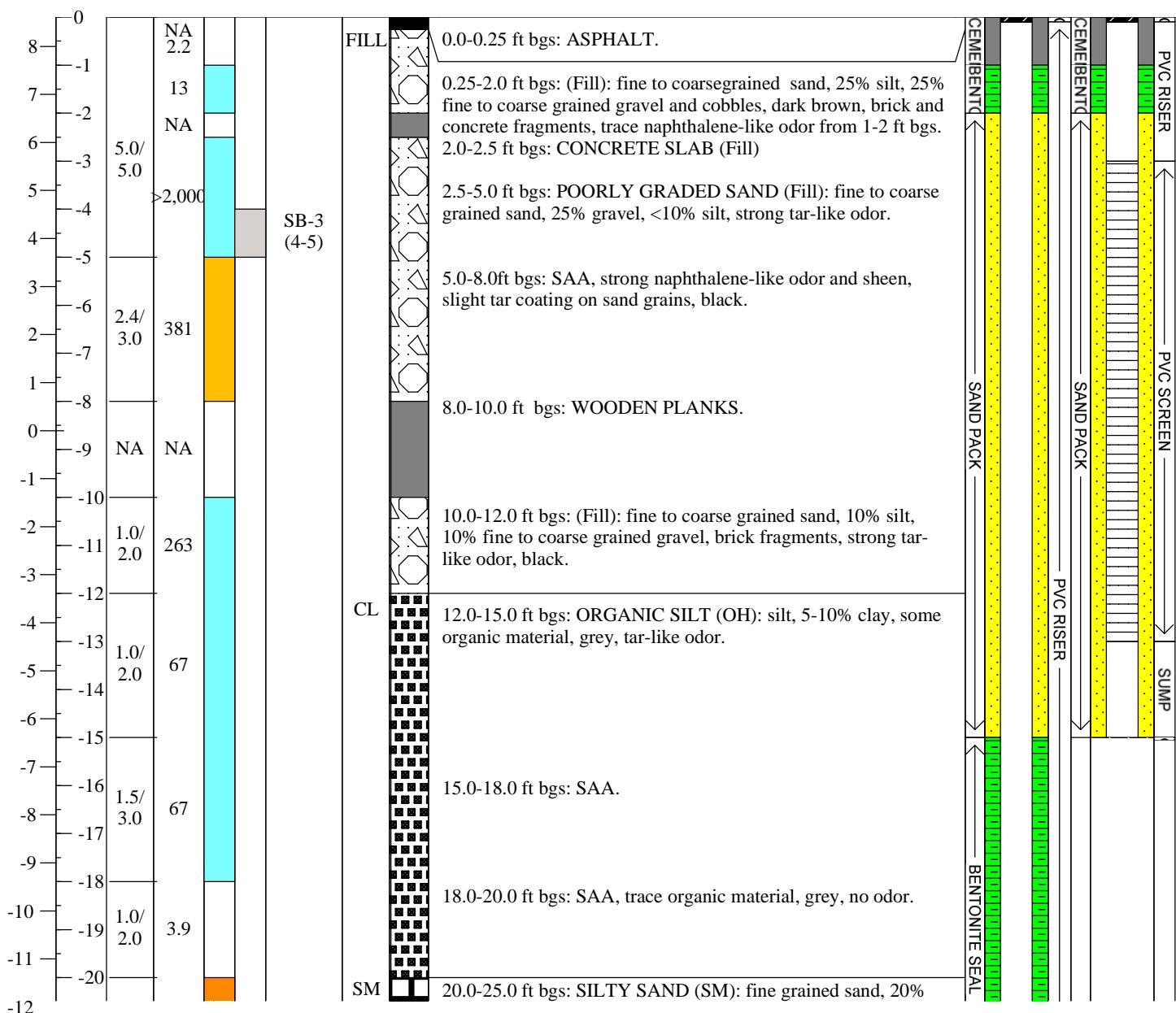
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 4-13-2010  
**Date Started/Completed:** 4-13-2010/4-13-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~4 ft bgs  
**Total Depth:** 60 ft bgs  
**Ground Elevation:** 8.61' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-3I / MW-3S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-3I MW-3S


**Notes:**

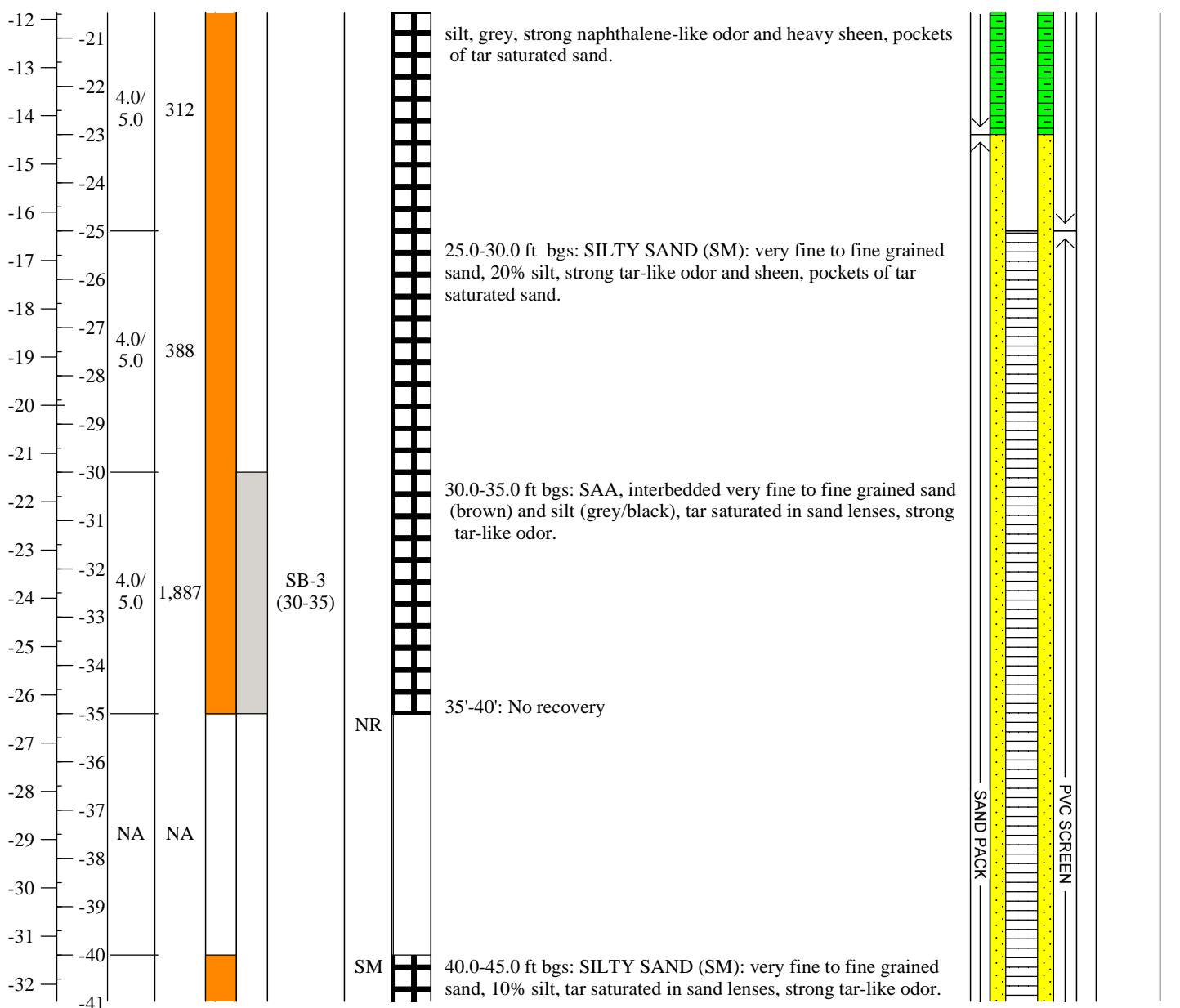
- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-3I/3S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~4 ft bgs
<b>Project Number:</b> 60137361	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 60 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 8.61' NAVD88
<b>Date Pre-Cleared:</b> 4-13-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> Yes
<b>Date Started/Completed:</b> 4-13-2010/4-13-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> MW-3I / MW-3S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-3I MW-3S


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-3I/3S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

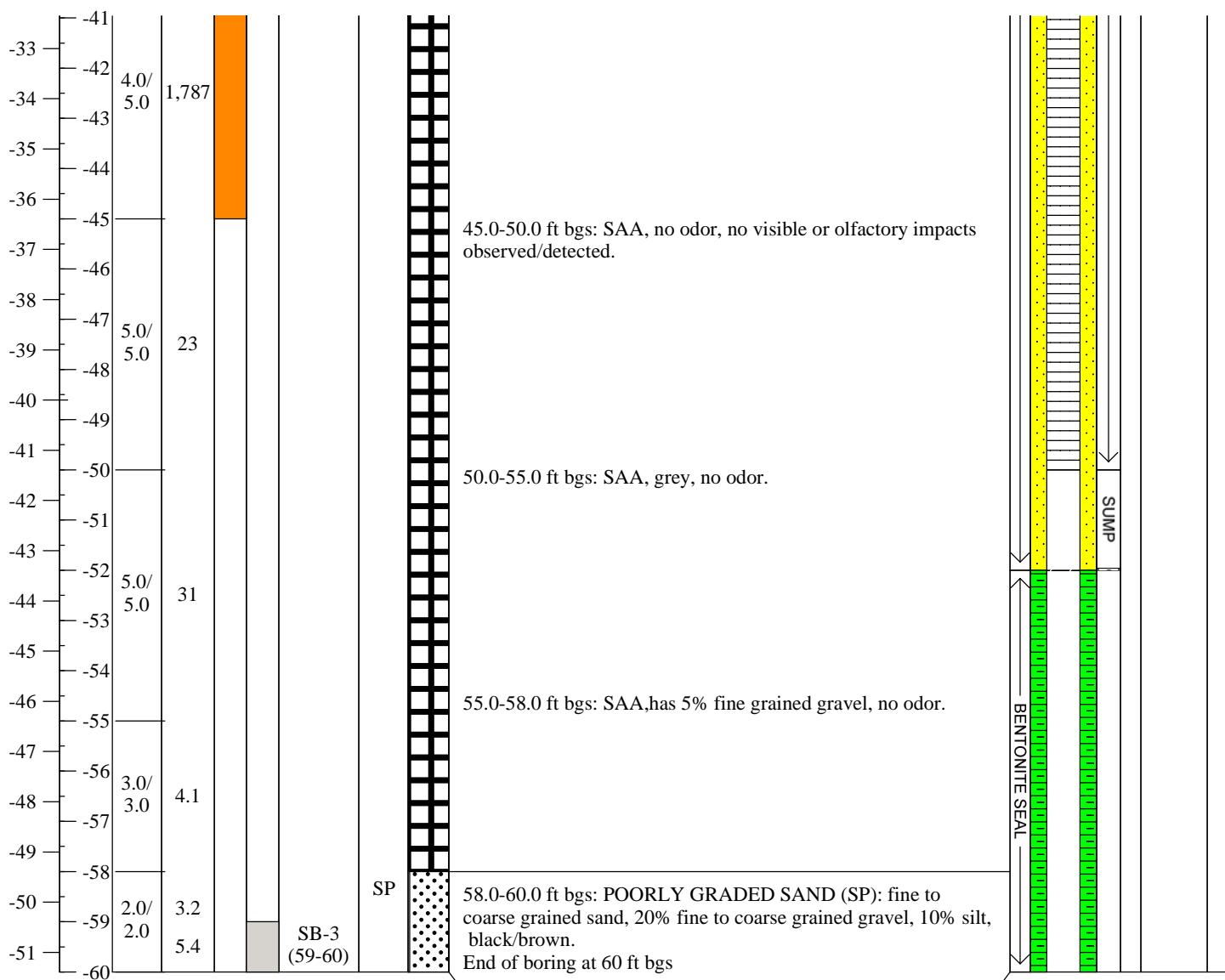
- 1) NA - Not Applicable
- 2) ft - feet
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- 4) U.S.C.S.- Unified Soil Classification System
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- 6) SAA - Same As Above
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**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 4-13-2010  
**Date Started/Completed:** 4-13-2010/4-13-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~4 ft bgs  
**Total Depth:** 60 ft bgs  
**Ground Elevation:** 8.61' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-3I / MW-3S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
										MW-3I MW-3S


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-3I/3S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.: Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

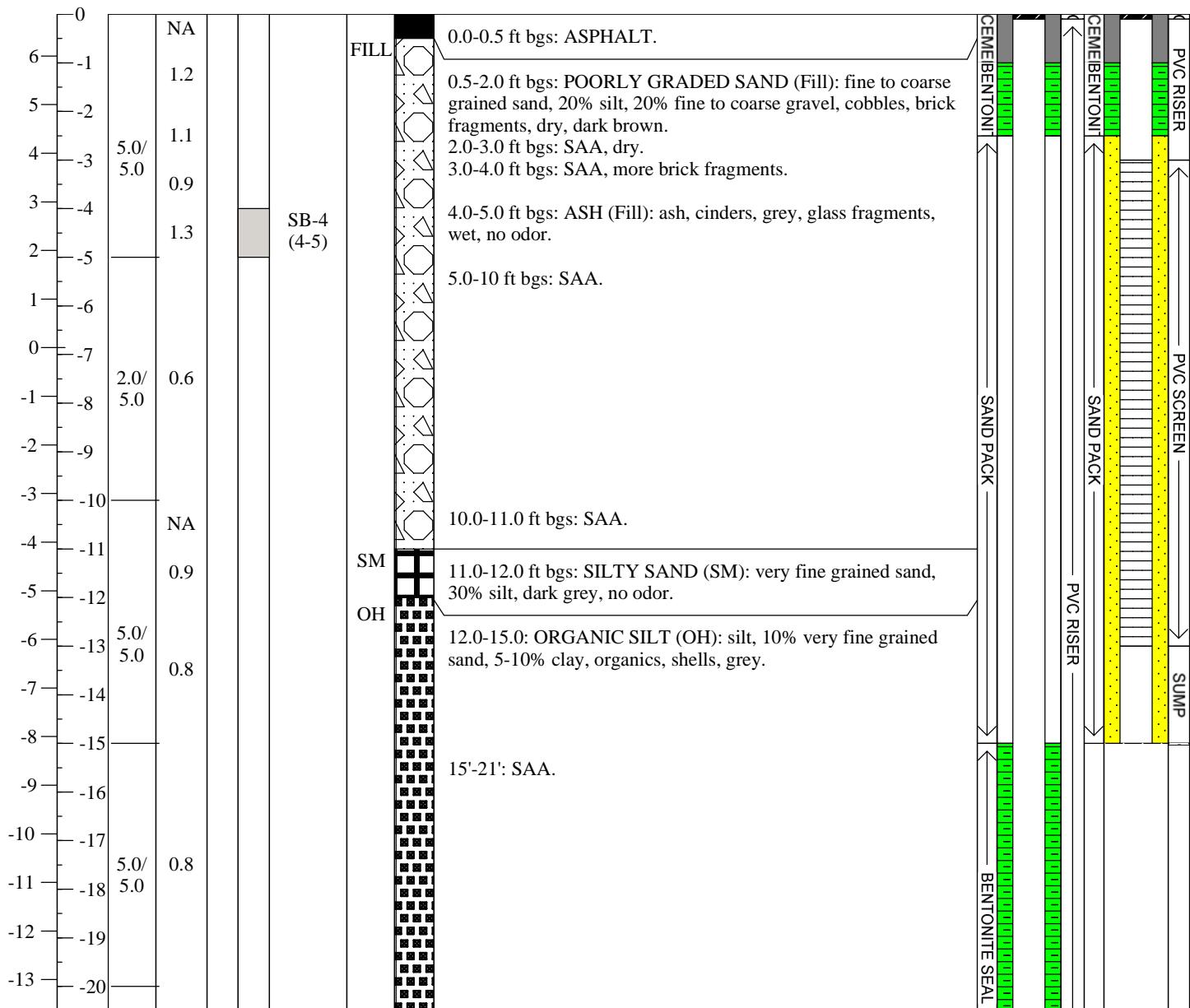
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 4-27-2010  
**Date Started/Completed:** 4-27-2010/4-27-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~5 ft bgs  
**Total Depth:** 60 ft bgs  
**Ground Elevation:** 6.86' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-4I/MW-4S

Elevation (ft)	Depth (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description			Well Construction
											MW-4I MW-4S


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4I/4S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

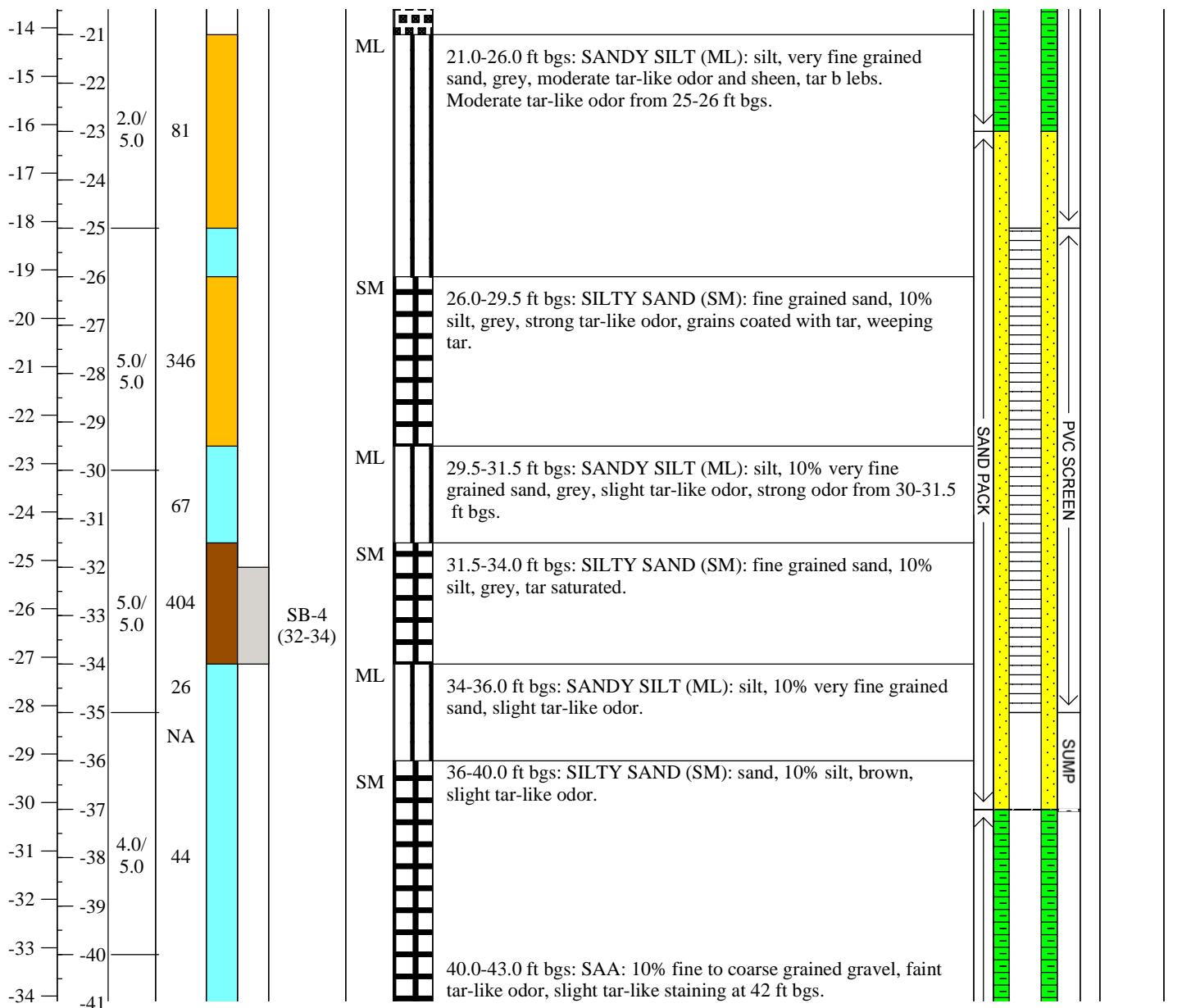
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 4-27-2010  
**Date Started/Completed:** 4-27-2010/4-27-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~5 ft bgs  
**Total Depth:** 60 ft bgs  
**Ground Elevation:** 6.86' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-4I/MW-4S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description		Well Construction
											MW-4I MW-4S

**Notes:**

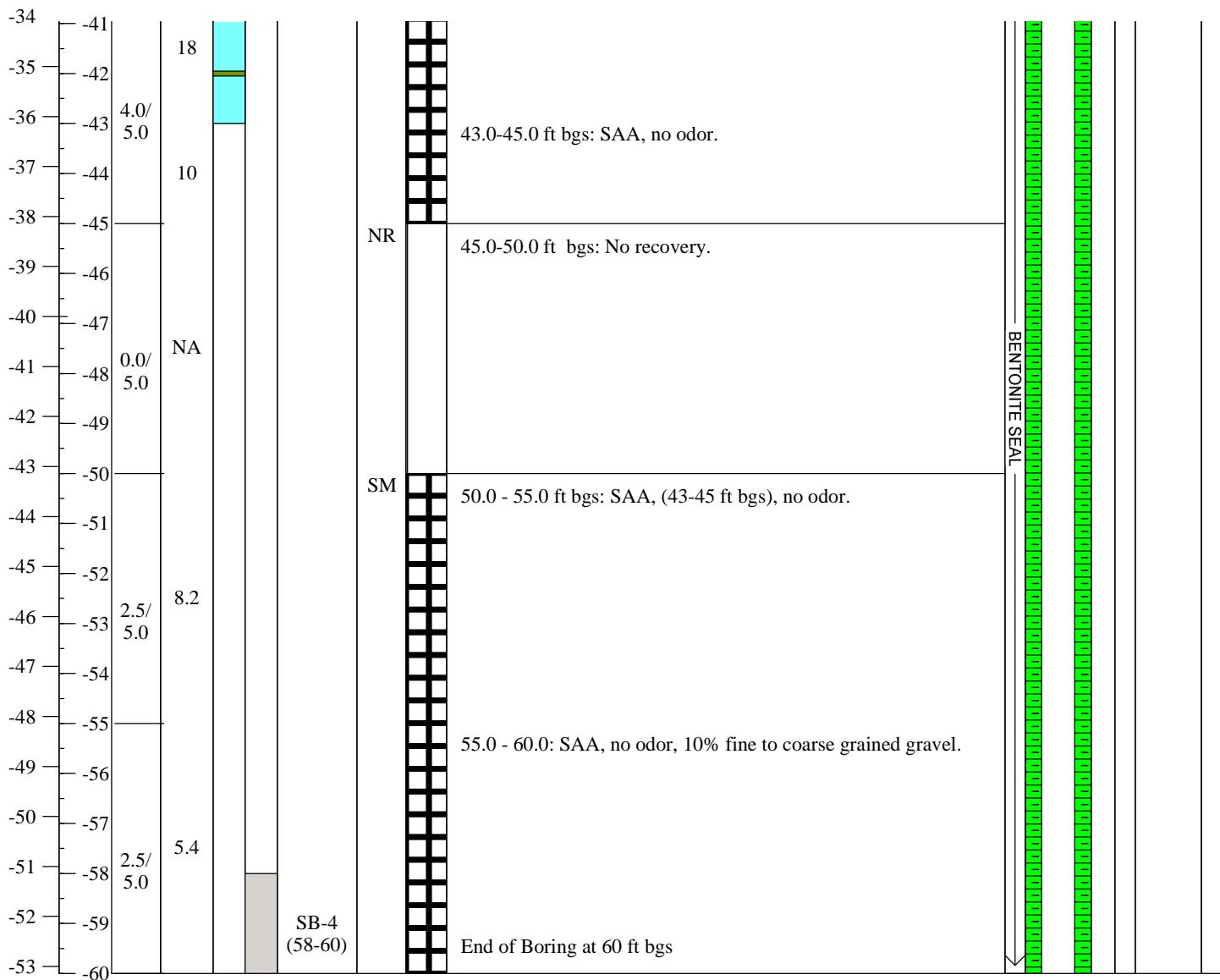
- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4I/4S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~5 ft bgs
<b>Project Number:</b> 60137361	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 60 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 6.86' NAVD88
<b>Date Pre-Cleared:</b> 4-27-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> Yes
<b>Date Started/Completed:</b> 4-27-2010/4-27-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> MW-4I/MW-4S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-4I MW-4S

**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4I/4S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

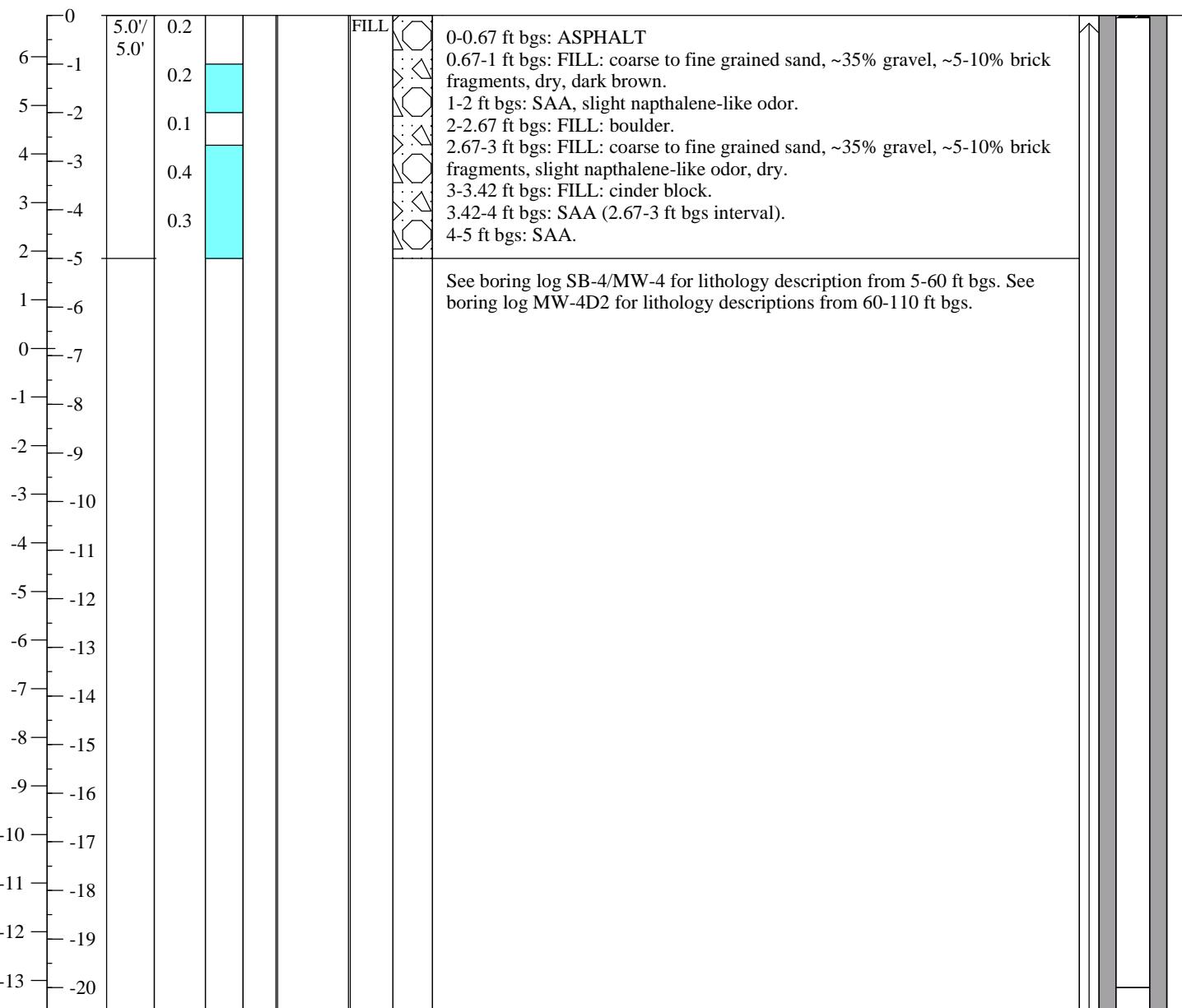
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.: Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** Apr. 25, 2011  
**Date Started/Completed:** 4/25/2011-4/28/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 6 Inches  
**Logged By:** Rita Papagian

**Water Level:** See MW-4  
**Total Depth:** 120 ft bgs  
**Ground Elevation:** 6.85 ft NAVD88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-4D1

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4D1
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid



# Boring ID: MW-4D1

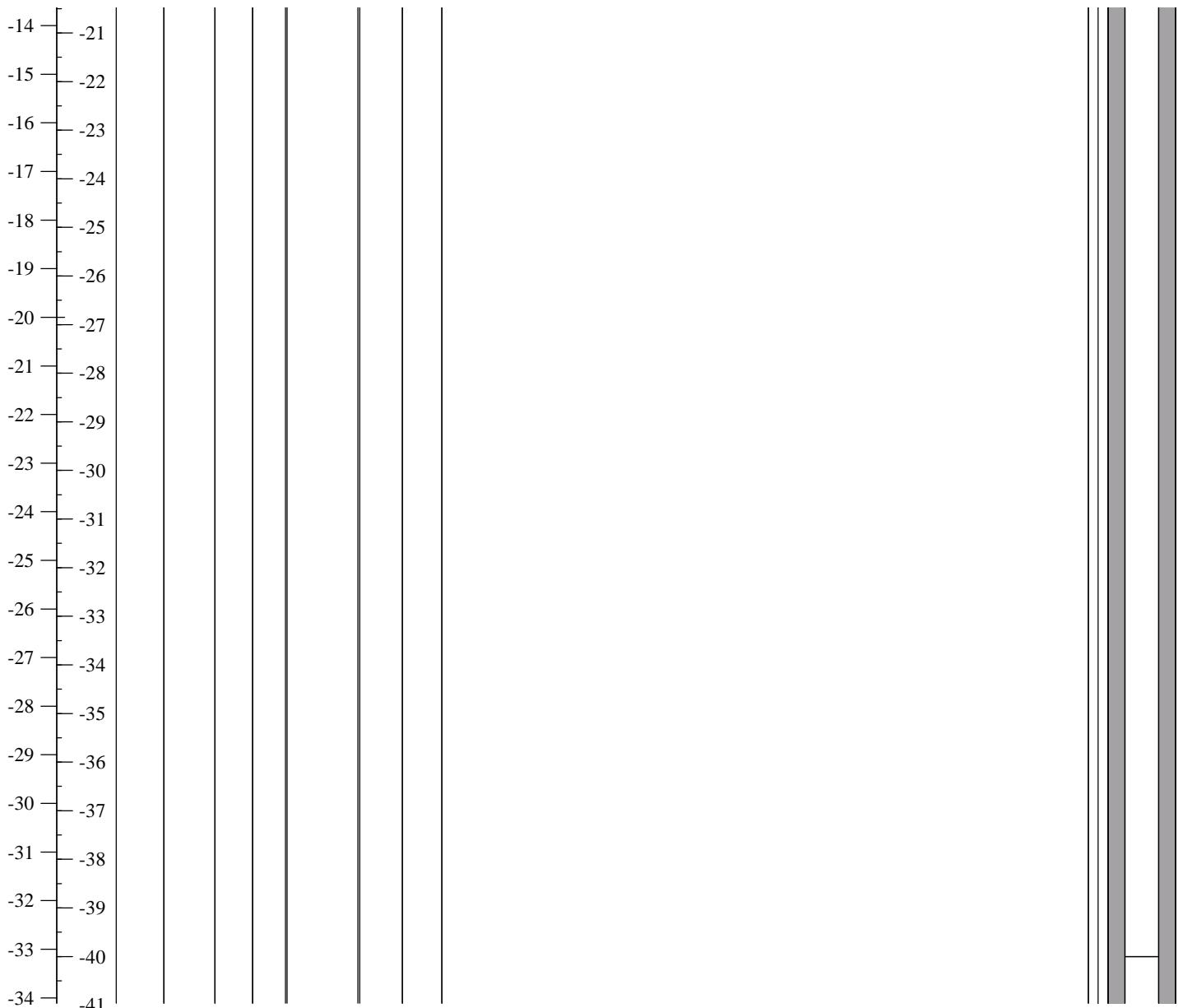
Page 2 of 6

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** Apr. 25, 2011  
**Date Started/Completed:** 4/25/2011-4/28/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 6 Inches  
**Logged By:** Rita Papagian

**Water Level:** See MW-4  
**Total Depth:** 120 ft bgs  
**Ground Elevation:** 6.85 ft NAVD88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-4D1

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
-14	-21									



## Notes:

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4D1
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

## Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid



# Boring ID: MW-4D1

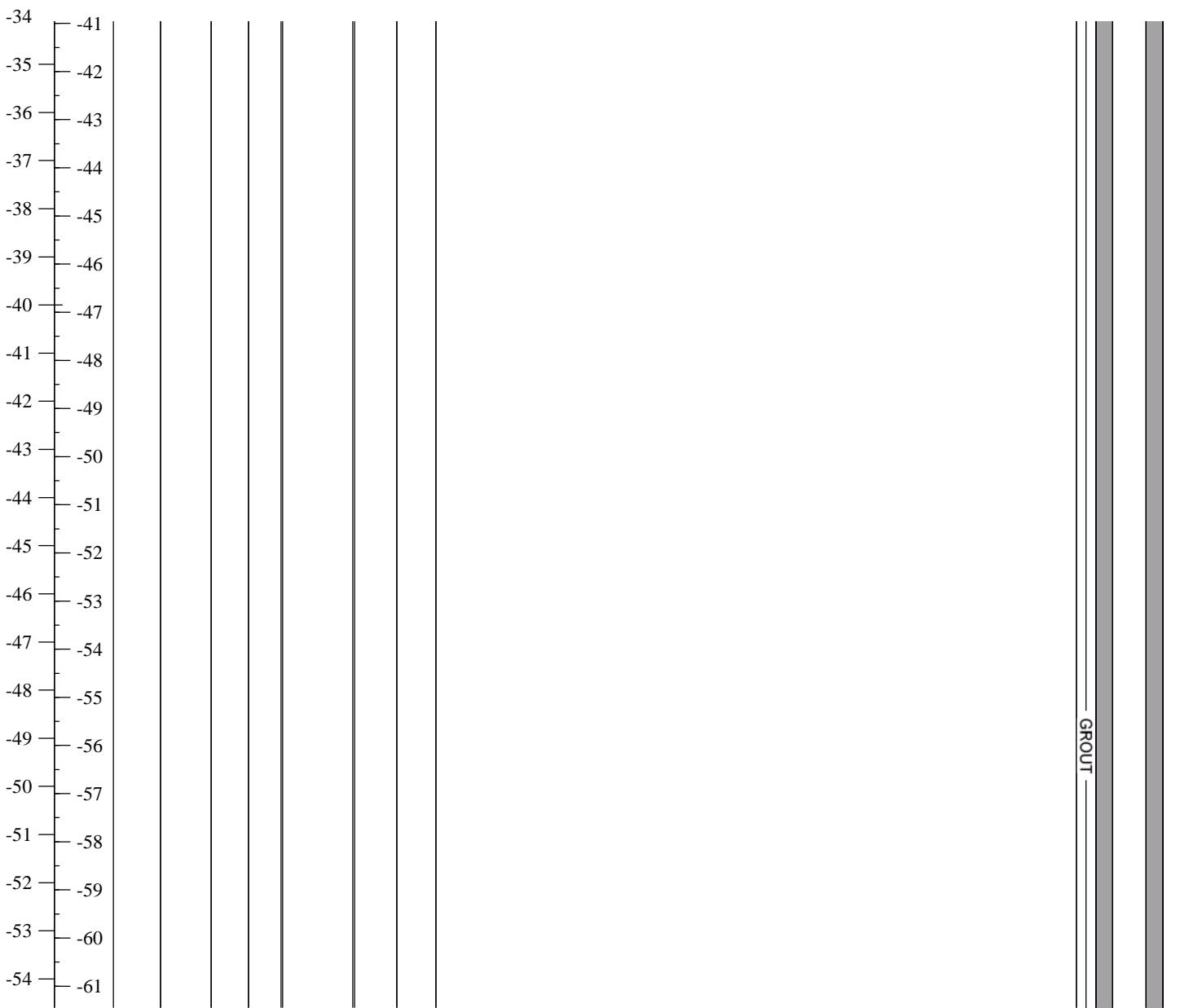
Page 3 of 6

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** Apr. 25, 2011  
**Date Started/Completed:** 4/25/2011-4/28/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 6 Inches  
**Logged By:** Rita Papagian

**Water Level:** See MW-4  
**Total Depth:** 120 ft bgs  
**Ground Elevation:** 6.85 ft NAVD88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-4D1

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
-34	-41									
-35	-42									
-36	-43									
-37	-44									
-38	-45									
-39	-46									
-40	-47									
-41	-48									
-42	-49									
-43	-50									
-44	-51									
-45	-52									
-46	-53									
-47	-54									
-48	-55									
-49	-56									
-50	-57									
-51	-58									
-52	-59									
-53	-60									
-54	-61									

**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4D1
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

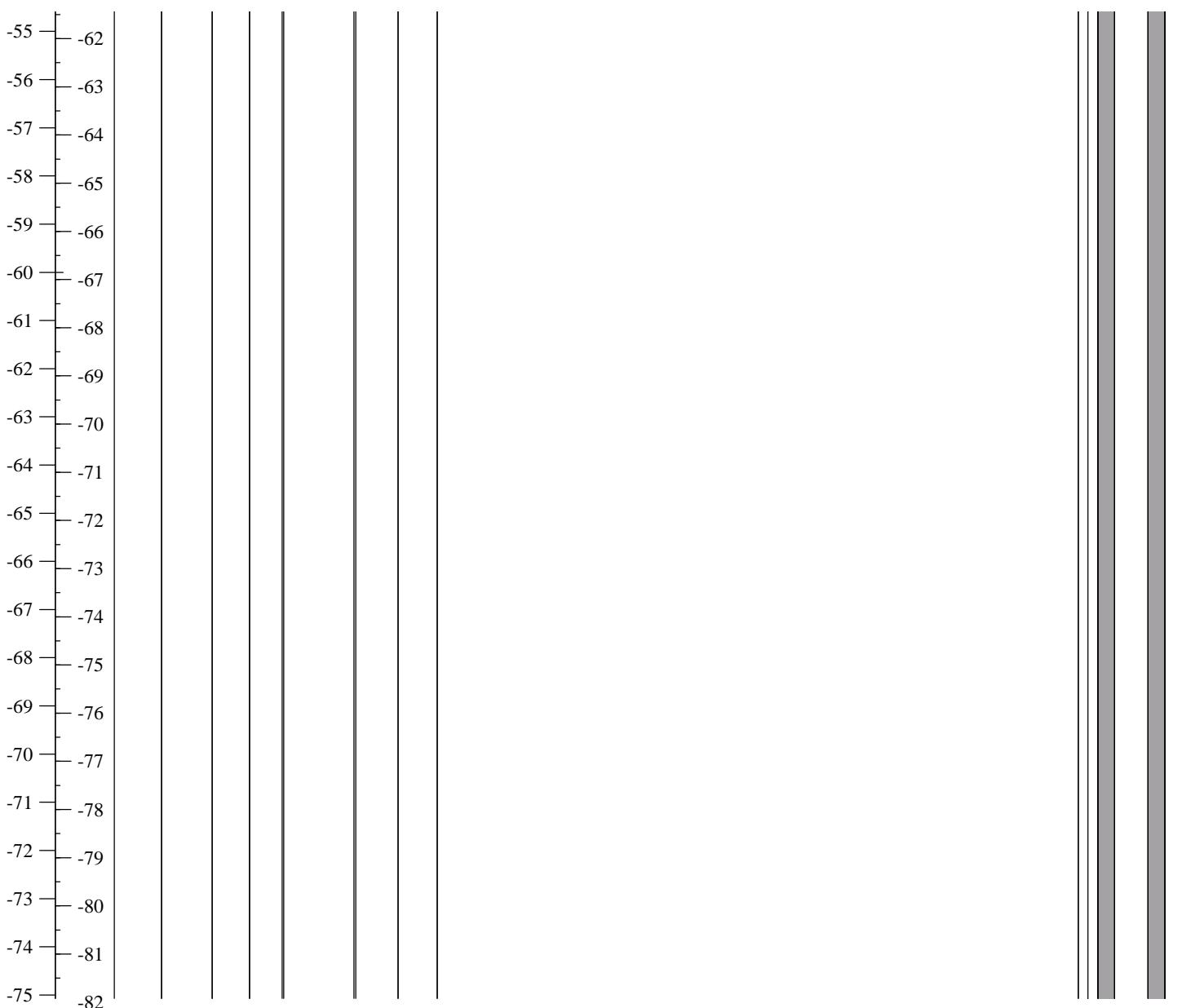
- |  |                                    |
|--|------------------------------------|
| 1) NA - Not Applicable                             | 6) SAA - Same As Above             |
| 2) ft - feet                                       | 7) PID - Photo Ionization Detector |
| 3) bgs - below ground surface                      | 8) ppm - parts per million         |
| 4) U.S.C.S.- Unified Soil Classification System    | 9) NAPL - Non-Aqueous Phase Liquid |
| 5) NAVD 88 - North American Vertical Datum of 1988 |                                    |

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** Apr. 25, 2011  
**Date Started/Completed:** 4/25/2011-4/28/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 6 Inches  
**Logged By:** Rita Papagian

**Water Level:** See MW-4  
**Total Depth:** 120 ft bgs  
**Ground Elevation:** 6.85 ft NAVD88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-4D1

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4D1
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

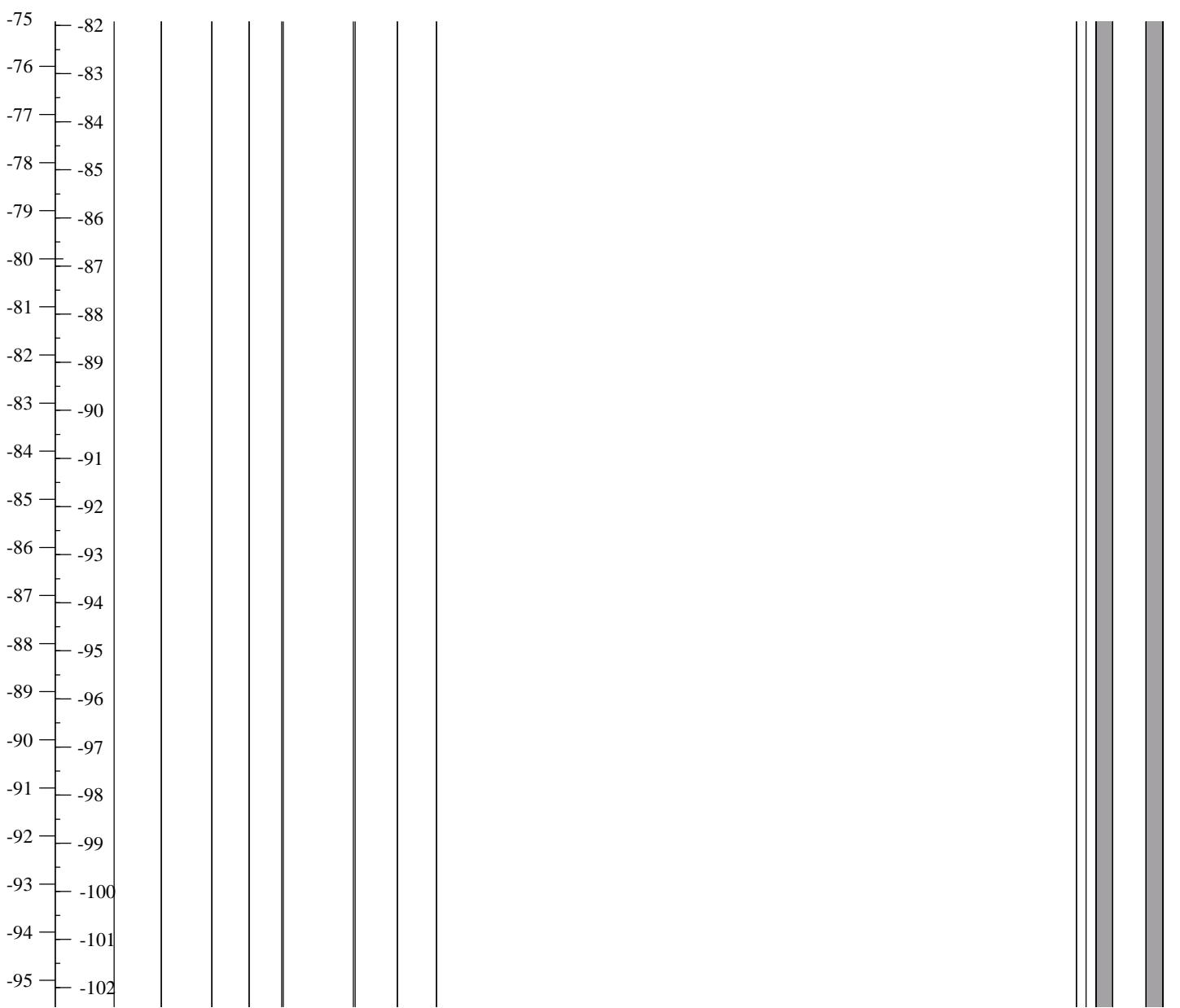
- |  |                                    |
|--|------------------------------------|
| 1) NA - Not Applicable                             | 6) SAA - Same As Above             |
| 2) ft - feet                                       | 7) PID - Photo Ionization Detector |
| 3) bgs - below ground surface                      | 8) ppm - parts per million         |
| 4) U.S.C.S.- Unified Soil Classification System    | 9) NAPL - Non-Aqueous Phase Liquid |
| 5) NAVD 88 - North American Vertical Datum of 1988 |                                    |

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** Apr. 25, 2011  
**Date Started/Completed:** 4/25/2011-4/28/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 6 Inches  
**Logged By:** Rita Papagian

**Water Level:** See MW-4  
**Total Depth:** 120 ft bgs  
**Ground Elevation:** 6.85 ft NAVD88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-4D1

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4D1
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

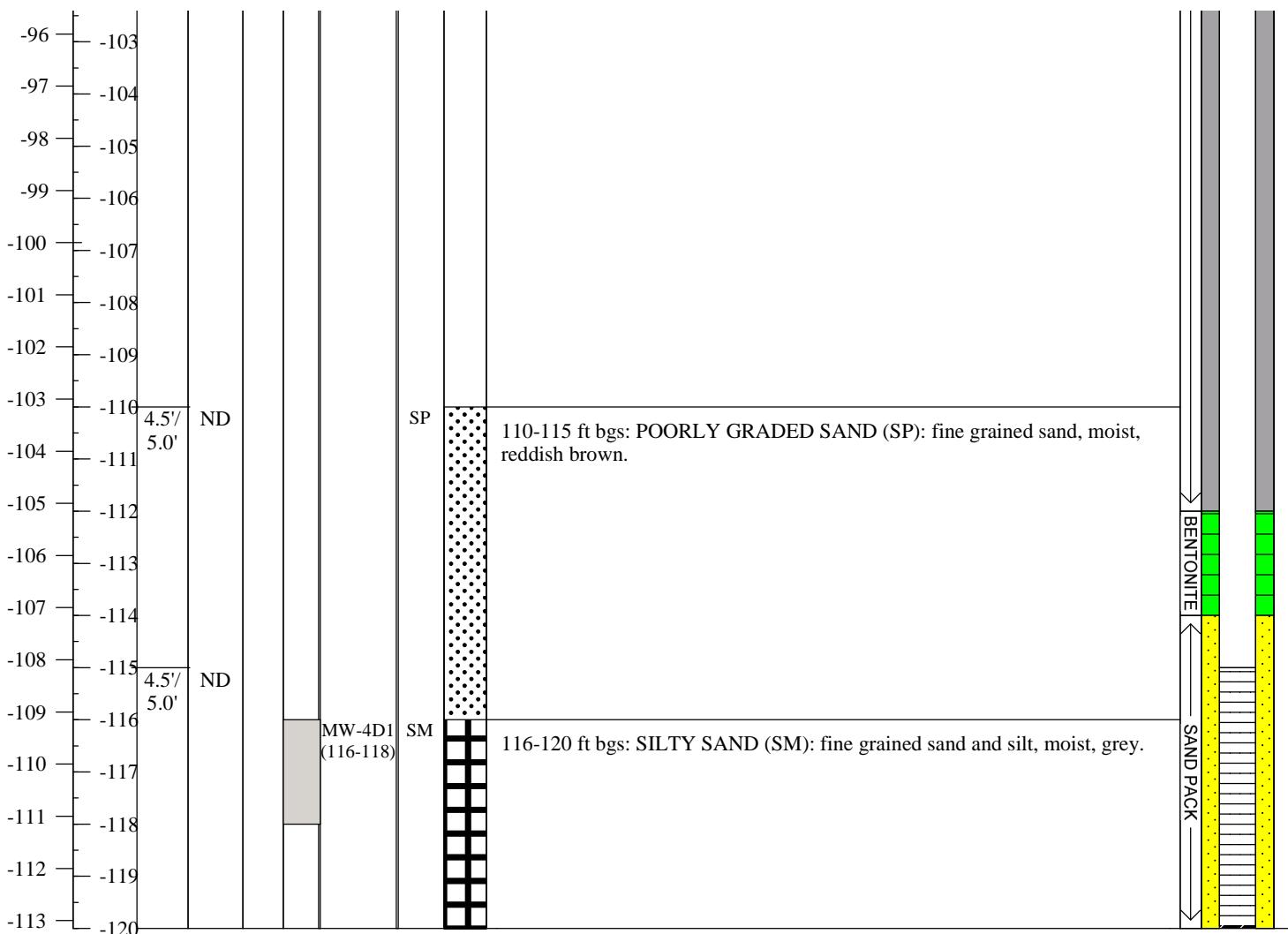
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** Apr. 25, 2011  
**Date Started/Completed:** 4/25/2011-4/28/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 6 Inches  
**Logged By:** Rita Papagian

**Water Level:** See MW-4  
**Total Depth:** 120 ft bgs  
**Ground Elevation:** 6.85 ft NAVD88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-4D1

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4D1
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

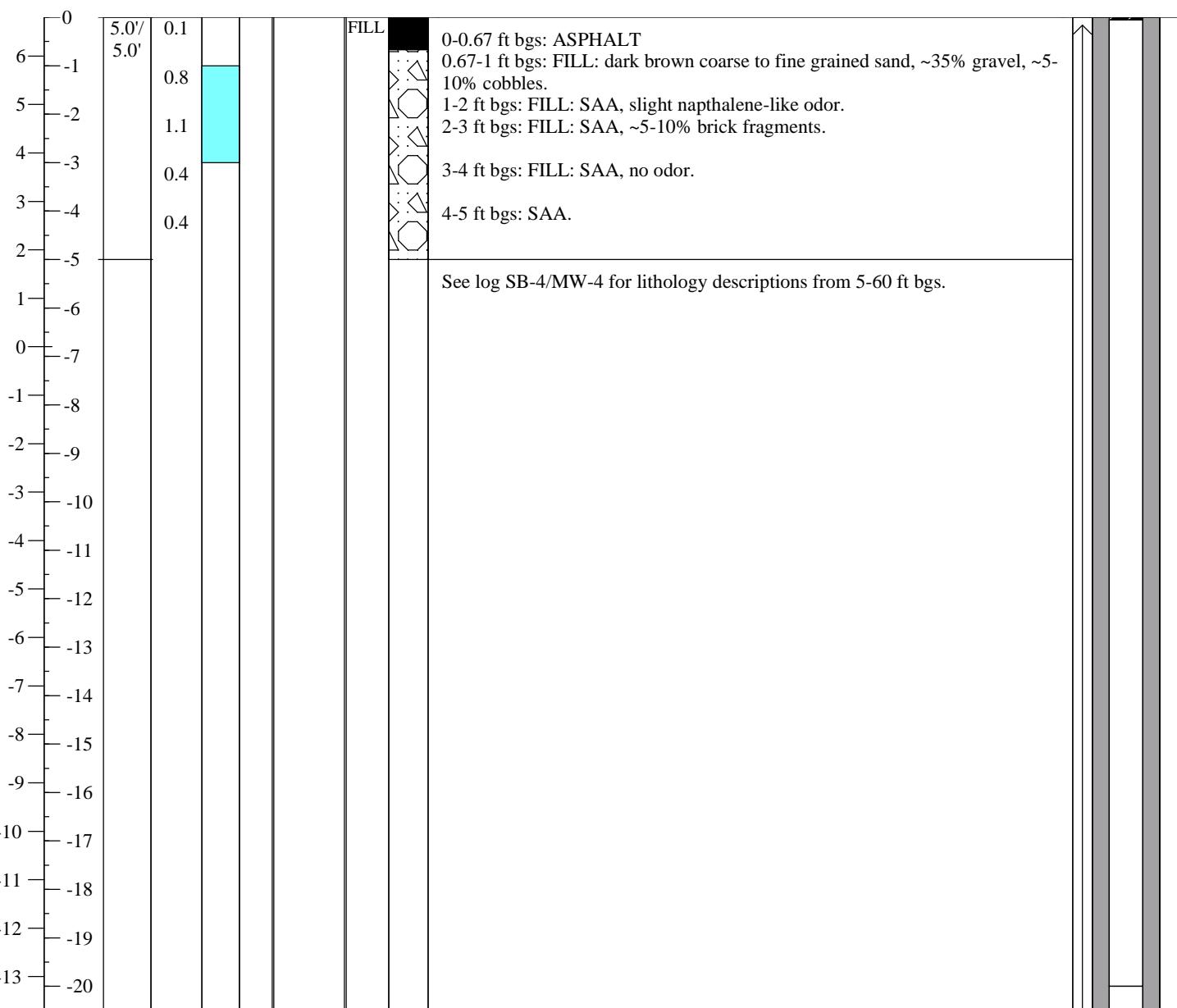
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** Apr. 25, 2011  
**Date Started/Completed:** Apr. 25, 2011/Apr. 27, 2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 6 Inches  
**Logged By:** Rita Papagian

**Water Level:** See MW-4  
**Total Depth:** 150 ft bgs  
**Ground Elevation:** 6.80 ft bgs  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-4D2

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4D2
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid



# Boring ID: MW-4D2

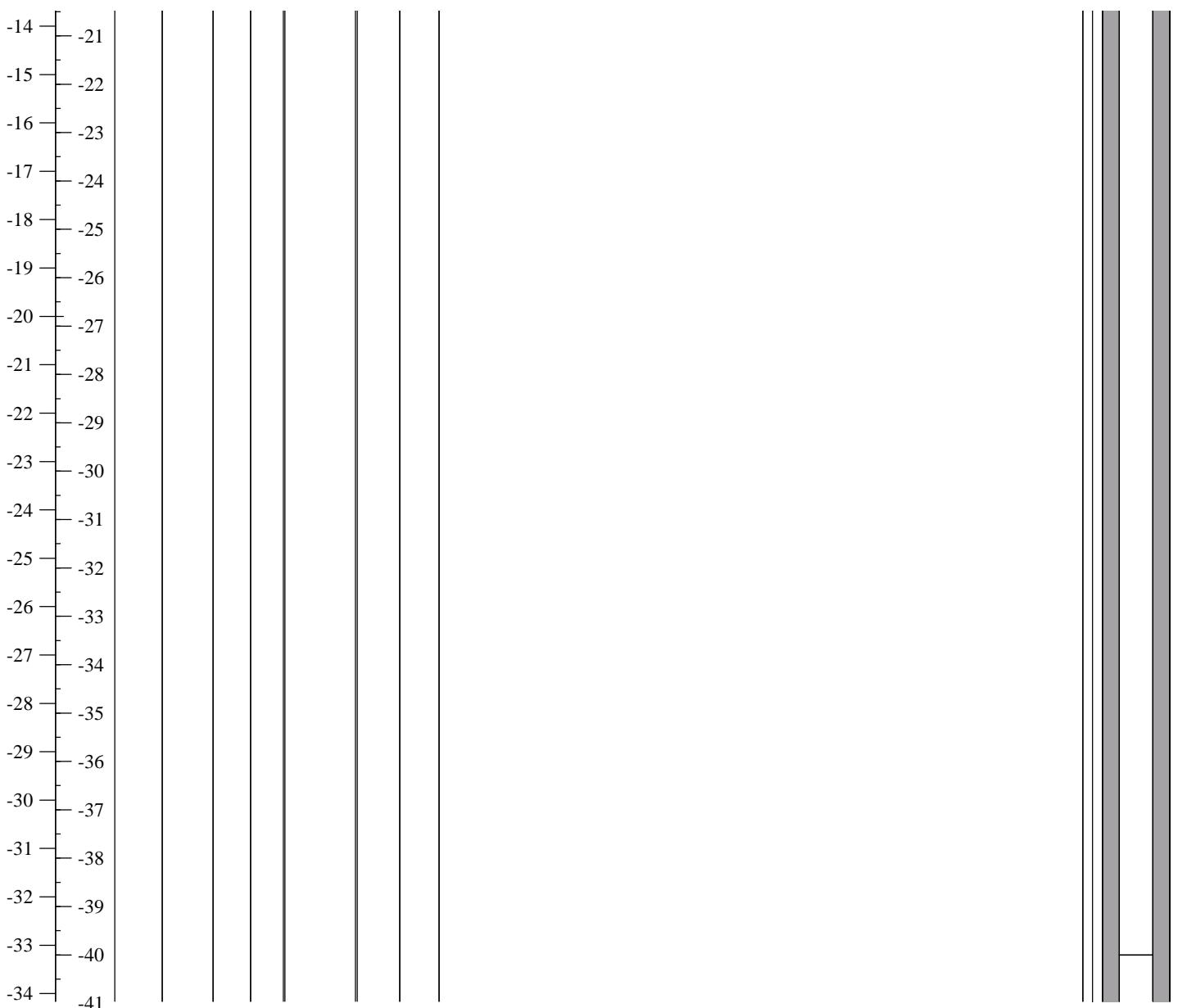
Page 2 of 8

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** Apr. 25, 2011  
**Date Started/Completed:** Apr. 25, 2011/Apr. 27, 2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 6 Inches  
**Logged By:** Rita Papagian

**Water Level:** See MW-4  
**Total Depth:** 150 ft bgs  
**Ground Elevation:** 6.80 ft bgs  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-4D2

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
-14	-21									



## Notes:

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4D2
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

## Definitions:

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid



# Boring ID: MW-4D2

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**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** Apr. 25, 2011  
**Date Started/Completed:** Apr. 25, 2011/Apr. 27, 2011

**Drilling Company:** Boart Longyear

**Drilling Method:** Sonic

**Sampling Method:** 5' disposable plastic liner

**Boring Diameter:** 6 Inches

**Logged By:** Rita Papagian

**Water Level:** See MW-4

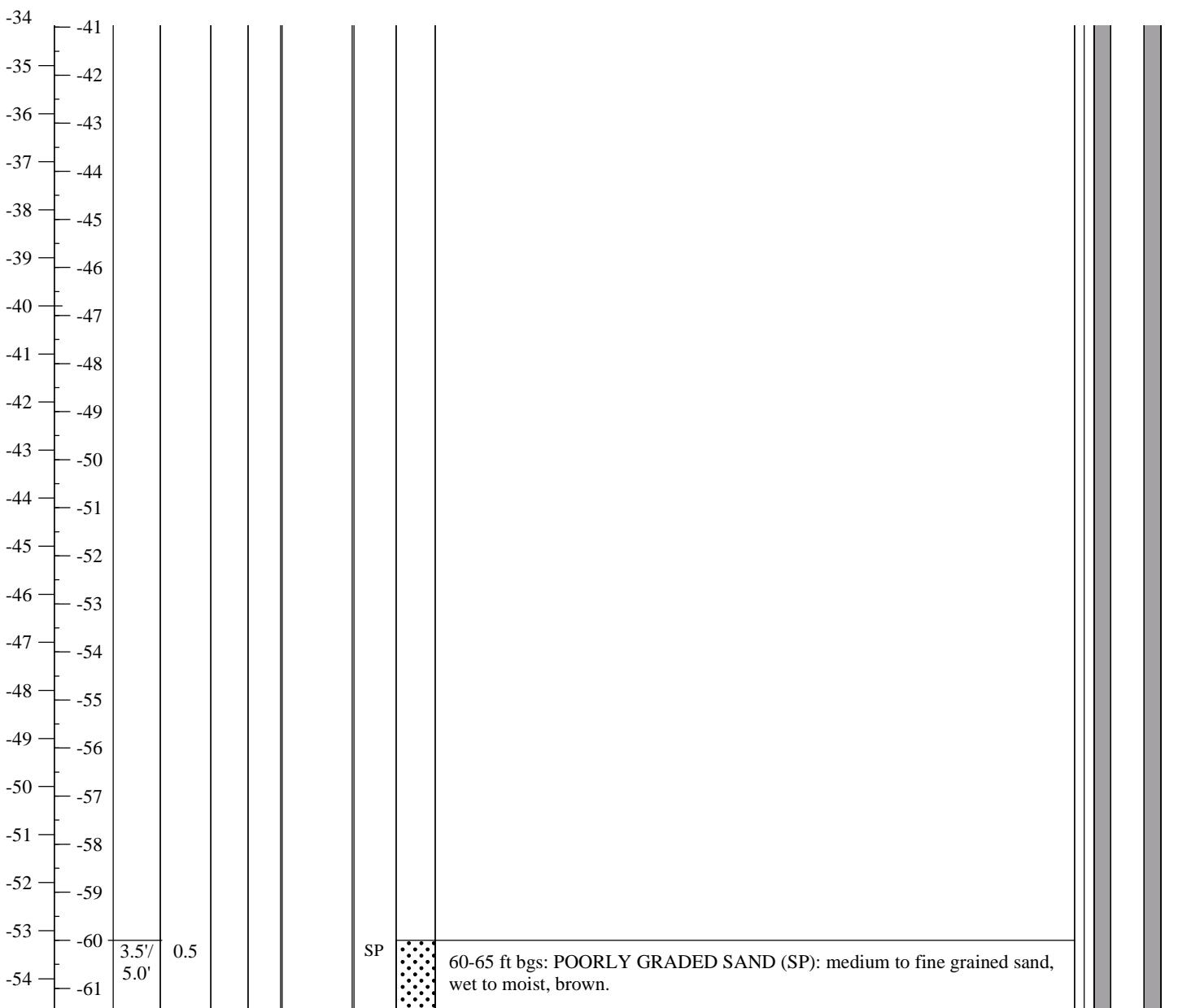
**Total Depth:** 150 ft bgs

**Ground Elevation:** 6.80 ft bgs

**Converted To Well (Y/N):** YES

**Well ID:** MW-4D2

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
----------------	------------	---------------	-----------	---------	------------------	-----------	----------	-----------	----------------------	-------------------



**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4D2
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

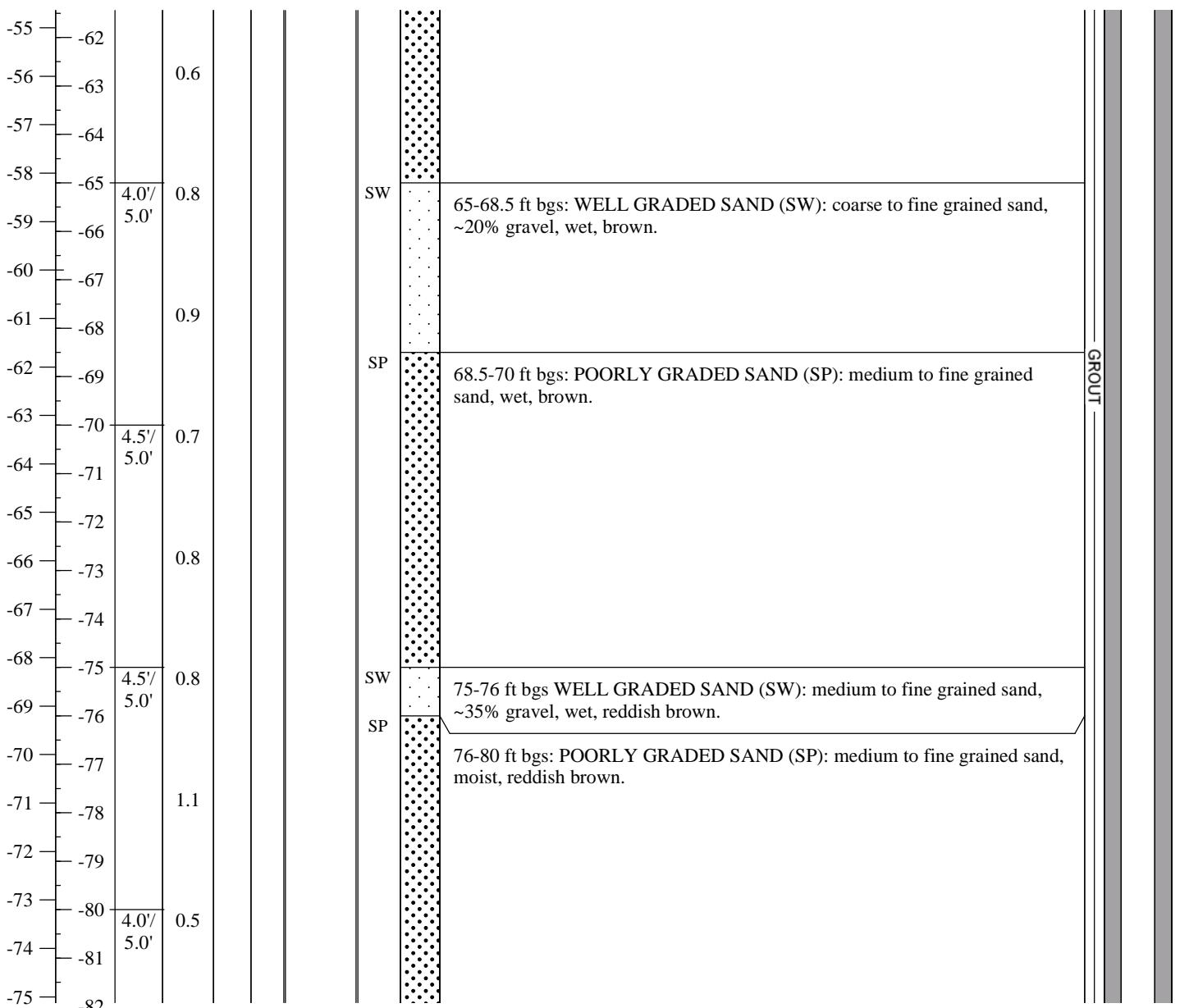


# Boring ID: MW-4D2

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<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> See MW-4
<b>Project Number:</b> 60137361	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 150 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 6.80 ft bgs
<b>Date Pre-Cleared:</b> Apr. 25, 2011	<b>Boring Diameter:</b> 6 Inches	<b>Converted To Well (Y/N):</b> YES
<b>Date Started/Completed:</b> Apr. 25, 2011/Apr. 27, 2011	<b>Logged By:</b> Rita Papagian	<b>Well ID:</b> MW-4D2

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction

**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4D2
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

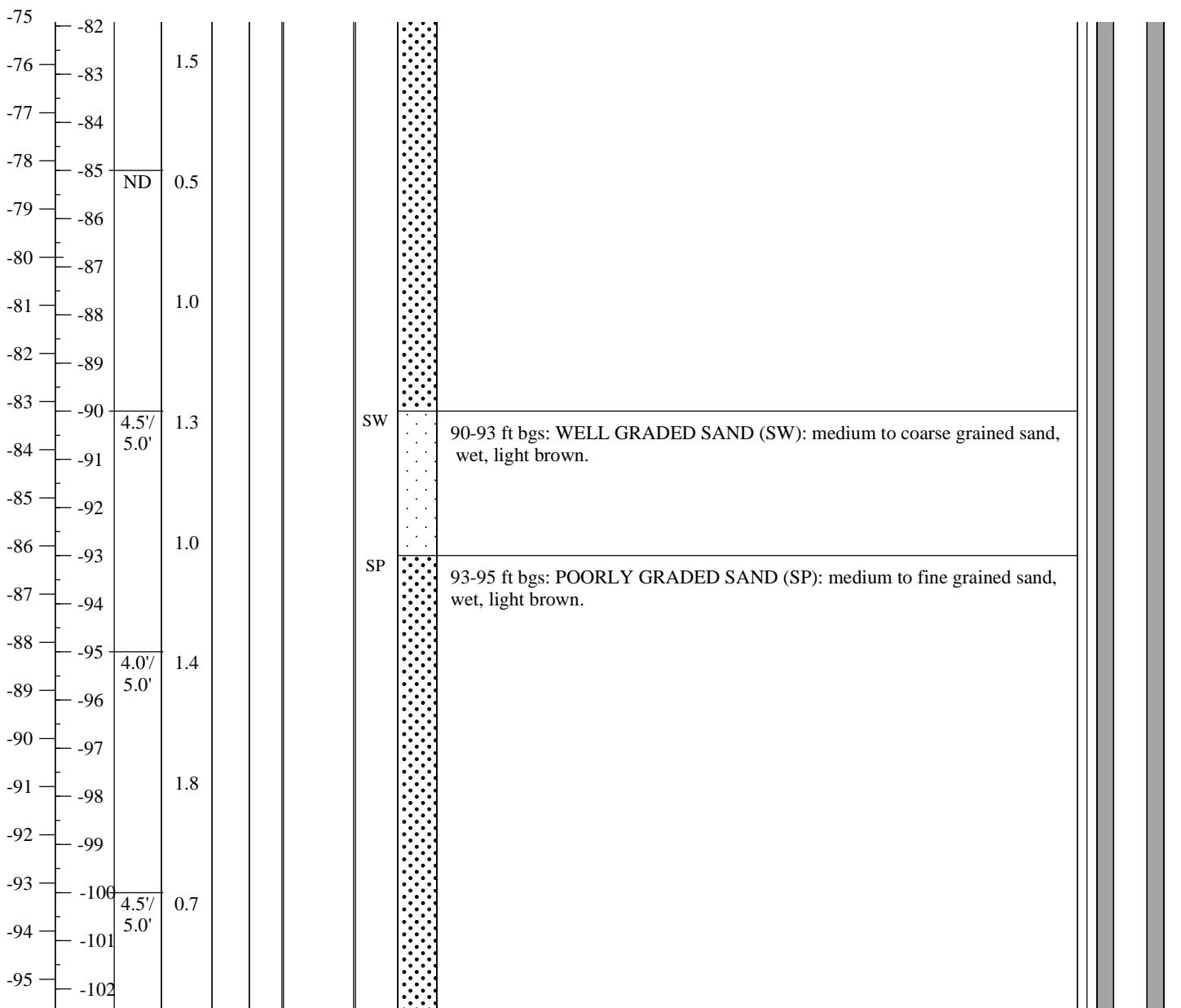


# Boring ID: MW-4D2

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<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> See MW-4
<b>Project Number:</b> 60137361	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 150 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 6.80 ft bgs
<b>Date Pre-Cleared:</b> Apr. 25, 2011	<b>Boring Diameter:</b> 6 Inches	<b>Converted To Well (Y/N):</b> YES
<b>Date Started/Completed:</b> Apr. 25, 2011/Apr. 27, 2011	<b>Logged By:</b> Rita Papagian	<b>Well ID:</b> MW-4D2

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
-75	-82									

**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4D2
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

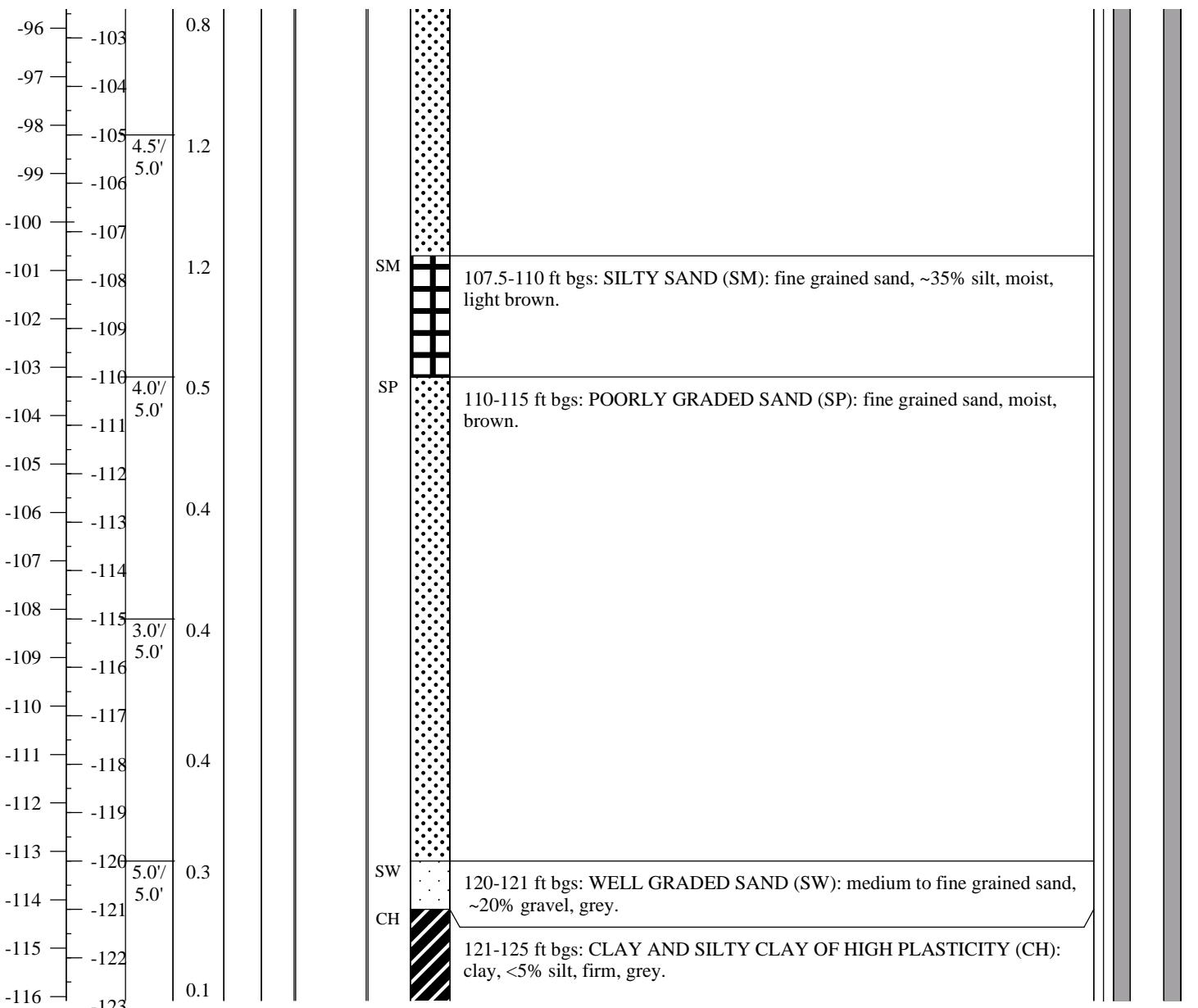
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** Apr. 25, 2011  
**Date Started/Completed:** Apr. 25, 2011/Apr. 27, 2011  
**Logged By:** Rita Papagian

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 6 Inches

**Water Level:** See MW-4  
**Total Depth:** 150 ft bgs  
**Ground Elevation:** 6.80 ft bgs  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-4D2

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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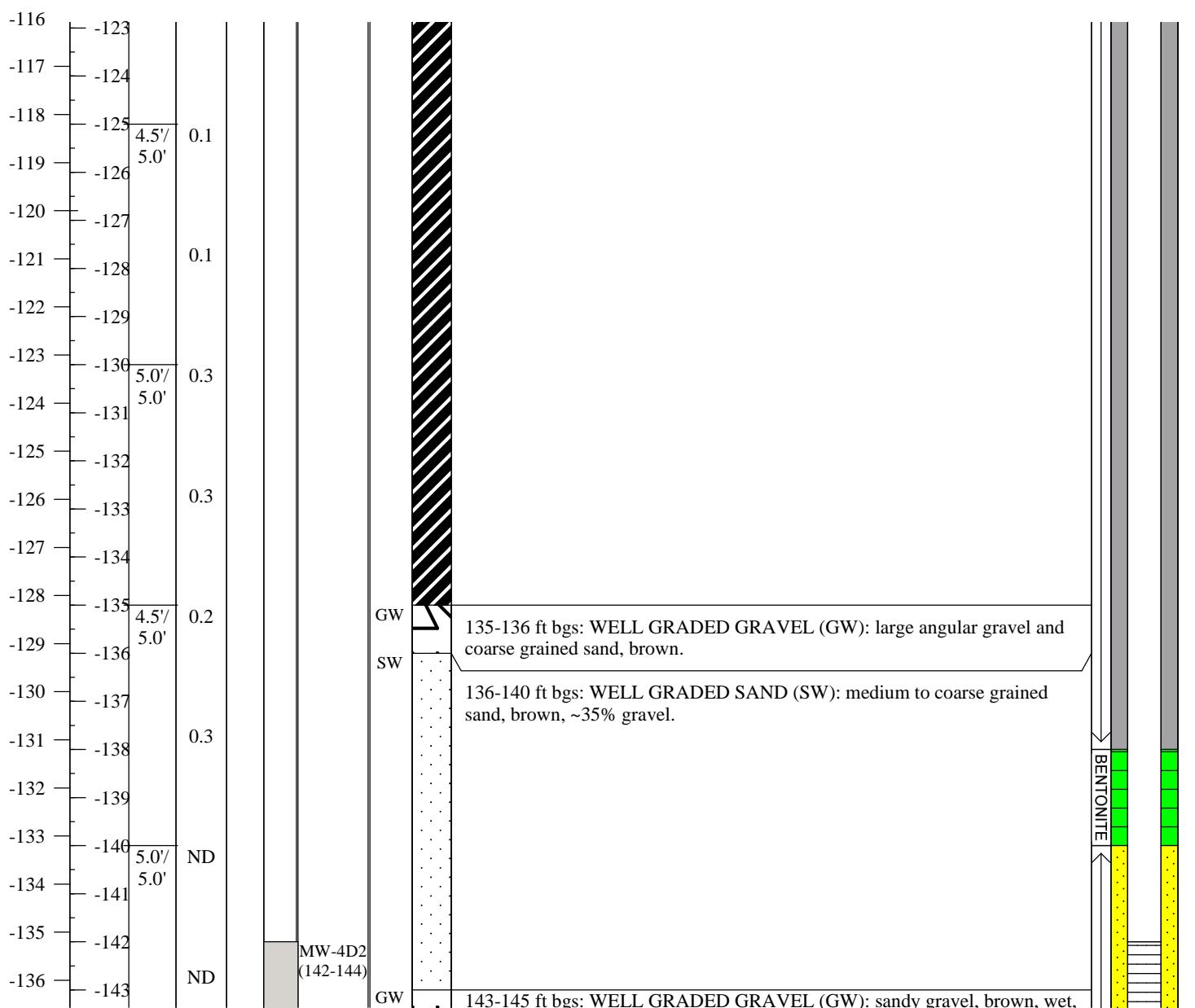

**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4D2
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> See MW-4
<b>Project Number:</b> 60137361	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 150 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 6.80 ft bgs
<b>Date Pre-Cleared:</b> Apr. 25, 2011	<b>Boring Diameter:</b> 6 Inches	<b>Converted To Well (Y/N):</b> YES
<b>Date Started/Completed:</b> Apr. 25, 2011/Apr. 27, 2011	<b>Logged By:</b> Rita Papagian	<b>Well ID:</b> MW-4D2



#### **Notes:**

- Notes:**

  - 1) Location hand cleared from 0-5 ft bgs.
  - 2) Boring was converted into Monitoring Well: MW-4D2
  - 3) Riser Pipe: PVC sch. 40, 2" diameter
  - 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
  - 5) Sand pack #0
  - 6) No Meadow Mat Present
  - 7) Impacts include visual and olfactory

### **Definitions:**

- Definitions:**

  - 1) NA - Not Applicable
  - 2) ft - feet
  - 3) bgs - below ground surface
  - 4) U.S.C.S.- Unified Soil Classification System
  - 5) NAVD 88 - North American Vertical Datum of 1988

**6) SAA - Same As Above**

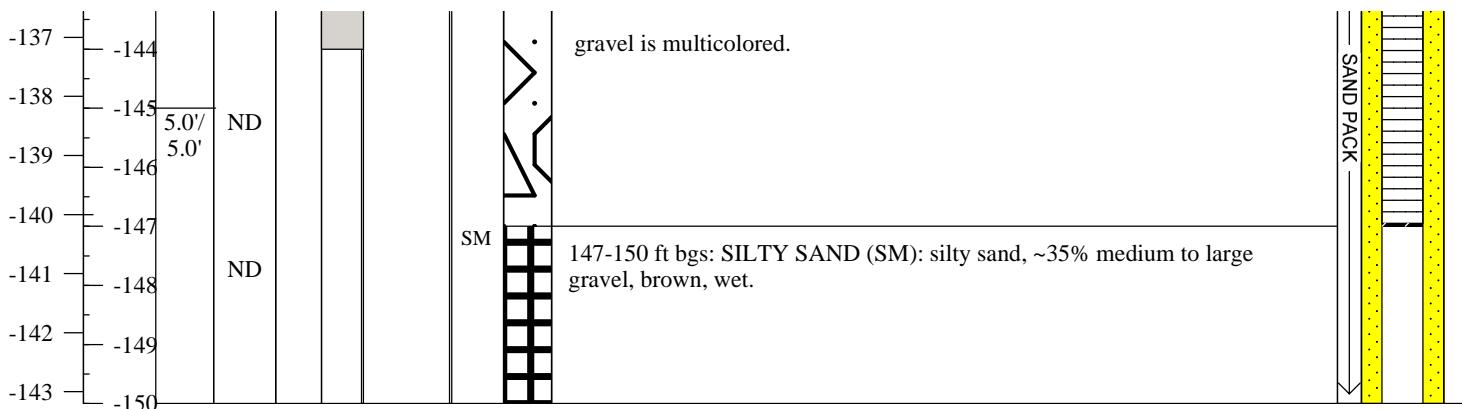
7) PID - Photo Ionization Detector

8) ppm - parts per million

9) NAPL - Non-Aqueous Phase Liquid

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> See MW-4
<b>Project Number:</b> 60137361	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 150 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 6.80 ft bgs
<b>Date Pre-Cleared:</b> Apr. 25, 2011	<b>Boring Diameter:</b> 6 Inches	<b>Converted To Well (Y/N):</b> YES
<b>Date Started/Completed:</b> Apr. 25, 2011/Apr. 27, 2011	<b>Logged By:</b> Rita Papagian	<b>Well ID:</b> MW-4D2

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
-137	-144									


**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-4D2
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

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- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

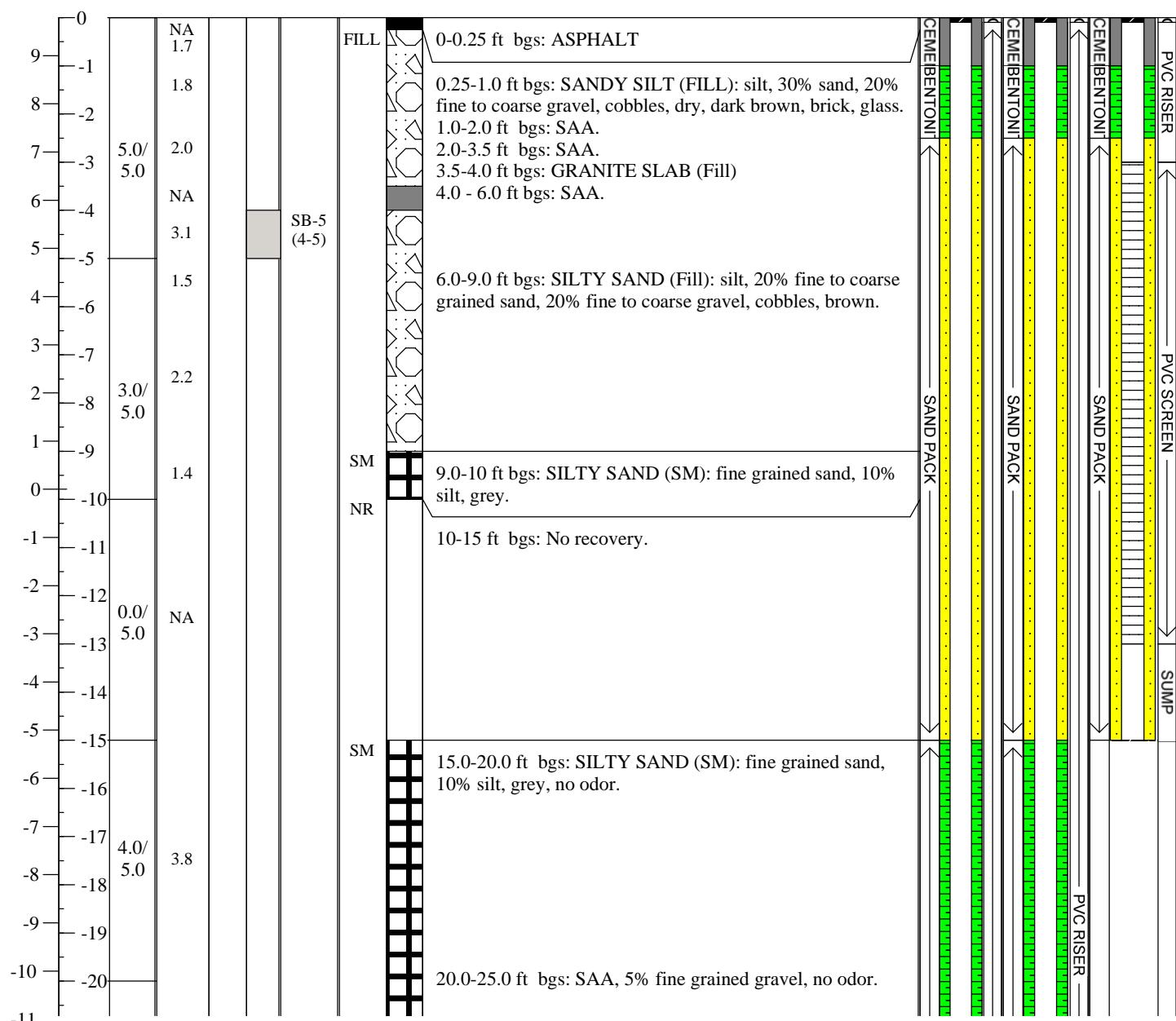
9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-21-2010  
**Date Started/Completed:** 4-21-2010/4-22-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5 ft disposable plastic liner  
**Boring Diameter:** 8"

**Water Level:** ~5 ft bgs  
**Total Depth:** 72 ft bgs  
**Ground Elevation:** 9.79' (D/I/S) NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-5D/MW-5I/MW-5S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-5D      I-5I      MW-5S


**Notes:**

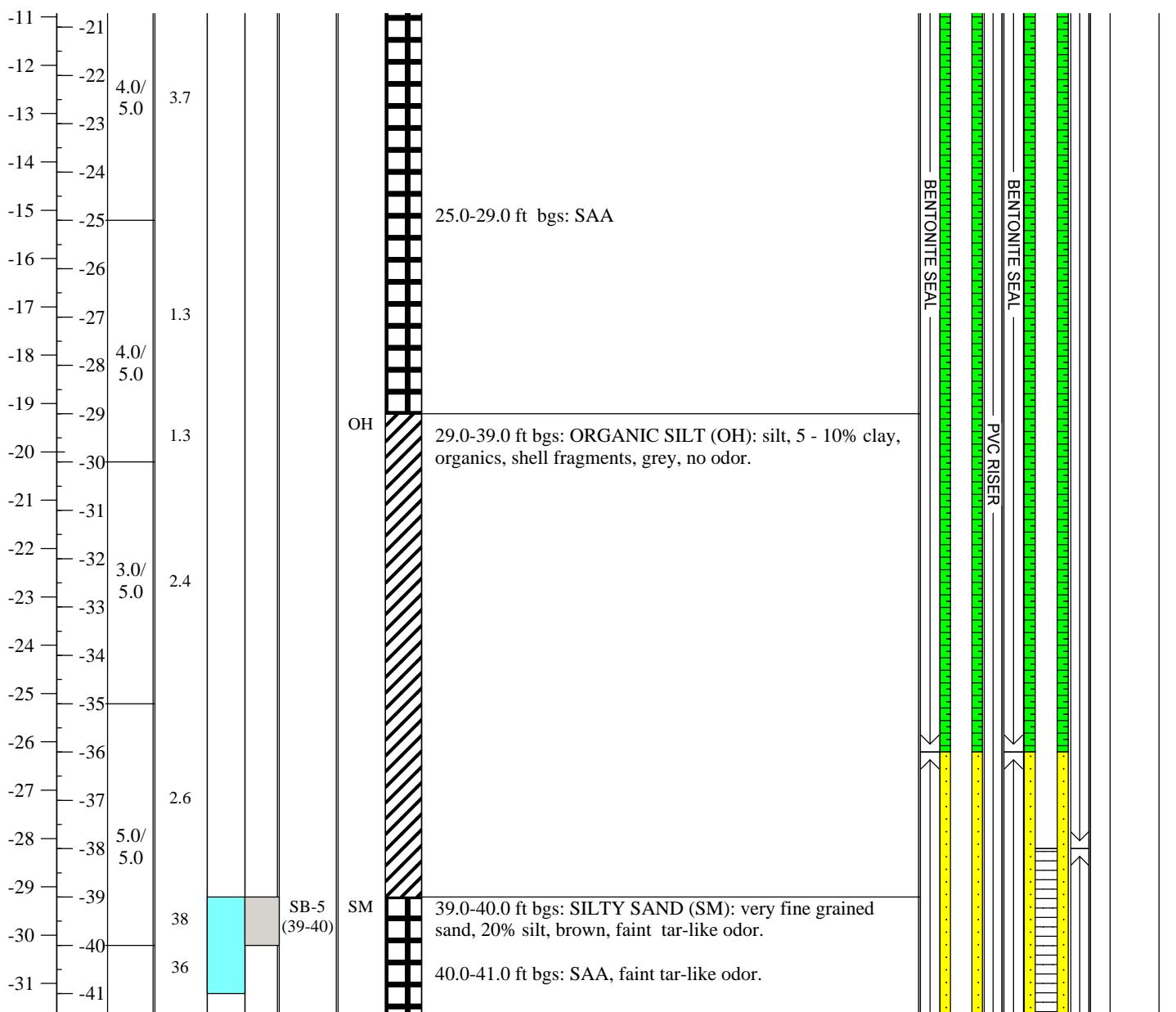
- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) Boring was converted into Monitoring Well: MW-5D/5I/5S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 10) NR- no recovery

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~5 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 72 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5 ft disposable plastic liner	<b>Ground Elevation:</b> 9.79' (D/I/S) NAVD88
<b>Date Pre-Cleared:</b> 4-21-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> Yes
<b>Date Started/Completed:</b> 4-21-2010/4-22-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> MW-5D/MW-5I/MW-5S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-5D MW-5I MW-5S

**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) Boring was converted into Monitoring Well: MW-5D/5I/5S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

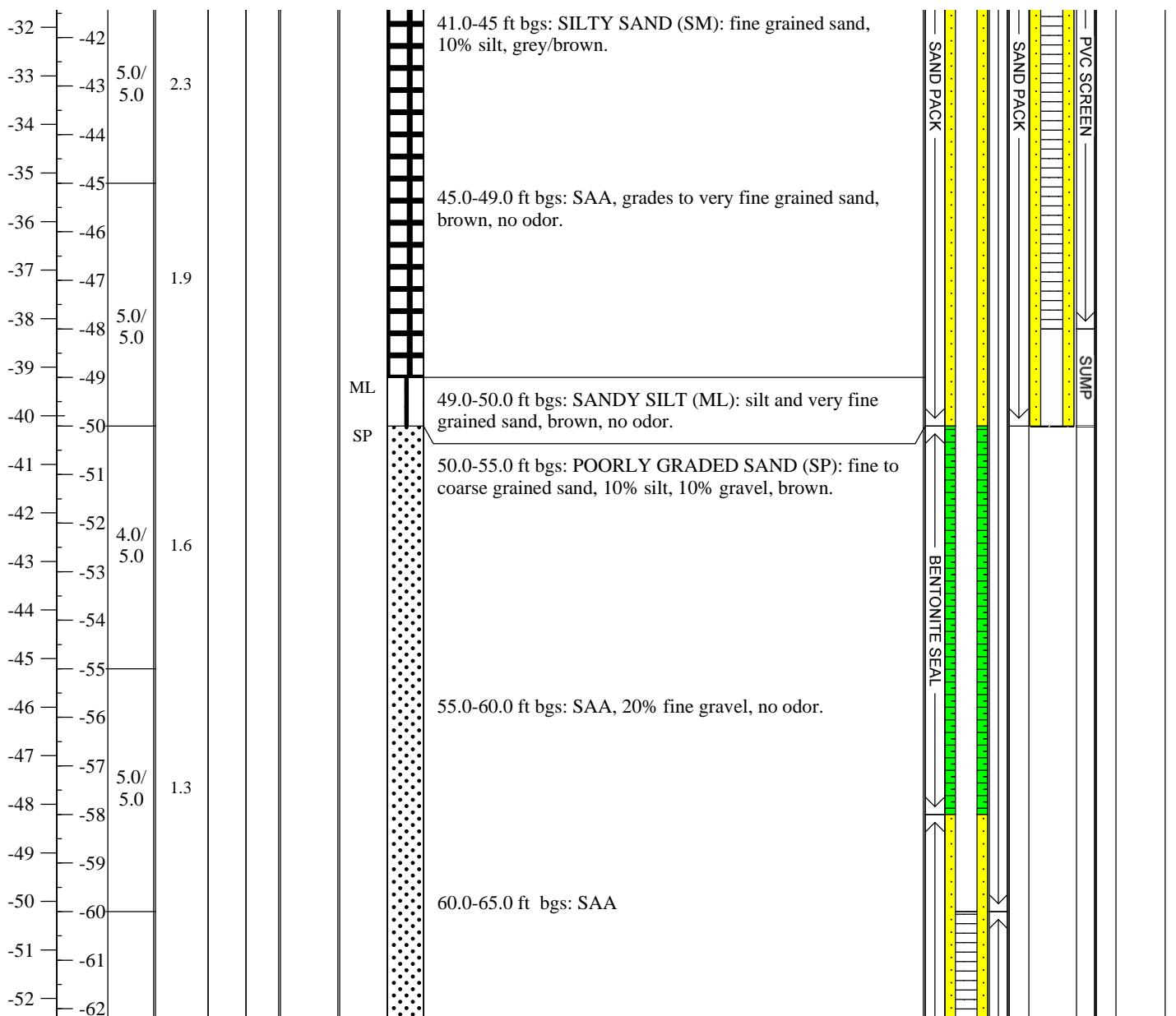
**Definitions:**

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- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 10) NR- no recovery

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~5 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 72 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5 ft disposable plastic liner	<b>Ground Elevation:</b> 9.79' (D/I/S) NAVD88
<b>Date Pre-Cleared:</b> 4-21-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> Yes
<b>Date Started/Completed:</b> 4-21-2010/4-22-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> MW-5D/MW-5I/MW-5S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-5D MW-5I MW-5S


**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) Boring was converted into Monitoring Well: MW-5D/5I/5S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

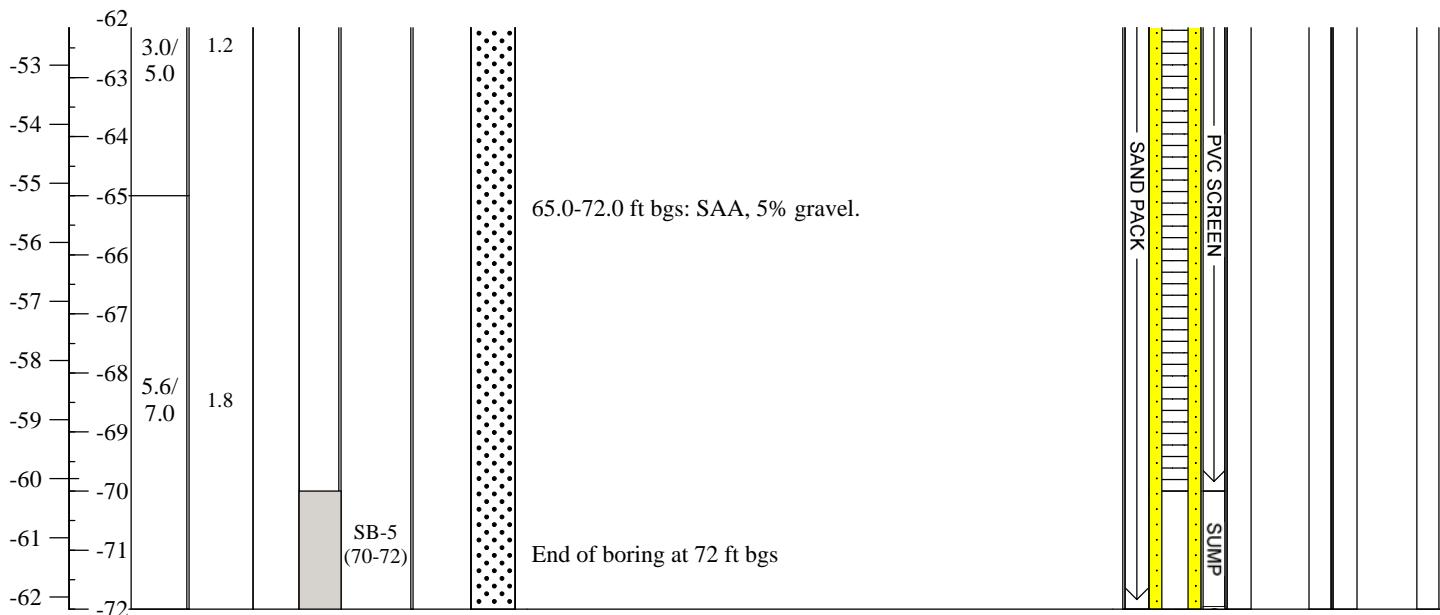
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- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
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<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~5 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 72 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5 ft disposable plastic liner	<b>Ground Elevation:</b> 9.79' (D/L/S) NAVD88
<b>Date Pre-Cleared:</b> 4-21-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> Yes
<b>Date Started/Completed:</b> 4-21-2010/4-22-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> MW-5D/MW-5I/MW-5S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
										MW-5D MW-5I MW-5S

**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) Boring was converted into Monitoring Well: MW-5D/5I/5S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

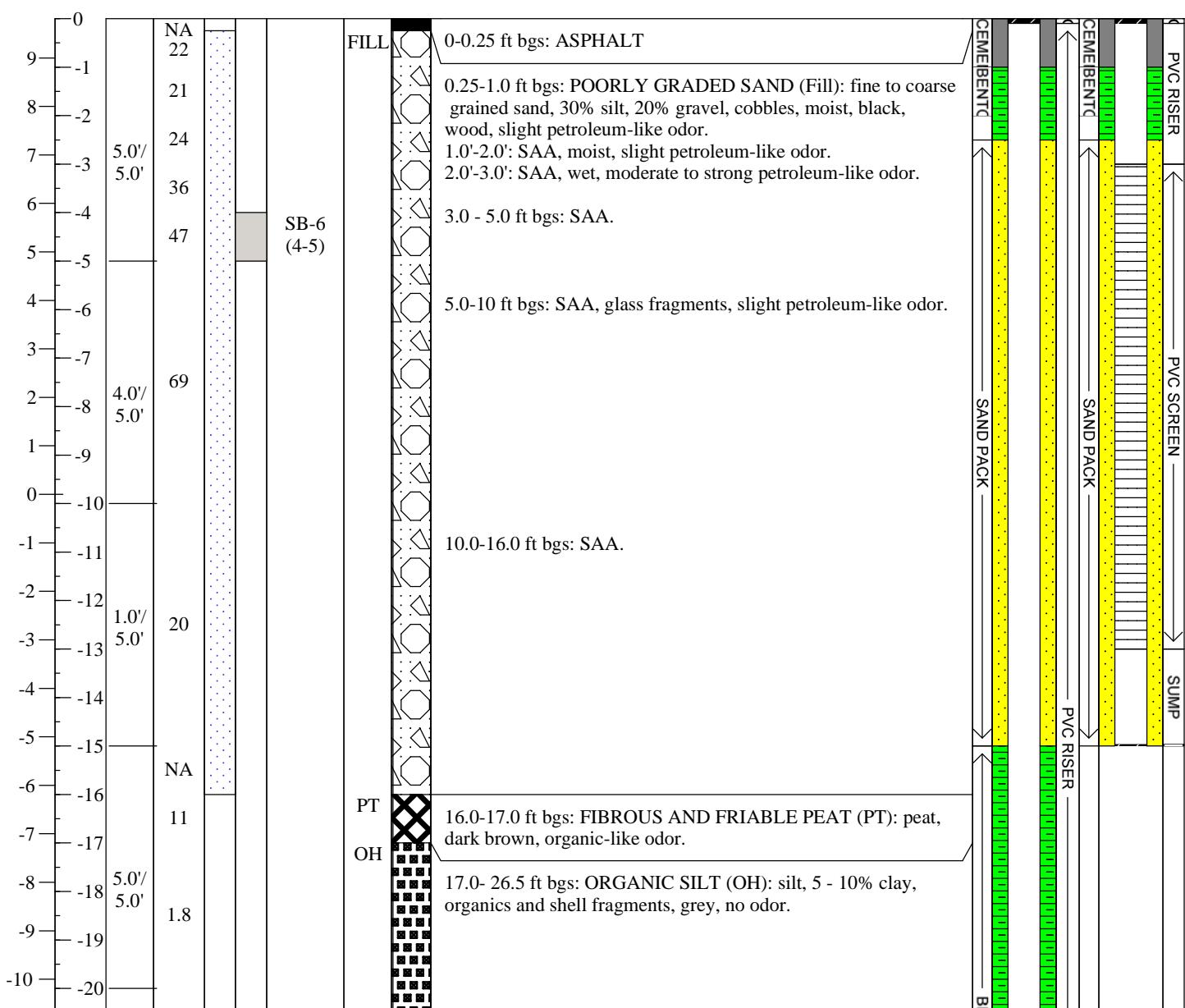
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 10) NR- no recovery

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 4-20-2010  
**Date Started/Completed:** 4-20-2010/4-21-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~3 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 9.81' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-6I/MW-6S

Elevation (ft)	Depth (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
									MW-6I MW-MM


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-6I/6S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

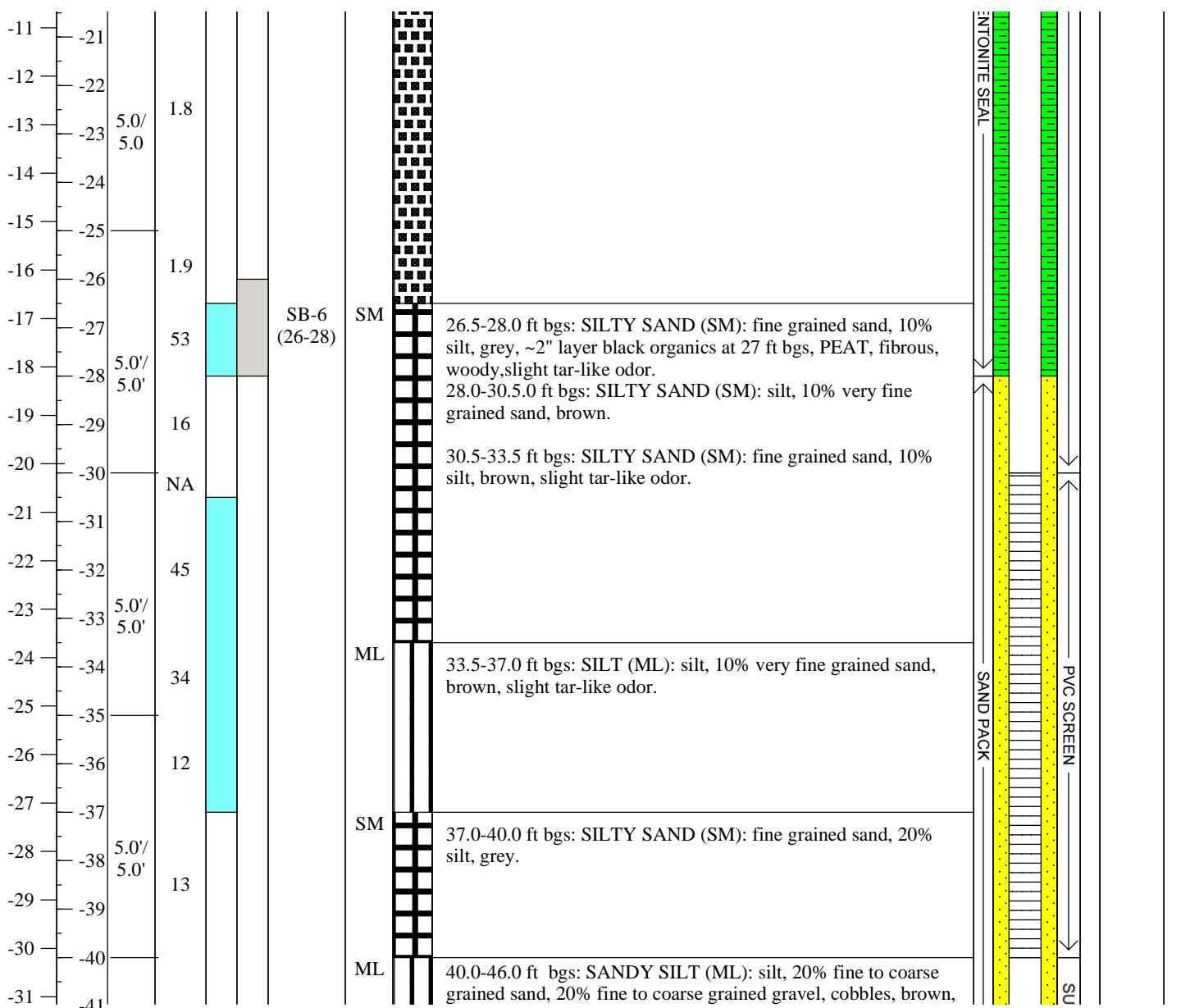
9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 4-20-2010  
**Date Started/Completed:** 4-20-2010/4-21-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~3 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 9.81' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-6I/MW-6S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
										MW-6I MW-6S


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-6I/6S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

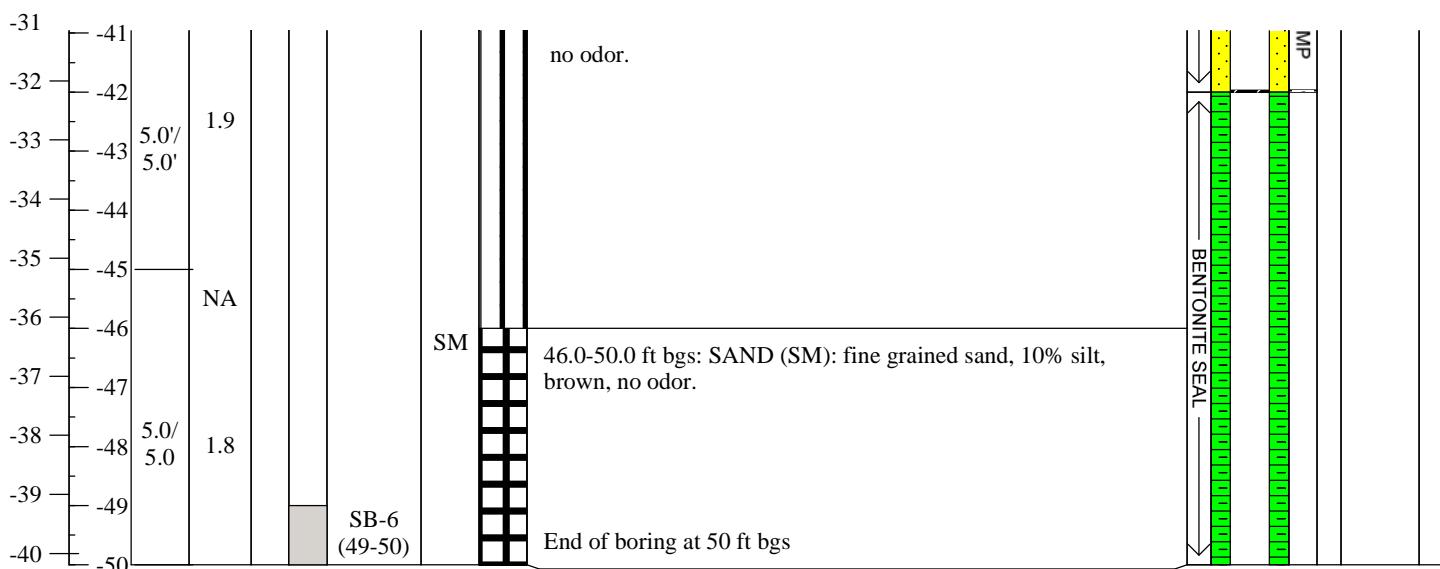
- 1) NA - Not Applicable
- 2) ft - feet
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- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 4-20-2010  
**Date Started/Completed:** 4-20-2010/4-21-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~3 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 9.81' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-6I/MW-6S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										19-MW MW-6S


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-6I/6S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

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- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

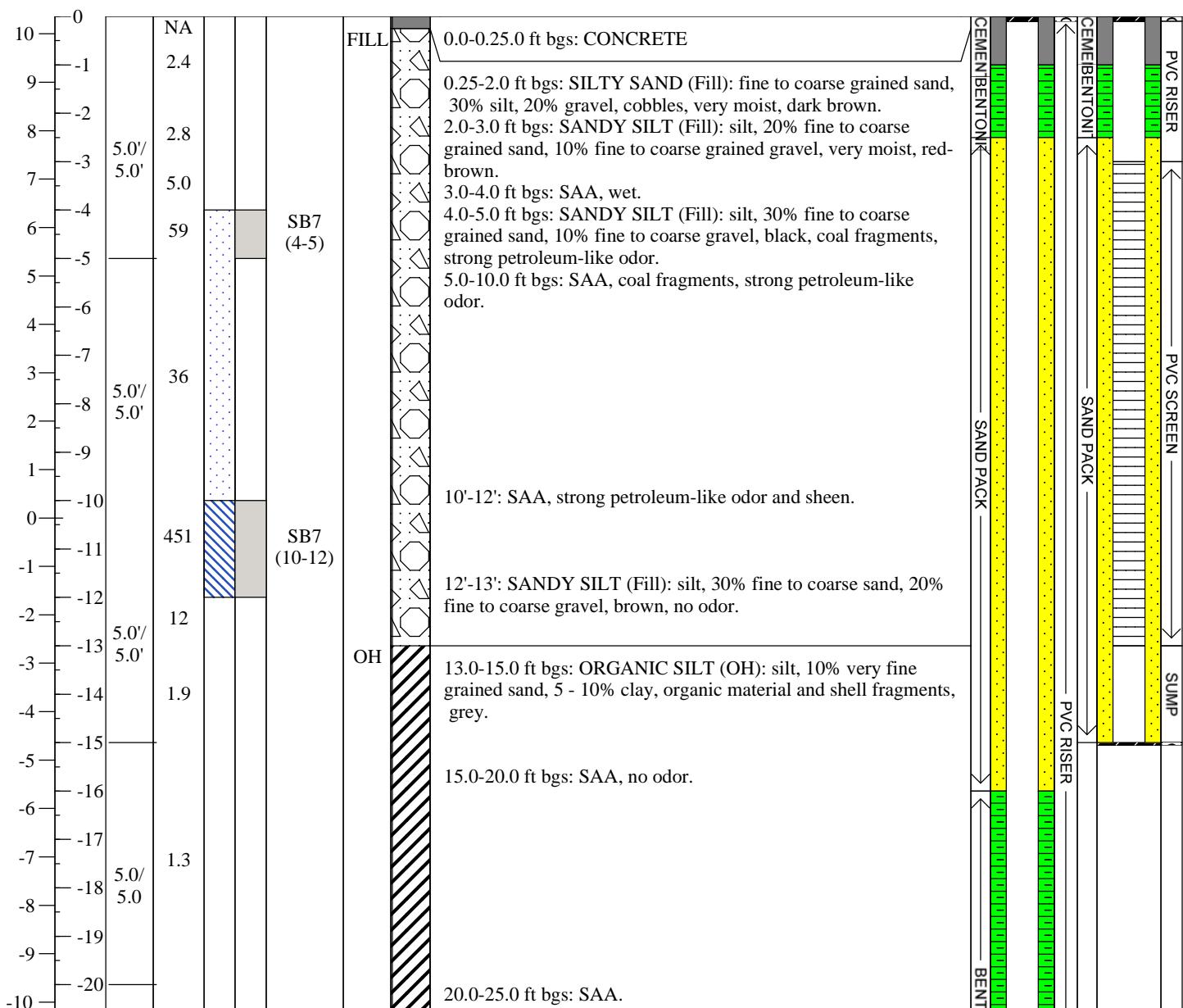
 7) PID - Photo Ionization Detector  
 8) ppm - parts per million  
 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 4-28-2010  
**Date Started/Completed:** 4-28-2010/4-29-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~3 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 10.36' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-7I/MW-7S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-7I MW-7S


**Notes:**

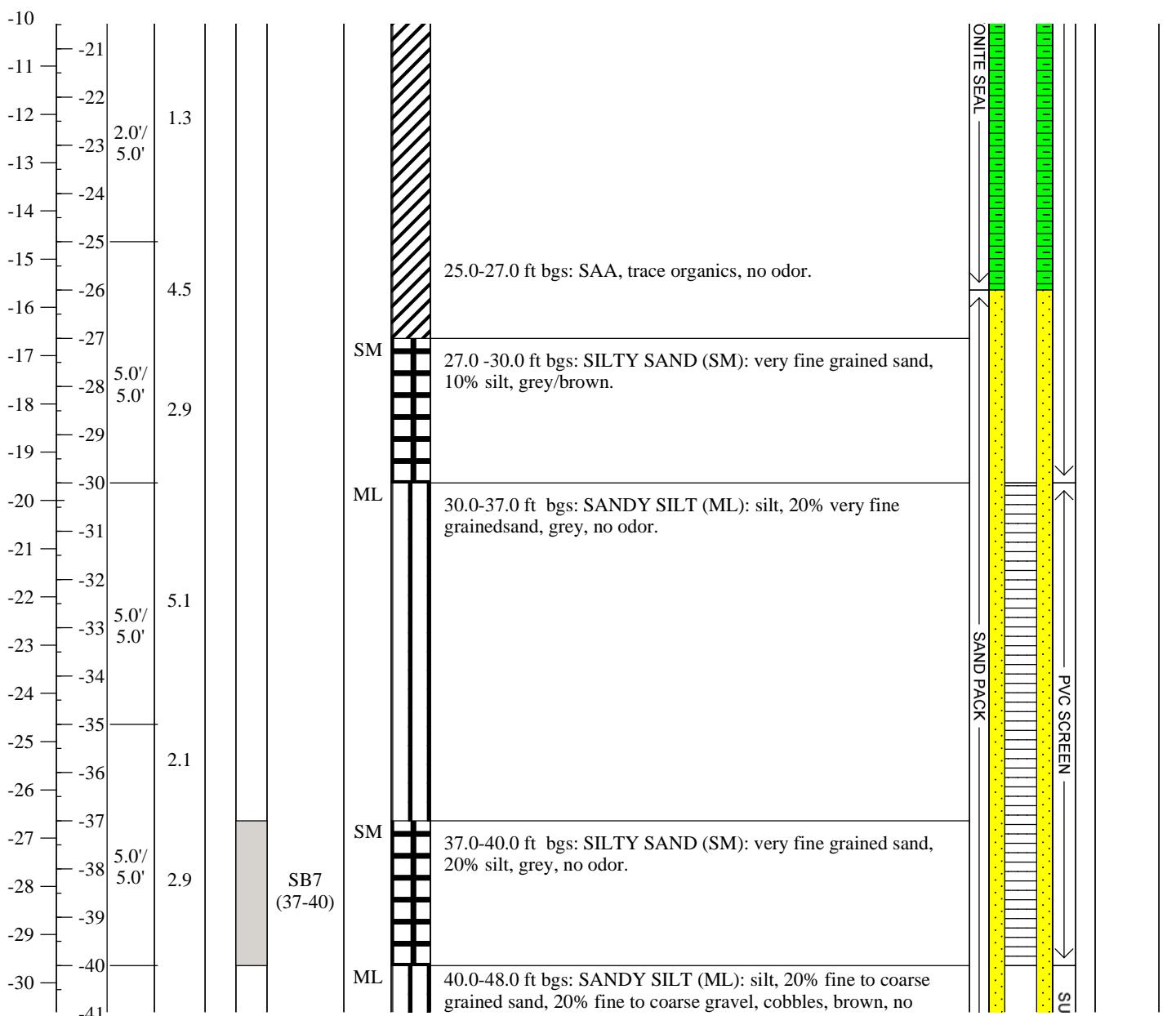
- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-7I/7S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~3 ft bgs
<b>Project Number:</b> 60137361	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 50 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 10.36' NAVD88
<b>Date Pre-Cleared:</b> 4-28-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> Yes
<b>Date Started/Completed:</b> 4-28-2010/4-29-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> MW-7I/MW-7S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description		<b>Well Construction</b>
									Geologic Description	Geologic Description	
-10											MW-7I MW-7S


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-7I/7S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

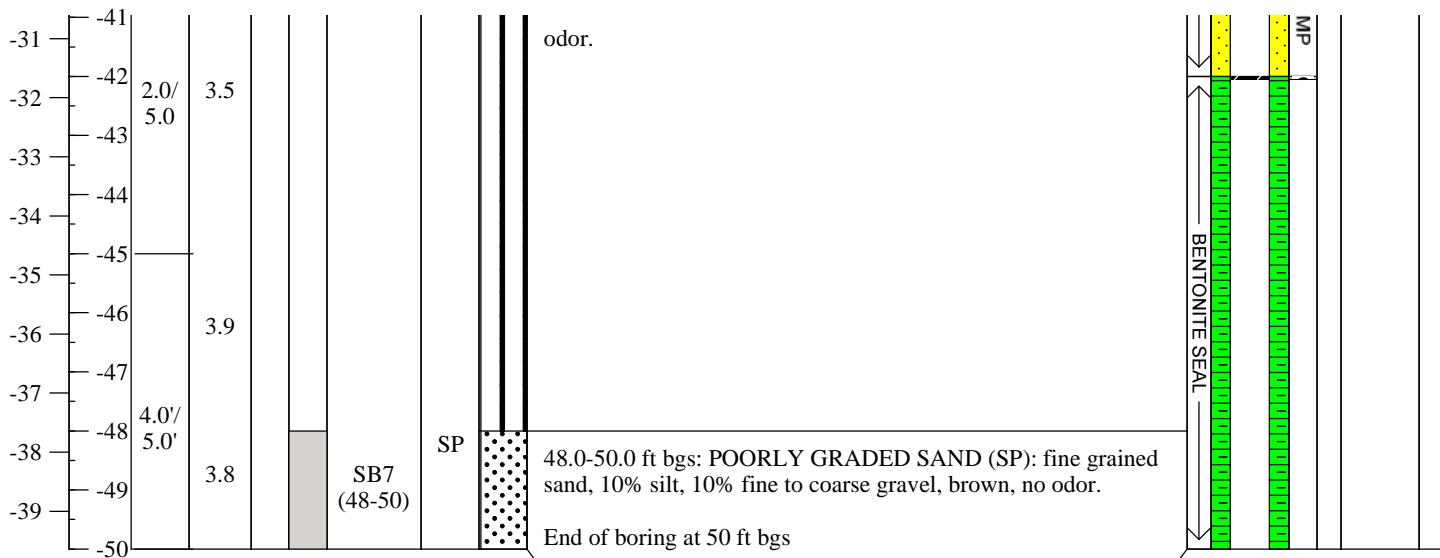
- 1) NA - Not Applicable
- 2) ft - feet
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**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 4-28-2010  
**Date Started/Completed:** 4-28-2010/4-29-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~3 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 10.36' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-7I/MW-7S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-7I MW-7S


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-7I/7S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

 7) PID - Photo Ionization Detector  
 8) ppm - parts per million

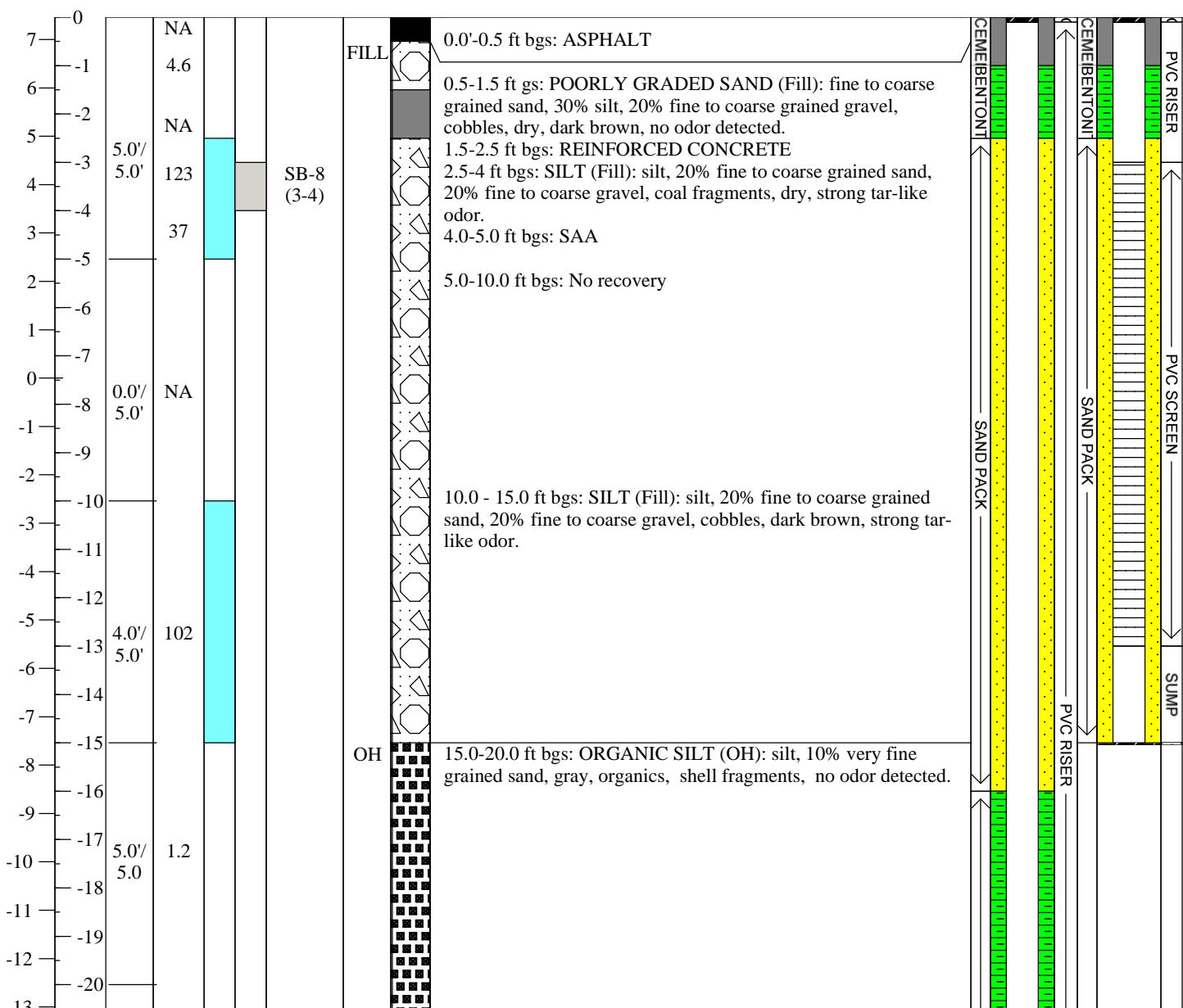
9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 5-4-2010  
**Date Started/Completed:** 5-4-2010/5-5- 2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~4 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 7.46' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-8I/MW-8S

Elevation (ft)	Depth (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
									MW-8I S8-MW

**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-8I/8S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

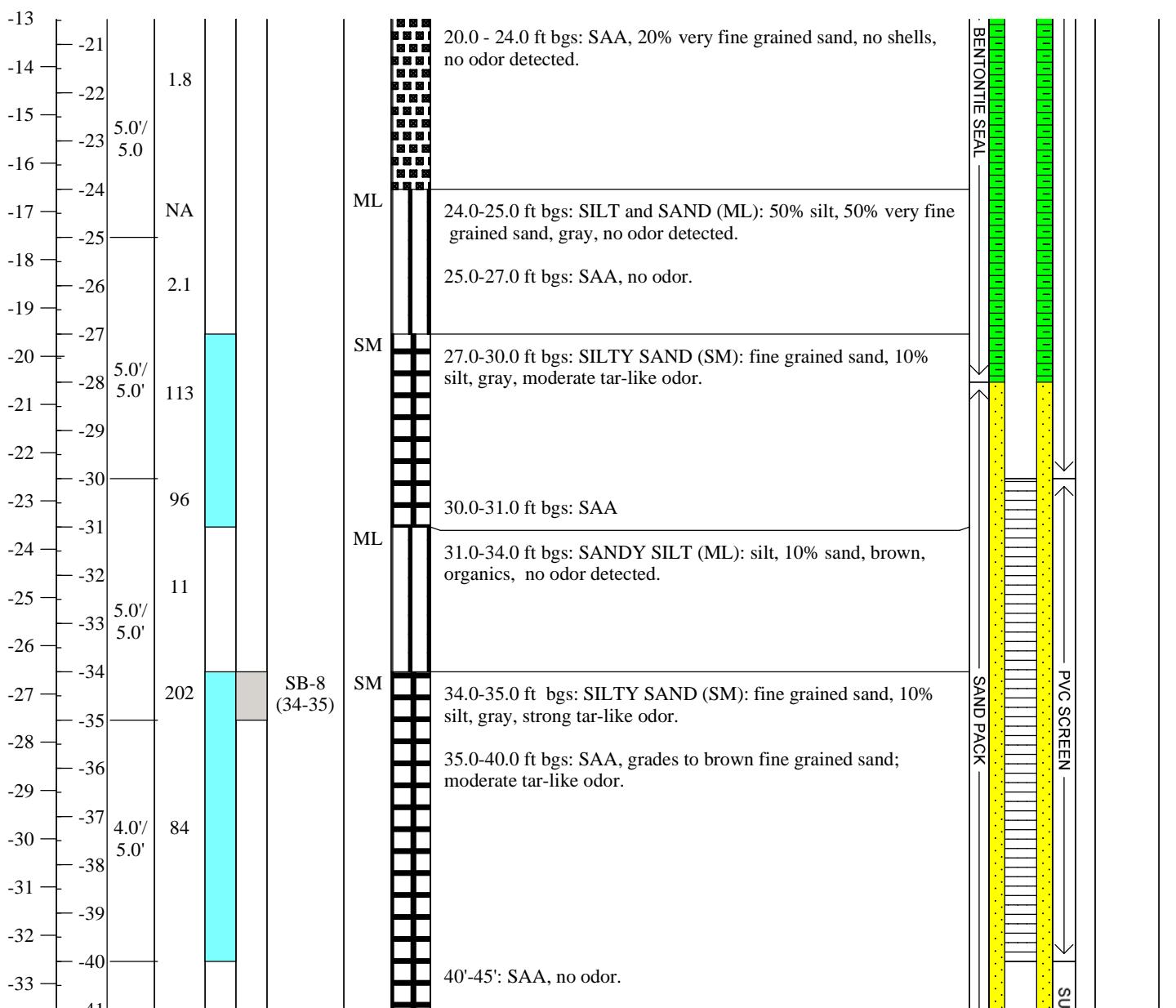
9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 5-4-2010  
**Date Started/Completed:** 5-4-2010/5-5- 2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~4 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 7.46' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-8I/MW-8S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
										I-8 MW MW-8S


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-8I/8S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

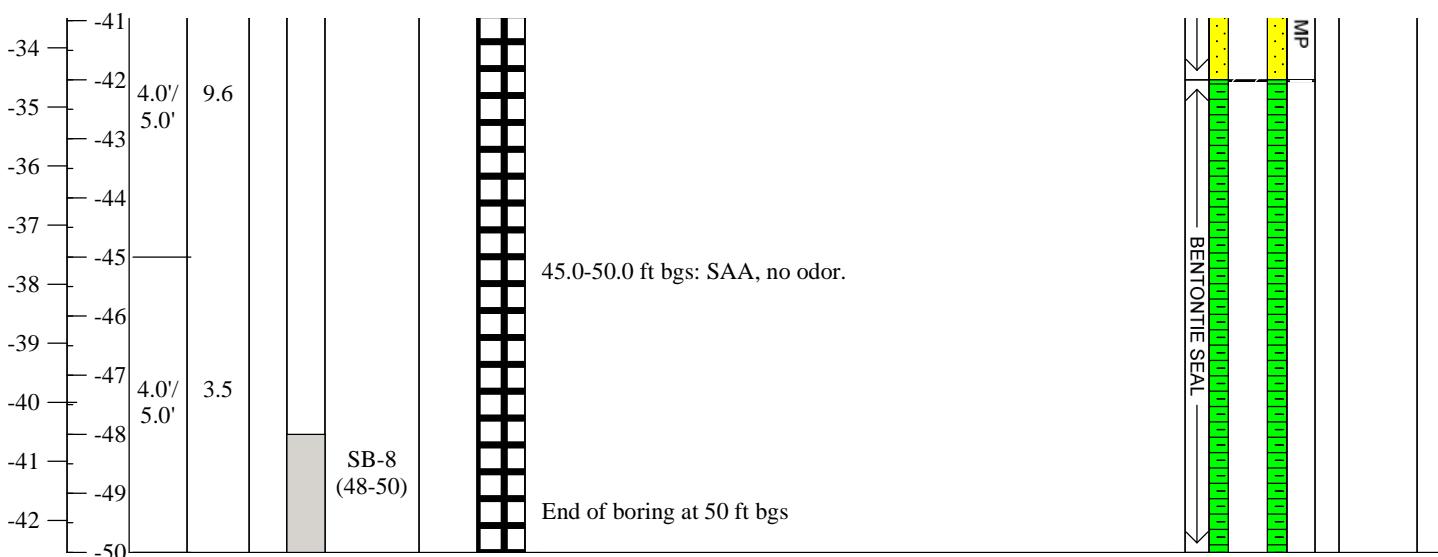
9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 5-4-2010  
**Date Started/Completed:** 5-4-2010/5-5- 2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~4 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 7.46' NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-8I/MW-8S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-8I MW-8S

**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-8I/8S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

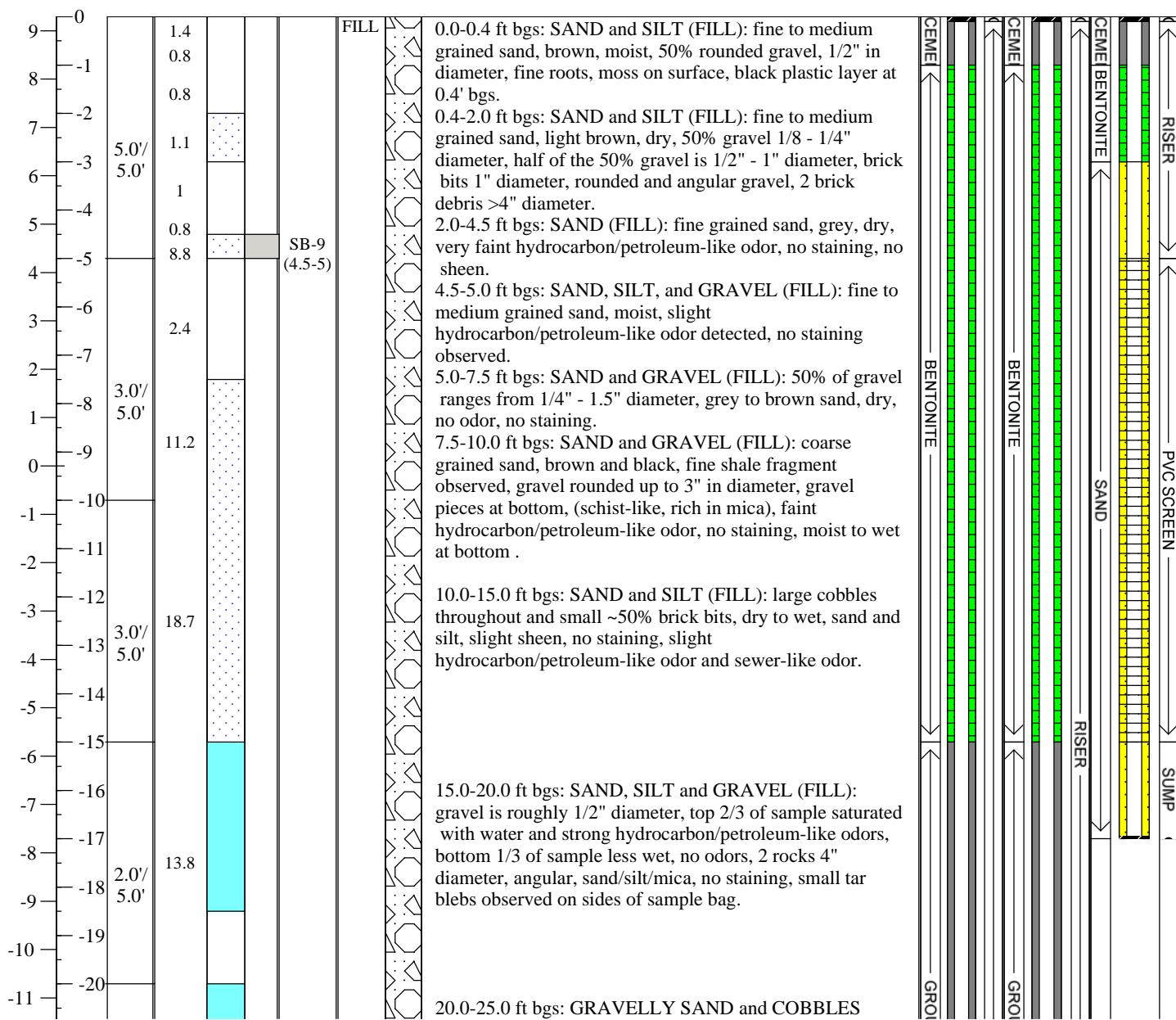
7) PID - Photo Ionization Detector

8) ppm - parts per million

9) NAPL - Non-Aqueous Phase Liquid

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~9 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 80 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5 ft disposable plastic liner	<b>Ground Elevation:</b> 9.29'(I/D) 9.36'(S) NAVD88
<b>Date Pre-Cleared:</b> 9-14-10	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> YES
<b>Date Started/Completed:</b> 9-15-2010/9-17-2010	<b>Logged By:</b> Jennifer Pfieffer/Jessica Ehlen	<b>Well ID:</b> MW-9D/MW-9I/MW-9S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW - 9D   9 MW - 9I MW - 9S


**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) Boring was converted into Monitoring Well: MW-9D/9I/9S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

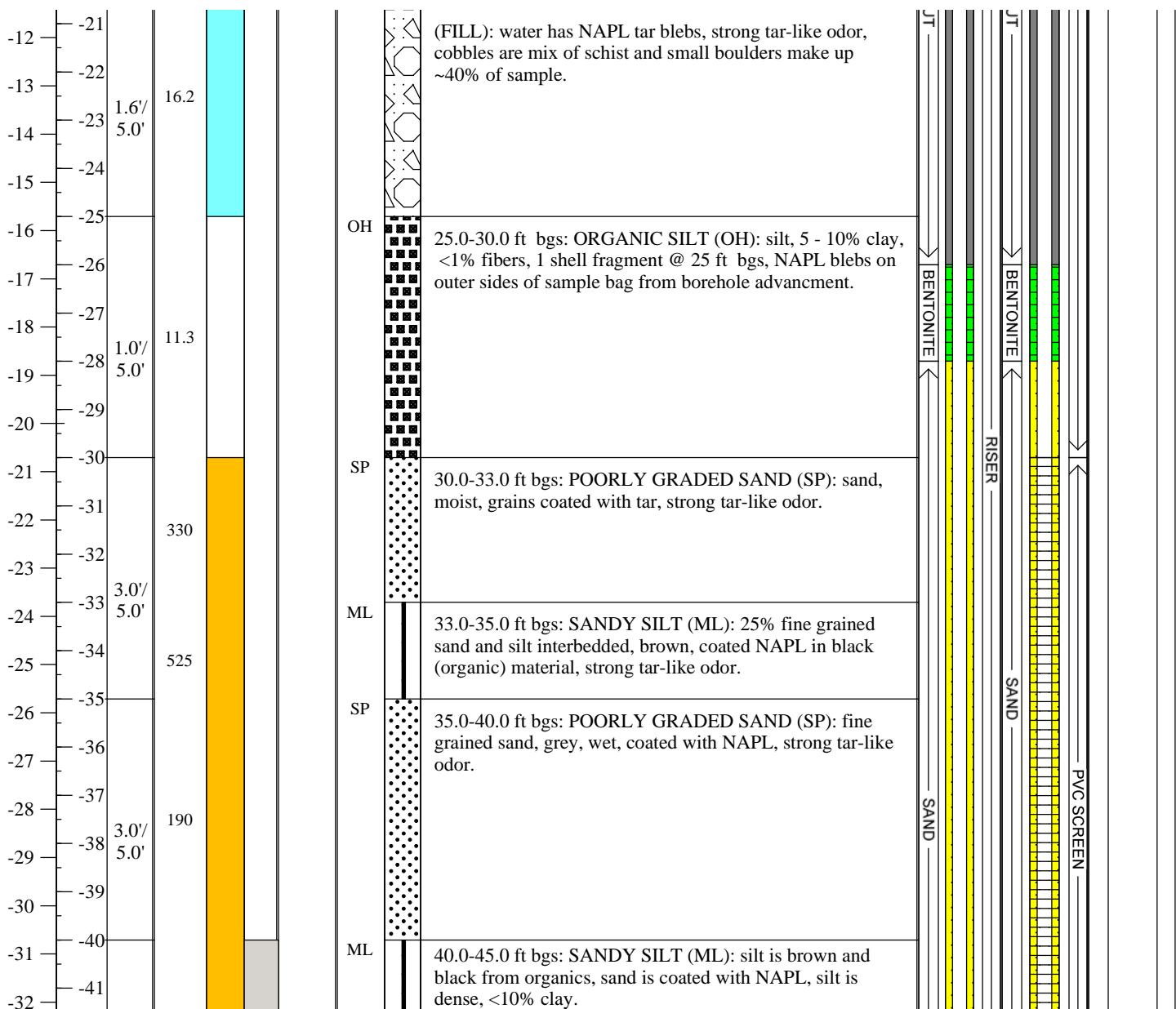
8) ppm - parts per million

9) NAPL - Non-Aqueous Phase Liquid

10) NR- no recovery

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~9 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 80 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5 ft disposable plastic liner	<b>Ground Elevation:</b> 9.29'(I/D) 9.36'(S) NAVD88
<b>Date Pre-Cleared:</b> 9-14-10	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> YES
<b>Date Started/Completed:</b> 9-15-2010/9-17-2010	<b>Logged By:</b> Jennifer Pfieffer/Jessica Ehlen	<b>Well ID:</b> MW-9D/MW-9I/MW-9S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW - 9D MW - 9I MW - 9S

**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) Boring was converted into Monitoring Well: MW-9D/9I/9S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 10) NR- no recovery

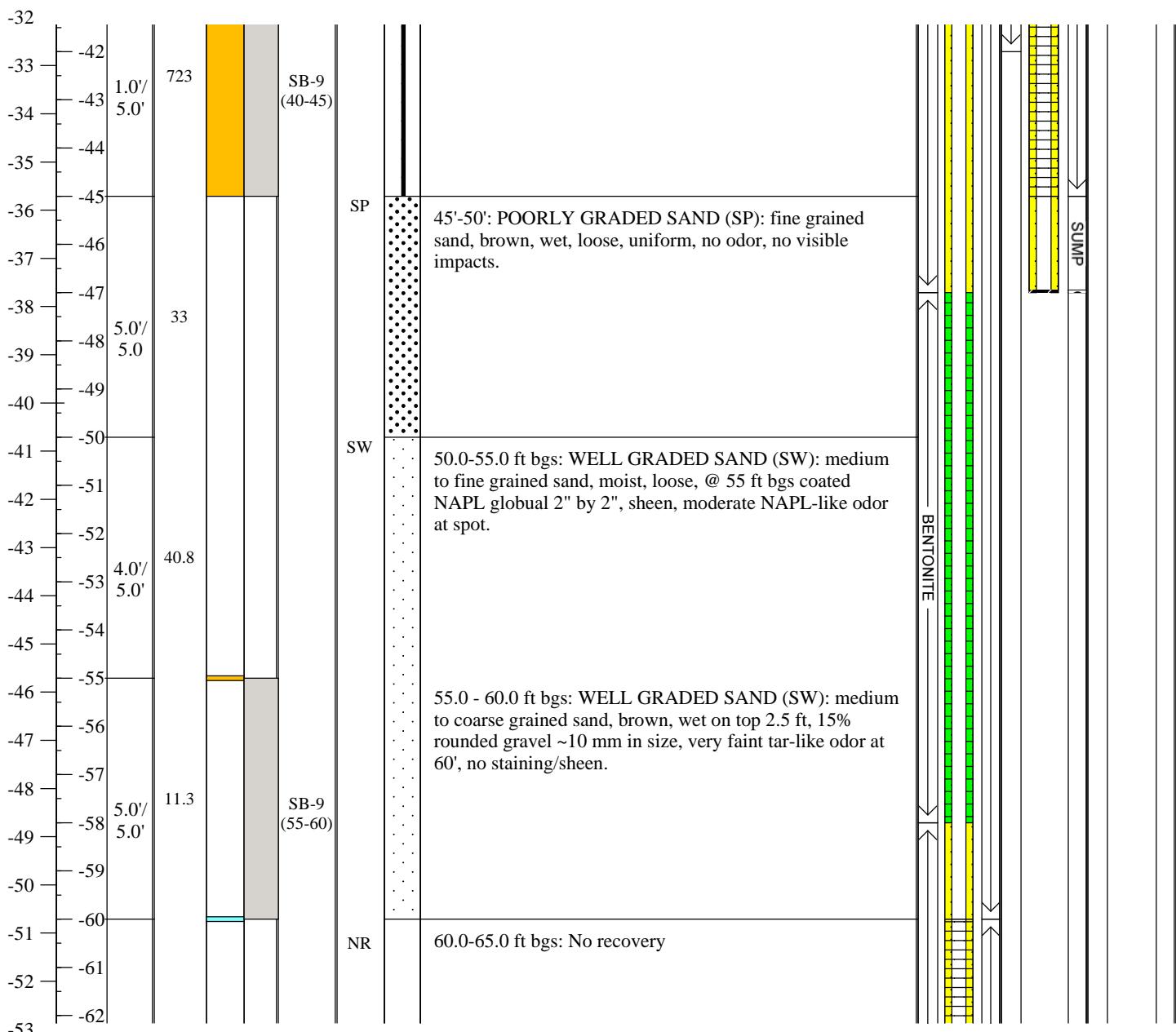
**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 9-14-10  
**Date Started/Completed:** 9-15-2010/9-17-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5 ft disposable plastic liner  
**Boring Diameter:** 8"

**Logged By:** Jennifer Pfieffer/Jessica Ehlen

**Water Level:** ~9 ft bgs  
**Total Depth:** 80 ft bgs  
**Ground Elevation:** 9.29'(I/D) 9.36'(S) NAVD88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-9D/MW-9I/MW-9S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW - 9D

**Notes:**

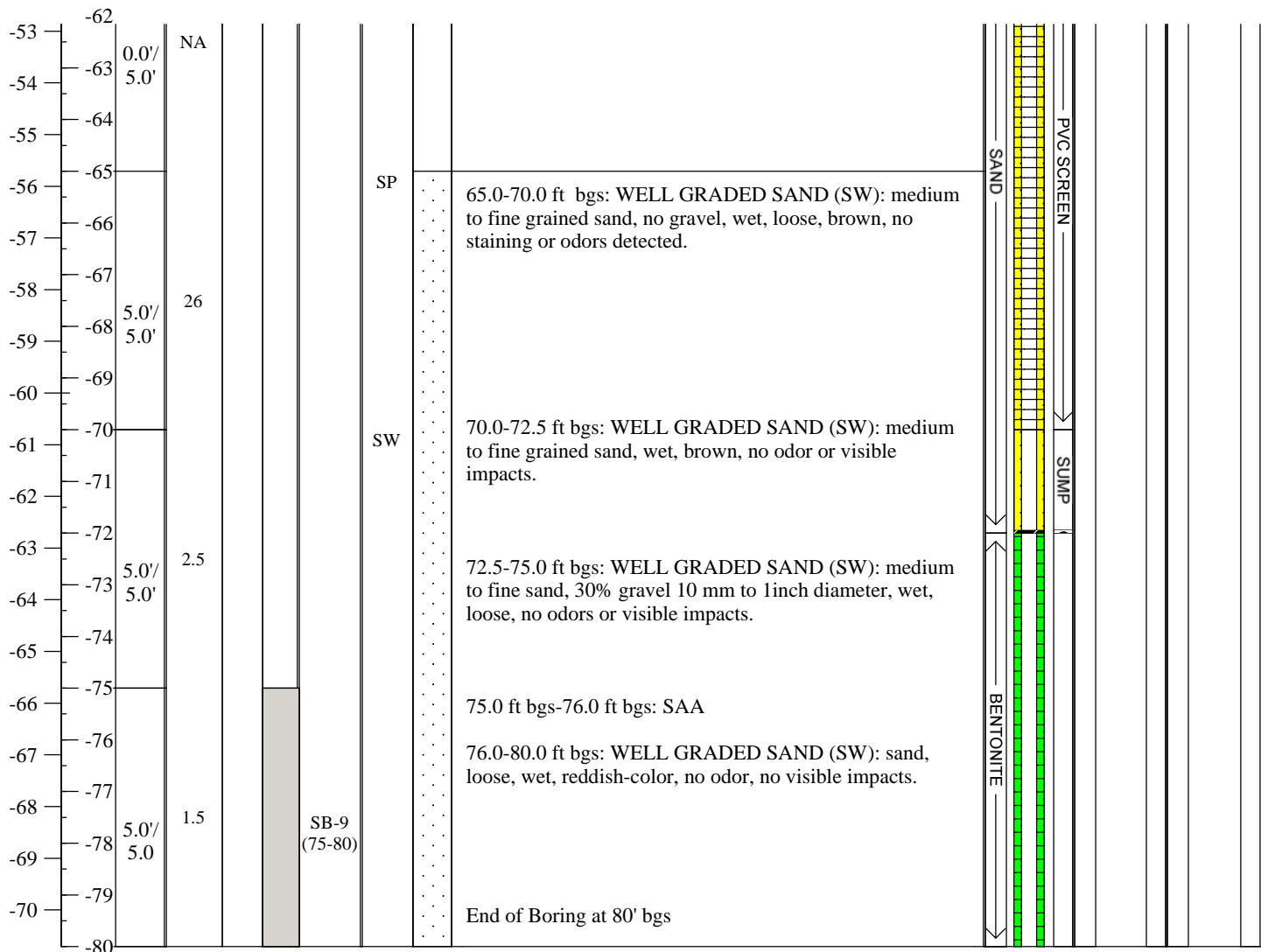
- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) Boring was converted into Monitoring Well: MW-9D/9I/9S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 6) SAA - Same As Above
  - 7) PID - Photo Ionization Detector
  - 8) ppm - parts per million
  - 9) NAPL - Non-Aqueous Phase Liquid
  - 10) NR- no recovery
- 1) NA - Not Applicable
  - 2) ft - feet
  - 3) bgs - below ground surface
  - 4) U.S.C.S.- Unified Soil Classification System
  - 5) NAVD 88 - North American Vertical Datum of 1988

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~9 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 80 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5 ft disposable plastic liner	<b>Ground Elevation:</b> 9.29'(I/D) 9.36'(S) NAVD88
<b>Date Pre-Cleared:</b> 9-14-10	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> YES
<b>Date Started/Completed:</b> 9-15-2010/9-17-2010	<b>Logged By:</b> Jennifer Pfieffer/Jessica Ehlen	<b>Well ID:</b> MW-9D/MW-9I/MW-9S

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
										MW - 9D MW - 9I MW - 9S

**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) Boring was converted into Monitoring Well: MW-9D/9I/9S
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

9) NAPL - Non-Aqueous Phase Liquid

10) NR- no recovery



# Boring ID: SB-10

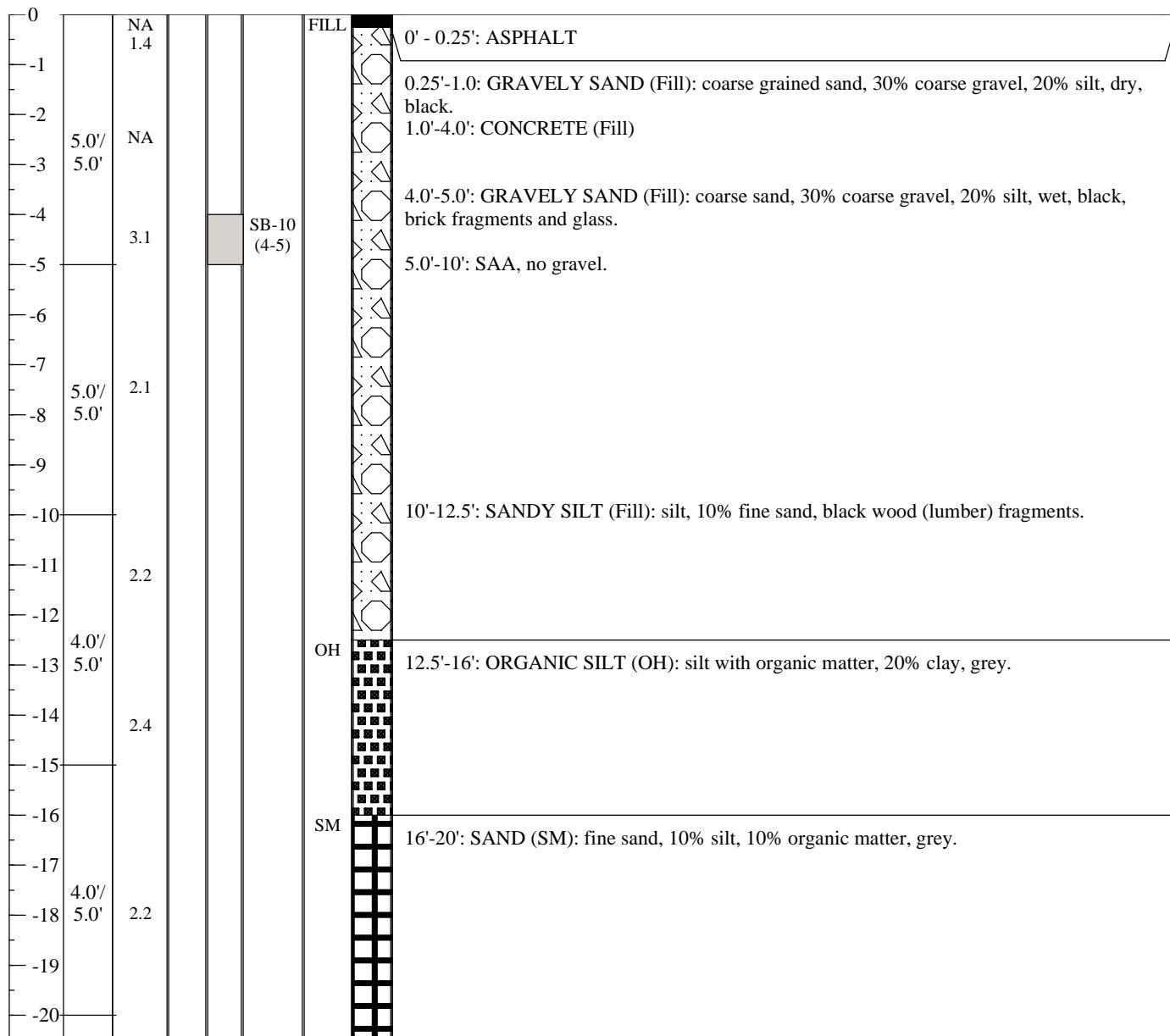
Page 1 of 3

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-15-2010  
**Date Started/Completed:** 4-15-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~4 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 9.27' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

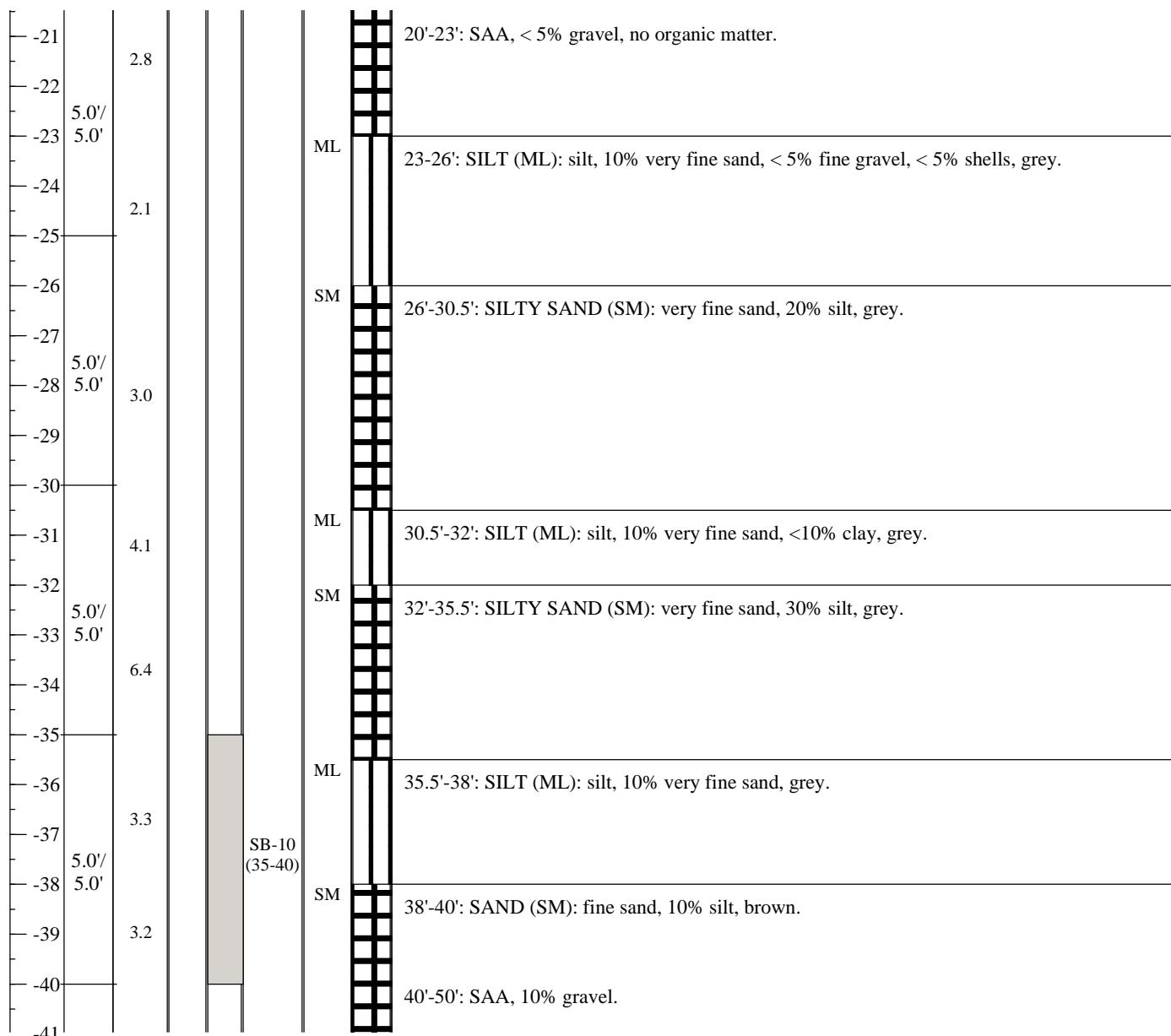
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-15-2010  
**Date Started/Completed:** 4-15-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~4 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 9.27' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

9) NAPL - Non-Aqueous Phase Liquid



# Boring ID: SB-10

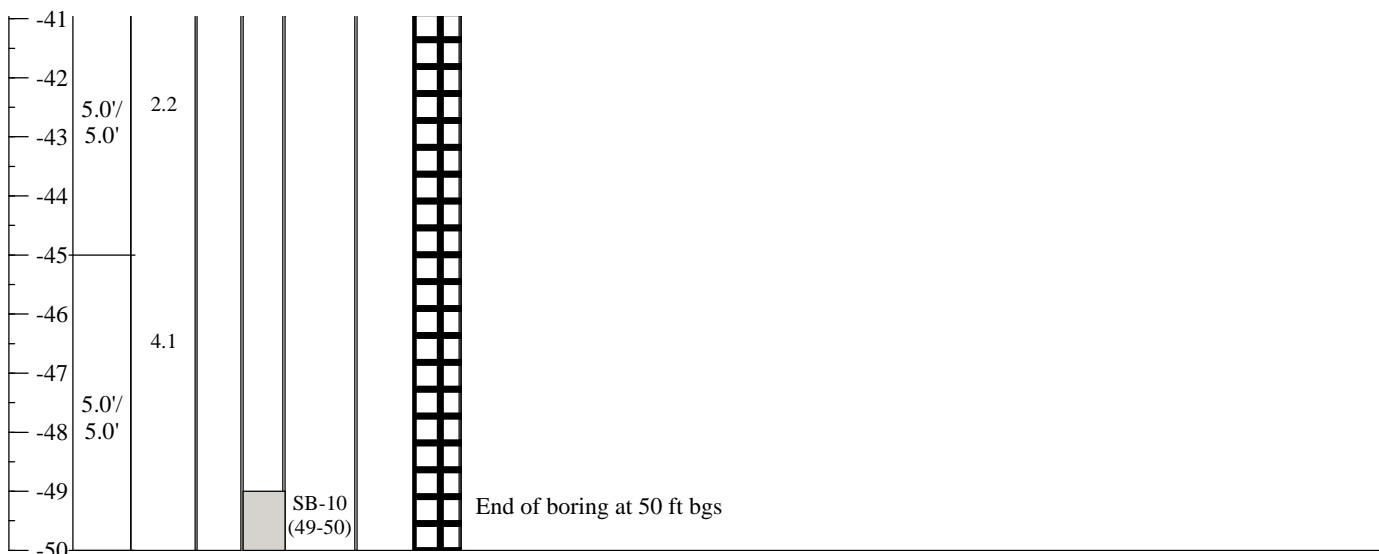
Page 3 of 3

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-15-2010  
**Date Started/Completed:** 4-15-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~4 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 9.27' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
-41								

**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid



# Boring ID: SB-11

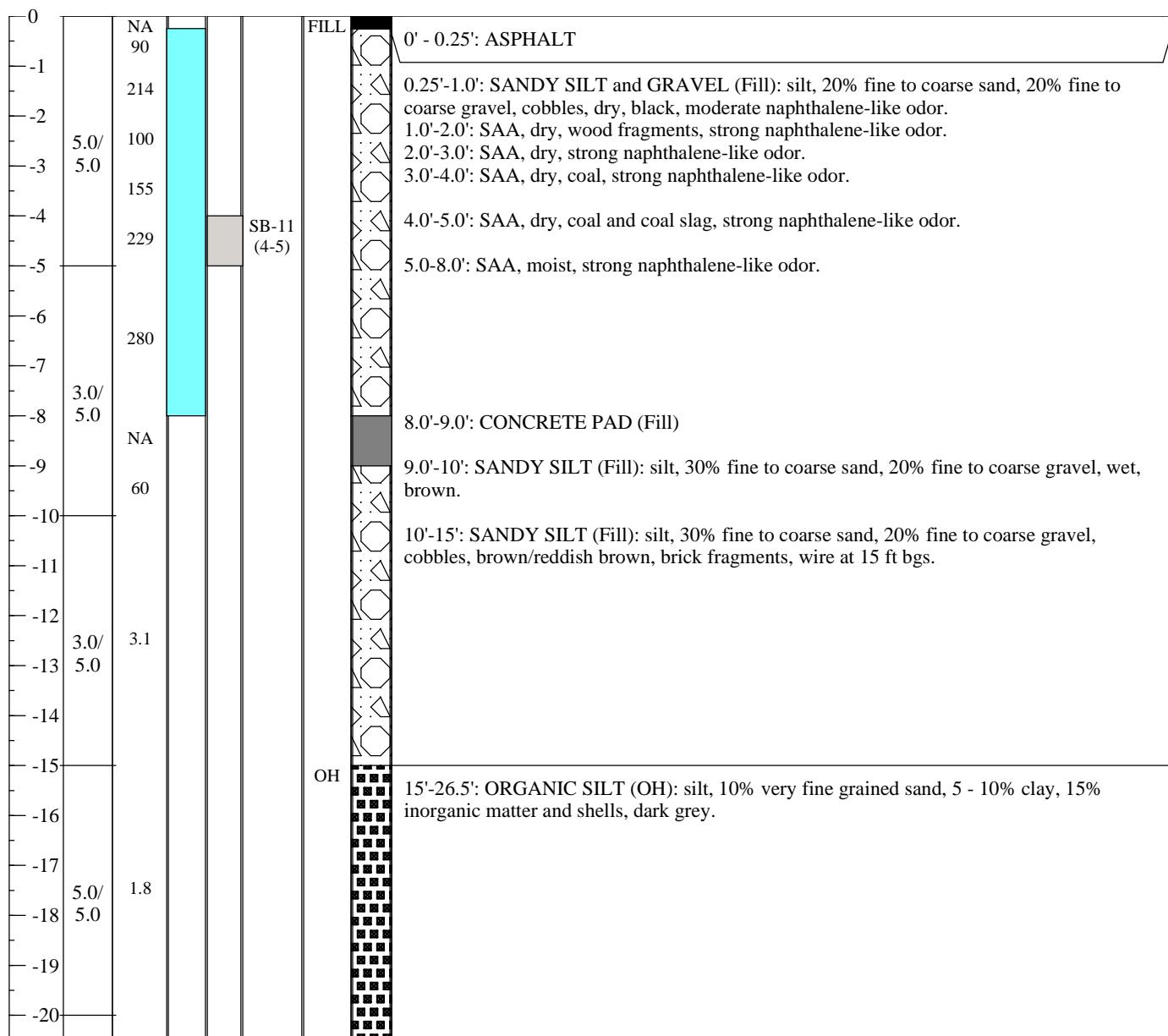
Page 1 of 3

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-19-2010  
**Date Started/Completed:** 4-19-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~5 ft bgs  
**Total Depth:** 60 ft bgs  
**Ground Elevation:** 9.44' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

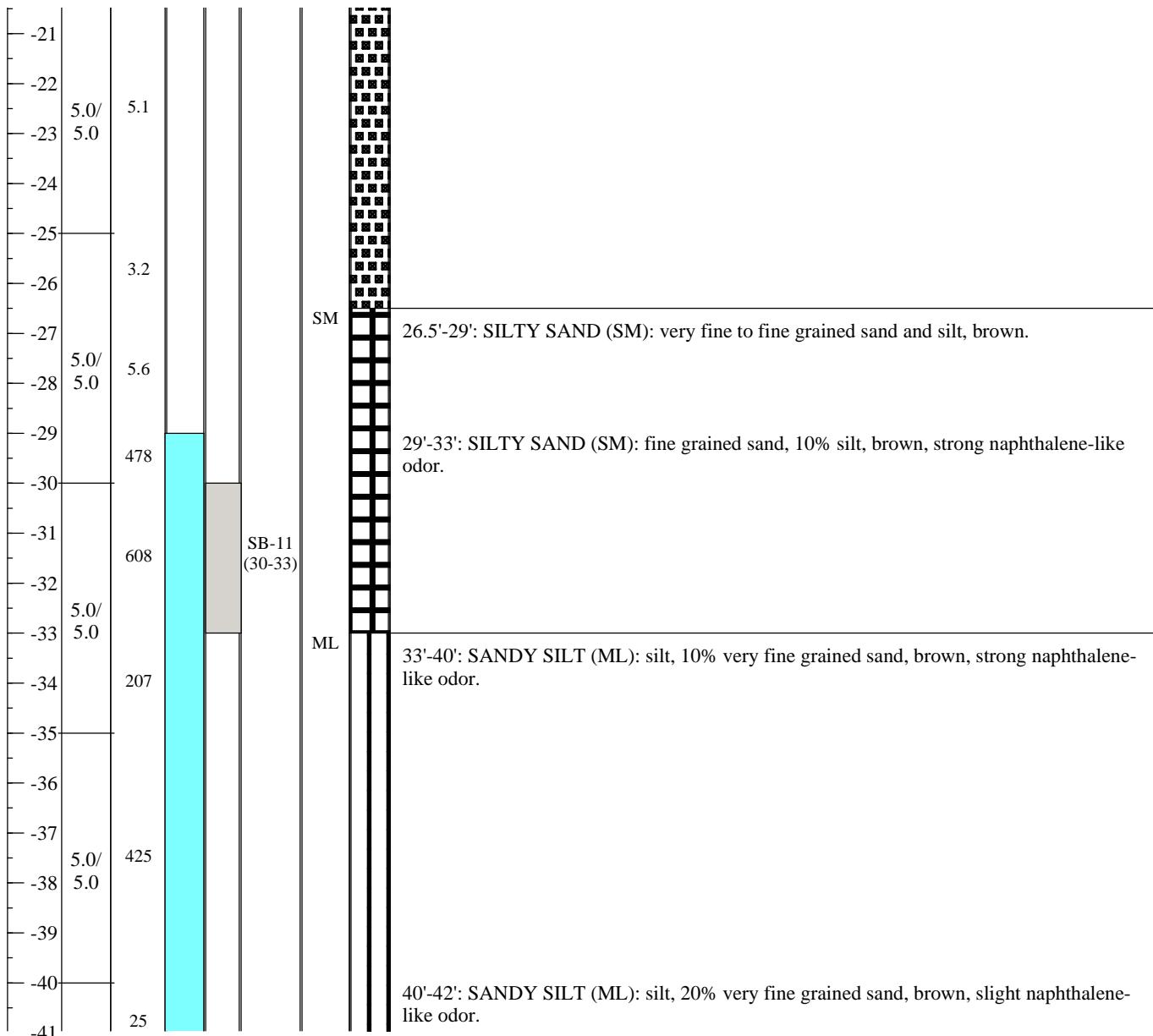
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-19-2010  
**Date Started/Completed:** 4-19-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~5 ft bgs  
**Total Depth:** 60 ft bgs  
**Ground Elevation:** 9.44' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

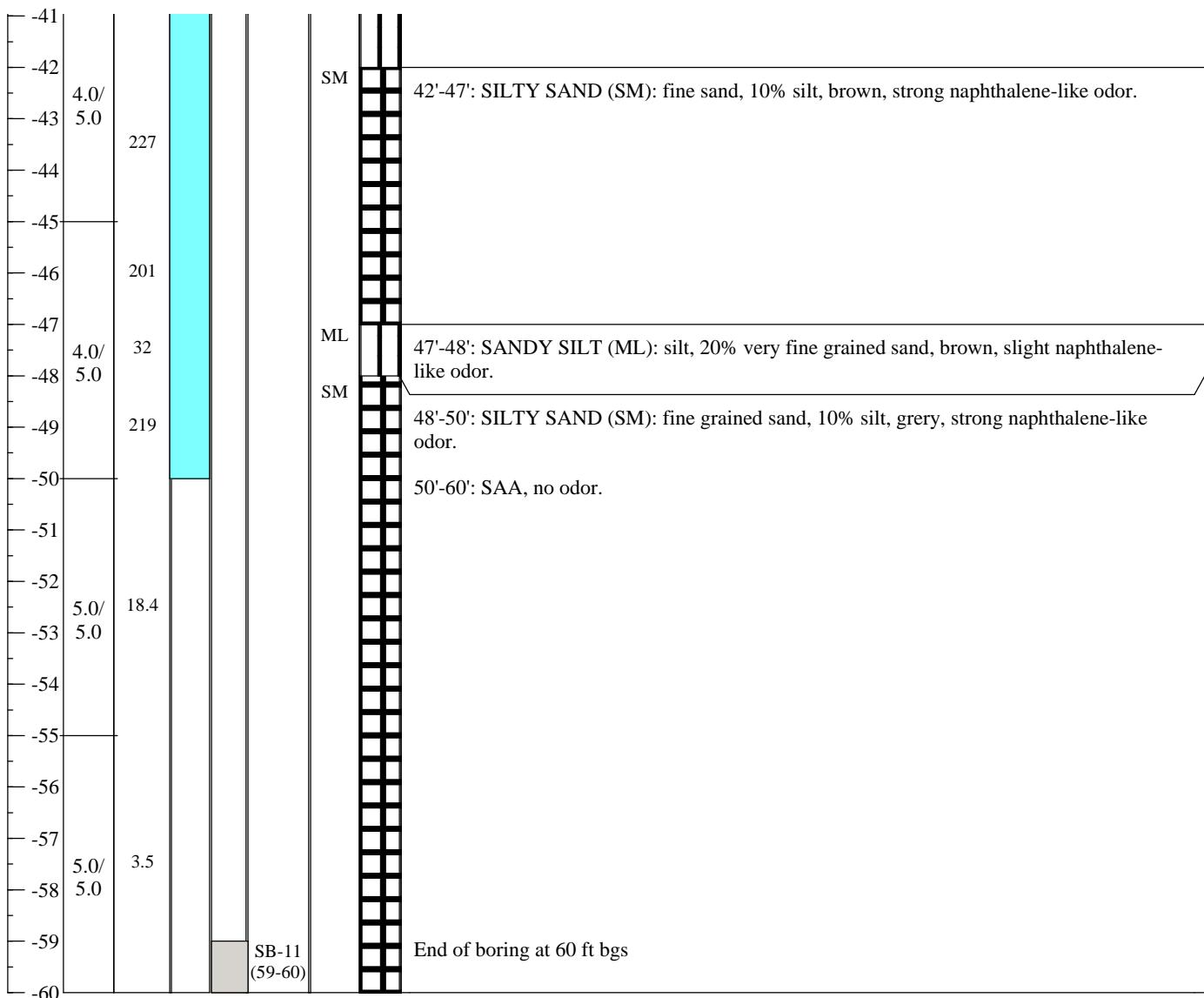
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-19-2010  
**Date Started/Completed:** 4-19-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~5 ft bgs  
**Total Depth:** 60 ft bgs  
**Ground Elevation:** 9.44' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

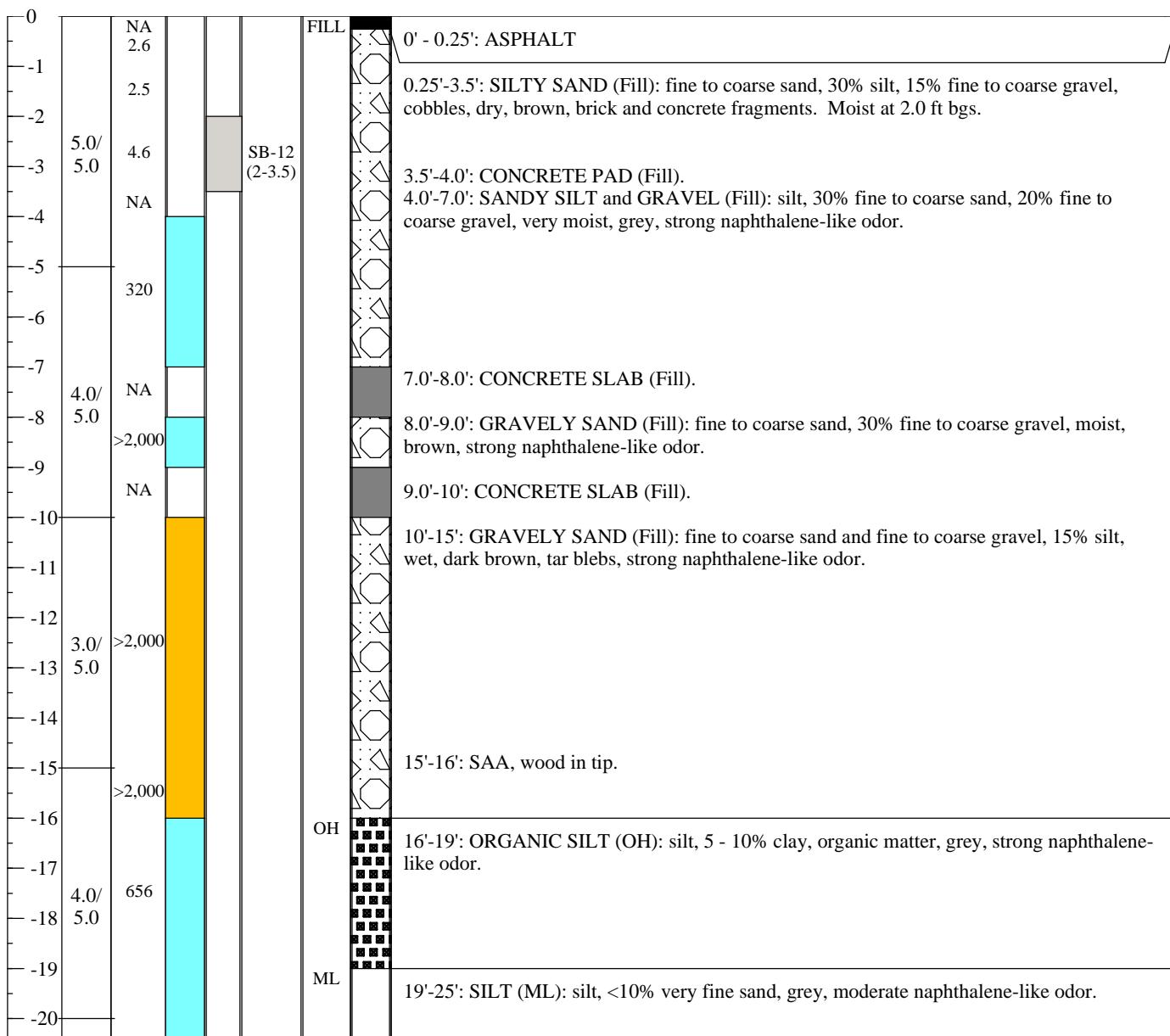
9) NAPL - Non-Aqueous Phase Liquid



**Boring ID:** SB-12

Page 1 of 3

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~4 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 50 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 9.56' NAVD88
<b>Date Pre-Cleared:</b> 4-14-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> NO
<b>Date Started/Completed:</b> 4-14-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> NA



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## Notes•

- Notes:**

  - 1) The location was pre-cleared to 5 ft bgs by hand-digging
  - 2) No Meadow Mat Present
  - 3) Impacts include visual and olfactory

### **Definitions:**

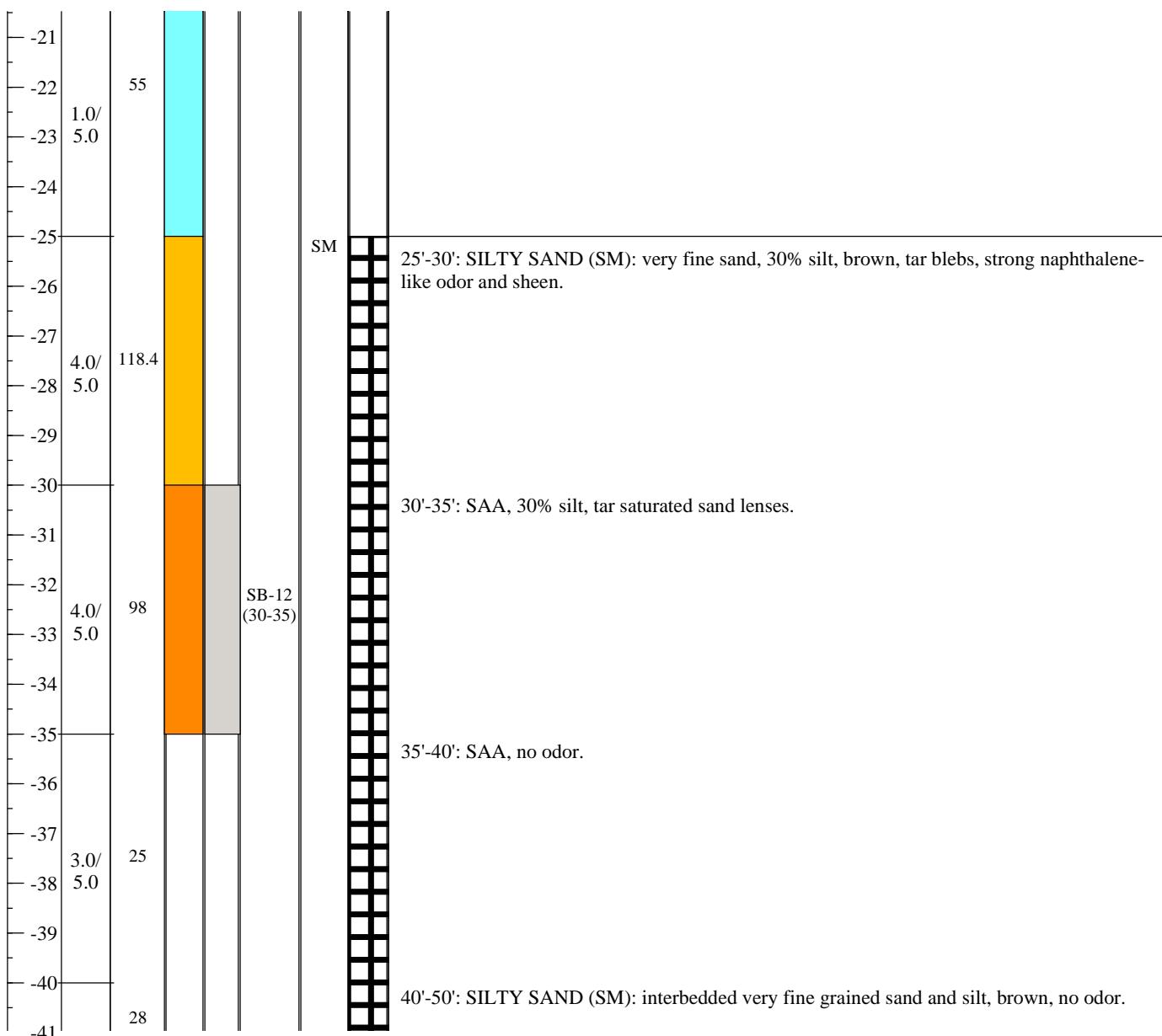
- |  |                                    |
|--|------------------------------------|
| <b>Definitions:</b>                                |                                    |
| 1) NA - Not Applicable                             | 6) SAA - Same As Above             |
| 2) ft - feet                                       | 7) PID - Photo Ionization Detector |
| 3) bgs - below ground surface                      | 8) ppm - parts per million         |
| 4) U.S.C.S. - Unified Soil Classification System   | 9) NAPL - Non-Aqueous Phase Liquid |
| 5) NAVD 88 - North American Vertical Datum of 1988 |                                    |

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-14-2010  
**Date Started/Completed:** 4-14-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~4 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 9.56' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

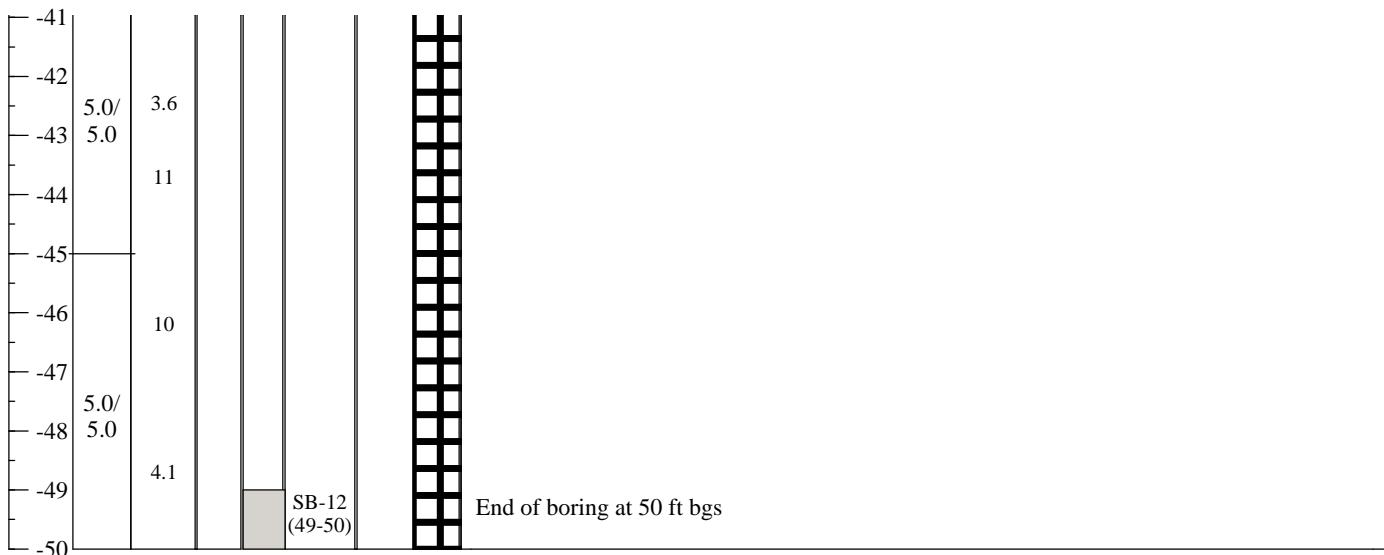
- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~4 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 50 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 9.56' NAVD88
<b>Date Pre-Cleared:</b> 4-14-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> NO
<b>Date Started/Completed:</b> 4-14-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
-41								

**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

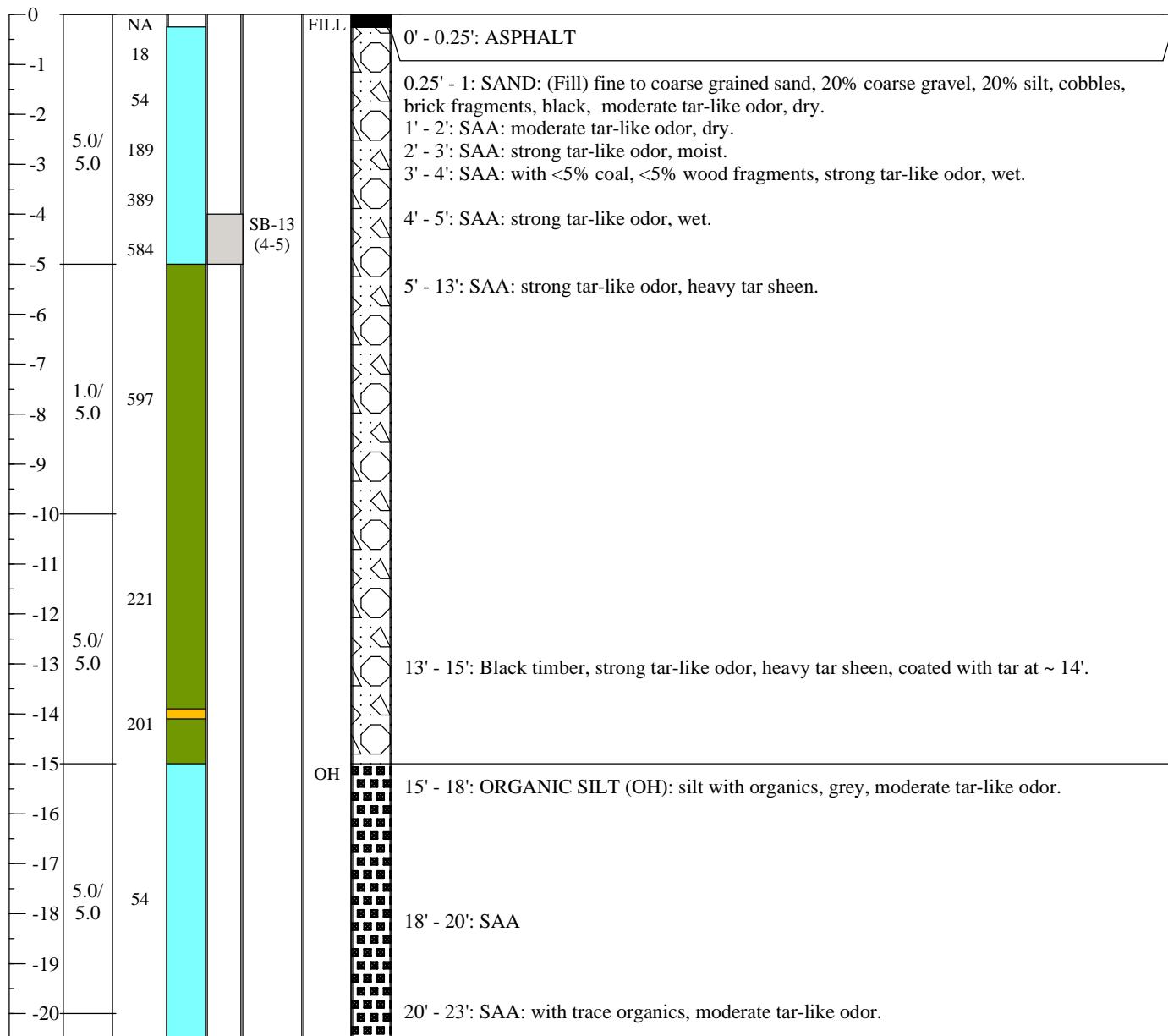
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-14-2010  
**Date Started/Completed:** 4-14-2010/4-15-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** 3 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 8.42' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

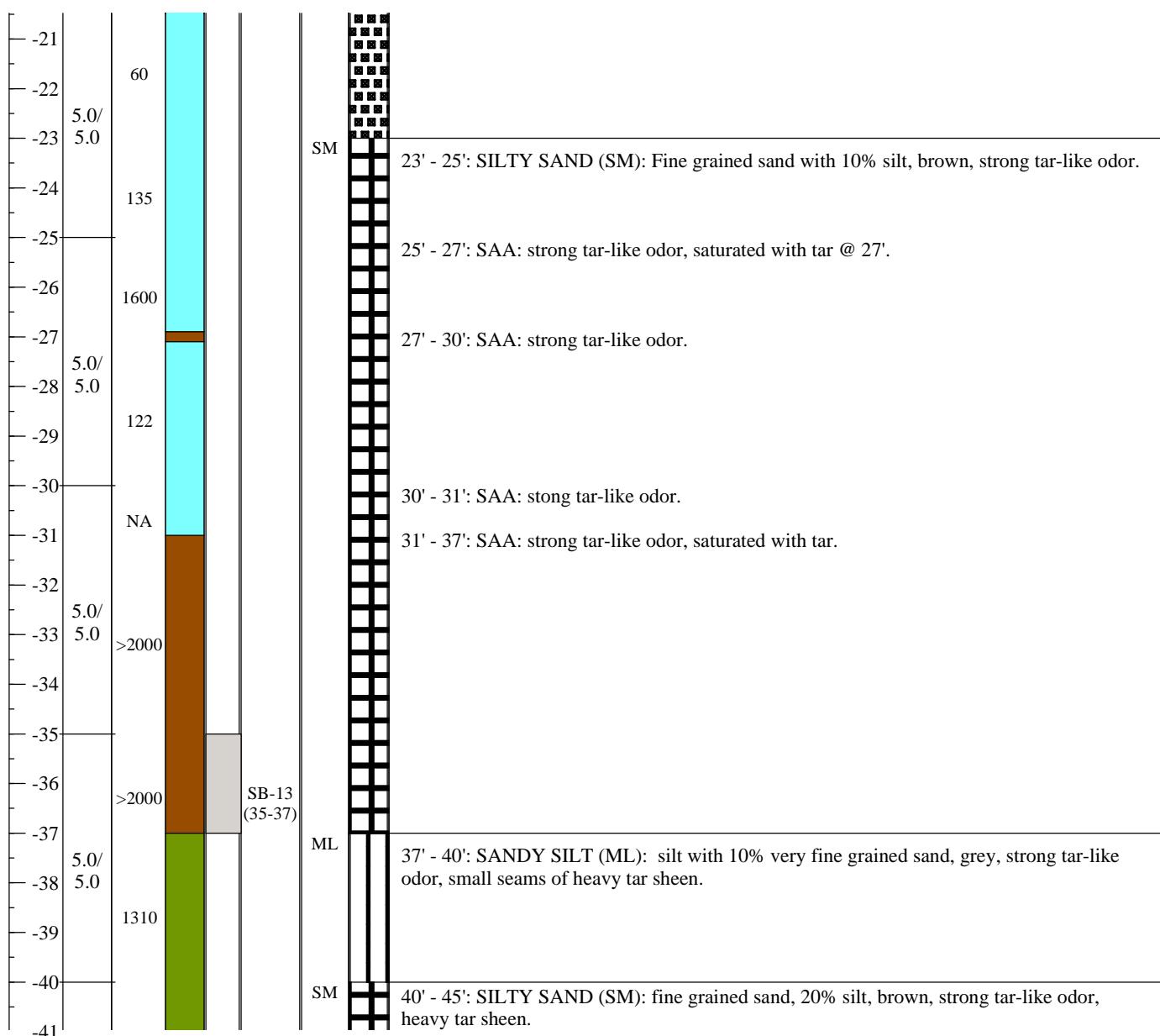
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-14-2010  
**Date Started/Completed:** 4-14-2010/4-15-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** 3 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 8.42' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

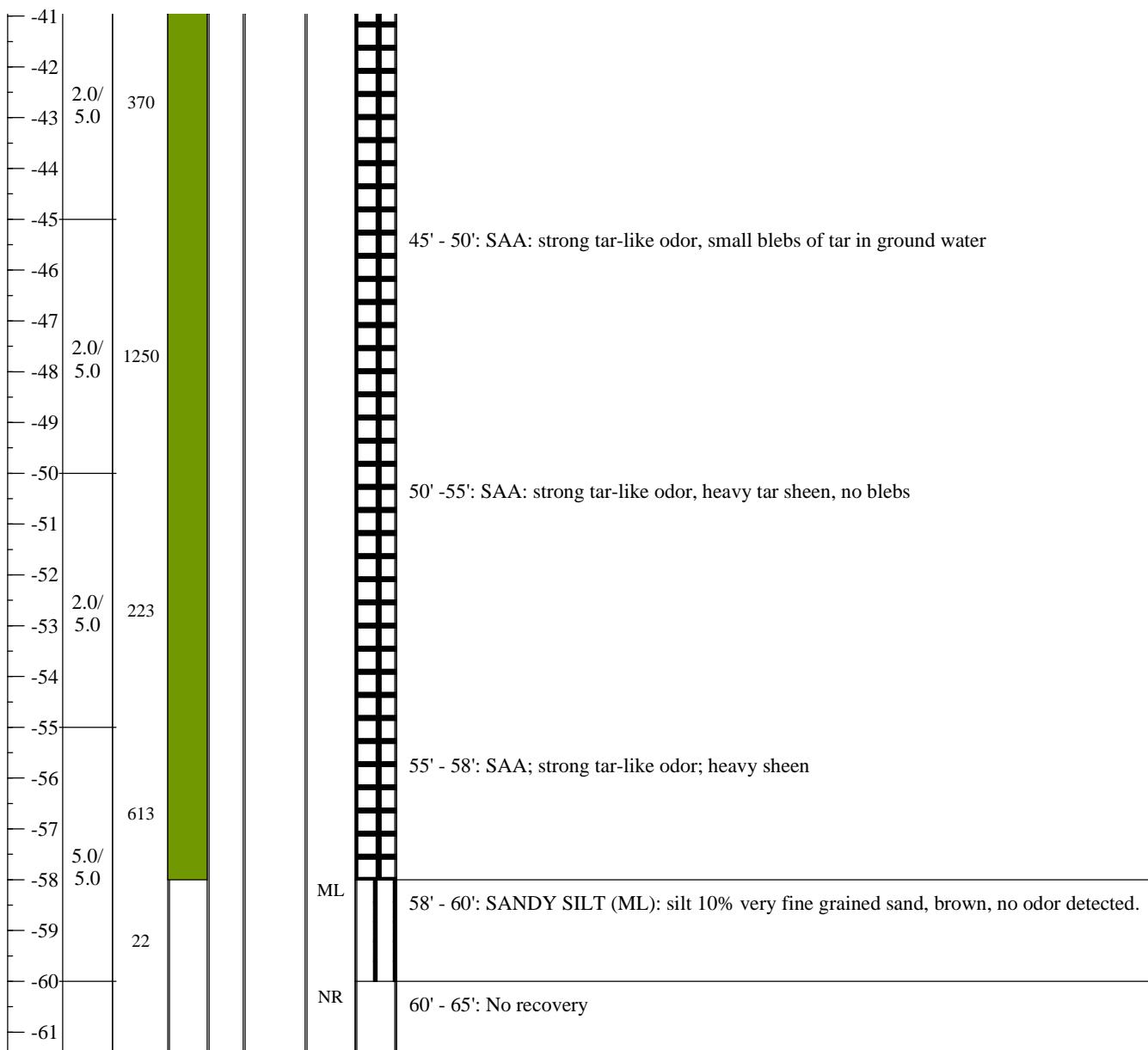
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-14-2010  
**Date Started/Completed:** 4-14-2010/4-15-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** 3 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 8.42' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988



# Boring ID: SB-13

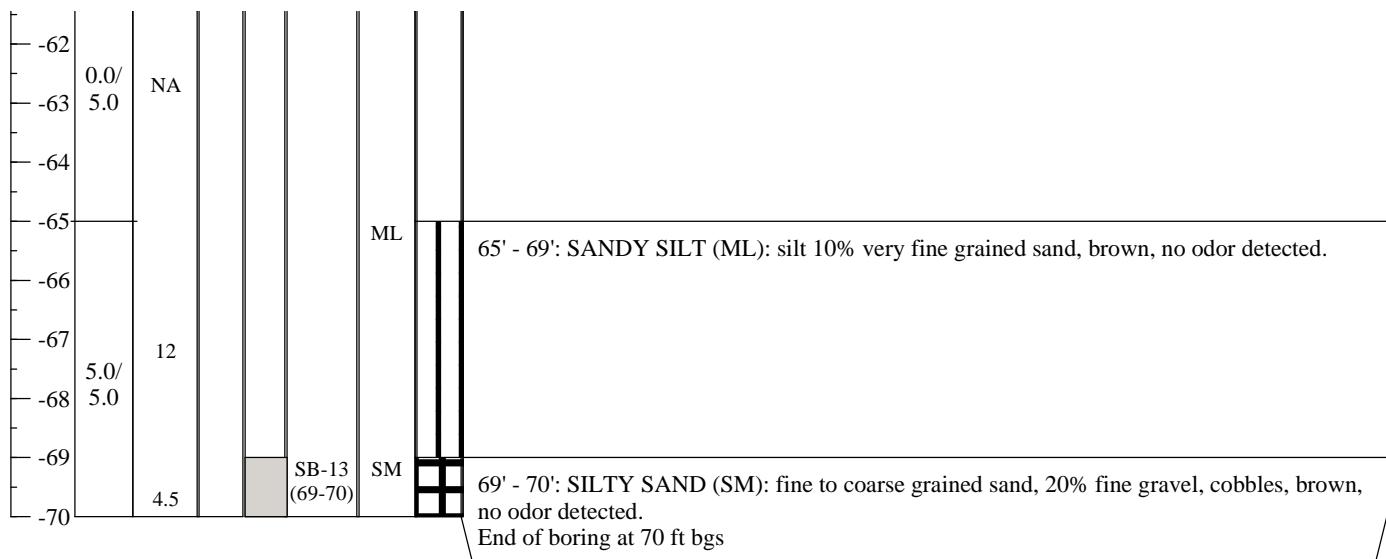
Page 4 of 4

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-14-2010  
**Date Started/Completed:** 4-14-2010/4-15-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** 3 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 8.42' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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## Notes:

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

## Definitions:

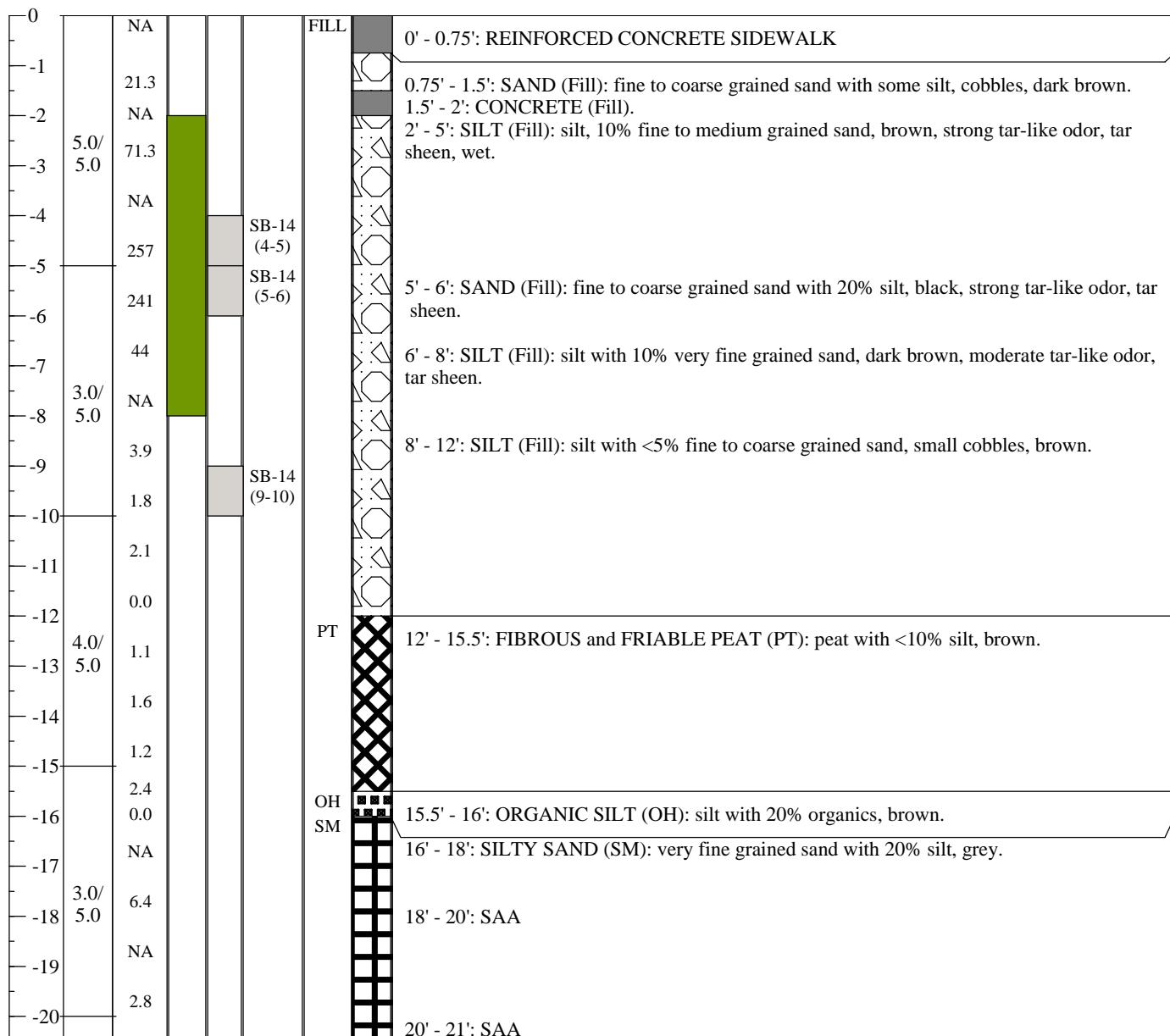
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4/1/2010  
**Date Started/Completed:** 4-1-2010/4-2-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** 1 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 9.23' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

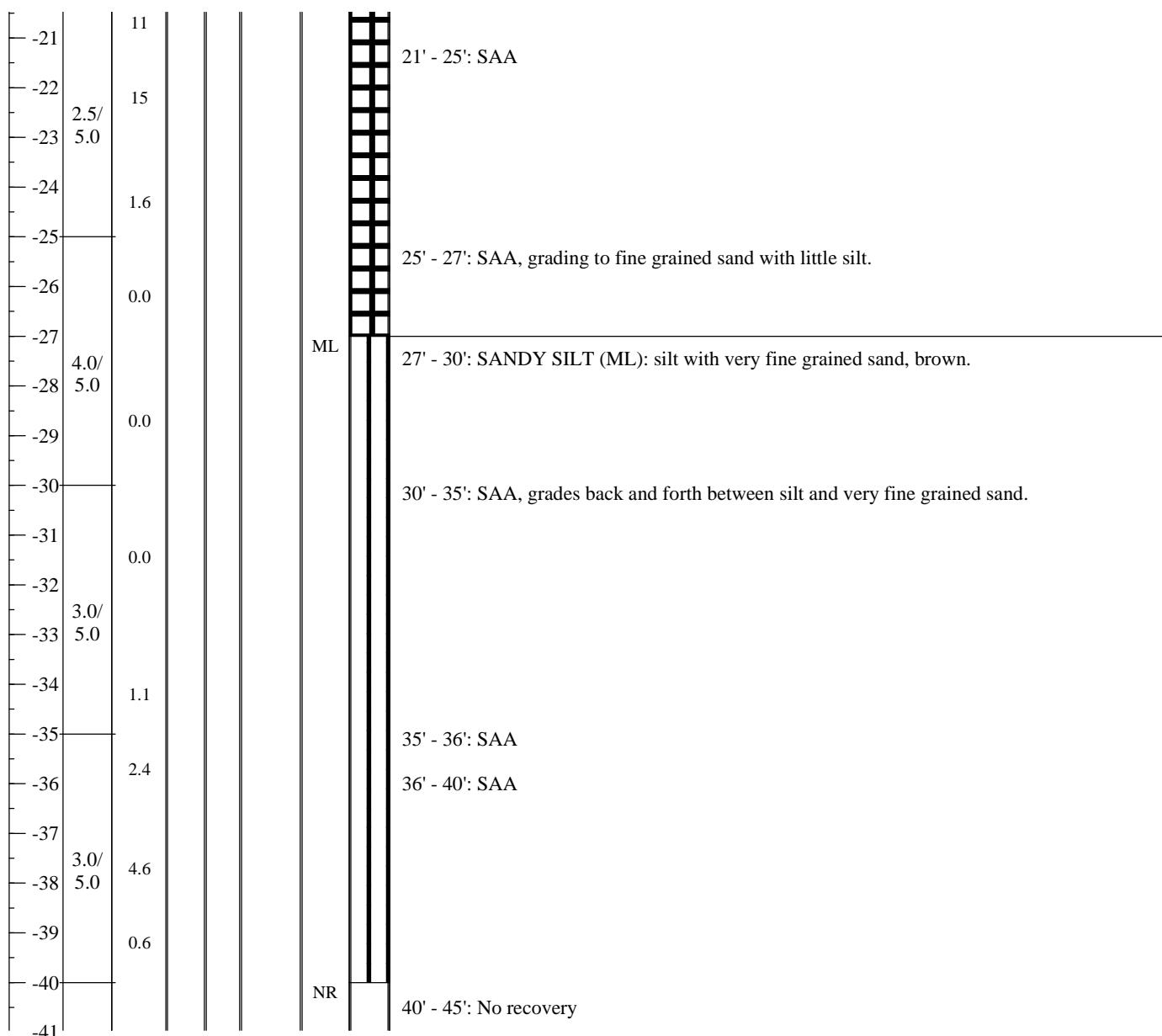


# Boring ID: SB-14

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<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> 1 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 70 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 9.23' NAVD88
<b>Date Pre-Cleared:</b> 4/1/2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> NO
<b>Date Started/Completed:</b> 4-1-2010/4-2-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
-21	11							21' - 25': SAA

**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

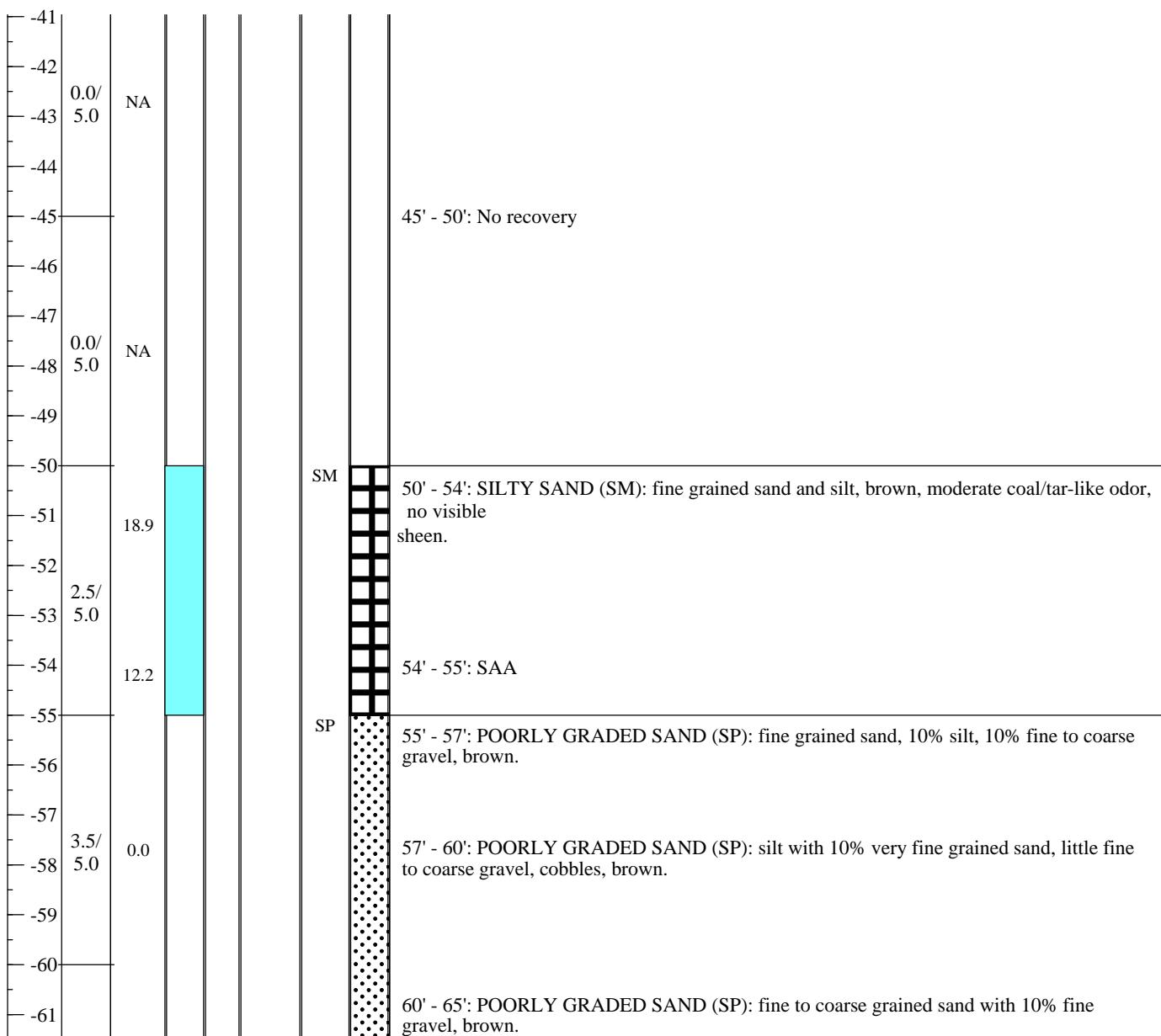
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4/1/2010  
**Date Started/Completed:** 4-1-2010/4-2-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** 1 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 9.23' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

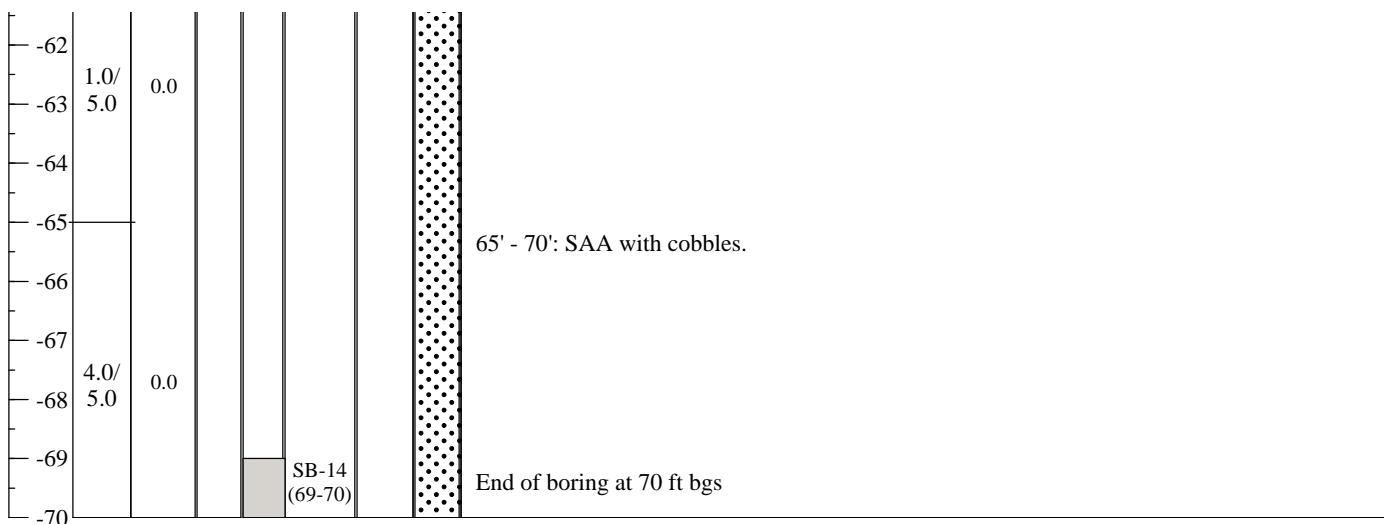


# Boring ID: SB-14

Page 4 of 4

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> 1 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 70 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 9.23' NAVD88
<b>Date Pre-Cleared:</b> 4/1/2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> NO
<b>Date Started/Completed:</b> 4-1-2010/4-2-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
-62	1.0/ 5.0	0.0						

**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

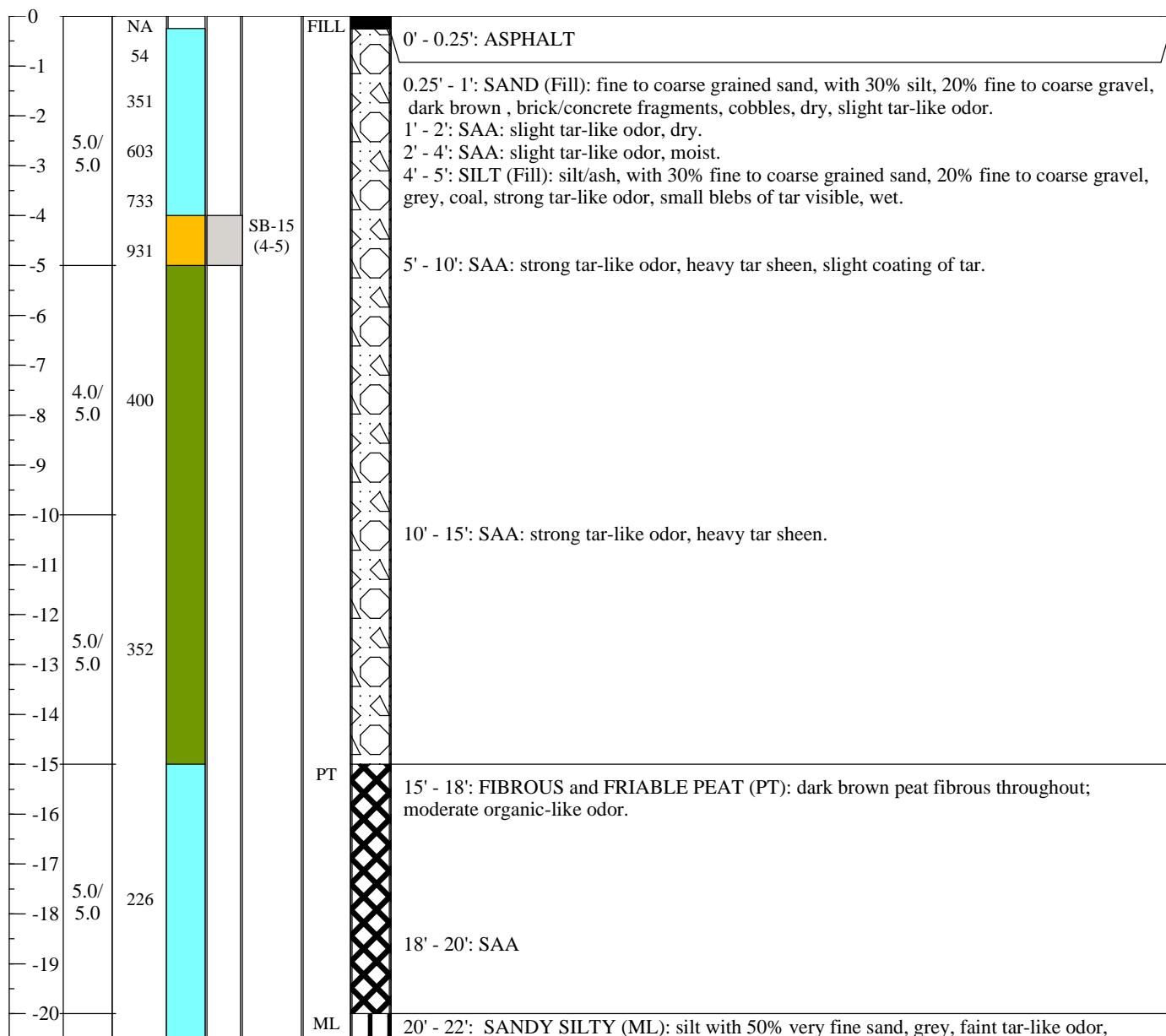
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-14-2010  
**Date Started/Completed:** 4-14-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** 3 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 11.46' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

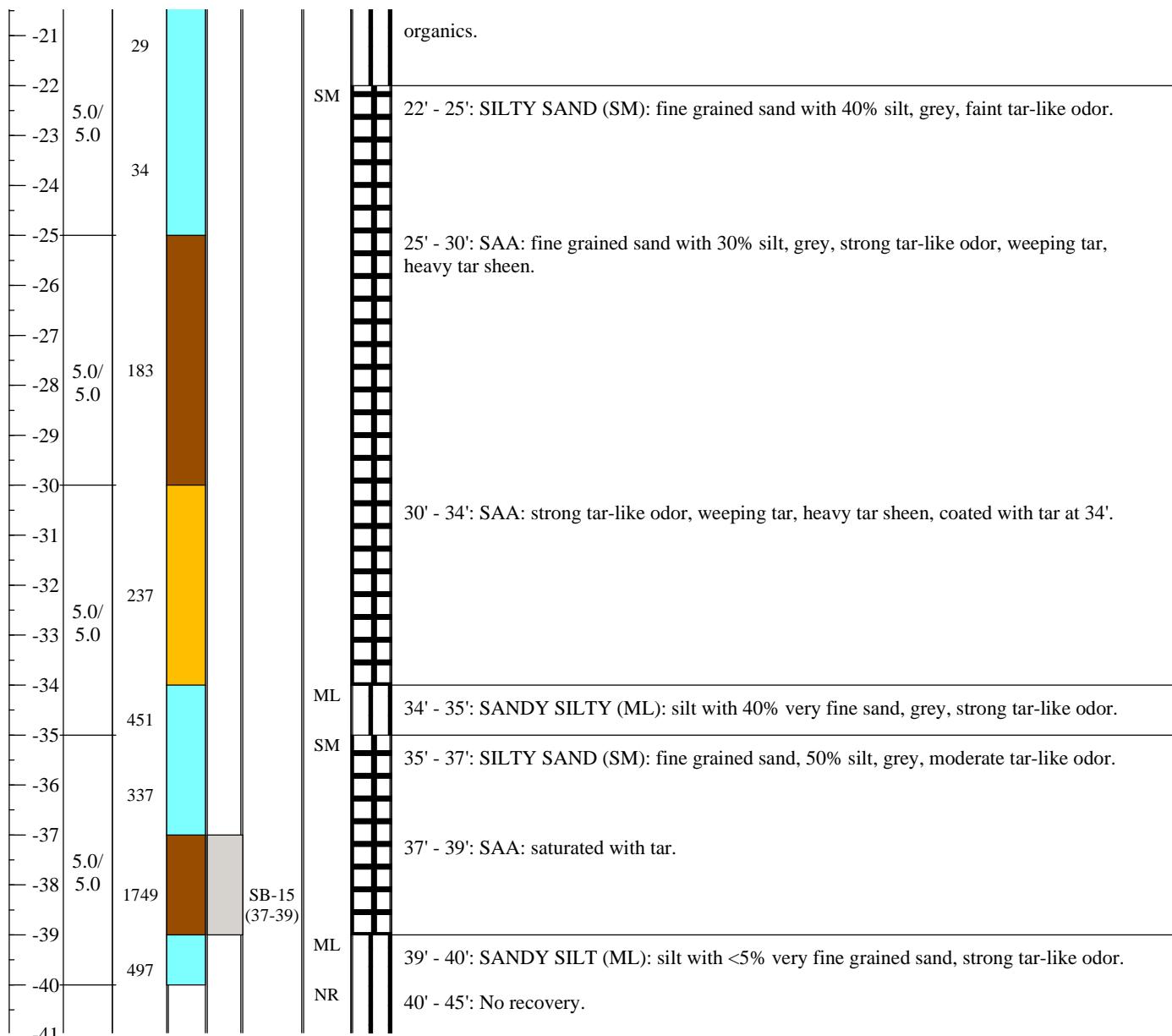
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-14-2010  
**Date Started/Completed:** 4-14-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** 3 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 11.46' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988



# Boring ID: SB-15

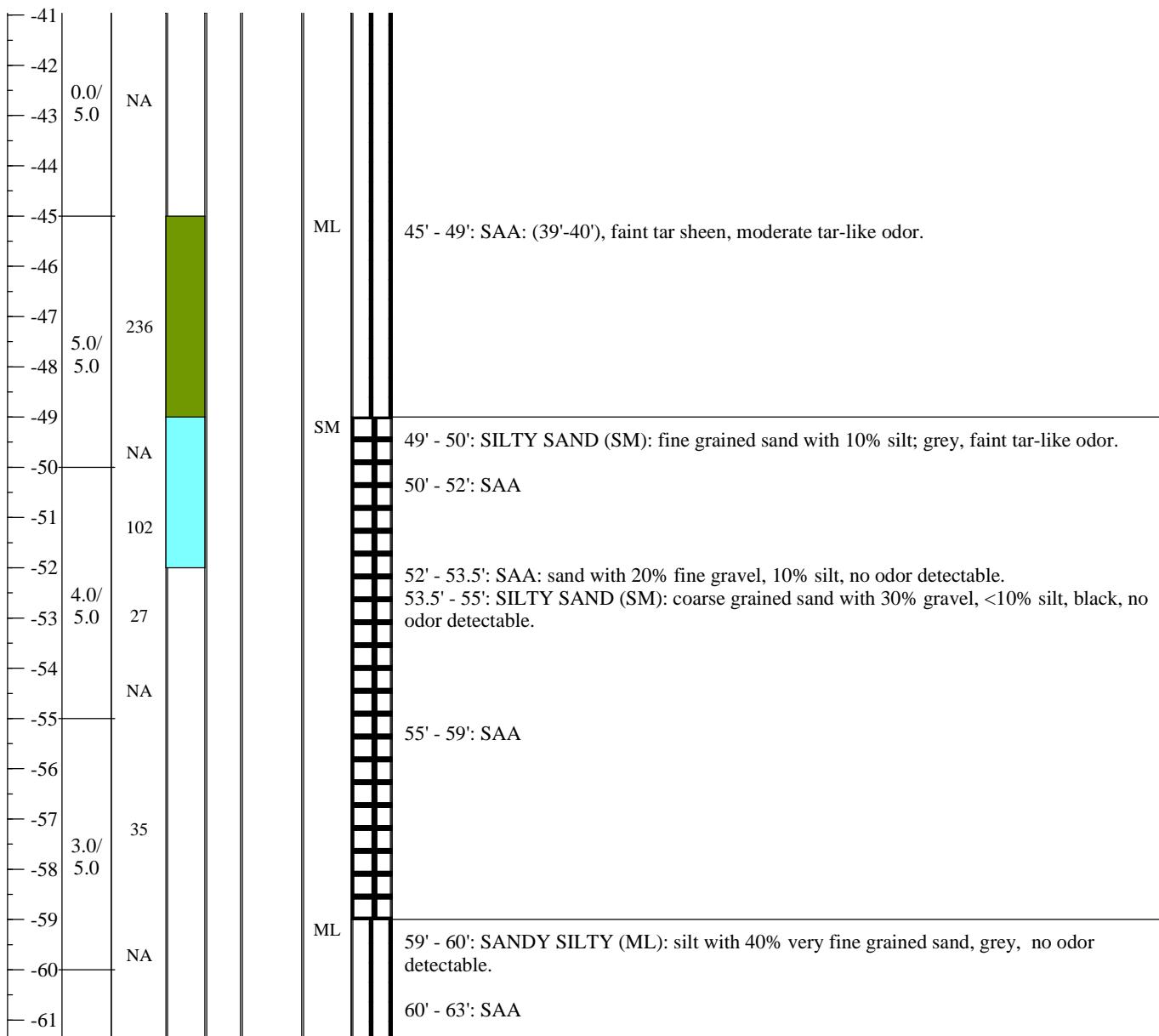
Page 3 of 4

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-14-2010  
**Date Started/Completed:** 4-14-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** 3 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 11.46' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid



# Boring ID: SB-15

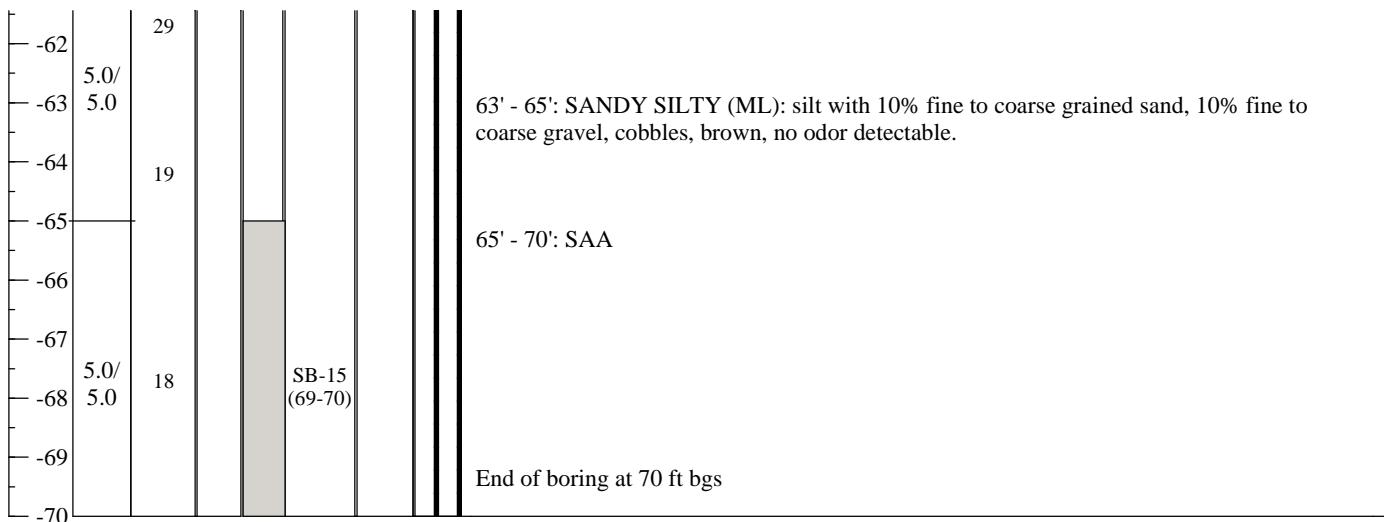
Page 4 of 4

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-14-2010  
**Date Started/Completed:** 4-14-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** 3 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 11.46' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

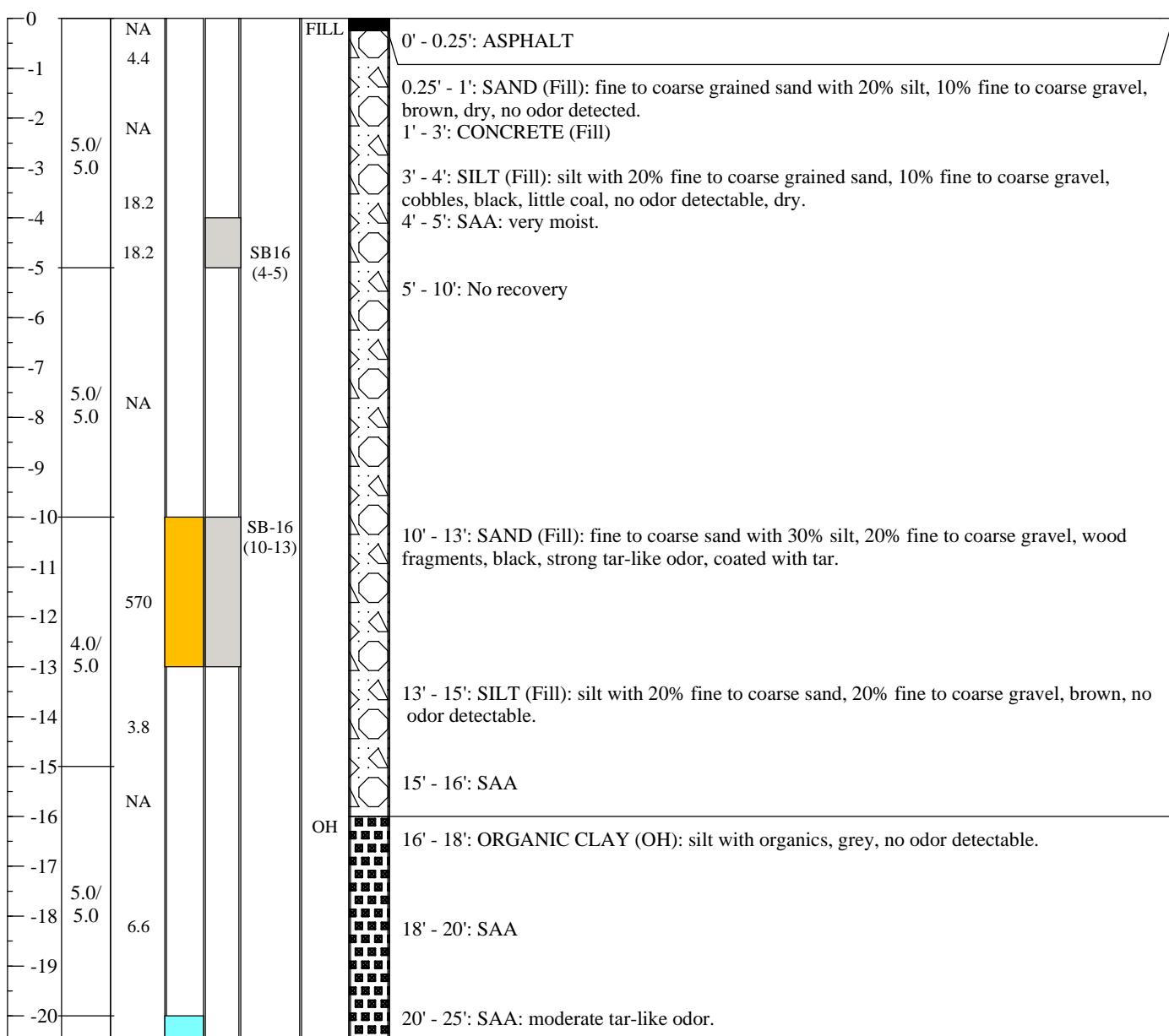
9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 5-4-2010  
**Date Started/Completed:** 5-5-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~4 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 7.58' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

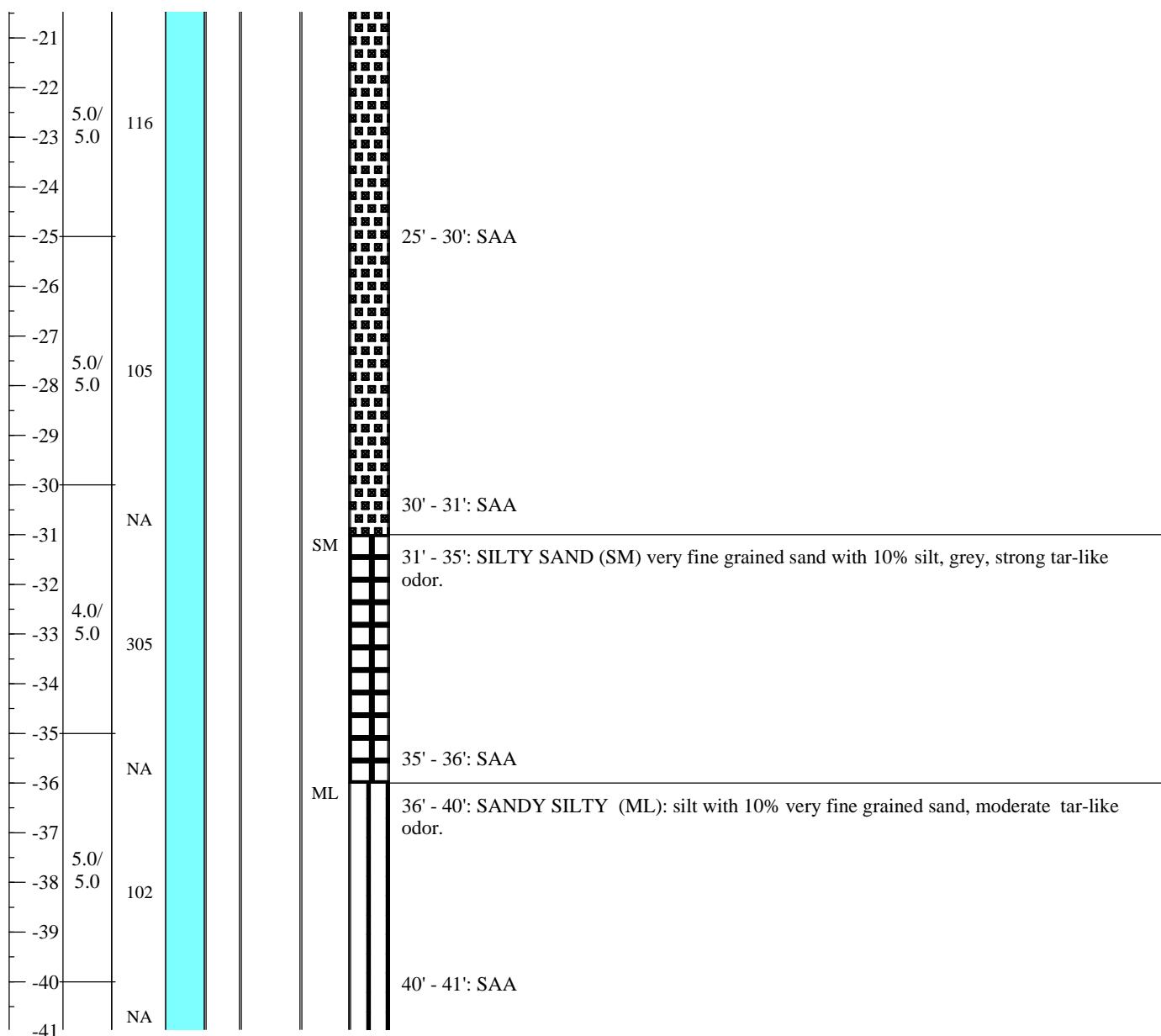
9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 5-4-2010  
**Date Started/Completed:** 5-5-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~4 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 7.58' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

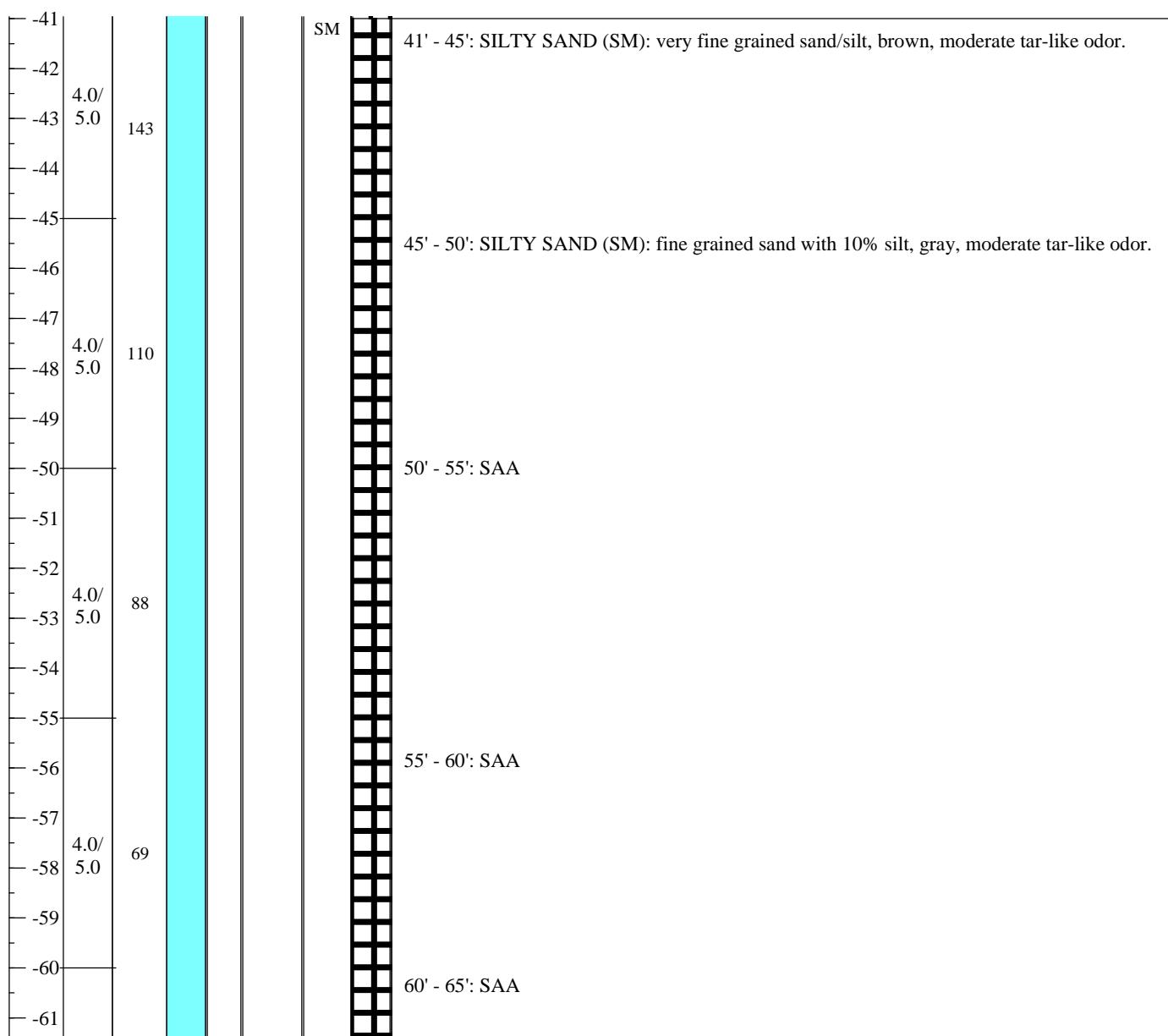
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 5-4-2010  
**Date Started/Completed:** 5-5-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~4 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 7.58' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

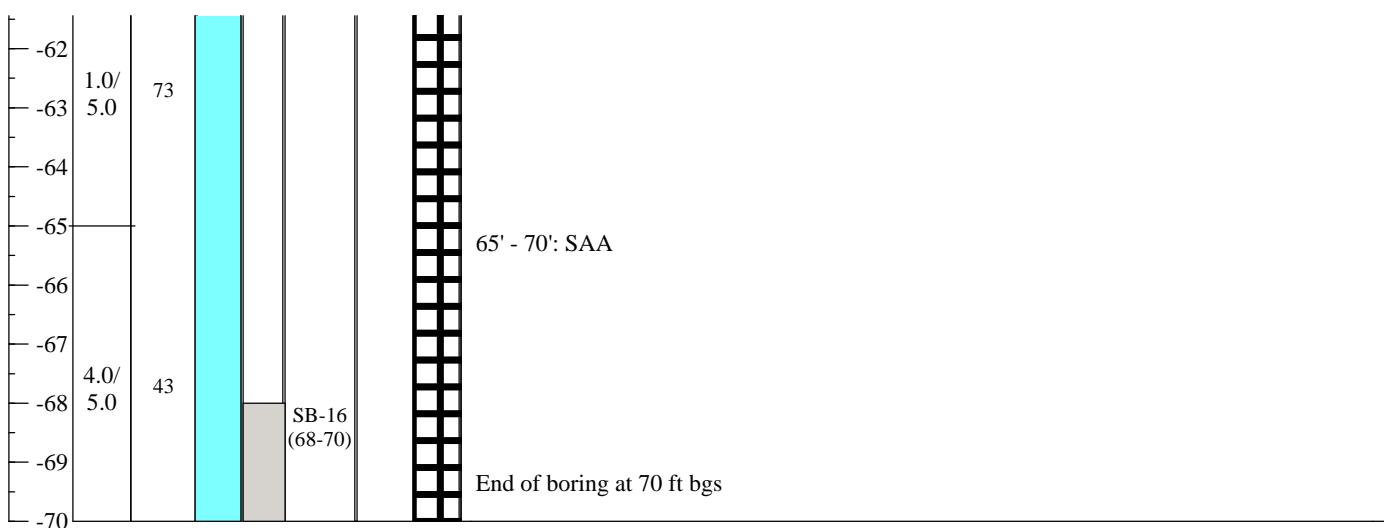
7) PID - Photo Ionization Detector

8) ppm - parts per million

9) NAPL - Non-Aqueous Phase Liquid

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~4 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 70 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 7.58' NAVD88
<b>Date Pre-Cleared:</b> 5-4-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> NO
<b>Date Started/Completed:</b> 5-5-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description

**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

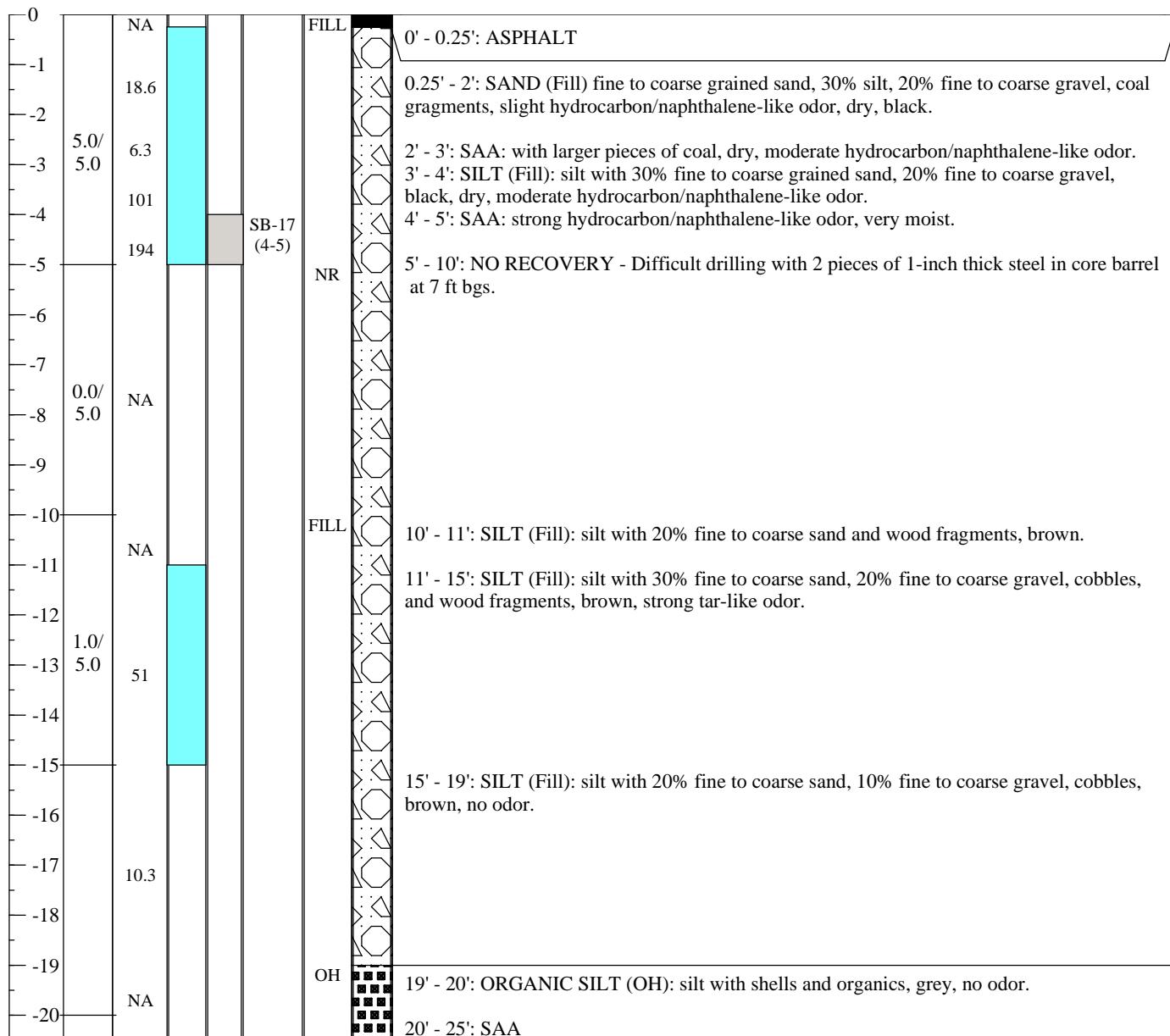
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-20-2010  
**Date Started/Completed:** 4-20-2010/4-21-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~ 3 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 7.15 ft  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

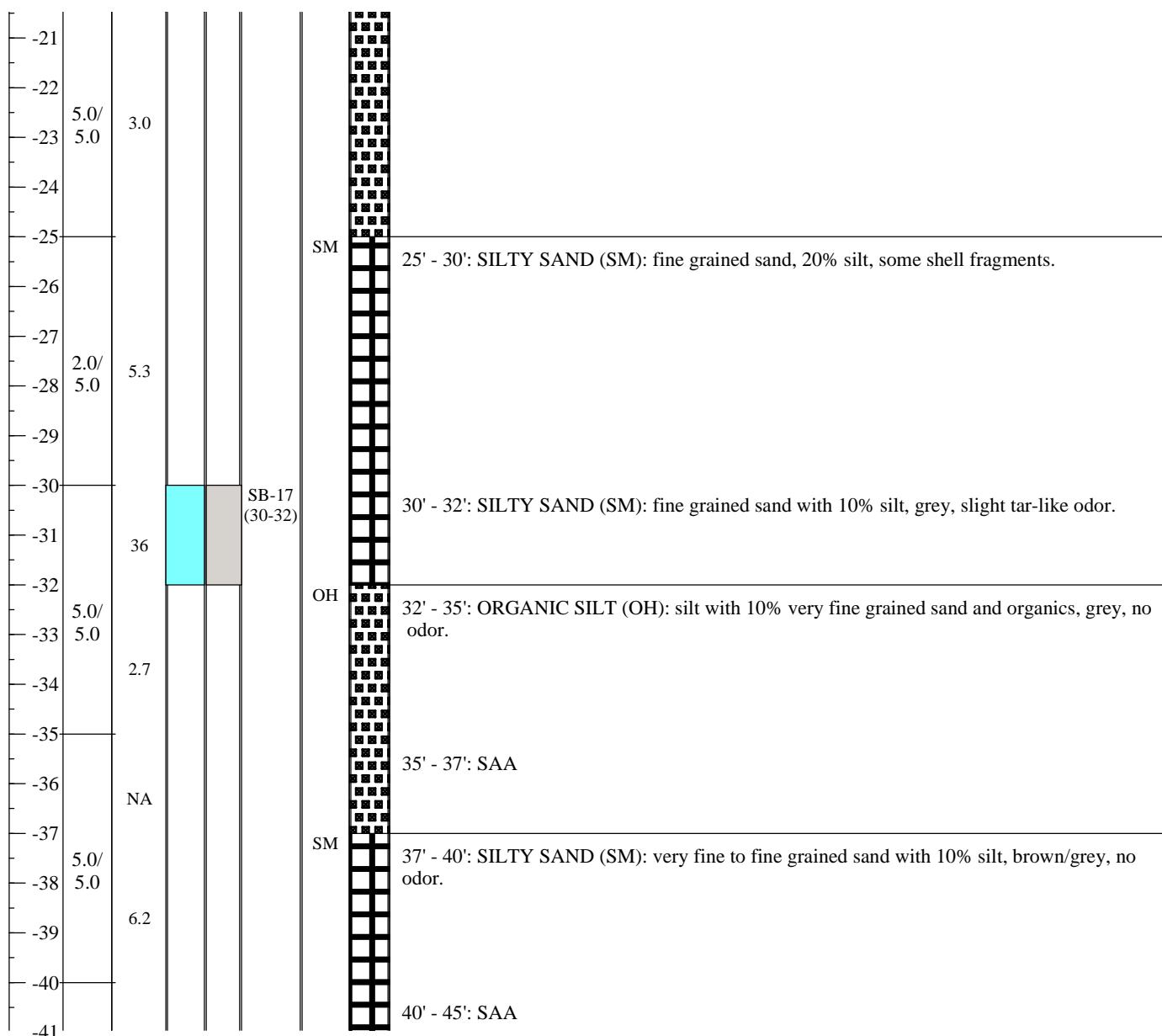
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-20-2010  
**Date Started/Completed:** 4-20-2010/4-21-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** ~ 3 ft bgs  
**Total Depth:** 50 ft bgs  
**Ground Elevation:** 7.15 ft  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 6) SAA - Same As Above
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

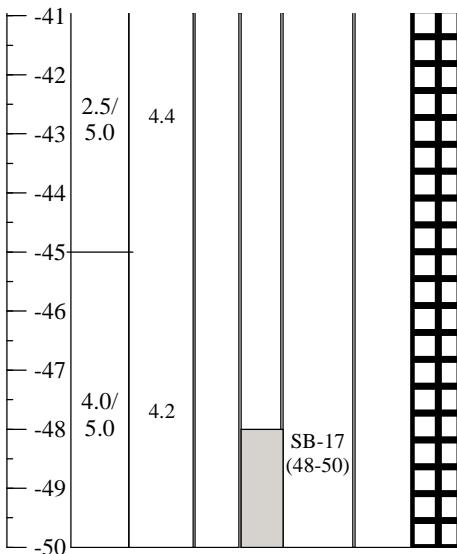


# Boring ID: SB - 17

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<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~ 3 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 50 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 7.15 ft
<b>Date Pre-Cleared:</b> 4-20-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> NO
<b>Date Started/Completed:</b> 4-20-2010/4-21-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> NA

Depth (ft)	Recovery (ft)	Geologic Description					
		PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology
-41							
-42							
-43	2.5/ 5.0	4.4					
-44							
-45							45' - 50': SAA
-46							
-47							
-48	4.0/ 5.0	4.2		SB-17 (48-50)			
-49							
-50							End of boring at 50 ft bgs



## Notes:

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

## Definitions:

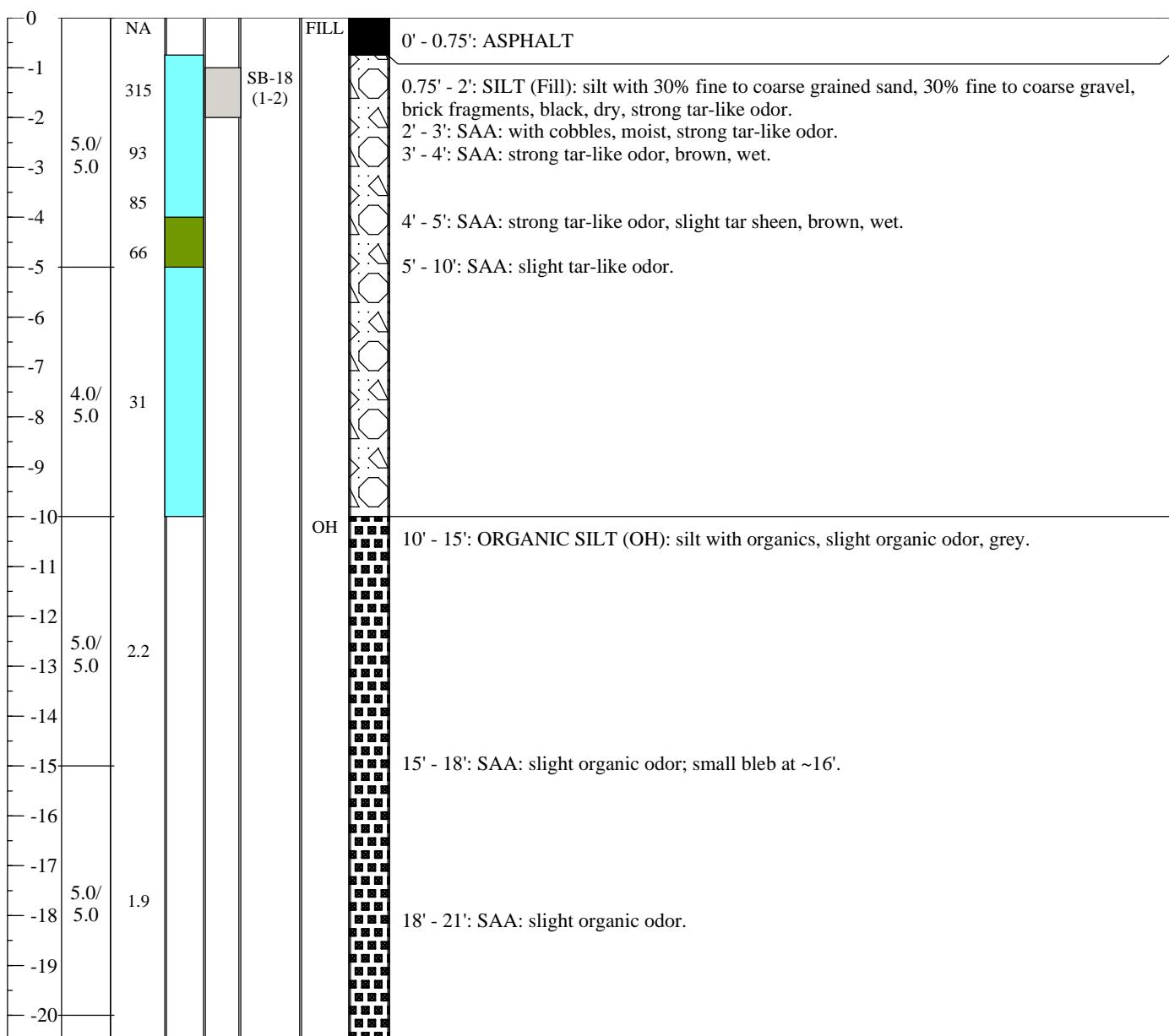
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-20-2010  
**Date Started/Completed:** 4-20-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** 3 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 7.00' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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**Notes:**

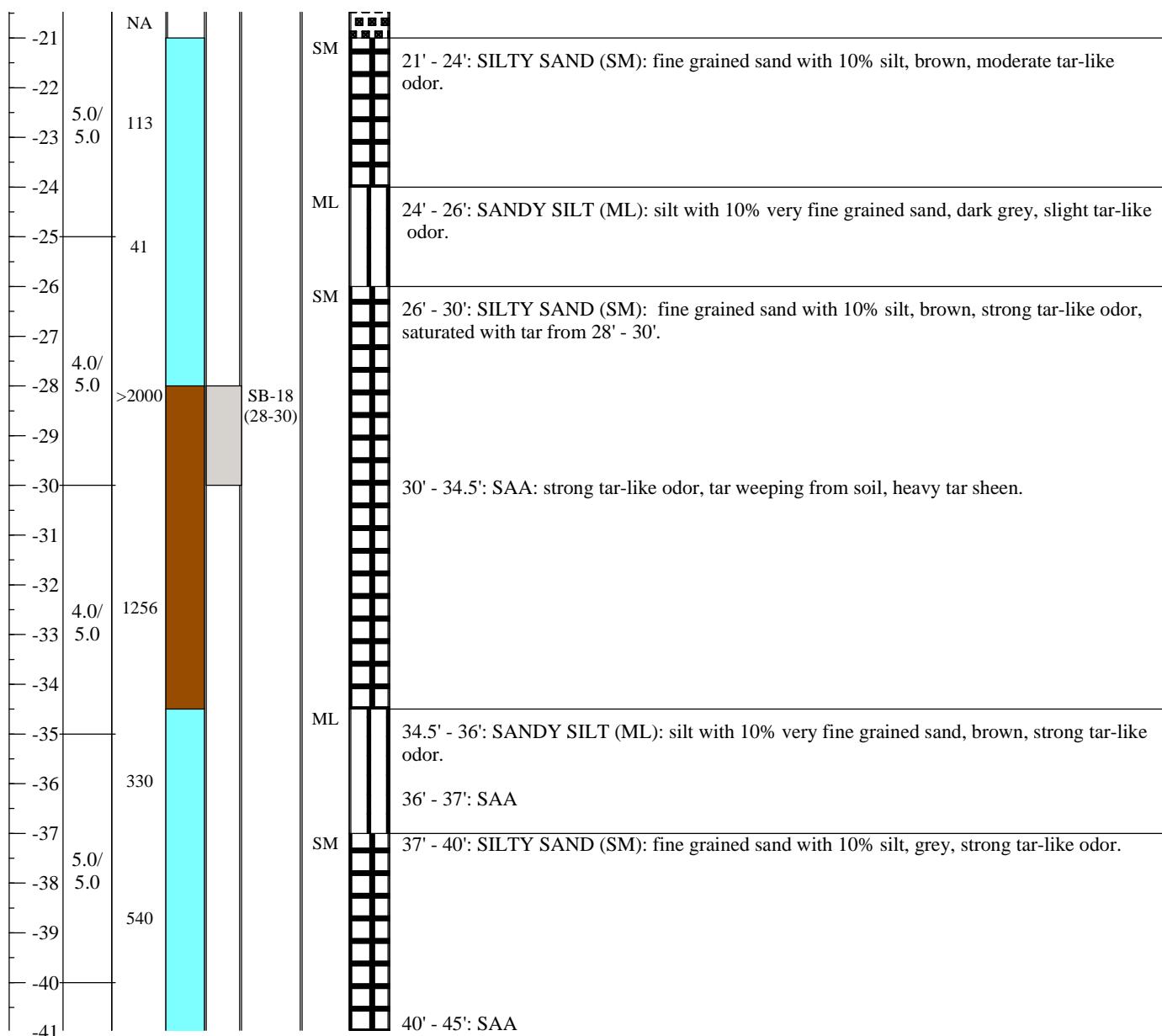
- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> 3 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 70 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 7.00' NAVD88
<b>Date Pre-Cleared:</b> 4-20-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> NO
<b>Date Started/Completed:</b> 4-20-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
-21	NA					SM		21' - 24': SILTY SAND (SM): fine grained sand with 10% silt, brown, moderate tar-like odor.


**Notes:**

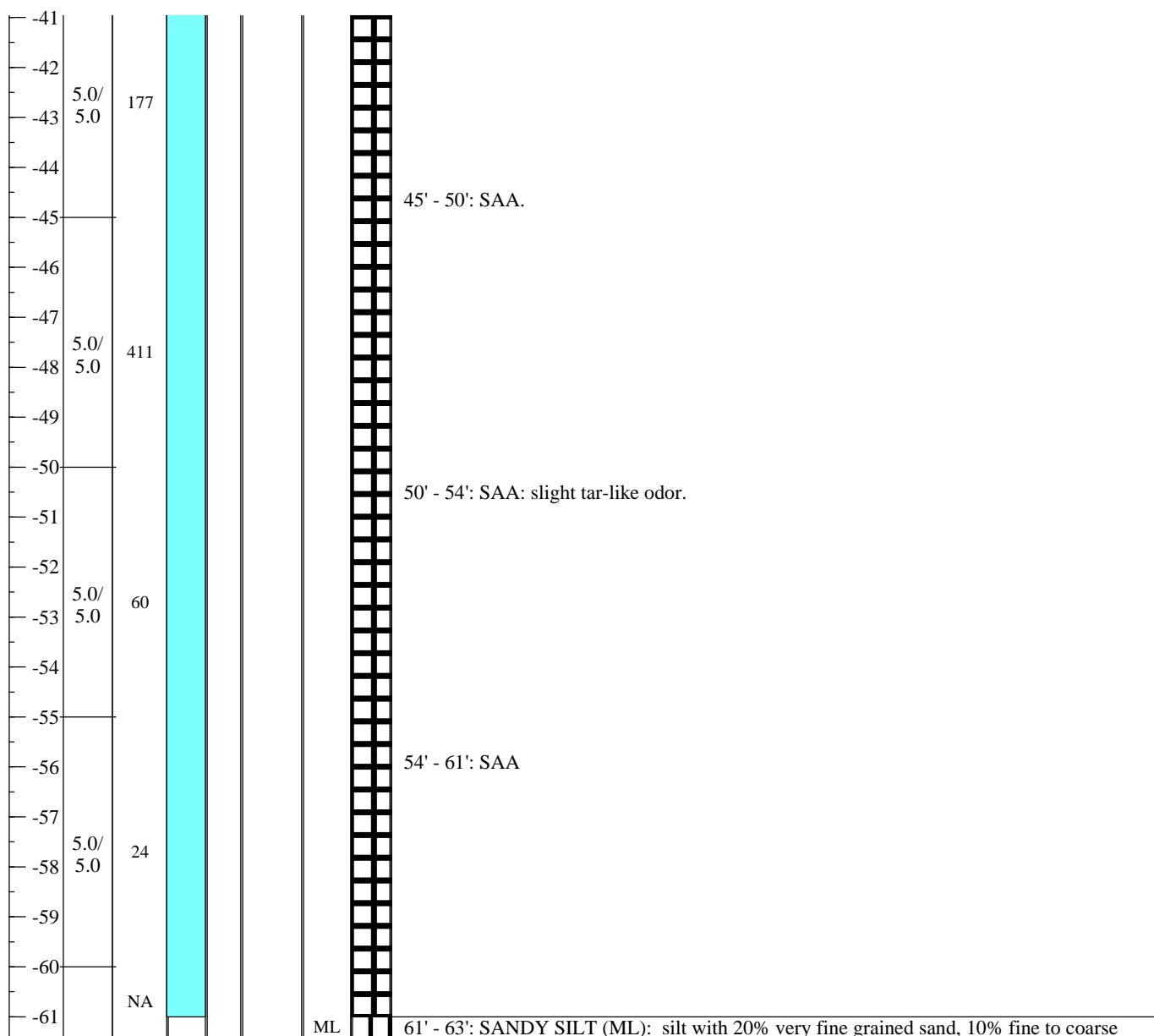
- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> 3 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 70 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 7.00' NAVD88
<b>Date Pre-Cleared:</b> 4-20-2010	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> NO
<b>Date Started/Completed:</b> 4-20-2010	<b>Logged By:</b> Stephen Wright	<b>Well ID:</b> NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
-41								


**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid



# Boring ID: SB-18

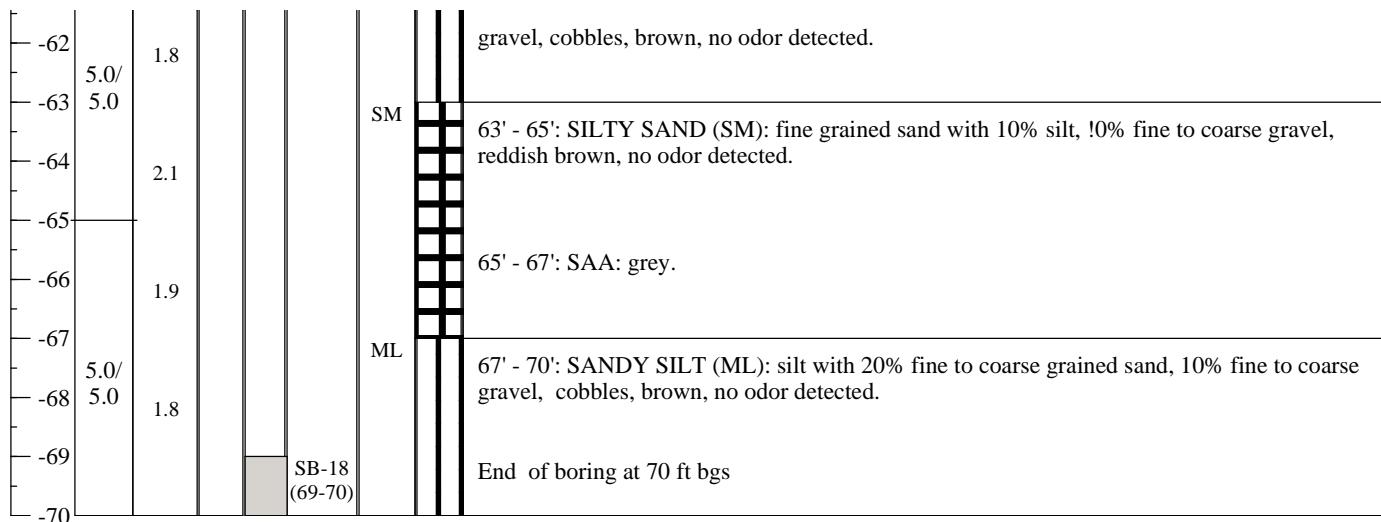
Page 4 of 4

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 4-20-2010  
**Date Started/Completed:** 4-20-2010

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Stephen Wright

**Water Level:** 3 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 7.00' NAVD88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) No Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

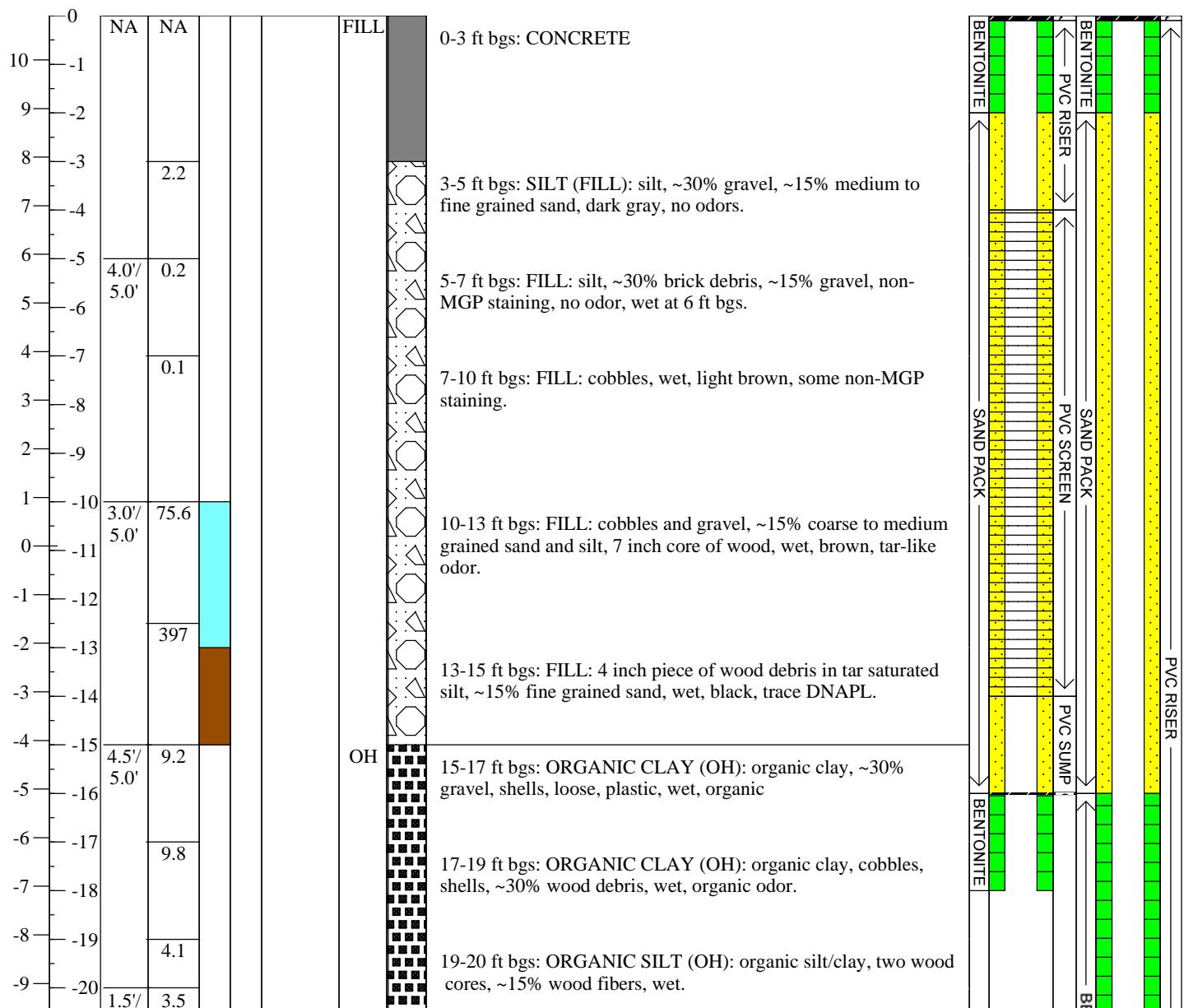
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/2/2011  
**Date Started/Completed:** 10/2/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~6.0 ft bgs  
**Total Depth:** 85 ft bgs  
**Ground Elevation:** 10.91 ft NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-19S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-19S/I


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-19S/19I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

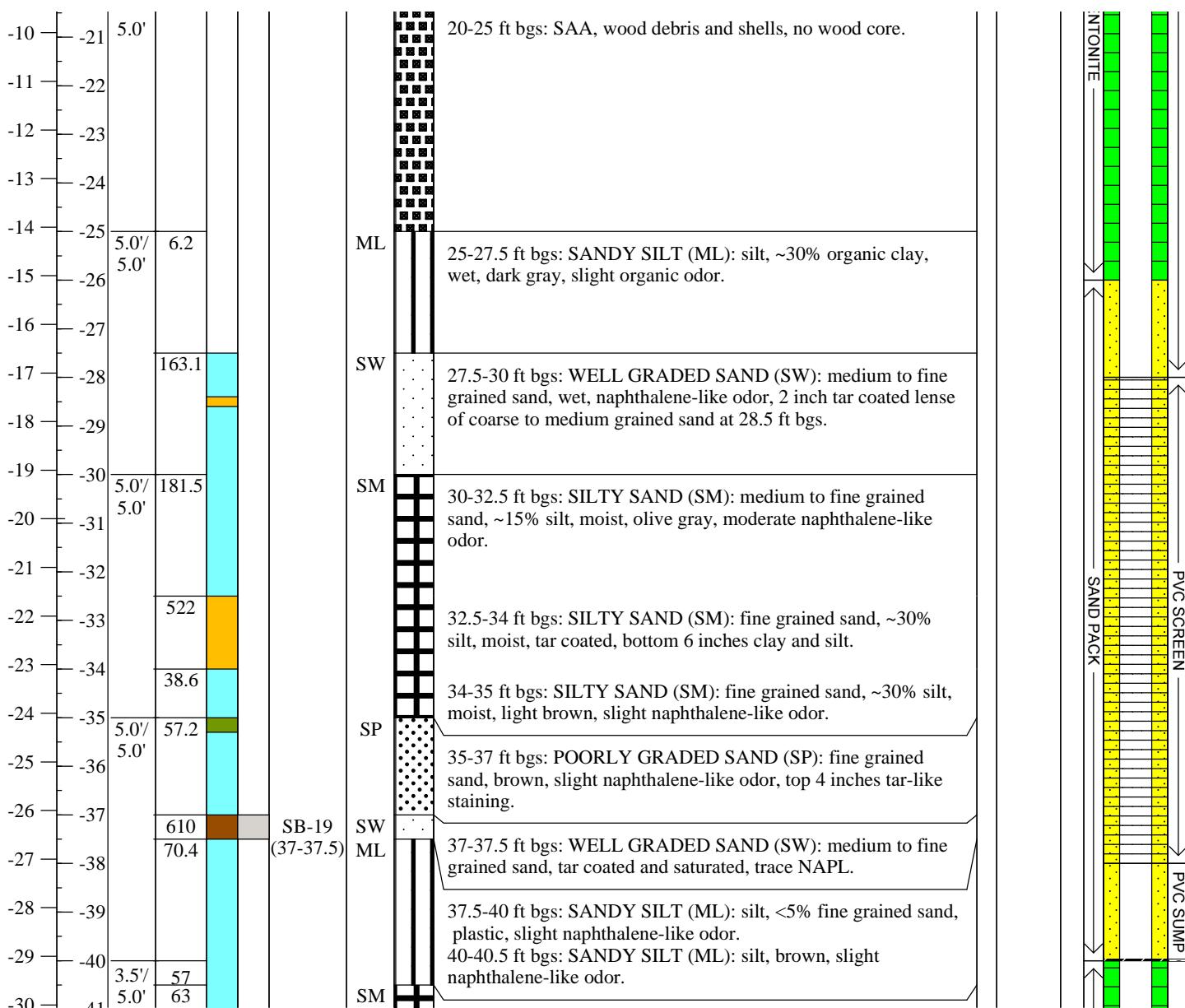
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/2/2011  
**Date Started/Completed:** 10/2/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~6.0 ft bgs  
**Total Depth:** 85 ft bgs  
**Ground Elevation:** 10.91 ft NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-19S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-19S MW-19I


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-19S/19I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

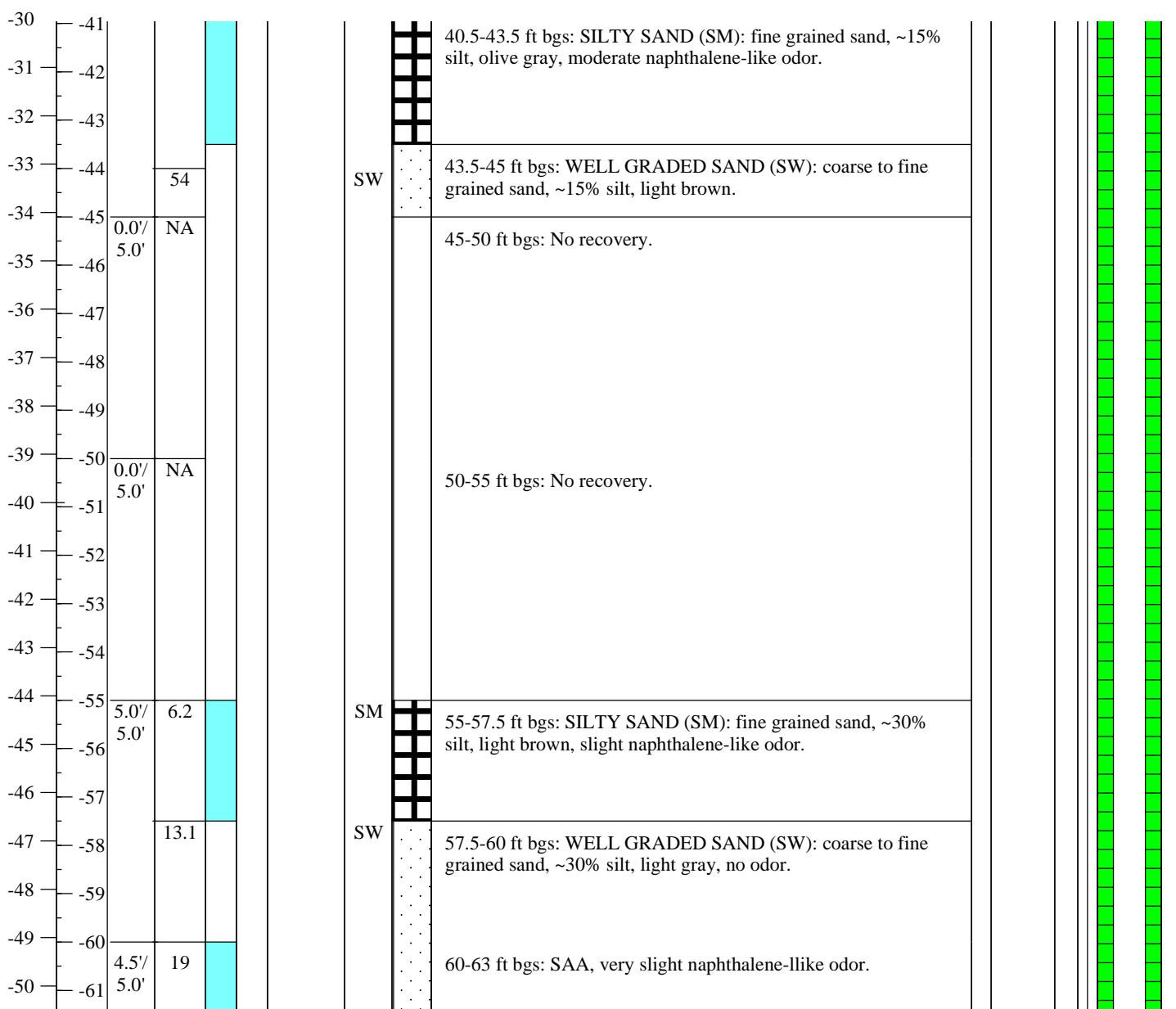
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/2/2011  
**Date Started/Completed:** 10/2/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~6.0 ft bgs  
**Total Depth:** 85 ft bgs  
**Ground Elevation:** 10.91 ft NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-19S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-19S MW-19I


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-19S/19I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

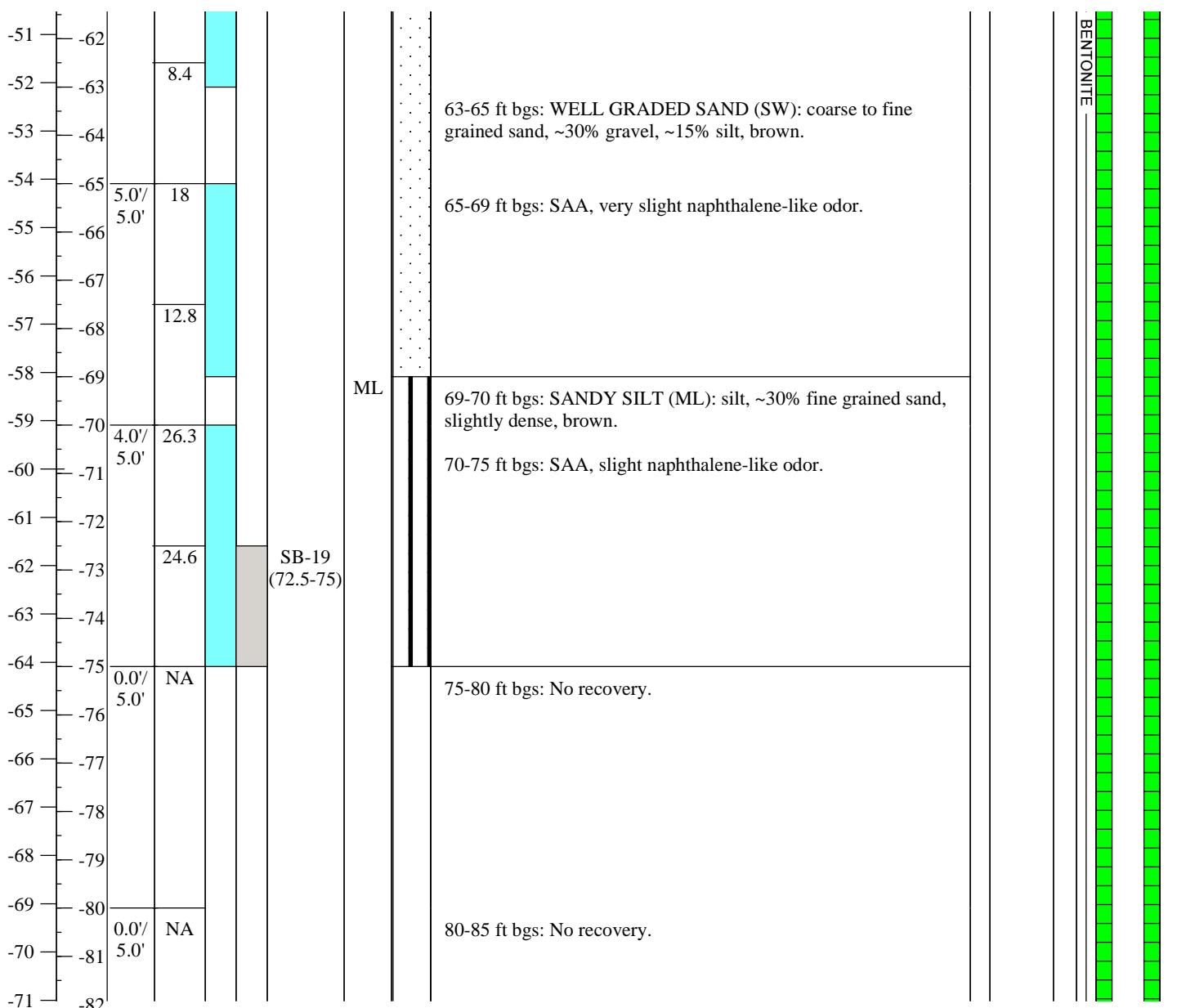
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/2/2011  
**Date Started/Completed:** 10/2/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~6.0 ft bgs  
**Total Depth:** 85 ft bgs  
**Ground Elevation:** 10.91 ft NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-19S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-19S

**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-19S/19I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

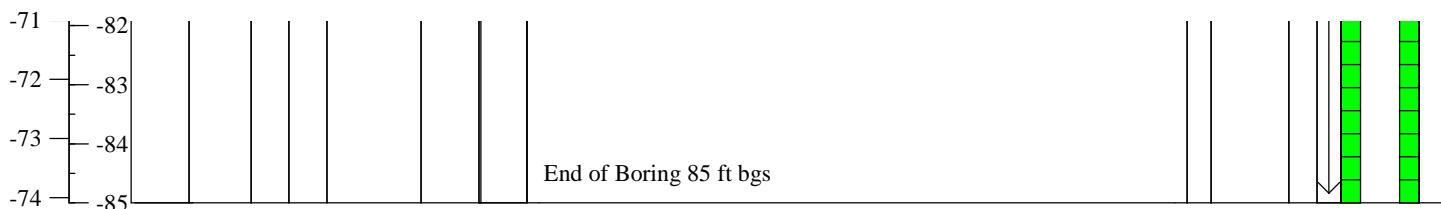
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/2/2011  
**Date Started/Completed:** 10/2/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~6.0 ft bgs  
**Total Depth:** 85 ft bgs  
**Ground Elevation:** 10.91 ft NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-19S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-19S MW-19I


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-19S/19I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

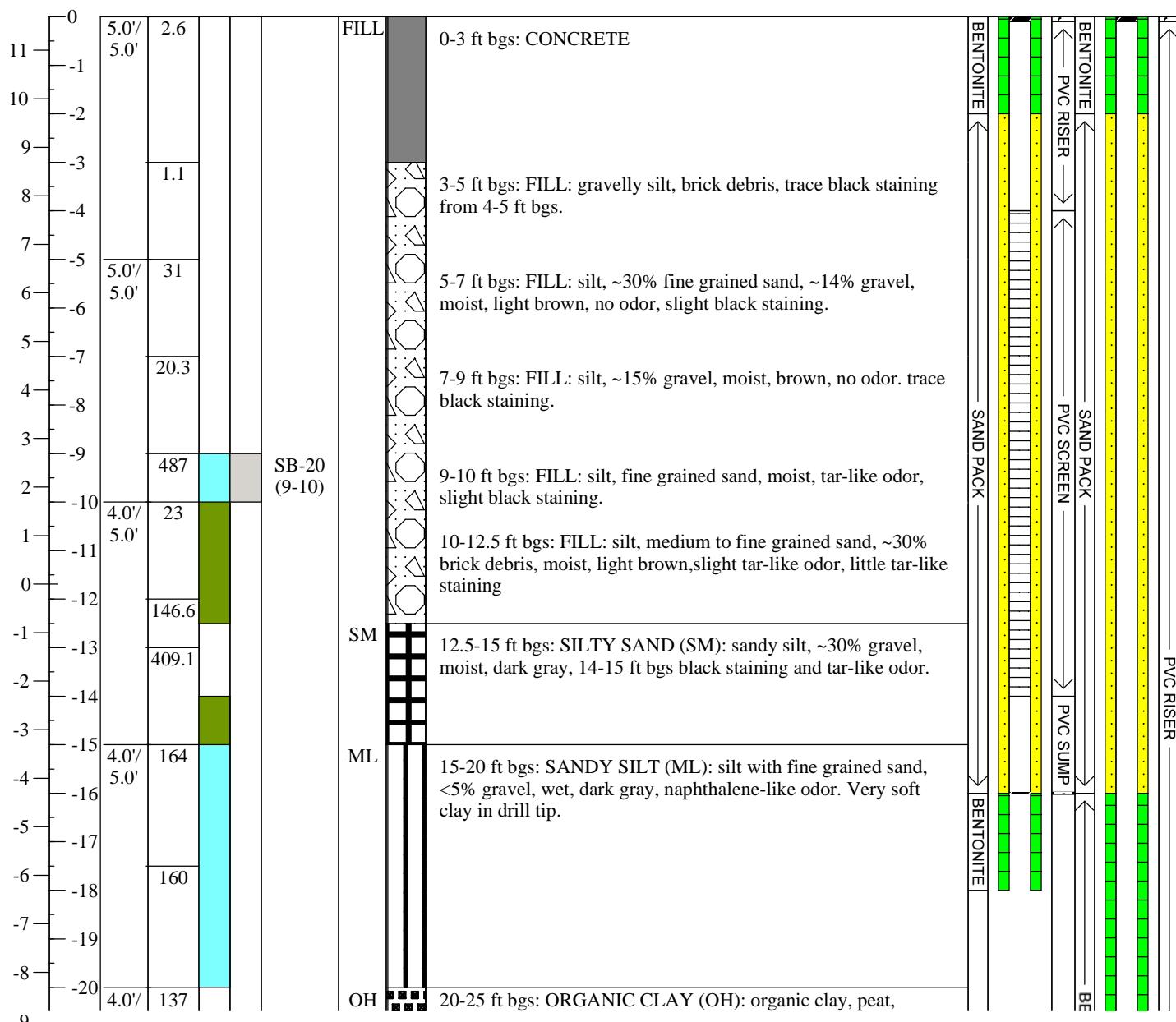
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/16/2011  
**Date Started/Completed:** 10/16/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~15 ft bgs  
**Total Depth:** 85 ft bgs  
**Ground Elevation:** 11.69 ft NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-20 S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-20S      MW-20I


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-20S/21I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

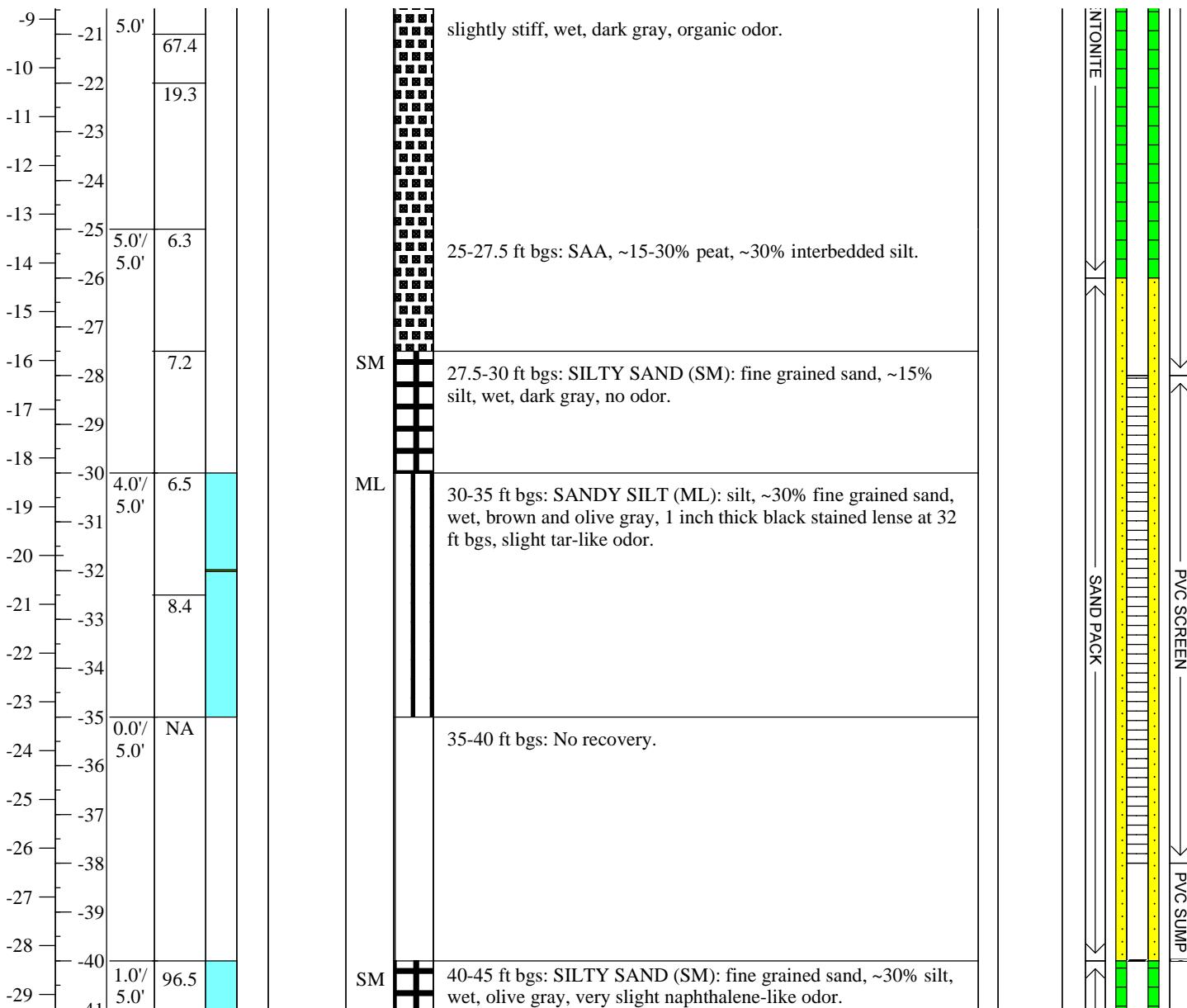
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/16/2011  
**Date Started/Completed:** 10/16/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~15 ft bgs  
**Total Depth:** 85 ft bgs  
**Ground Elevation:** 11.69 ft NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-20 S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-20S
										MW-20I


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-20S/21
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

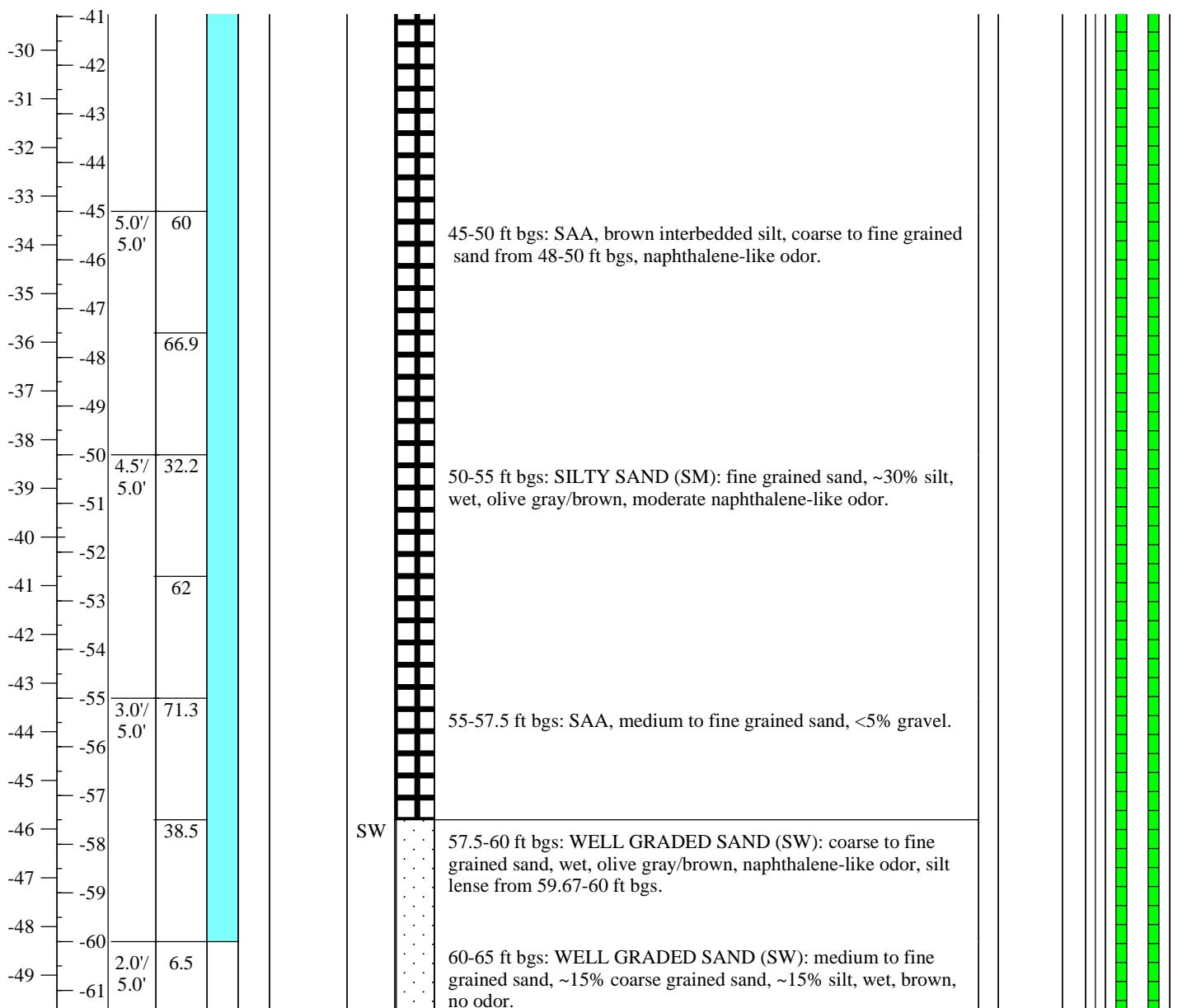
 7) PID - Photo Ionization Detector  
 8) ppm - parts per million  
 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/16/2011  
**Date Started/Completed:** 10/16/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~15 ft bgs  
**Total Depth:** 85 ft bgs  
**Ground Elevation:** 11.69 ft NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-20 S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-20S MW-20I

**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-20S/21I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

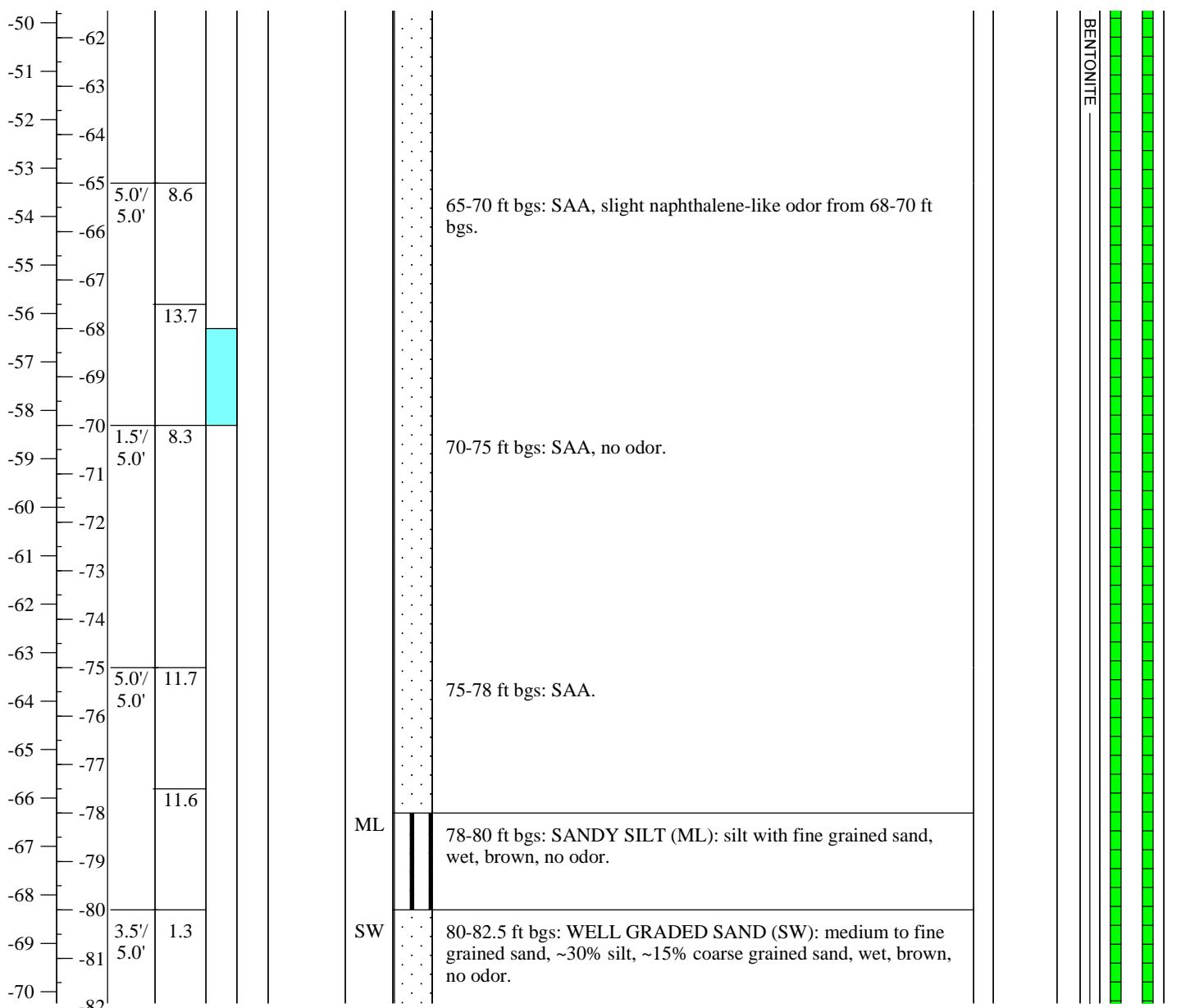
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/16/2011  
**Date Started/Completed:** 10/16/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~15 ft bgs  
**Total Depth:** 85 ft bgs  
**Ground Elevation:** 11.69 ft NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-20 S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-20S
										MW-20I


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-20S/21I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

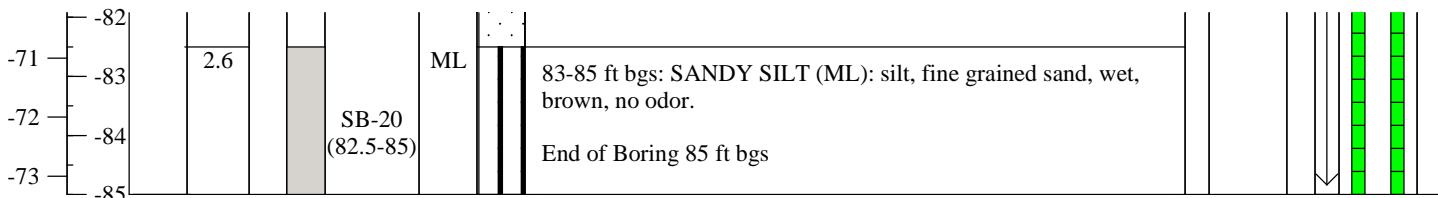
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/16/2011  
**Date Started/Completed:** 10/16/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~15 ft bgs  
**Total Depth:** 85 ft bgs  
**Ground Elevation:** 11.69 ft NAVD88  
**Converted To Well (Y/N):** Yes  
**Well ID:** MW-20 S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
										MW-20S MW-20I


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-20S/21I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

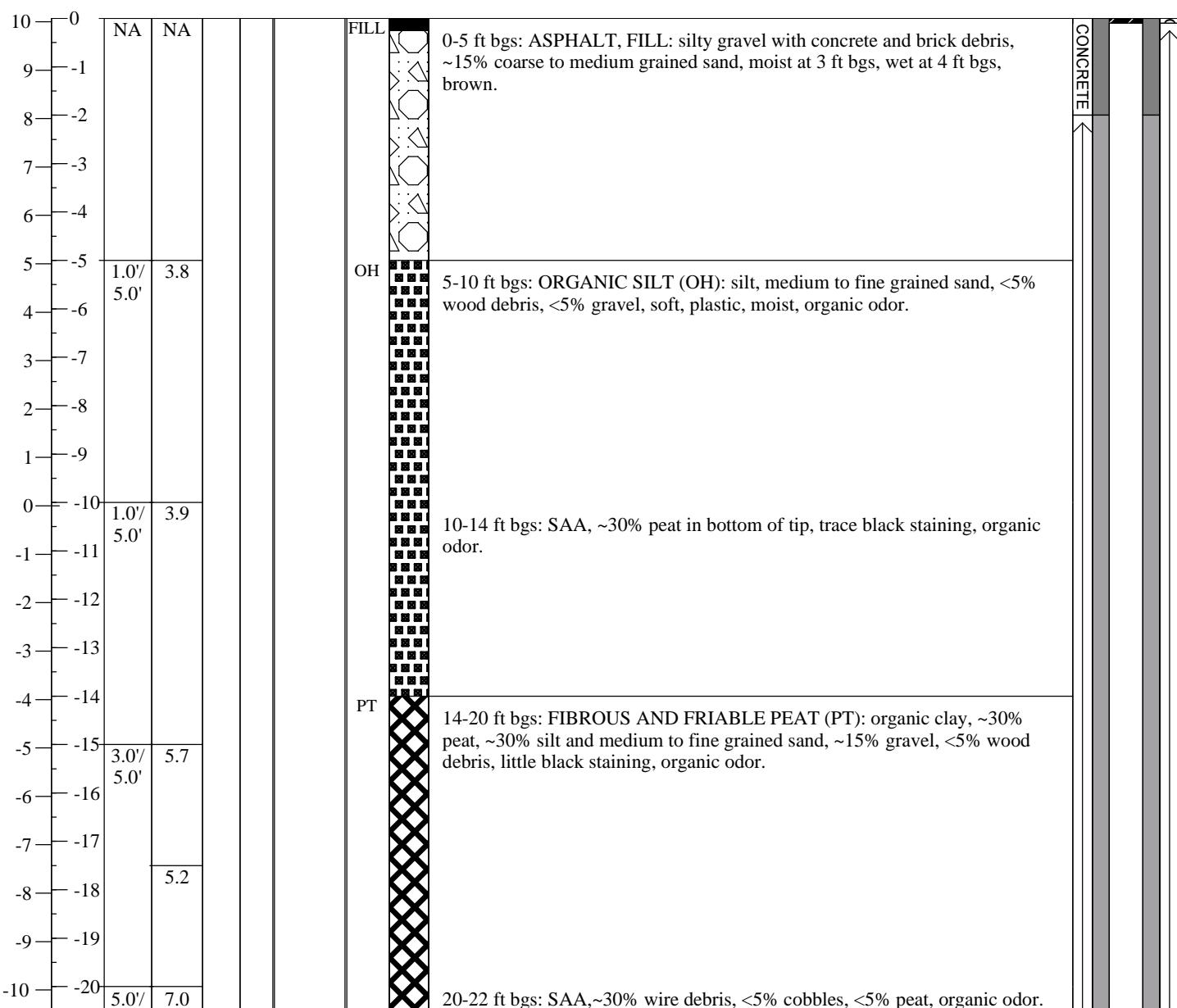
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/12/2011  
**Date Started/Completed:** 10/18/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~4 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 10.07  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-21D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-21D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

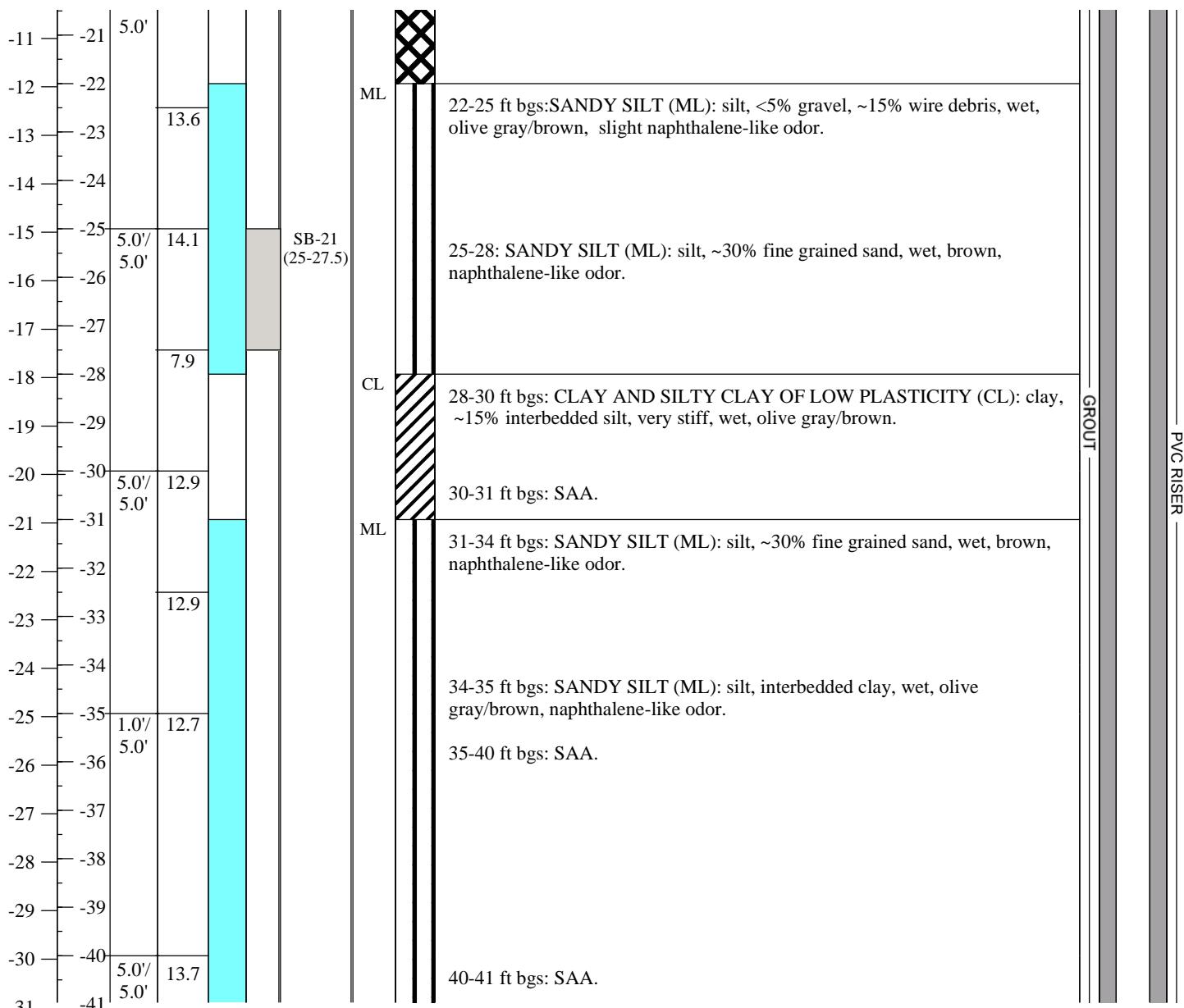
7) PID - Photo Ionization Detector  
8) ppm - parts per million  
9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/12/2011  
**Date Started/Completed:** 10/18/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~4 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 10.07  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-21D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-21D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

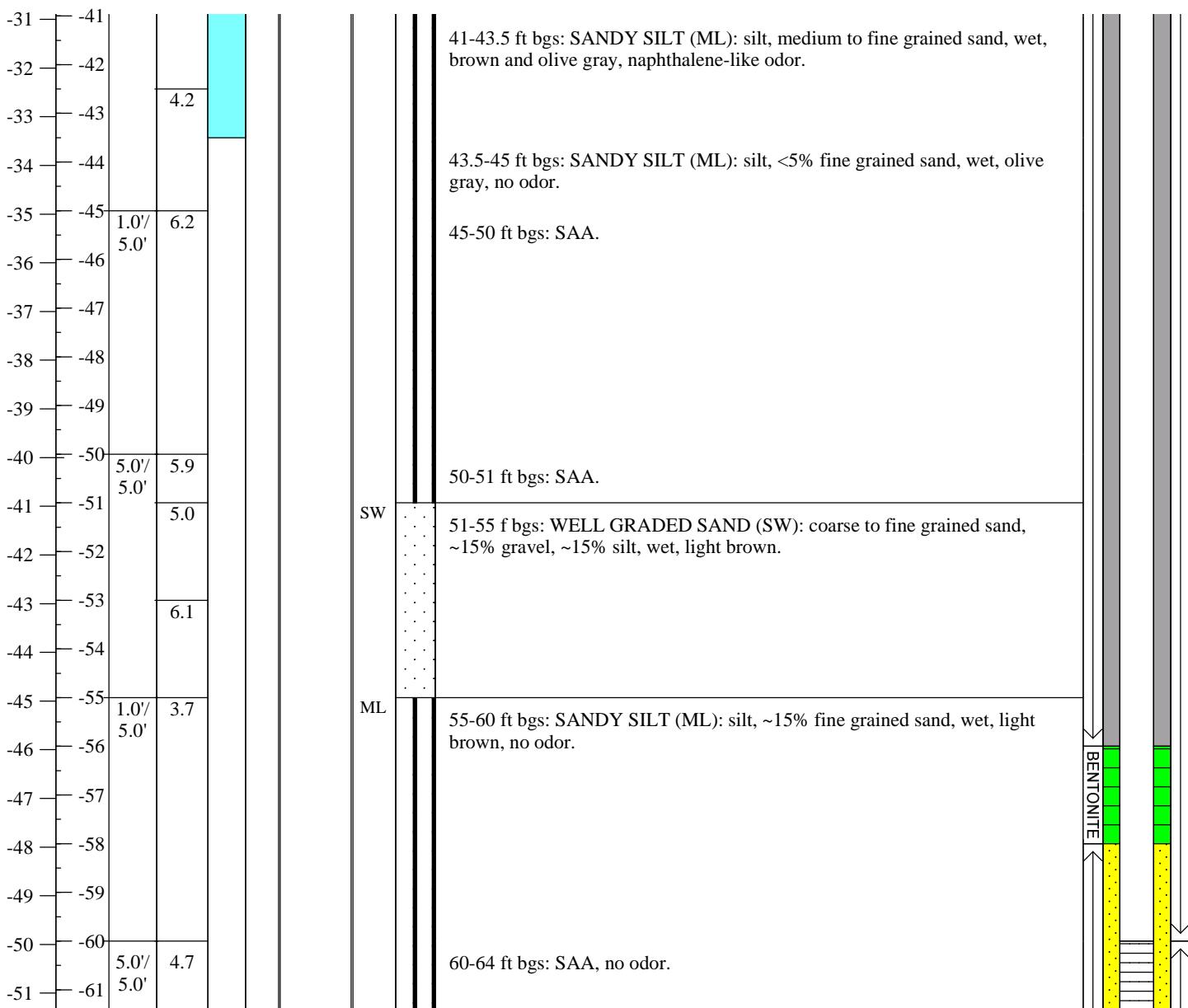
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/12/2011  
**Date Started/Completed:** 10/18/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~4 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 10.07  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-21D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-21D
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- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

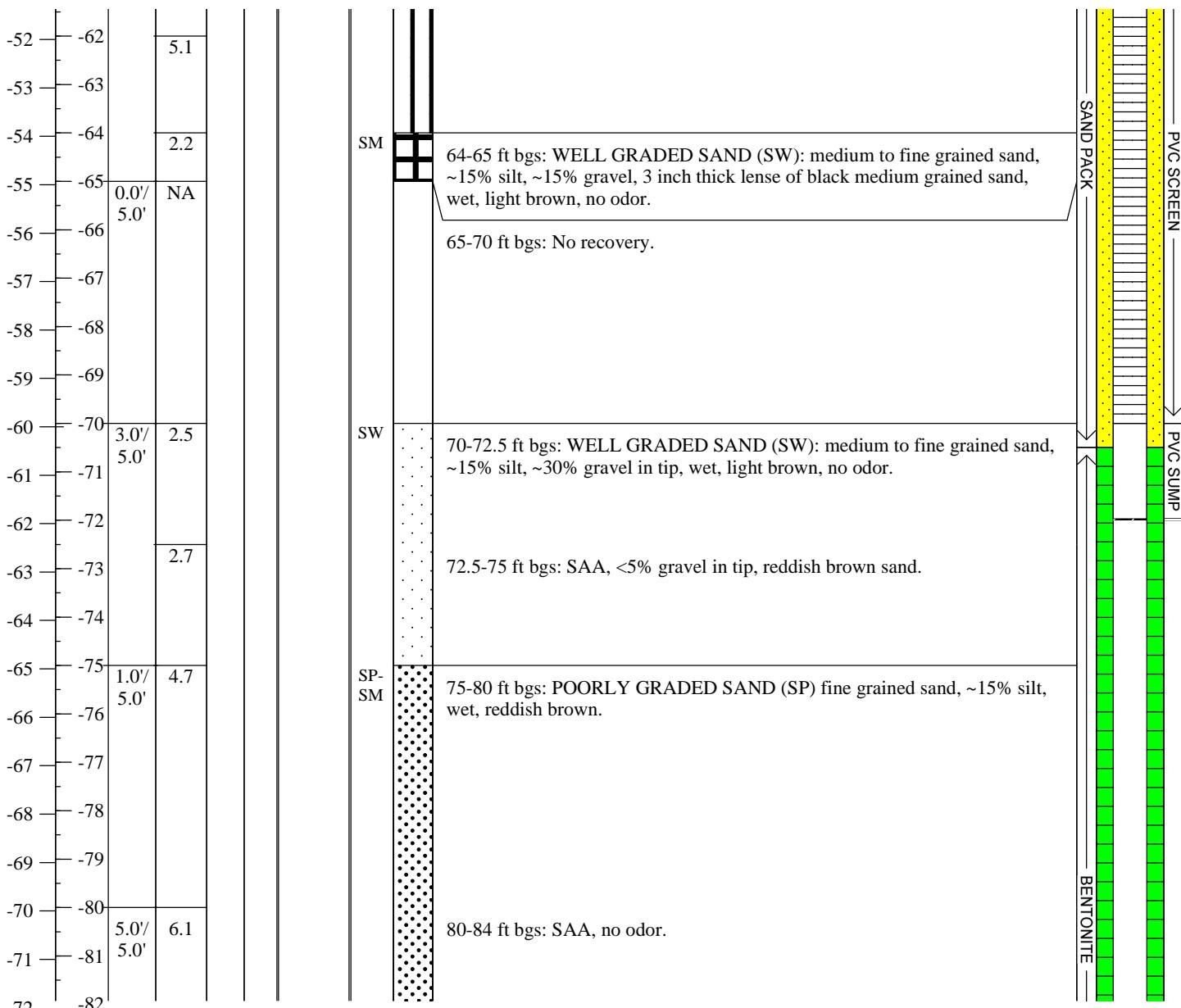
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/12/2011  
**Date Started/Completed:** 10/18/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~4 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 10.07  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-21D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-21D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

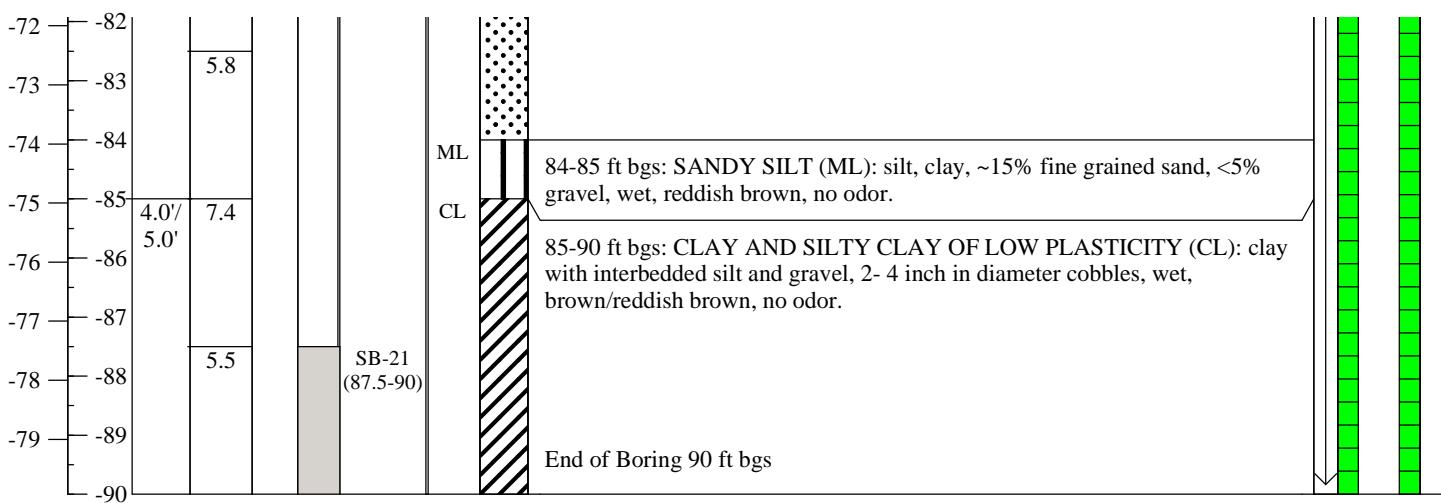
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/12/2011  
**Date Started/Completed:** 10/18/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~4 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 10.07  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-21D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-21D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

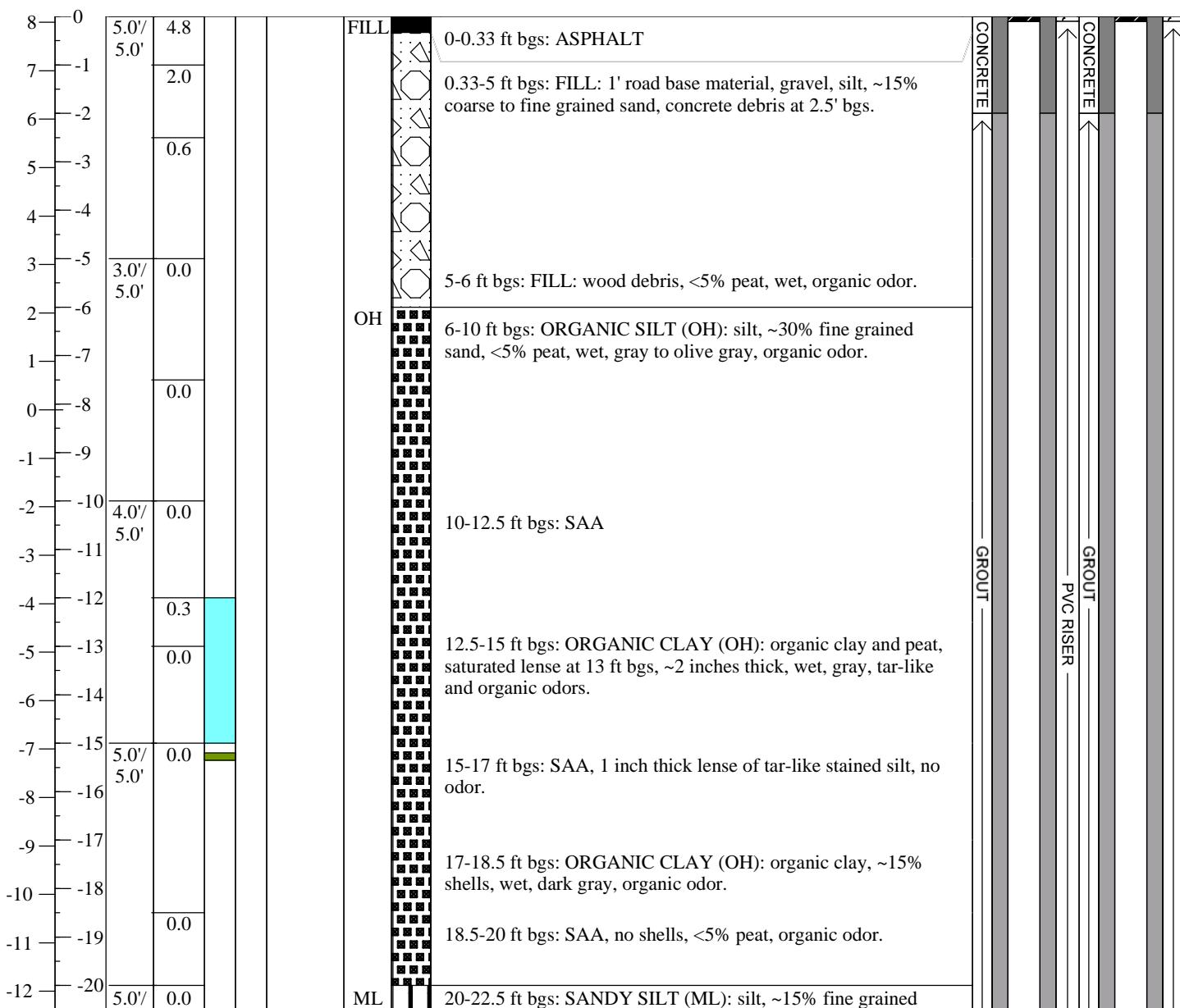
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/5/2011  
**Date Started/Completed:** 10/5/2011-10/6/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~3.5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 8.12' NAVD 88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-22 I/D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-22 I      MW-22 D


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-22I/22D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

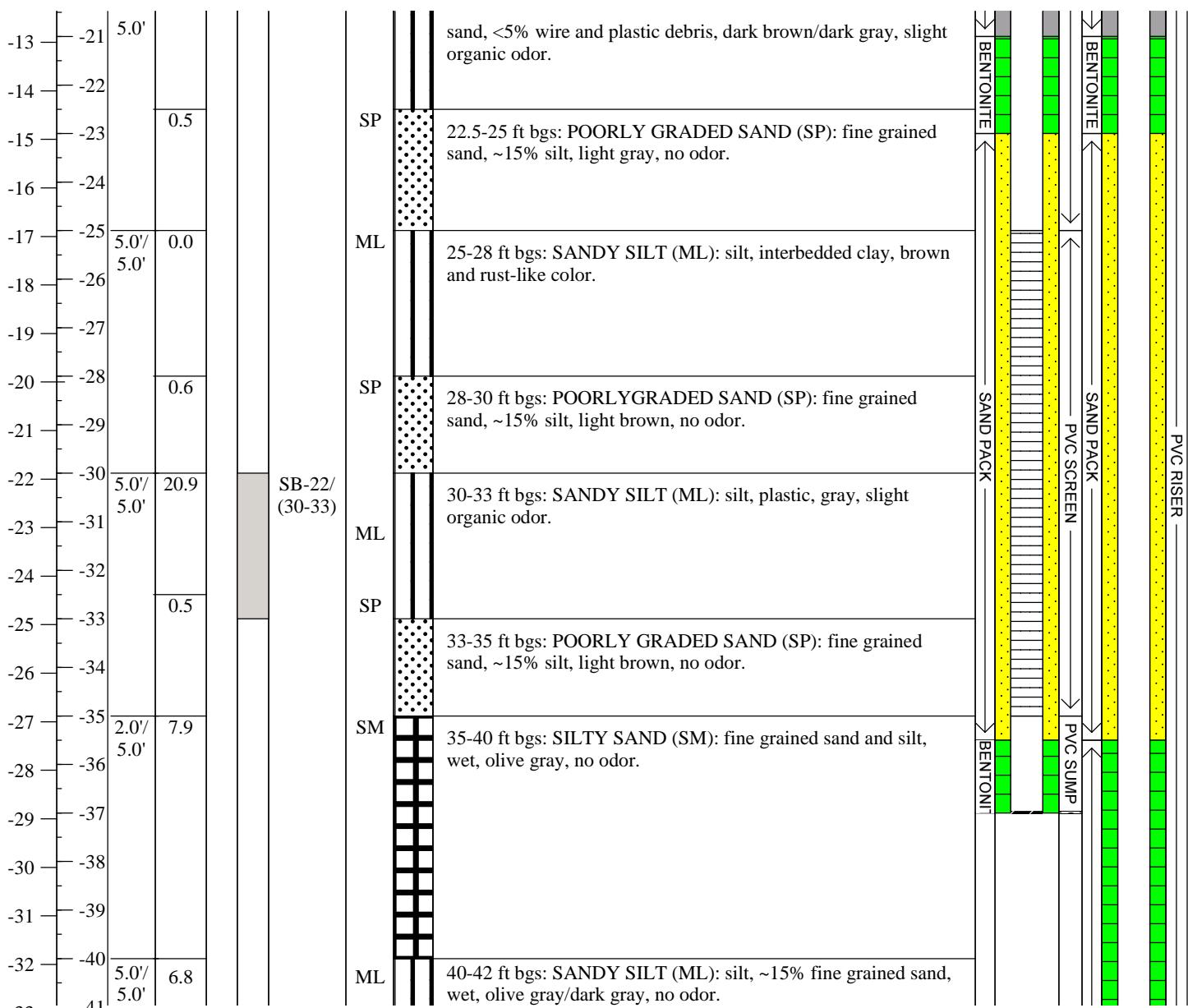
9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/5/2011  
**Date Started/Completed:** 10/5/2011-10/6/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~3.5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 8.12' NAVD 88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-22 I/D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description			Well Construction	MW-22I	MW-22D
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**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-22I/22D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

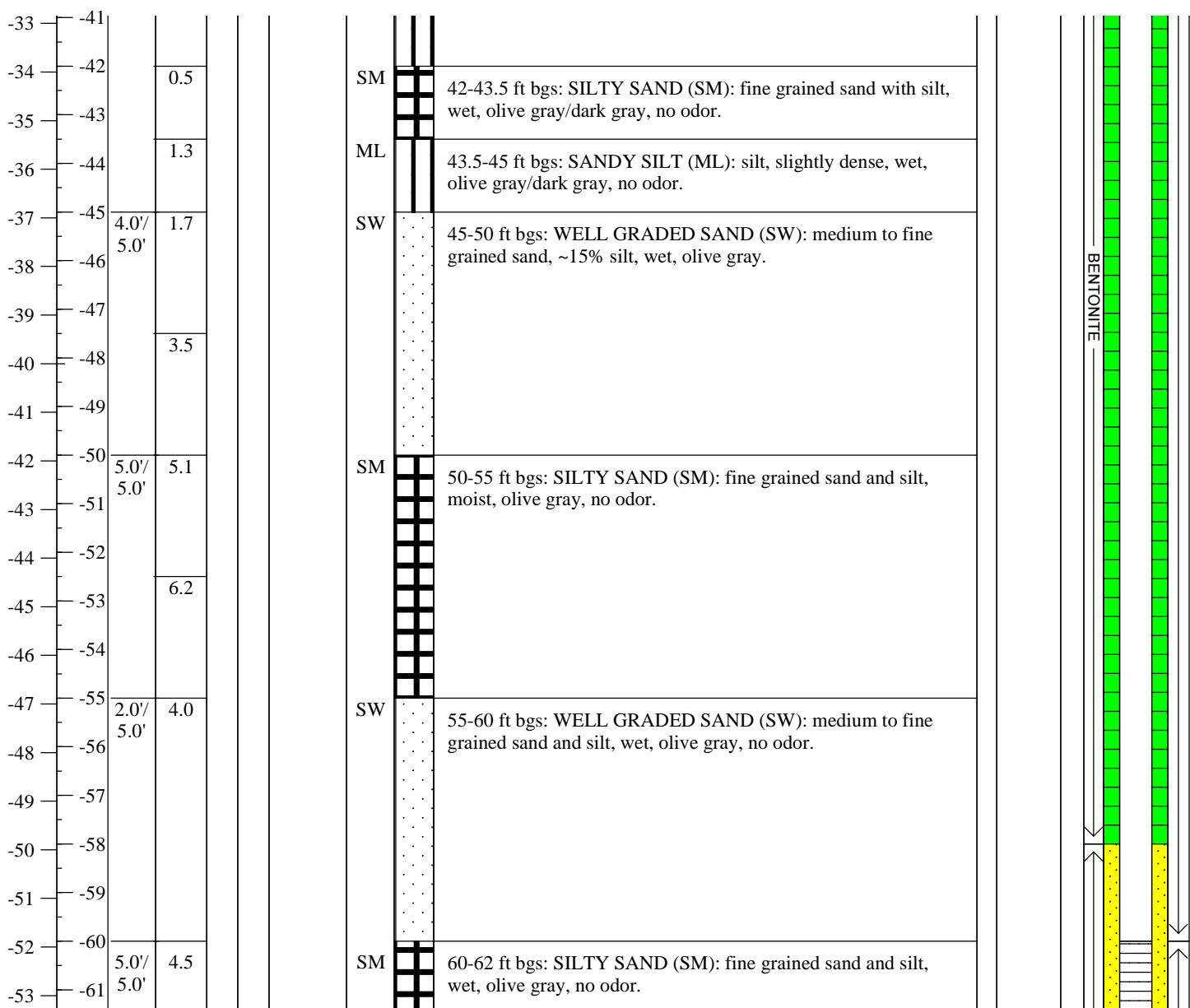
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/5/2011  
**Date Started/Completed:** 10/5/2011-10/6/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~3.5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 8.12' NAVD 88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-22 I/D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-22 I MW-22 D


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-22I/22D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

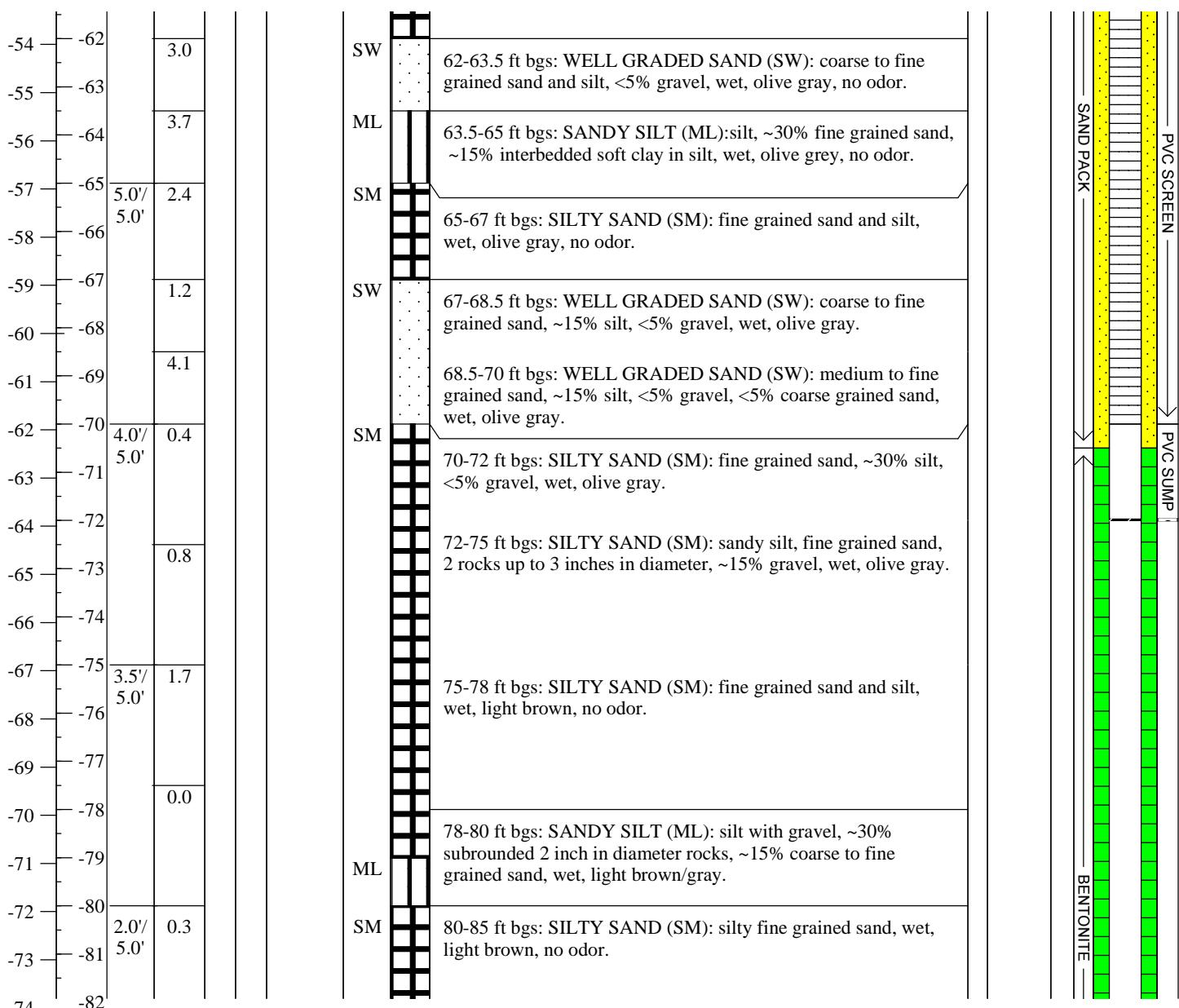
9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/5/2011  
**Date Started/Completed:** 10/5/2011-10/6/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~3.5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 8.12' NAVD 88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-22 I/D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-22 I

**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-22I/22D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

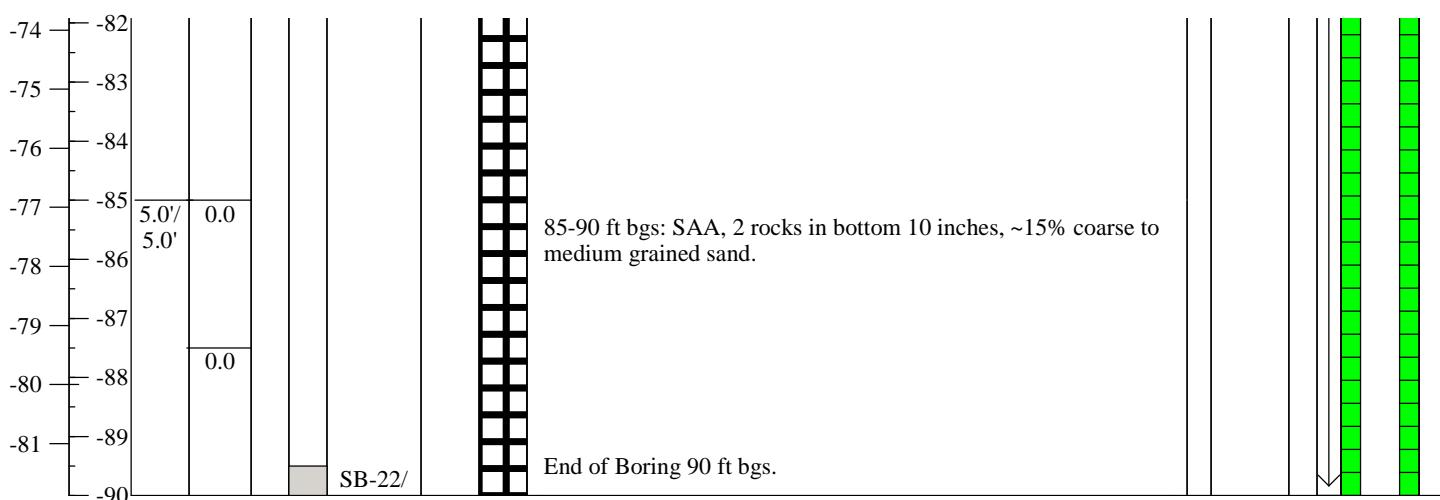
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/5/2011  
**Date Started/Completed:** 10/5/2011-10/6/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~3.5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 8.12' NAVD 88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-22 I/D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description	Well Construction
										MW-22 I


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-22I/22D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

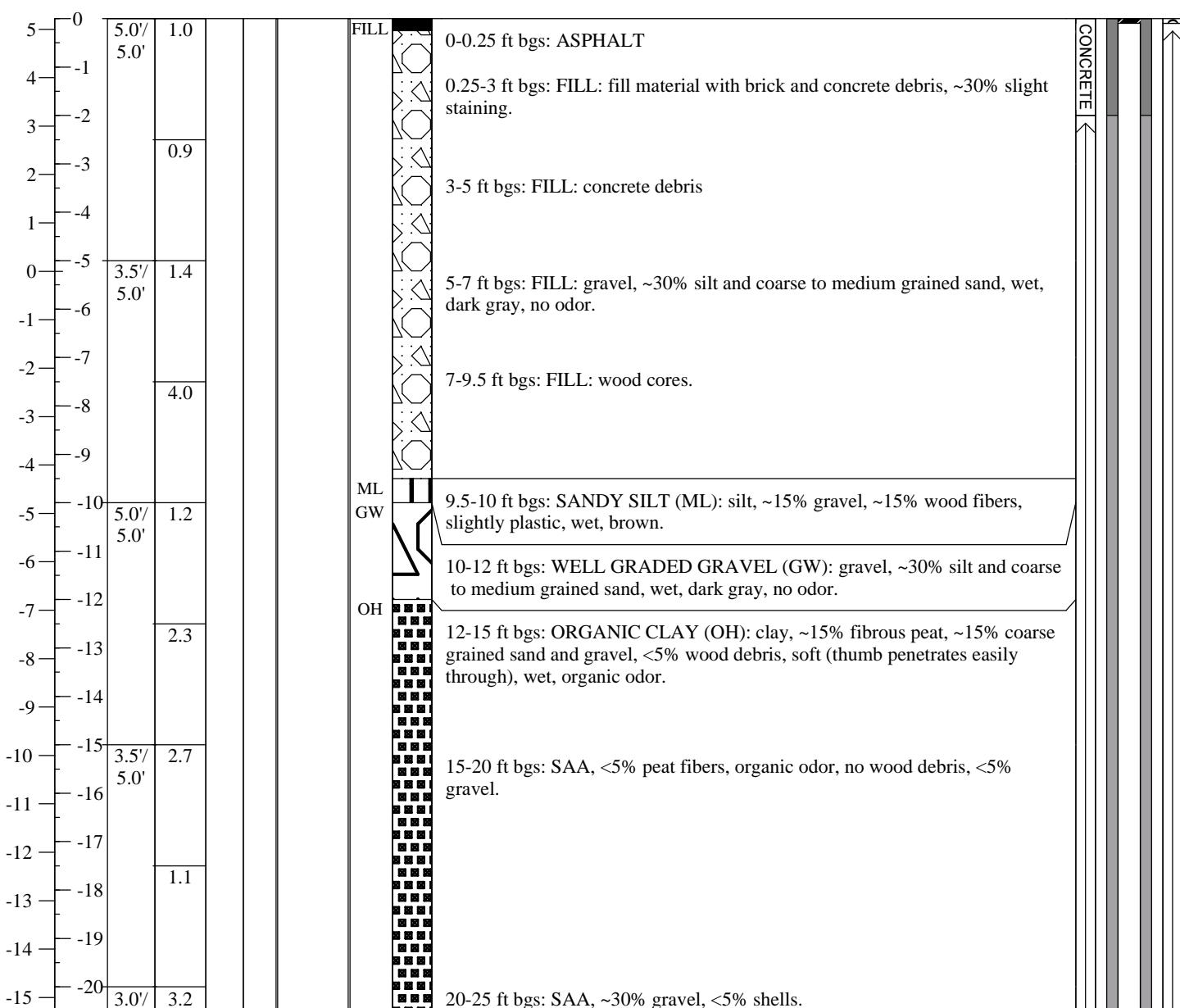
 7) PID - Photo Ionization Detector  
 8) ppm - parts per million  
 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/3/2011  
**Date Started/Completed:** 10/3/2011 - 10/4/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~3.5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 5.22' NAVD 88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-23D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-23D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

7) PID - Photo Ionization Detector

8) ppm - parts per million

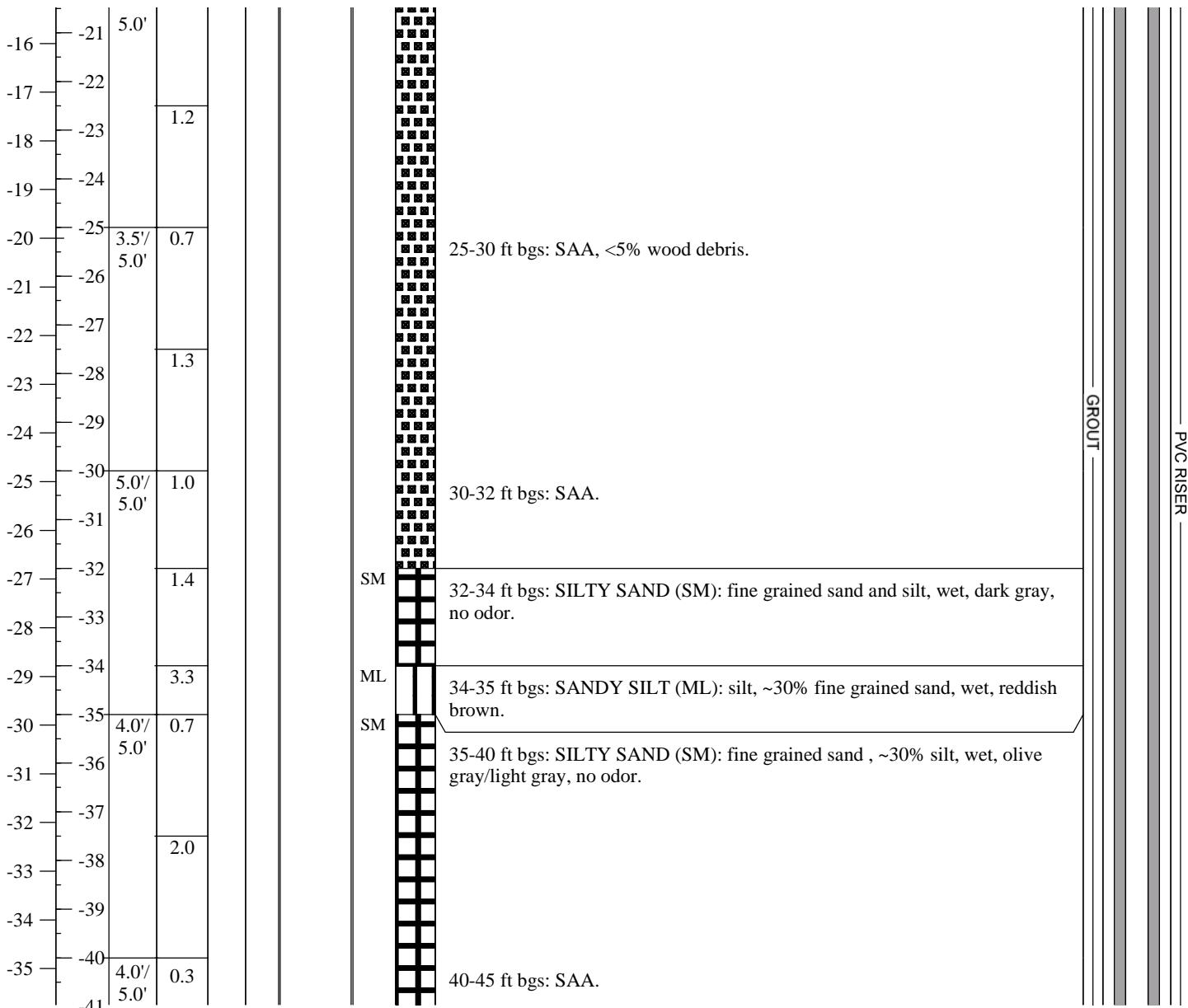
9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/3/2011  
**Date Started/Completed:** 10/3/2011 - 10/4/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~3.5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 5.22' NAVD 88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-23D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-23D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

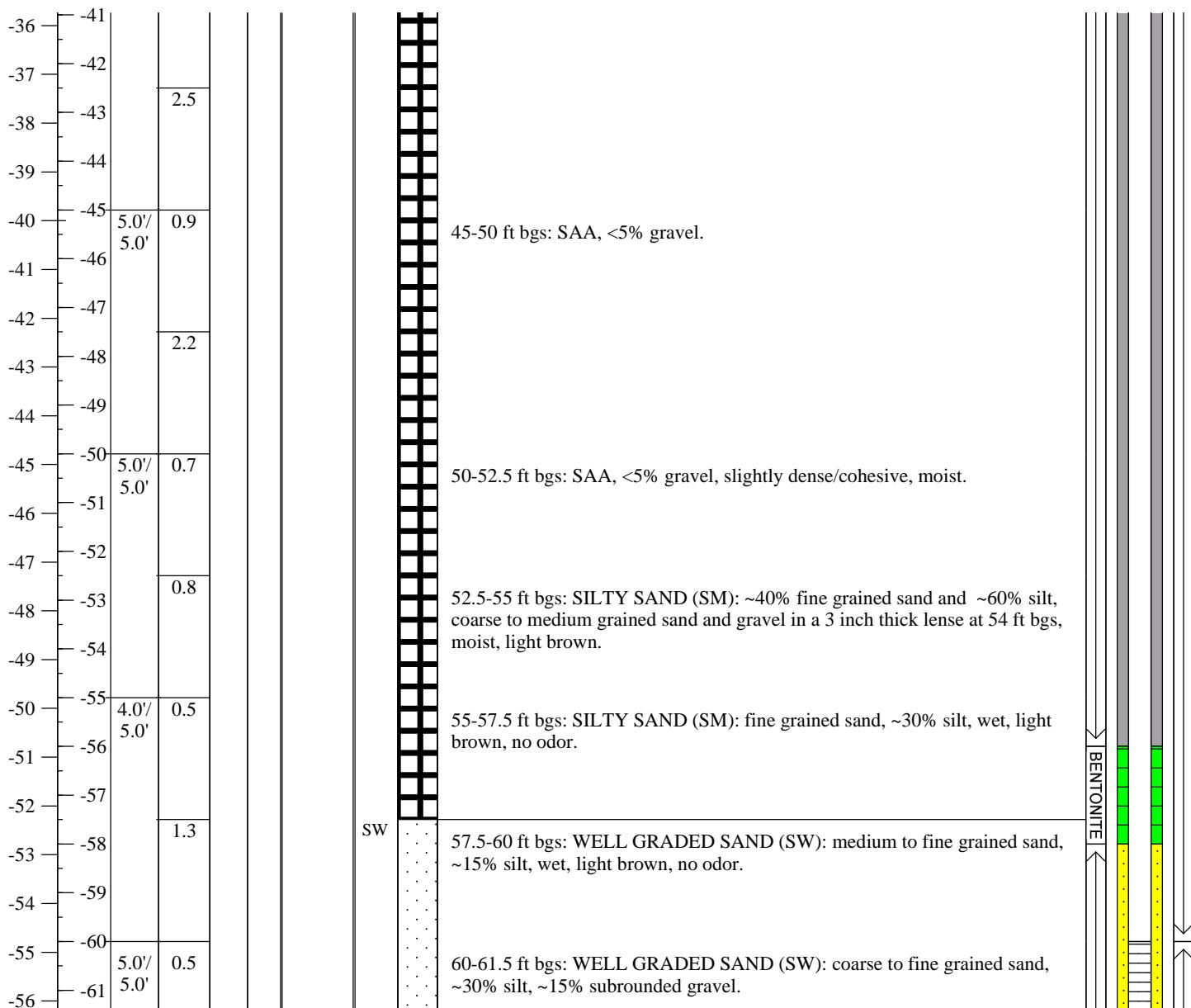
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/3/2011  
**Date Started/Completed:** 10/3/2011 - 10/4/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~3.5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 5.22' NAVD 88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-23D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-23D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

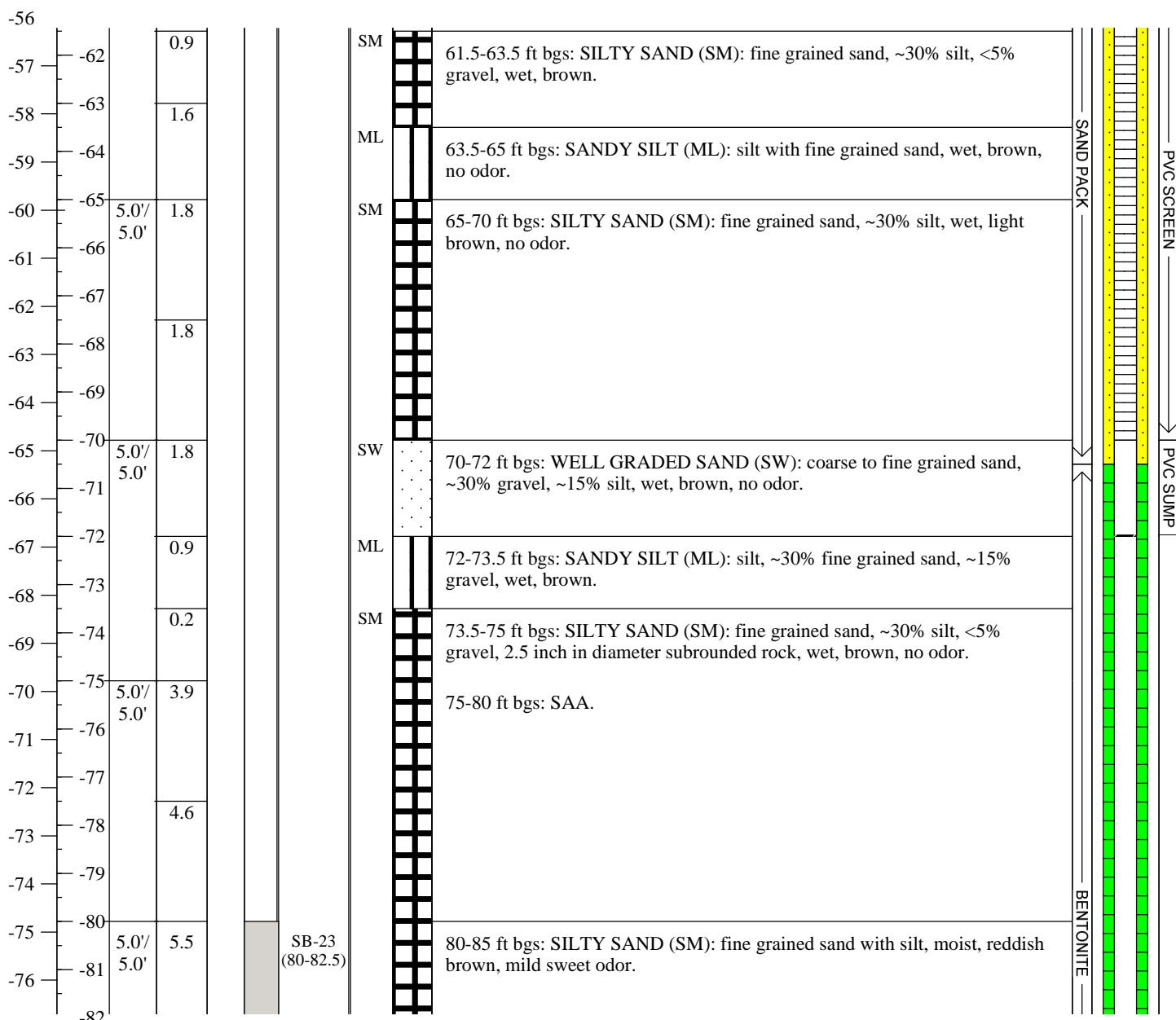
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/3/2011  
**Date Started/Completed:** 10/3/2011 - 10/4/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~3.5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 5.22' NAVD 88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-23D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-23D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

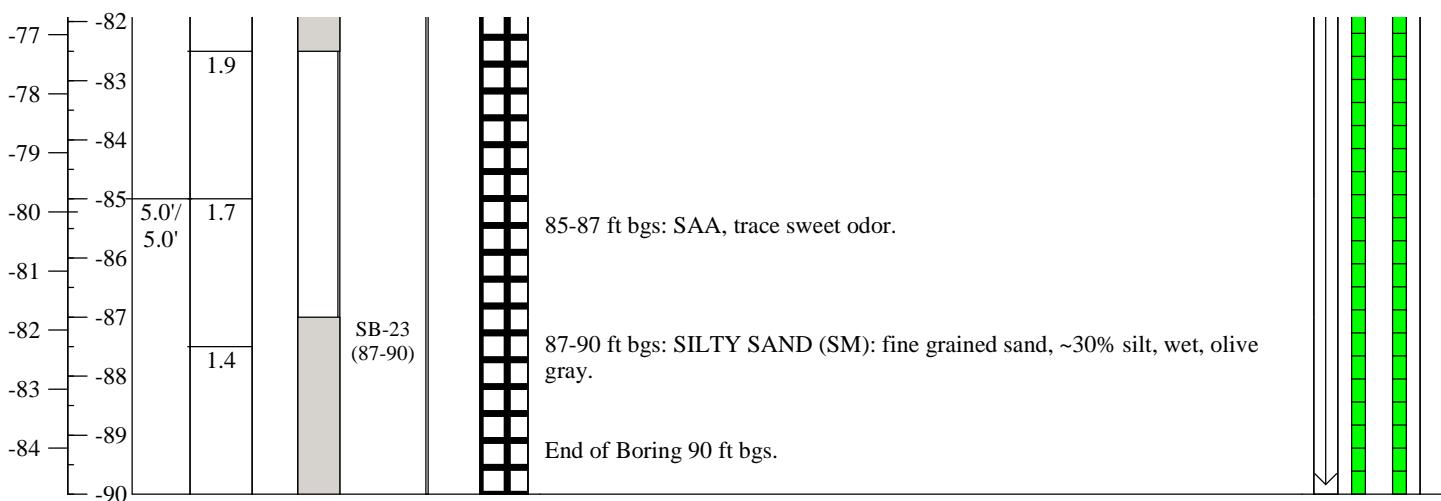
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/3/2011  
**Date Started/Completed:** 10/3/2011 - 10/4/2011

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~3.5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 5.22' NAVD 88  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-23D

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
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**Notes:**

- 1) Location hand cleared from 0-5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-23D
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.020 slot size
- 5) Sand pack #0
- 6) No Meadow Mat Present
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid



# Boring ID: SB-24

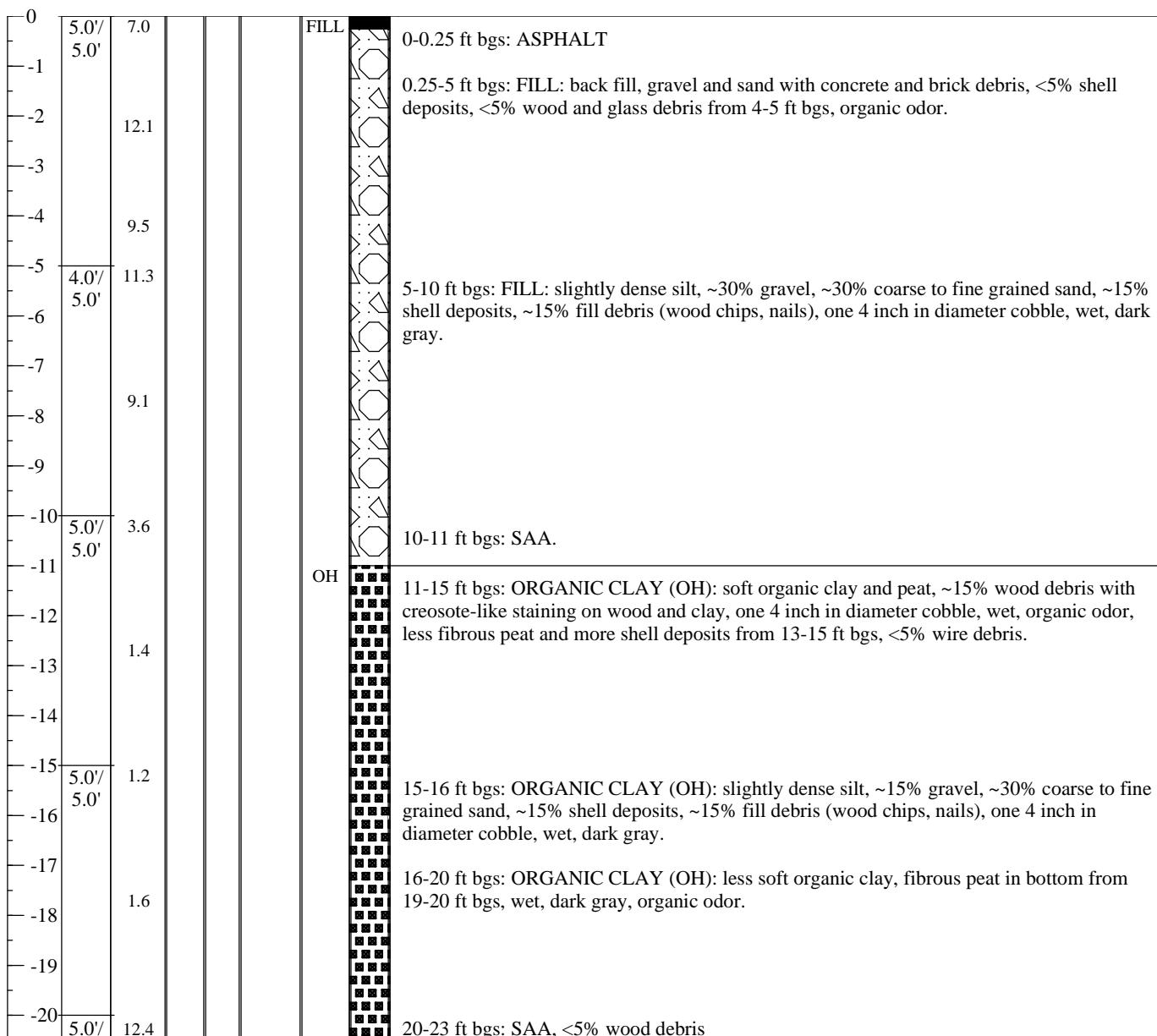
Page 1 of 5

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 10/11/11  
**Date Started/Completed:** 10/11/11 - 10/12/11

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8 inches  
**Logged By:** Luis Ferreira

**Water Level:** ~5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 8.16' NAVD 88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

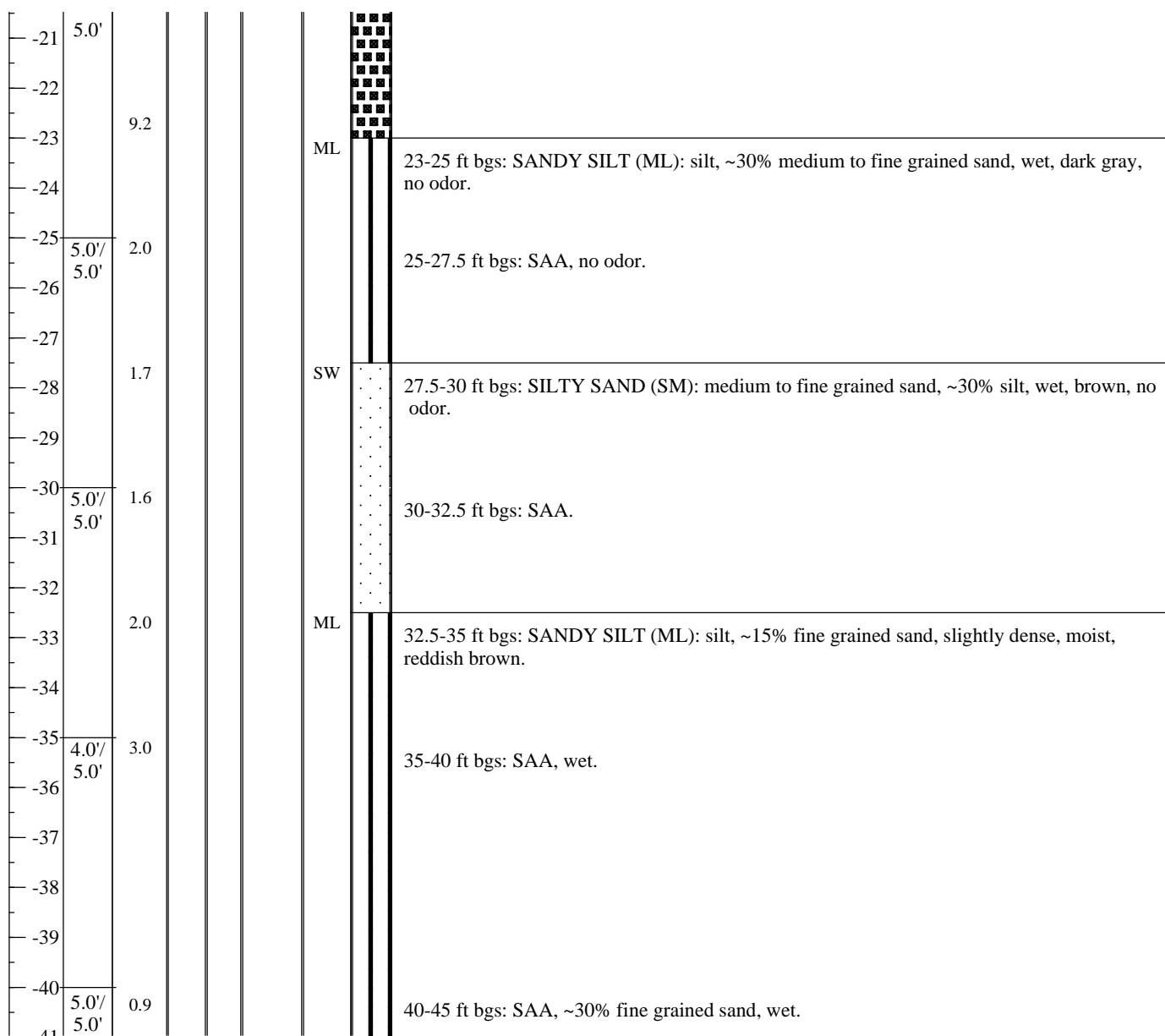
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 10/11/11  
**Date Started/Completed:** 10/11/11 - 10/12/11

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8 inches  
**Logged By:** Luis Ferreira

**Water Level:** ~5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 8.16' NAVD 88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

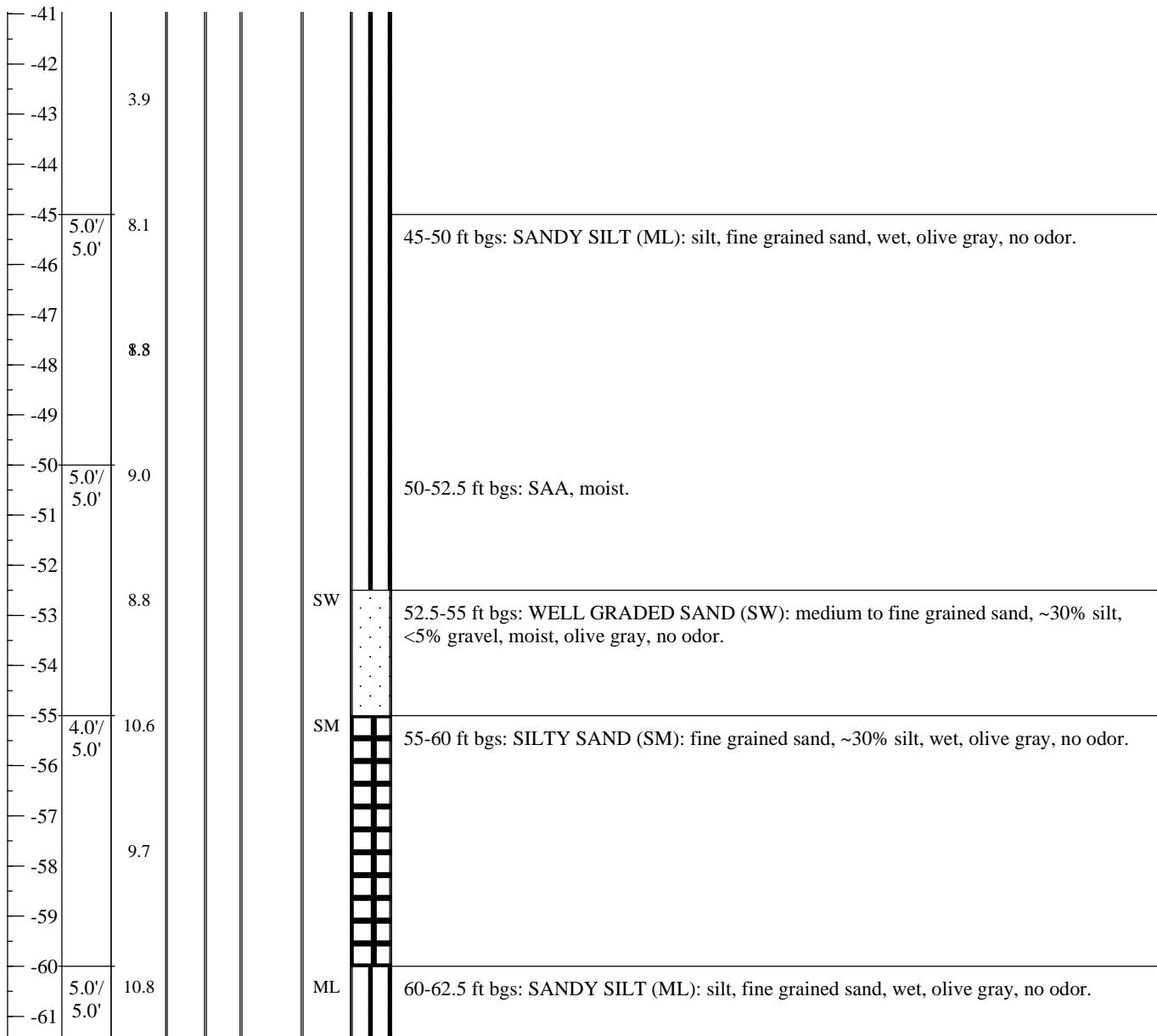
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 10/11/11  
**Date Started/Completed:** 10/11/11 - 10/12/11

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8 inches  
**Logged By:** Luis Ferreira

**Water Level:** ~5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 8.16' NAVD 88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid



# Boring ID: SB-24

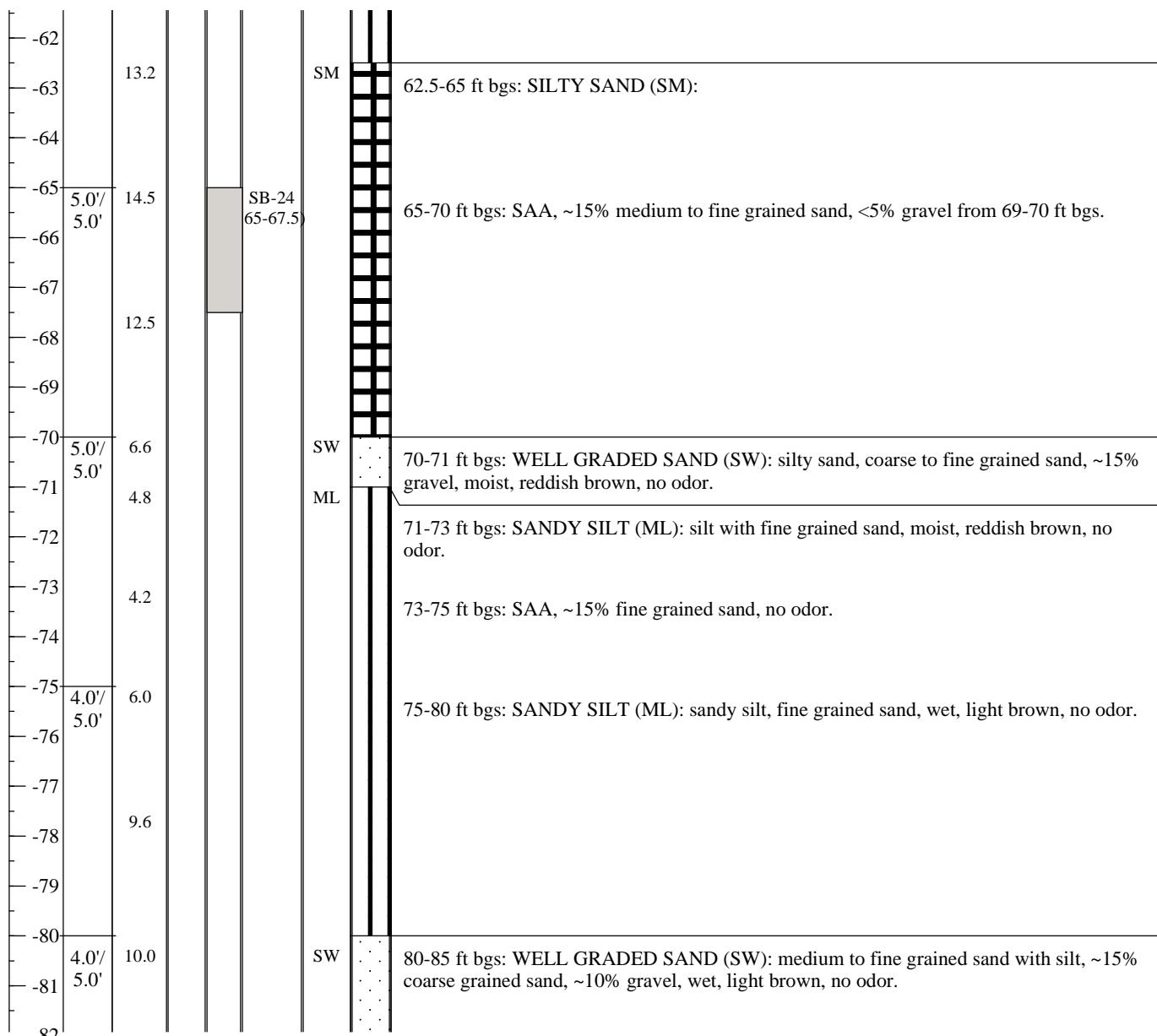
Page 4 of 5

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 10/11/11  
**Date Started/Completed:** 10/11/11 - 10/12/11

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8 inches  
**Logged By:** Luis Ferreira

**Water Level:** ~5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 8.16' NAVD 88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

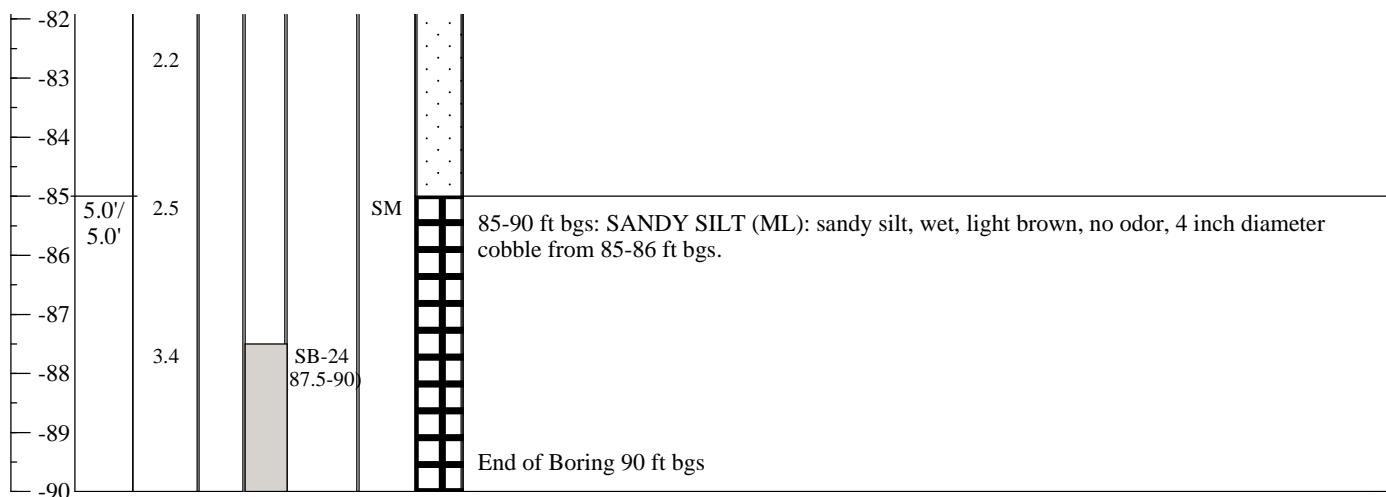
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 10/11/11  
**Date Started/Completed:** 10/11/11 - 10/12/11

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8 inches  
**Logged By:** Luis Ferreira

**Water Level:** ~5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 8.16' NAVD 88  
**Converted To Well (Y/N):** NO  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
-82								

**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

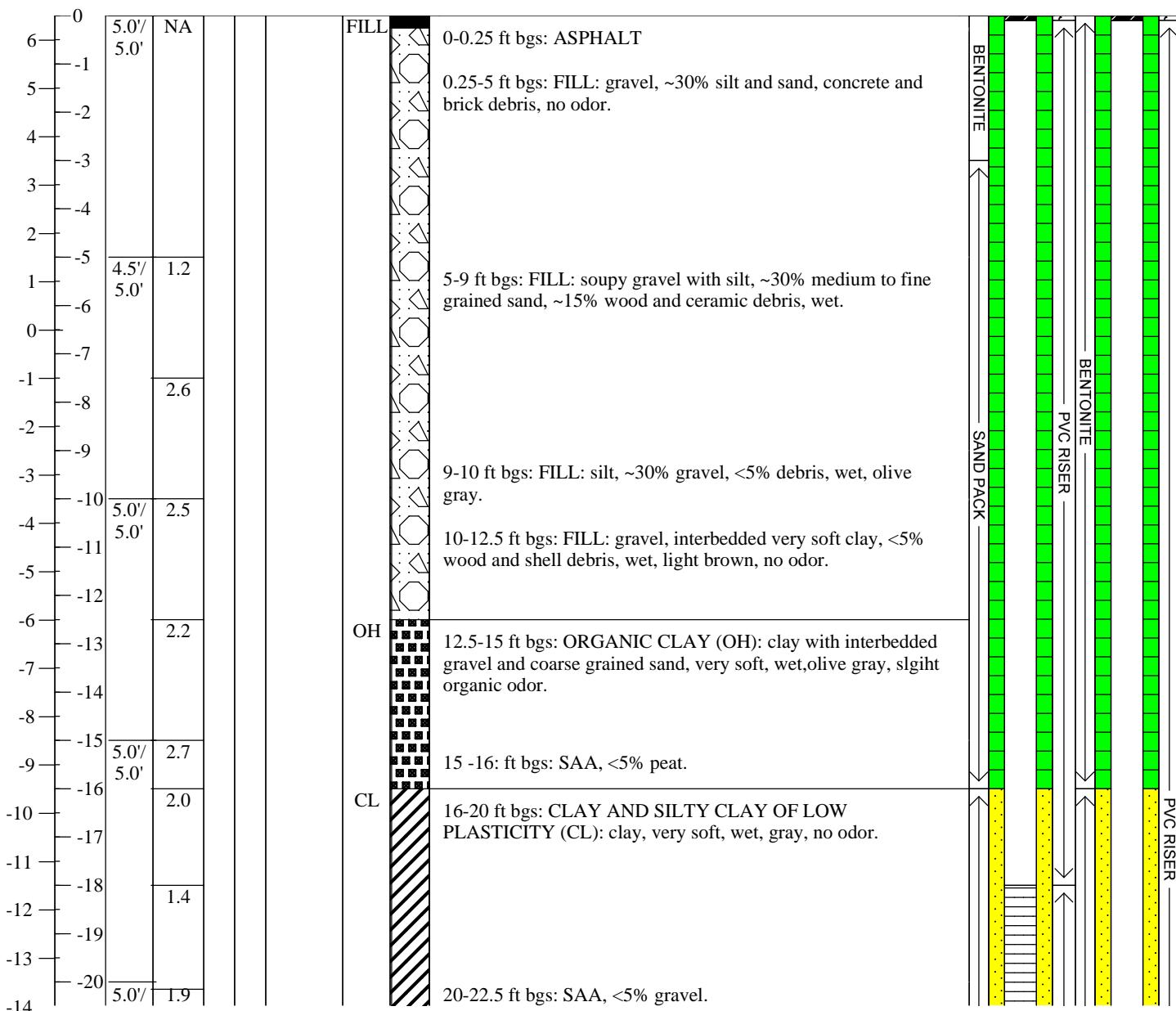
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/12/11  
**Date Started/Completed:** 10/12/11 - 10/13/11

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 6.51 ft bgs  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-25S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-25S MW-25I


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-25S/25I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

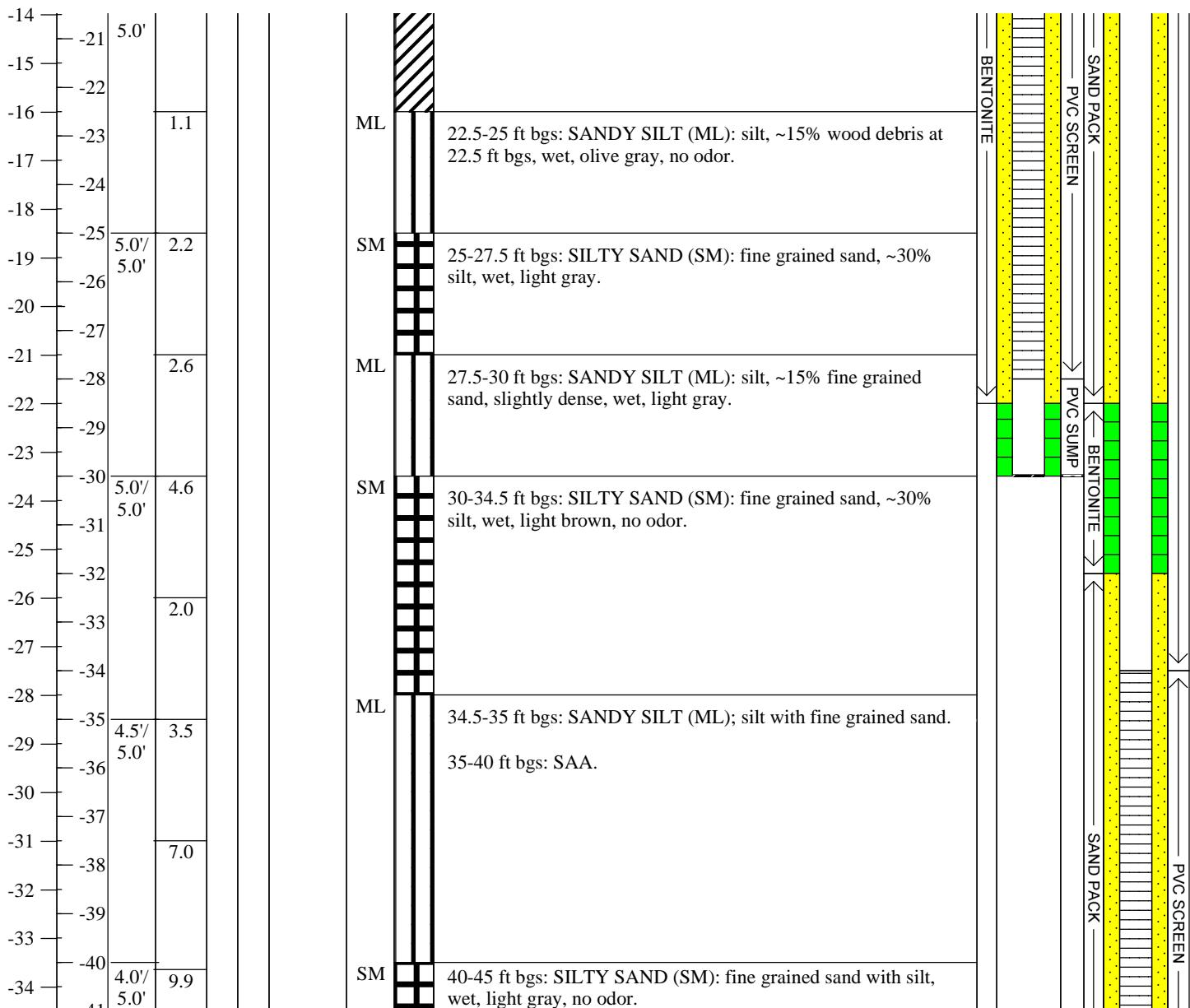
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/12/11  
**Date Started/Completed:** 10/12/11 - 10/13/11

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 6.51 ft bgs  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-25S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-25S


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-25S/25I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

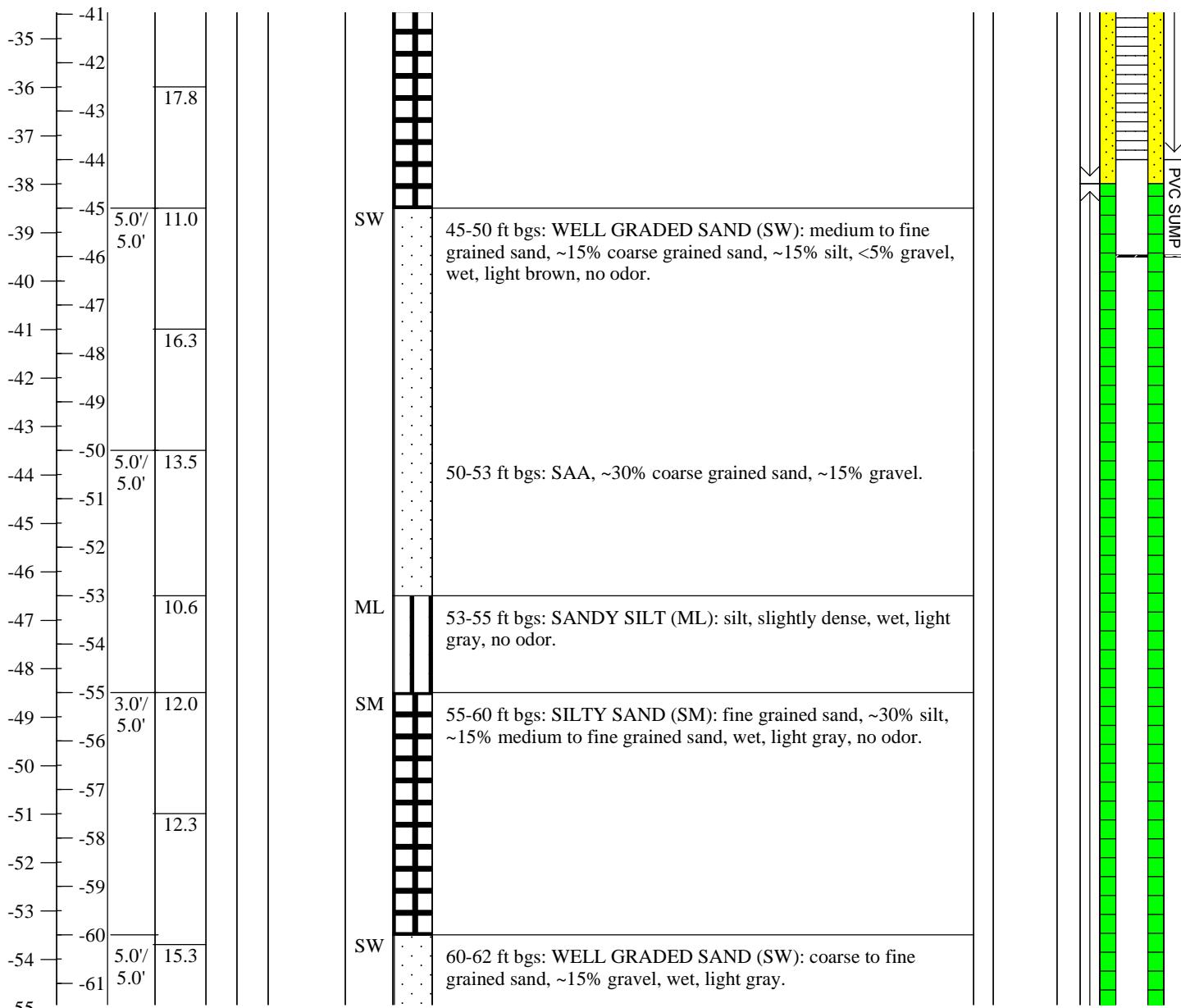
 7) PID - Photo Ionization Detector  
 8) ppm - parts per million  
 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361  
**Client:** National Grid  
**Date Pre-Cleared:** 10/12/11  
**Date Started/Completed:** 10/12/11 - 10/13/11

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** 8"  
**Logged By:** Luis Ferreira

**Water Level:** ~5 ft bgs  
**Total Depth:** 90 ft bgs  
**Ground Elevation:** 6.51 ft bgs  
**Converted To Well (Y/N):** YES  
**Well ID:** MW-25S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-25S
										MW-25I


**Notes:**

- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-25S/25I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S. - Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

6) SAA - Same As Above

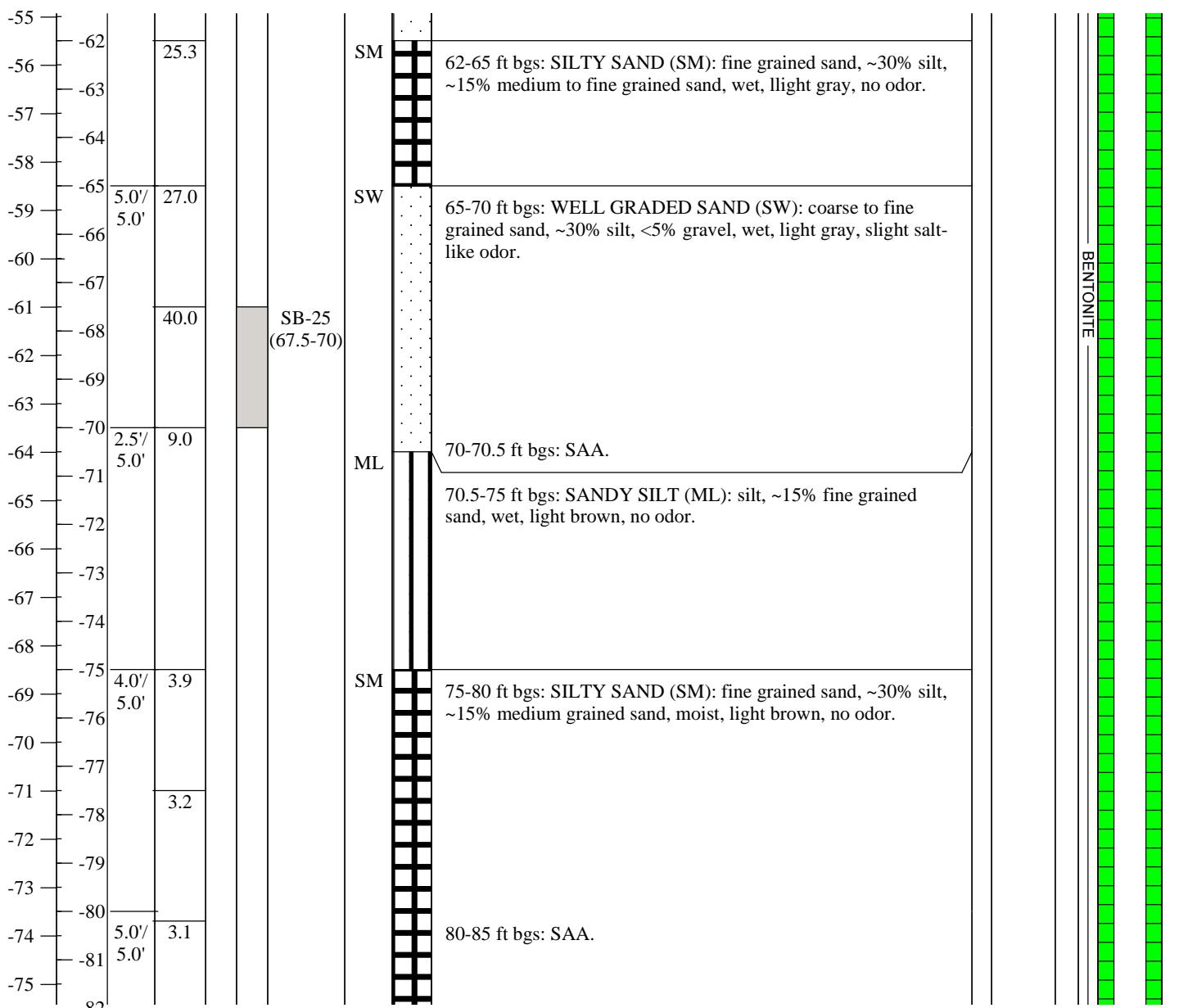
7) PID - Photo Ionization Detector

8) ppm - parts per million

9) NAPL - Non-Aqueous Phase Liquid

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~5 ft bgs
<b>Project Number:</b> 60137361	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 90 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 6.51 ft bgs
<b>Date Pre-Cleared:</b> 10/12/11	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> YES
<b>Date Started/Completed:</b> 10/12/11 - 10/13/11	<b>Logged By:</b> Luis Ferreira	<b>Well ID:</b> MW-25S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-25S MW-25I


**Notes:**

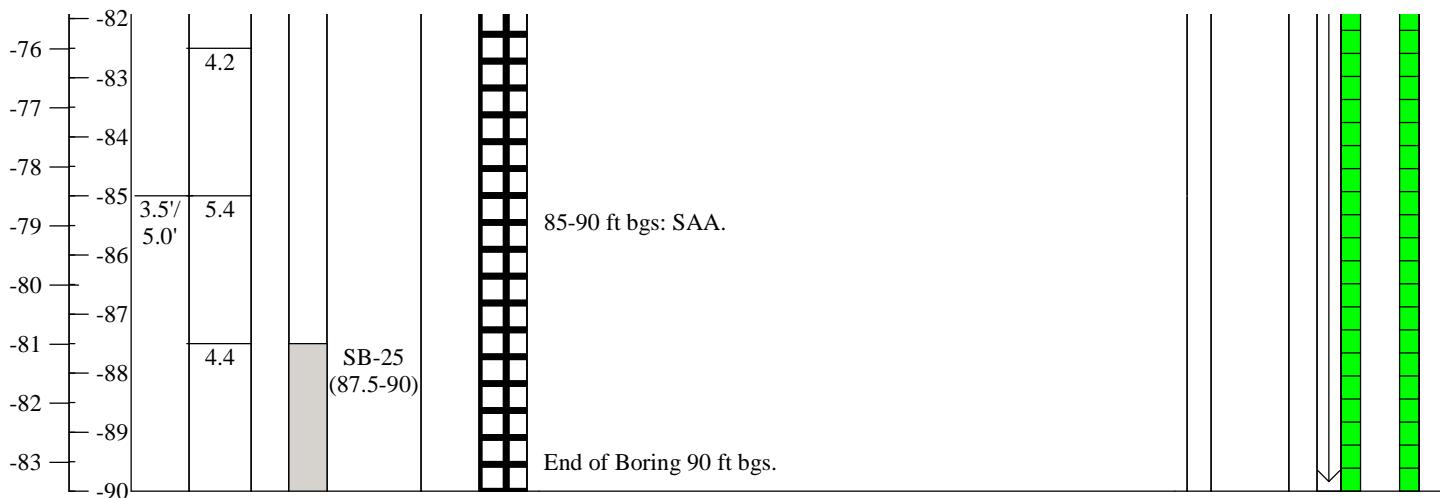
- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-25S/25I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~5 ft bgs
<b>Project Number:</b> 60137361	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 90 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 6.51 ft bgs
<b>Date Pre-Cleared:</b> 10/12/11	<b>Boring Diameter:</b> 8"	<b>Converted To Well (Y/N):</b> YES
<b>Date Started/Completed:</b> 10/12/11 - 10/13/11	<b>Logged By:</b> Luis Ferreira	<b>Well ID:</b> MW-25S/I

Elevation (ft)	Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description	Well Construction
										MW-25S MW-25I


**Notes:**

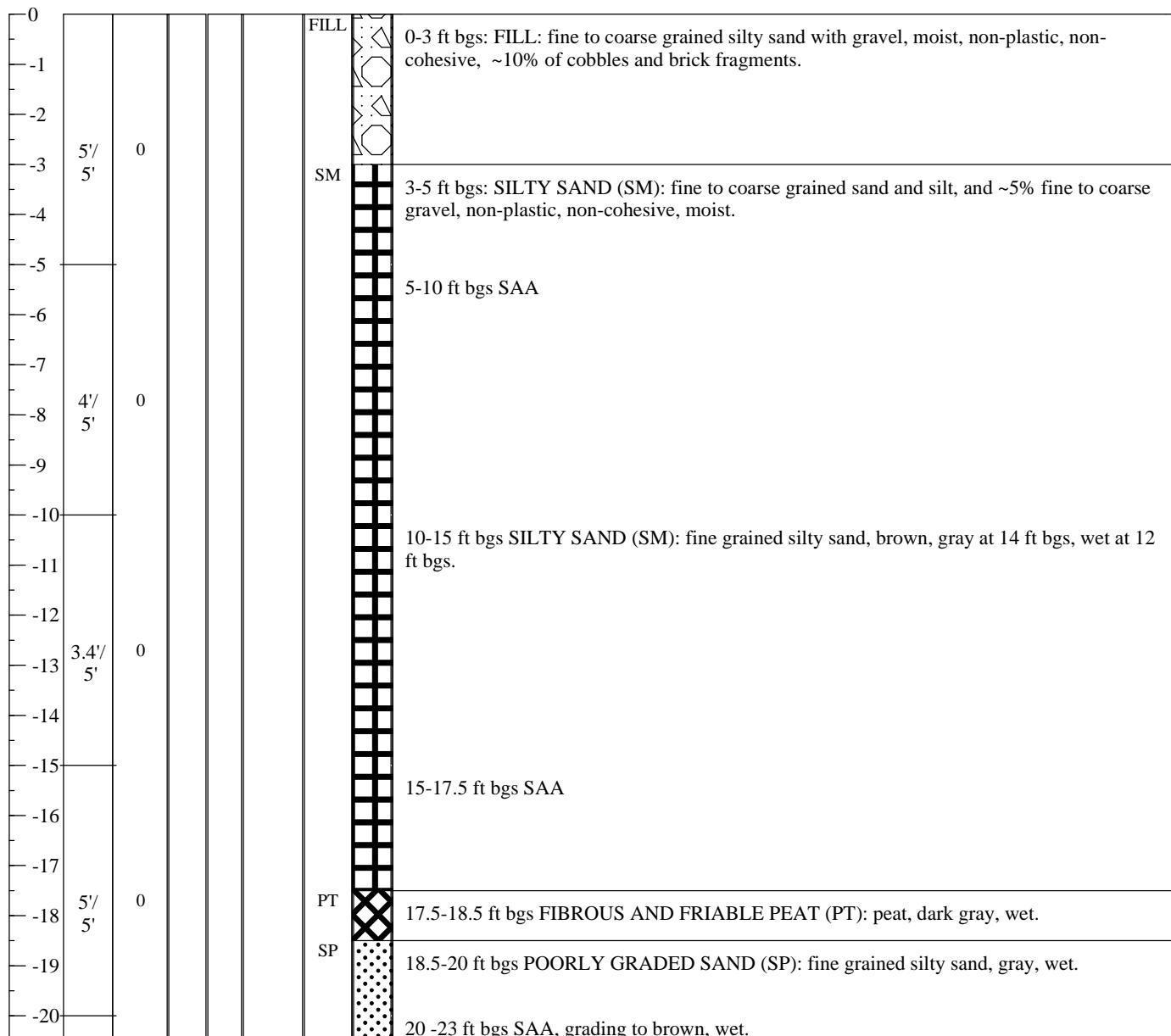
- 1) Location was hand cleared to 5 ft bgs.
- 2) Boring was converted into Monitoring Well: MW-25S/25I
- 3) Riser Pipe: PVC sch. 40, 2" diameter
- 4) Screen: PVC sch. 40, 2" diameter, 0.010 slot size
- 5) Sand pack #0
- 6) Meadow Mat Observed
- 7) Impacts include visual and olfactory

**Definitions:**

- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

<b>Project Name:</b> Metropolitan Former MGP	<b>Drilling Company:</b> Boart Longyear	<b>Water Level:</b> ~12 ft bgs
<b>Project Number:</b> 60137361-300	<b>Drilling Method:</b> Sonic	<b>Total Depth:</b> 70 ft bgs
<b>Client:</b> National Grid	<b>Sampling Method:</b> 5' disposable plastic liner	<b>Ground Elevation:</b> 12.35 ft NAVD88
<b>Date Pre-Cleared:</b> 3/12/12	<b>Boring Diameter:</b> TBD	<b>Converted To Well (Y/N):</b> No
<b>Date Started/Completed:</b> 3/12/12- 3/13/12	<b>Logged By:</b> Steve Wright	<b>Well ID:</b> NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description


**Notes:**

- 1) The location was pre-cleaned to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

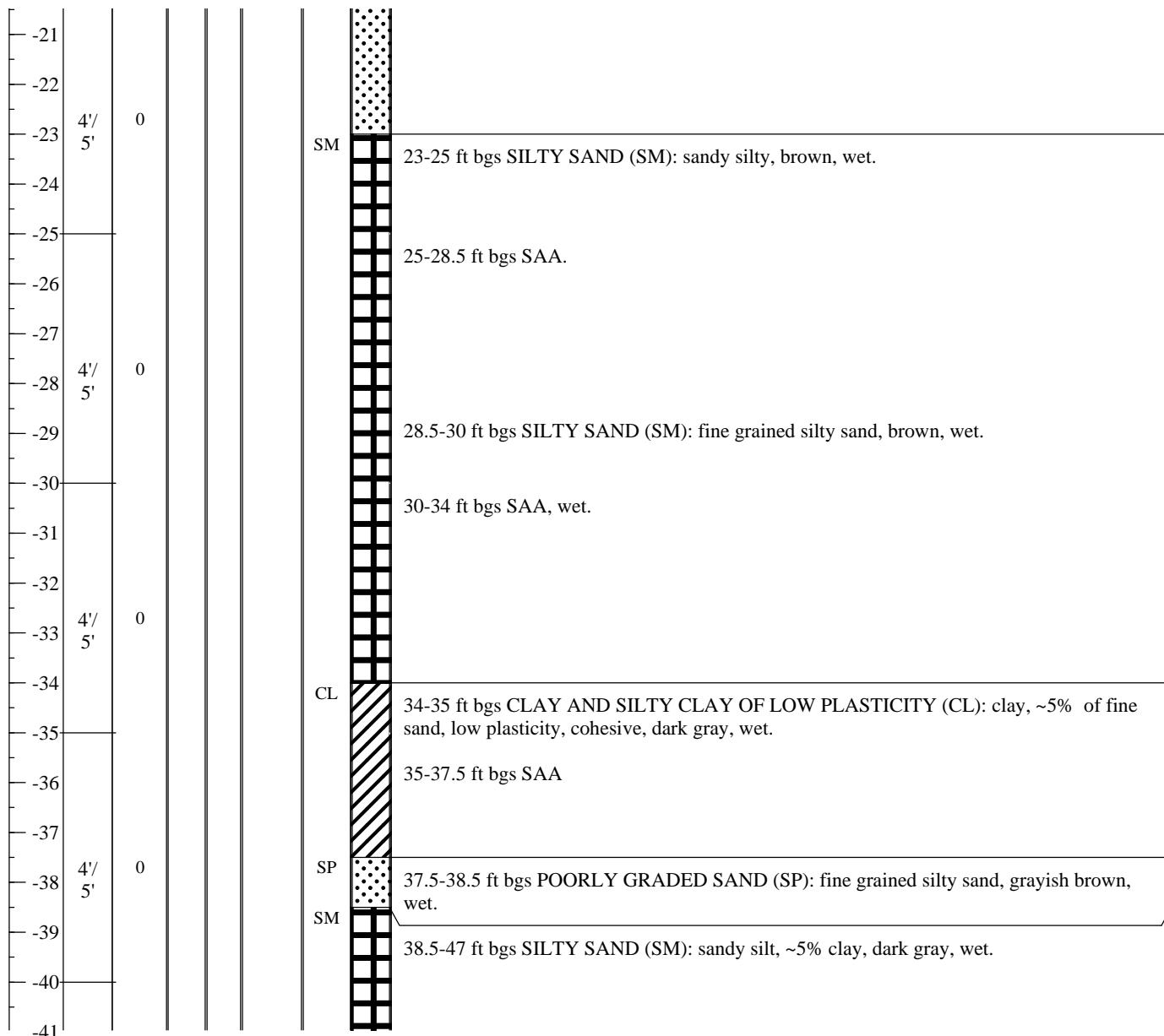
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 3/12/12  
**Date Started/Completed:** 3/12/12- 3/13/12

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** TBD  
**Logged By:** Steve Wright

**Water Level:** ~12 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 12.35 ft NAVD88  
**Converted To Well (Y/N):** No  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S	Lithology	Geologic Description
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**Notes:**

- 1) The location was pre-cleared to 5 ft bgs by hand-digging
- 2) Meadow Mat Present
- 3) Impacts include visual and olfactory

**Definitions:**

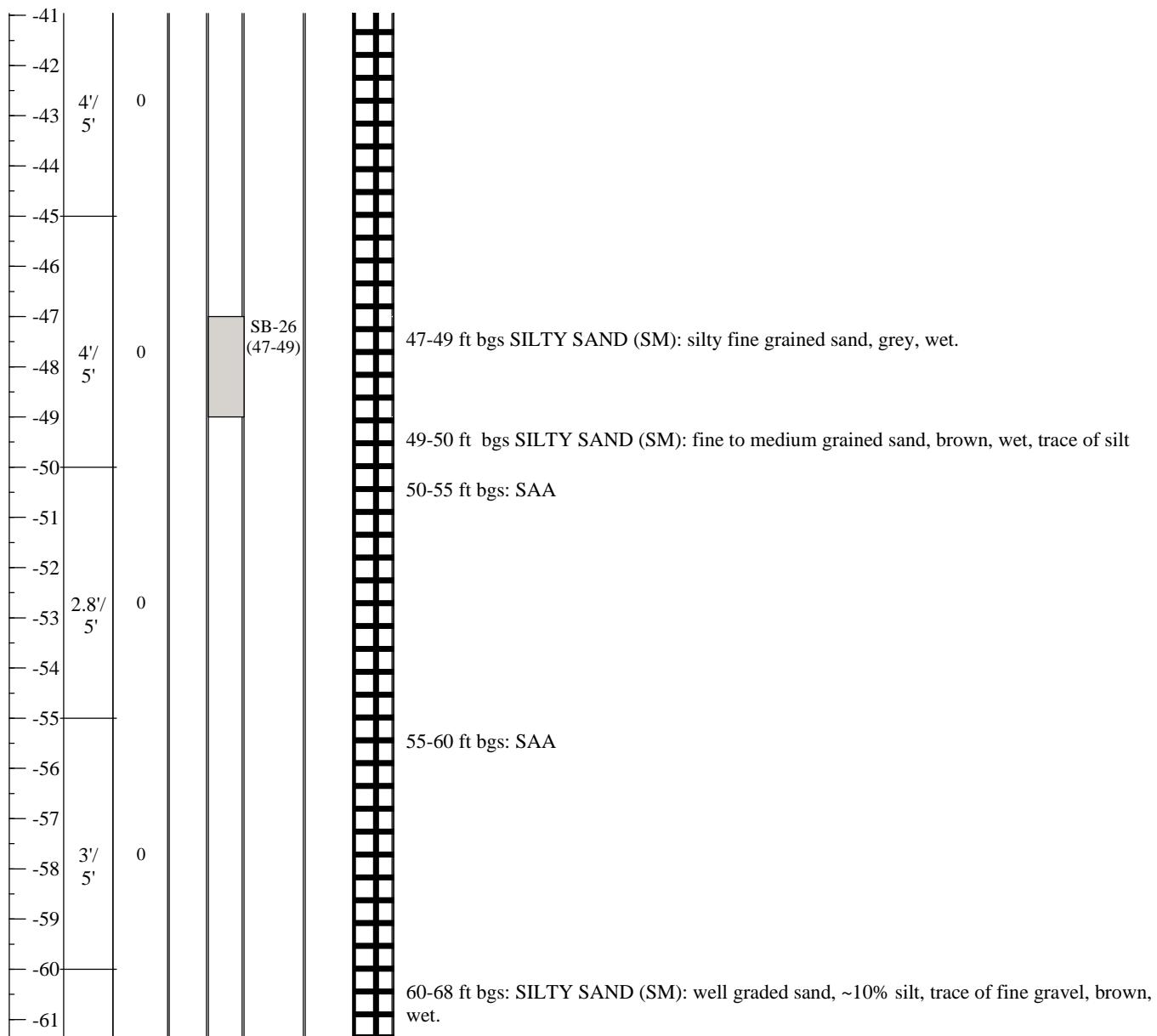
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 3/12/12  
**Date Started/Completed:** 3/12/12- 3/13/12

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** TBD  
**Logged By:** Steve Wright

**Water Level:** ~12 ft bgs  
**Total Depth:** 70 ft bgs  
**Ground Elevation:** 12.35 ft NAVD88  
**Converted To Well (Y/N):** No  
**Well ID:** NA

Depth (ft)	Recovery (ft)	PID (ppm)	Impacts	Interval Sampled	Sample ID	U.S.C.S.	Lithology	Geologic Description
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**Notes:**

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**Definitions:**

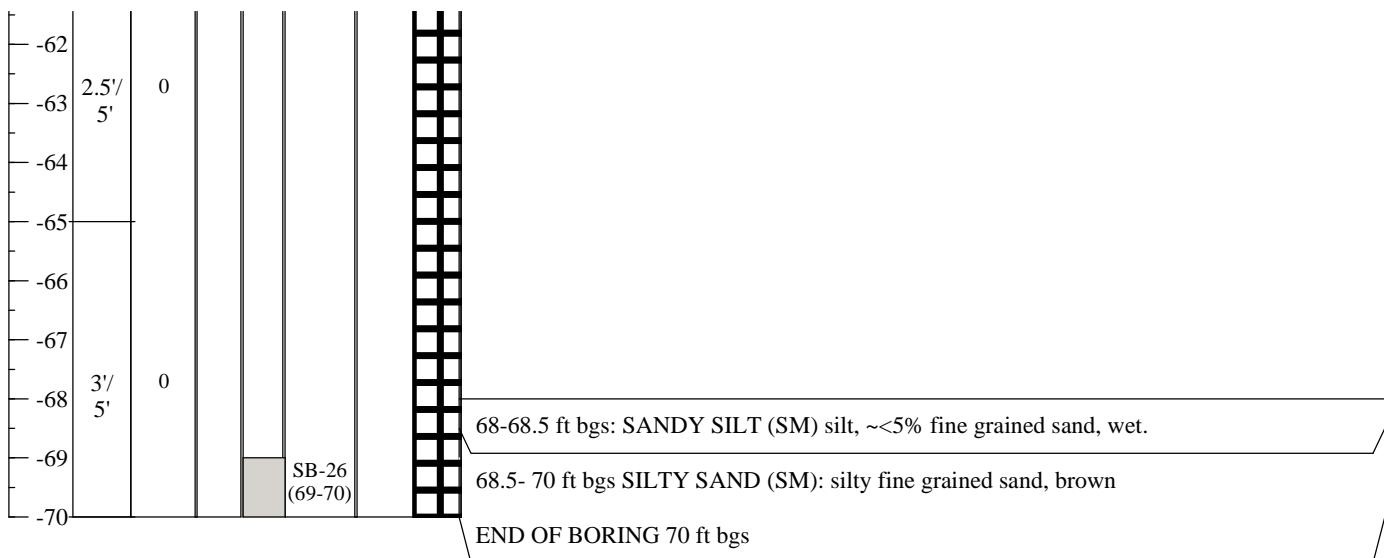
- 1) NA - Not Applicable
- 2) ft - feet
- 3) bgs - below ground surface
- 4) U.S.C.S.- Unified Soil Classification System
- 5) NAVD 88 - North American Vertical Datum of 1988
- 6) SAA - Same As Above
- 7) PID - Photo Ionization Detector
- 8) ppm - parts per million
- 9) NAPL - Non-Aqueous Phase Liquid

**Project Name:** Metropolitan Former MGP  
**Project Number:** 60137361-300  
**Client:** National Grid  
**Date Pre-Cleared:** 3/12/12  
**Date Started/Completed:** 3/12/12- 3/13/12

**Drilling Company:** Boart Longyear  
**Drilling Method:** Sonic  
**Sampling Method:** 5' disposable plastic liner  
**Boring Diameter:** TBD  
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**Water Level:** ~12 ft bgs  
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