8404 Six Forks Road, Suite 203, Raleigh, NC 27615-3072
Phone (919) 844-9890 Fax (919) 844-0917 Cell/VM (408) 892-3233
Web site: *www.ishincusa.com* Email: *ishwar@ishincusa.com*
Serving Electric & Gas Utilities since 1998

January 8, 2013

Mr. Lech Dolata
New York State Department of Environmental Conservation
Remediation Action Bureau C
625 Broadway, 11th Floor
Albany, New York 12233-7013

RE: NYSEG 50 Ossian Street, Dansville former MGP
Results from Supplemental Pre-Design Soil Boring Investigation
November 2012
Site # 8-26-012

Dear Mr. Dolata:

On behalf of our client New York State Electric & Gas Corporation (NYSEG), Ish Inc. has prepared this letter report to describe the field work performed and a summary of findings from the Supplemental Pre-Design Soil Boring Investigation. This work was described in a work plan dated August 2012 and was subsequently approved by the Department for implementation.

Background Summary

As indicated in the approved August 2012 work plan, the field investigation was conducted as part of the supplemental pre-design investigation (PDI) by NYSEG in support of the New York State Department of Environmental Conservation (NYSDEC) selected remedy for Operable Unit 1 (OU1) of the Dansville former manufactured gas plant (MGP) site located in Dansville, New York. The NYSDEC selected remedy is presented in the Dansville OU1 Record of Decision (OU1 ROD) dated March 2008 (NYSDEC, 2008).

The initial PDI activities summarized in the PDI Report (June 2009) were required to further delineate the lateral and vertical extent of excavation areas tentatively identified in the OU1 ROD, and to obtain geotechnical data required to complete the remedial design (as Phase V) of the NYSDEC selected remedy. In consultation with the DEC, it was determined that a 2-foot or greater NAPL thickness would be used as the criteria to determine remedial excavation in the OU-1 area.

Since the initial PDI work was completed, the existing service center building at the site was demolished (September 2012). Therefore, supplemental PDI work was planned to delineate impacts underneath the footprint of the former service center building and some of the surrounding areas. The initial and supplemental PDI data are being used to better define the subsurface soils in the OU1 area that meet the excavation criteria.

Summary of Field Activities

On November 8 through November 13, 2012, 34 soil borings (SD36 through SD69) were installed within the footprint of the former NYSEG service center and in the surrounding areas in an approximate 30-foot by 30-foot grid to the maximum drilling depth of 20 feet below ground surface (bgs). The soil borings were advanced by the drilling subcontractor, MICAH Group using direct push drilling with dual-tube sampling techniques. An Ish Inc. team member provided professional oversight to document the soil borings and subsurface conditions. The soil boring locations are shown on Figure 1 and geologic cross-sections are shown on Figures 2 through 5. The borings were tremie-grouted upon completion with a cement-bentonite grout and finished with 5 inches of concrete on the top. The location and elevation of the soil borings were professionally surveyed by C.T. Male on November 13, 2012.

Prior to performing drilling activities, Dig Safely New York was contacted to identify underground utilities, including electric, telephone, fiber optic, water supply, sewer, natural gas, etc. (Ticket # 11012-166-024). In addition, each boring location was cleared for utilities with ground penetrating radar.

Soil boring logs were prepared and are provided in Appendix A. Real time air monitoring was conducted during the Supplemental PDI field work as described in the Community Air Monitoring Plan (CAMP). CAMP Reports are attached in Appendix B.

Soil Boring Observations

Based on observations from SD36 through SD69, the soil in the area immediately below the former service center foundation and the surrounding asphalted areas consists of silt, sand, and/or clay with brick, glass, coal, coke, slag, and/or other debris from approximately 0.5 to a maximum depth of 10 feet bgs (SD55). Generally, anthropogenic fill was found to about 4 feet bgs except in the northern portion of the site, where it extended to about 6 feet bgs. Beneath this fill layer are varying layers of clay, clayey silt, silty clay, silt, silty sand, sand, and/or gravel which extend to the maximum drilling depth of 20-feet bgs. Wet materials were encountered between 10-15 feet bgs.

The confining layer which consists of clay and/or clayey silt was encountered at approximately 15 feet bgs in all of the borings with the exception of locations SD38 (no recovery for 15-20 feet), SD40, SD45, SD55, SD56 (no recovery for 15-20 feet), and SD66 (no recovery for 15-20 feet). Visual evidence of NAPL and/or sheens was not identified at depth greater than 17 feet bgs in any of the supplemental PDI borings.

Please refer to the three attached geologic cross-sections for additional information on the site geology and presence of NAPL and/or sheens.

Olfactory evidence of gasoline-like odors was observed in nine locations. Eight of these locations (SD40, SD41, SD42, SD43, SD44, SD51, SD52, and SD53) are located in the western portion of the former service center and adjoining asphalt area. The gasoline-like odors in these borings were noted at depths ranging from 10 to 20 feet bgs. The ninth soil boring, SD60, which is located in the eastern portion of the site, had a shallow (5-10 feet bgs) gasoline-like odor. It should be noted that what appeared to be an abandoned, closed in place (gravel fill), underground storage tank (UST) was partially unearthed (to a depth of approximately four feet bgs) on November 8, 2012 while severing an abandoned water line used by the former service center. The abandoned UST is located adjacent to the southwest corner of the former service center in the asphalt and grassy area between borings SD41 and SD40. The former contents of the UST are unknown.

Olfactory evidence of coal-tar like odors was observed at depths ranging from 6 to 20 feet bgs in all of the soil borings with the exception of SD42, SD43, SD52, SD53, SD54, and SD59. Visual evidence of coal-tar like NAPL and sheens with varying thicknesses was observed at depths ranging from 9.4 to 17 feet bgs in 23 of the 34 soil borings. Visual evidence of NAPL and/or sheens greater than two feet thick were identified in soil borings SD37, SD38, SD44, SD47, SD48, SD49, SD55, SD57, SD58, SD61, SD62, SD63, SD64, SD65, SD68, and SD69. A tabulation of the soil boring observations is presented below.

No soil samples were collected for chemical analysis as per work plan.

Table 1: Soil Boring Observations

Boring ID	Visual/Olfactory Observations	Max PID Reading
SD36	Slight NAPL globules from 11.2-12.2 feet bgs. Slight coal-tar like odor from 12.2-20 feet bgs.	102 29.5
SD37	Heavy sheen and significant NAPL globules from 11.1-15 feet bgs. Faint coal-tar like odor from 15-20 feet bgs.	262 14.4
SD38	Faint coal-tar like odor from 10-11.5 feet bgs. Significant NAPL globules from 11.5-15 feet bgs No recovery from 15-20 feet bgs.	15.2 300 NA
SD39	Moderate to faint coal-tar like odor from 10.8-20 feet bgs. Some NAPL globules from 12.1-13.2 feet bgs.	255 44
SD40	Slight gasoline-like odor from 11-15 feet bgs. Slight to faint coal-tar like odors from 11-20 feet bgs.	86 86
SD41	Slight to moderate gasoline-like odor from 12.1-15 feet bgs. Moderate to faint coal-tar like odor from 12.1-20 feet bgs. Slight sheen from 14.5-16 bgs with NAPL globules from 15-16 feet bgs.	582 582 86.7

Boring ID	Visual/Olfactory Observations	Max PID Reading
SD42	Moderate gasoline-like odor from 10-15 feet bgs.	378
SD43	Strong to faint gasoline-like odor from 10-20 feet bgs.	1006
SD44	Slight to moderate gasoline-like odor from 10-11.4 feet bgs. Moderate to faint coal-tar like odor from 12.1-20 feet bgs. Trace NAPL globules from 11.4-13.2 feet bgs. Slight sheen from 13.2-15 feet bgs	572 456 572 331
SD45	Slight to moderate coal-tar like odor from 11.7-13.4 feet bgs. Trace NAPL globules from 12.5-13.4 feet bgs.	128 128
SD46	Slight to moderate coal-tar like odor from 12-15 feet bgs. Trace sheen from 12.5-13.5 feet bgs.	63.3 63.3
SD47	Strong to faint coal-tar like odor from 11.2-20 feet bgs. Heavy sheen from 11.2-13.7 feet bgs. Significant NAPL globules from 13-13.7 feet bgs.	355 355 65.6
SD48	Moderate to faint coal-tar like odor from 11.8-20 feet bgs. Slight sheen and NAPL globules from 13-16 feet bgs.	45.9 22.6
SD49	Strong to slight coal-tar like odor from 10-20 feet bgs. Moderate sheen from 10-15 feet bgs. Moderate NAPL globules from 12-15 feet bgs.	138 138 138
SD50	Moderate to slight coal-tar like odor from 11-20 feet bgs. Moderate sheen from 12.2-13.3 feet bgs.	200 85
SD51	Moderate to slight gasoline-like odor from 10.5-15 feet bgs. Moderate to faint coal-tar like odor from 12.2-20 feet bgs.	1251 58.2
SD52	Strong gasoline-like odor from 11-15 feet bgs.	1664
SD53	Moderate gasoline-like odor from 10-15 feet bgs.	339
SD54	No odor, sheen, or NAPL observations	10
SD55	Slight to moderate coal-tar like odor from 10-15 feet bgs. Slight NAPL globules from 12.5-15 feet bgs.	808 808
SD56	Slight to moderate coal-tar like odor from 13.6-15 feet bgs. No Recovery from 15-20 feet bgs.	199 NA
SD57	Moderate to trace coal-tar like odor from 10-16 feet bgs. Moderate sheen and NAPL globules from 11.5-15 feet bgs.	506 506
SD58	Moderate to slight coal-tar like odor from 10-20 feet bgs. Moderate NAPL globules from 10.6-13.2 feet bgs. Slight sheen from 13.2-15 feet bgs.	747 747 85.2
SD59	No odor, sheen, or NAPL observations	4.9
SD60	Slight gasoline-like odor from 5-10 feet bgs. Slight coal-tar like odor from 10-15 feet bgs.	36.6 41.7
SD61	Faint to strong coal-tar like odor from 8.8-17 feet bgs. Heavy sheen and NAPL globules from 10.4-15 feet bgs. Slight sheen from 15-17 feet bgs.	106 106 23.6
SD62	Strong to faint coal-tar like odor from 6.8-20 feet bgs. Trace NAPL globules from 9.4-10 feet bgs. Moderate sheen from 12-15 feet bgs.	290 290 45.1
SD63	Faint to moderate coal-tar like odor from 6-20 feet bgs. Slight sheen and trace NAPL globules from 10-12.8 feet bgs.	101 101

Boring ID	Visual/Olfactory Observations	Max PID Reading
SD64	Moderate to faint coal-tar like odor from 10-20 feet bgs. Slight sheen from 11.4-14.6 feet bgs. Trace NAPL globules from 13.6-14 feet bgs.	501 501 121
SD65	Moderate to faint coal-tar like odor from 12.15-20 feet bgs. Slight sheen from 12.15-15 feet bgs.	112 112
SD66	Slight to moderate coal-tar like odor from 10-15 feet bgs. Slight sheen from 14-15 feet bgs. No Recovery from 15-20 feet bgs.	88 88 NA
SD67	Slight to faint coal-tar like odor from 10-15 feet bgs.	18
SD68	Moderate to slight coal-tar like odor from 10-20 feet bgs. Slight NAPL globules from 12.5-15 feet bgs.	340 340
SD69	Strong to slight coal-tar like odor from 10-19 feet bgs. Moderate NAPL globules from 10-12.5 feet bgs. Heavy sheen from 15-16 feet bgs.	232 232 85

Based on the initial and supplemental PDI data obtained from Dansville OU1, Ish Inc. is now preparing the remedial design details for a 95% level to be submitted for approval/concurrence by the Department.

Ish Inc. is preparing a work plan for pre-characterization of soils from within the excavation area to determine which layer of excavated soils must be sent to an off-site disposal facility and which layers of the excavation can be reused for subsurface backfill. There will be a number of soil samples collected and analyzed to develop waste profiles for approvals by the disposal and treatment facilities. This work plan will also include proposed investigations for obstructions determination in the alignment of the sheet piles which are being designed concurrently now. This pre-characterization work plan will be submitted within the next week or so for approval by the Department and NYSEG expects to conduct the field work in January soon after approval by the Department.

If you have any questions about this submission, please do not hesitate to call me at 408-892-3233 or to John Ruspantini at 607-762-8787. Please send the Department's official correspondence on this topic to John Ruspantini who is the NYSEG Project Manager.

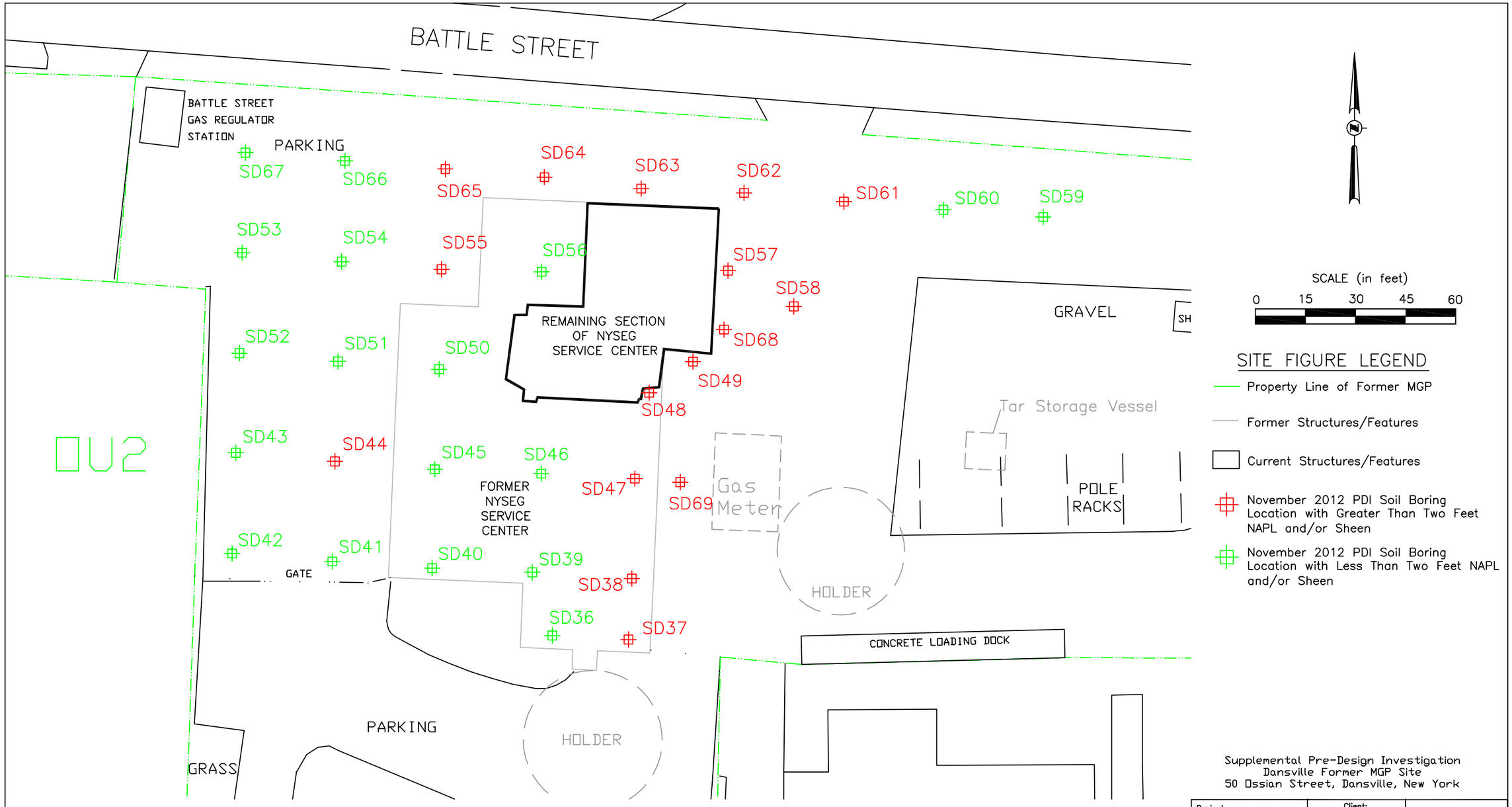
Best regards,

Ishwar P. Murarka, Ph.D., MBA
Executive Scientist and President

Enclosures: Figures, Boring Logs, and CAMP Reports

Cc: John Ruspantini, NYSEG
K. Comerford, NYSDOH

FIGURES

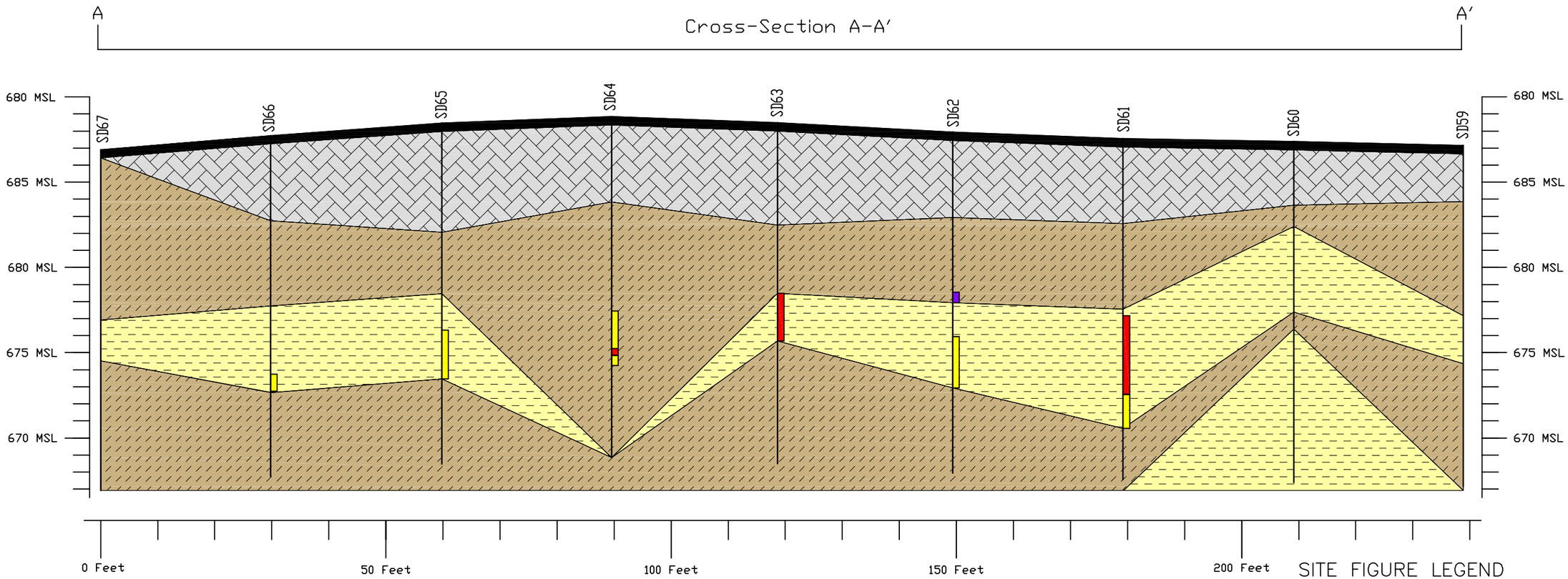


Supplemental Pre-Design Investigation
Dansville Former MGP Site
50 Ossian Street, Dansville, New York

Project:	Client:	
DANSVILLE/103023	NYSEG	Ish Inc./META

FIGURE 1
Location of 2012 PDI Borings and NAPL and/or Sheen Observations Greater than 2 feet

Filename:	Drawn by:	Approved by:	Date:
Dansville SRI	BJM	IM	01/07/12

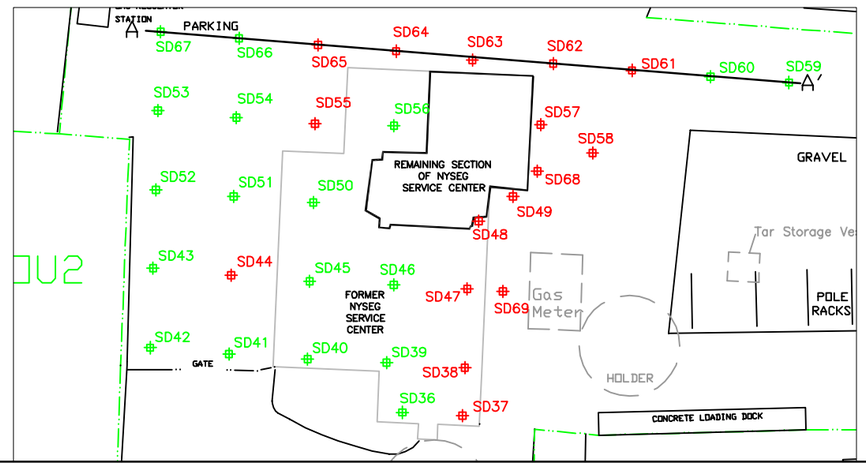


CROSS-SECTION LEGEND

- Asphalt and/or Concrete
- Silt, Silty Clay, Sand, and/or Gravel
- Silt, Sand, and/or Clay with Brick, Glass, Coal, Coke, Slag, and/or Other Debris
- Clay and/or Clayey Silt
- NAPL and Sheen
- NAPL
- Sheen

Notes:

1. Odors that are present are not depicted on the cross-section. Please refer to the boring logs for this information.
2. Sale as-shown



SITE FIGURE LEGEND

- Property Line of Former MGP
- Former Structures/Features
- Current Structures/Features
- November 2012 PDI Soil Boring Location with Greater Than Two Feet NAPL and/or Sheen
- November 2012 PDI Soil Boring Location with Less Than Two Feet NAPL and/or Sheen

Supplemental Pre-Design Investigation
Dansville Former MGP Site
50 Ossian Street, Dansville, New York

Project:	Client:	
DANSVILLE/103023	NYSEG	Ish Inc./META

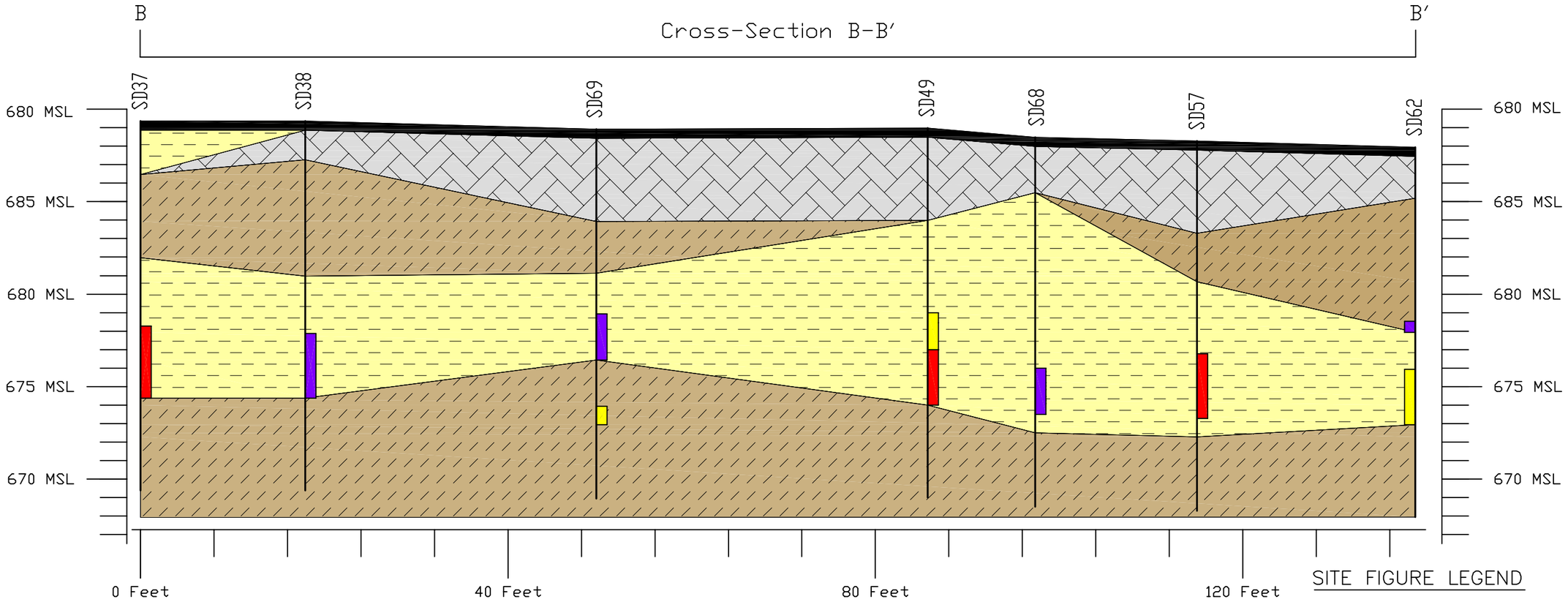
Figure 2
Cross-Section A-A'

Filename:	Drawn by:	Approved by:	Date:
Dansville SRI	BJM	IM	01/07/13

B

Cross-Section B-B′

B′



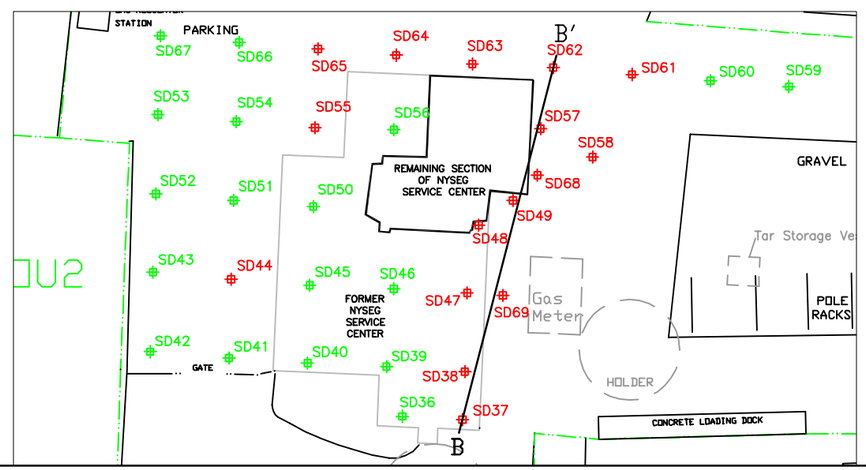
CROSS-SECTION LEGEND

- Asphalt and/or Concrete
- Clay and/or Clayey Silt
- NAPL
- Silt, Silty Clay, Sand, and/or Gravel
- NAPL and Sheen
- Sheen
- Silt, Sand, and/or Clay with Brick, Glass, Coal, Coke, Slag, and/or Other Debris

Notes:

1. Odors that are present are not depicted on the cross-section. Please refer to the boring logs for this information.

2. Sale as-shown



SITE FIGURE LEGEND

- Property Line of Former MGP
- Former Structures/Features
- Current Structures/Features
- November 2012 PDI Soil Boring Location with Greater Than Two Feet NAPL and/or Sheen
- November 2012 PDI Soil Boring Location with Less Than Two Feet NAPL and/or Sheen

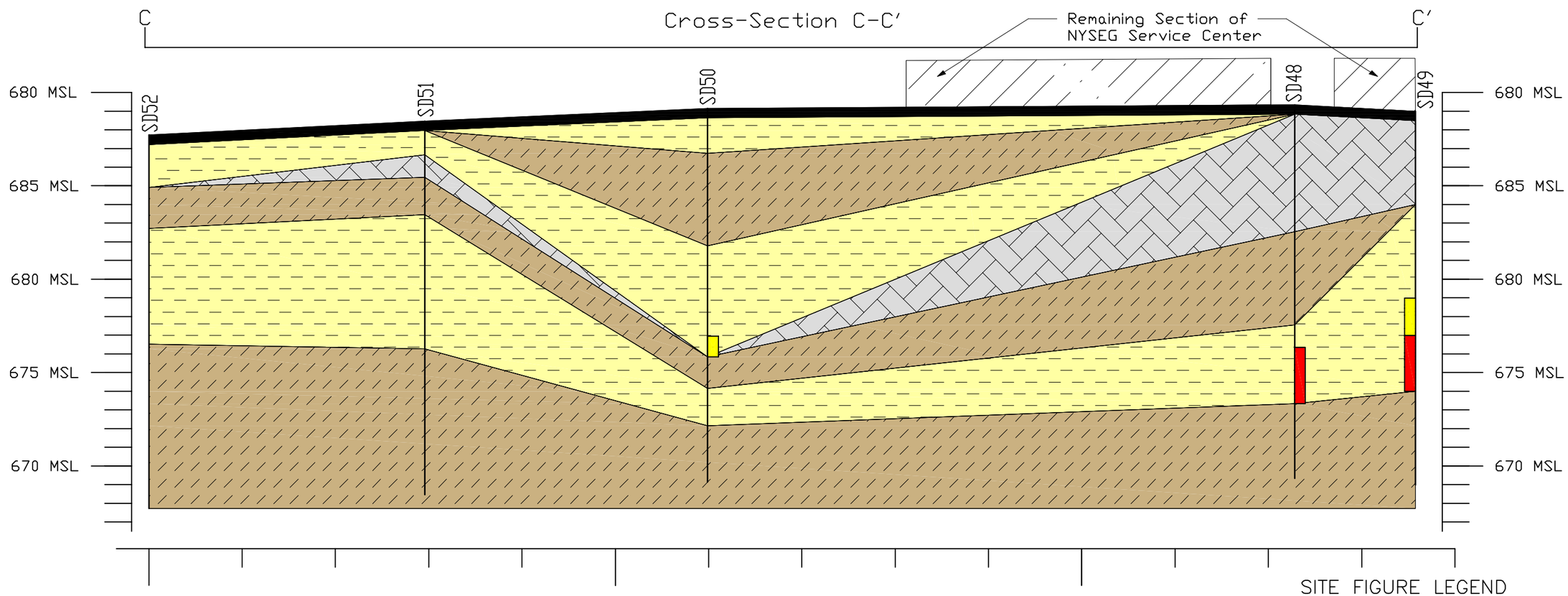
Supplemental Pre-Design Investigation
Dansville Former MGP Site
50 Ossian Street, Dansville, New York

Project:	Client:	
DANSVILLE/103023	NYSEG	Ish Inc./META

Figure 3
Cross-Section B-B′

Filename:	Drawn by:	Approved by:	Date:
Dansville SRI	BJM	IM	01/07/13

Cross-Section C-C′

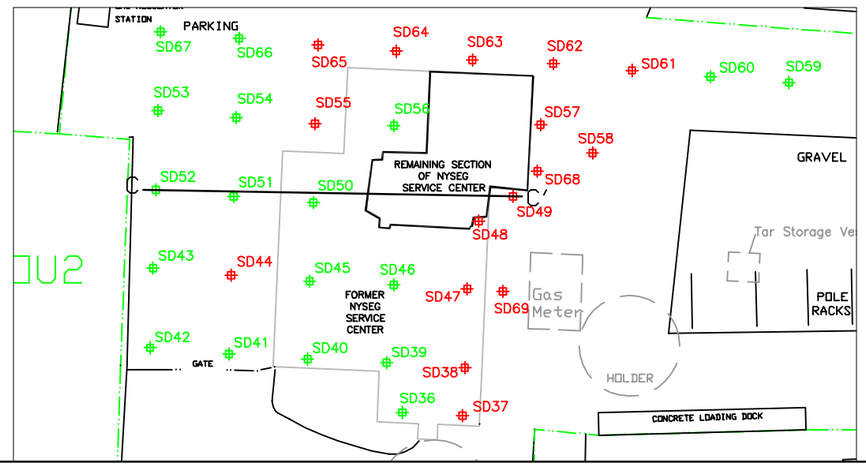


CROSS-SECTION LEGEND

- Asphalt and/or Concrete
- Silt, Silty Clay, Sand, and/or Gravel
- Silt, Sand, and/or Clay with Brick, Glass, Coal, Coke, Slag, and/or Other Debris
- Clay and/or Clayey Silt
- NAPL and Sheen
- NAPL
- Sheen

Notes:

1. Odors that are present are not depicted on the cross-section. Please refer to the boring logs for this information.
2. Sale as-shown



SITE FIGURE LEGEND

- Property Line of Former MGP
- Former Structures/Features
- Current Structures/Features
- November 2012 PDI Soil Boring Location with Greater Than Two Feet NAPL and/or Sheen
- November 2012 PDI Soil Boring Location with Less Than Two Feet NAPL and/or Sheen

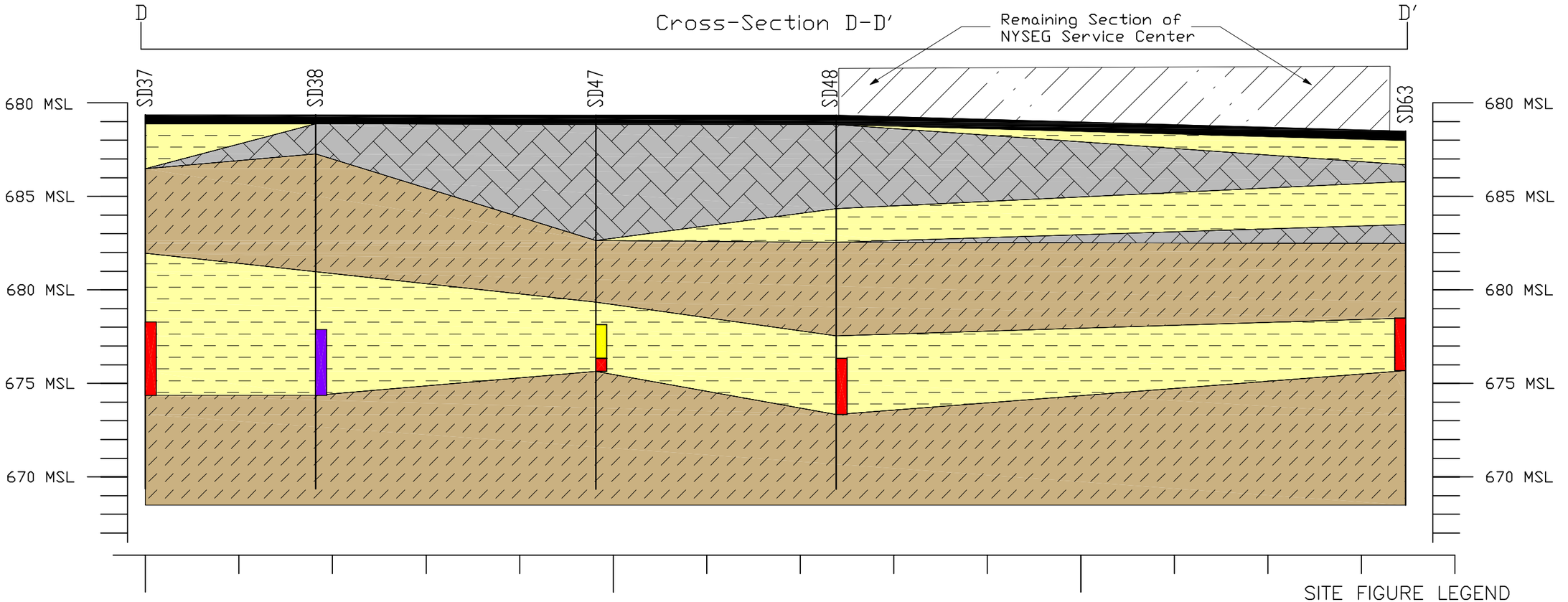
Supplemental Pre-Design Investigation
Dansville Former MGP Site
50 Ossian Street, Dansville, New York

Project:	Client:	
DANSVILLE/103023	NYSEG	Ish Inc./META

Figure 4
Cross-Section C-C′

Filename:	Drawn by:	Approved by:	Date:
Dansville SRI	BJM	IM	01/07/13

Cross-Section D-D′

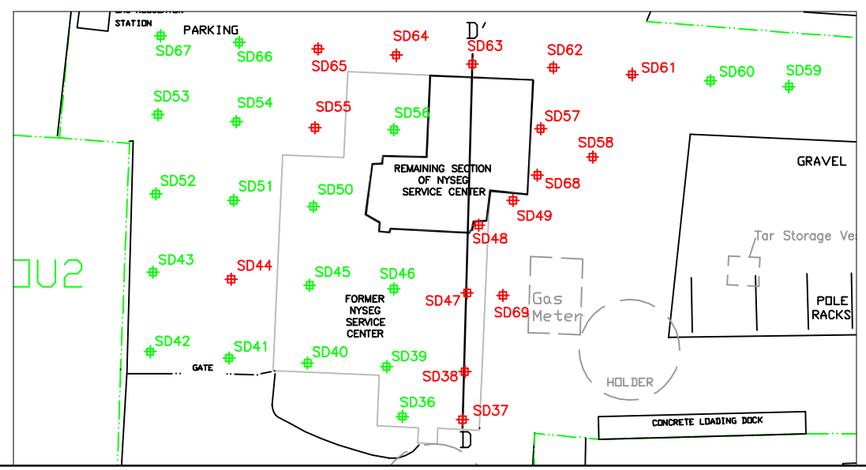


CROSS-SECTION LEGEND

- Asphalt and/or Concrete
- Silt, Silty Clay, Sand, and/or Gravel
- Silt, Sand, and/or Clay with Brick, Glass, Coal, Coke, Slag, and/or Other Debris
- Clay and/or Clayey Silt
- NAPL and Sheen
- NAPL
- Sheen

Notes:

1. Odors that are present are not depicted on the cross-section. Please refer to the boring logs for this information.
2. Sale as-shown



SITE FIGURE LEGEND

- Property Line of Former MGP
- Former Structures/Features
- Current Structures/Features
- November 2012 PDI Soil Boring Location with Greater Than Two Feet NAPL and/or Sheen
- November 2012 PDI Soil Boring Location with Less Than Two Feet NAPL and/or Sheen

Supplemental Pre-Design Investigation
Dansville Former MGP Site
50 Ossian Street, Dansville, New York

Project:	Client:	
DANSVILLE/103023	NYSEG	Ish Inc./META

Figure 5
Cross-Section D-D′

Filename:	Drawn by:	Approved by:	Date:
Dansville SRI	BJM	IM	01/08/13

BORING LOGS

SD36

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 689.25 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	30	0	CONCRETE: Concrete		
-1			0	SILTY SAND: Dry, tan, silty sand and gravel		
-2			0			
-3						
-4			0			
-5	5-10	50	0			
-6			0			
-7			0			
-8			0			
-9			0			
-10	10-15	70	0			
-11			1			
-12			102	SILTY SAND: Wet, gray, silty sand and gravel with slight NAPL globules		
-13			16.1	CLAY: Moist, tan, clay with slight coal tar odor		
-14			29.5			
-15			15.2	CLAYEY SILT: Wet, gray, clayey silt with trace fine sand with slight coal-tar odor		
-16	15-20	100	26.9			
-17			6			
-18			10	CLAYEY SILT: Wet, gray, clayey silt with a faint coal-tar like odor		
-19			5.1			
-20			3.2			
			3.5			
			2.2			
			1.8			
			1.8			
			1	Boring terminated at 20 feet bgs		

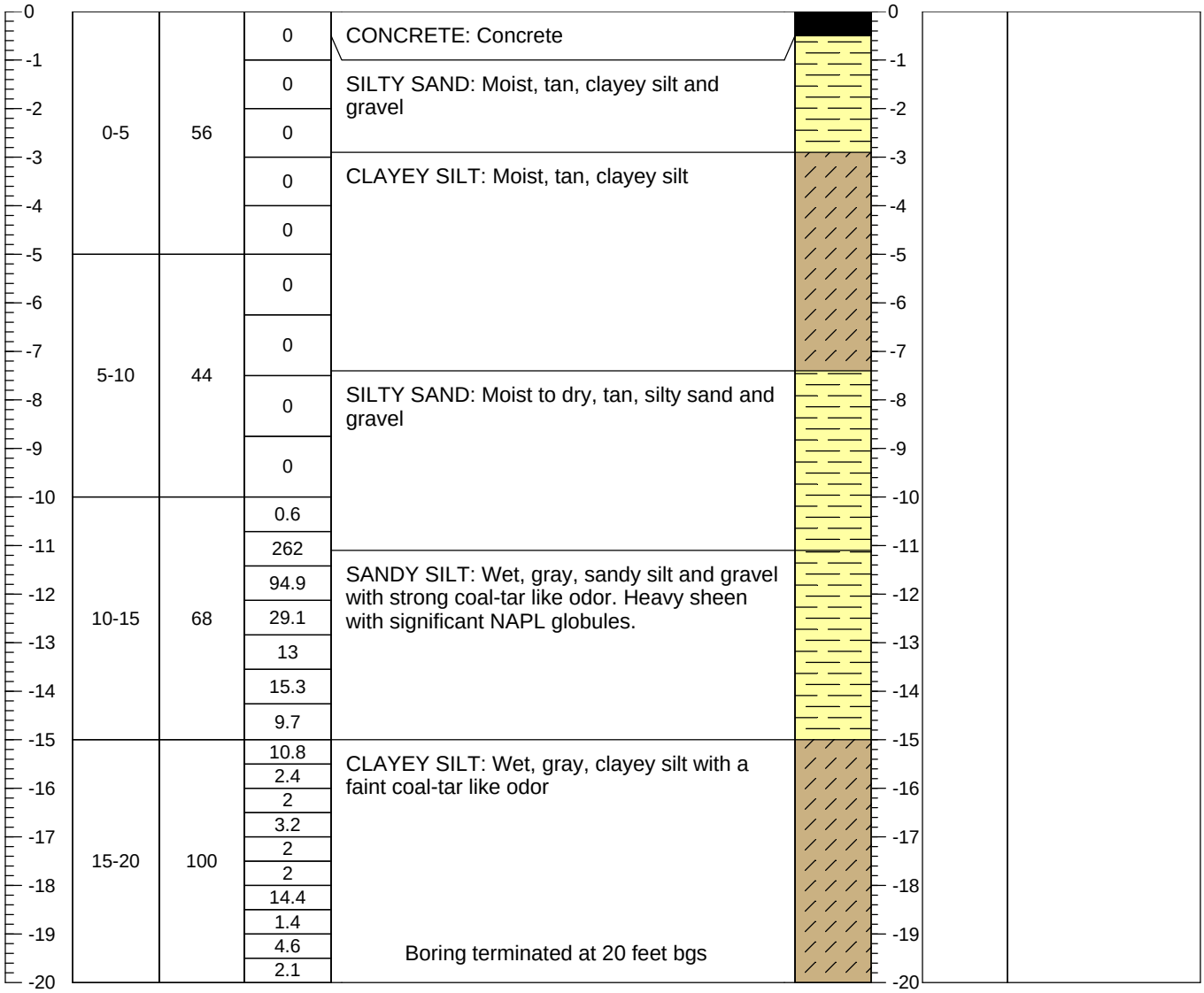
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD37

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 689.37 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	56	0	CONCRETE: Concrete		
-1			0	SILTY SAND: Moist, tan, clayey silt and gravel		
-2			0			
-3			0	CLAYEY SILT: Moist, tan, clayey silt		
-4			0			
-5	5-10	44	0			
-6			0			
-7			0			
-8			0	SILTY SAND: Moist to dry, tan, silty sand and gravel		
-9			0			
-10	10-15	68	0.6			
-11			262			
-12			94.9	SANDY SILT: Wet, gray, sandy silt and gravel with strong coal-tar like odor. Heavy sheen with significant NAPL globules.		
-13			29.1			
-14			13			
-15	15-20	100	15.3			
-16			9.7			
-17			10.8	CLAYEY SILT: Wet, gray, clayey silt with a faint coal-tar like odor		
-18			2.4			
-19			2			
-20			3.2			
			2			
			2			
			14.4			
			1.4			
			4.6			
			2.1	Boring terminated at 20 feet bgs		



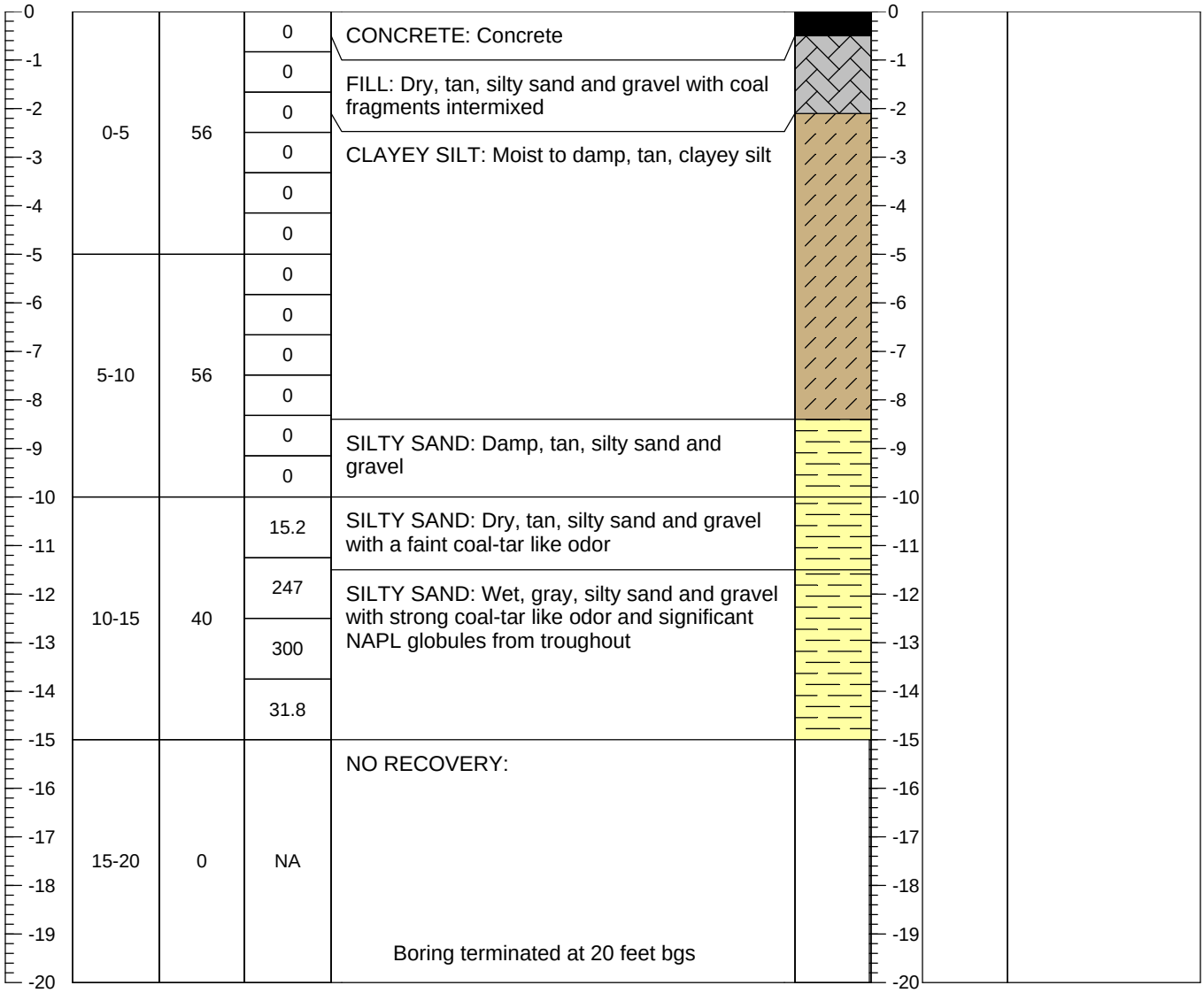
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD38

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 689.37 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	56	0	CONCRETE: Concrete		
-1			0	FILL: Dry, tan, silty sand and gravel with coal fragments intermixed		
-2			0			
-3			0	CLAYEY SILT: Moist to damp, tan, clayey silt		
-4			0			
-5			0			
-6	5-10	56	0			
-7			0			
-8			0			
-9			0	SILTY SAND: Damp, tan, silty sand and gravel		
-10			0			
-11	10-15	40	15.2	SILTY SAND: Dry, tan, silty sand and gravel with a faint coal-tar like odor		
-12			247	SILTY SAND: Wet, gray, silty sand and gravel with strong coal-tar like odor and significant NAPL globules from troughout		
-13			300			
-14			31.8			
-15	15-20	0	NA	NO RECOVERY:		
-16						
-17						
-18						
-19				Boring terminated at 20 feet bgs		
-20						



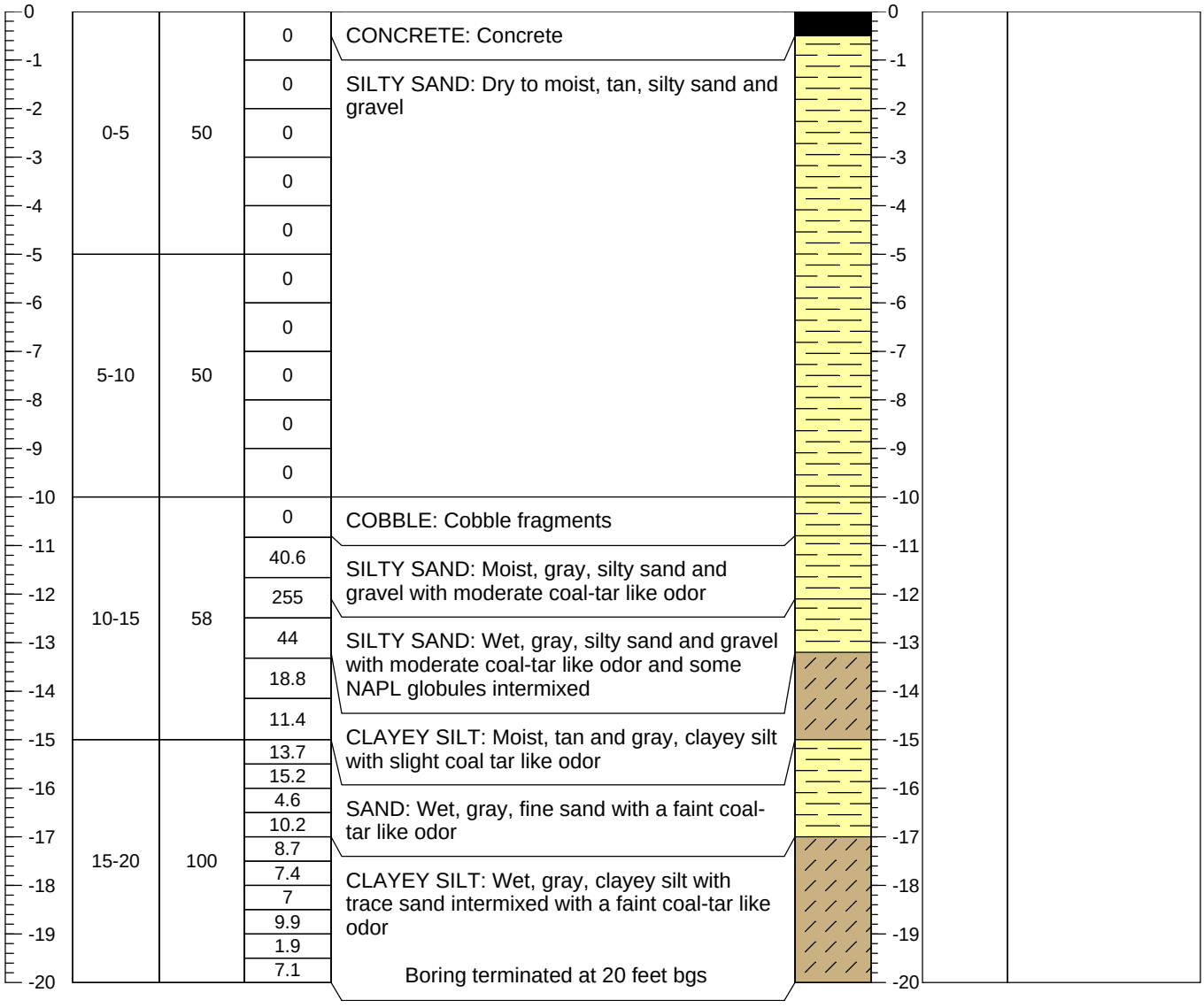
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD39

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 689.33 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	50	0	CONCRETE: Concrete		
-1			0	SILTY SAND: Dry to moist, tan, silty sand and gravel		
-2			0			
-3			0			
-4			0			
-5	5-10	50	0			
-6			0			
-7			0			
-8			0			
-9			0			
-10	10-15	58	0	COBBLE: Cobble fragments		
-11			40.6	SILTY SAND: Moist, gray, silty sand and gravel with moderate coal-tar like odor		
-12			255			
-13			44	SILTY SAND: Wet, gray, silty sand and gravel with moderate coal-tar like odor and some NAPL globules intermixed		
-14			18.8			
-15			11.4	CLAYEY SILT: Moist, tan and gray, clayey silt with slight coal tar like odor		
-16	15-20	100	13.7			
-17			15.2			
-18			4.6	SAND: Wet, gray, fine sand with a faint coal-tar like odor		
-19			10.2			
-20			8.7			
			7.4	CLAYEY SILT: Wet, gray, clayey silt with trace sand intermixed with a faint coal-tar like odor		
			7			
			9.9			
			1.9			
			7.1	Boring terminated at 20 feet bgs		



PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD40

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 689.50 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	55	0	CONCRETE: Concrete		
-1			0			
-2			0	FILL: Dry, tan and black, silty sand with slag fragments intermixed		
-3			0	CLAYEY SILT: Moist, tan, clayey silt with fine sand intermixed		
-4			0			
-5			0			
-6	5-10	55	0			
-7			0			
-8			0	SANDY SILT: Damp, tan, sandy silt with gravel		
-9			0			
-10			0	GRAVEL: Gravel and cobble fragments		
-11	10-15	55	0			
-12			82	SANDY SILT: Wet, gray, sandy silt and gravel with slight gasoline and coal-tar like odors		
-13			86			
-14			64.1			
-15			38.2			
-16	15-20	26	15.6	SAND: Wet, gray, fine sand with a faint coal-tar like odor		
-17			16.2			
-18						
-19			0			
-20				Boring terminated at 20 feet bgs		

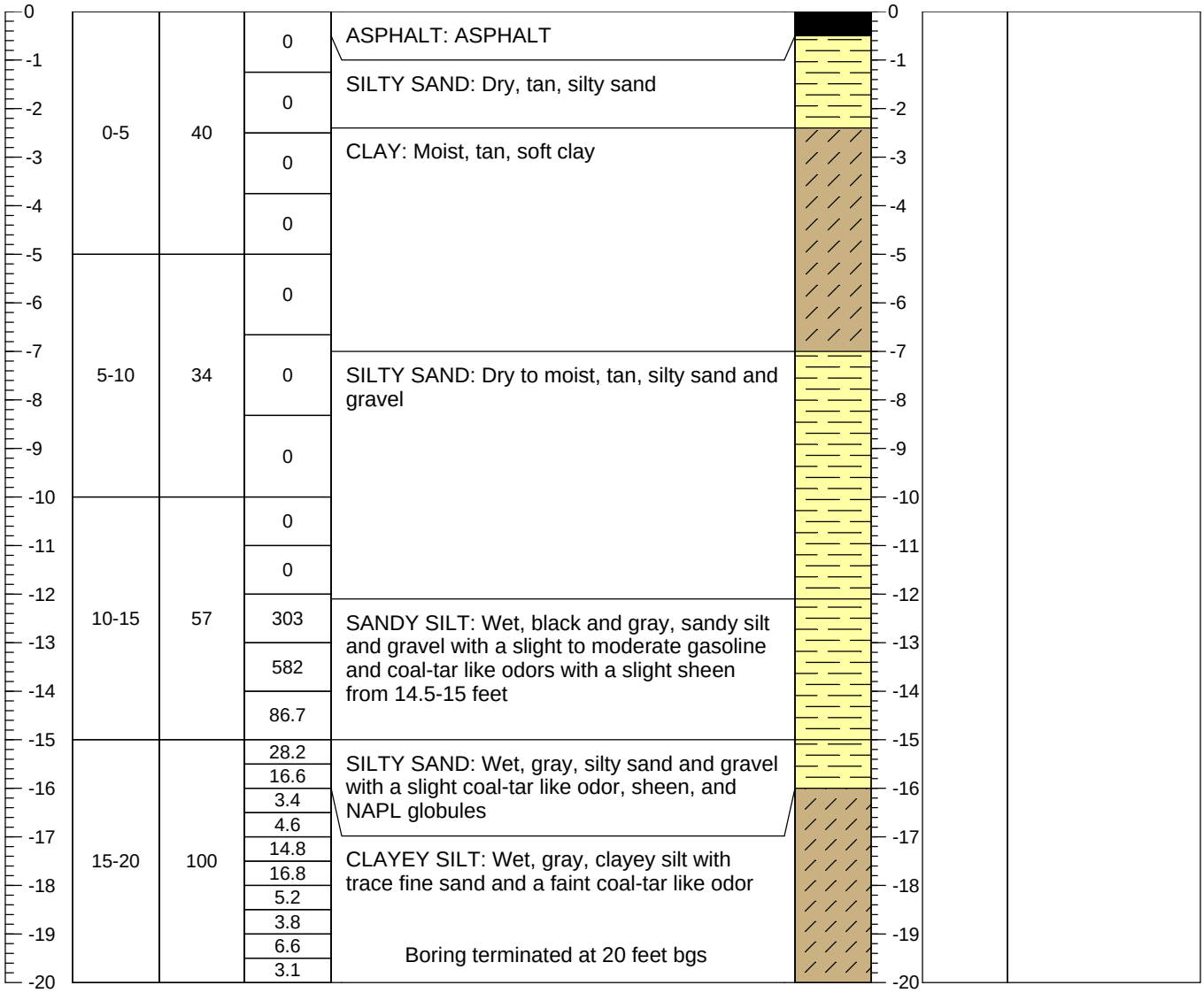
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD41

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 689.12 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	40	0	ASPHALT: ASPHALT		
-1			0	SILTY SAND: Dry, tan, silty sand		
-2			0	CLAY: Moist, tan, soft clay		
-3			0			
-4			0			
-5	5-10	34	0			
-6			0	SILTY SAND: Dry to moist, tan, silty sand and gravel		
-7			0			
-8			0			
-9			0			
-10	10-15	57	0			
-11			0			
-12			303	SANDY SILT: Wet, black and gray, sandy silt and gravel with a slight to moderate gasoline and coal-tar like odors with a slight sheen from 14.5-15 feet		
-13			582			
-14			86.7			
-15	15-20	100	28.2	SILTY SAND: Wet, gray, silty sand and gravel with a slight coal-tar like odor, sheen, and NAPL globules		
-16			16.6			
-17			3.4			
-18			4.6			
-19			14.8	CLAYEY SILT: Wet, gray, clayey silt with trace fine sand and a faint coal-tar like odor		
-20			16.8			
			5.2			
			3.8			
			6.6	Boring terminated at 20 feet bgs		
			3.1			



PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD42

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/9/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 688.29 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	58	0	ASPHALT: Asphalt		
-1			0	SILTY SAND: Dry, black, silty sand and gravel		
-2			0			
-3			0	CLAYEY SILT: Moist, brown, soft, clayey silt		
-4			0			
-5			0			
-6	5-10	44	0	SILTY SAND: Moist to damp, tan, silty sand and gravel		
-7			0			
-8			0			
-9			0			
-10	10-15	52	134	SILTY SAND: Moist, gray and tan, silty sand and gravel with a slight to moderate gasoline-like odor		
-11			231			
-12			378			
-13			84.9			
-14			28.1			
-15	15-20	60	9.3	CLAYEY SILT: Wet, gray, clayey silt		
-16			14			
-17			18.8			
-18			5.8			
-19			3.6			
-20			2.9	Boring terminated at 20 feet bgs		

PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD43

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/9/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 688.16 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	72	0	ASPHALT: Asphalt		
-1			0			
-2			0	SILTY SAND: Dry, tan and brown, silty sand and gravel		
-3			0			
-4			0	CLAY: Moist, tan, soft clay		
-5			0.6			
-6	5-10	70	0.3			
-7			0			
-8			0			
-9			0	SILTY SAND: Dry, tan and brown, silty sand and gravel		
-10			0			
-11			0			
-12			0			
-13			3.8			
-14	10-15	56	2.2	SILTY SAND: Moist, tan, silty sand and gravel		
-15			1.8			
-16			1006	SILTY CLAY: Damp to wet, gray, silty clay and gravel with a strong gasoline-like odor		
-17			82			
-18			29			
-19	15-20	100	4.3	CLAY: Wet, gray, clay with trace silt and a faint gasoline-like odor		
-20			8.5			
			4			
			7.4			
			5.8			
			4.8			
			7.7			
			4.4			
			3.6	Boring terminated at 20 feet bgs		
			1.1			

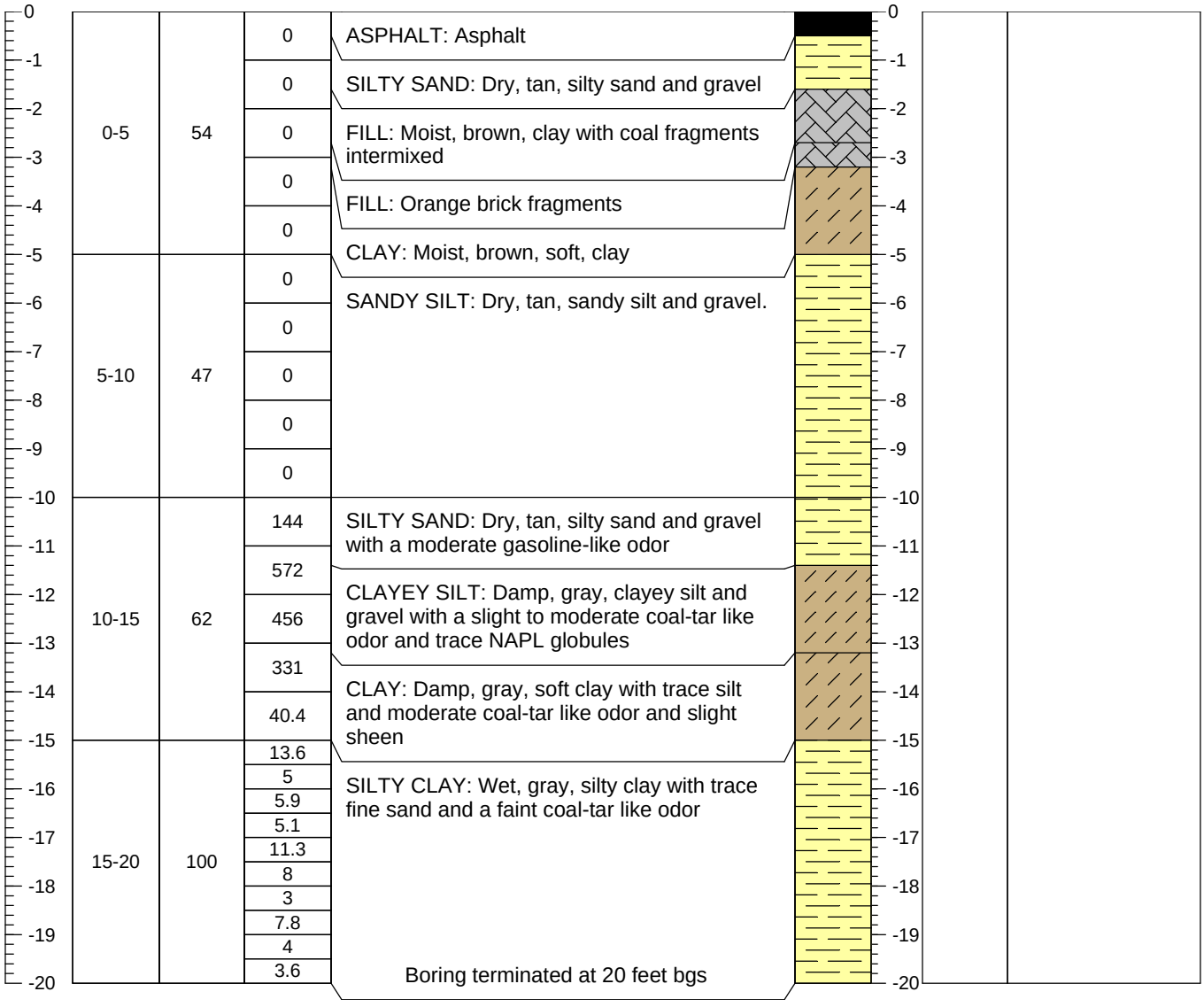
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD44

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 688.84 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	54	0	ASPHALT: Asphalt		
-1			0	SILTY SAND: Dry, tan, silty sand and gravel		
-2			0	FILL: Moist, brown, clay with coal fragments intermixed		
-3			0			
-4			0	FILL: Orange brick fragments		
-5			0	CLAY: Moist, brown, soft, clay		
-6	5-10	47	0	SANDY SILT: Dry, tan, sandy silt and gravel.		
-7			0			
-8			0			
-9			0			
-10			0			
-11	10-15	62	144	SILTY SAND: Dry, tan, silty sand and gravel with a moderate gasoline-like odor		
-12			572	CLAYEY SILT: Damp, gray, clayey silt and gravel with a slight to moderate coal-tar like odor and trace NAPL globules		
-13			456			
-14			331	CLAY: Damp, gray, soft clay with trace silt and moderate coal-tar like odor and slight sheen		
-15			40.4			
-16	15-20	100	13.6	SILTY CLAY: Wet, gray, silty clay with trace fine sand and a faint coal-tar like odor		
-17			5			
-18			5.9			
-19			5.1			
-20			11.3			
			8			
			3			
			7.8			
			4			
			3.6	Boring terminated at 20 feet bgs		



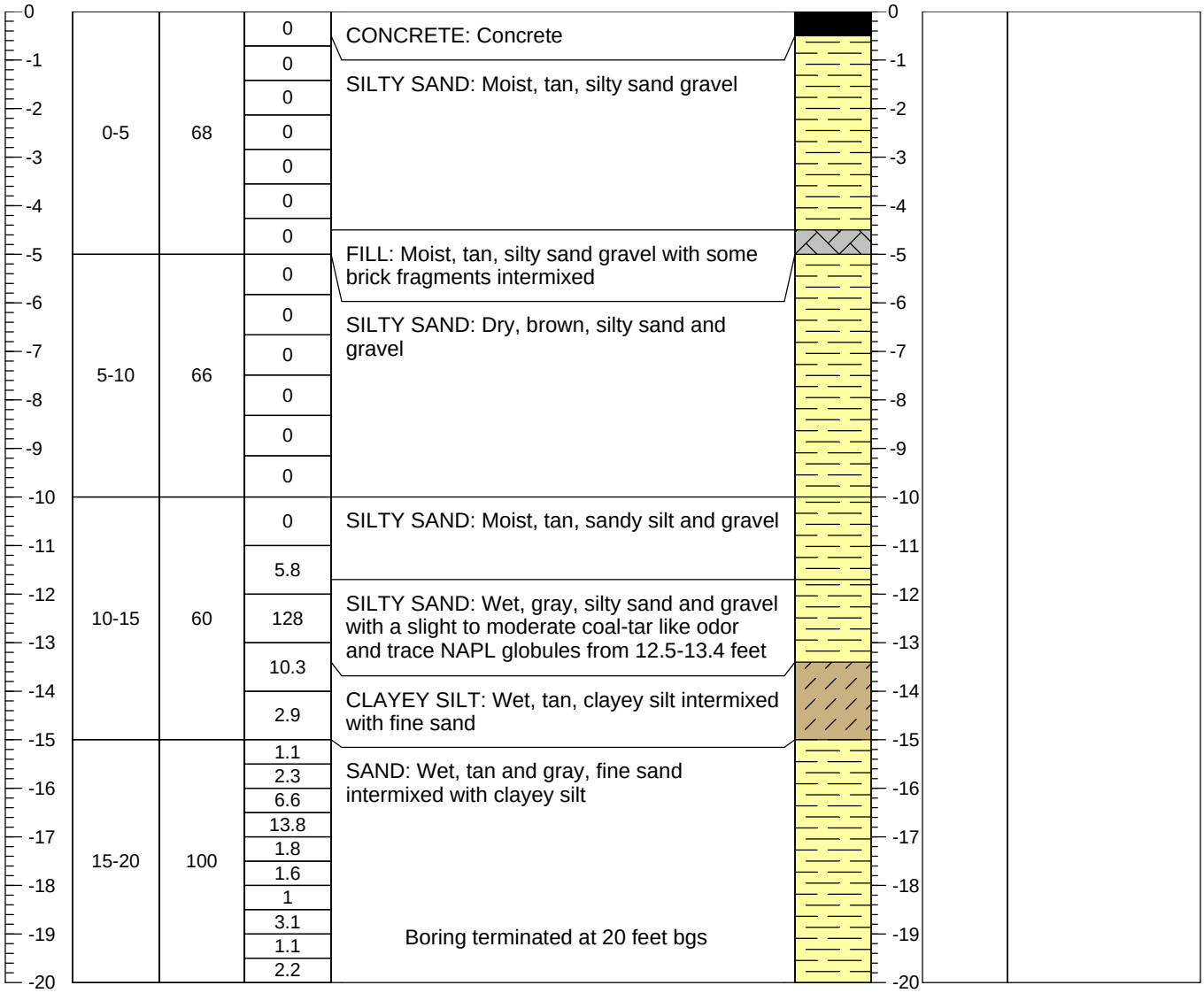
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD45

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 689.21 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	68	0	CONCRETE: Concrete		
-1			0	SILTY SAND: Moist, tan, silty sand gravel		
-2			0			
-3			0			
-4			0			
-5			0			
-6	5-10	66	0	FILL: Moist, tan, silty sand gravel with some brick fragments intermixed		
-7			0	SILTY SAND: Dry, brown, silty sand and gravel		
-8			0			
-9			0			
-10			0			
-11	10-15	60	0	SILTY SAND: Moist, tan, sandy silt and gravel		
-12			5.8			
-13			128	SILTY SAND: Wet, gray, silty sand and gravel with a slight to moderate coal-tar like odor and trace NAPL globules from 12.5-13.4 feet		
-14			10.3			
-15			2.9	CLAYEY SILT: Wet, tan, clayey silt intermixed with fine sand		
-16	15-20	100	1.1	SAND: Wet, tan and gray, fine sand intermixed with clayey silt		
-17			2.3			
-18			6.6			
-19			13.8			
-20			1.8			
			1.6			
			1			
			3.1			
			1.1			
			2.2	Boring terminated at 20 feet bgs		



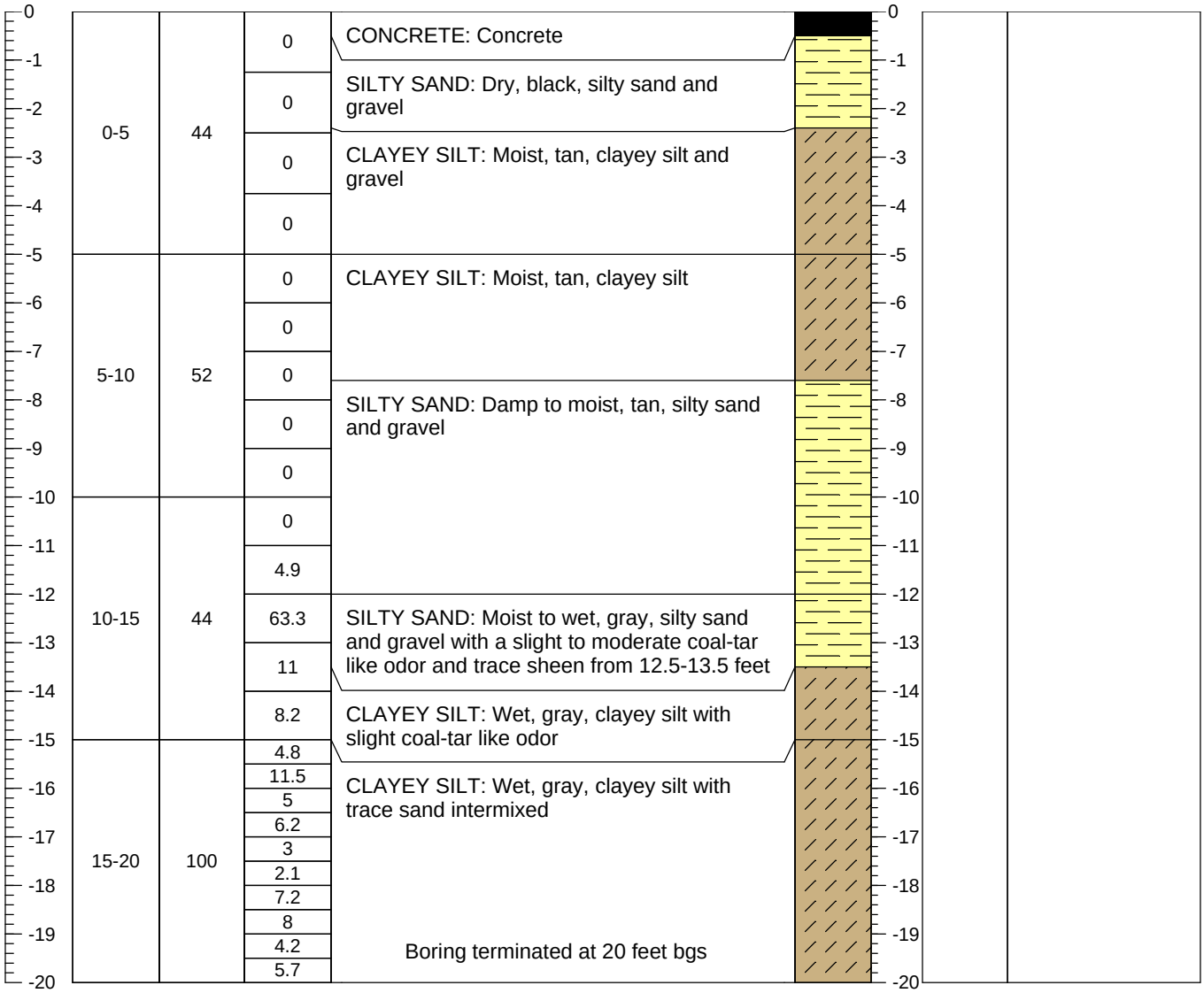
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD46

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 689.36 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	44	0	CONCRETE: Concrete		
-1			0	SILTY SAND: Dry, black, silty sand and gravel		
-2						
-3			0	CLAYEY SILT: Moist, tan, clayey silt and gravel		
-4			0			
-5	5-10	52	0	CLAYEY SILT: Moist, tan, clayey silt		
-6			0			
-7			0			
-8			0	SILTY SAND: Damp to moist, tan, silty sand and gravel		
-9			0			
-10	10-15	44	0			
-11			4.9			
-12			63.3	SILTY SAND: Moist to wet, gray, silty sand and gravel with a slight to moderate coal-tar like odor and trace sheen from 12.5-13.5 feet		
-13			11			
-14			8.2	CLAYEY SILT: Wet, gray, clayey silt with slight coal-tar like odor		
-15	15-20	100	4.8			
-16			11.5	CLAYEY SILT: Wet, gray, clayey silt with trace sand intermixed		
-17			5			
-18			6.2			
-19			3			
-20			2.1			
			7.2			
			8			
			4.2			
			5.7	Boring terminated at 20 feet bgs		



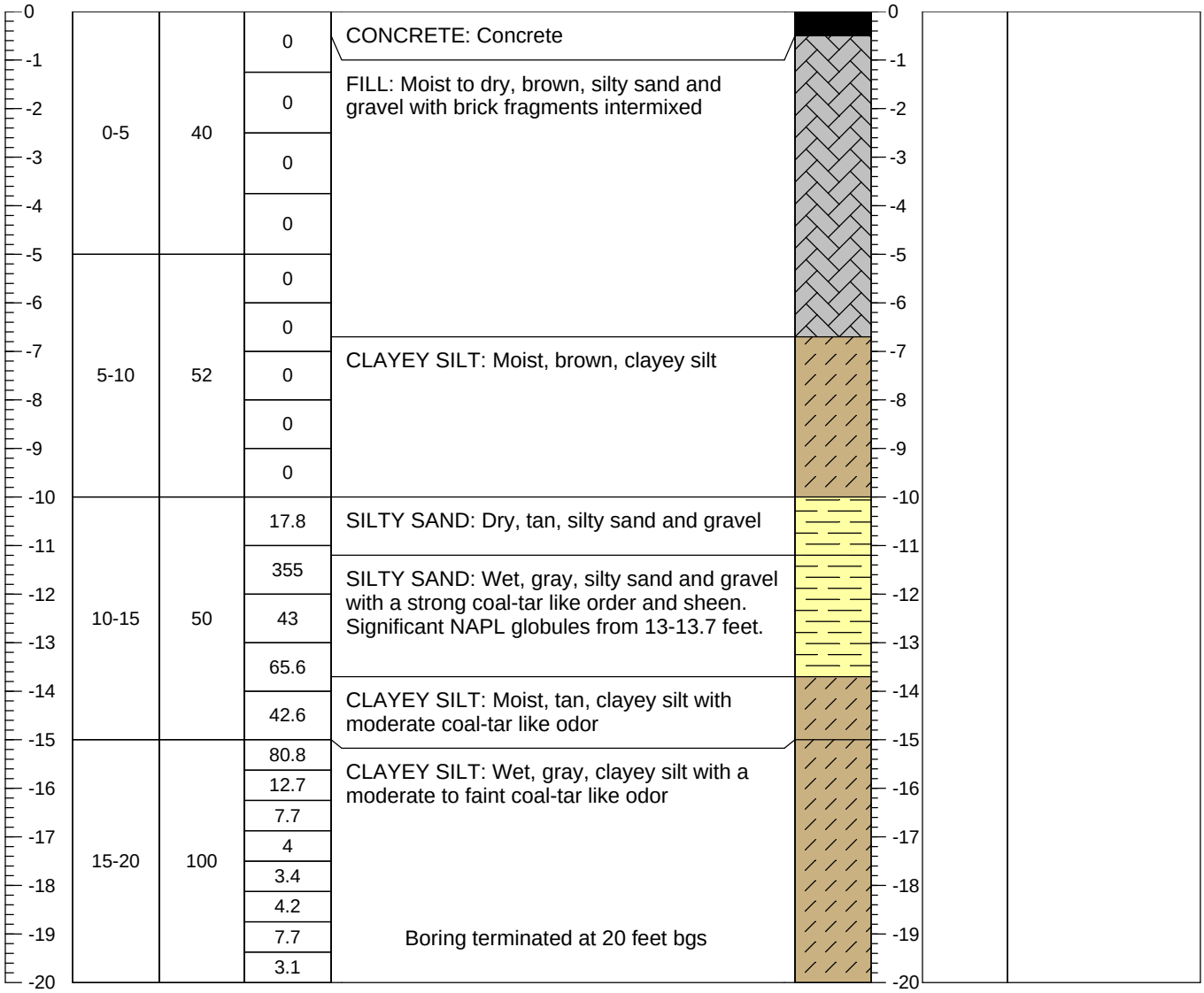
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD47

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 689.34 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	40	0	CONCRETE: Concrete		
-1			0	FILL: Moist to dry, brown, silty sand and gravel with brick fragments intermixed		
-2			0			
-3			0			
-4			0			
-5	5-10	52	0			
-6			0			
-7			0	CLAYEY SILT: Moist, brown, clayey silt		
-8			0			
-9			0			
-10	10-15	50	17.8	SILTY SAND: Dry, tan, silty sand and gravel		
-11			355	SILTY SAND: Wet, gray, silty sand and gravel with a strong coal-tar like order and sheen. Significant NAPL globules from 13-13.7 feet.		
-12			43			
-13			65.6			
-14			42.6	CLAYEY SILT: Moist, tan, clayey silt with moderate coal-tar like odor		
-15	15-20	100	80.8	CLAYEY SILT: Wet, gray, clayey silt with a moderate to faint coal-tar like odor		
-16			12.7			
-17			7.7			
-18			4			
-19			3.4			
-20			4.2			
			7.7	Boring terminated at 20 feet bgs		
			3.1			



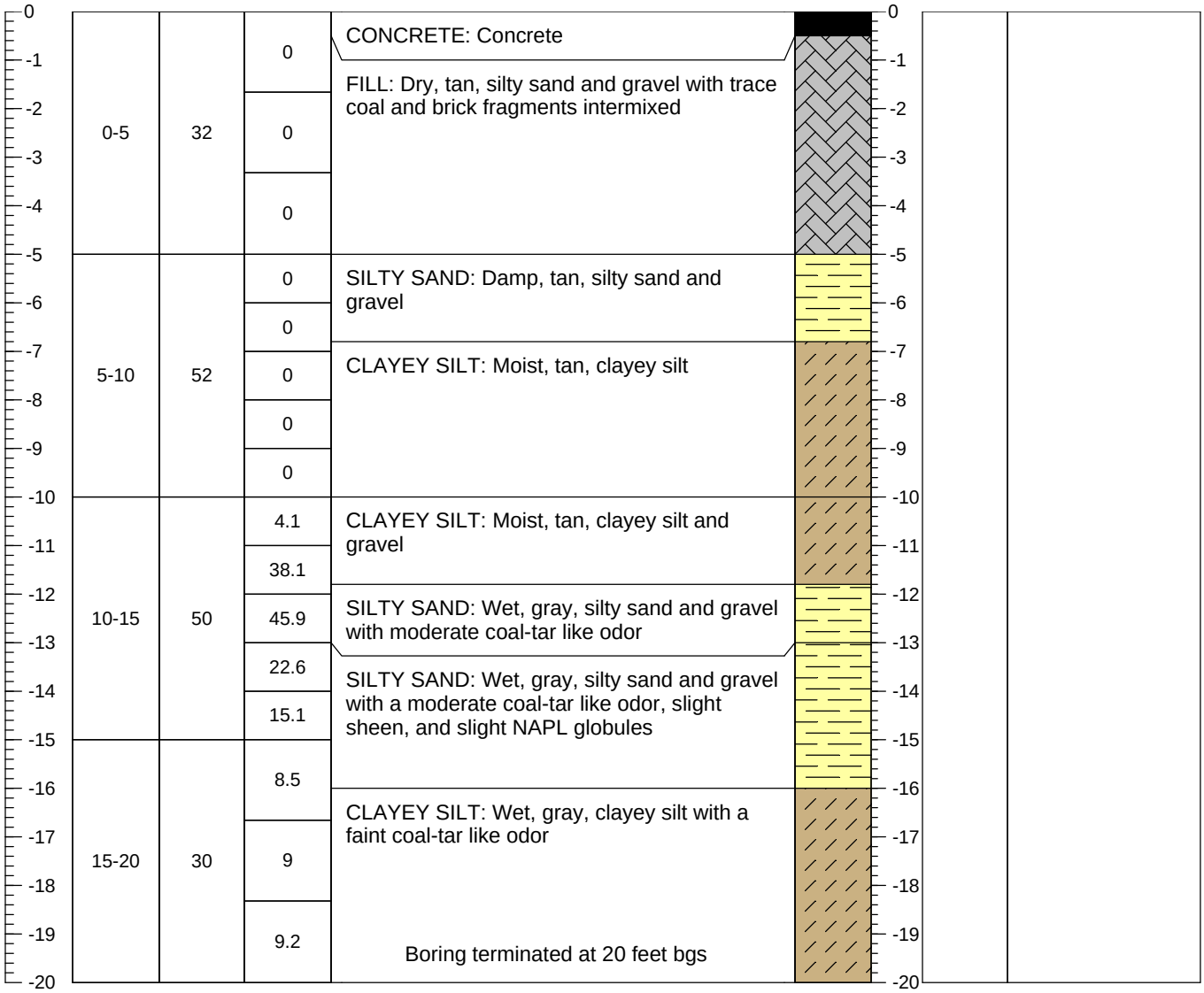
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD48

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 689.34 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	32	0	CONCRETE: Concrete		
-1			0	FILL: Dry, tan, silty sand and gravel with trace coal and brick fragments intermixed		
-2			0			
-3			0			
-4						
-5	5-10	52	0	SILTY SAND: Damp, tan, silty sand and gravel		
-6			0			
-7			0	CLAYEY SILT: Moist, tan, clayey silt		
-8			0			
-9			0			
-10	10-15	50	4.1	CLAYEY SILT: Moist, tan, clayey silt and gravel		
-11			38.1			
-12			45.9	SILTY SAND: Wet, gray, silty sand and gravel with moderate coal-tar like odor		
-13			22.6			
-14			15.1	SILTY SAND: Wet, gray, silty sand and gravel with a moderate coal-tar like odor, slight sheen, and slight NAPL globules		
-15	15-20	30	8.5			
-16				CLAYEY SILT: Wet, gray, clayey silt with a faint coal-tar like odor		
-17			9			
-18						
-19			9.2			
-20				Boring terminated at 20 feet bgs		



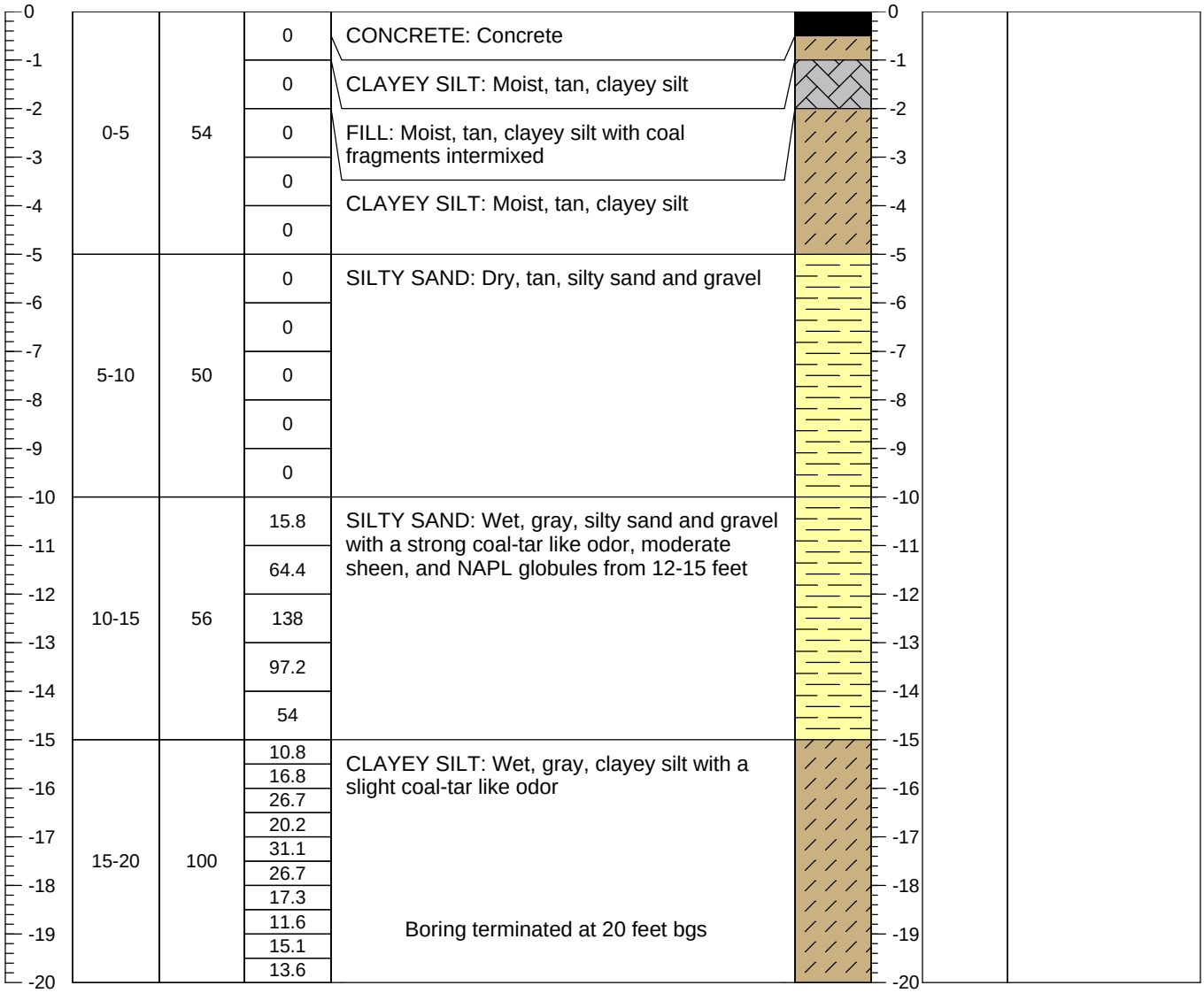
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD49

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/13/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 688.99 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Light rain, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	54	0	CONCRETE: Concrete		
-1			0	CLAYEY SILT: Moist, tan, clayey silt		
-2			0	FILL: Moist, tan, clayey silt with coal fragments intermixed		
-3			0			
-4			0	CLAYEY SILT: Moist, tan, clayey silt		
-5	5-10	50	0	SILTY SAND: Dry, tan, silty sand and gravel		
-6			0			
-7			0			
-8			0			
-9			0			
-10	10-15	56	15.8	SILTY SAND: Wet, gray, silty sand and gravel with a strong coal-tar like odor, moderate sheen, and NAPL globules from 12-15 feet		
-11			64.4			
-12			138			
-13			97.2			
-14			54			
-15	15-20	100	10.8	CLAYEY SILT: Wet, gray, clayey silt with a slight coal-tar like odor		
-16			16.8			
-17			26.7			
-18			20.2			
-19			31.1			
-20			26.7			
			17.3			
			11.6	Boring terminated at 20 feet bgs		
			15.1			
			13.6			



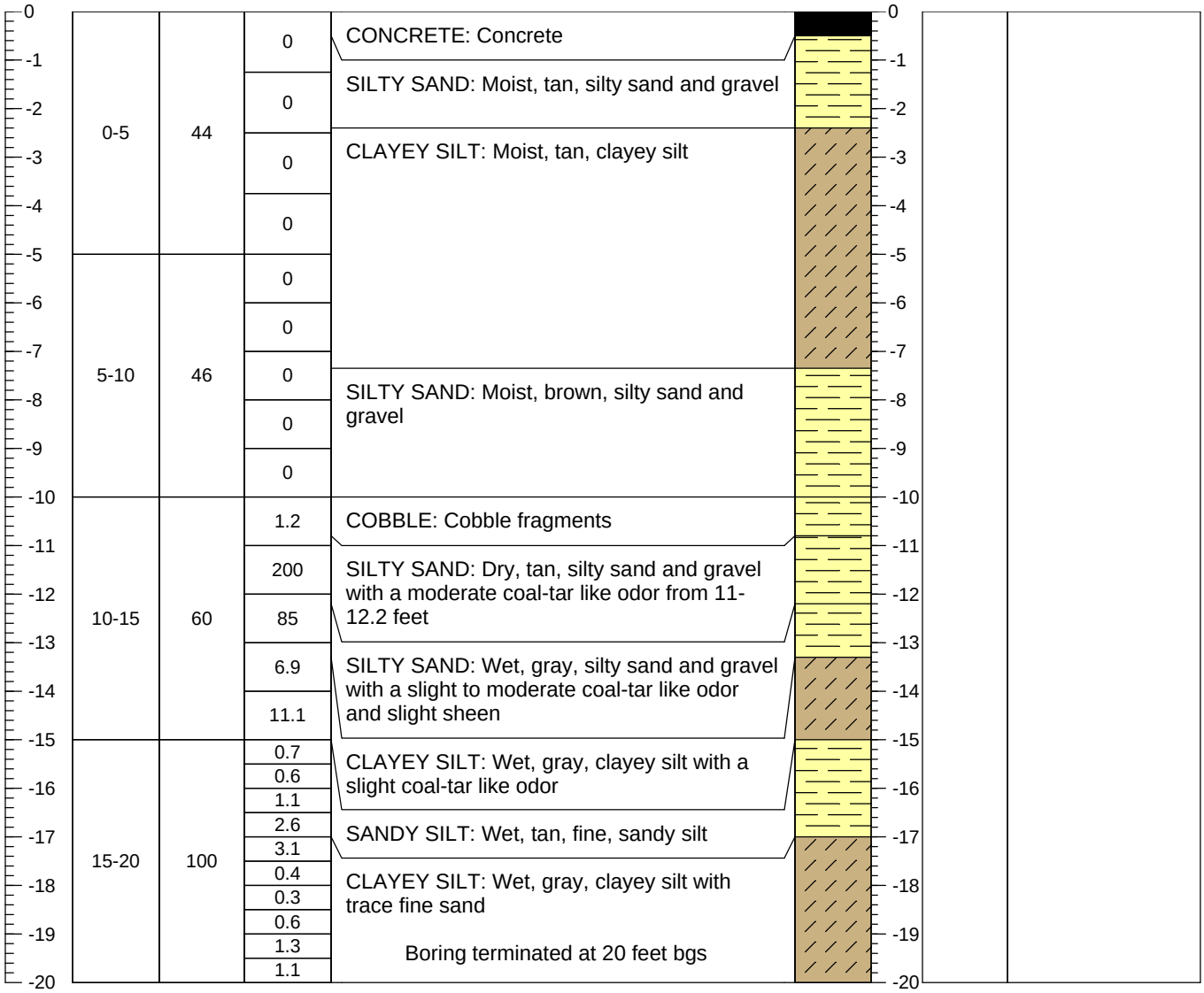
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD50

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 689.14 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	44	0	CONCRETE: Concrete		
-1			0	SILTY SAND: Moist, tan, silty sand and gravel		
-2			0	CLAYEY SILT: Moist, tan, clayey silt		
-3			0			
-4			0			
-5	5-10	46	0			
-6			0			
-7			0			
-8			0	SILTY SAND: Moist, brown, silty sand and gravel		
-9			0			
-10	10-15	60	1.2	COBBLE: Cobble fragments		
-11			200	SILTY SAND: Dry, tan, silty sand and gravel with a moderate coal-tar like odor from 11-12.2 feet		
-12			85			
-13			6.9	SILTY SAND: Wet, gray, silty sand and gravel with a slight to moderate coal-tar like odor and slight sheen		
-14			11.1			
-15	15-20	100	0.7	CLAYEY SILT: Wet, gray, clayey silt with a slight coal-tar like odor		
-16			0.6			
-17			1.1			
-18			2.6	SANDY SILT: Wet, tan, fine, sandy silt		
-19			3.1			
-20			0.4	CLAYEY SILT: Wet, gray, clayey silt with trace fine sand		
			0.3			
			0.6			
			1.3			
			1.1	Boring terminated at 20 feet bgs		



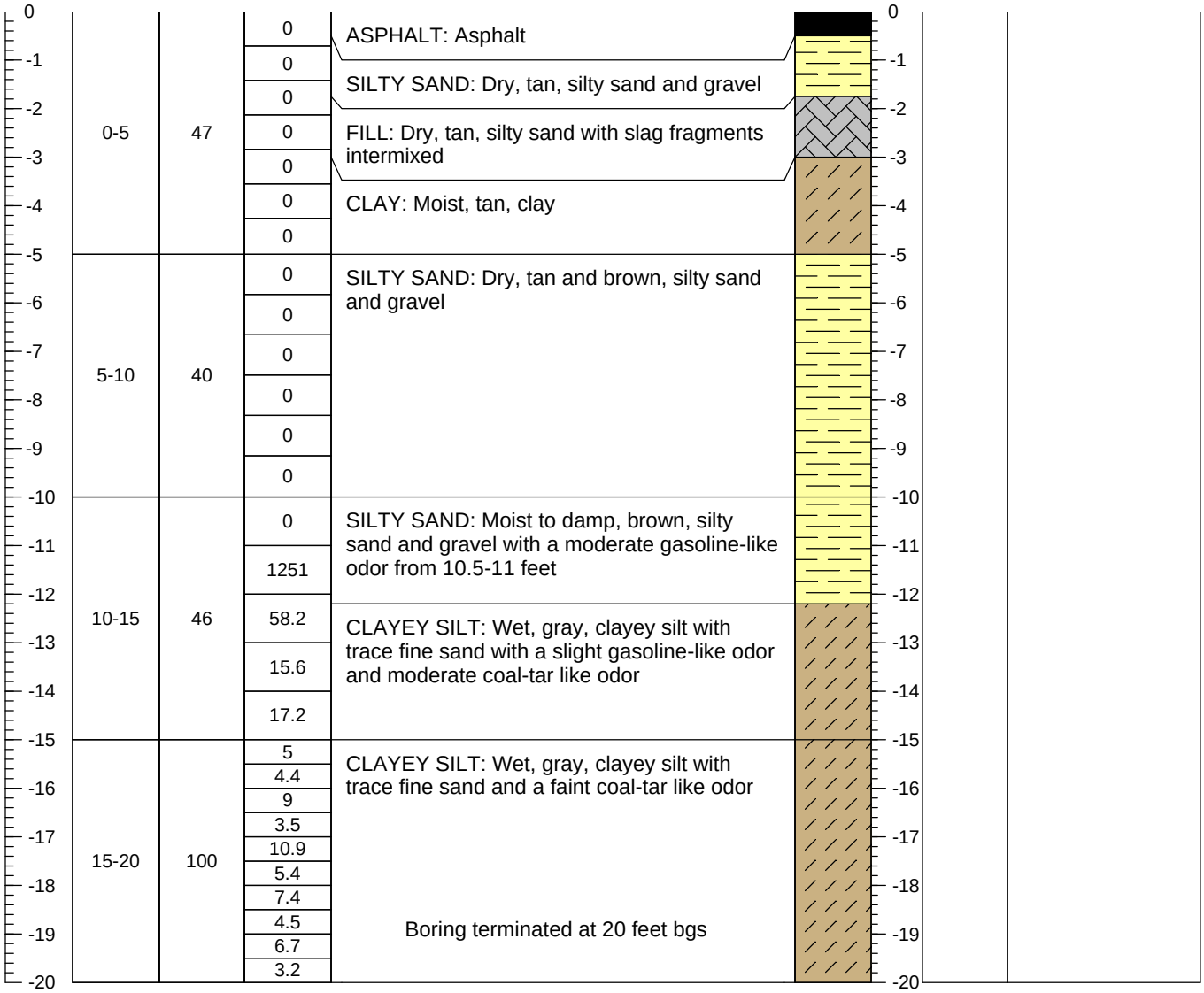
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD51

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 688.46 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear,40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	47	0	ASPHALT: Asphalt		
-1			0			
-2			0	SILTY SAND: Dry, tan, silty sand and gravel		
-3			0	FILL: Dry, tan, silty sand with slag fragments intermixed		
-4			0			
-5			0	CLAY: Moist, tan, clay		
-6	5-10	40	0	SILTY SAND: Dry, tan and brown, silty sand and gravel		
-7			0			
-8			0			
-9			0			
-10			0			
-11	10-15	46	0	SILTY SAND: Moist to damp, brown, silty sand and gravel with a moderate gasoline-like odor from 10.5-11 feet		
-12			1251			
-13			58.2	CLAYEY SILT: Wet, gray, clayey silt with trace fine sand with a slight gasoline-like odor and moderate coal-tar like odor		
-14			15.6			
-15			17.2			
-16	15-20	100	5	CLAYEY SILT: Wet, gray, clayey silt with trace fine sand and a faint coal-tar like odor		
-17			4.4			
-18			9			
-19			3.5			
-20			10.9			
			5.4			
			7.4			
			4.5	Boring terminated at 20 feet bgs		
			6.7			
			3.2			



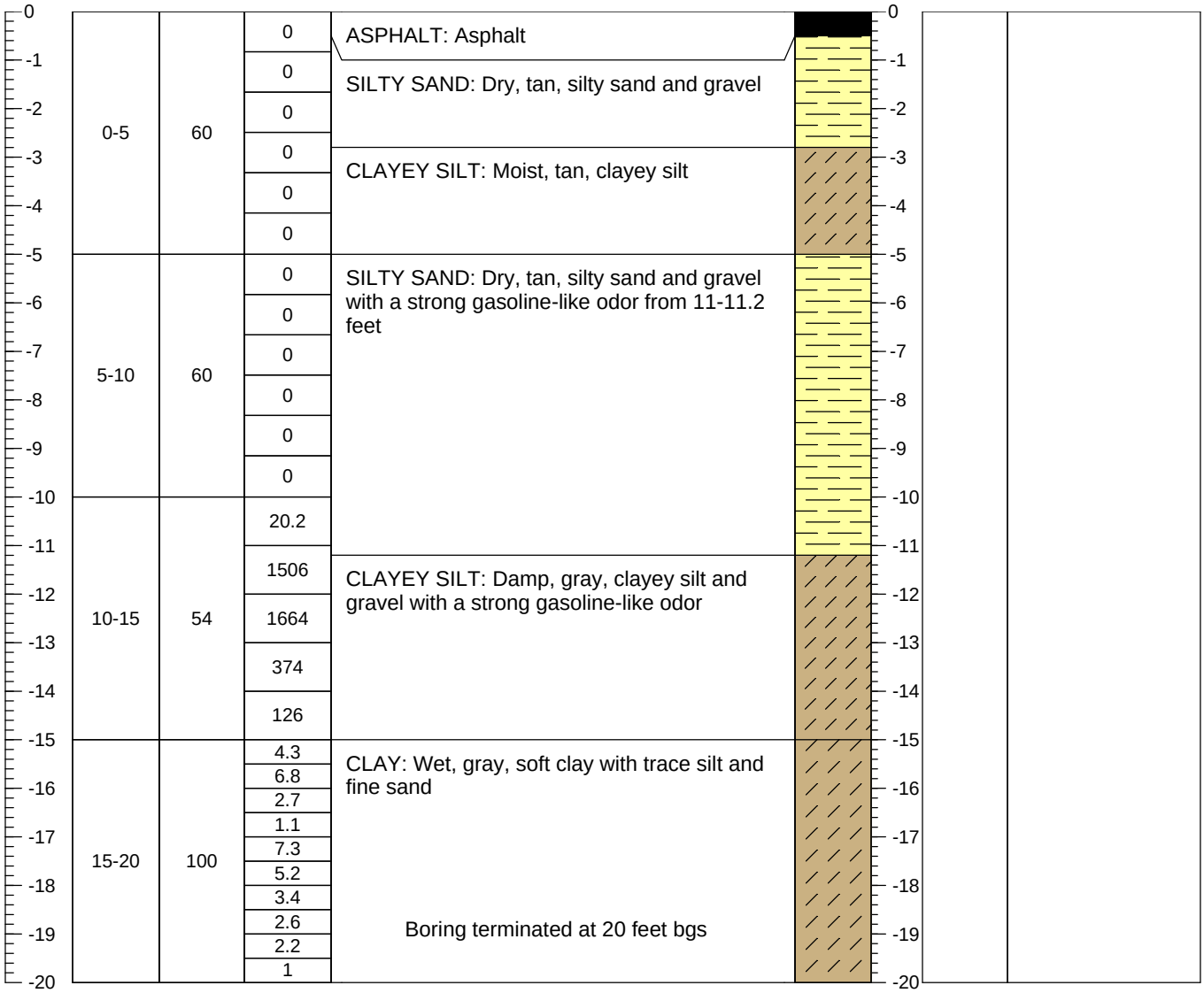
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD52

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/9/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 687.72 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	60	0	ASPHALT: Asphalt		
-1			0	SILTY SAND: Dry, tan, silty sand and gravel		
-2			0			
-3			0	CLAYEY SILT: Moist, tan, clayey silt		
-4			0			
-5			0			
-6	5-10	60	0	SILTY SAND: Dry, tan, silty sand and gravel with a strong gasoline-like odor from 11-11.2 feet		
-7			0			
-8			0			
-9			0			
-10			0			
-11	10-15	54	20.2			
-12			1506	CLAYEY SILT: Damp, gray, clayey silt and gravel with a strong gasoline-like odor		
-13			1664			
-14			374			
-15			126			
-16	15-20	100	4.3	CLAY: Wet, gray, soft clay with trace silt and fine sand		
-17			6.8			
-18			2.7			
-19			1.1			
-20			7.3			
			5.2			
			3.4			
			2.6	Boring terminated at 20 feet bgs		
			2.2			
			1			



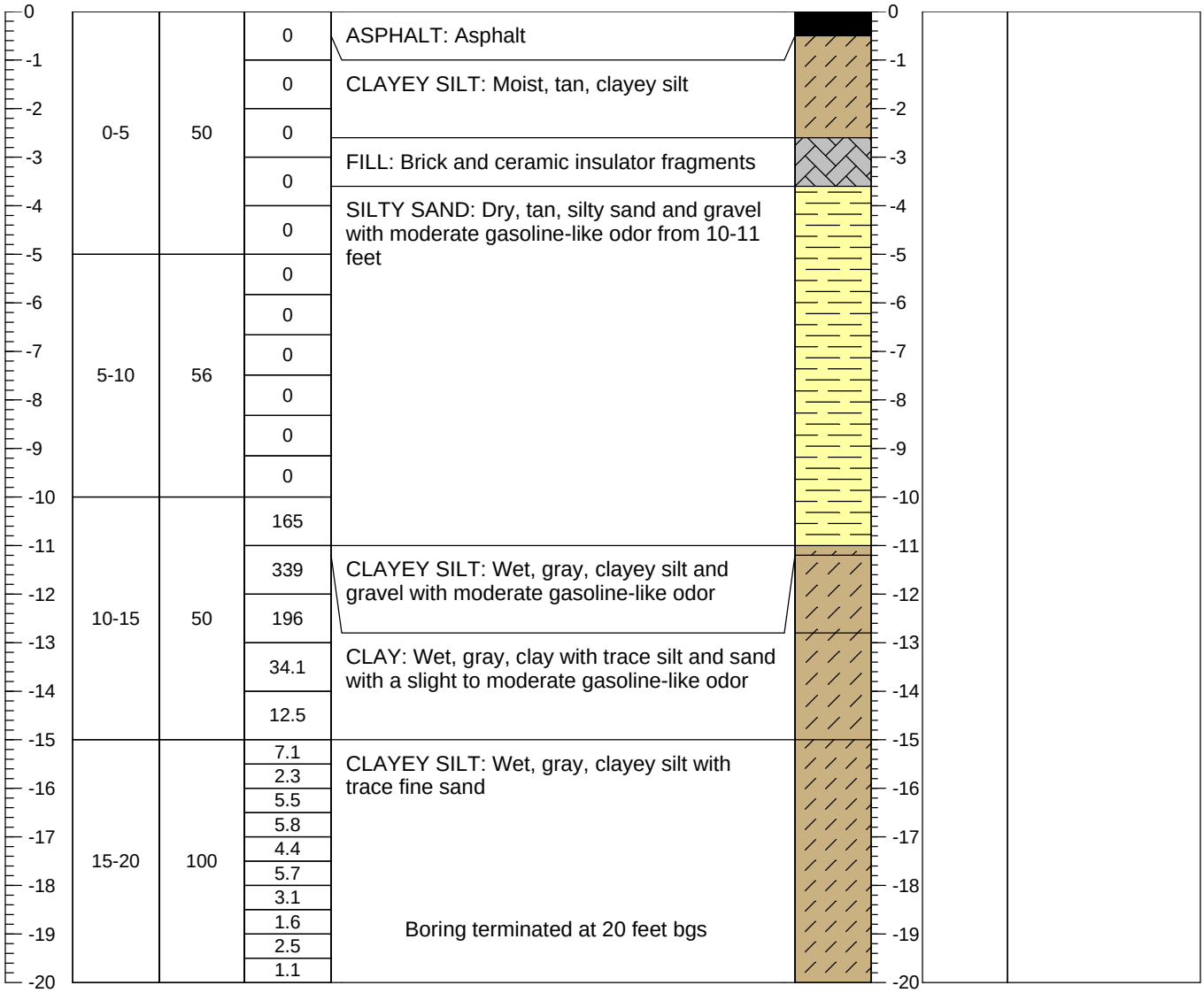
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD53

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/9/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 687.25 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	50	0	ASPHALT: Asphalt		
-1			0	CLAYEY SILT: Moist, tan, clayey silt		
-2			0			
-3			0	FILL: Brick and ceramic insulator fragments		
-4			0	SILTY SAND: Dry, tan, silty sand and gravel with moderate gasoline-like odor from 10-11 feet		
-5	5-10	56	0			
-6			0			
-7			0			
-8			0			
-9			0			
-10			0			
-11	10-15	50	165			
-12			339	CLAYEY SILT: Wet, gray, clayey silt and gravel with moderate gasoline-like odor		
-13			196			
-14			34.1	CLAY: Wet, gray, clay with trace silt and sand with a slight to moderate gasoline-like odor		
-15			12.5			
-16	15-20	100	7.1	CLAYEY SILT: Wet, gray, clayey silt with trace fine sand		
-17			2.3			
-18			5.5			
-19			5.8			
-20			4.4			
			5.7			
			3.1			
			1.6			
			2.5			
			1.1	Boring terminated at 20 feet bgs		



PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD54

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 687.95 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0						
-1			0	ASPHALT: Asphalt		
-2			0	SILTY SAND: Dry, tan, silty sand and gravel		
-3	0-5	70	0			
-4			0	FILL: Moist, black, silty sand with coal, glass, and slag fragments intermixed		
-5			0			
-6			0	SILTY SAND: Dry, tan, silty sand and gravel		
-7	5-10	60	0			
-8			0			
-9			0			
-10			0	CLAYEY SILT: Wet, gray, clayey silt with trace fine sand and gravel intermixed		
-11			10			
-12	10-15	52	6			
-13			1			
-14			4.8			
-15			1.1			
-16			4.9	SAND: Wet, gray, fine sand with trace clayey silt		
-17			4.5			
-18	15-20	100	1.4			
-19			2.8			
-20			1.2	CLAYEY SILT: Wet, gray, clayey silt with trace fine sand		
			1.6			
			4			
			2.9			
			2.3			
			3.6	Boring terminated at 20 feet bgs		

PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD55

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/12/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 688.77 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 40-60 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	50	0	ASPHALT: Asphalt		
-1			0	SILTY SAND: Dry, tan, silty sand and gravel		
-2			0			
-3			0			
-4			0			
-5	5-10	26	1.4	FILL: Dry, tan, silty sand and gravel intermixed with slag and coal fragments		
-6						
-7			1.6			
-8						
-9			1.8			
-10	10-15	30	16.2	SILTY SAND: Dry to moist, brown, silty sand and gravel with a slight to moderate coal-tar like odor from 11-12.5 feet		
-11						
-12			359	CLAYEY SILT: Wet, gray, clayey silt and gravel with moderate coal-tar like odor and slight NAPL globules		
-13						
-14			808			
-15	15-20	68	2.8	CLAYEY SILT: Wet, gray, clayey silt with trace fine sand		
-16			3.6			
-17			1.8			
-18			1.7	SAND: Wet, gray, fine, sand		
-19			1.5	Boring terminated at 20 feet bgs		
-20			1.4			

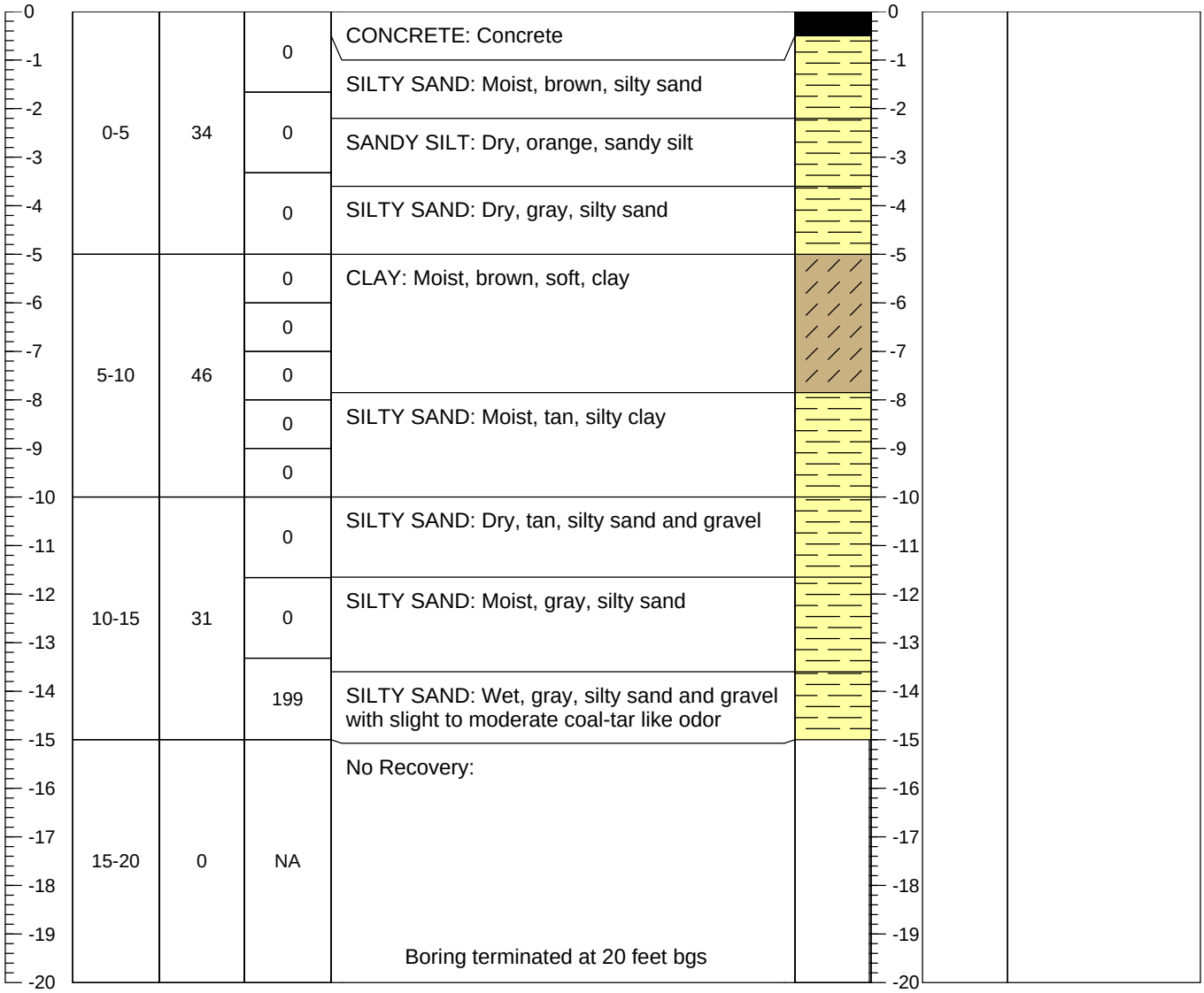
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD56

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/8/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 689.09 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0						
-1			0	CONCRETE: Concrete		
-2	0-5	34	0	SILTY SAND: Moist, brown, silty sand		
-3				SANDY SILT: Dry, orange, sandy silt		
-4			0	SILTY SAND: Dry, gray, silty sand		
-5			0	CLAY: Moist, brown, soft, clay		
-6			0			
-7	5-10	46	0			
-8			0	SILTY SAND: Moist, tan, silty clay		
-9			0			
-10			0	SILTY SAND: Dry, tan, silty sand and gravel		
-11						
-12	10-15	31	0	SILTY SAND: Moist, gray, silty sand		
-13						
-14			199	SILTY SAND: Wet, gray, silty sand and gravel with slight to moderate coal-tar like odor		
-15						
-16				No Recovery:		
-17	15-20	0	NA			
-18						
-19						
-20				Boring terminated at 20 feet bgs		



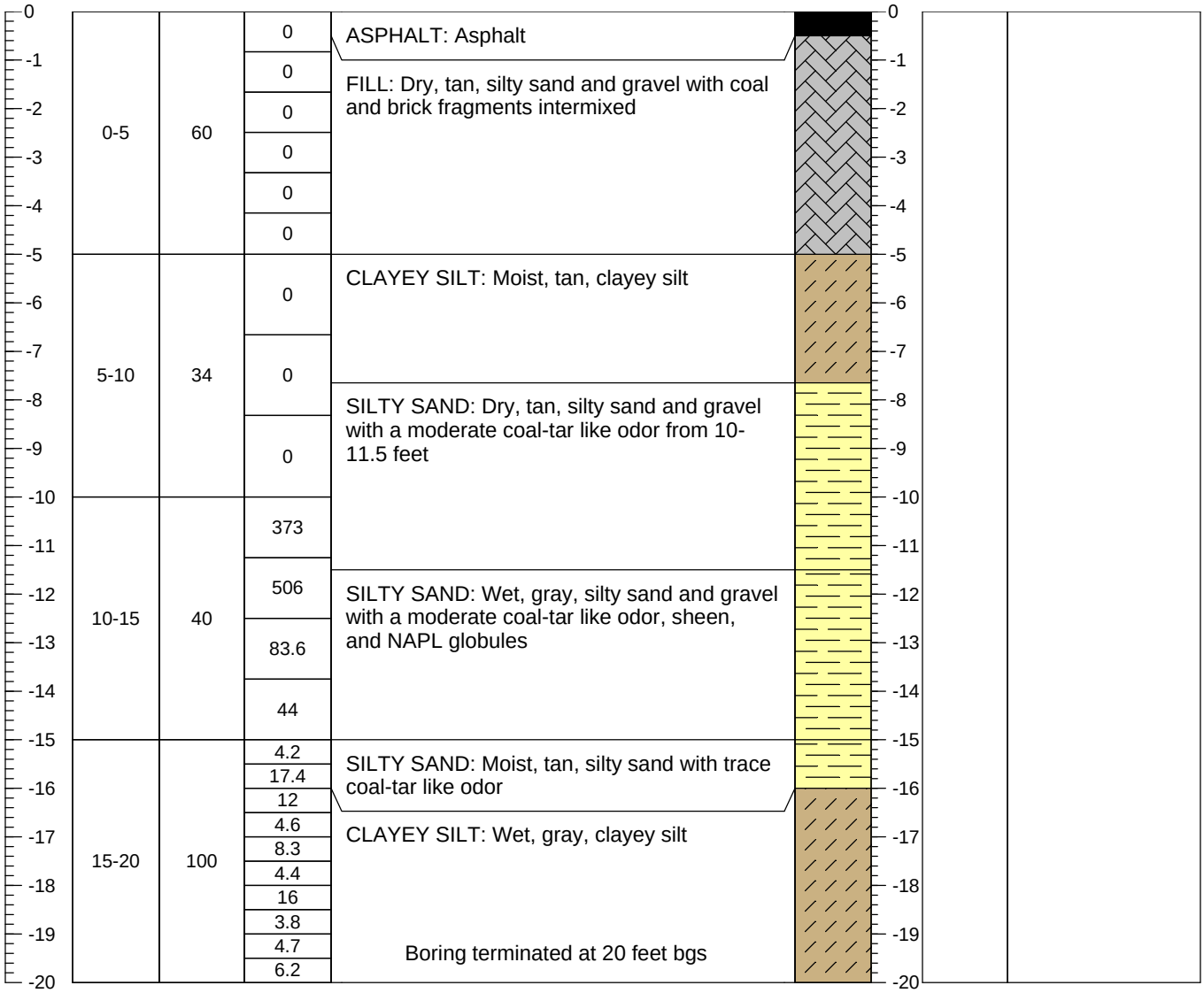
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD57

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/13/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 688.28 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Light rain, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	60	0	ASPHALT: Asphalt		
-1			0	FILL: Dry, tan, silty sand and gravel with coal and brick fragments intermixed		
-2			0			
-3			0			
-4			0			
-5			0			
-6	5-10	34	0	CLAYEY SILT: Moist, tan, clayey silt		
-7			0			
-8			0	SILTY SAND: Dry, tan, silty sand and gravel with a moderate coal-tar like odor from 10-11.5 feet		
-9						
-10	10-15	40	373			
-11			506	SILTY SAND: Wet, gray, silty sand and gravel with a moderate coal-tar like odor, sheen, and NAPL globules		
-12			83.6			
-13			44			
-14			4.2			
-15	15-20	100	17.4	SILTY SAND: Moist, tan, silty sand with trace coal-tar like odor		
-16			12			
-17			4.6	CLAYEY SILT: Wet, gray, clayey silt		
-18			8.3			
-19			4.4			
-20			16			
			3.8			
			4.7	Boring terminated at 20 feet bgs		
			6.2			



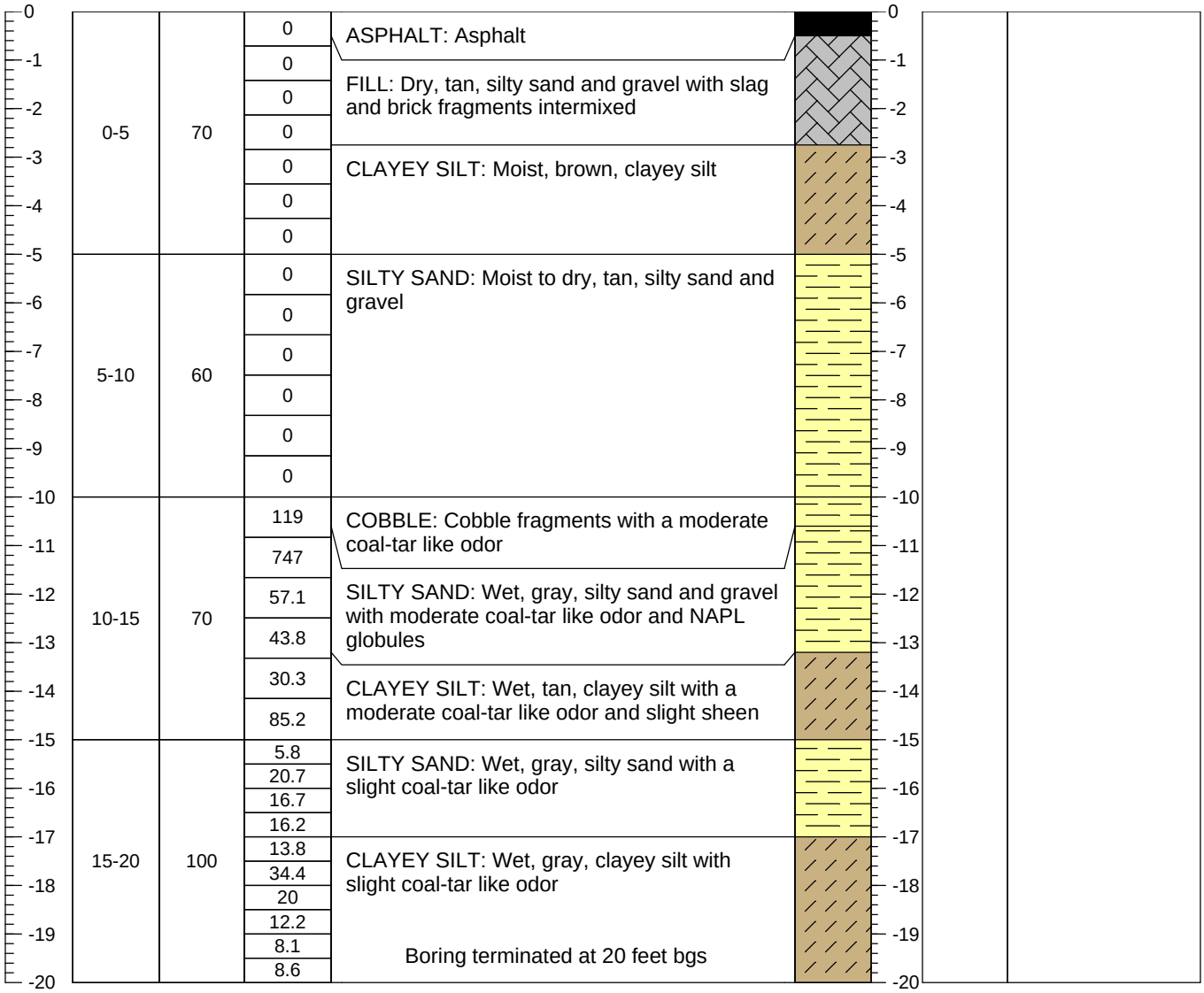
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD58

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/13/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 687.99 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Light rain, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0						
-1			0	ASPHALT: Asphalt		
-2			0	FILL: Dry, tan, silty sand and gravel with slag and brick fragments intermixed		
-3	0-5	70	0			
-4			0	CLAYEY SILT: Moist, brown, clayey silt		
-5			0			
-6			0	SILTY SAND: Moist to dry, tan, silty sand and gravel		
-7			0			
-8	5-10	60	0			
-9			0			
-10			0			
-11			119	COBBLE: Cobble fragments with a moderate coal-tar like odor		
-12			747			
-13	10-15	70	57.1	SILTY SAND: Wet, gray, silty sand and gravel with moderate coal-tar like odor and NAPL globules		
-14			43.8			
-15			30.3	CLAYEY SILT: Wet, tan, clayey silt with a moderate coal-tar like odor and slight sheen		
-16			85.2			
-17			5.8	SILTY SAND: Wet, gray, silty sand with a slight coal-tar like odor		
-18			20.7			
-19			16.7			
-20	15-20	100	16.2			
			13.8	CLAYEY SILT: Wet, gray, clayey silt with slight coal-tar like odor		
			34.4			
			20			
			12.2			
			8.1	Boring terminated at 20 feet bgs		
			8.6			



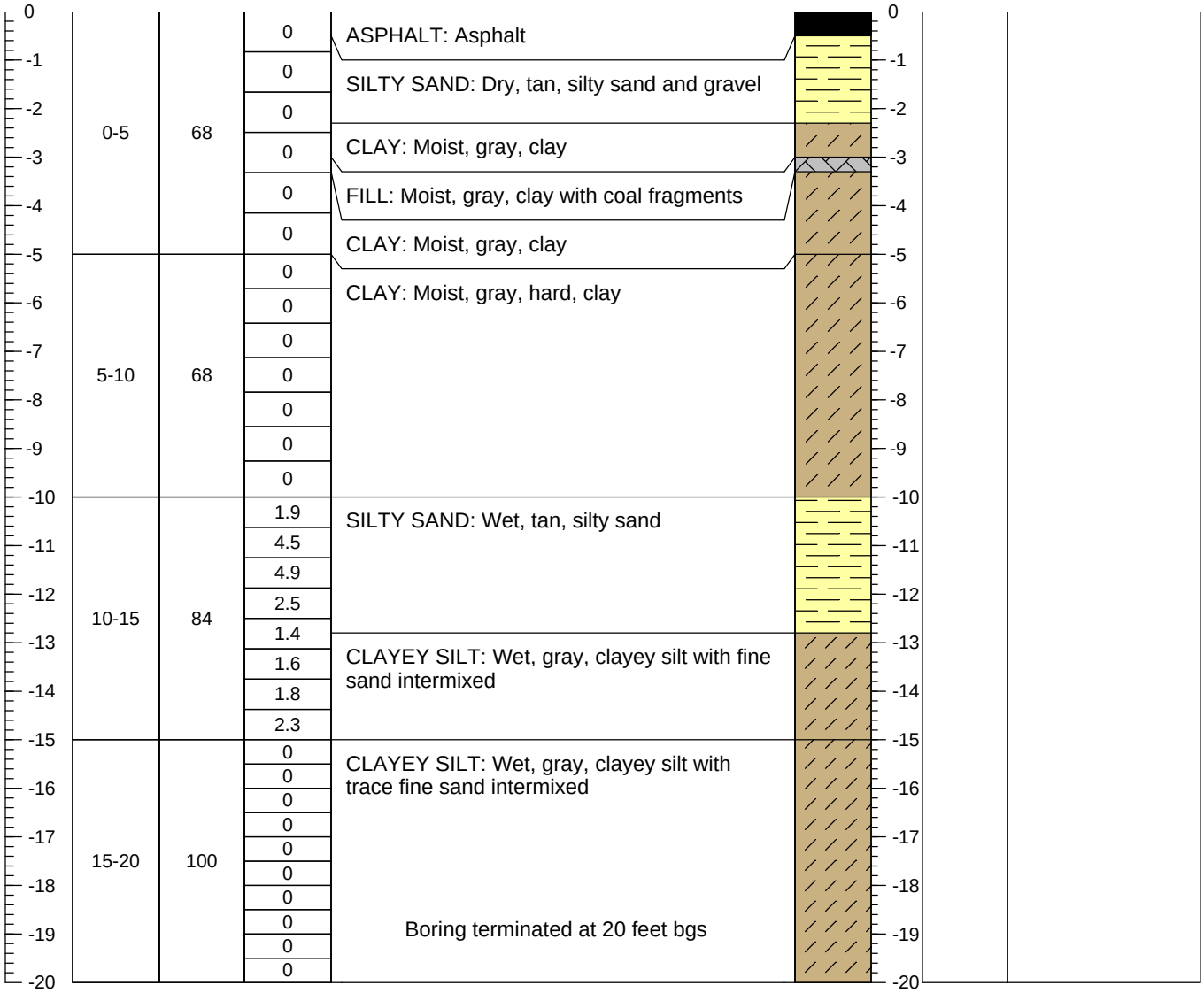
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD59

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/9/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 687.16 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	68	0	ASPHALT: Asphalt		
-1			0	SILTY SAND: Dry, tan, silty sand and gravel		
-2			0			
-3			0	CLAY: Moist, gray, clay		
-4			0	FILL: Moist, gray, clay with coal fragments		
-5			0	CLAY: Moist, gray, clay		
-6	5-10	68	0	CLAY: Moist, gray, hard, clay		
-7			0			
-8			0			
-9			0			
-10			0			
-11	10-15	84	1.9	SILTY SAND: Wet, tan, silty sand		
-12			4.5			
-13			4.9			
-14			2.5			
-15			1.4	CLAYEY SILT: Wet, gray, clayey silt with fine sand intermixed		
-16			1.6			
-17			1.8			
-18			2.3			
-19	15-20	100	0	CLAYEY SILT: Wet, gray, clayey silt with trace fine sand intermixed		
-20			0	Boring terminated at 20 feet bgs		



PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD60

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/9/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 687.39 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	63	0	ASPHALT: Asphalt		
-1			0	FILL: Moist, brown, silty sand and gravel with trace coal fragments intermixed		
-2			0			
-3			1.1			
-4			1.4	CLAY: Moist, brown, soft, clay with gravel intermixed		
-5			1.6			
-6	5-10	26	4.8	SANDY SILT: Moist, gray sandy silt and gravel with a slight gasoline-like odor		
-7						
-8			36.6			
-9						
-10	10-15	100	41.7	CLAYEY SILT: Wet, gray, clayey silt and gravel with a slight coal-tar like odor		
-11			14.1			
-12			4.5	SILTY CLAY: Wet, gray, silty clay intermixed with fine sand and a slight coal-tar like odor		
-13			9.5			
-14			3.8			
-15			2.4			
-16			2.6			
-17			5.4			
-18			4.8			
-19			2.7			
-20	15-20	100	1.1	SILTY CLAY: Wet, gray, silty clay		
			3.6			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0	Boring terminated at 20 feet bgs		

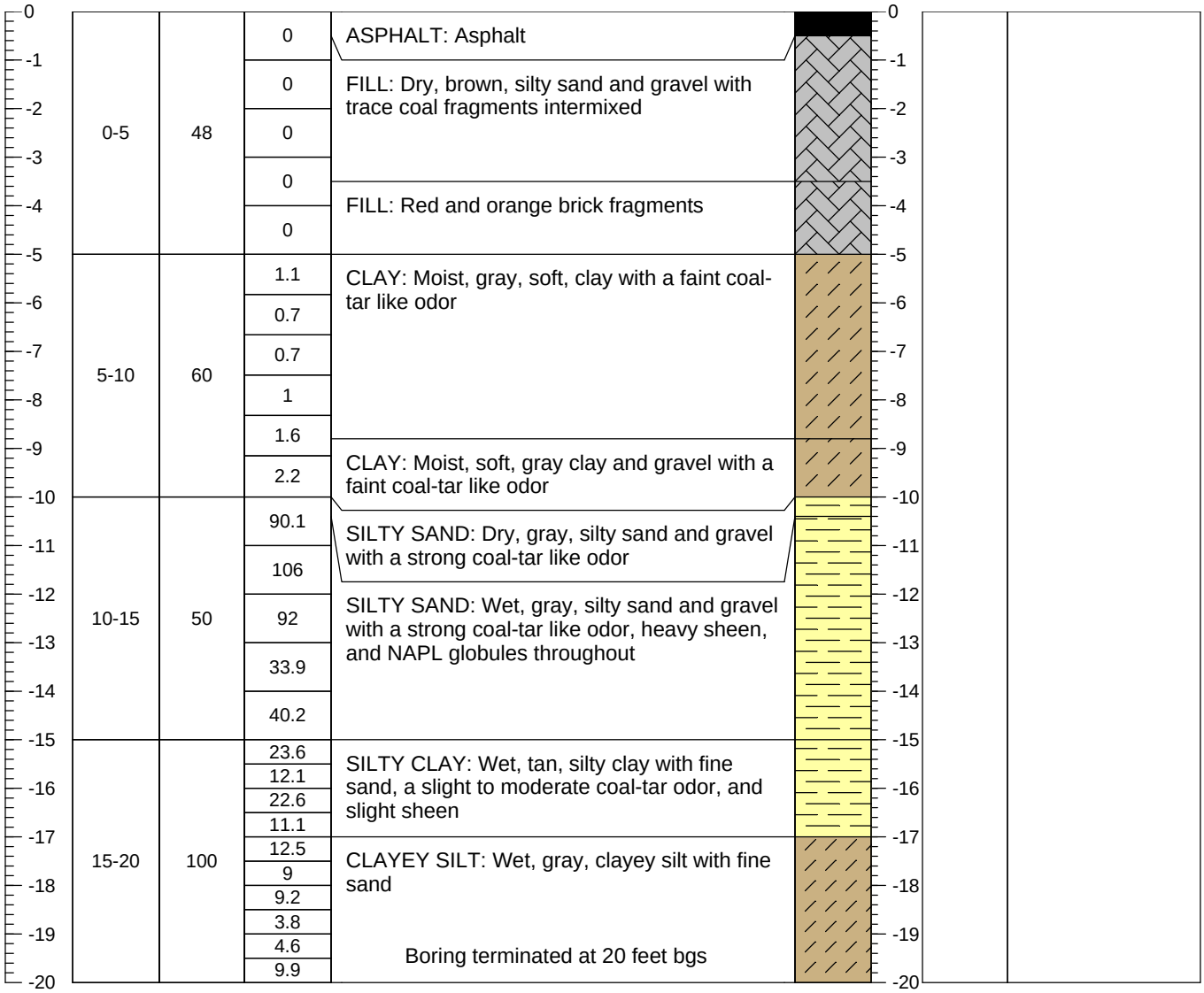
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD61

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/9/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 687.56 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	48	0	ASPHALT: Asphalt		
-1			0	FILL: Dry, brown, silty sand and gravel with trace coal fragments intermixed		
-2			0			
-3			0			
-4			0	FILL: Red and orange brick fragments		
-5			0			
-6	5-10	60	1.1	CLAY: Moist, gray, soft, clay with a faint coal-tar like odor		
-7			0.7			
-8			0.7			
-9			1			
-10			1.6			
-11			2.2	CLAY: Moist, soft, gray clay and gravel with a faint coal-tar like odor		
-12	10-15	50	90.1	SILTY SAND: Dry, gray, silty sand and gravel with a strong coal-tar like odor		
-13			106			
-14			92	SILTY SAND: Wet, gray, silty sand and gravel with a strong coal-tar like odor, heavy sheen, and NAPL globules throughout		
-15			33.9			
-16			40.2			
-17	15-20	100	23.6	SILTY CLAY: Wet, tan, silty clay with fine sand, a slight to moderate coal-tar odor, and slight sheen		
-18			12.1			
-19			22.6			
-20			11.1			
			12.5	CLAYEY SILT: Wet, gray, clayey silt with fine sand		
			9			
			9.2			
			3.8			
			4.6			
			9.9	Boring terminated at 20 feet bgs		



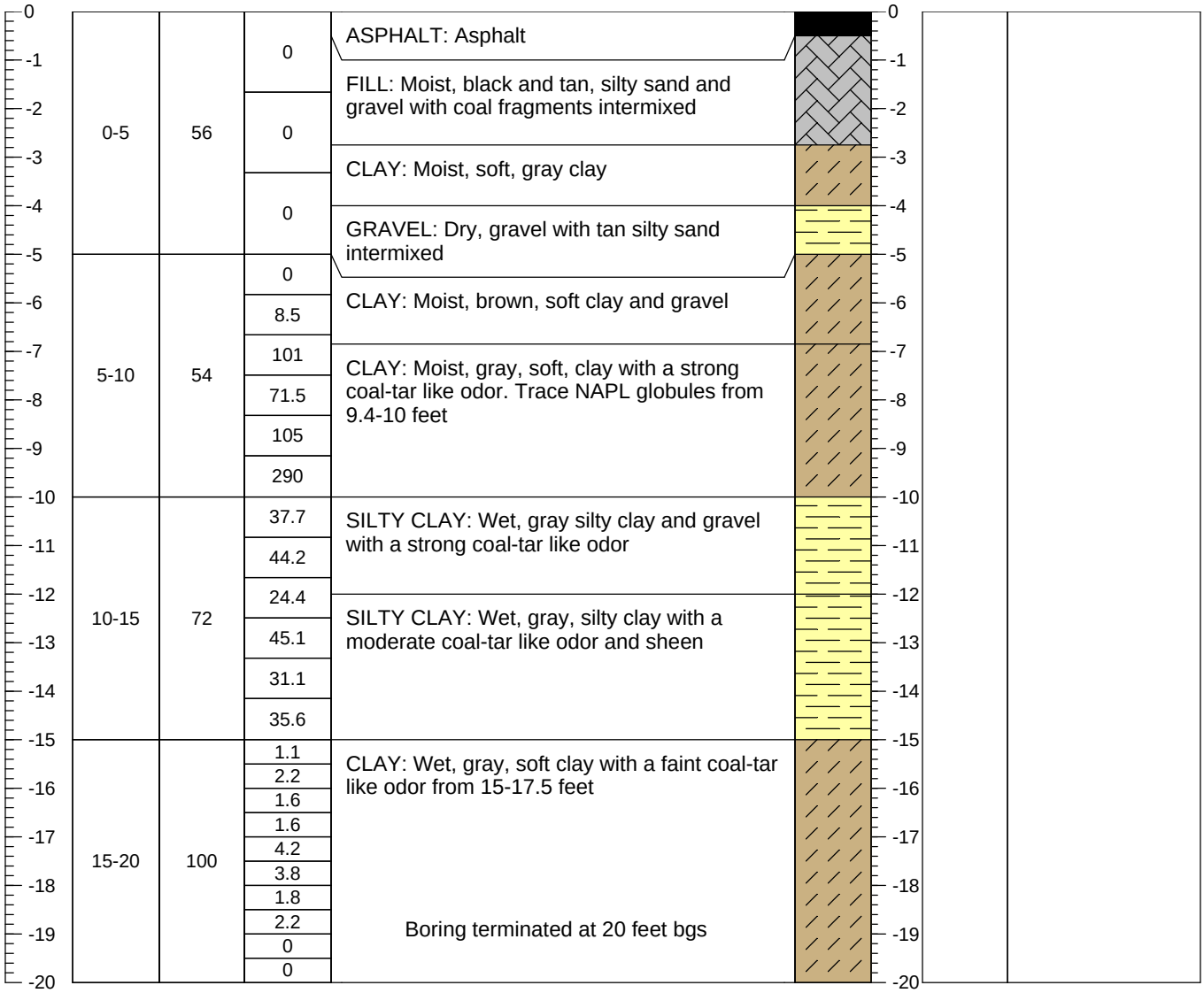
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD62

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/9/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 687.94 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	56	0	ASPHALT: Asphalt		
-1			0	FILL: Moist, black and tan, silty sand and gravel with coal fragments intermixed		
-2						
-3			0	CLAY: Moist, soft, gray clay		
-4						
-5			0	GRAVEL: Dry, gravel with tan silty sand intermixed		
-6	5-10	54	0	CLAY: Moist, brown, soft clay and gravel		
-7			8.5			
-8			101	CLAY: Moist, gray, soft, clay with a strong coal-tar like odor. Trace NAPL globules from 9.4-10 feet		
-9			71.5			
-10			105			
-11			290			
-12	10-15	72	37.7	SILTY CLAY: Wet, gray silty clay and gravel with a strong coal-tar like odor		
-13			44.2			
-14			24.4	SILTY CLAY: Wet, gray, silty clay with a moderate coal-tar like odor and sheen		
-15			45.1			
-16			31.1			
-17			35.6			
-18	15-20	100	1.1	CLAY: Wet, gray, soft clay with a faint coal-tar like odor from 15-17.5 feet		
-19			2.2			
-20			1.6			
			1.6			
			4.2			
			3.8			
			1.8			
			2.2	Boring terminated at 20 feet bgs		
			0			
			0			



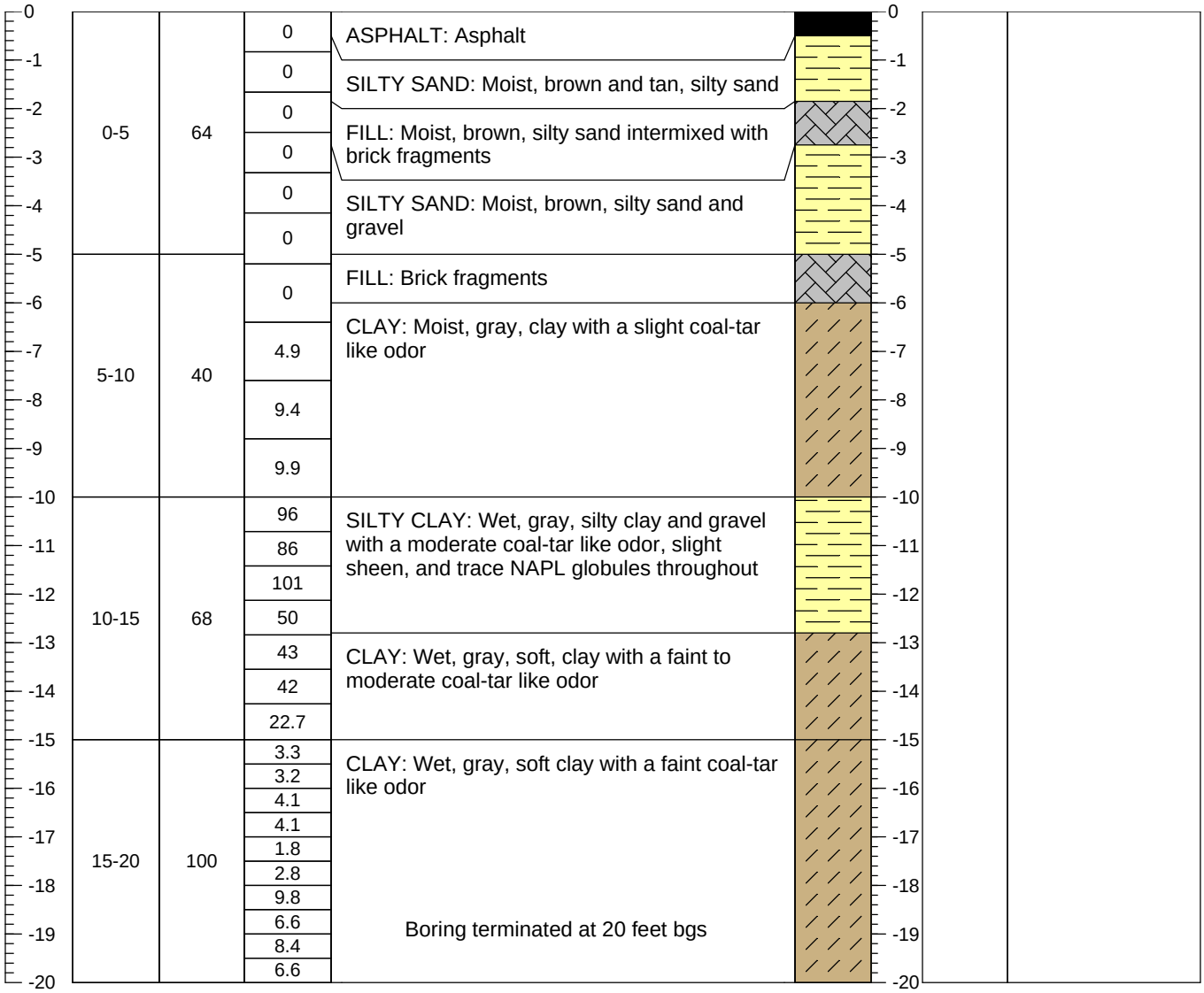
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD63

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/8/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 688.49 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	64	0	ASPHALT: Asphalt		
-1			0	SILTY SAND: Moist, brown and tan, silty sand		
-2			0	FILL: Moist, brown, silty sand intermixed with brick fragments		
-3			0			
-4			0	SILTY SAND: Moist, brown, silty sand and gravel		
-5			0			
-6	5-10	40	0	FILL: Brick fragments		
-7			4.9	CLAY: Moist, gray, clay with a slight coal-tar like odor		
-8			9.4			
-9			9.9			
-10	10-15	68	96	SILTY CLAY: Wet, gray, silty clay and gravel with a moderate coal-tar like odor, slight sheen, and trace NAPL globules throughout		
-11			86			
-12			101			
-13			50			
-14			43	CLAY: Wet, gray, soft, clay with a faint to moderate coal-tar like odor		
-15			42			
-16	15-20	100	22.7			
-17			3.3	CLAY: Wet, gray, soft clay with a faint coal-tar like odor		
-18			3.2			
-19			4.1			
-20			4.1			
			1.8			
			2.8			
			9.8			
			6.6	Boring terminated at 20 feet bgs		
			8.4			
			6.6			



PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD64

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/8/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 688.85 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	58	0	ASPHALT: Asphalt		
-1			0	SILTY SAND: Dry, brown, silty sand and gravel		
-2			0			
-3			0	FILL: Moist, brown, silty clay intermixed with brick and slag fragments		
-4			0			
-5			0			
-6	5-10	20	1.1	CLAY: Moist, gray and brown, soft, clay with gravel intermixed		
-7						
-8			1.6			
-9						
-10	10-15	50	84	CLAYEY SILT: Moist, brown, clayey silt and gravel with a moderate coal-tar like odor		
-11			501			
-12			68	CLAYEY SILT: Wet, gray, clayey silt and gravel with a moderate coal-tar like odor and a slight sheen. Trace NAPL globules from 13.6-14 feet.		
-13			121			
-14			4.8			
-15	15-20	66	12.9	CLAY: Moist, gray, hard, clay		
-16			2.2	CLAYEY SILT: Wet, gray, clayey silt with a faint coal-tar like odor		
-17			1.4			
-18			1.2			
-19			0			
-20			0			
			1.2	Boring terminated at 20 feet bgs		

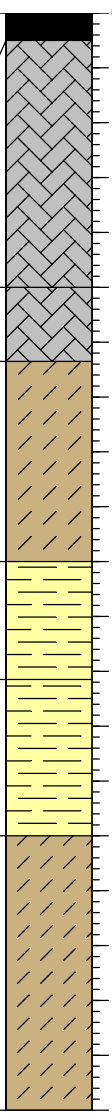
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD65

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/8/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 688.47 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	52	0	ASPHALT: Asphalt		
-1			0	FILL: Moist, tan, silty sand and gravel with trace coke-like material intermixed		
-2			0			
-3			0			
-4			0			
-5			0			
-6	5-10	66	0	FILL: Orange brick fragments		
-7			0			
-8			0	CLAY: Moist, brown, soft clay		
-9			0			
-10			0			
-11	10-15	54	11	SILTY SAND: Dry, tan, silty sand and gravel		
-12			112			
-13			60	SILTY CLAY: Wet, gray, silty clay and gravel with a moderate coal-tar like odor and a slight sheen		
-14			24.2			
-15	15-20	100	1.1	CLAYEY SILT: Wet, gray, clayey silt with a faint coal-tar like odor from 15-17 feet		
-16			2.2			
-17			1			
-18			0			
-19			0			
-20			0	Boring terminated at 20 feet bgs		



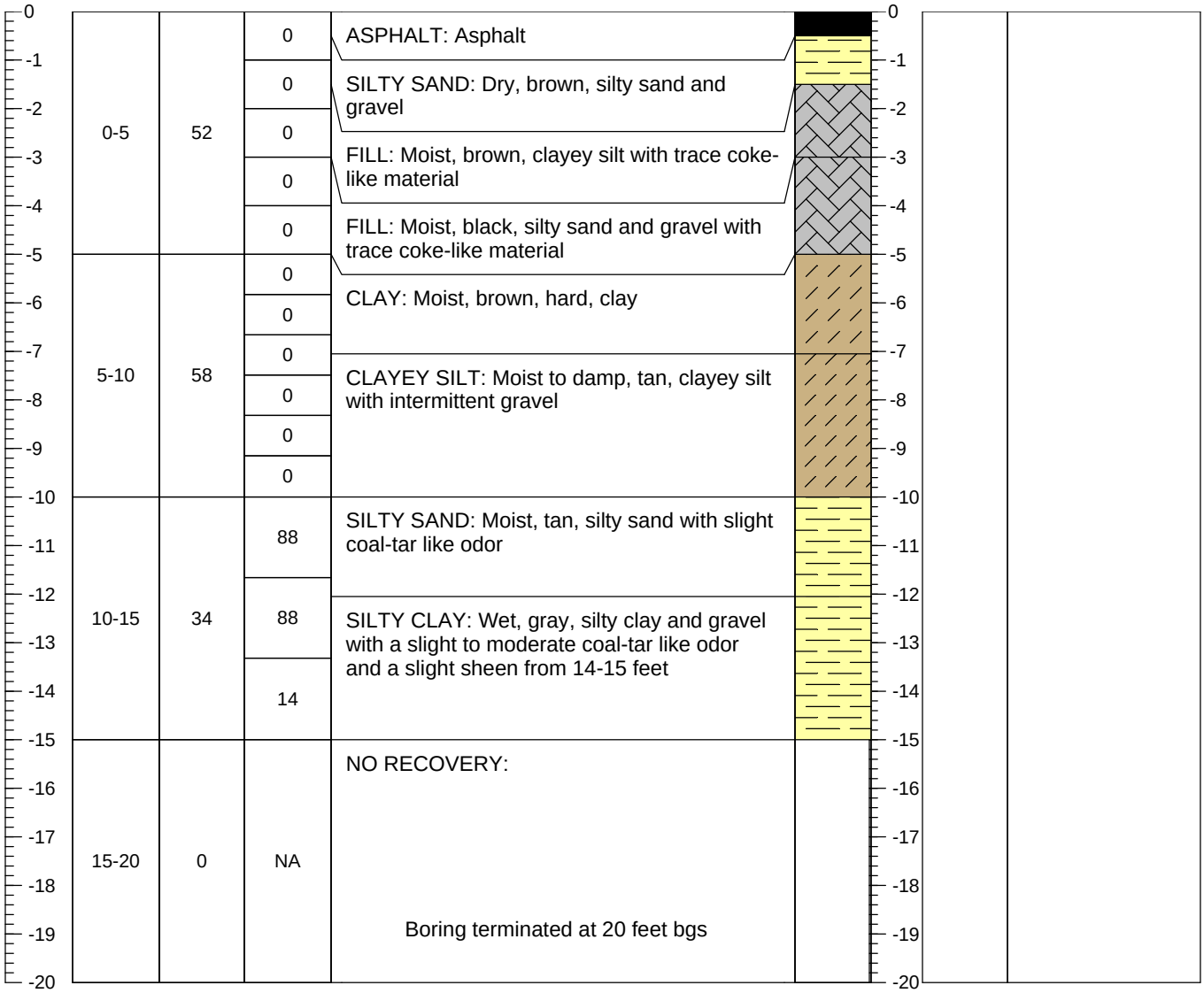
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD66

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/8/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 687.74 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	52	0	ASPHALT: Asphalt		
-1			0	SILTY SAND: Dry, brown, silty sand and gravel		
-2			0			
-3			0	FILL: Moist, brown, clayey silt with trace coke-like material		
-4			0			
-5			0	FILL: Moist, black, silty sand and gravel with trace coke-like material		
-6	5-10	58	0	CLAY: Moist, brown, hard, clay		
-7			0			
-8			0	CLAYEY SILT: Moist to damp, tan, clayey silt with intermittent gravel		
-9			0			
-10			0			
-11	10-15	34	88	SILTY SAND: Moist, tan, silty sand with slight coal-tar like odor		
-12			88	SILTY CLAY: Wet, gray, silty clay and gravel with a slight to moderate coal-tar like odor and a slight sheen from 14-15 feet		
-13						
-14			14			
-15	15-20	0	NA	NO RECOVERY:		
-16						
-17						
-18						
-19				Boring terminated at 20 feet bgs		
-20						



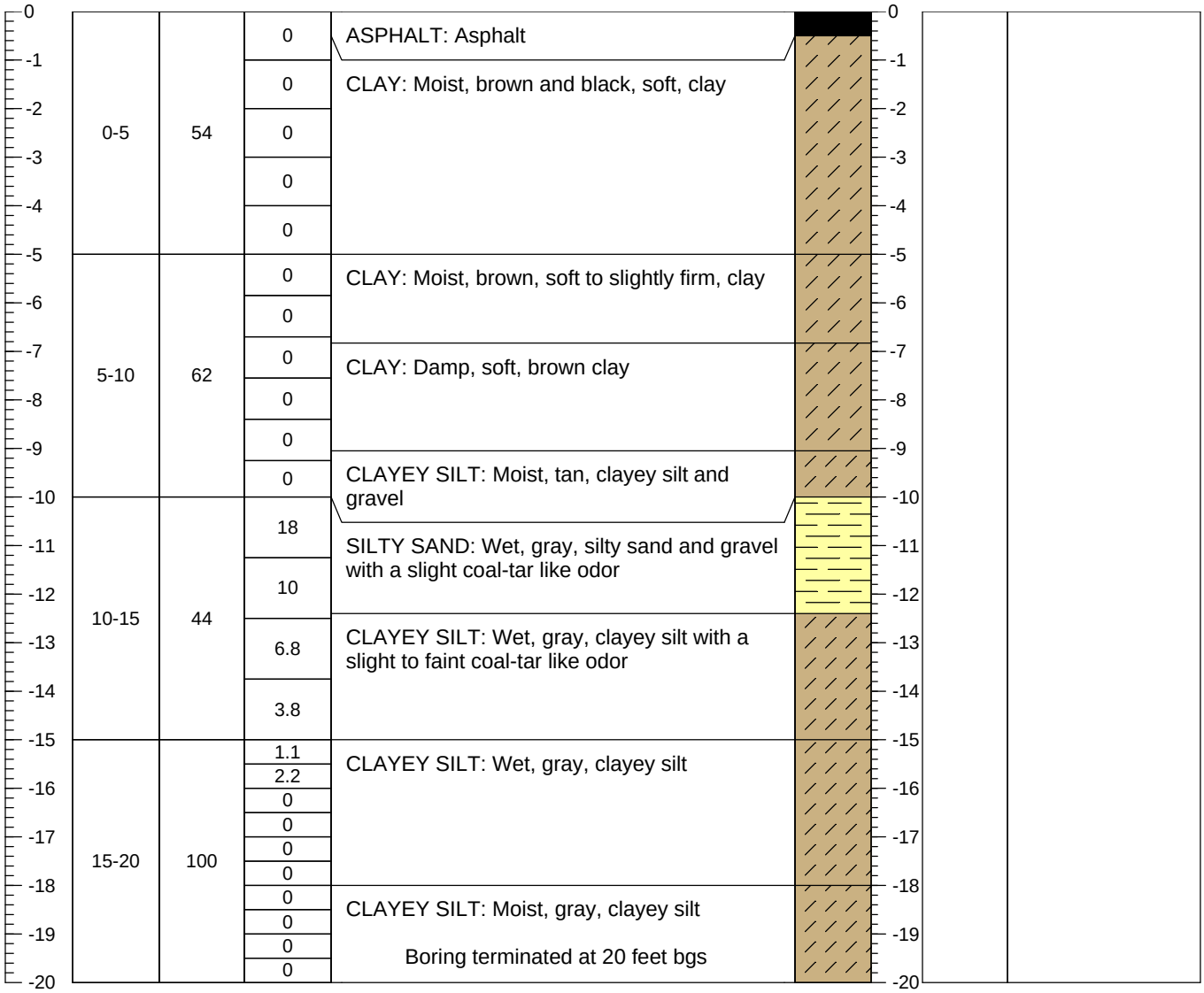
PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD67

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/8/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 686.92 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Clear, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	54	0	ASPHALT: Asphalt		
-1			0	CLAY: Moist, brown and black, soft, clay		
-2			0			
-3			0			
-4			0			
-5	5-10	62	0	CLAY: Moist, brown, soft to slightly firm, clay		
-6			0			
-7			0	CLAY: Damp, soft, brown clay		
-8			0			
-9			0			
-10	10-15	44	0	CLAYEY SILT: Moist, tan, clayey silt and gravel		
-11			18	SILTY SAND: Wet, gray, silty sand and gravel with a slight coal-tar like odor		
-12			10			
-13			6.8	CLAYEY SILT: Wet, gray, clayey silt with a slight to faint coal-tar like odor		
-14			3.8			
-15	15-20	100	1.1	CLAYEY SILT: Wet, gray, clayey silt		
-16			2.2			
-17			0			
-18			0			
-19			0	CLAYEY SILT: Moist, gray, clayey silt		
-20			0	Boring terminated at 20 feet bgs		



PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD68

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/13/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 688.49 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Light rain, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0						
-1			0	ASPHALT: Asphalt		
-2			0	FILL: Moist, tan, silty sand and gravel with coal fragments intermixed		
-3	0-5	60	0			
-4			0	SILTY CLAY: Moist, tan, silty clay		
-5			0			
-6			0	SILTY SAND: Moist, tan, silty sand and gravel		
-7			0			
-8	5-10	46	0			
-9			0			
-10			0			
-11			93.8	SILTY SAND: Wet, gray and tan, silty sand and gravel with a moderate coal-tar like odor and slight NAPL globules from 12.5-15 feet		
-12			340			
-13	10-15	44	158			
-14			68.3			
-15			20.3			
-16			19.1	SILTY SAND: Wet, gray, silty sand with a slight coal-tar like odor		
-17			47.2			
-18			49	CLAYEY SILT: Wet, gray, clayey silt with a slight coal-tar like odor		
-19	15-20	100	13			
-20			26.4			
			26.3			
			10.1			
			12.8			
			16.7	Boring terminated at 20 feet bgs		

PID (ppm) = Photo-Ionization Detector, readings in parts per million

SD69

PROJECT: Dansville
PROJECT NO: 103023/52
LOCATION: Dansville, NY
DATE: 11/13/12
DRILLING CONTRACTOR: MICAH
DRILLER: Ryan Brown
DRILLING METHOD: Direct Push

SAMPLING METHOD: 5 ft. Geoprobe Macro-Cores
GROUND ELEVATION: 688.93 Feet above MSL
WELL ELEVATION: NA
OUTER CASING ELEVATION: NA
DEPTH TO WATER: NA
BOREHOLE DEPTH: 20 Feet
WEATHER: Light rain, 30-40 Degrees
GEOLOGIST: Bryan Massa

DEPTH (ft.)	SAMPLE INTERVAL (ft.)	% RECOVERY	PID (ppm)	SOIL DESCRIPTION and LITHOLOGIC SYMBOL	WELL CONSTRUCTION	REMARKS
0	0-5	52	0	ASPHALT: Asphalt		
-1			0	FILL: Dry, tan, silty sand and gravel with brick fragments intermixed		
-2			0			
-3			0			
-4			0			
-5			0			
-6	5-10	48	0	CLAY: Wet, gray, soft, clay		
-7			0			
-8			0			
-9			0	SILTY SAND: Damp, tan, silty sand and gravel		
-10			0			
-11	10-15	60	12.3	SILTY SAND: Wet, gray, silty sand and gravel with a strong coal-tar like odor and moderate NAPL globules		
-12			82.1			
-13			232			
-14			78.2	CLAYEY SILT: Wet, tan, clayey silt with a moderate coal-tar like odor		
-15			91			
-16			48.5			
-17	15-20	100	85	CLAYEY SILT: Wet, gray, clayey silt with a moderate coal-tar like odor and a heavy sheen		
-18			46.6			
-19			18.5			
-20			14.4			
			29.3	CLAYEY SILT: Wet, gray, clayey silt with a slight coal-tar like odor		
			17.3			
			7.3			
			0			
			0	CLAY: Moist, gray, clay		
			0	Boring terminated at 20 feet bgs		

PID (ppm) = Photo-Ionization Detector, readings in parts per million

DAILY CAMP REPORTS

DANSVILLE SUPPLEMENTAL PDI INVESTIGATION

NYSEG

DANSVILLE, NEW YORK

COMMUNITY AIR MONITORING PLAN (CAMP) - SUMMARY REPORT

Thursday, November 08, 2012

Location:			Location 1 (Up-Gradient)		Location 2 (Cross-Gradient)		Location 3 (Down-Gradient)	
Approximate Time Period	Temperature (F)	Relative Humidity (%)	Average[1,2] VOCs (ppm)	Average[1,3] Particulate (ug/m^3)	Average[1,2] VOCs (ppm)	Average[1,3] Particulate (ug/m^3)	Average[1,2] VOCs (ppm)	Average[1,3] Particulate (ug/m^3)
10:00	44.8	36	0.0	0.0	0.0	5.8	0.0	2.1
10:15	46.0	37	0.0	0.0	0.0	4.6	0.0	0.0
10:30	46.5	37	0.0	0.0	0.0	4.3	0.0	0.4
10:45	46.5	36	0.0	0.0	0.0	4.0	0.0	0.0
11:00	46.0	36	0.0	0.0	0.0	3.8	0.0	0.0
11:15	45.6	35	0.0	0.0	0.0	4.1	0.0	0.4
11:30	45.1	35	0.0	0.0	0.0	3.6	0.0	0.0
11:45	45.0	35	0.0	0.0	0.0	6.2	0.0	0.0
12:00	45.3	34	0.0	0.0	0.0	4.2	0.0	0.2
12:15	45.3	34	0.0	0.0	0.0	4.1	0.0	0.0
12:30	45.5	35	0.0	0.0	0.0	4.4	0.0	0.2
12:45	45.8	35	0.0	0.0	0.0	4.8	0.0	0.0
13:00	46.1	35	0.0	0.0	0.0	5.6	0.0	0.4
13:15	46.4	35	0.0	0.0	0.0	4.5	0.0	0.6
13:30	46.5	34	0.0	0.0	0.0	7.7	0.0	0.0
13:45	46.5	34	0.0	0.0	0.0	13.7	0.0	9.3
14:00	46.6	34	0.0	0.0	0.0	12.9	0.0	8.1
14:15	46.7	34	0.0	0.0	0.0	10.7	0.0	5.2
14:30	46.7	33	0.0	0.0	0.0	9.1	0.0	2.4
14:45	46.7	33	0.0	0.0	0.0	11.1	0.0	10.0
15:00	46.3	33	0.0	0.0	0.0	7.7	0.0	2.5
15:15	45.9	33	0.0	0.0	0.0	8.2	0.0	3.0
15:30	45.4	34	0.0	0.0	0.0	9.2	0.0	3.9
15:45	45.0	35	0.0	0.0	0.0	8.0	0.0	4.2
16:00	44.7	35	0.0	0.0	0.0	13.0	0.0	7.3
16:15	44.4	36	0.0	0.0	0.0	10.5	0.0	10.1
16:30	43.9	36	0.0	0.0	0.0	11.5	0.0	9.5

Action Levels	
VOCs	**5.0 ppm (Above Up-Gradient Levels)**
Particulate	**100 ug/m^3 (Above Up-Gradient Levels)**

Observations:

Ambient air monitoring activities on this date indicated that 15-minute TWA concentrations of Volatile Organic Compounds (VOCs) and particulate matter did not, at any time, exceed the established action levels at the perimeter of the site.

Notes:

1) All values shown are 15-minute Time Weighted Averages (TWA) for the period ending at the approximate time indicated.

2) VOC measurements were obtained with three MiniRAE 3000 PGM-7600 photoionization detectors with a 10.6 eV electrodeless ultraviolet discharge lamp.

3) Particulate measurements were obtained with three DataRam DR-4000 portable particle sizing aerosol monitors. All particulate concentrations listed are for particulate matter less than 10 micrometers in size (PM-10).

4) Parts Per Million (ppm).

5) Micrograms Per Cubic Meter (ug/m3).

DANSVILLE SUPPLEMENTAL PDI INVESTIGATION

NYSEG

DANSVILLE, NEW YORK

COMMUNITY AIR MONITORING PLAN (CAMP) - SUMMARY REPORT

Friday, November 09, 2012

Location:			Location 1 (Up-Gradient)		Location 2 (Cross-Gradient)		Location 3 (Down-Gradient)	
Approximate Time Period	Temperature (F)	Relative Humidity (%)	Average[1,2] VOCs (ppm)	Average[1,3] Particulate (ug/m^3)	Average[1,2] VOCs (ppm)	Average[1,3] Particulate (ug/m^3)	Average[1,2] VOCs (ppm)	Average[1,3] Particulate (ug/m^3)
8:00	59.7	30	0.0	0.0	0.0	40.9	0.0	21.9
8:15	56.9	29	0.0	0.0	0.0	25.0	0.0	19.2
8:30	54.1	30	0.0	0.0	0.0	30.1	0.0	22.7
8:45	51.4	32	0.0	0.0	0.0	33.8	0.0	23.6
9:00	49.1	35	0.0	0.0	0.0	38.1	0.0	23.7
9:15	47.3	37	0.0	0.0	0.0	39.4	0.0	27.7
9:30	45.9	40	0.0	0.0	0.0	41.0	0.0	30.1
9:45	45.0	42	0.0	0.0	0.0	40.0	0.0	31.9
10:00	44.3	44	0.0	0.0	0.0	39.4	0.0	32.5
10:15	44.0	45	0.0	0.0	0.0	39.5	0.0	27.3
10:30	44.0	47	0.0	0.0	0.0	38.2	0.0	27.7
10:45	44.3	48	0.0	0.0	0.0	35.5	0.0	25.9
11:00	44.9	49	0.0	0.0	0.0	33.2	0.0	22.0
11:15	46.0	49	0.0	0.0	0.0	31.1	0.0	21.7
11:30	47.2	48	0.0	0.0	0.0	31.0	0.0	22.4
11:45	48.1	48	0.0	0.0	0.0	32.3	0.0	22.7
12:00	49.0	47	0.0	0.0	0.0	32.7	0.0	23.0
12:15	49.8	46	0.0	0.0	0.0	32.8	0.0	23.1
12:30	50.4	45	0.0	0.0	0.0	32.7	0.0	22.4
12:45	50.8	45	0.0	0.0	0.0	28.3	0.0	19.8
13:00	51.2	44	0.0	0.0	0.0	26.7	0.0	18.5
13:15	51.5	44	0.0	0.0	0.0	25.3	0.0	18.0
13:30	52.1	44	0.0	0.0	0.0	24.8	0.0	17.6
13:45	52.7	44	0.0	0.0	0.0	25.4	0.0	19.0
14:00	53.3	44	0.0	0.0	0.0	24.6	0.0	20.4
14:15	53.9	44	0.0	0.0	0.0	23.8	0.0	21.8
14:30	54.5	44	0.0	0.0	0.0	23.0	0.0	23.2
14:45	55.1	44	0.0	0.0	0.0	22.3	0.0	24.6
15:00	55.7	44	0.0	0.0	0.0	21.5	0.0	26.0
15:15	56.3	44	0.0	0.0	0.0	20.7	0.0	27.4
15:30	56.9	44	0.0	0.0	0.0	19.9	0.0	28.8
15:45	57.5	44	0.0	0.0	0.0	19.1	0.0	30.2
16:00	58.1	44	0.0	0.0	0.0	18.4	0.0	31.6
16:15	58.7	44	0.0	0.0	0.0	17.6	0.0	33.0
16:30	59.3	44	0.0	0.0	0.0	16.8	0.0	34.4

Action Levels	
VOCs	**5.0 ppm (Above Up-Gradient Levels)**
Particulate	**100 ug/m^3 (Above Up-Gradient Levels)**

Observations:

Ambient air monitoring activities on this date indicated that 15-minute TWA concentrations of Volatile Organic Compounds (VOCs) and particulate matter did not, at any time, exceed the established action levels at the perimeter of the site.

Notes:

1) All values shown are 15-minute Time Weighted Averages (TWA) for the period ending at the approximate time indicated.

2) VOC measurements were obtained with three MiniRAE 3000 PGM-7600 photoionization detectors with a 10.6 eV electrodeless ultraviolet discharge lamp.

3) Particulate measurements were obtained with three DataRam DR-4000 portable particle sizing aerosol monitors. All particulate concentrations listed are for particulate matter less than 10 micrometers in size (PM-10).

4) Parts Per Million (ppm).

5) Micrograms Per Cubic Meter (ug/m3).

DANSVILLE SUPPLEMENTAL PDI INVESTIGATION

NYSEG

DANSVILLE, NEW YORK

COMMUNITY AIR MONITORING PLAN (CAMP) - SUMMARY REPORT

Monday, November 12, 2012

Location:			Location 1 (Up-Gradient)		Location 2 (Cross-Gradient)		Location 3 (Down-Gradient)	
Approximate Time Period	Temperature (F)	Relative Humidity (%)	Average[1,2] VOCs (ppm)	Average[1,3] Particulate (ug/m^3)	Average[1,2] VOCs (ppm)	Average[1,3] Particulate (ug/m^3)	Average[1,2] VOCs (ppm)	Average[1,3] Particulate (ug/m^3)
8:00	58.9	43	0.0	0.0	0.0	12.1	0.0	8.1
8:15	59.4	45	0.0	6.4	0.0	11.7	0.0	6.7
8:30	59.9	46	0.0	58.0	0.0	13.6	0.0	6.5
8:45	60.3	46	0.0	57.0	0.0	12.2	0.0	6.7
9:00	60.8	47	0.0	54.8	0.0	12.5	0.0	6.5
9:15	61.2	47	0.0	55.6	0.0	12.1	0.0	6.5
9:30	61.7	47	0.0	55.8	0.0	12.3	0.0	6.5
9:45	62.1	48	0.0	53.4	0.0	12.6	0.0	6.4
10:00	62.6	48	0.0	55.3	0.0	12.7	0.0	6.5
10:15	63.1	48	0.0	56.2	0.0	13.6	0.0	6.2
10:30	63.7	48	0.0	55.1	0.0	12.2	0.0	7.0
10:45	64.3	48	0.0	53.7	0.0	15.3	0.0	6.3
11:00	64.8	48	0.0	54.8	0.0	13.4	0.0	6.4
11:15	65.3	47	0.0	53.6	0.0	12.6	0.0	5.6
11:30	66.0	47	0.0	52.4	0.0	13.3	0.0	5.1
11:45	66.9	47	0.0	53.4	0.0	27.3	0.0	5.0
12:00	67.6	46	0.0	53.0	0.0	16.2	0.0	4.2
12:15	68.2	45	0.0	55.0	0.0	11.4	0.0	4.4
12:30	68.9	44	0.0	53.7	0.0	11.3	0.0	2.9
12:45	69.3	44	0.0	52.2	0.0	11.5	0.0	2.3
13:00	69.4	43	0.0	51.7	0.0	12.2	0.0	1.8
13:15	69.6	43	0.0	50.9	0.0	10.5	0.0	1.5
13:30	69.8	43	0.0	50.4	0.0	16.6	0.0	1.9
13:45	69.8	42	0.0	49.6	0.0	9.8	0.0	0.9
14:00	69.9	42	0.0	49.4	0.0	8.6	0.0	0.7
14:15	70.4	42	0.0	51.1	0.0	23.4	0.0	0.9
14:30	71.1	42	0.0	50.4	0.0	10.9	0.0	0.9
14:45	71.8	41	0.0	52.1	0.0	13.7	0.0	1.2
15:00	72.0	40	0.0	43.5	0.0	46.5	0.0	1.7
15:15	71.7	40	0.0	0.0	0.0	17.3	0.0	1.2
15:30	71.1	41	0.0	0.1	0.0	22.9	0.0	1.5
15:45	70.7	41	0.0	0.1	0.0	10.2	0.0	0.9
16:00	70.3	41	0.0	0.1	0.0	10.0	0.0	1.3

Action Levels	
VOCs	**5.0 ppm (Above Up-Gradient Levels)**
Particulate	**100 ug/m^3 (Above Up-Gradient Levels)**

Observations:

Ambient air monitoring activities on this date indicated that 15-minute TWA concentrations of Volatile Organic Compounds (VOCs) and particulate matter did not, at any time, exceed the established action levels at the perimeter of the site.

Notes:

1) All values shown are 15-minute Time Weighted Averages (TWA) for the period ending at the approximate time indicated.

2) VOC measurements were obtained with three MiniRAE 3000 PGM-7600 photoionization detectors with a 10.6 eV electrodeless ultraviolet discharge lamp.

3) Particulate measurements were obtained with three DataRam DR-4000 portable particle sizing aerosol monitors. All particulate concentrations listed are for particulate matter less than 10 micrometers in size (PM-10).

4) Parts Per Million (ppm).

5) Micrograms Per Cubic Meter (ug/m3).

DANSVILLE SUPPLEMENTAL PDI INVESTIGATION

NYSEG

DANSVILLE, NEW YORK

COMMUNITY AIR MONITORING PLAN (CAMP) - SUMMARY REPORT

Tuesday, November 13, 2012

Location:			Location 1 (Up-Gradient)		Location 2 (Cross-Gradient)		Location 3 (Down-Gradient)	
Approximate Time Period	Temperature (F)	Relative Humidity (%)	Average[1,2] VOCs (ppm)	Average[1,3] Particulate (ug/m^3)	Average[1,2] VOCs (ppm)	Average[1,3] Particulate (ug/m^3)	Average[1,2] VOCs (ppm)	Average[1,3] Particulate (ug/m^3)
10:30	43.8	42	0.0	16.0	0.0	17.0	0.0	15.4
10:45	42.9	46	0.0	16.3	0.0	16.7	0.0	13.8
11:00	42.3	49	0.0	16.3	0.0	16.5	0.0	14.0
11:15	41.8	50	0.0	16.9	0.0	16.3	0.0	14.5
11:30	41.3	52	0.0	18.8	0.0	17.6	0.0	15.8
11:45	41.0	54	0.0	19.7	0.0	19.7	0.0	16.5
12:00	40.7	55	0.0	20.5	0.0	20.4	0.0	17.0
12:15	40.6	55	0.0	19.1	0.0	20.5	0.0	16.1
12:30	40.6	55	0.0	18.1	0.0	18.5	0.0	15.2
12:45	40.5	54	0.0	16.0	0.0	17.1	0.0	14.2

Action Levels	
VOCs	**5.0 ppm (Above Up-Gradient Levels)**
Particulate	**100 ug/m^3 (Above Up-Gradient Levels)**

Observations:

Ambient air monitoring activities on this date indicated that 15-minute TWA concentrations of Volatile Organic Compounds (VOCs) and particulate matter did not, at any time, exceed the established action levels at the perimeter of the site.

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