

**APPENDIX B**  
**SOIL BORING GEOLOGIC LOGS**

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring SB-1**  
 Sheet 1 of 1

Date(s) Drilled <b>May 4, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>16 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>23 feet</b>
Groundwater Level and Date Measured <b>Not Encountered ATD</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>Cuttings and Asphalt Patch</b>	Location <b>SB-1 North entrance of site.</b>	

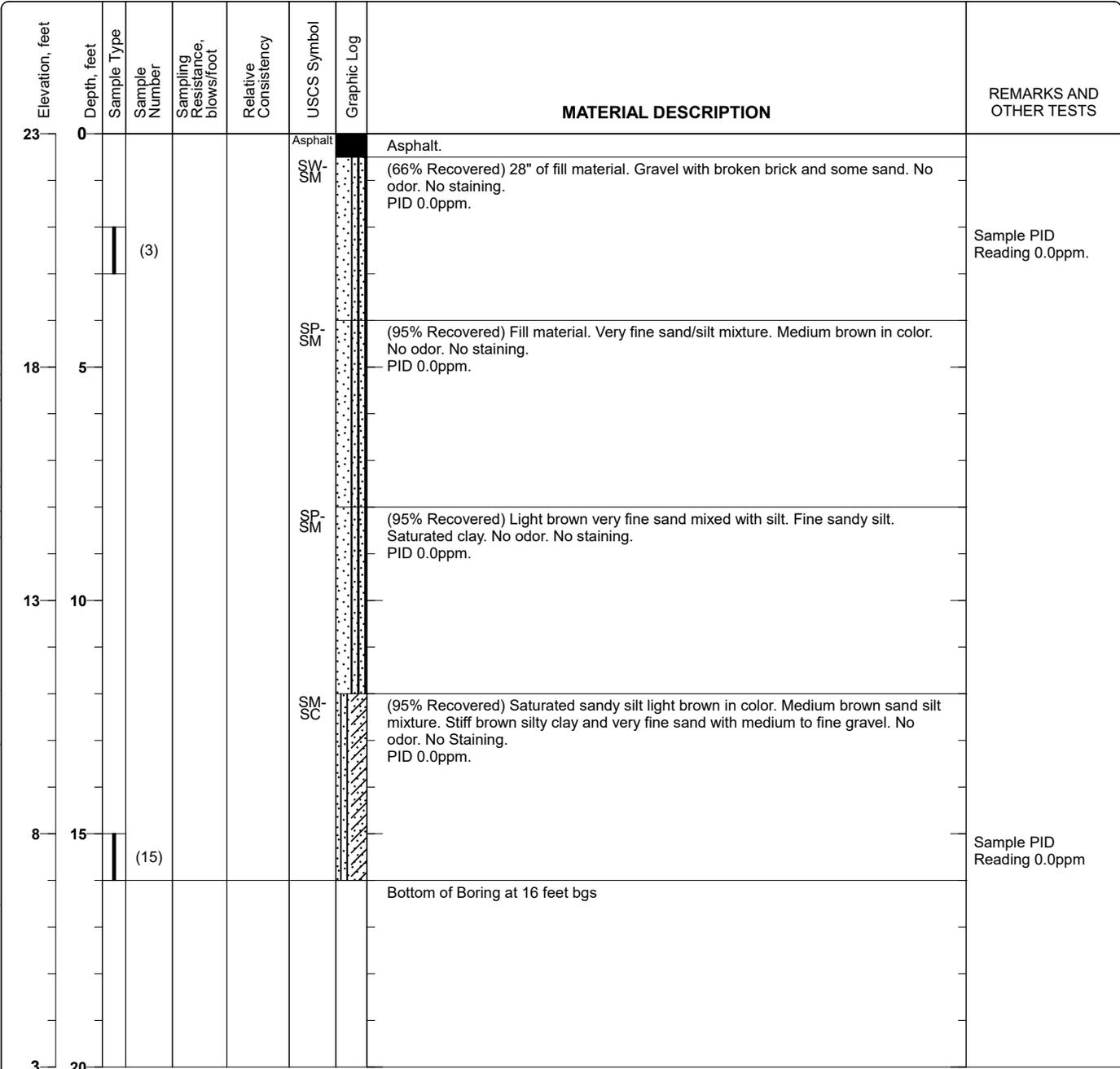


Figure 1

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring SB-2**  
 Sheet 1 of 1

Date(s) Drilled <b>May 5, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>16 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>24 feet</b>
Groundwater Level and Date Measured <b>Not Encountered ATD</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>Cuttings</b>	Location <b>SB-2 Western part of site on the side of building</b>	

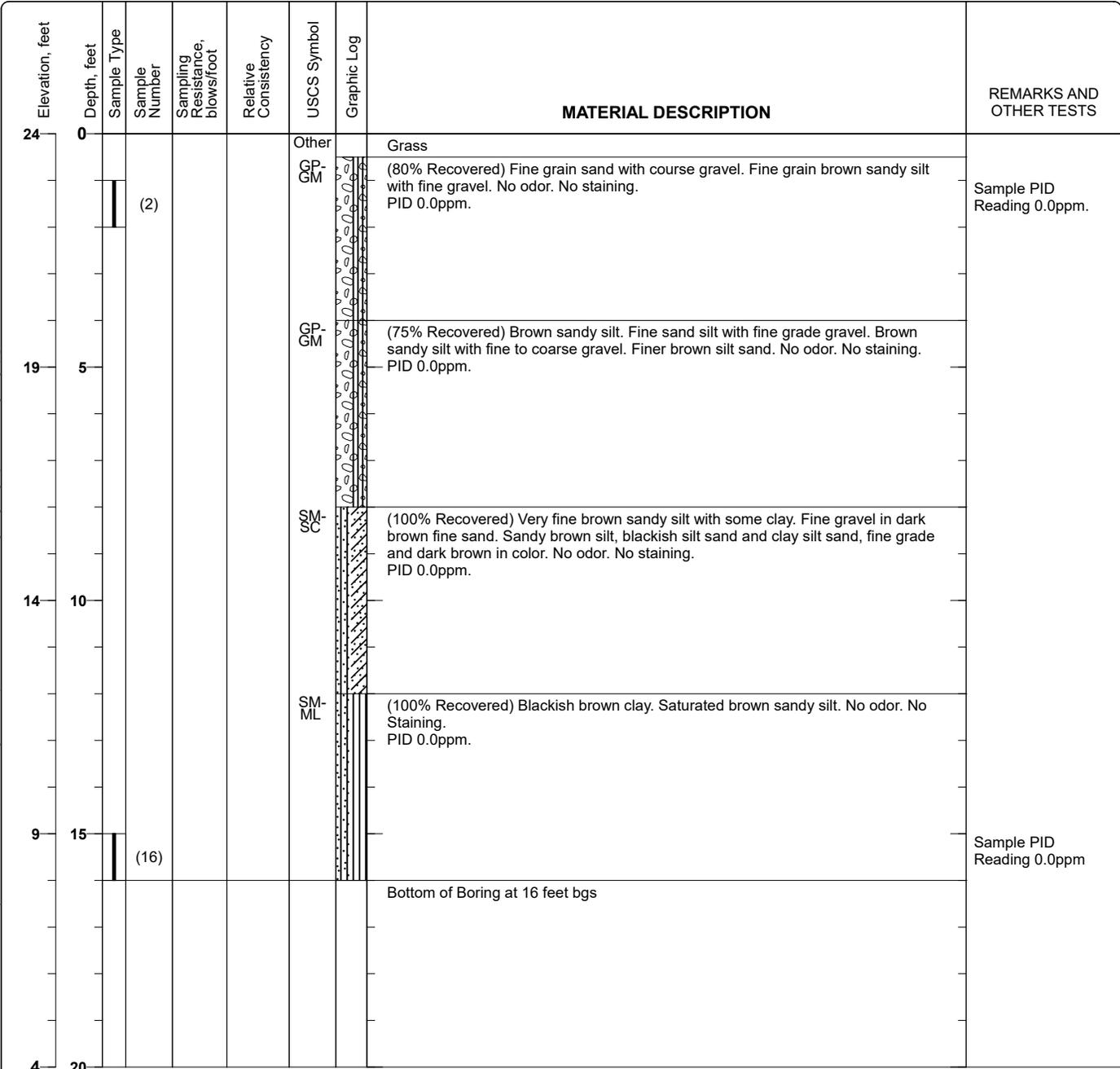


Figure 2

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring SB-3**  
 Sheet 1 of 1

Date(s) Drilled <b>May 3, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>16 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>23 feet</b>
Groundwater Level and Date Measured <b>Not Encountered ATD</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>Cuttings and Asphalt Patch</b>	Location <b>SB-3 Northern center of site</b>	

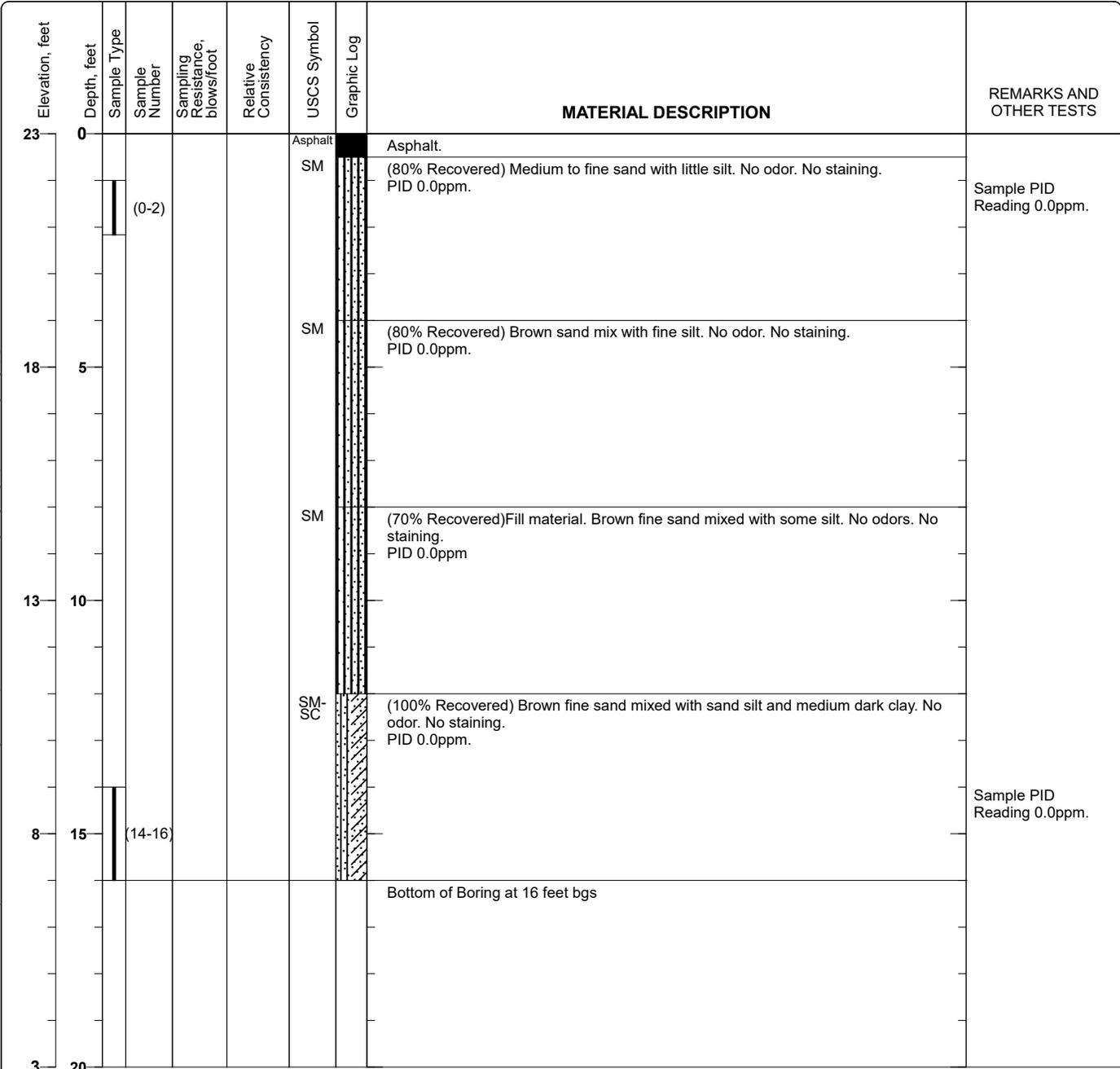
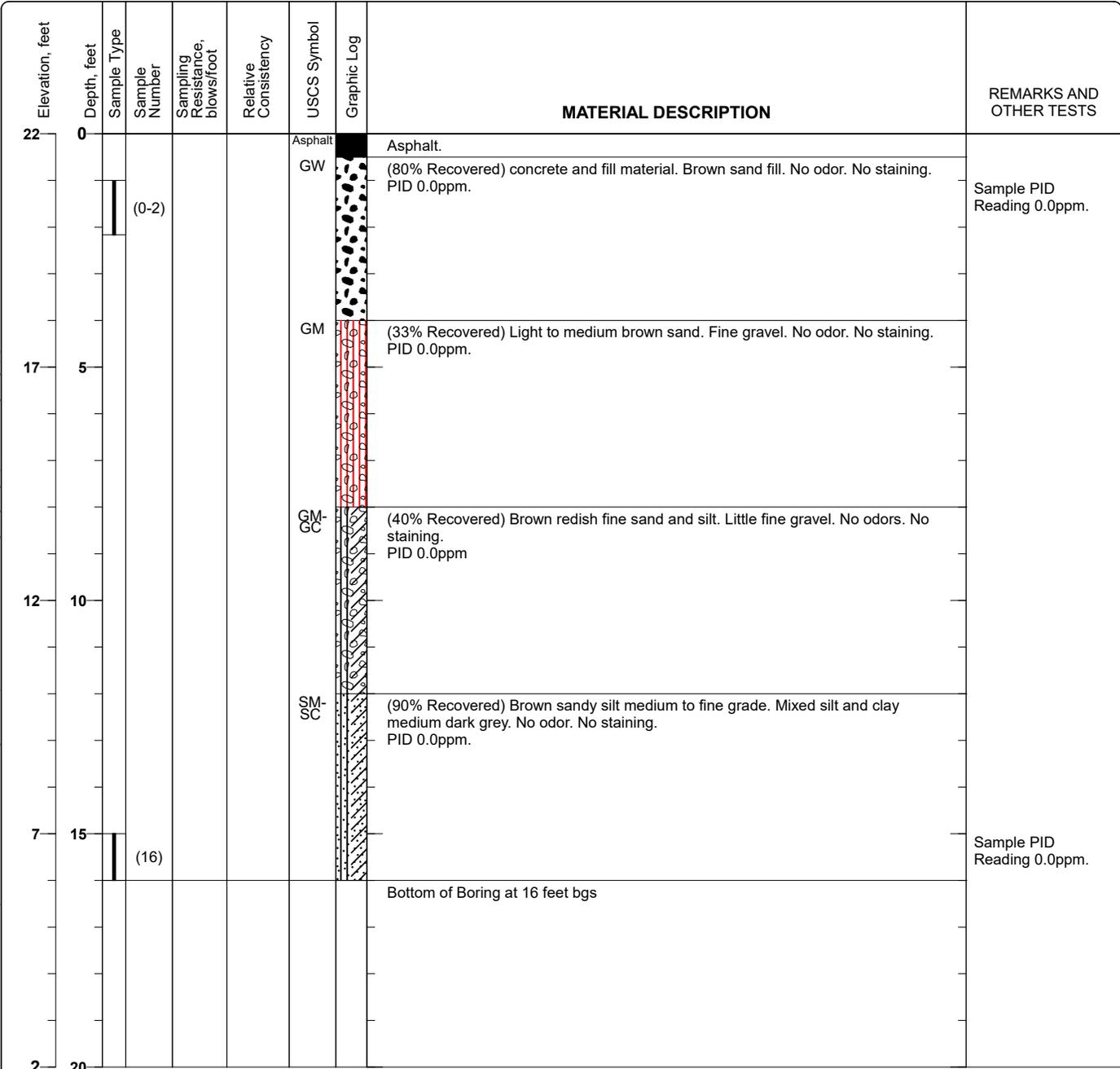


Figure 3

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring SB-4**  
 Sheet 1 of 1

Date(s) Drilled <b>May 3, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>16 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>22 feet</b>
Groundwater Level and Date Measured <b>Not Encountered ATD</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>Cuttings and Asphalt Patch</b>	Location <b>SB-4 South East end of site</b>	



Z:\ASR Projects\875 4th Avenue, Brooklyn, NY\Phase II Site Investigation Report\875 4th Avenue-Boring\_Logs.bgs [Basic Boring Log.tpl]

Figure 4

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring SB-5**  
 Sheet 1 of 1

Date(s) Drilled <b>May 3, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>20 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>23 feet</b>
Groundwater Level and Date Measured <b>Not Encountered ATD</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>Cuttings and Asphalt Patch</b>	Location <b>SB-5 South End of Site</b>	

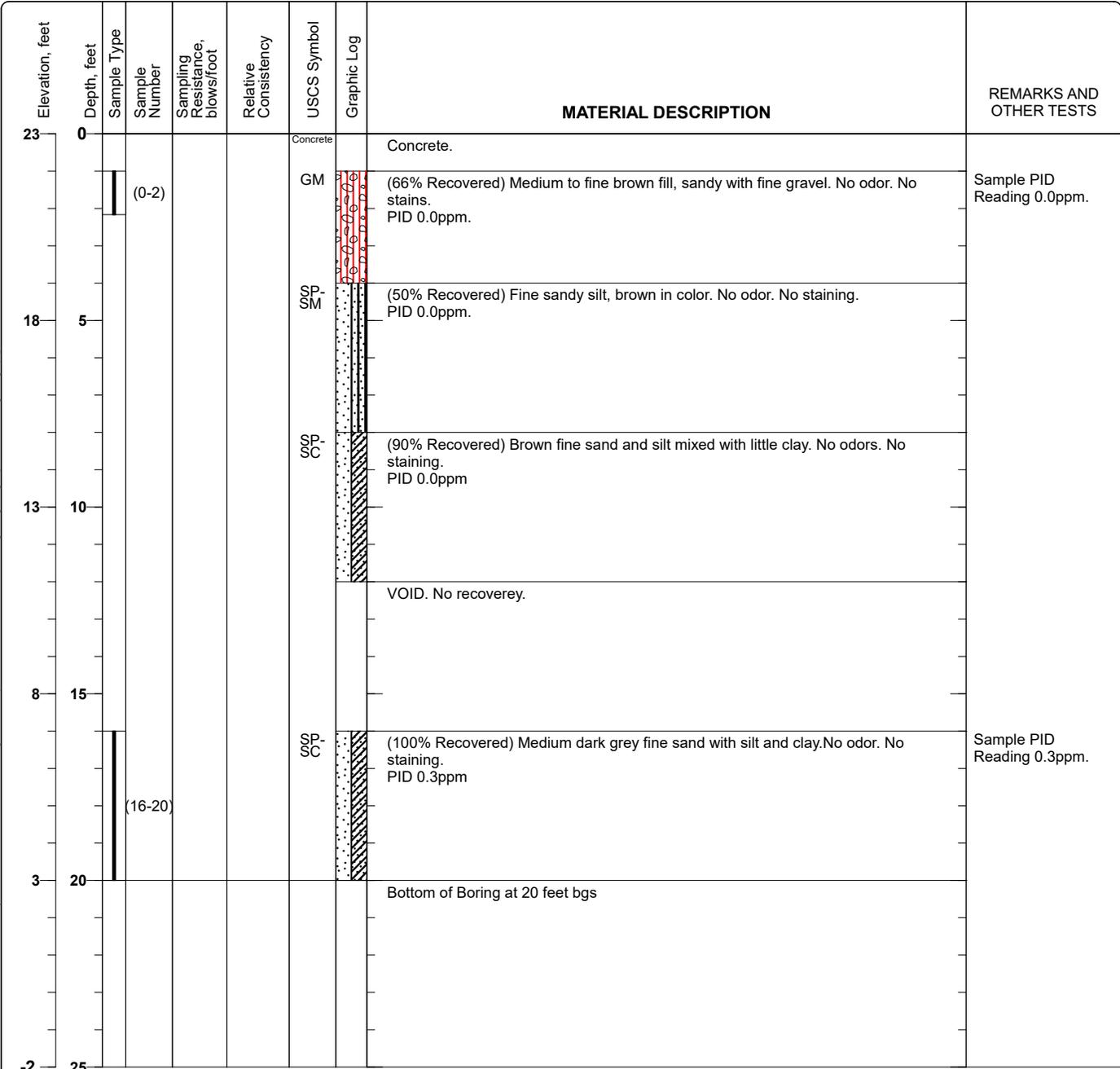
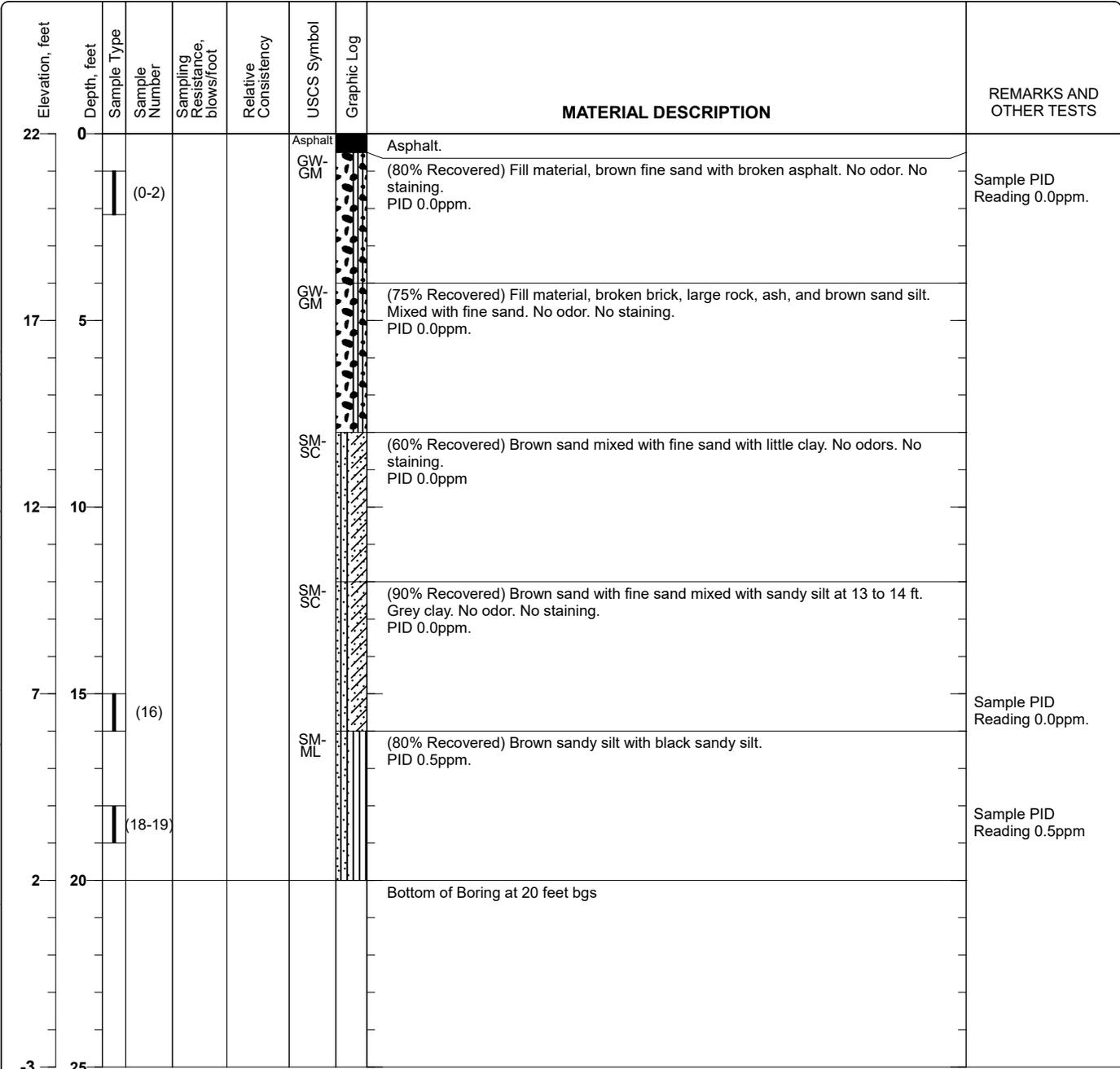


Figure 5

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring SB-6**  
 Sheet 1 of 1

Date(s) Drilled <b>May 3, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>20 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>22 feet</b>
Groundwater Level and Date Measured <b>Not Encountered ATD</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>Cuttings and Asphalt Patch</b>	Location <b>SB-6 North East end of site</b>	



Z:\ASR Projects\875 4th Avenue, Brooklyn, NY\Phase II Site Investigation Report\875 4th Avenue-Boring\_Logs.bgs [Basic Boring Log.tpl]

Figure 6

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring SB-7**  
 Sheet 1 of 1

Date(s) Drilled <b>May 5, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>16 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>25 feet</b>
Groundwater Level and Date Measured <b>Not Encountered ATD</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>Cuttings</b>	Location <b>SB-7 Most Western part of site.</b>	

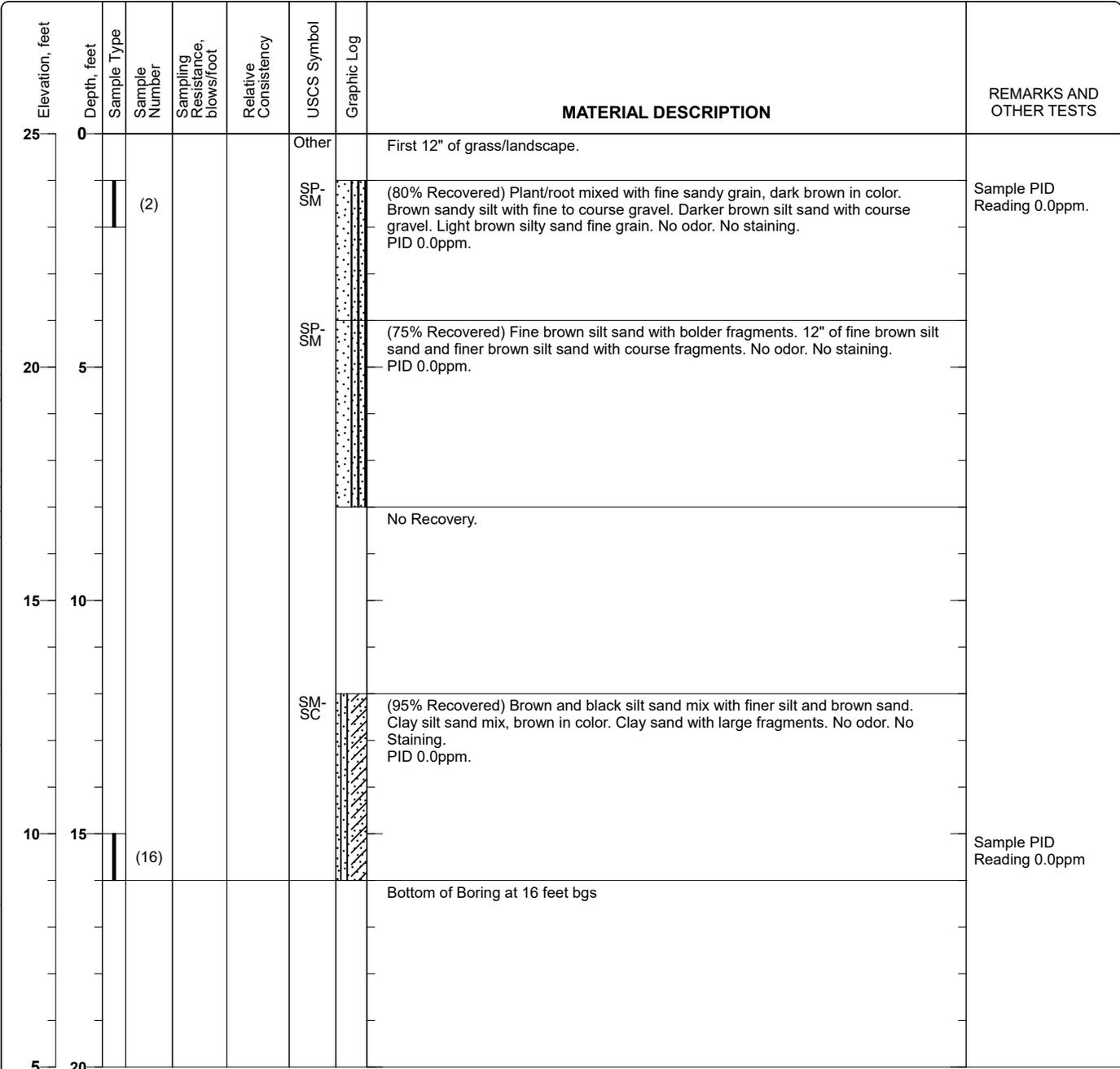


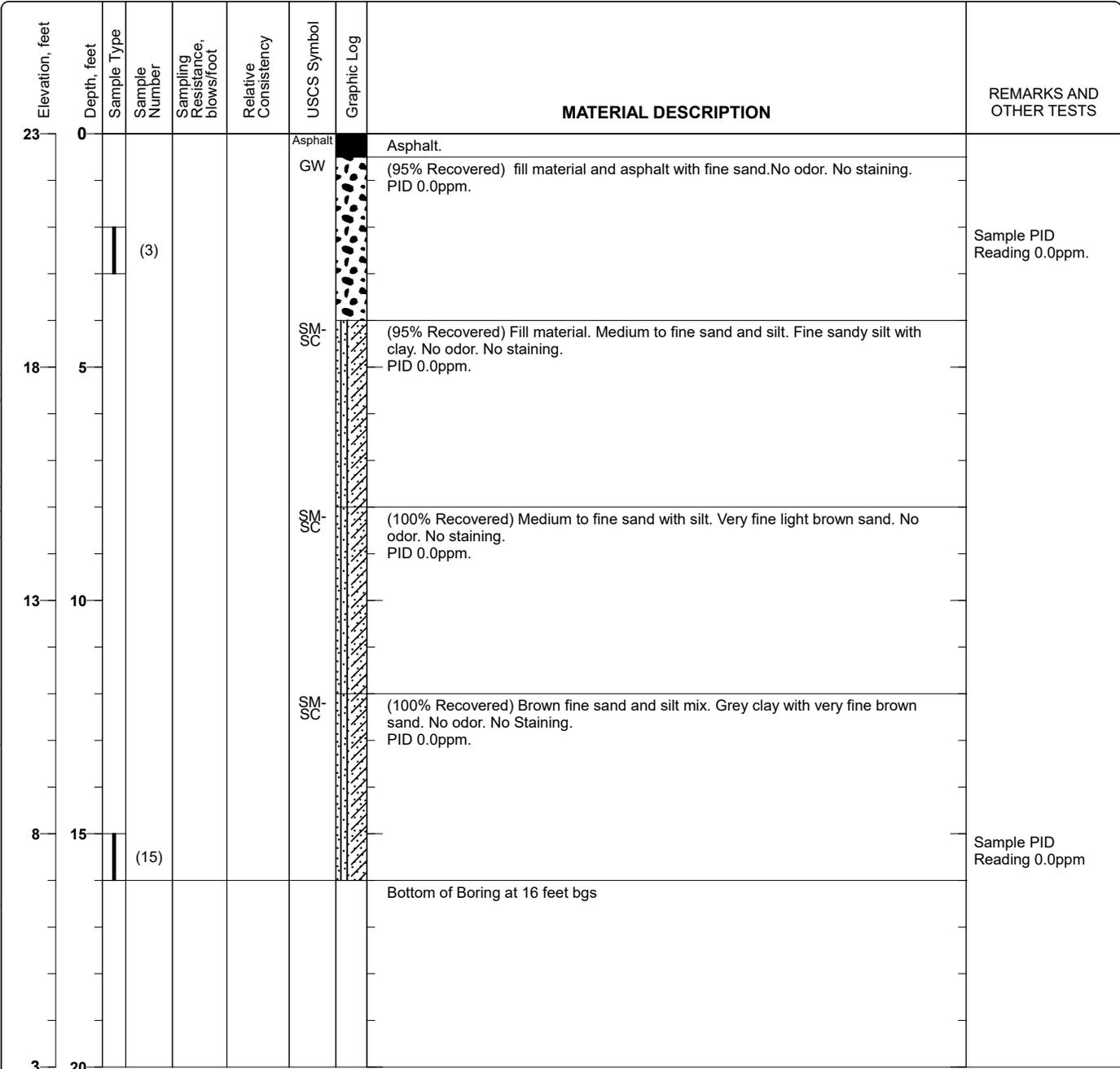
Figure 7

Z:\ASR Projects\875 4th Avenue, Brooklyn, NY\Phase II Site Investigation Report\875 4th Avenue-Boring\_Logs.bgs [Basic Boring Log.tpl]

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring SB-8**  
 Sheet 1 of 1

Date(s) Drilled <b>May 4, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>16 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>23 feet</b>
Groundwater Level and Date Measured <b>Not Encountered ATD</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>Cuttings and Asphalt Patch</b>	Location <b>SB-8 North end of site</b>	



Z:\ASR Projects\875 4th Avenue, Brooklyn, NY\Phase II Site Investigation Report\875 4th Avenue-Boring\_Logs.bgs [Basic Boring Log.tpl]

Figure 8

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring MW-8**  
 Sheet 1 of 1

Date(s) Drilled <b>May 4, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>24 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>22 feet</b>
Groundwater Level and Date Measured <b>24&amp;apos;</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>#2 Well Sand</b>	Location <b>MW-8 South east end of site</b>	

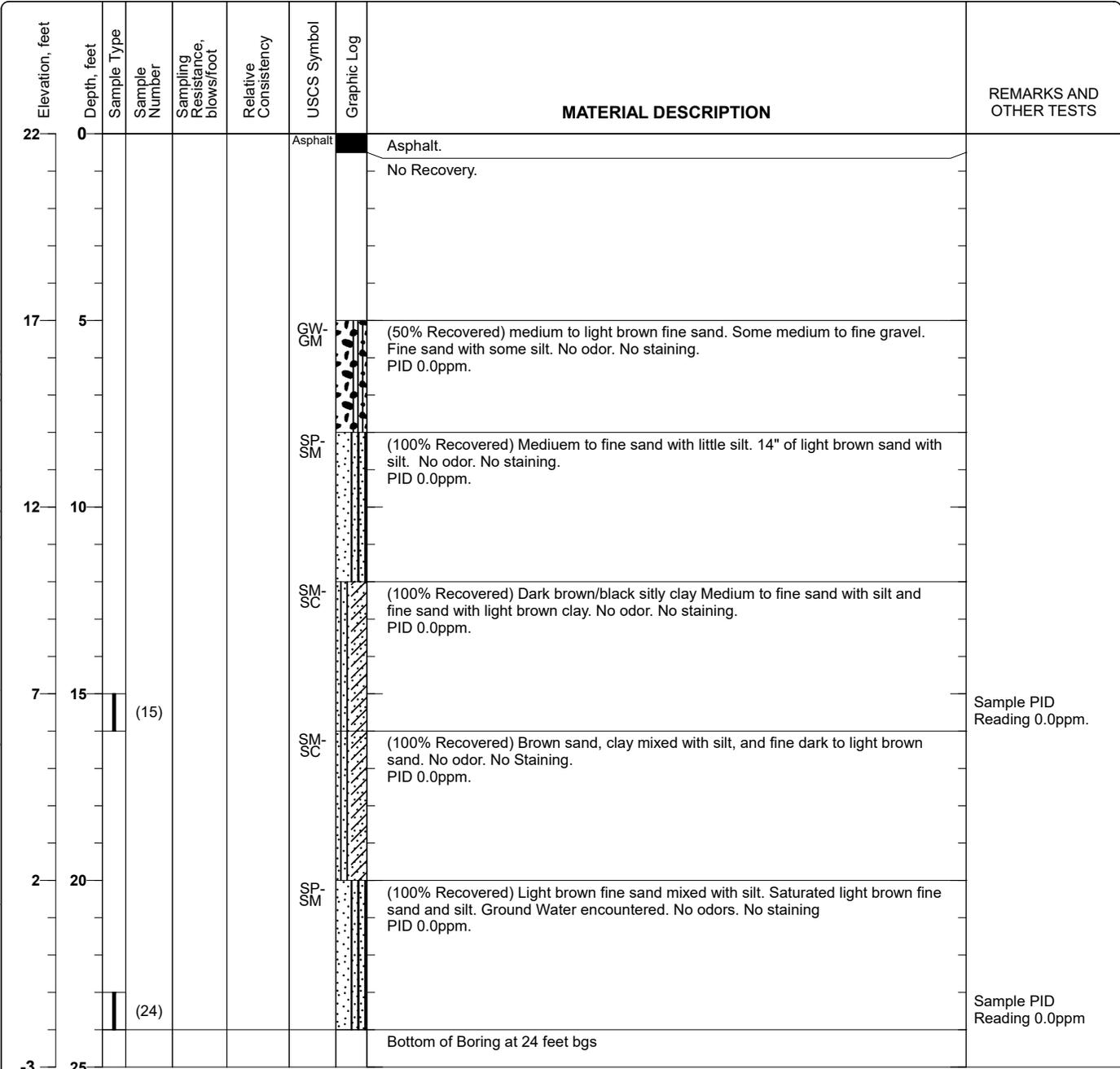


Figure 9

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring MW-9**  
 Sheet 1 of 1

Date(s) Drilled <b>May 4, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>28 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>23 feet</b>
Groundwater Level and Date Measured <b>28'</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>#2 Well Sand</b>	Location <b>MW-9 South end of site</b>	

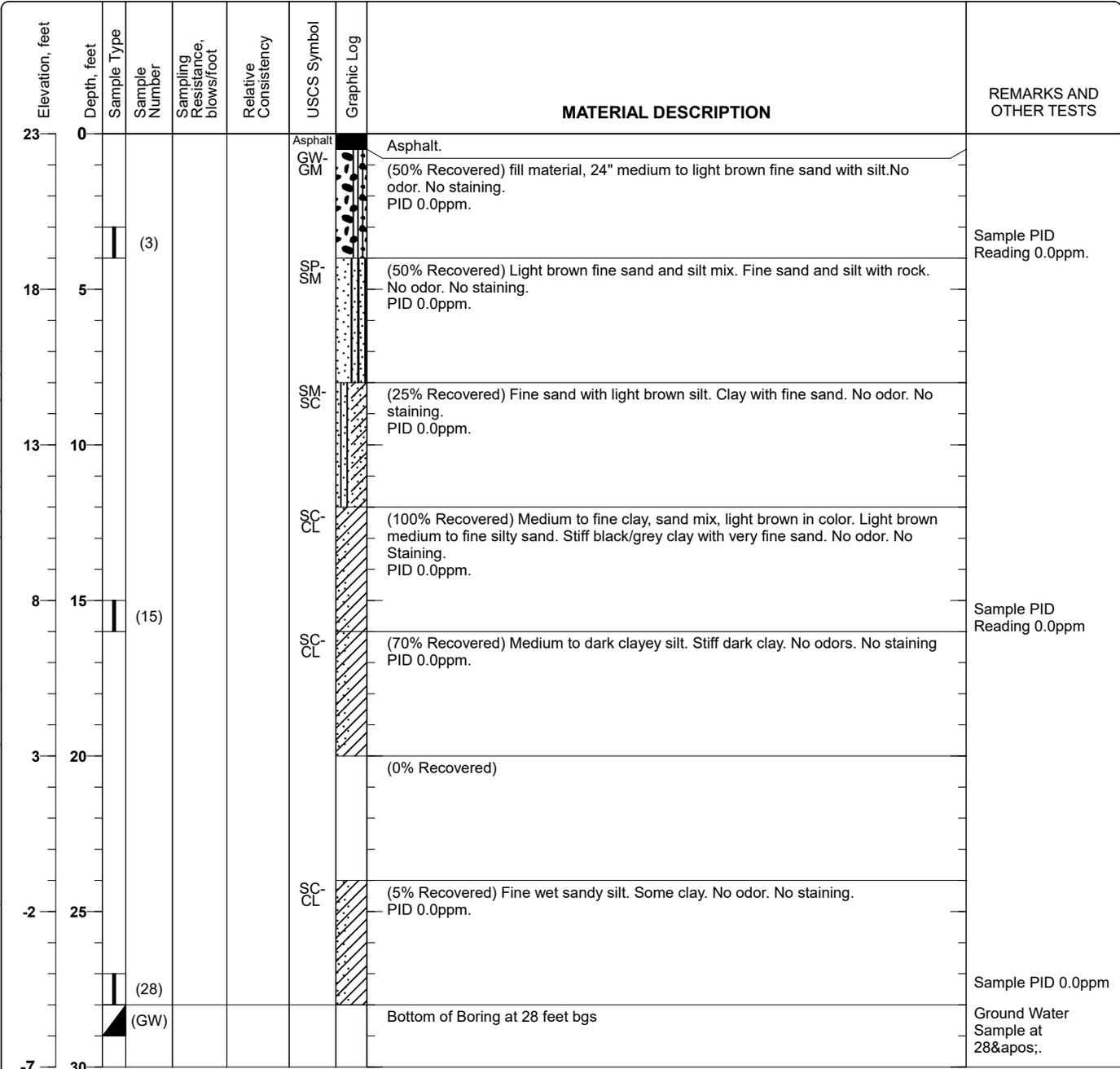


Figure 10

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring MW-10**  
 Sheet 1 of 1

Date(s) Drilled <b>May 3, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>28 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>23 feet</b>
Groundwater Level and Date Measured <b>28&amp;apos;</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>#2 Well Sand</b>	Location <b>MW-10 West side of site</b>	

Elevation, feet	Depth, feet	Sample Type	Sample Number	Sampling Resistance, blows/foot	Relative Consistency	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	REMARKS AND OTHER TESTS
23	0					Asphalt		Asphalt.	
			(2)			SP-SM		(90% Recovered) Brown sandy fine grain. Black/grey asphalt with concrete and sand fill. Brown fine sandy silt and dark brown sand fine grade gravel mix. No odor. No staining. PID 0.0ppm.	Sample PID Reading 0.0ppm.
18	5					SP-SM		(85% Recovered) Sandy fine grain gravel mix with brown medium grain sand and gravel. Brown fine grain sand with medium gravel fragments. No odor. No staining. PID 0.0ppm.	
13	10		(10.5)			SP-SM		(80% Recovered) Fine gravel and sand mix. Tan brown fine sand with sandy silt. Oder WAS detected. No staining. PID 0.6ppm (Top) PID 0.5ppm (Bottom) PID 31.5 (Sample Source)	Sample PID Reading 31.5ppm.
8	15					SM-SC		(70% Recovered) Sandy silt with grey/brown clay. No odor. No staining. PID 0.0ppm.	
3	20					SM-SC		(70% Recovered) Grey clay with sandy silt clay, grey tan color. No odor. No Staining. PID 0.0ppm.	
-2	25		(24)			SM-SC		(70% Recovered) Clay brown and grey in color. Sandy silt fine grain light saturation. Medium grain sand with shell fragments. No odors. No staining PID 0.0ppm.	Sample PID Reading 0.0ppm
-7	30		(GW)					Bottom of Boring at 28 feet bgs	Ground Water Collected at 28&apos;

Figure 11

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring MW-11**  
 Sheet 1 of 1

Date(s) Drilled <b>May 3, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>28 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>23 feet</b>
Groundwater Level and Date Measured <b>25&amp;apos;</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>#2 Well Sand</b>	Location <b>MW-11 Northern end of the site</b>	

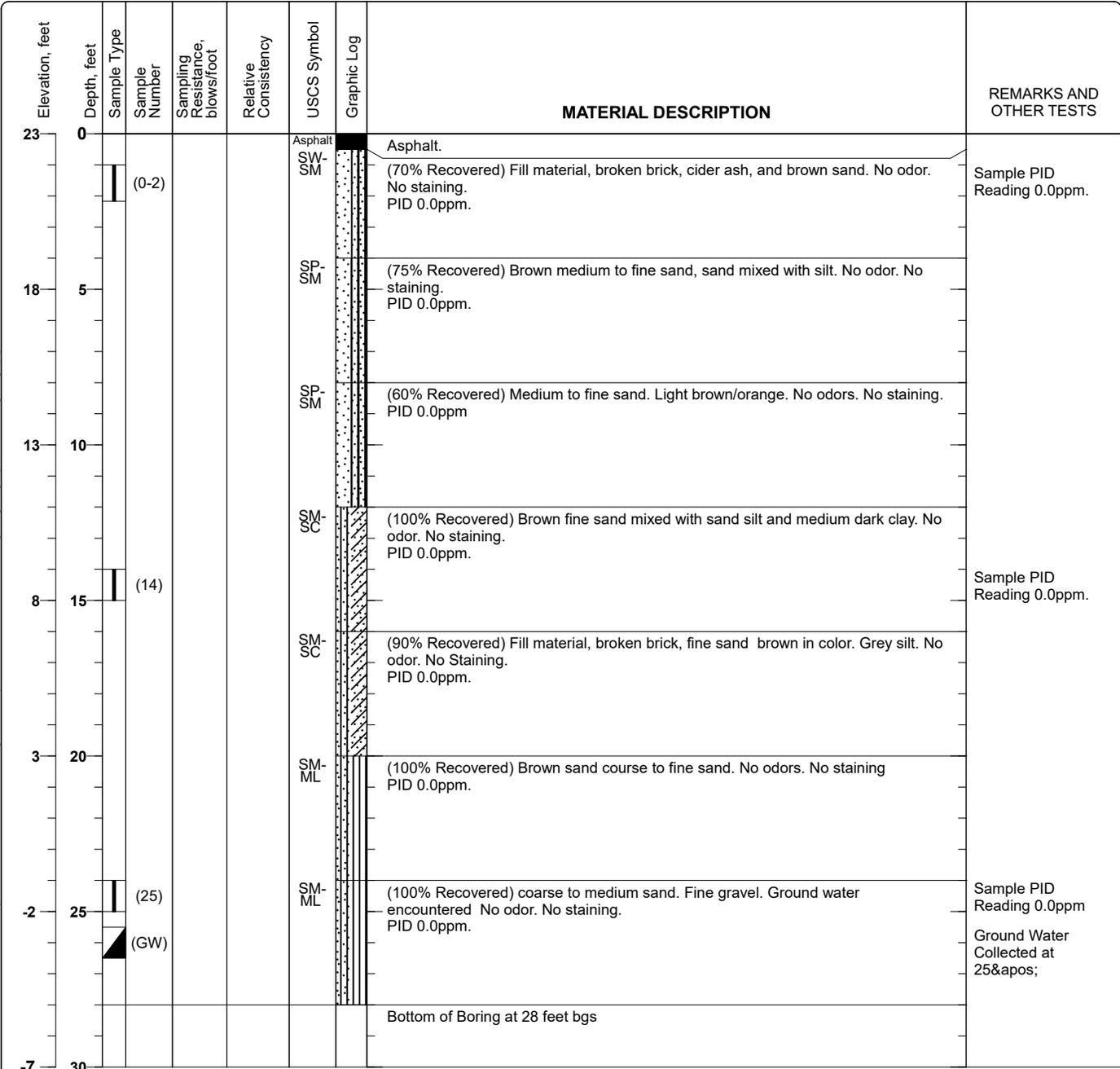


Figure 12

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring VP-1**  
 Sheet 1 of 1

Date(s) Drilled <b>May 5, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>20 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>21 feet</b>
Groundwater Level and Date Measured <b>Not Encountered ATD</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>Well Sand</b>	Location <b>VP-1 Eastern corner of site.</b>	

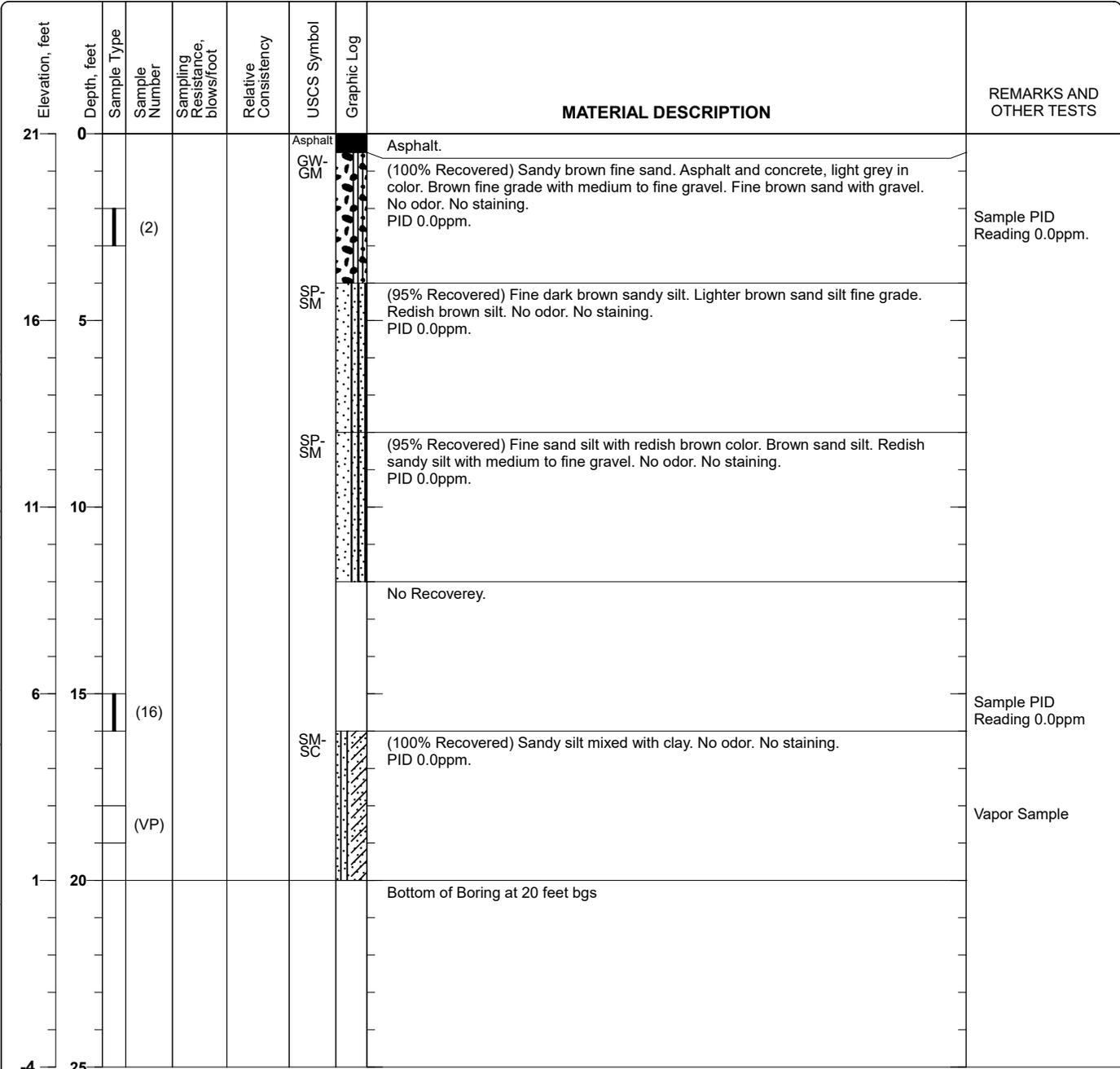


Figure 13

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring VP-2**  
 Sheet 1 of 1

Date(s) Drilled <b>May 5, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>20 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>23 feet</b>
Groundwater Level and Date Measured <b>Not Encountered ATD</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>Well Sand</b>	Location <b>VP-2 North of site by sign.</b>	

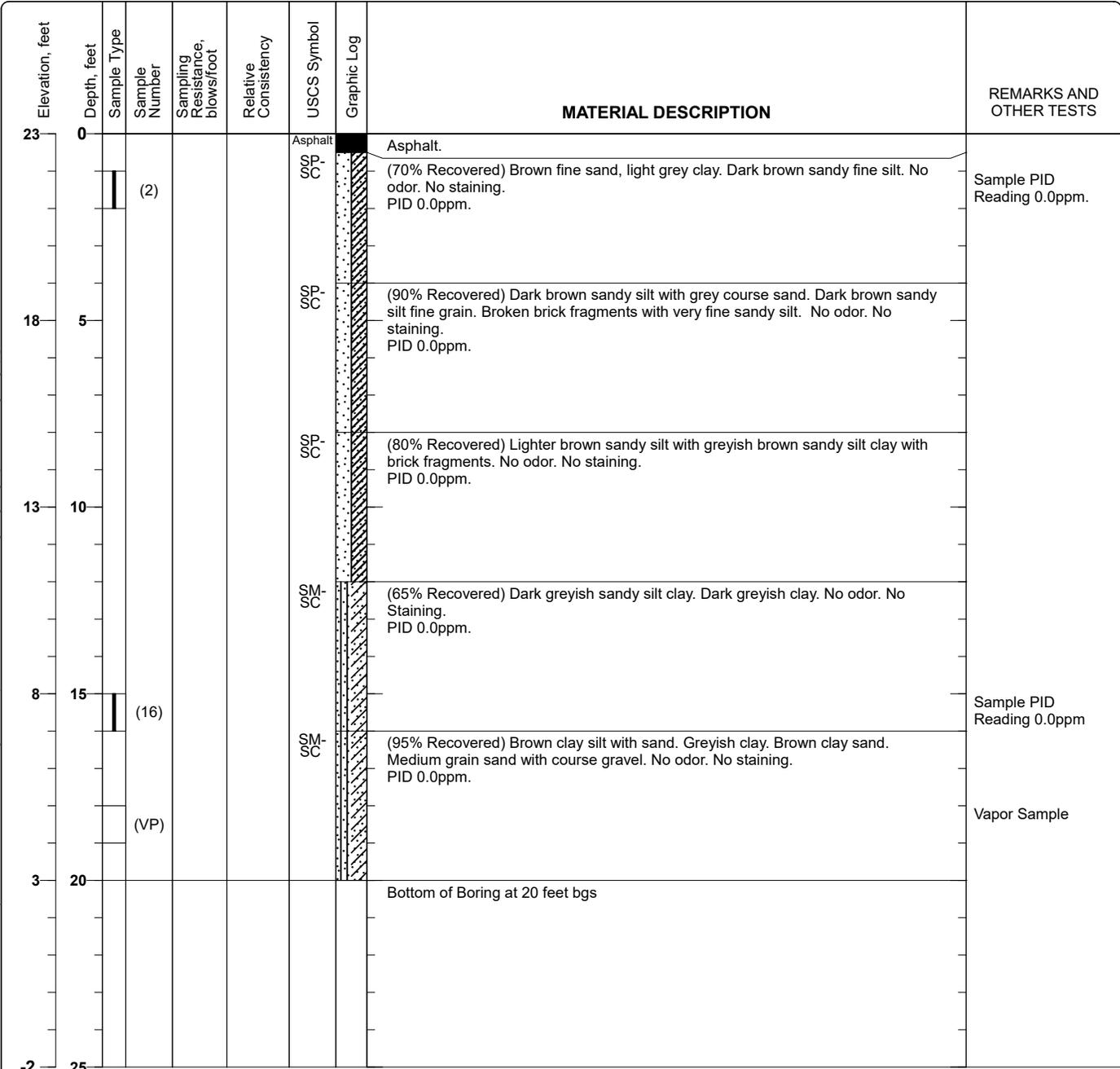


Figure 14

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring VP-3**  
 Sheet 1 of 1

Date(s) Drilled <b>May 5, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>20 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>23 feet</b>
Groundwater Level and Date Measured <b>Not Encountered ATD</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>Well Sand</b>	Location <b>VP-3 South West section of site.</b>	

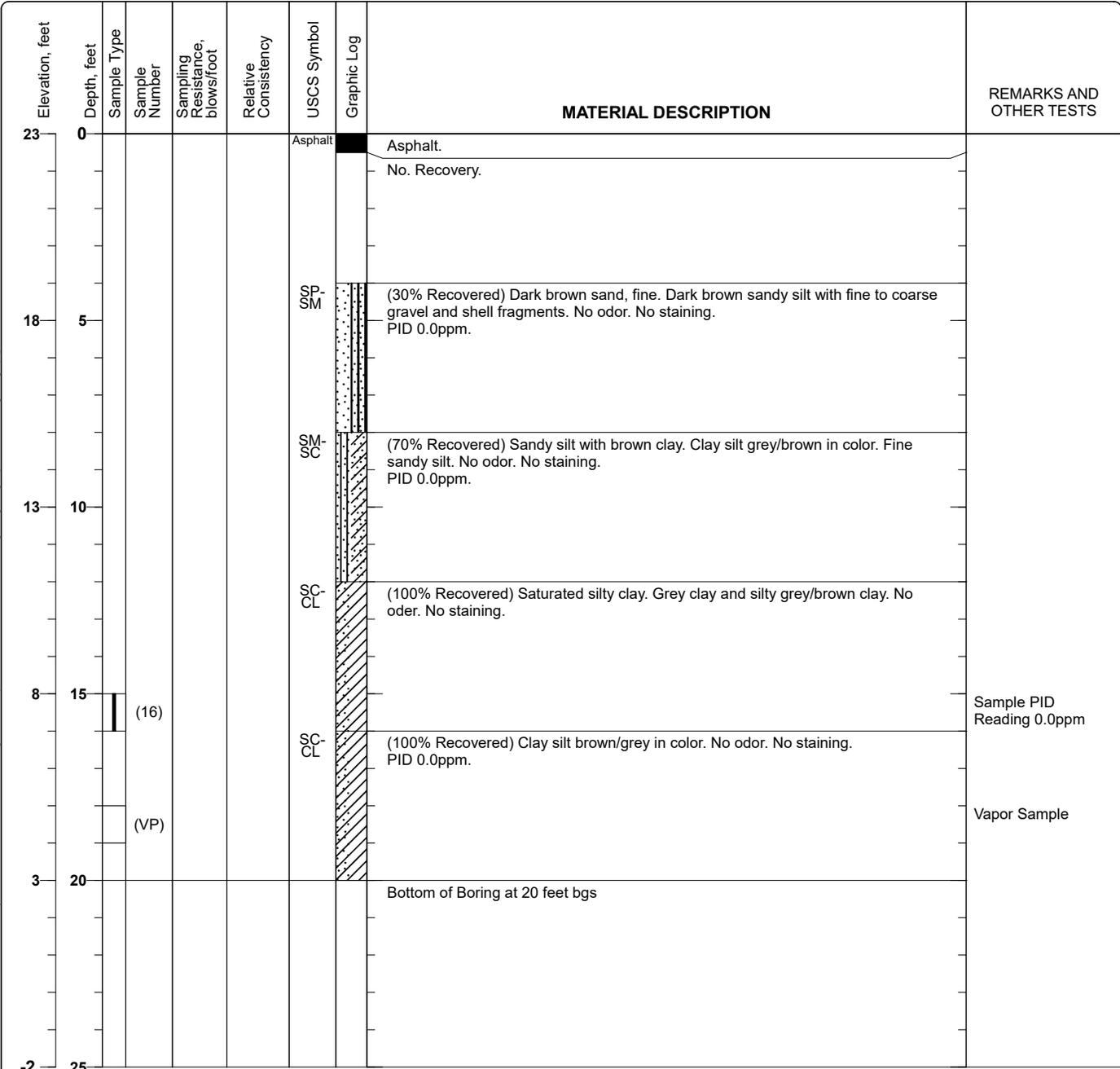
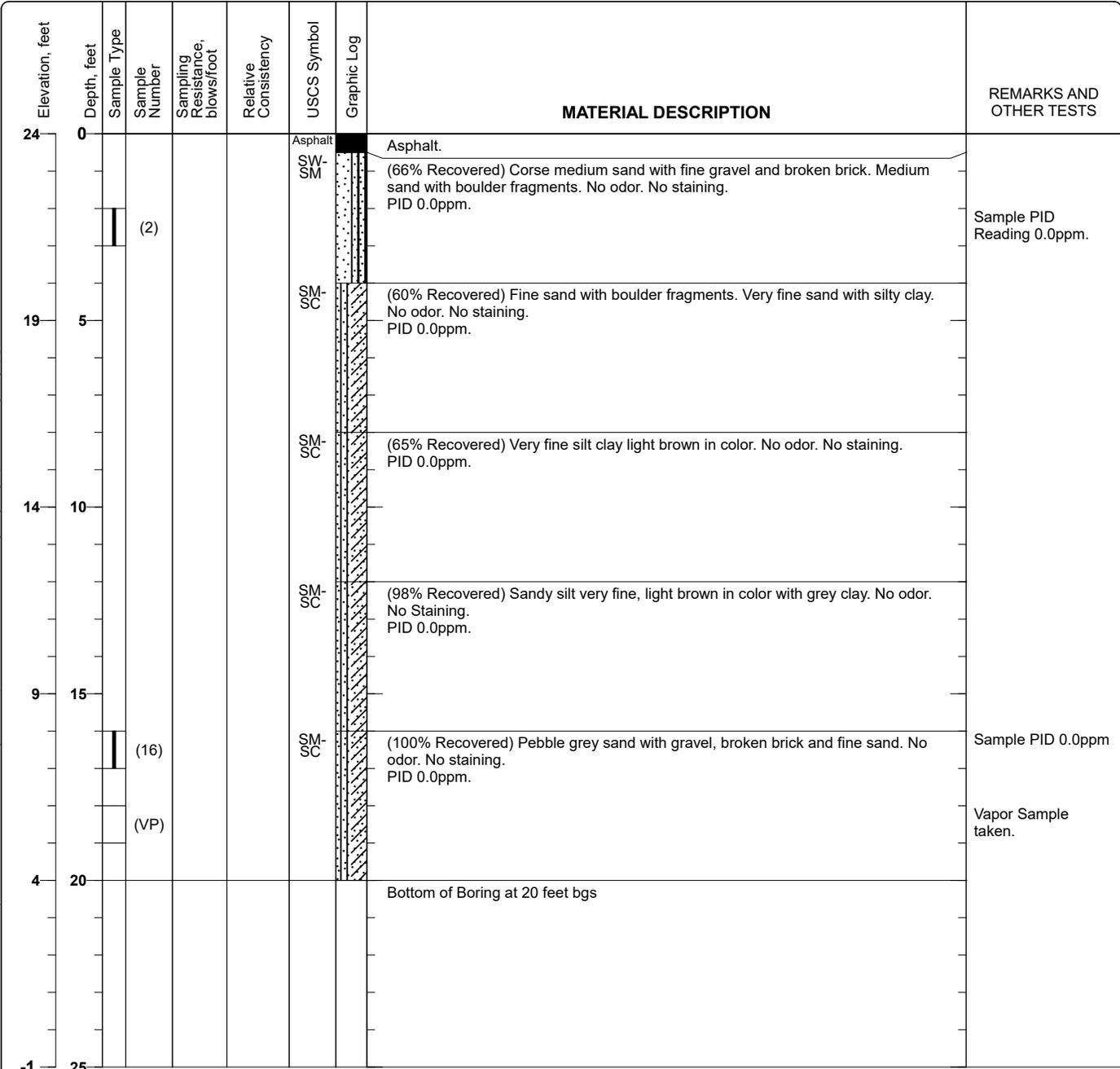


Figure 15

**Project: 875 4th Avenue**  
**Project Location: 875 4th Avenue Brooklyn, New York**  
**Project Number: OER Project # 16EH-A242K**

**Log of Boring VP-4**  
 Sheet 1 of 1

Date(s) Drilled <b>May 5, 2016</b>	Logged By <b>Richard Levato</b>	Checked By <b>Richard Levato</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>2 inch Direct Push</b>	Total Depth of Borehole <b>20 feet bgs</b>
Drill Rig Type <b>Geoprobe 5410 DT</b>	Drilling Contractor <b>JC Broderick</b>	Approximate Surface Elevation <b>24 feet</b>
Groundwater Level and Date Measured <b>Not Encountered ATD</b>	Sampling Method(s) <b>Mirco core</b>	Hammer Data
Borehole Backfill <b>Well Sand</b>	Location <b>VP-4 Western part of site in front of store entrance.</b>	



Z:\ASR Projects\875 4th Avenue, Brooklyn, NY\Phase II Site Investigation Report\875 4th Avenue-Boring\_Logs.bgs [Basic Boring Log.tpl]

Figure 16