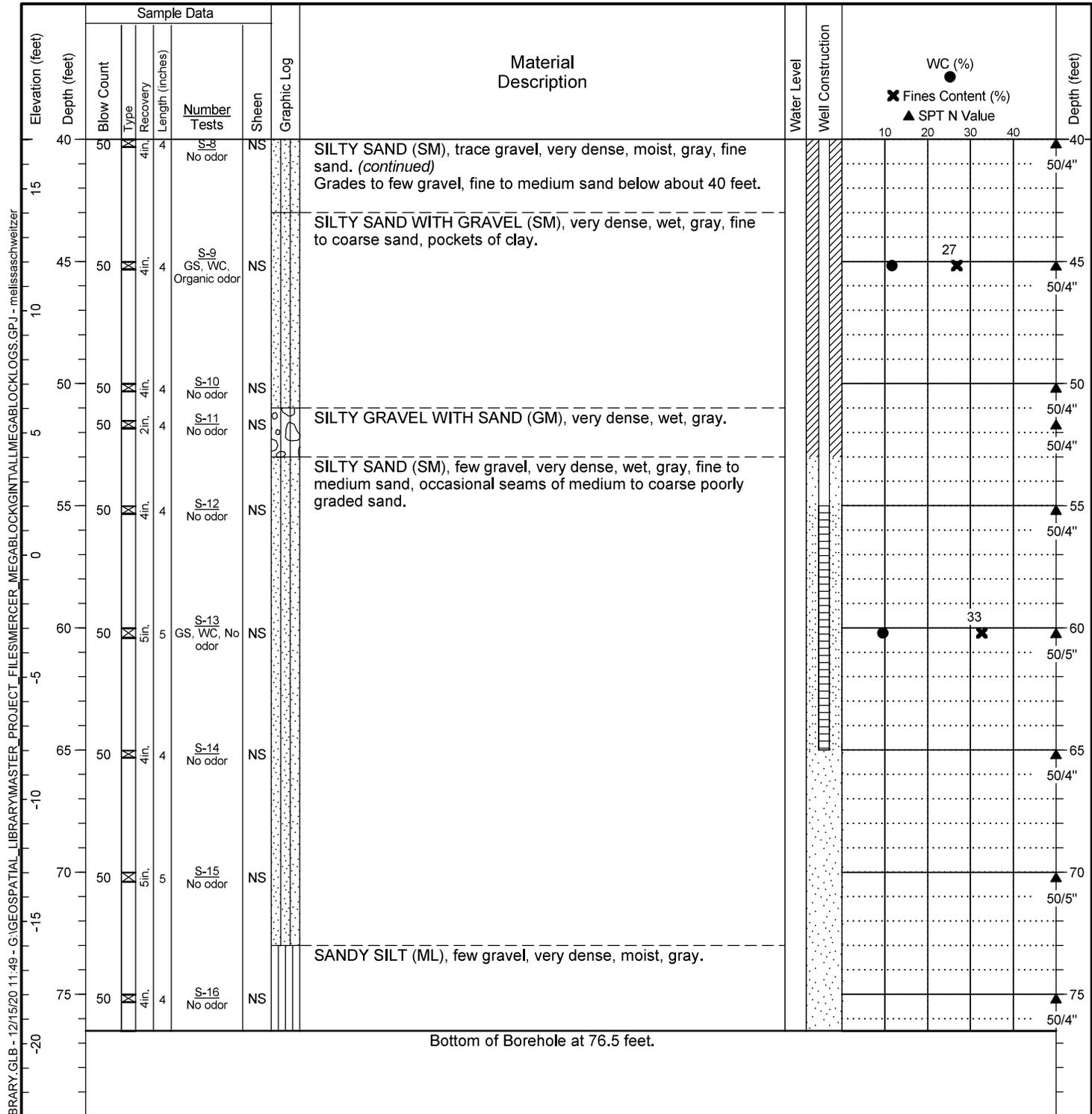


**APPENDIX C**

**BORING AND WELL LOGS**

**PART 5  
OTHER LOGS**

Date Started: 7/14/20 Date Completed: 7/14/20 Drilling Contractor/Crew: Holt Services, Inc. / J. Bennett  
 Logged by: A. Finigan Checked by: J. Sved Drilling Method: Mud Rotary/Hollow Stem Auger  
 Location: Lat: 47.625263 Long: -122.342093 (WGS 84) Rig Model/Type: CME-85 / Truck-mounted drill rig  
 Ground Surface Elevation: 57.02 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP315 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 6 inches Casing Diameter: \_\_\_\_\_  
 Total Depth: 76.5 feet Depth to Groundwater: 30 feet



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.



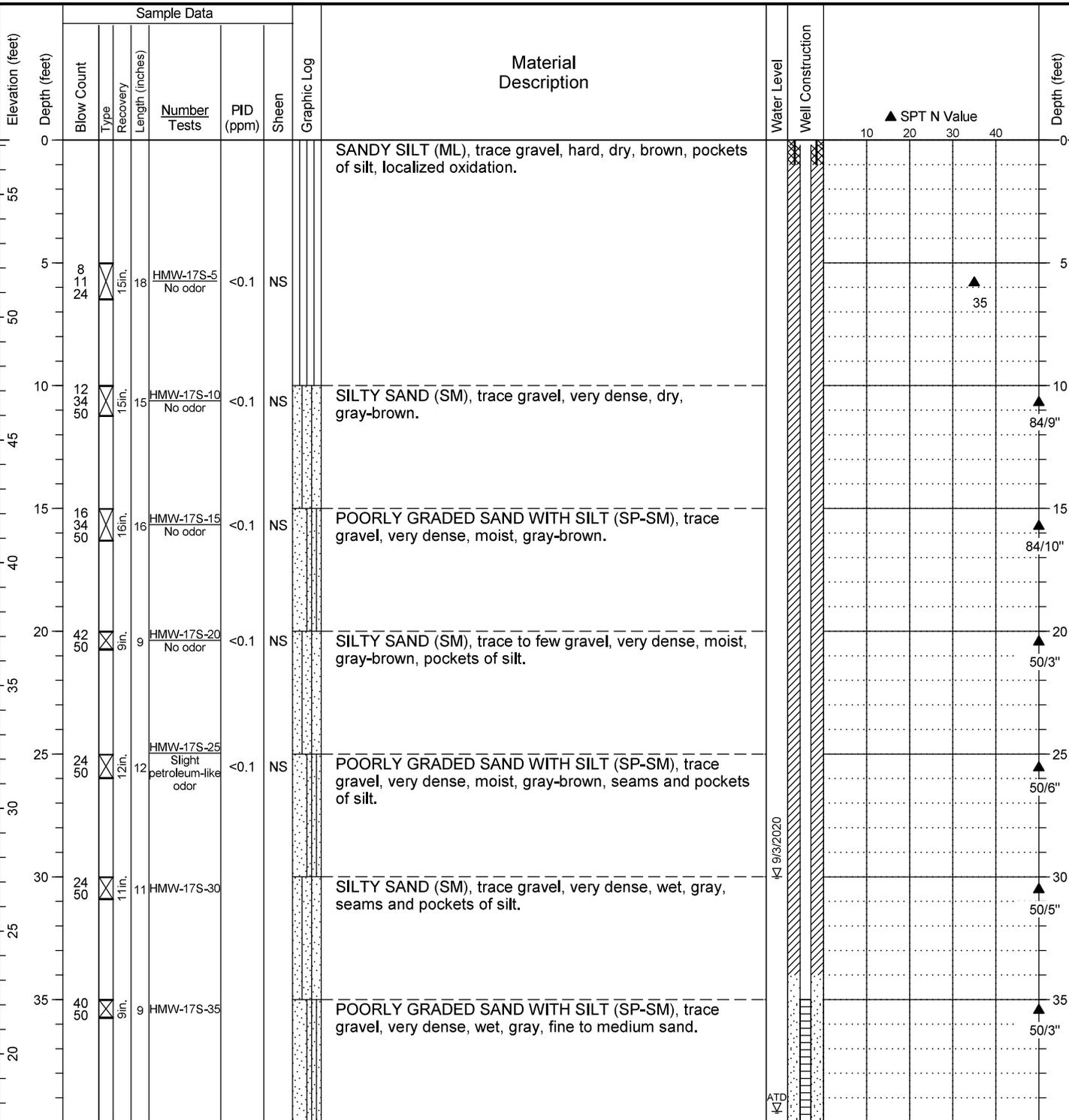
Project: Seattle DOT Mercer Parcels Site  
 Location: Seattle, Washington  
 Project No.: 19409-04

Boring Log  
 HMW-161B

Figure A1-80  
 Sheet 2 of 2

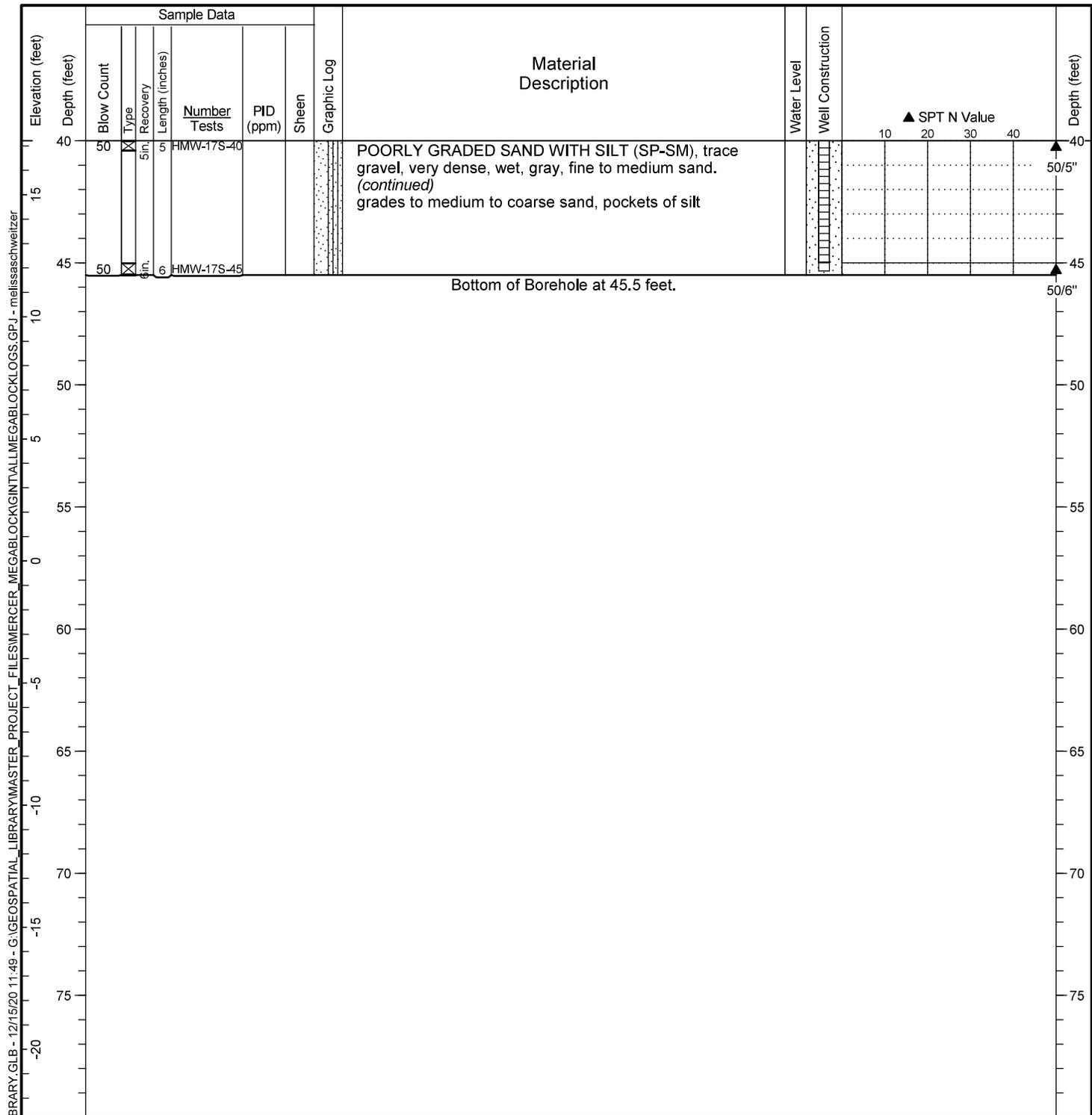
HC BORING LOG - F:\GINT\HC\_LIBRARY\GLB - 12/15/20 11:49 - G:\GEO\SPATIAL\_LIBRARY\MASTER\_PROJECT\_FILES\MERCER\_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Date Started: 9/3/20 Date Completed: 9/3/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625233 Long: -122.342093 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 57.21 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP351 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: OD: 2 inches  
 Total Depth: 45.5 feet Depth to Groundwater: 39.55 feet



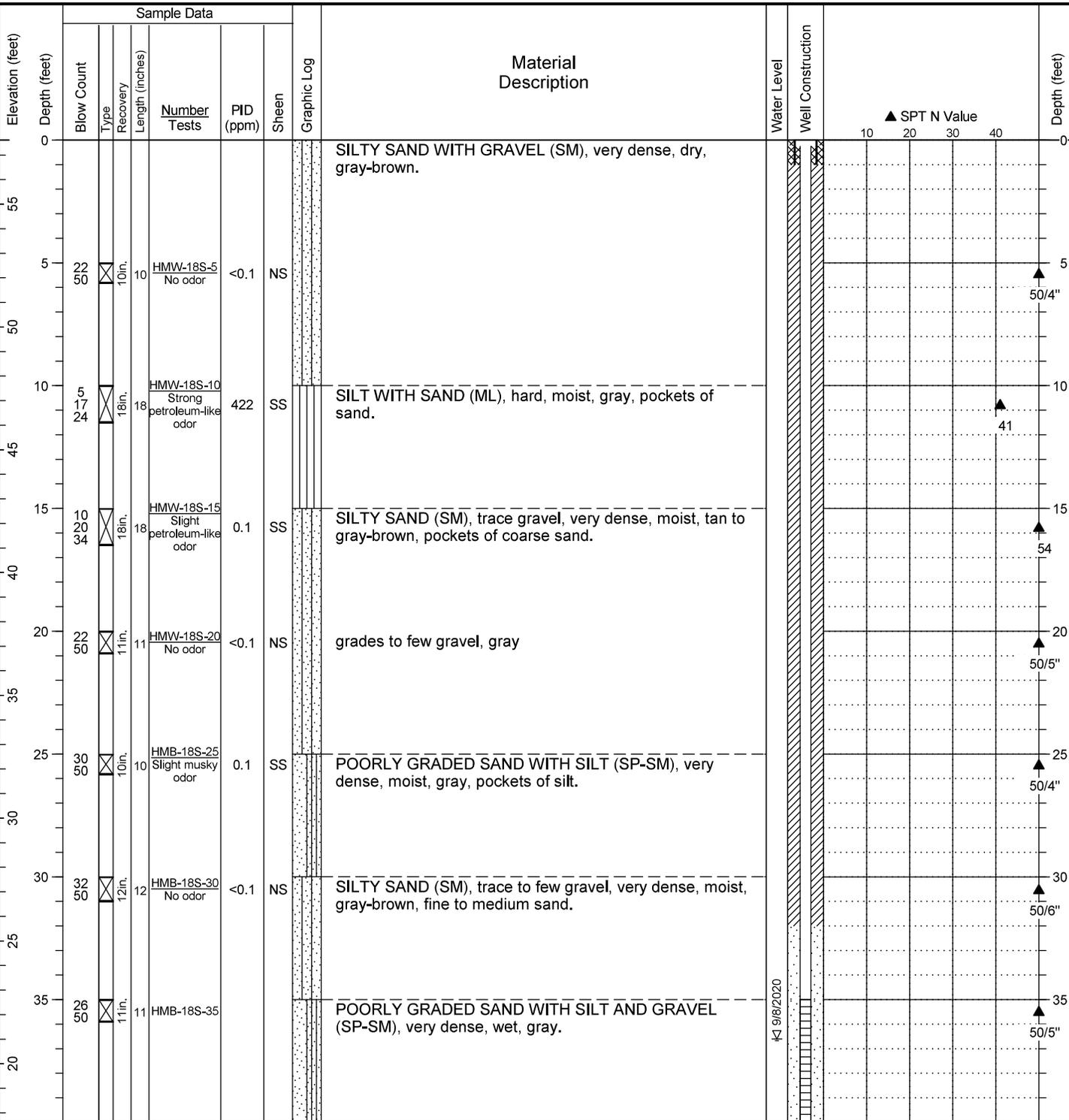
General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 9/3/20 Date Completed: 9/3/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625233 Long: -122.342093 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 57.21 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP351 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: OD: 2 inches  
 Total Depth: 45.5 feet Depth to Groundwater: 39.55 feet



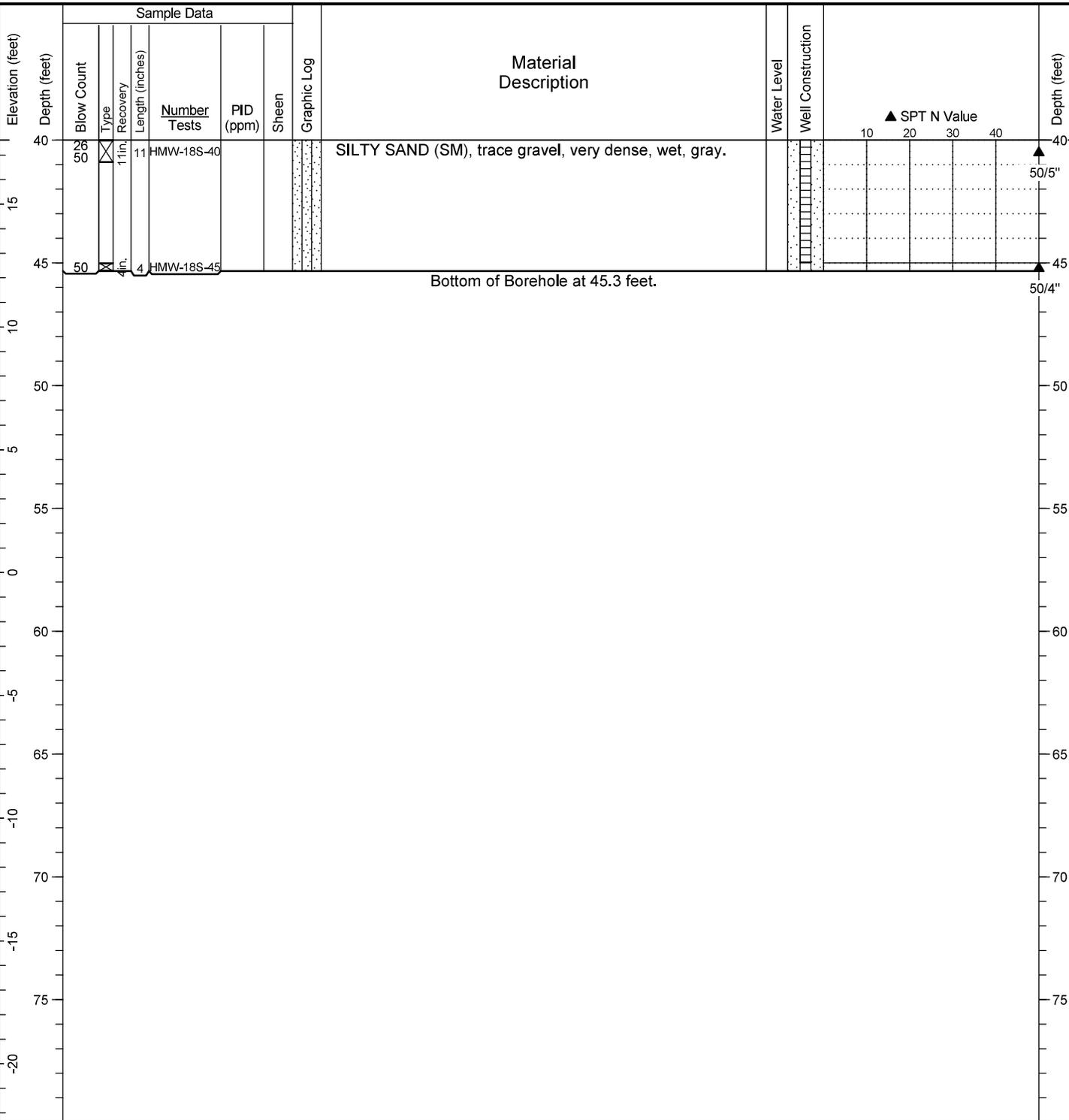
General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 9/3/20 Date Completed: 9/3/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625133 Long: -122.342088 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 57.61 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP352 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: OD: 2 inches  
 Total Depth: 45.33 feet Depth to Groundwater: 36.6 feet



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

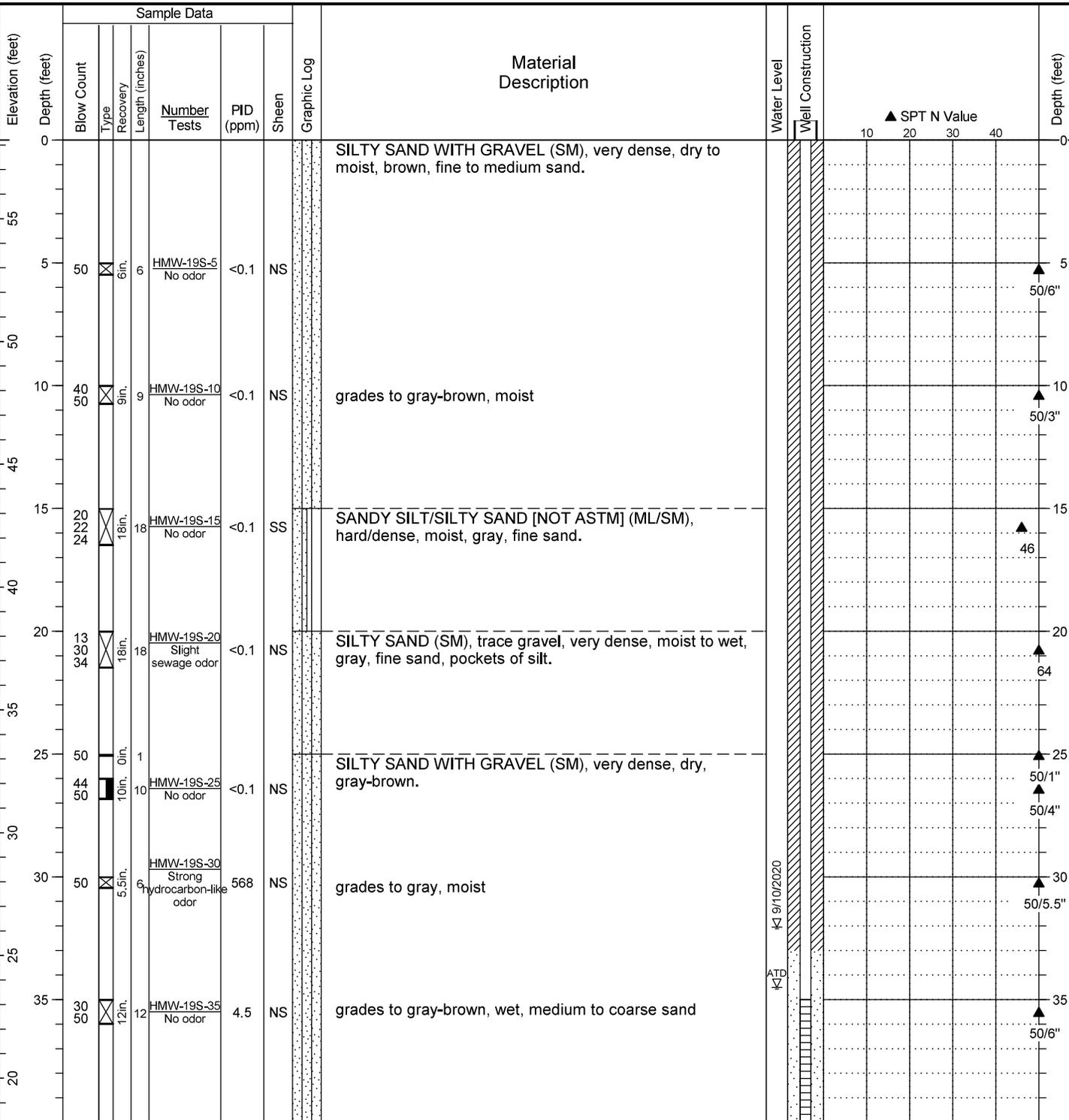
Date Started: 9/3/20 Date Completed: 9/3/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: \_\_\_\_\_ Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625133 Long: -122.342088 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 57.61 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP352 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: OD: 2 inches  
 Total Depth: 45.33 feet Depth to Groundwater: 36.6 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

Date Started: 9/8/20 Date Completed: 9/8/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625041 Long: -122.342097 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 58.2 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP353 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: OD: 2 inches  
 Total Depth: 46.4 feet Depth to Groundwater: 34.5 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



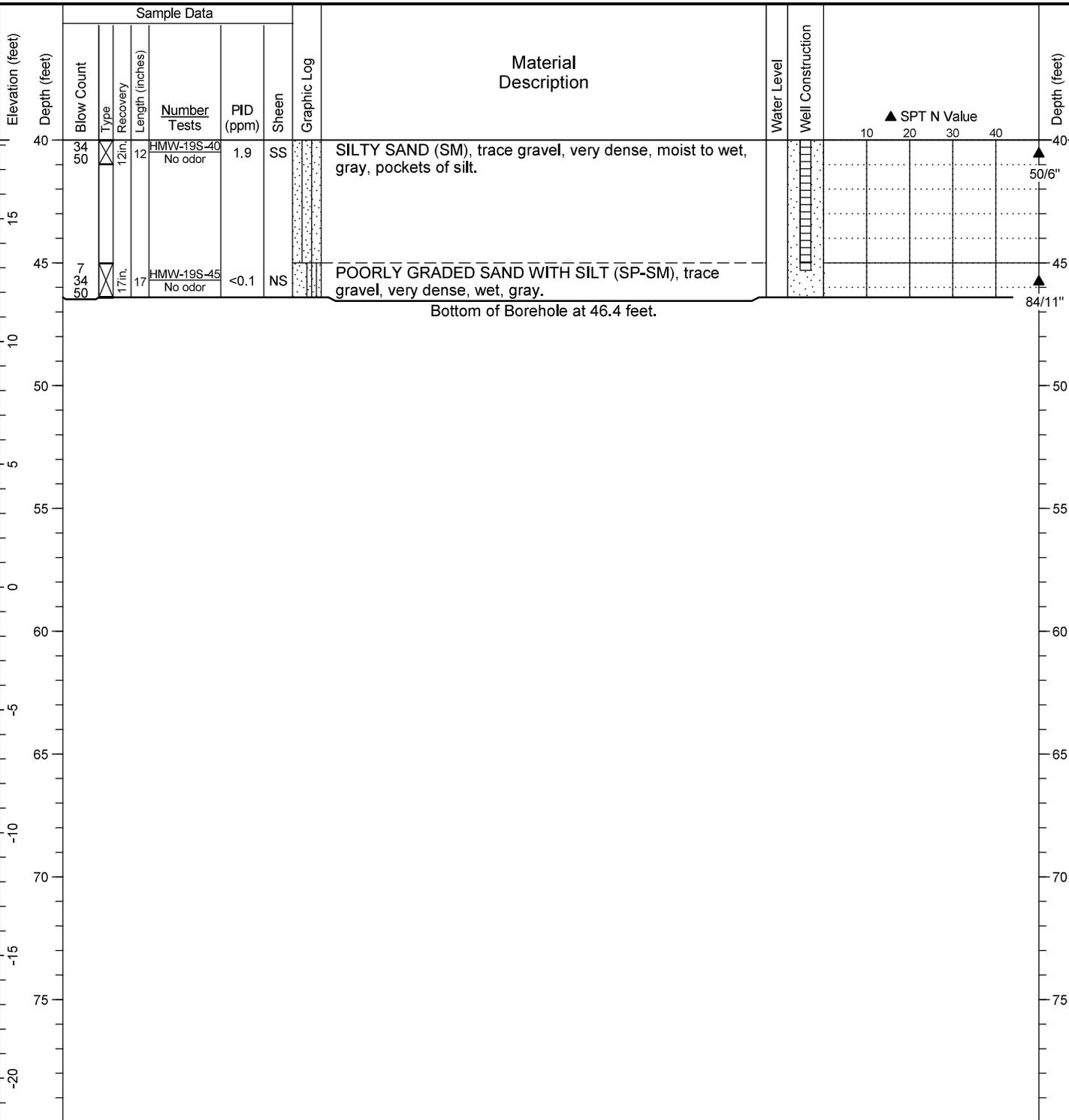
Project: Seattle DOT Mercer Parcels Site  
 Location: Seattle, Washington  
 Project No.: 19409-04

Boring and Monitoring Well  
 Log  
**HMW-19S**

Figure **A1-83**  
 Sheet 1 of 2

HC BORING LOG - F:\GINT\HC\_LIBRARY\GLB - 12/15/20 11:49 - G:\GEO.SPATIAL\_LIBRARY\MASTER\_PROJECT\_FILES\MERCER\_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Date Started: 9/8/20 Date Completed: 9/8/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: \_\_\_\_\_ Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625041 Long: -122.342097 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 58.2 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP353 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: OD: 2 inches  
 Total Depth: 46.4 feet Depth to Groundwater: 34.5 feet



**General Notes:**

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

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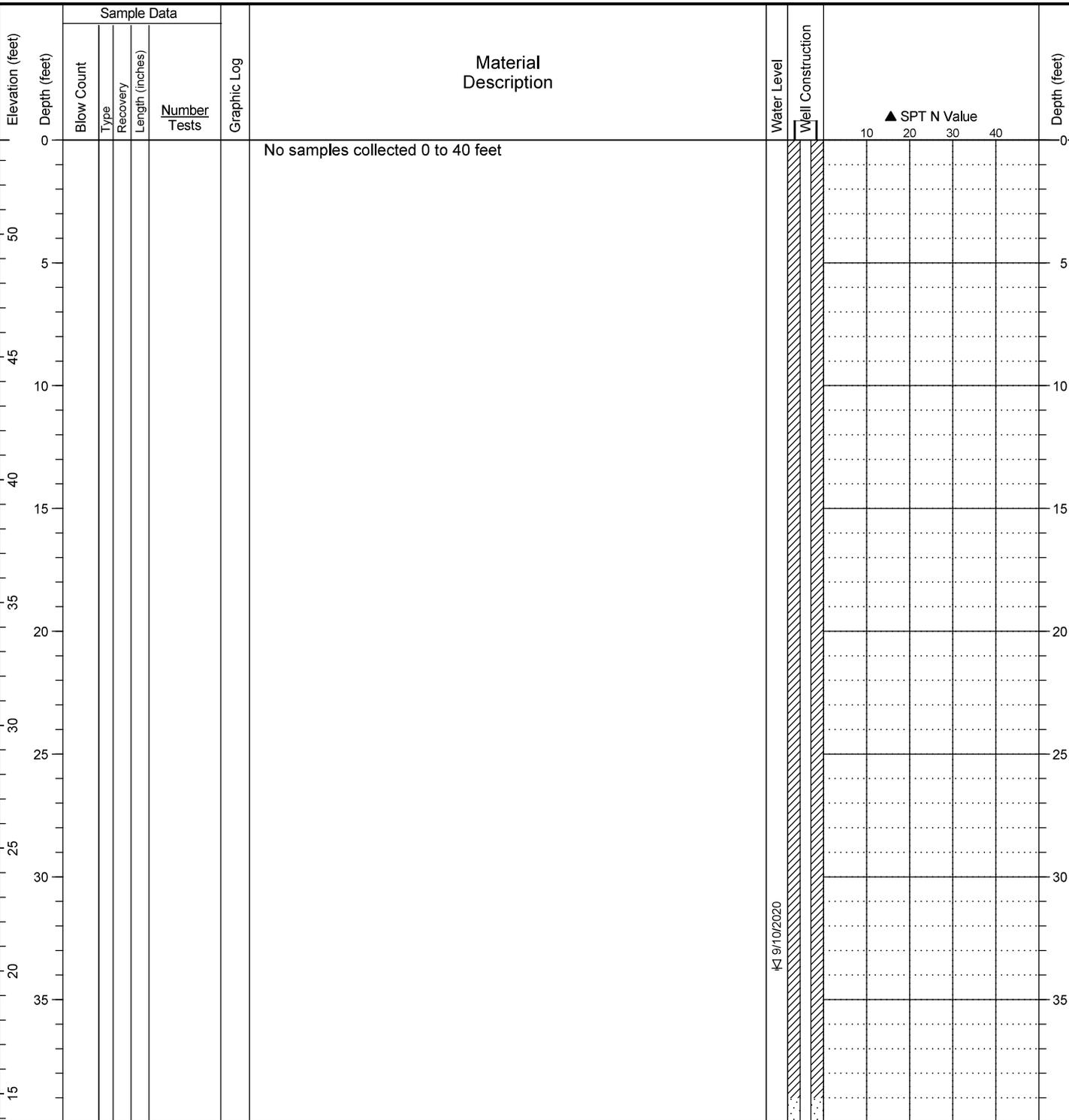


Project: Seattle DOT Mercer Parcels Site  
 Location: Seattle, Washington  
 Project No.: 19409-04

Boring and Monitoring Well  
 Log  
**HMW-19S**

Figure **A1-83**  
 Sheet **2 of 2**

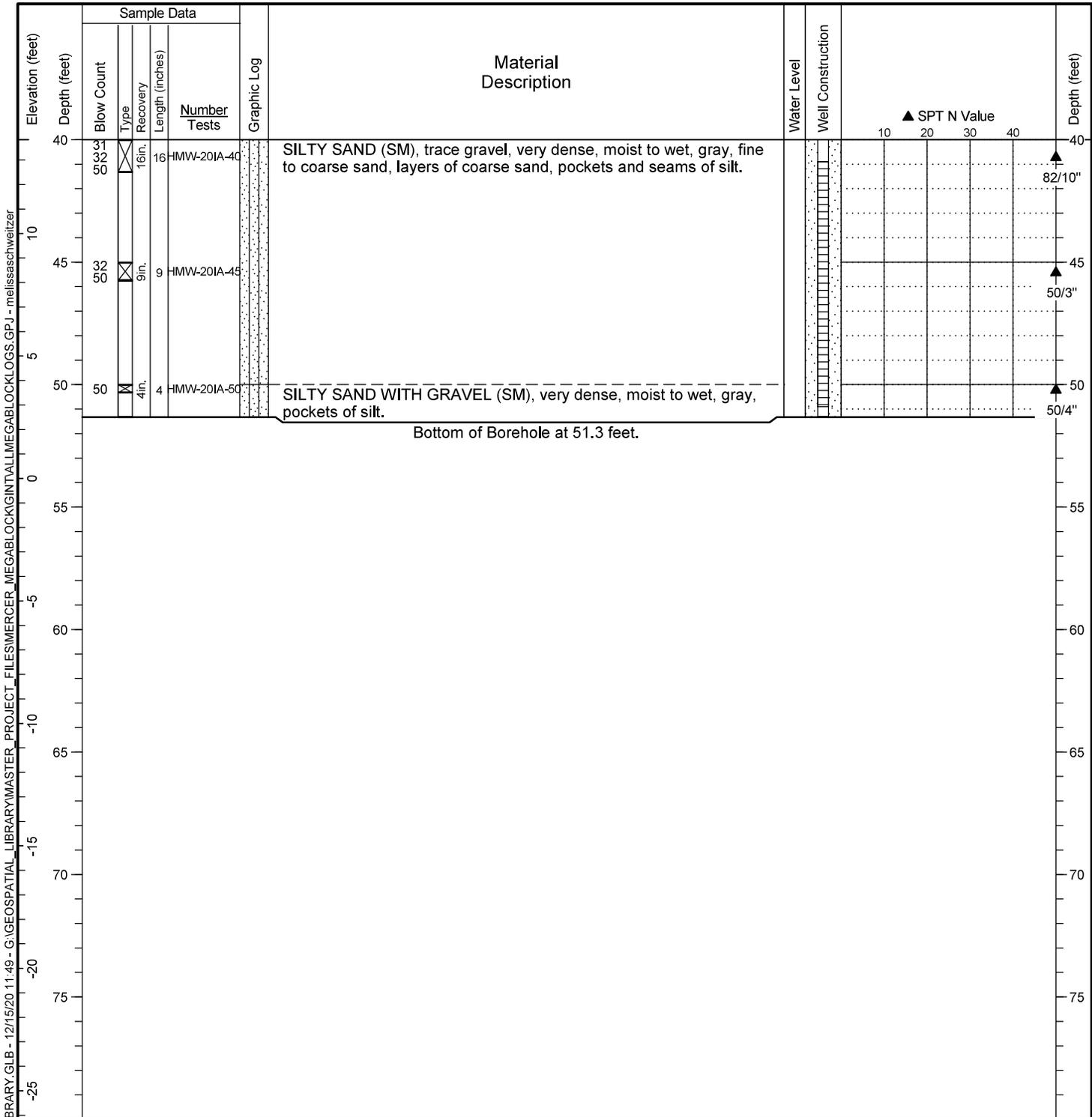
Date Started: 9/9/20 Date Completed: 9/9/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: \_\_\_\_\_ Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625024 Long: -122.341560 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 53.83 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP356 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: OD: 2 inches  
 Total Depth: 51.33 feet Depth to Groundwater: 33.72 feet



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

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Date Started: 9/9/20 Date Completed: 9/9/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625024 Long: -122.341560 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 53.83 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP356 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: OD: 2 inches  
 Total Depth: 51.33 feet Depth to Groundwater: 33.72 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

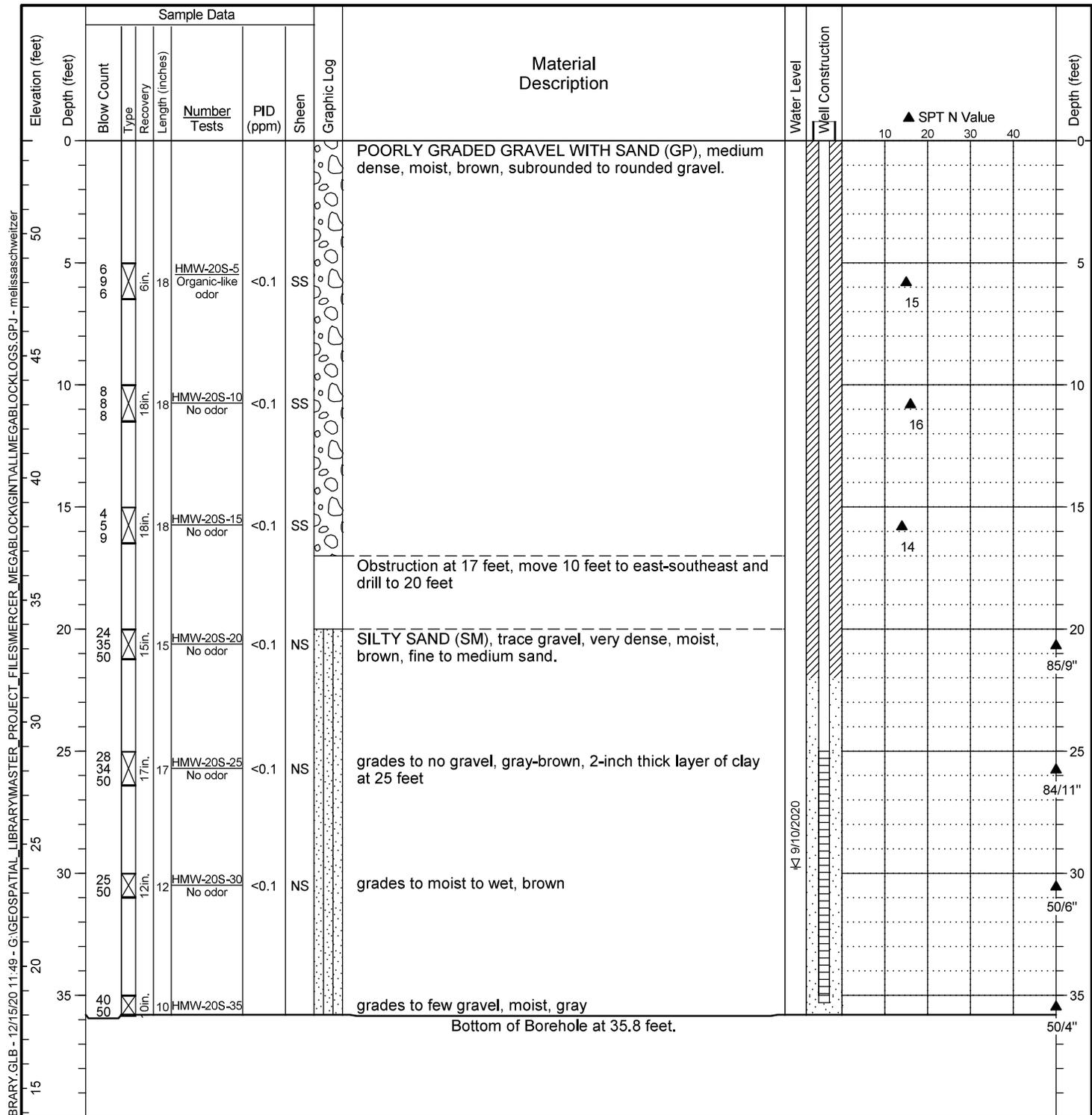


Project: Seattle DOT Mercer Parcels Site  
 Location: Seattle, Washington  
 Project No.: 19409-04

Boring and Monitoring Well Log  
**HMW-201A**

Figure **A1-84**  
 Sheet 2 of 2

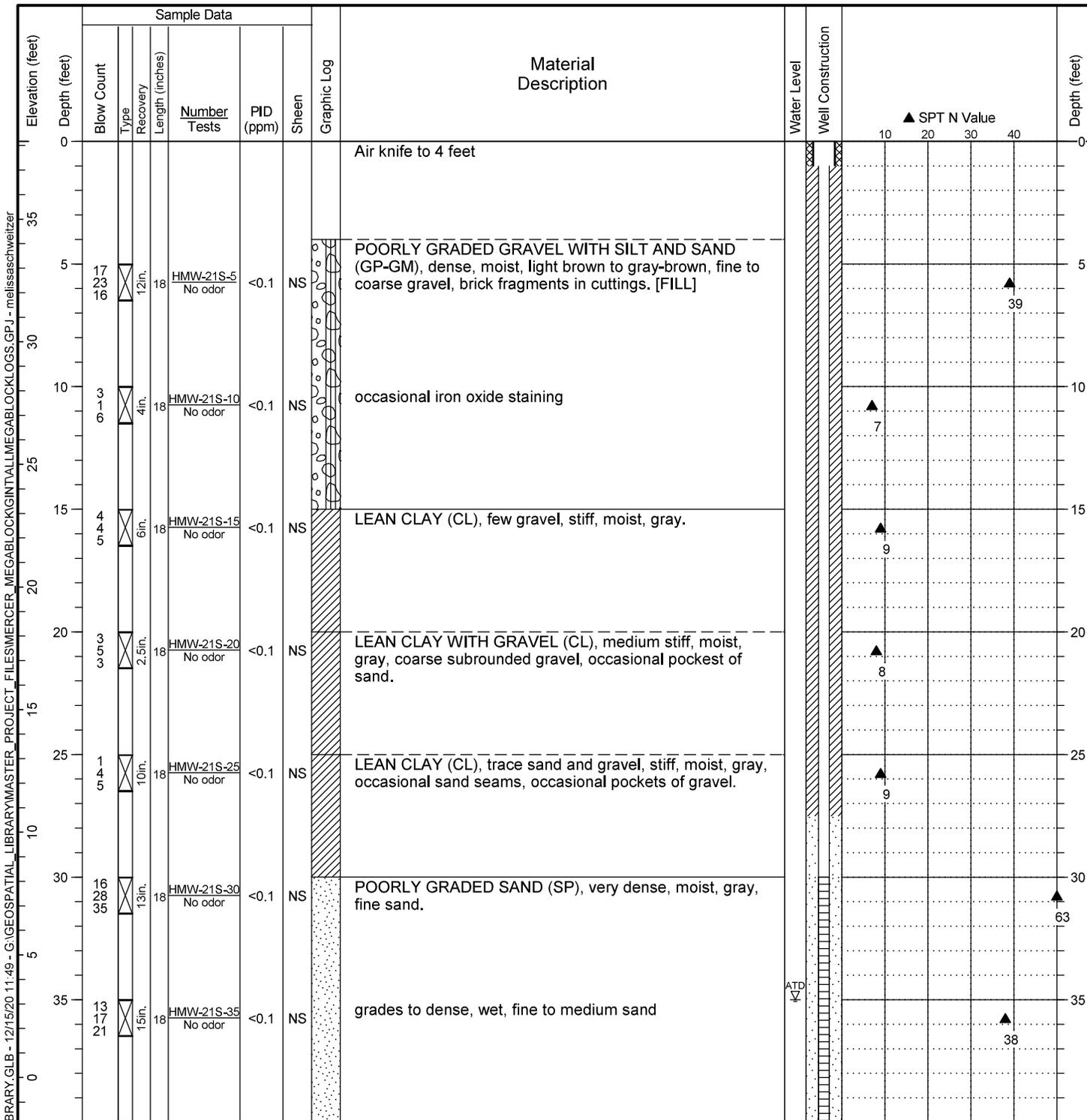
Date Started: 9/8/20 Date Completed: 9/8/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625032 Long: -122.341575 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 53.81 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP354 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: OD: 2 inches  
 Total Depth: 35.8 feet Depth to Groundwater: 29.75 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

Date Started: 10/20/20 Date Completed: 10/20/20 Drilling Contractor/Crew: Holt Services, Inc. / Abe, Rayon, and Smiley  
 Logged by: B. Lytle Checked by: Drilling Method: Mud Rotary  
 Location: Lat: 47.625024 Long: -122.339905 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 38.17 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP373 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches  
 Total Depth: 41.5 feet Depth to Groundwater: 35 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



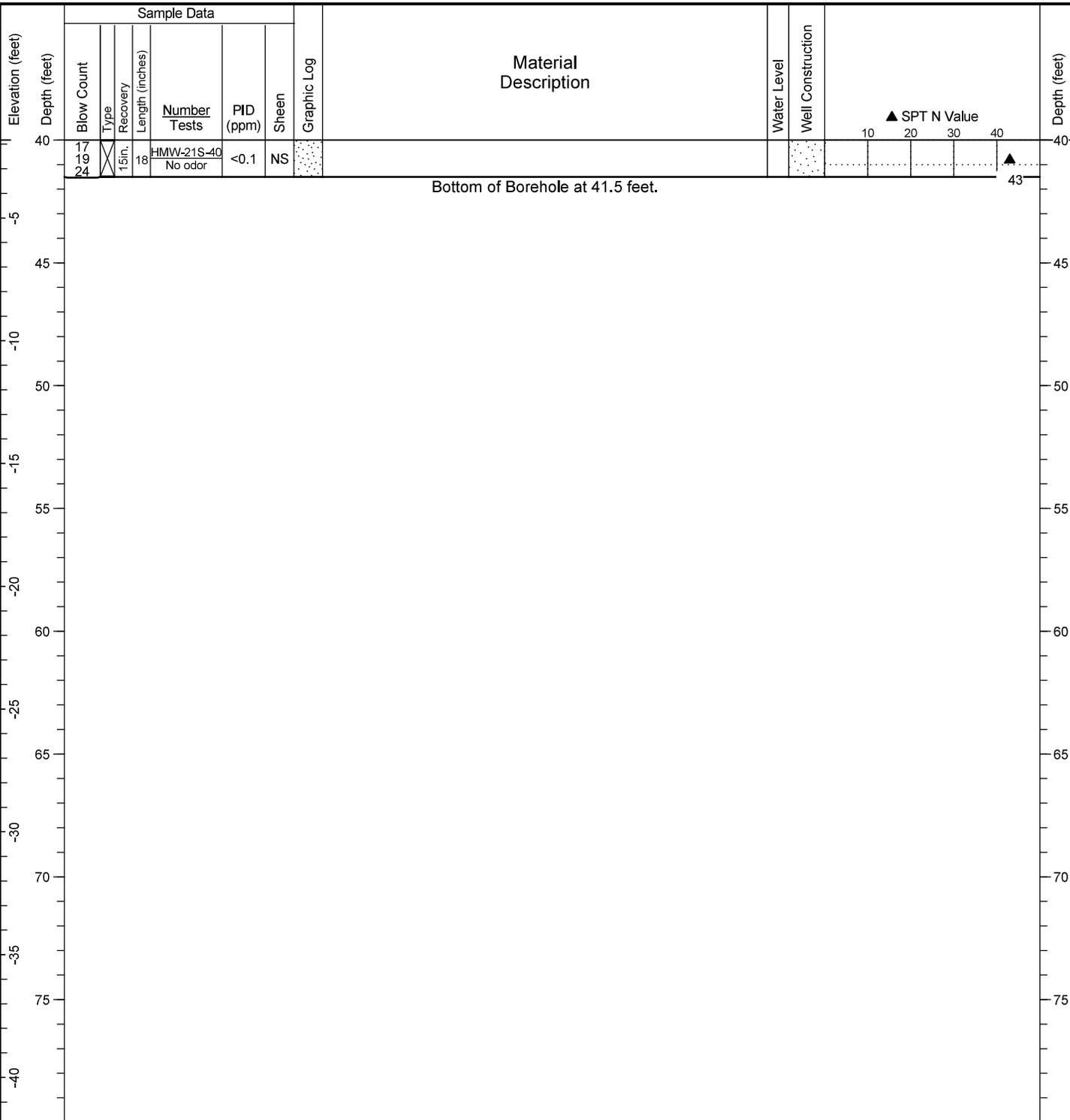
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 Location: Seattle, Washington  
 Project No.: 19409-04

Boring and Monitoring Well  
 Log  
**HMW-21S**

Figure **A1-86**  
 Sheet 1 of 2

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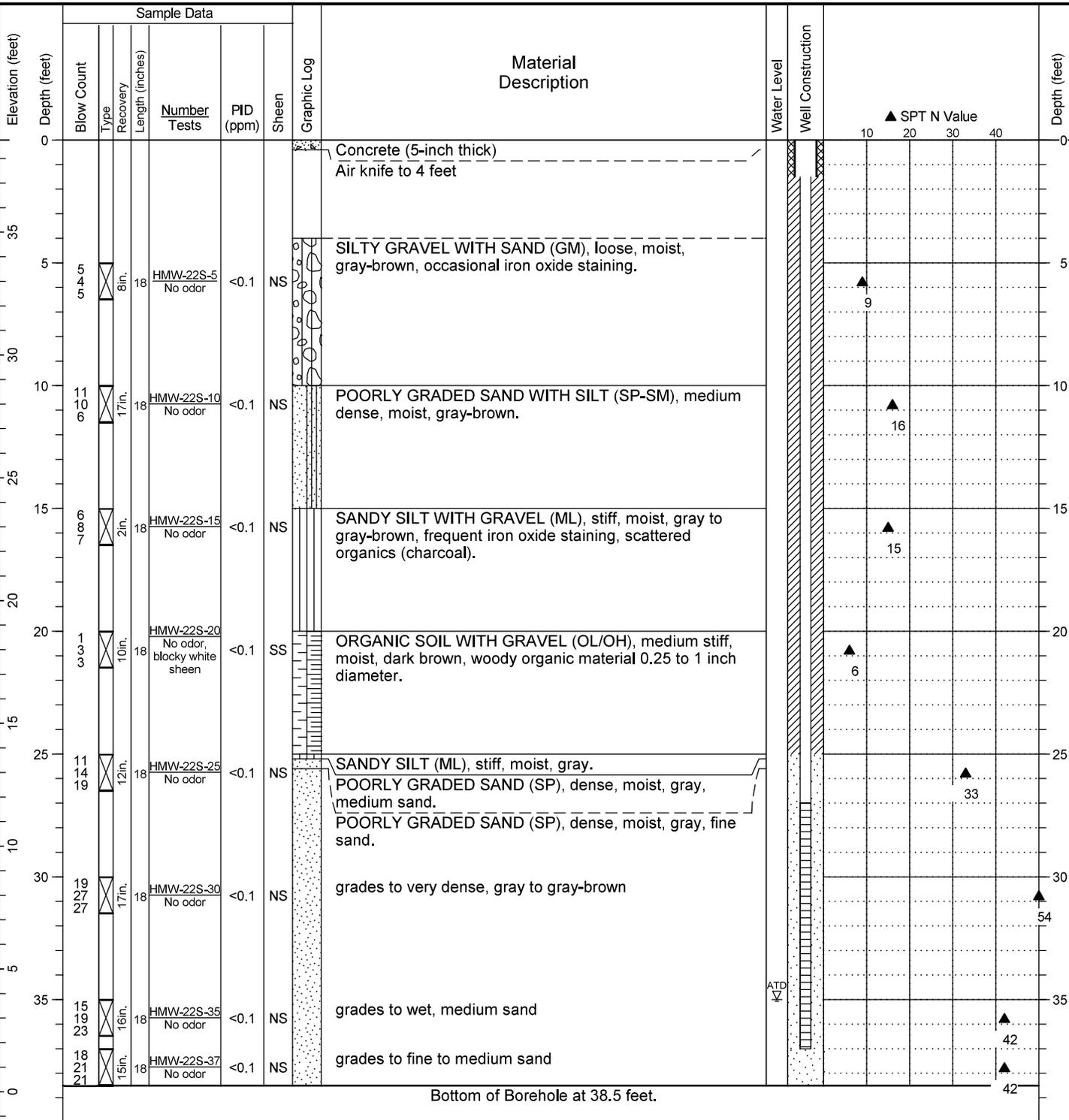
Date Started: 10/20/20 Date Completed: 10/20/20 Drilling Contractor/Crew: Holt Services, Inc. / Abe, Rayon, and Smiley  
 Logged by: B. Lytle Checked by: Drilling Method: Mud Rotary  
 Location: Lat: 47.625024 Long: -122.339905 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 38.17 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP373 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches  
 Total Depth: 41.5 feet Depth to Groundwater: 35 feet



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

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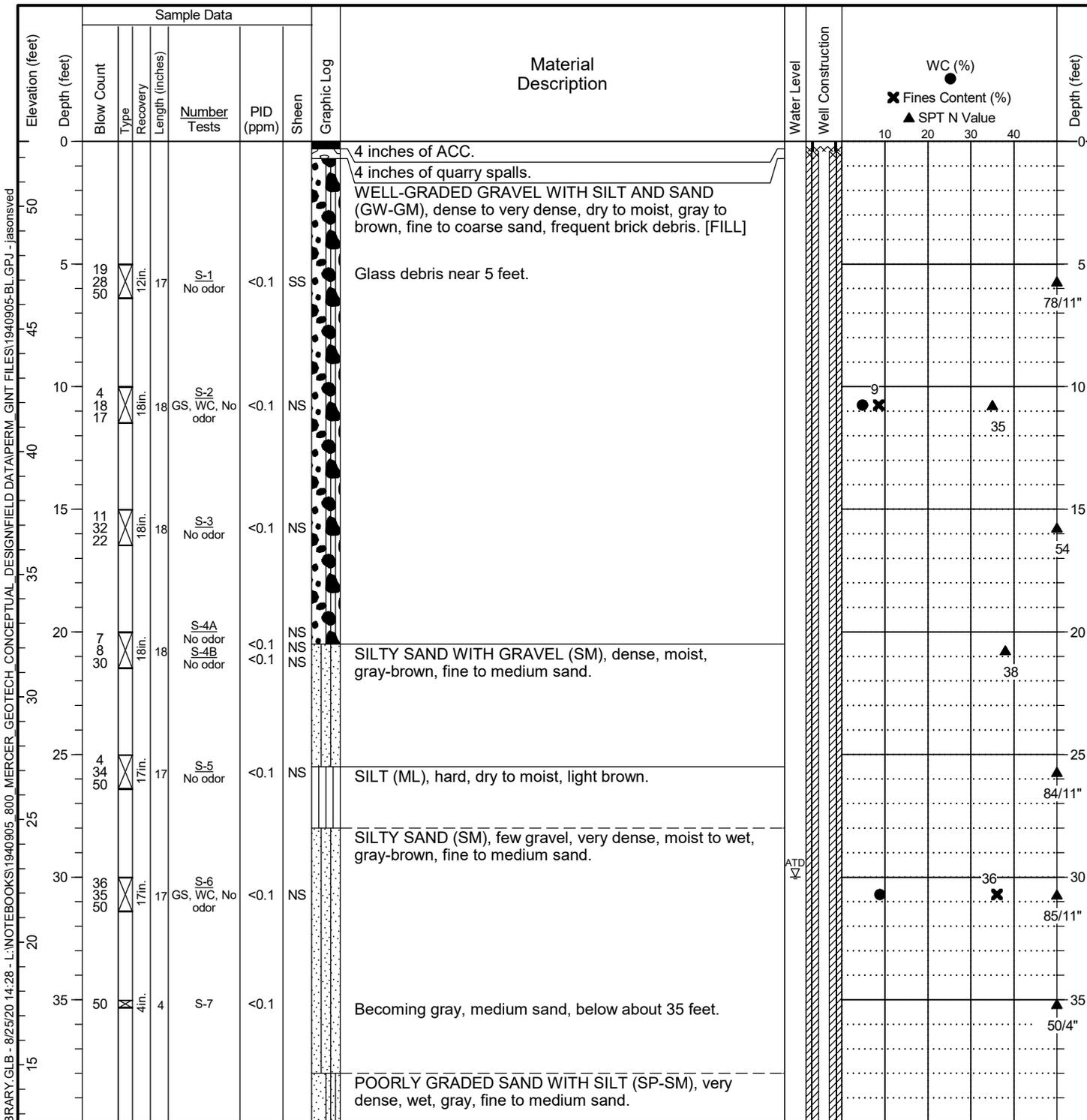
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 Logged by: B. Lytle Checked by: Drilling Method: Mud Rotary  
 Location: Lat: 47.624933 Long: -122.339904 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 38.75 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP374 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches  
 Total Depth: 38.5 feet Depth to Groundwater: 35 feet



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

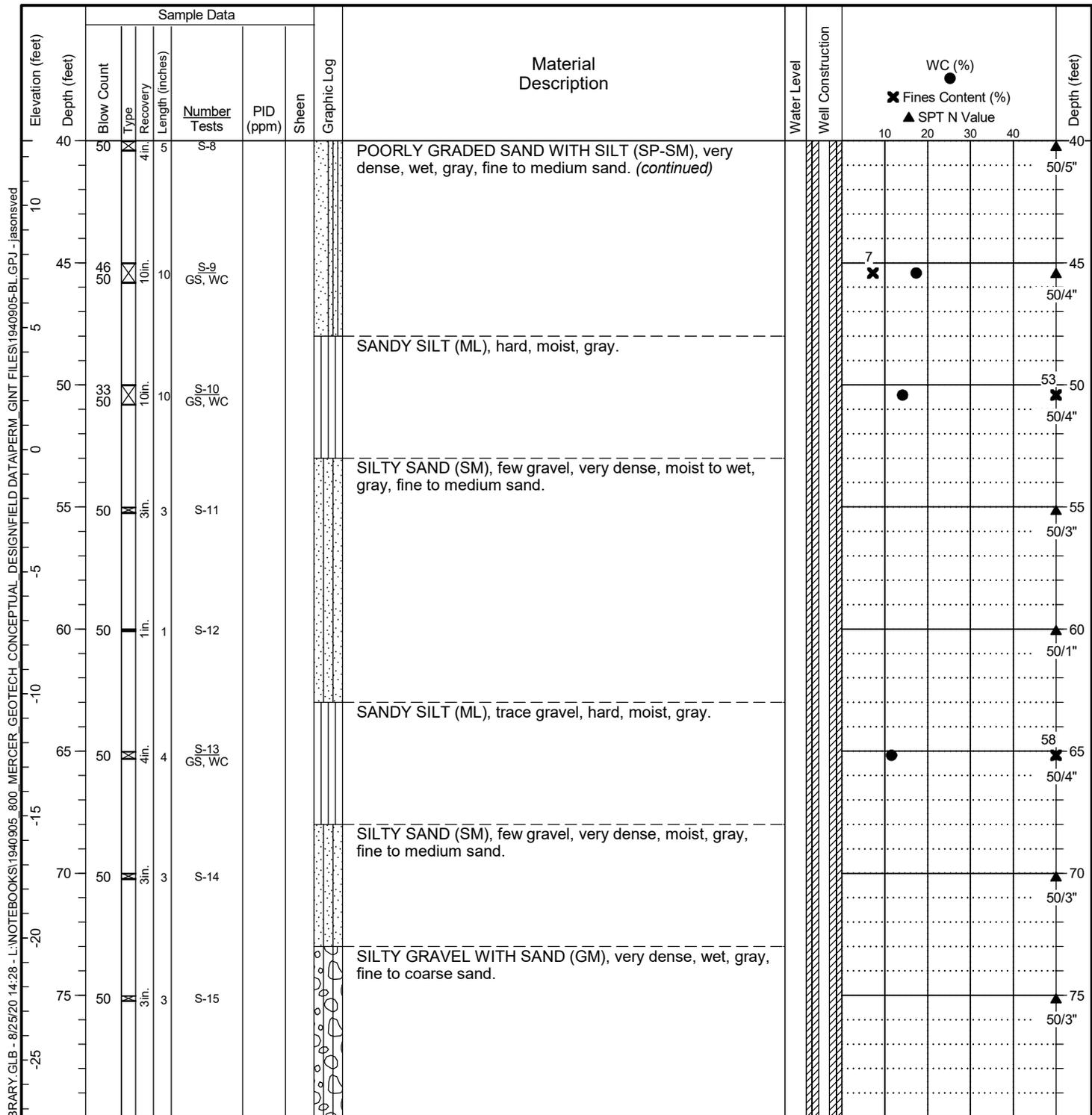
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Date Started: 7/24/20 Date Completed: 7/28/20 Drilling Contractor/Crew: Holt Services, Inc. / J. Bennett  
 Logged by: C. Kroskie Checked by: J. Sved Drilling Method: Mud Rotary/Hollow Stem Auger  
 Location: Lat: 47.624996 Long: -122.341273 (WGS 84) Rig Model/Type: CME-85 / Truck-mounted drill rig  
 Ground Surface Elevation: 52.65 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP319 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 8 inches Casing Diameter: \_\_\_\_\_  
 Total Depth: 150.3 feet Depth to Groundwater: 30 feet



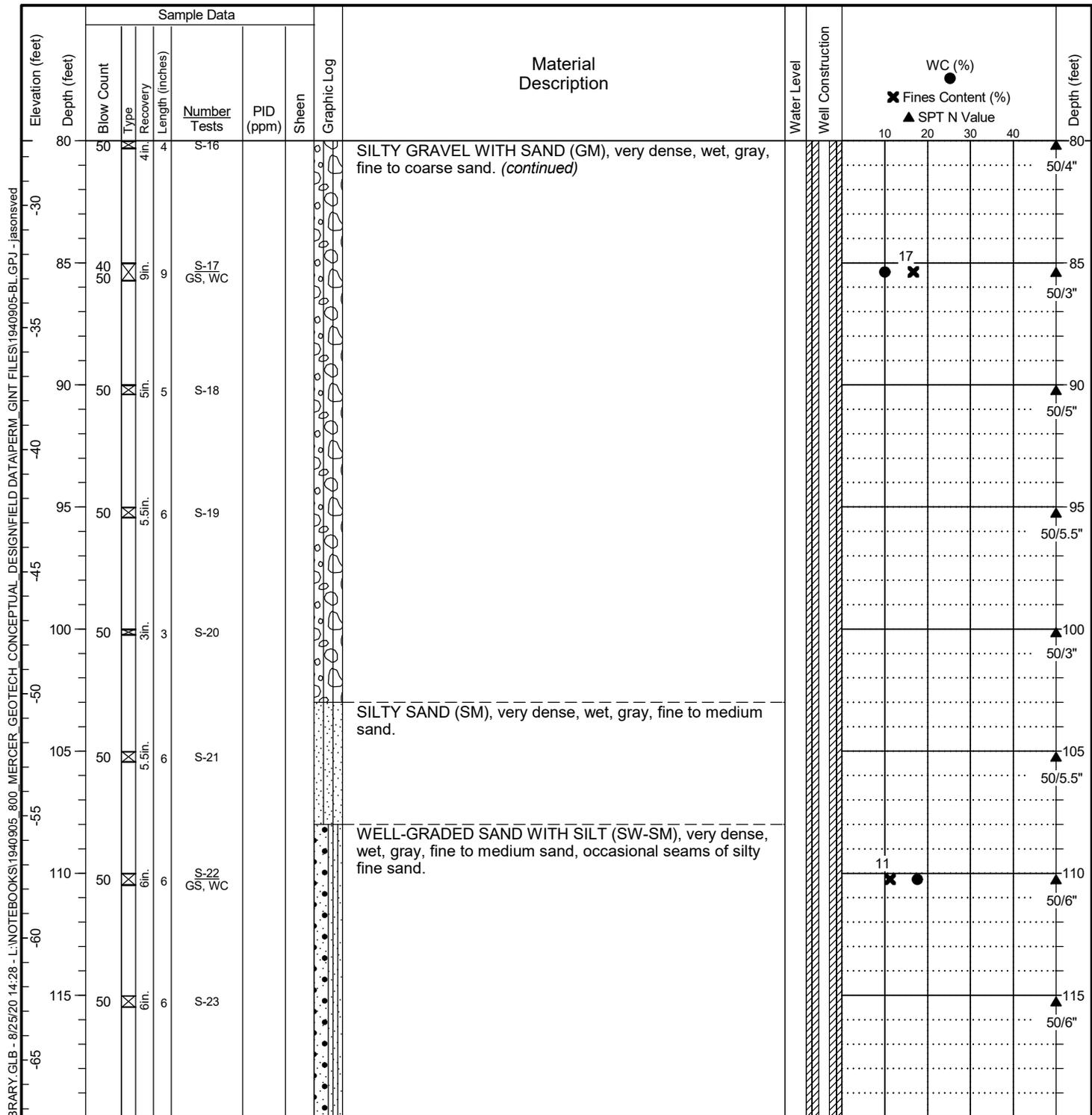
- General Notes:
1. Refer to Figure A-1 for explanation of descriptions and symbols.
  2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
  3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
  4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
  5. Location and ground surface elevations are approximate.

Date Started: 7/24/20 Date Completed: 7/28/20 Drilling Contractor/Crew: Holt Services, Inc. / J. Bennett  
 Logged by: C. Kroskie Checked by: J. Sved Drilling Method: Mud Rotary/Hollow Stem Auger  
 Location: Lat: 47.624996 Long: -122.341273 (WGS 84) Rig Model/Type: CME-85 / Truck-mounted drill rig  
 Ground Surface Elevation: 52.65 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP319 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 8 inches Casing Diameter: \_\_\_\_\_  
 Total Depth: 150.3 feet Depth to Groundwater: 30 feet



General Notes:  
 1. Refer to Figure A-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 7/24/20 Date Completed: 7/28/20 Drilling Contractor/Crew: Holt Services, Inc. / J. Bennett  
 Logged by: C. Kroskie Checked by: J. Sved Drilling Method: Mud Rotary/Hollow Stem Auger  
 Location: Lat: 47.624996 Long: -122.341273 (WGS 84) Rig Model/Type: CME-85 / Truck-mounted drill rig  
 Ground Surface Elevation: 52.65 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP319 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 8 inches Casing Diameter: \_\_\_\_\_  
 Total Depth: 150.3 feet Depth to Groundwater: 30 feet



General Notes:  
 1. Refer to Figure A-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.



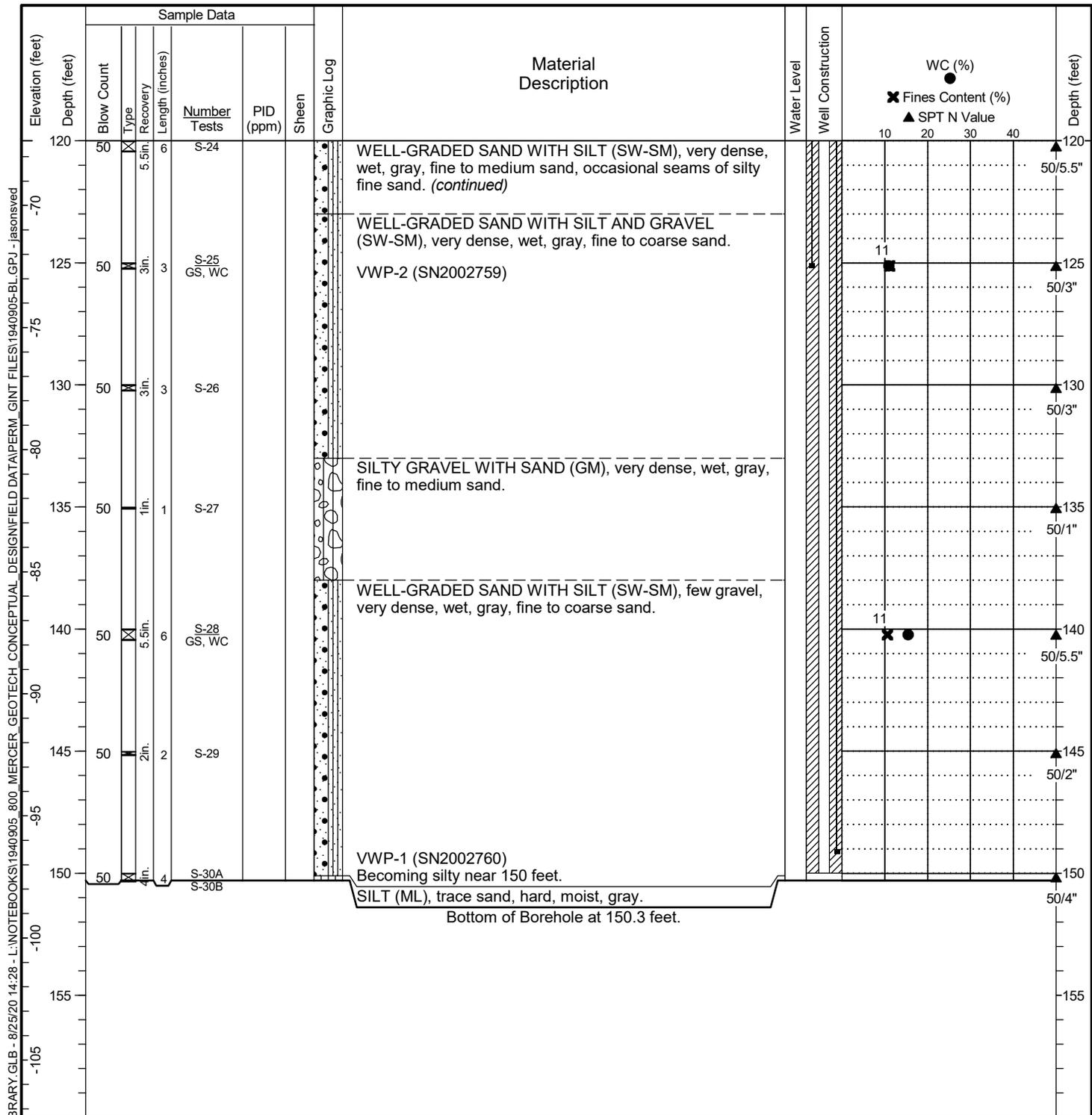
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 Location: Seattle, WA  
 Project No.: 19409-05

Boring and VWP Log  
**HVP-1**

Figure **A-7**  
 Sheet **3 of 4**

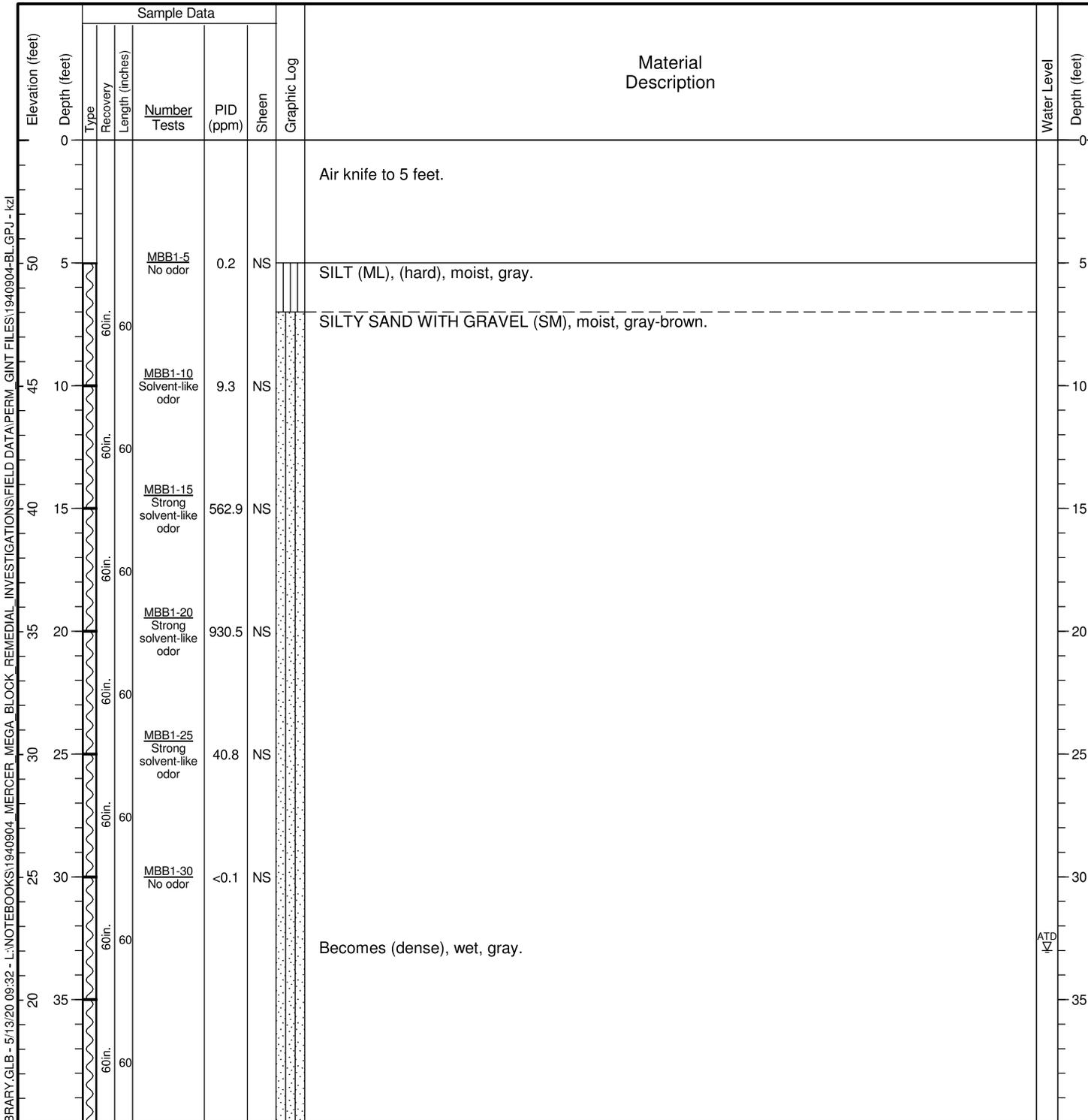
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Date Started: 7/24/20 Date Completed: 7/28/20 Drilling Contractor/Crew: Holt Services, Inc. / J. Bennett  
 Logged by: C. Kroskie Checked by: J. Sved Drilling Method: Mud Rotary/Hollow Stem Auger  
 Location: Lat: 47.624996 Long: -122.341273 (WGS 84) Rig Model/Type: CME-85 / Truck-mounted drill rig  
 Ground Surface Elevation: 52.65 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Well Tag ID: BMP319 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 8 inches Casing Diameter: \_\_\_\_\_  
 Total Depth: 150.3 feet Depth to Groundwater: 30 feet



General Notes:  
 1. Refer to Figure A-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 2/27/20 Date Completed: 2/27/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625208 Long: -122.341945 (WGS 84) Rig Model/Type: GS Mini Sonic - DB320  
 Ground Surface Elevation: 55.02 feet (NAVD 88) Hammer Type: \_\_\_\_\_  
 Comments: Temporary well screen set at a depth of 32 and 37 feet. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 7 inches Casing Diameter: NA  
 Total Depth: 40 feet Depth to Groundwater: 33 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

Bottom of Borehole at 40.0 feet.



Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Sonic Core Log  
**MBB-1**

Figure **A1-2**  
 Sheet **1 of 1**

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:32 - L:\NOTEBOOKS\1940904 MERCER MEGA BLOCK REMEDIAL INVESTIGATIONS\FIELD DATA\PERM\_GINT FILES\1940904-BL.GPJ - kzl

Date Started: 2/27/20 Date Completed: 2/27/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625165 Long: -122.341961 (WGS 84) Rig Model/Type: GS Mini Sonic - DB320  
 Ground Surface Elevation: 55.27 feet (NAVD 88) Hammer Type: \_\_\_\_\_  
 Comments: Temporary well screen set at a depth of 32 and 37 feet. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 7 inches Casing Diameter: NA  
 Total Depth: 40 feet Depth to Groundwater: 33 feet

Elevation (feet)	Depth (feet)	Sample Data					Material Description	Water Level	Depth (feet)
		Type	Recovery Length (inches)	Number Tests	PID (ppm)	Sheen			
55	0						Air knife to 5 feet.		0
50	5		60 in.	MBB2-5 No odor	0.1	NS	SANDY SILT (ML), moist, gray-brown.		5
45	10		60 in.	MBB2-10 Petroleum-like odor, slight white stringy sheen	3.7		SILTY SAND WITH GRAVEL (SM), moist, gray-brown.		10
40	15		60 in.	MBB2-15 Solvent-like odor	4.9	NS	Grades to gray. Grades to gray-brown.		15
35	20		60 in.	MBB2-20 Solvent-like odor	16.3	NS	Becomes gray.		20
30	25		60 in.	MBB2-25 Strong solvent-like odor	16.1	NS			25
25	30		60 in.	MBB2-30 No odor	0.8	NS	Becomes more (dense).		30
20	35		60 in.				SILTY SAND (SM), moist, gray.		35

ATD  
▽

General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

Bottom of Borehole at 40.0 feet.



Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Sonic Core Log  
**MBB-2**

Figure **A1-3**  
 Sheet **1 of 1**

Date Started: 2/27/20 Date Completed: 2/27/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625142 Long: -122.341909 (WGS 84) Rig Model/Type: GS Mini Sonic - DB320  
 Ground Surface Elevation: 54.97 feet (NAVD 88) Hammer Type: \_\_\_\_\_  
 Comments: Temporary well screen set at a depth of 32 and 37 feet. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 7 inches Casing Diameter: NA  
 Total Depth: 40 feet Depth to Groundwater: 33 feet

Elevation (feet)	Depth (feet)	Sample Data					Material Description	Water Level	Depth (feet)
		Type	Recovery Length (inches)	Number Tests	PID (ppm)	Sheen			
0	0						Air knife to 5 feet.		0
5	5		60 in.	MBB3-5 No odor	3.9	NS	SANDY SILT (ML), moist, gray-brown.		5
10	10		60 in.	MBB3-10 Strong solvent-like odor	929.3	NS	SILTY SAND (SM), moist, gray-brown.		10
15	15		60 in.	MBB3-12 Strong solvent-like odor	890.4	NS	SANDY SILT (ML), moist, gray.		15
20	20		60 in.	MBB3-15 Strong solvent-like odor	21.9	NS	SILTY SAND WITH GRAVEL (SM), dry to moist, gray-brown.		20
25	25		60 in.	MBB3-20 Strong solvent-like odor	67.1	NS			25
30	30		60 in.	MBB3-25 Strong solvent-like odor	474.4	NS			30
35	35		60 in.	MBB3-30 Strong solvent-like odor	213.0	NS	Becomes wet, gray.		35
40	40		60 in.	MBB3-35 Solvent-like odor	8.1	NS			35
			60 in.	MBB3-40 No odor	2.3	NS			

ATD  
▽

General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

Bottom of Borehole at 40.0 feet.



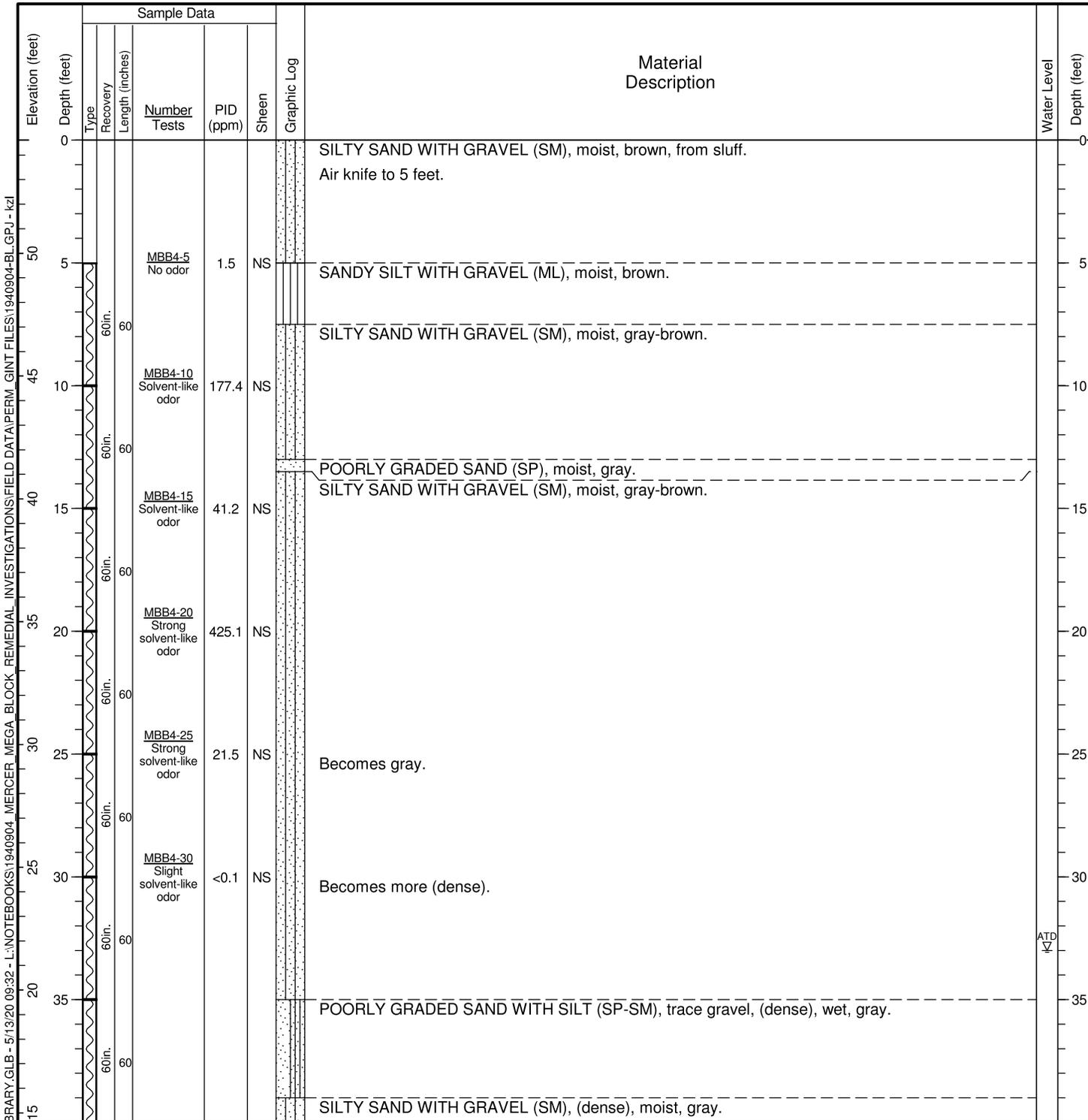
Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Sonic Core Log  
**MBB-3**

Figure **A1-4**  
 Sheet **1 of 1**

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:32 - L:\NOTEBOOKS\1940904 MERCER MEGA BLOCK REMEDIAL INVESTIGATIONS\FIELD DATA\PERM\_GINT FILES\1940904-BL.GPJ - kzl

Date Started: 2/27/20 Date Completed: 2/27/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625160 Long: -122.341879 (WGS 84) Rig Model/Type: GS Mini Sonic - DB320  
 Ground Surface Elevation: 54.61 feet (NAVD 88) Hammer Type: \_\_\_\_\_  
 Comments: Temporary well screen set at a depth of 32 and 37 feet. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 7 inches Casing Diameter: NA  
 Total Depth: 40 feet Depth to Groundwater: 33 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

Bottom of Borehole at 40.0 feet.



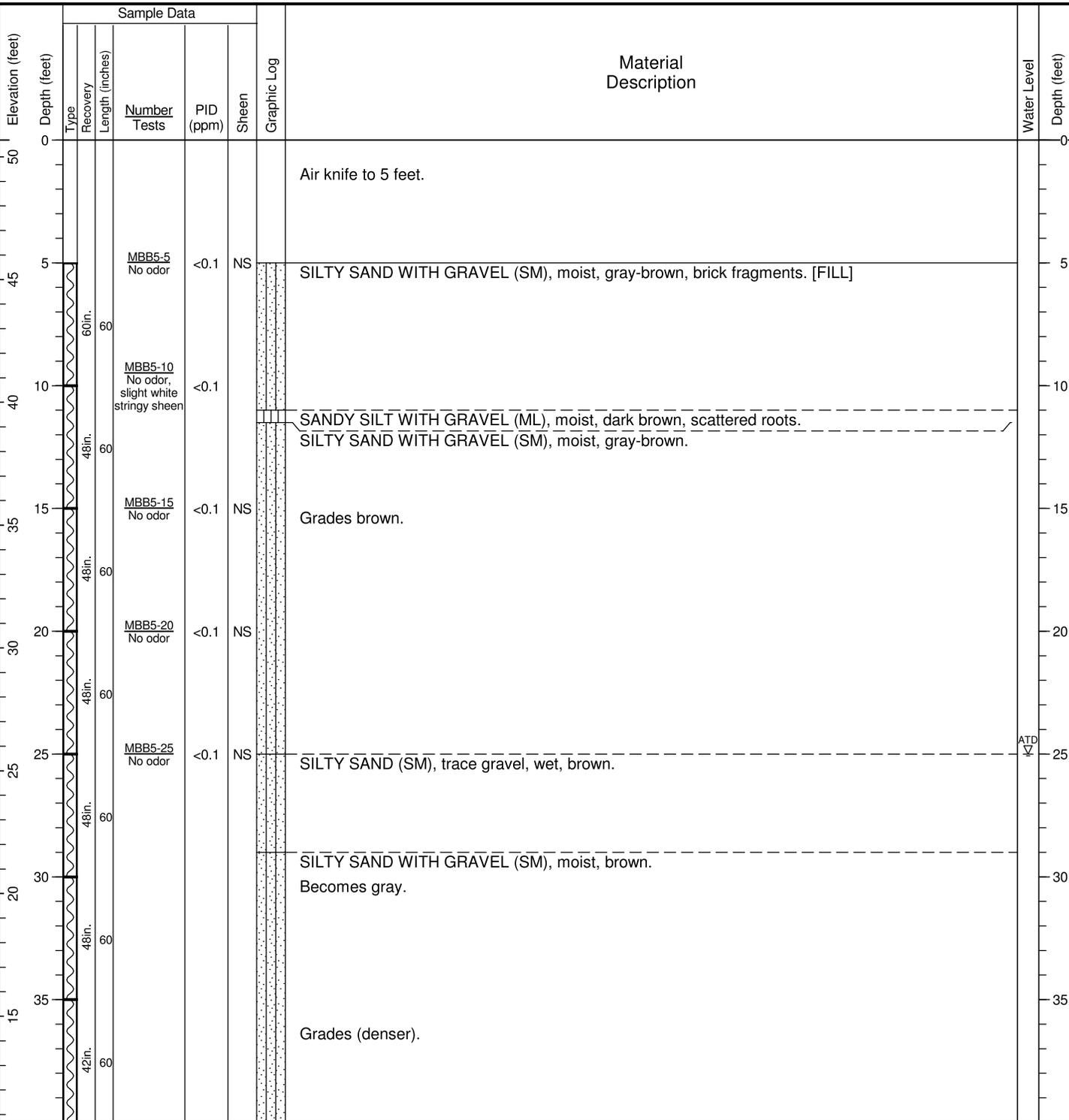
Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Sonic Core Log  
**MBB-4**

Figure **A1-5**  
 Sheet **1 of 1**

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:32 - L:\NOTEBOOKS\1940904 MERCER MEGA BLOCK REMEDIAL INVESTIGATIONS\FIELD DATA\PERM GINT FILES\1940904-BL.GPJ - kzl

Date Started: 3/2/20 Date Completed: 3/2/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625125 Long: -122.341321 (WGS 84) Rig Model/Type: GS Mini Sonic - DB320  
 Ground Surface Elevation: 50.68 feet (NAVD 88) Hammer Type: \_\_\_\_\_  
 Comments: Temporary well screen set at a depth of 32 and 37 feet. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 7 inches Casing Diameter: NA  
 Total Depth: 40 feet Depth to Groundwater: 25 feet



General Notes: Bottom of Borehole at 40.0 feet.

- Refer to Figure A1-1 for explanation of descriptions and symbols.
- Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
- USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
- Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
- Location and ground surface elevations are approximate.

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Date Started: 3/3/20 Date Completed: 3/3/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625113 Long: -122.341268 (WGS 84) Rig Model/Type: GS Mini Sonic - DB320  
 Ground Surface Elevation: 50.33 feet (NAVD 88) Hammer Type: \_\_\_\_\_  
 Comments: Temporary well screen set at a depth of 25 and 30 feet. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 7 inches Casing Diameter: NA  
 Total Depth: 40 feet Depth to Groundwater: 25 feet

Elevation (feet)	Depth (feet)	Sample Data					Material Description	Water Level	Depth (feet)
		Type	Recovery Length (inches)	Number Tests	PID (ppm)	Sheen			
50	0						Air knife to 5 feet.		0
45	5		40 in.	MBB6-5 No odor	<0.1	NS	SILTY SAND WITH GRAVEL (SM), moist, light brown.		5
40	10		36 in.	MBB6-10 No odor	<0.1	NS			10
35	15		48 in.	MBB6-15 No odor	<0.1	NS	Concrete. SILTY SAND WITH GRAVEL (SM), moist, light brown. Grades to brown.		15
30	20		42 in.	MBB6-20 No odor	<0.1	NS			20
25	25		48 in.	MBB6-25 No odor	<0.1	NS	SILTY SAND (SM), trace gravel, wet, brown.	ATD ∇	25
20	30		42 in.				SILTY SAND WITH GRAVEL (SM), moist, gray-brown. Becomes gray.		30
15	35		50 in.				SILTY SAND (SM), trace gravel, wet, gray. Becomes moist.		35

General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

Bottom of Borehole at 40.0 feet.

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:32 - L:\NOTEBOOKS\1940904 MERCER MEGA BLOCK REMEDIAL INVESTIGATIONS\FIELD DATA\PERM\_GINT FILES\1940904-BL.GPJ - kzl

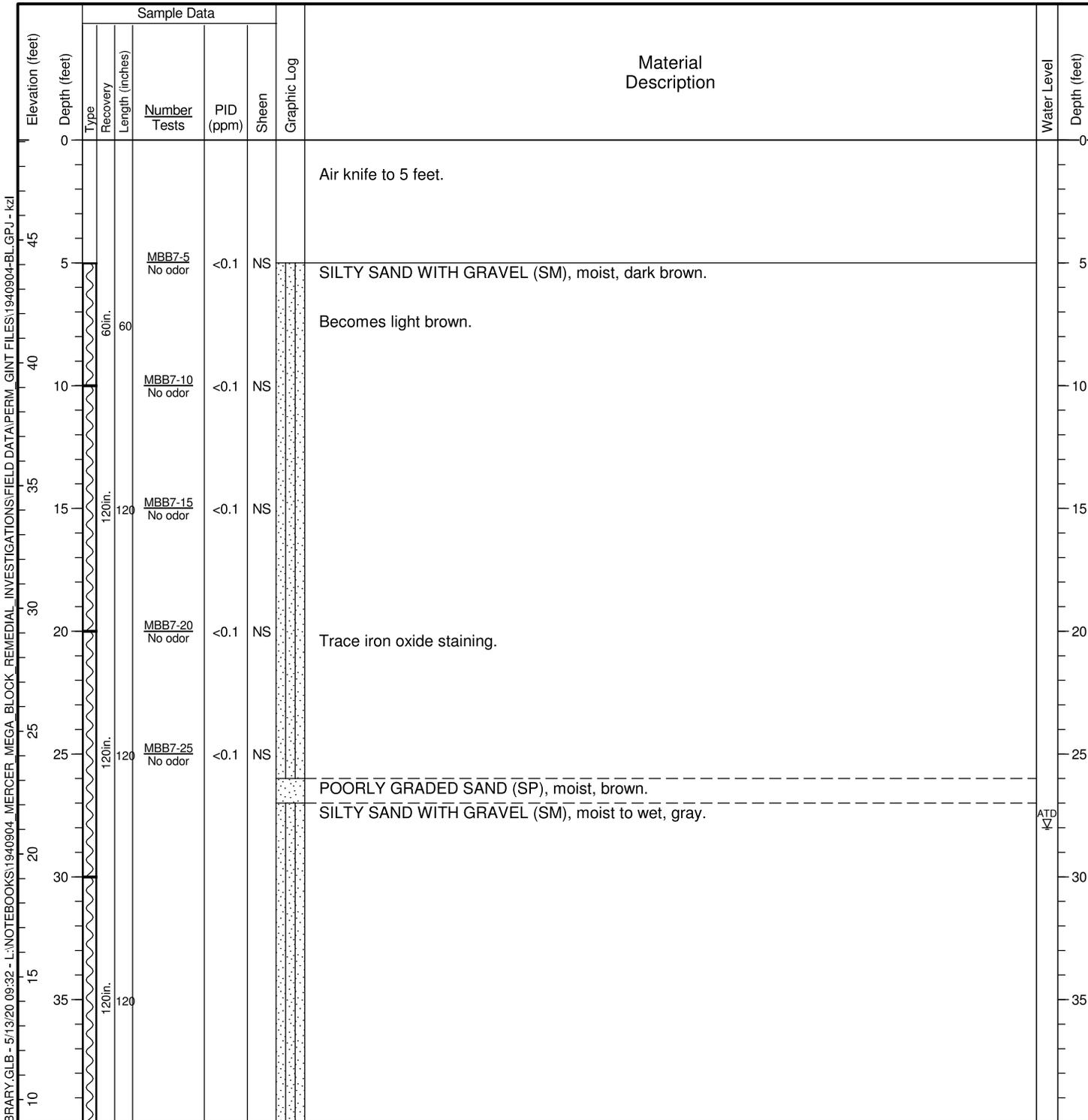


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Sonic Core Log  
**MBB-6**

Figure **A1-7**  
 Sheet **1 of 1**

Date Started: 2/25/20 Date Completed: 2/25/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625224 Long: -122.341123 (WGS 84) Rig Model/Type: TSi 150CC  
 Ground Surface Elevation: 49.07 feet (NAVD 88) Hammer Type: \_\_\_\_\_  
 Comments: Temporary well screen set at a depth of 27 and 32 feet. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 6 inches Casing Diameter: NA  
 Total Depth: 40 feet Depth to Groundwater: 28 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

Bottom of Borehole at 40.0 feet.

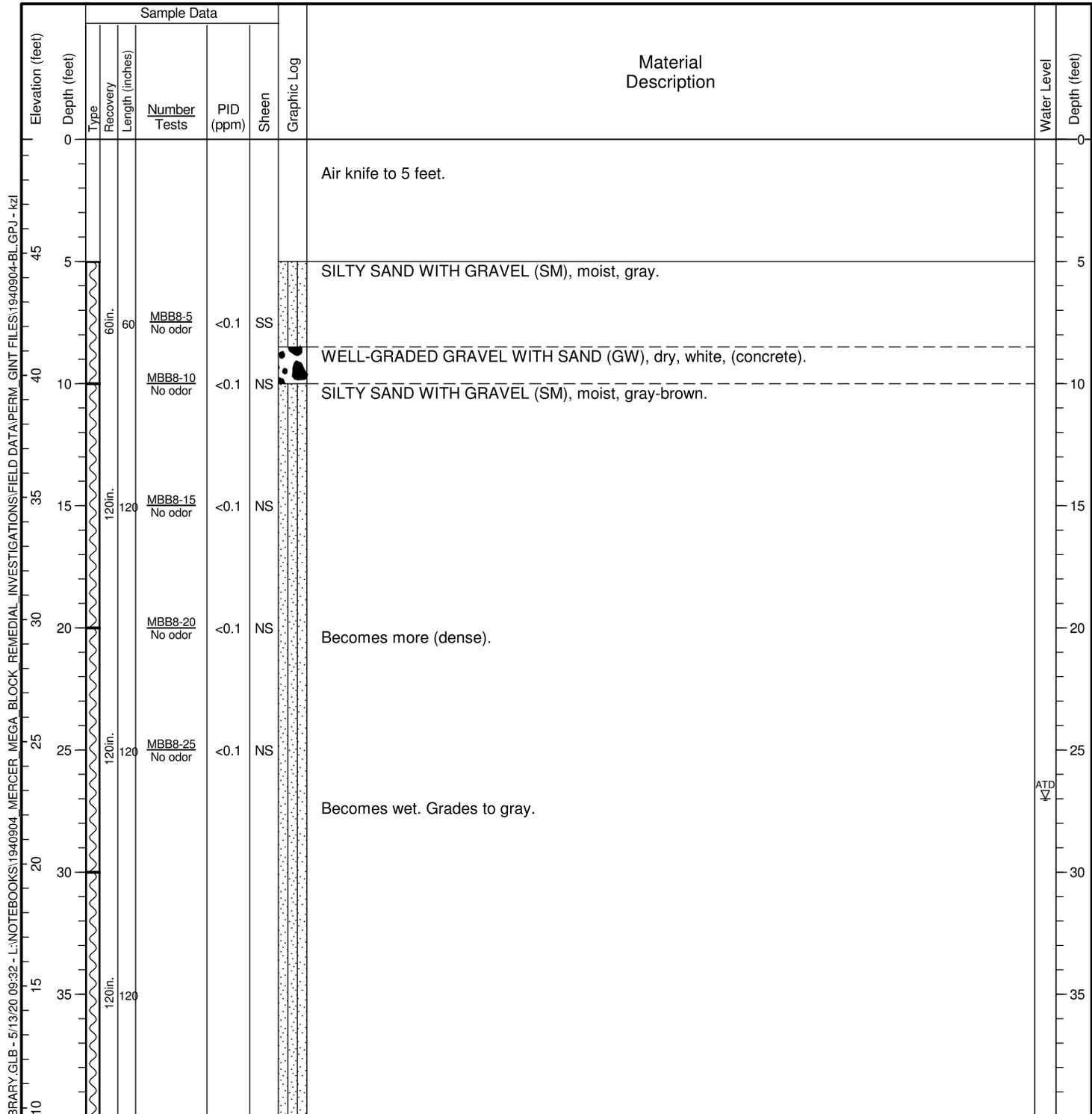


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Sonic Core Log  
**MBB-7**

Figure **A1-8**  
 Sheet **1 of 1**

Date Started: 2/26/20 Date Completed: 2/26/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625096 Long: -122.341099 (WGS 84) Rig Model/Type: TSi 150CC  
 Ground Surface Elevation: 49.66 feet (NAVD 88) Hammer Type: \_\_\_\_\_  
 Comments: Temporary well screen set at a depth of 27 and 32 feet. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 6 inches Casing Diameter: NA  
 Total Depth: 40 feet Depth to Groundwater: 27 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

Bottom of Borehole at 40.0 feet.

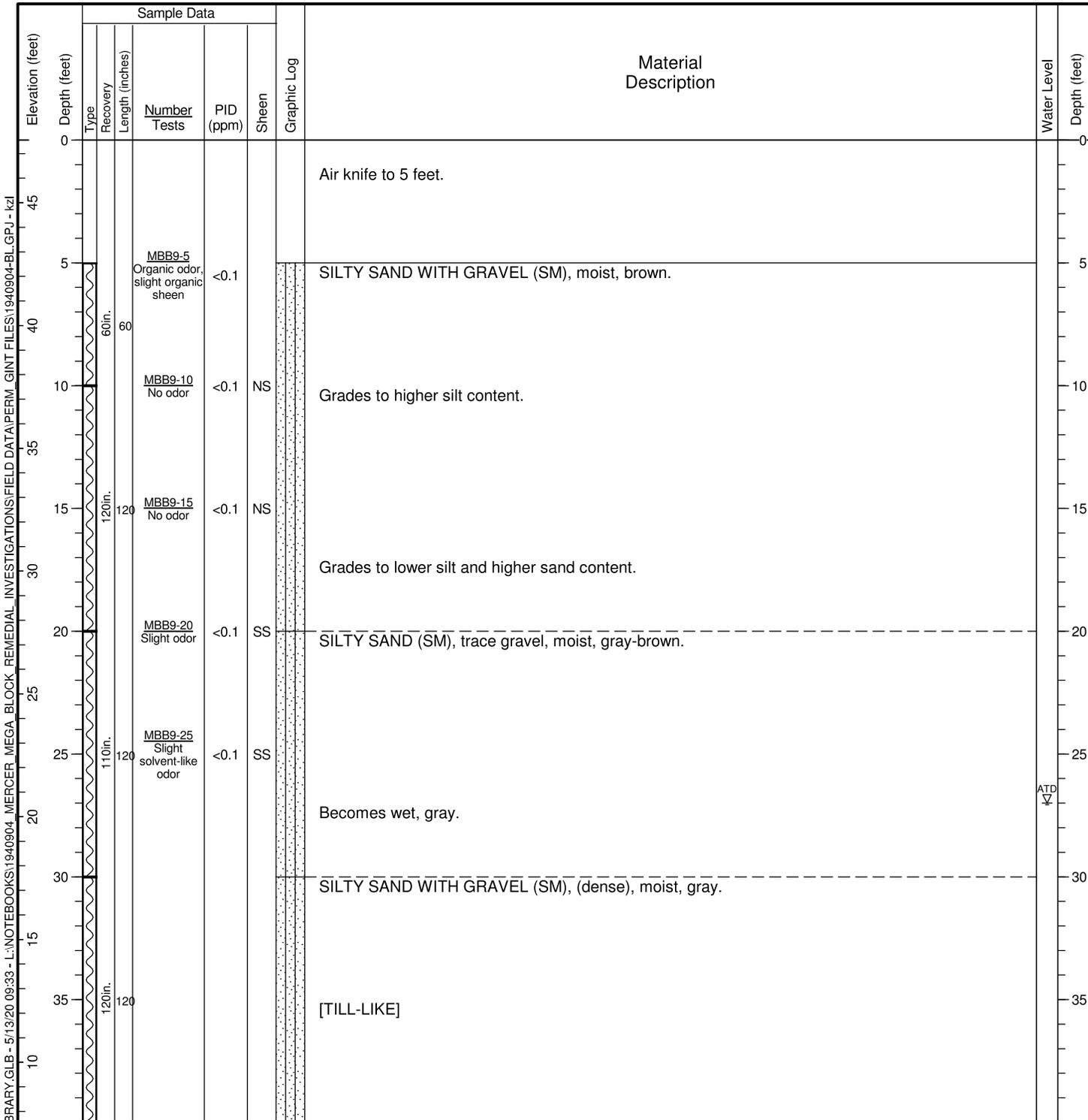


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Sonic Core Log  
**MBB-8**

Figure **A1-9**  
 Sheet **1 of 1**

Date Started: 2/26/20 Date Completed: 2/26/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625082 Long: -122.340910 (WGS 84) Rig Model/Type: TSi 150CC  
 Ground Surface Elevation: 47.55 feet (NAVD 88) Hammer Type: \_\_\_\_\_  
 Comments: Temporary well screen set at a depth of 27 and 32 feet. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 6 inches Casing Diameter: NA  
 Total Depth: 40 feet Depth to Groundwater: 27 feet



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Bottom of Borehole at 40.0 feet.

Date Started: 2/26/20 Date Completed: 2/26/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625211 Long: -122.340876 (WGS 84) Rig Model/Type: TSi 150CC  
 Ground Surface Elevation: 47.55 feet (NAVD 88) Hammer Type: \_\_\_\_\_  
 Comments: Temporary well screen set at a depth of 35 and 40 feet. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 6 inches Casing Diameter: NA  
 Total Depth: 40 feet Depth to Groundwater: 35 feet

Elevation (feet)	Depth (feet)	Sample Data					Material Description	Water Level	Depth (feet)
		Type	Recovery Length (inches)	Number Tests	PID (ppm)	Sheen			
0	0						Air knife to 5 feet.		0
5	5		60in.	MBB10-5 Organic odor, organic sheen	<0.1		SILTY SAND WITH GRAVEL (SM), (medium dense), moist, brown.		5
10	10		60	MBB10-10 No odor	<0.1	NS	Becomes dark brown. Becomes gray-brown. Becomes brown.		10
15	15		108in.	MBB10-15 No odor	<0.1	NS	Grades to gray-brown.		15
20	20		120	MBB10-20 No odor	<0.1	NS			20
25	25		120in.	MBB10-25 No odor	<0.1	NS	SILTY SAND (SM), moist, gray-brown. SILTY SAND WITH GRAVEL (SM), moist, gray.		25
30	30		120				SILTY SAND (SM), moist, gray-brown. SILTY SAND WITH GRAVEL (SM), (medium dense), wet, gray.		30
35	35		92in.				SILTY SAND (SM), wet, gray. SILTY SAND WITH GRAVEL (SM), moist, gray. [TILL]		35
40	40		120				Grades to wet.		35

General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

Bottom of Borehole at 40.0 feet.



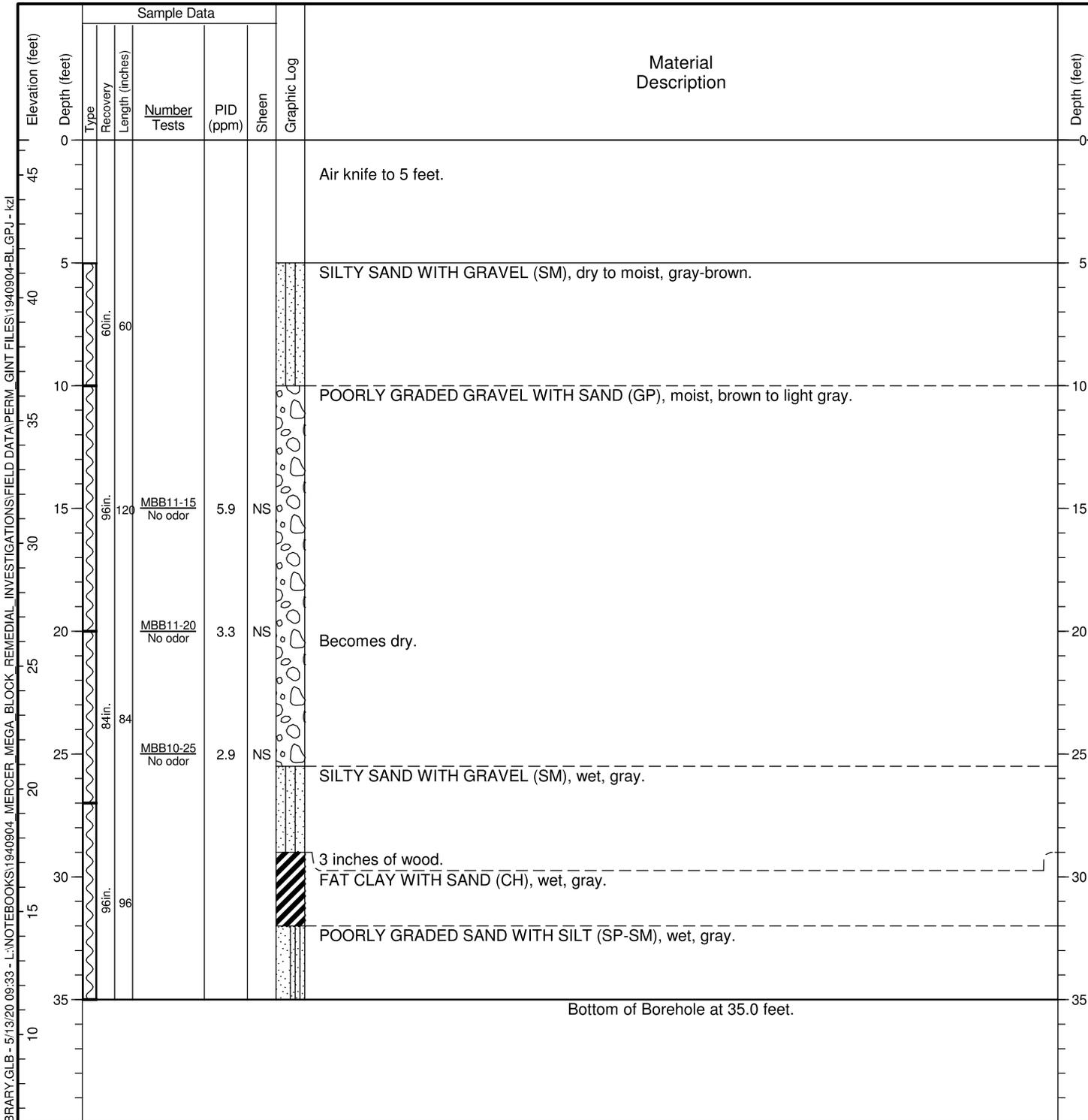
Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Sonic Core Log  
**MBB-10**

Figure **A1-11**  
 Sheet **1 of 1**

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:33 - L:\NOTEBOOKS\1940904 MERCER MEGA BLOCK REMEDIAL INVESTIGATIONS\FIELD DATA\PERM. GINT FILES\1940904-BL.GPJ - kzl

Date Started: 3/4/20 Date Completed: 3/4/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625138 Long: -122.340141 (WGS 84) Rig Model/Type: TSi 150CC  
 Ground Surface Elevation: 46.42 feet (NAVD 88) Hammer Type: \_\_\_\_\_  
 Comments: Temporary well screen set at a depth of 30 and 35 feet. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 6 inches Casing Diameter: NA  
 Total Depth: 35 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

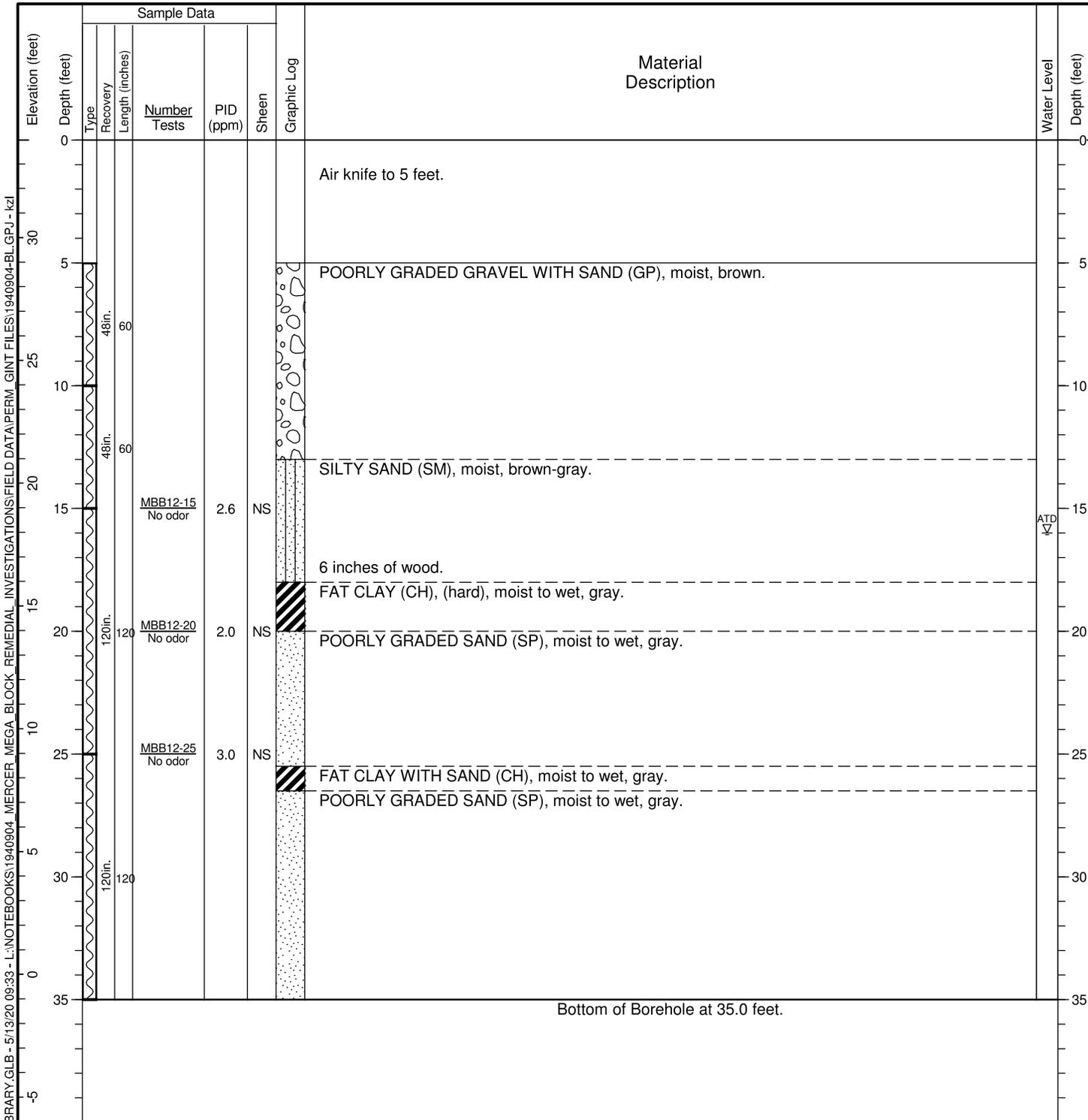


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Sonic Core Log  
**MBB-11**

Figure **A1-12**  
 Sheet **1 of 1**

Date Started: 3/4/20 Date Completed: 3/4/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625217 Long: -122.339979 (WGS 84) Rig Model/Type: TSi 150CC  
 Ground Surface Elevation: 33.97 feet (NAVD 88) Hammer Type:  
 Comments: Temporary well screen set at a depth of 27 and 32 feet. Hammer Weight (pounds): Hammer Drop Height (inches):  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 6 inches Casing Diameter: NA  
 Total Depth: 35 feet Depth to Groundwater: 16 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

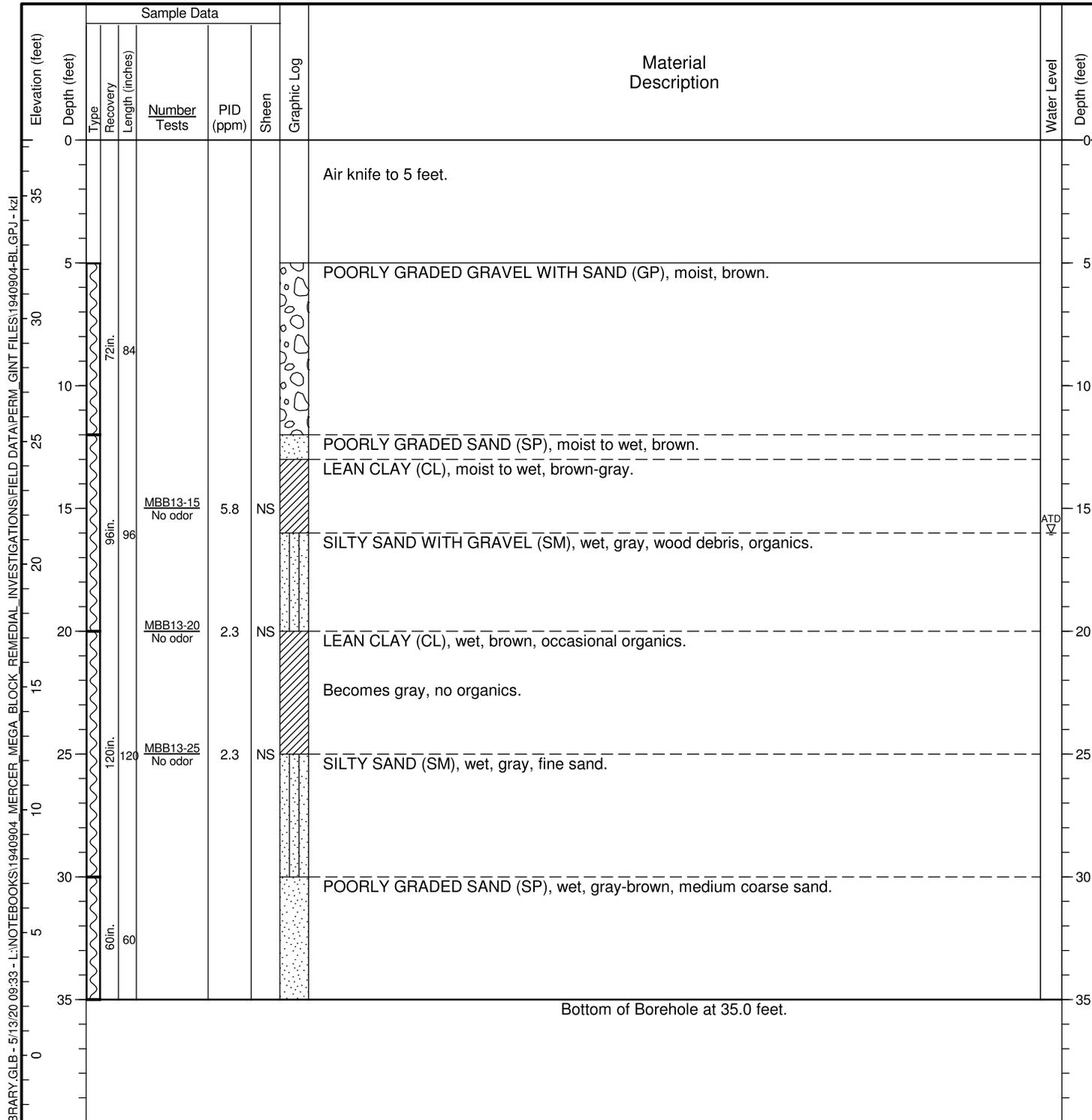


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Sonic Core Log  
**MBB-12**

Figure **A1-13**  
 Sheet **1 of 1**

Date Started: 3/4/20 Date Completed: 3/4/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625147 Long: -122.339952 (WGS 84) Rig Model/Type: TSi 150CC  
 Ground Surface Elevation: 37.27 feet (NAVD 88) Hammer Type:  
 Comments: Temporary well screen set at a depth of 30 and 35 feet. Hammer Weight (pounds): Hammer Drop Height (inches):  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 6 inches Casing Diameter: NA  
 Total Depth: 35 feet Depth to Groundwater: 16 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

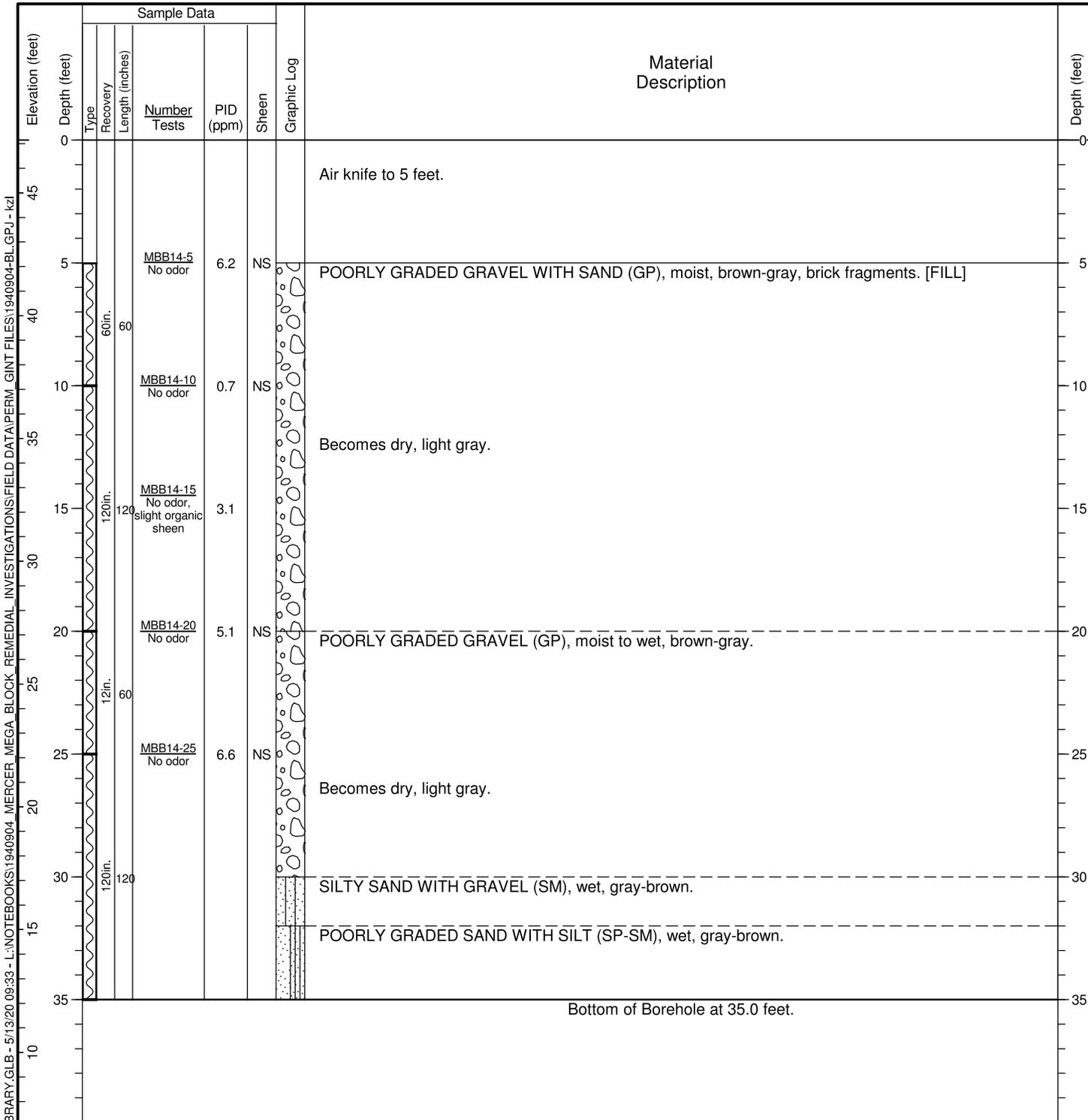


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Sonic Core Log  
**MBB-13**

Figure **A1-14**  
 Sheet **1 of 1**

Date Started: 3/3/20 Date Completed: 3/3/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625046 Long: -122.340151 (WGS 84) Rig Model/Type: TSi 150CC  
 Ground Surface Elevation: 47.15 feet (NAVD 88) Hammer Type: \_\_\_\_\_  
 Comments: Temporary well screen set at a depth of 30 and 35 feet. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 6 inches Casing Diameter: NA  
 Total Depth: 35 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

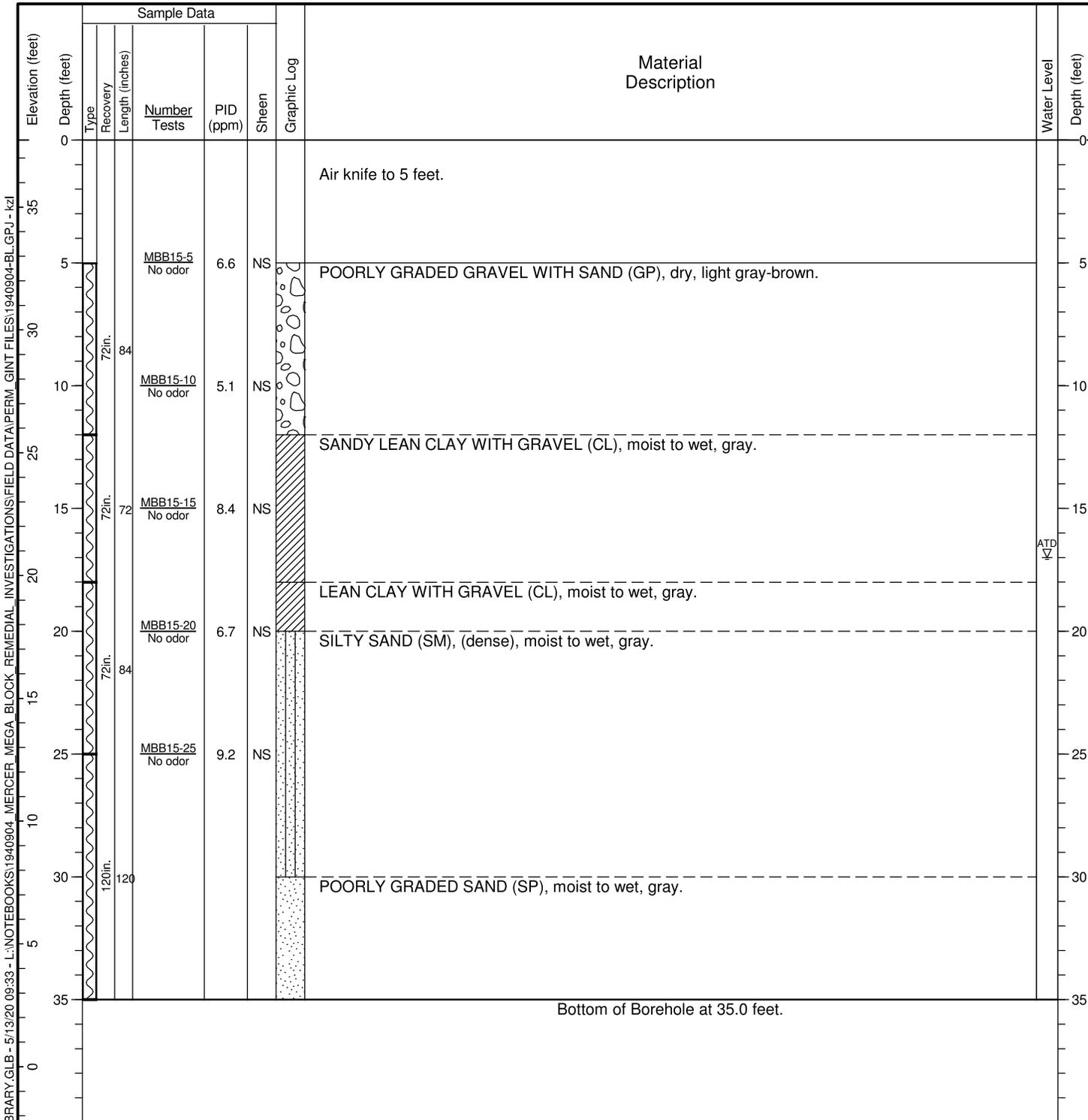


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Sonic Core Log  
**MBB-14**

Figure **A1-15**  
 Sheet **1 of 1**

Date Started: 3/4/20 Date Completed: 3/4/20 Drilling Contractor/Crew: Cascade Drilling, L.P.  
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic  
 Location: Lat: 47.625056 Long: -122.339953 (WGS 84) Rig Model/Type: TSi 150CC  
 Ground Surface Elevation: 37.73 feet (NAVD 88) Hammer Type:  
 Comments: Temporary well screen set at a depth of 30 and 35 feet. Hammer Weight (pounds): Hammer Drop Height (inches):  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 6 inches Casing Diameter: NA  
 Total Depth: 35 feet Depth to Groundwater: 17 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

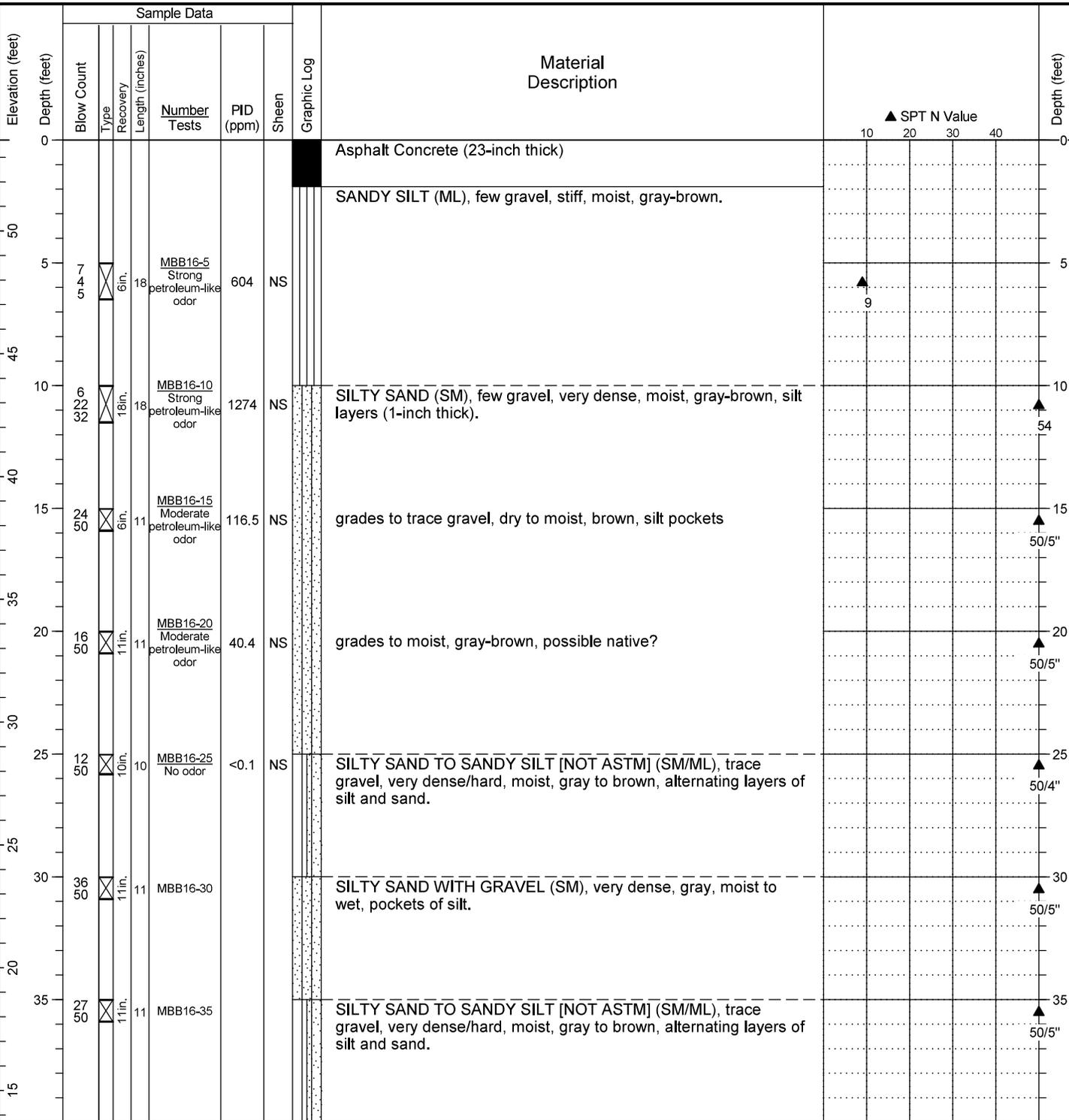


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Sonic Core Log  
**MBB-15**

Figure **A1-16**  
 Sheet **1 of 1**

Date Started: 9/2/20 Date Completed: 9/2/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625207 Long: -122.341790 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 53.7 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Temporary well screen set at a depth of 30 and 40 feet. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: NA  
 Total Depth: 40.4 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



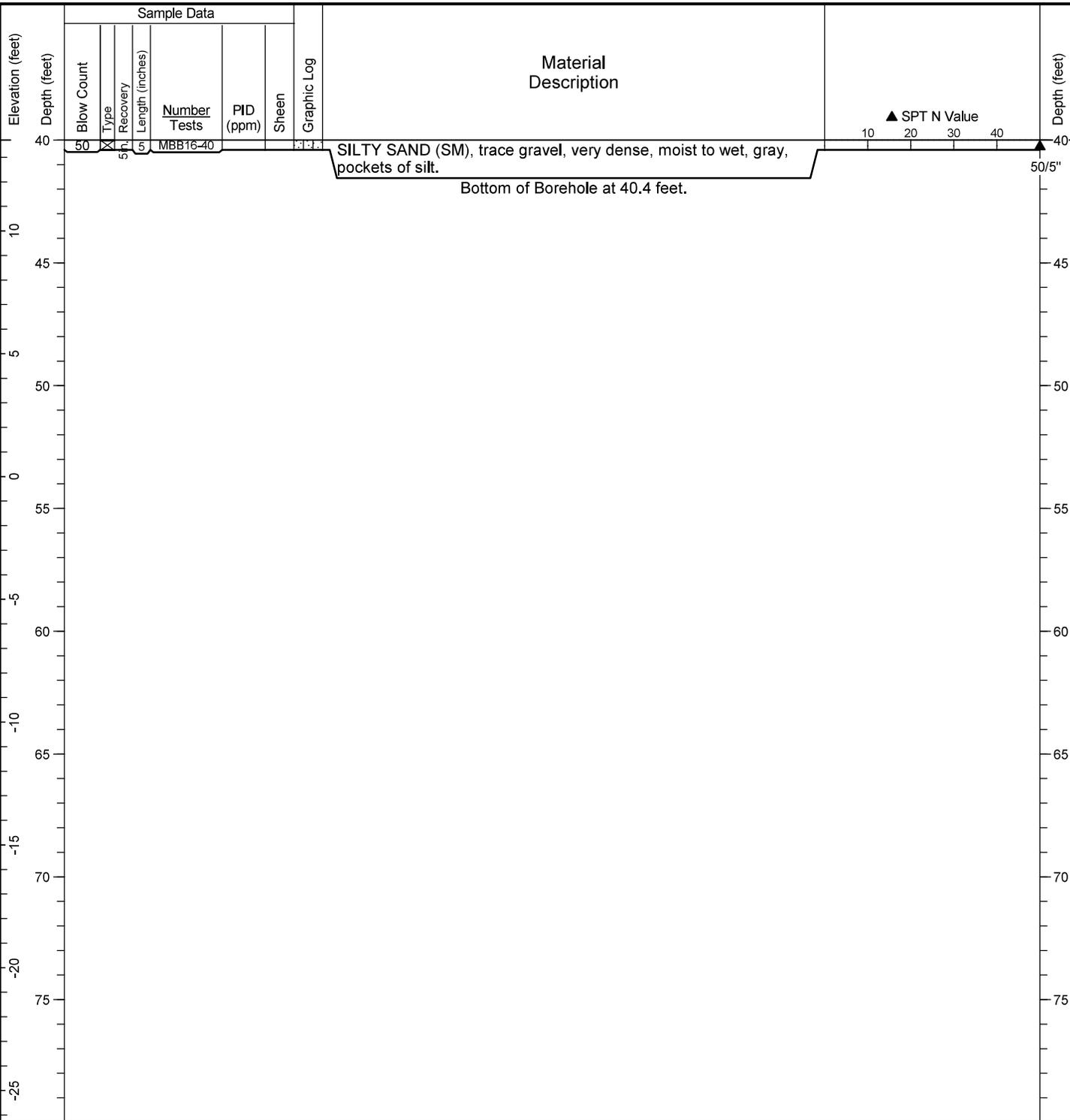
Project: Seattle DOT Mercer Parcels Site  
 Location: Seattle, Washington  
 Project No.: 19409-04

Boring Log  
**MBB-16**

Figure **A1-17**  
 Sheet 1 of 2

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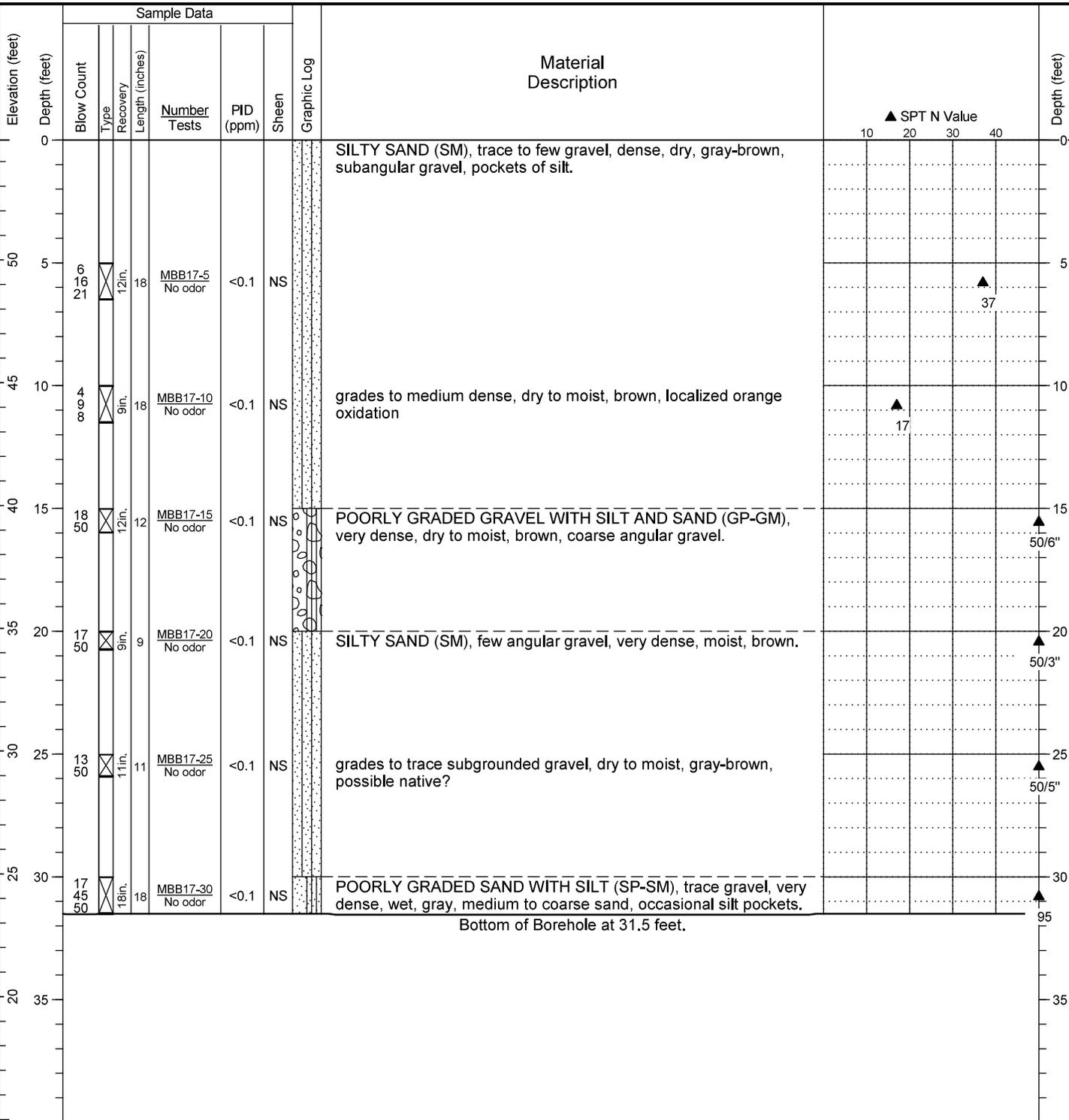
Date Started: 9/2/20 Date Completed: 9/2/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625207 Long: -122.341790 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 53.7 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Temporary well screen set at a depth of 30 and 40 feet. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: NA  
 Total Depth: 40.4 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

Date Started: 9/1/20 Date Completed: 9/1/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624907 Long: -122.341591 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 54.88 feet (NAVD 88) Hammer Type: Auto-hammer  
 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Comments: Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: NA  
 Total Depth: 31.5 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



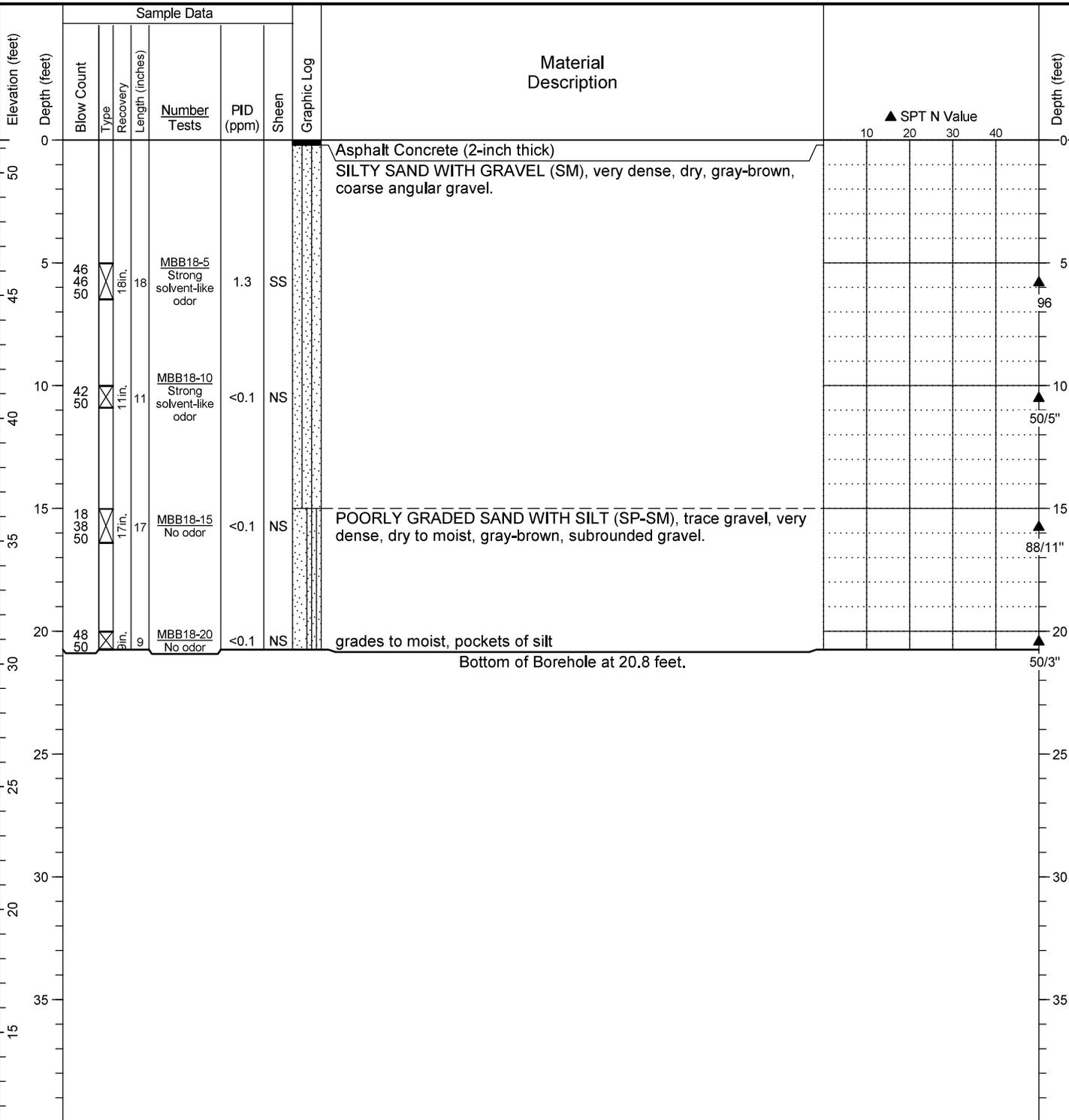
Project: Seattle DOT Mercer Parcels Site  
 Location: Seattle, Washington  
 Project No.: 19409-04

Boring Log  
**MBB-17**

Figure **A1-18**  
 Sheet 1 of 1

HC BORING LOG - F:\GINT\HC\_LIBRARY\GLB - 12/15/20 11:47 - G:\GEO\SPATIAL\_LIBRARY\MASTER\_PROJECT\_FILES\MERCER\_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

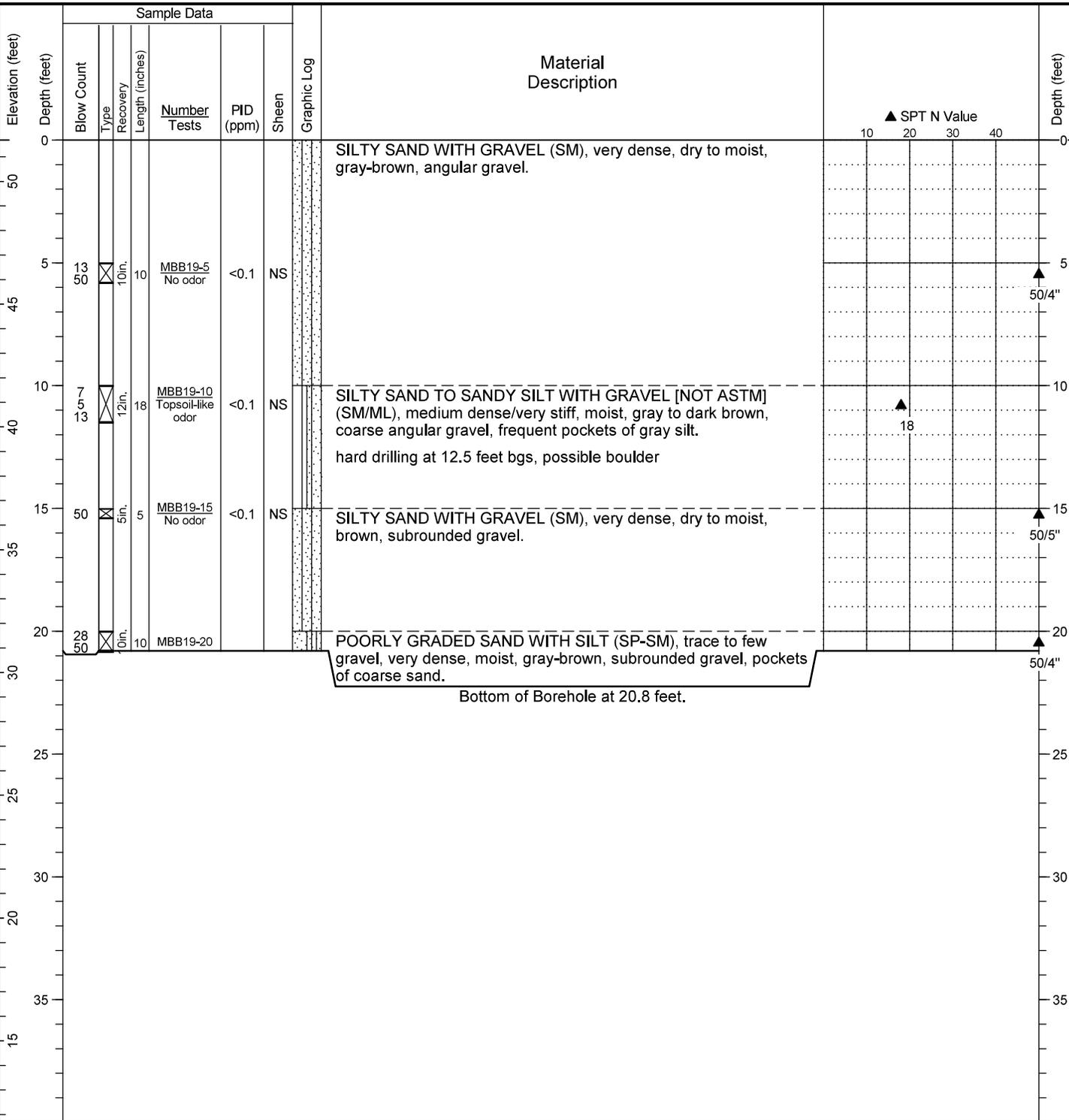
Date Started: 9/1/20 Date Completed: 9/1/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625034 Long: -122.341303 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 51.33 feet (NAVD 88) Hammer Type: Auto-hammer  
 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Comments: Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: NA  
 Total Depth: 20.75 feet Depth to Groundwater: Not Identified



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

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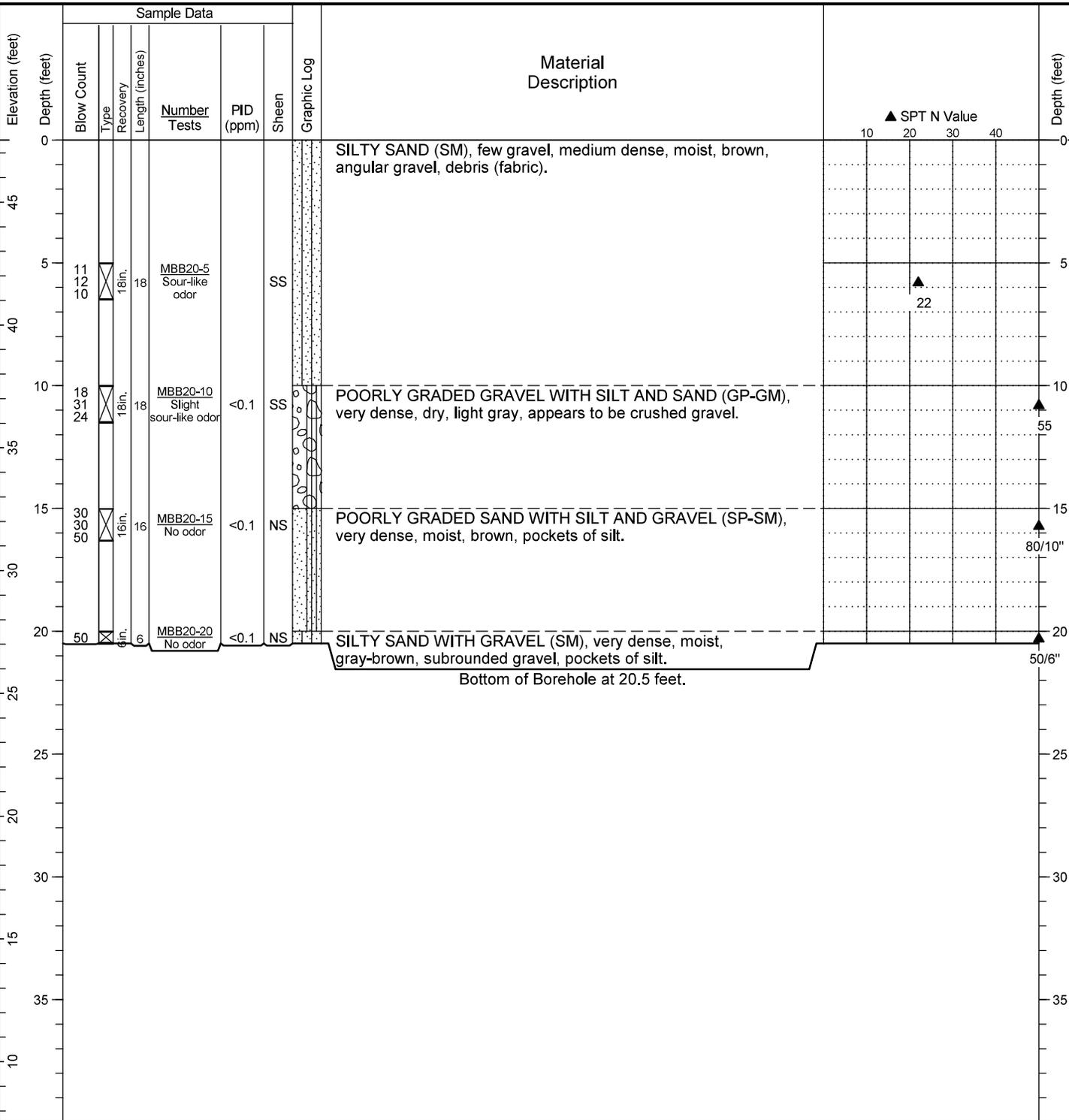
Date Started: 9/1/20 Date Completed: 9/1/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624922 Long: -122.341258 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 51.68 feet (NAVD 88) Hammer Type: Auto-hammer  
 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Comments: Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: NA  
 Total Depth: 20.8 feet Depth to Groundwater: Not Identified



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

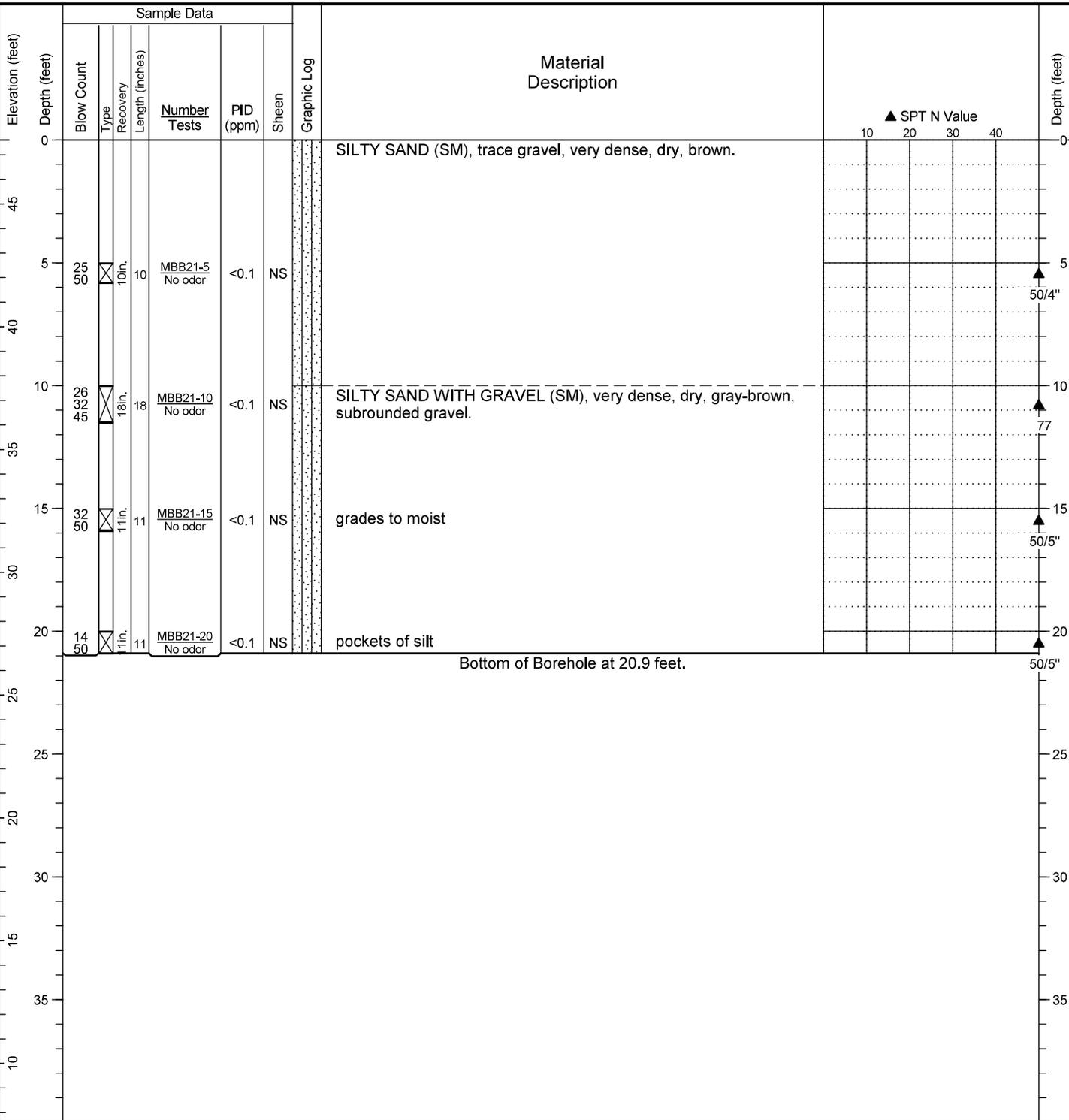
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Date Started: 9/2/20 Date Completed: 9/2/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625195 Long: -122.340868 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 47.53 feet (NAVD 88) Hammer Type: Auto-hammer  
 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Comments: Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: NA  
 Total Depth: 20.5 feet Depth to Groundwater: Not Identified



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

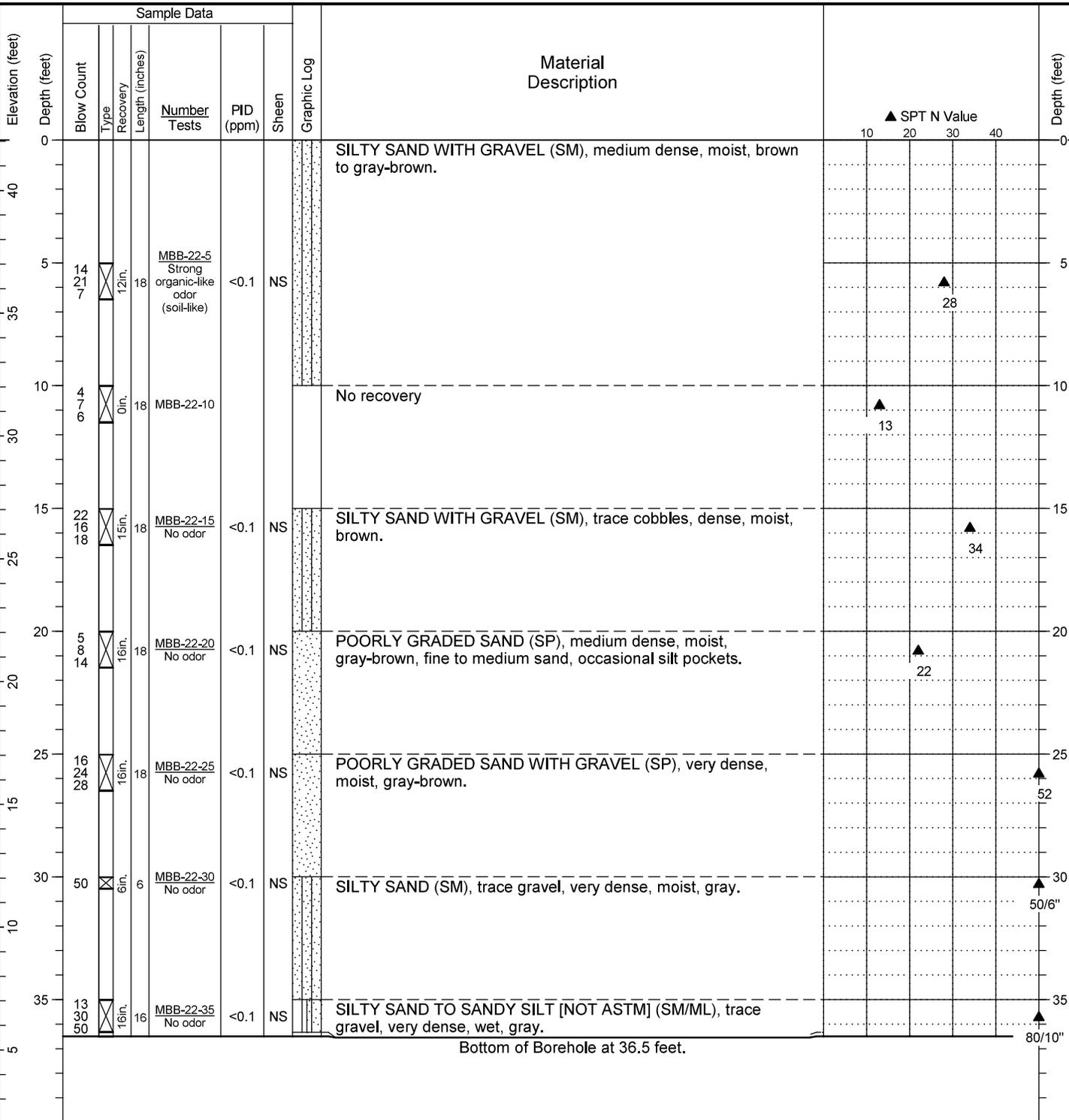
Date Started: 9/2/20 Date Completed: 9/2/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624858 Long: -122.340822 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 47.6 feet (NAVD 88) Hammer Type: Auto-hammer  
 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Comments: Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: NA  
 Total Depth: 20.9 feet Depth to Groundwater: Not Identified



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

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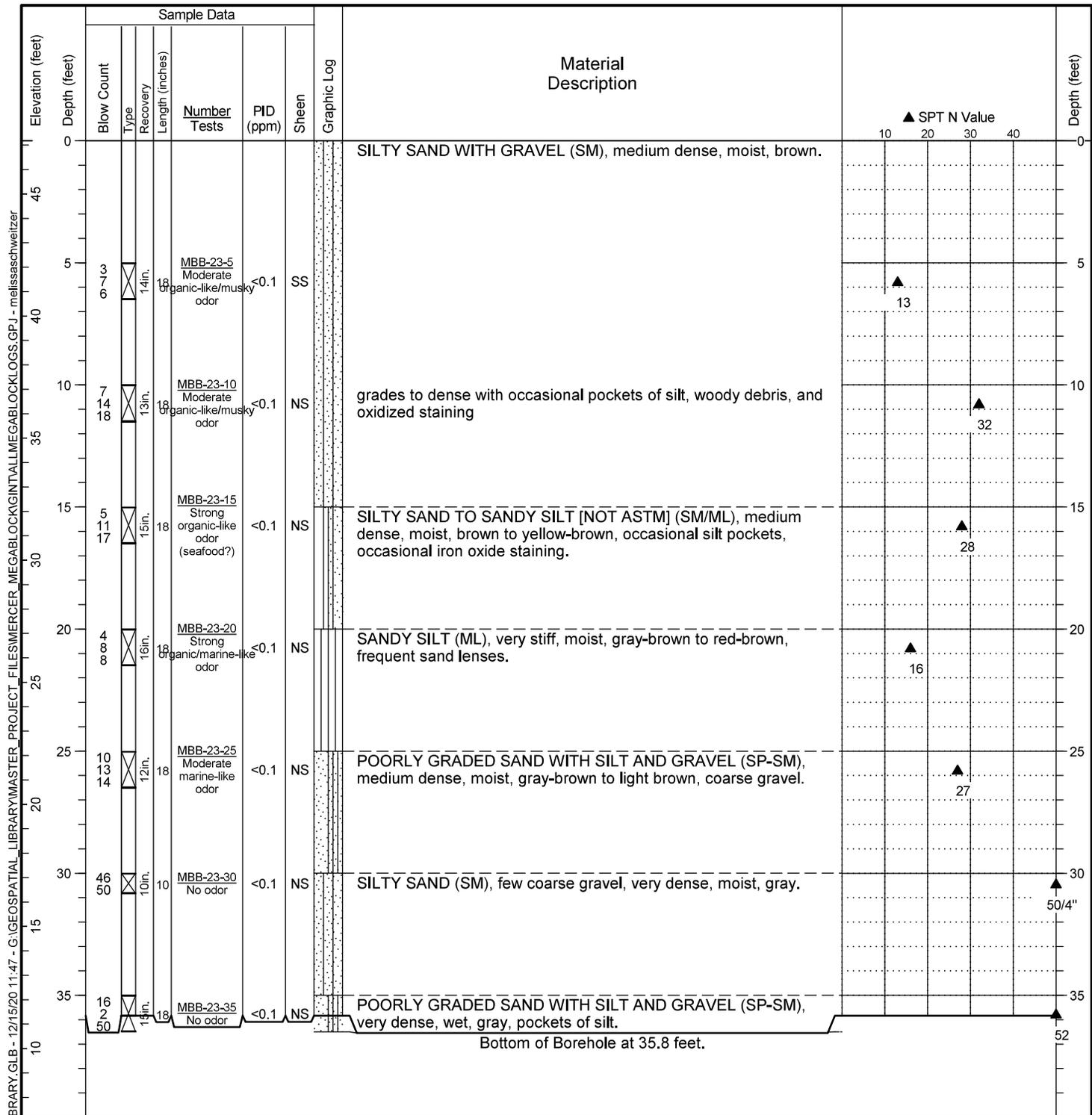
Date Started: 9/21/20 Date Completed: 9/21/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Mike  
 Logged by: B. Lytle Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625051 Long: -122.340542 (WGS 84) Rig Model/Type: Mobile B-58 / Track-mounted drill rig  
 Ground Surface Elevation: 42.05 feet (NAVD 88) Hammer Type: Auto-hammer  
 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Comments: Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: NA  
 Total Depth: 36.5 feet Depth to Groundwater: Not Identified



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

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Date Started: 9/21/20 Date Completed: 9/21/20  
 Logged by: B. Lytle Checked by:  
 Location: Lat: 47.625189 Long: -122.340574 (WGS 84)  
 Ground Surface Elevation: 47.18 feet (NAVD 88)  
 Comments:  
 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Mike  
 Drilling Method: Hollow Stem Auger  
 Rig Model/Type: Mobile B-59 / Track-mounted drill rig  
 Hammer Type: Auto-hammer  
 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: NA  
 Total Depth: 35.83 feet Depth to Groundwater: Not Identified



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.



Project: Seattle DOT Mercer Parcels Site  
 Location: Seattle, Washington  
 Project No.: 19409-04

Boring Log  
**MBB-23**

Figure **A1-24**  
 Sheet 1 of 1

HC BORING LOG - F:\GINT\HC\_LIBRARY\GLB - 12/15/20 11:47 - G:\GEO.SPATIAL\_LIBRARY\MASTER\_PROJECT\_FILES\MERCER\_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Date Started: 9/9/20 Date Completed: 9/9/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625039 Long: -122.341833 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 54.1 feet (NAVD 88) Hammer Type: Auto-hammer  
 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Comments: Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: NA  
 Total Depth: 40.4 feet Depth to Groundwater: Not Identified

Elevation (feet)	Depth (feet)	Sample Data					Graphic Log	Material Description	▲ SPT N Value				Depth (feet)
		Blow Count	Type	Recovery Length (inches)	Number Tests	PID (ppm)			Sheen	10	20	30	
0	0							Concrete (8-inch thick)					0
								SILTY SAND (SM), very dense, moist, brown, fine sand, localized oxidation.					
5	5	12 22 34	18in.	18	MBB24-5 No odor	<0.1	NS						56
10	10	3 30 50	17in.	17	MBB24-10 No odor	<0.1	NS	SILTY SAND WITH GRAVEL (SM), very dense, moist, gray-brown, coarse angular gravel.					80/11"
15	15	5 18 38	18in.	18	MBB24-15 Moderate hydrocarbon-like odor	346	NS	SANDY SILT (ML), hard, moist, gray-brown, scattered pockets and seams of fine to medium sand.					56
20	20	12 34 50	12in.	16	MBB24-20 Faint musty/hydrocarbon-like odor	1.1	NS	POORLY GRADED SAND WITH SILT (SP-SM), very dense, moist, gray, occasional pockets of silt.					84/10"
25	25	30 50	10in.	10	MBB24-25 No odor	34.6	NS	SILTY SAND WITH GRAVEL (SM), very dense, moist, gray-brown.					50/4"
30	30	34 50	12in.	12	MBB24-30 Musty odor		NS	POORLY GRADED SAND WITH SILT (SP-SM), very dense, moist to wet, gray, occasional pockets of silt.					50/6"
35	35	36 50	10in.	10	MBB24-35 No odor	6.4	NS	grades to trace gravel					50/4"

General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

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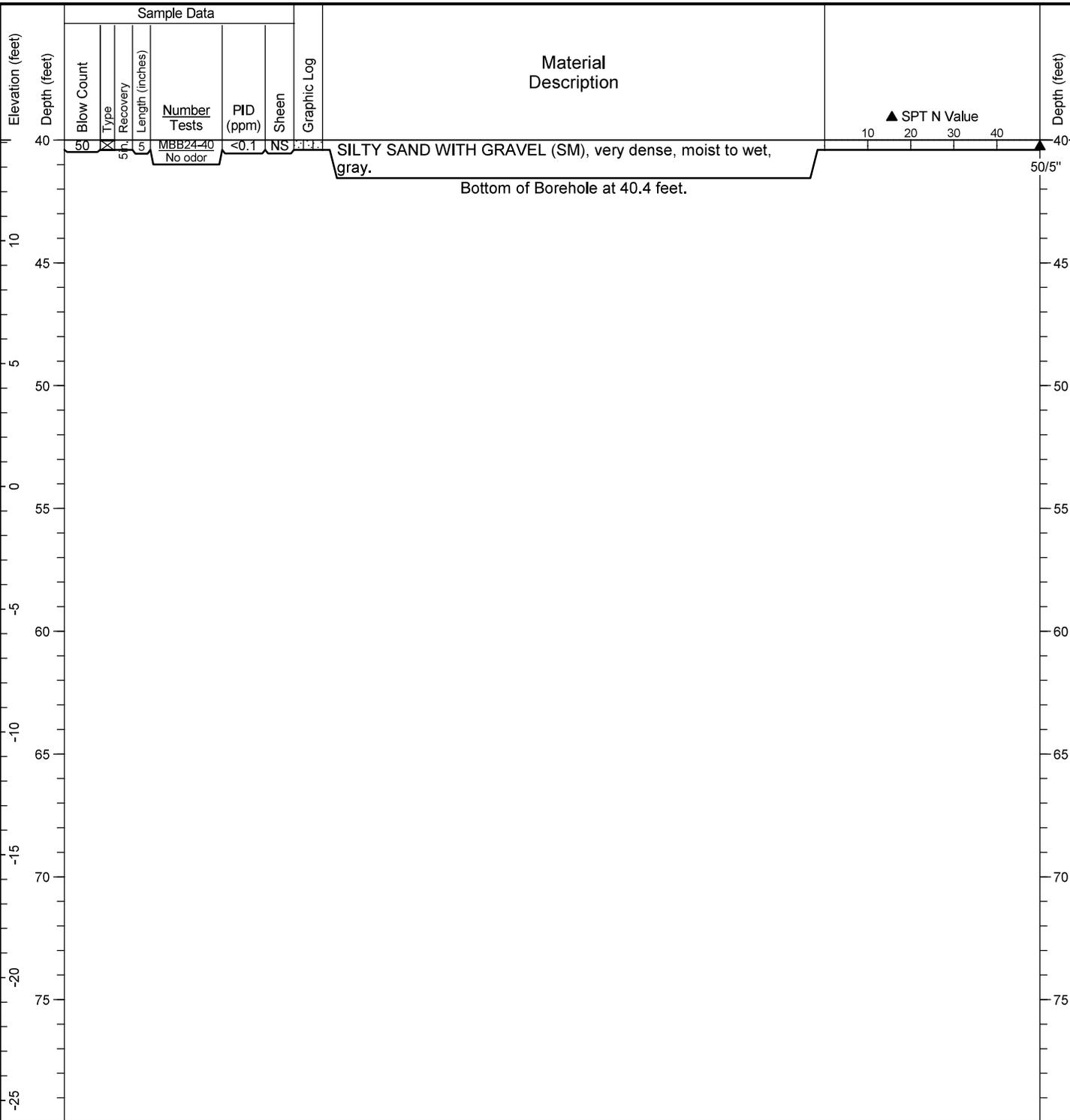


Project: Seattle DOT Mercer Parcels Site  
 Location: Seattle, Washington  
 Project No.: 19409-04

Boring Log  
**MBB-24**

Figure **A1-25**  
 Sheet 1 of 2

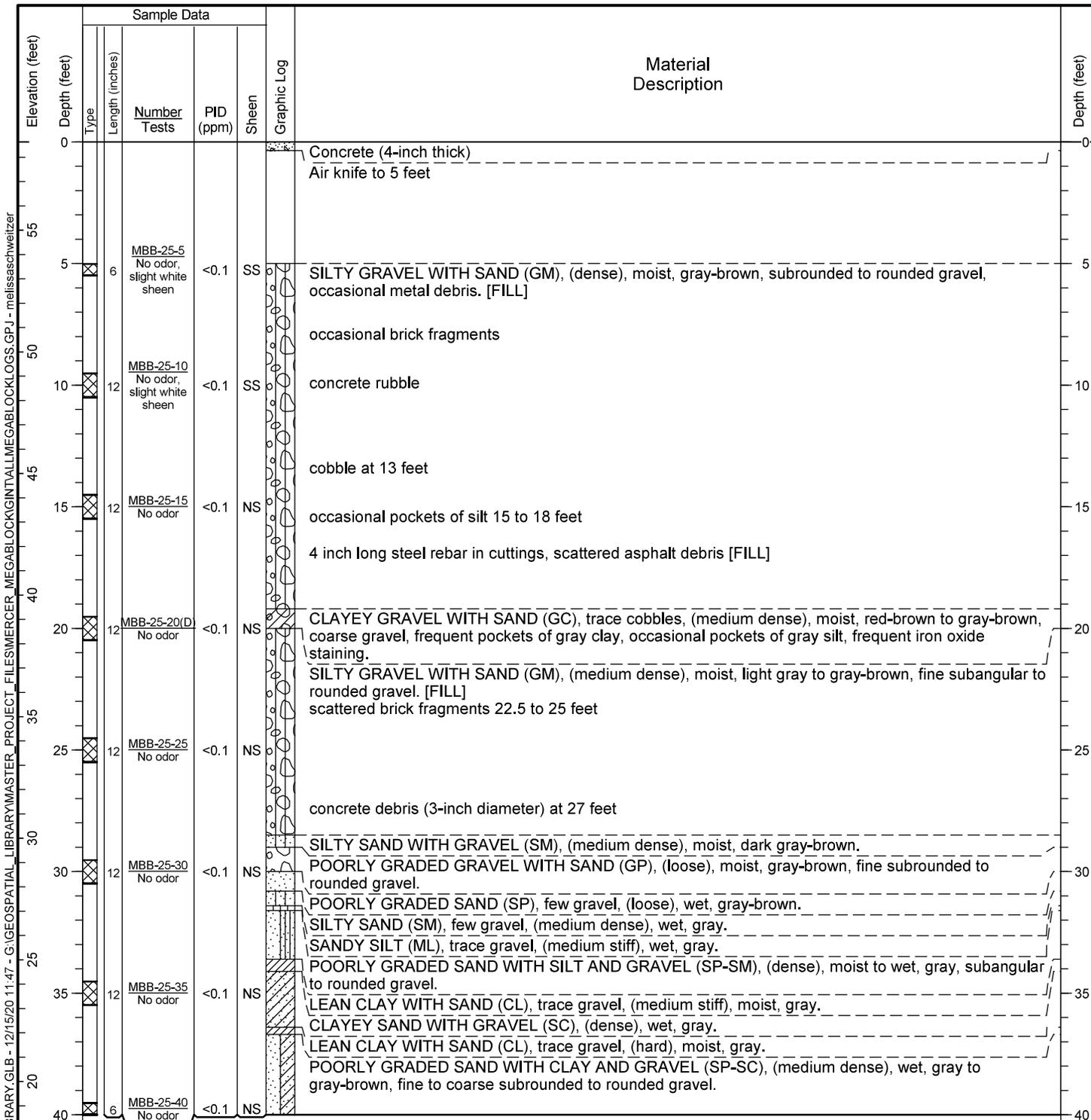
Date Started: 9/9/20 Date Completed: 9/9/20 Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin  
 Logged by: C. McCabe Checked by: Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625039 Long: -122.341833 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig  
 Ground Surface Elevation: 54.1 feet (NAVD 88) Hammer Type: Auto-hammer  
 Comments: Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: NA  
 Total Depth: 40.4 feet Depth to Groundwater: Not Identified



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

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Date Started: 10/30/20 Date Completed: 10/30/20 Drilling Contractor/Crew: AEC / Jeffrey  
 Logged by: B. Lytle Checked by: Drilling Method: Sonic  
 Location: Lat: 47.624717 Long: -122.342160 (WGS 84) Rig Model/Type: TSi 150CC / Track-mounted drill rig  
 Ground Surface Elevation: 58.63 feet (NAVD 88) Hammer Type: NA  
 Comments: Temporary well screen set at a depth of 30 to 40 feet. Hammer Weight (pounds): NA Hammer Drop Height (inches): NA  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: NA  
 Total Depth: 40 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

Bottom of Borehole at 40.0 feet.



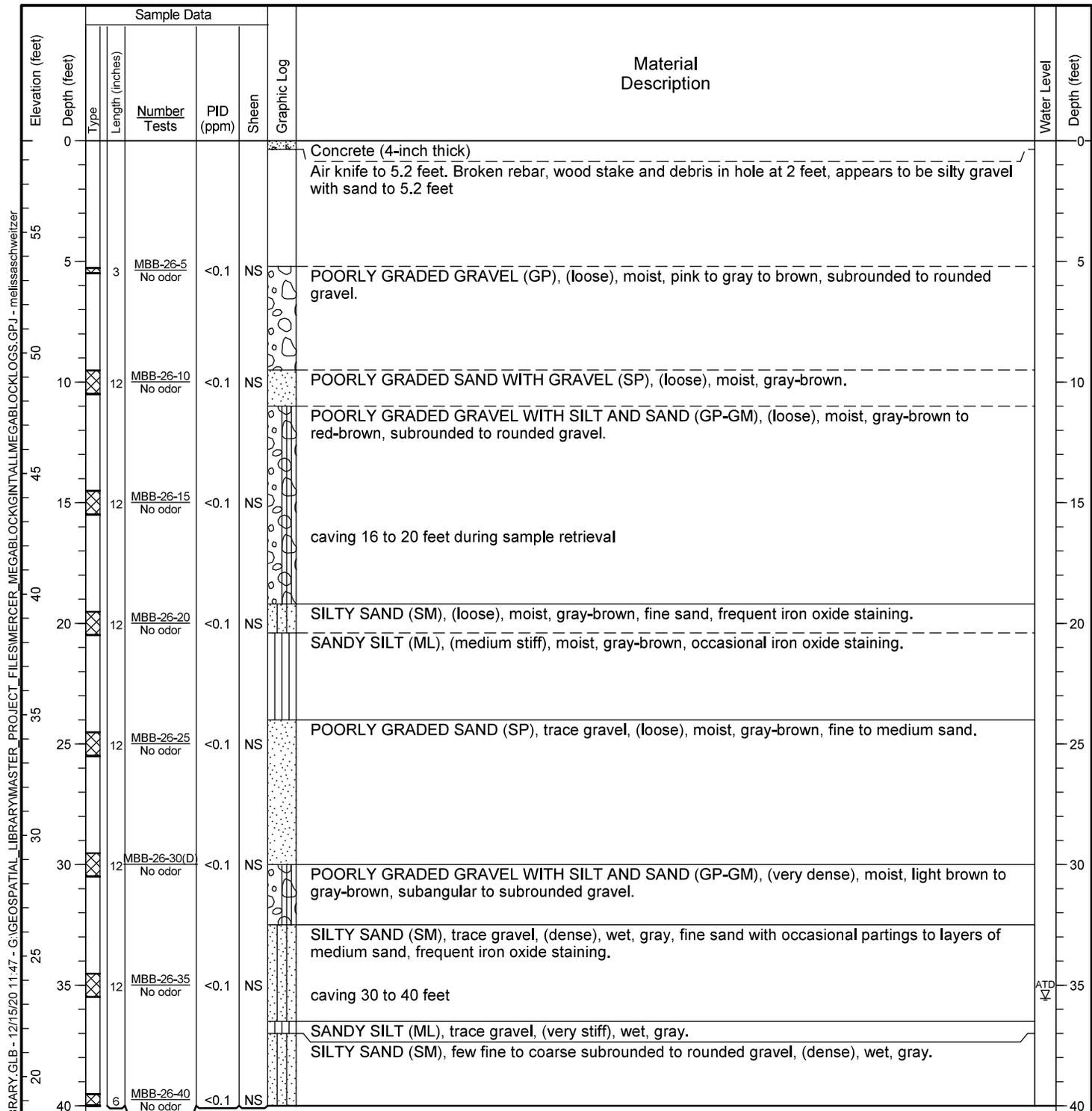
Project: Seattle DOT Mercer Parcels Site  
 Location: Seattle, Washington  
 Project No.: 19409-04

Sonic Core Log  
**MBB-25**

Figure **A1-26**  
 Sheet 1 of 1

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Date Started: 10/29/20 Date Completed: 10/29/20 Drilling Contractor/Crew: AEC / Jeffrey  
 Logged by: B. Lytle/J. Vanderwal Checked by: Drilling Method: Sonic  
 Location: Lat: 47.624650 Long: -122.342080 (WGS 84) Rig Model/Type: TSi 150CC / Track-mounted drill rig  
 Ground Surface Elevation: 58.79 feet (NAVD 88) Hammer Type: NA  
 Comments: Temporary well screen set at a depth of 30 to 40 feet. Hammer Weight (pounds): NA Hammer Drop Height (inches): NA  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 4 inches Casing Diameter: NA  
 Total Depth: 40 feet Depth to Groundwater: 35.55 feet

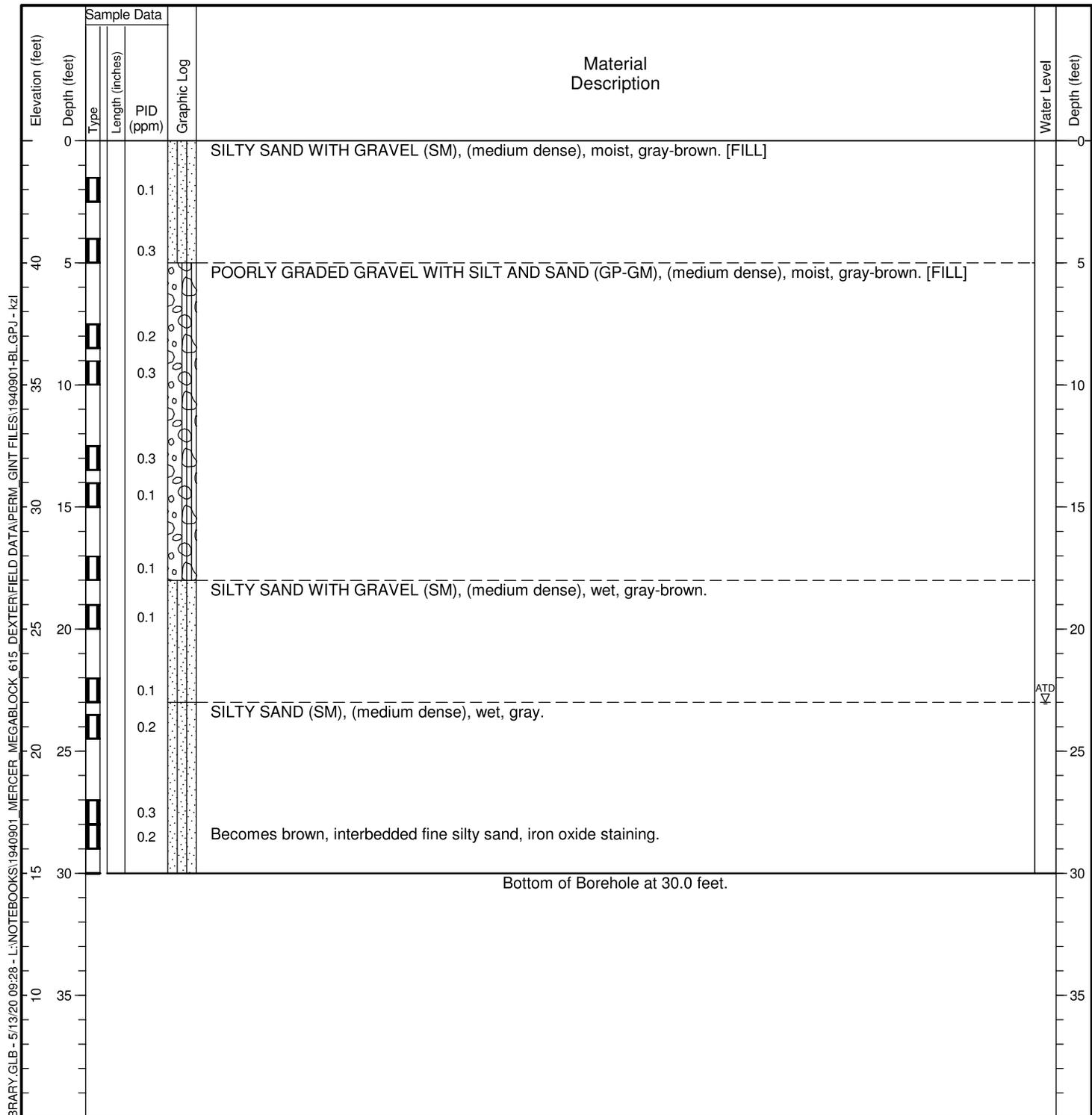


General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

Bottom of Borehole at 40.0 feet.

Date Started: 3/6/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: B. McDonald/B. Dozier Checked by: C. Kroskie Drilling Method: \_\_\_\_\_  
 Location: Lat: 47.625270 Long: -122.340357 Rig Model/Type: GeoProbe® 7822DT  
 Ground Surface Elevation: 45 feet Hammer Type: \_\_\_\_\_  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: \_\_\_\_\_ Casing Diameter: NA  
 Total Depth: 30 feet Depth to Groundwater: 23 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



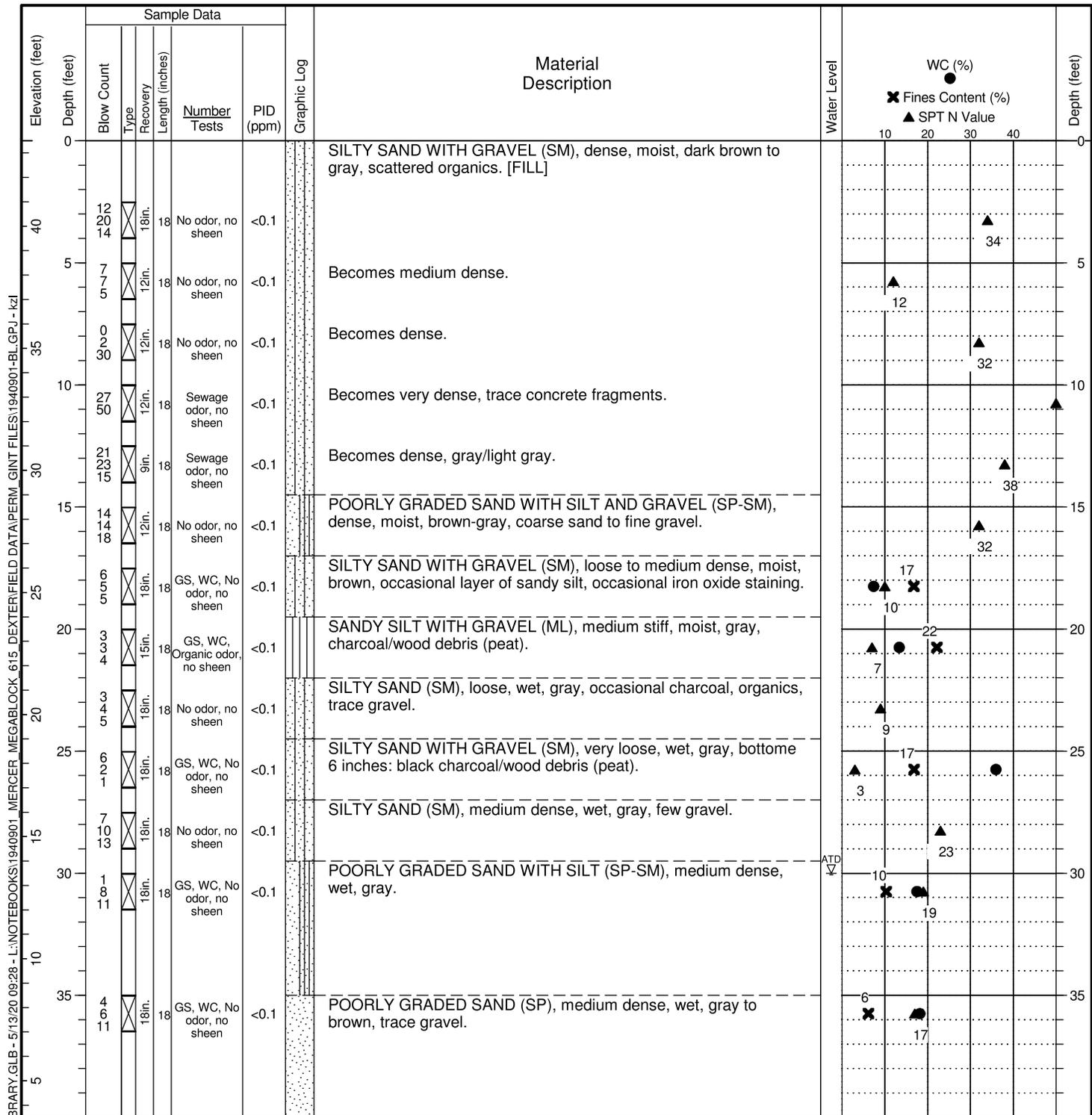
Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Push Probe Log  
**MBGW-1**

Figure **A1-17**  
 Sheet **1 of 1**

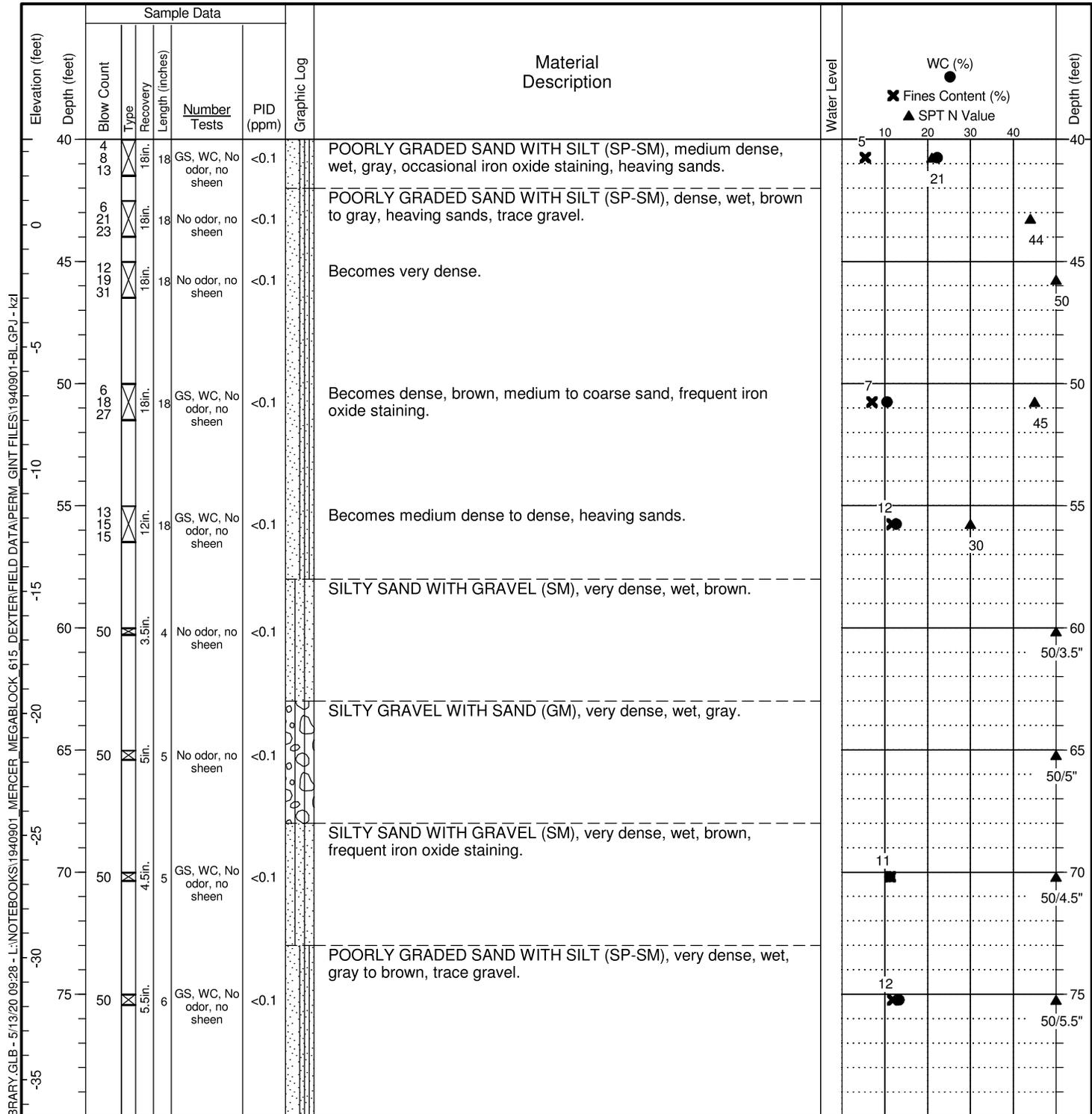
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Date Started: 3/4/19 Date Completed: 3/5/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: C. McCabe Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625154 Long: -122.340374 Rig Model/Type:  
 Ground Surface Elevation: 43.5 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 8.25 inches Casing Diameter: NA  
 Total Depth: 81 feet Depth to Groundwater: 30 feet



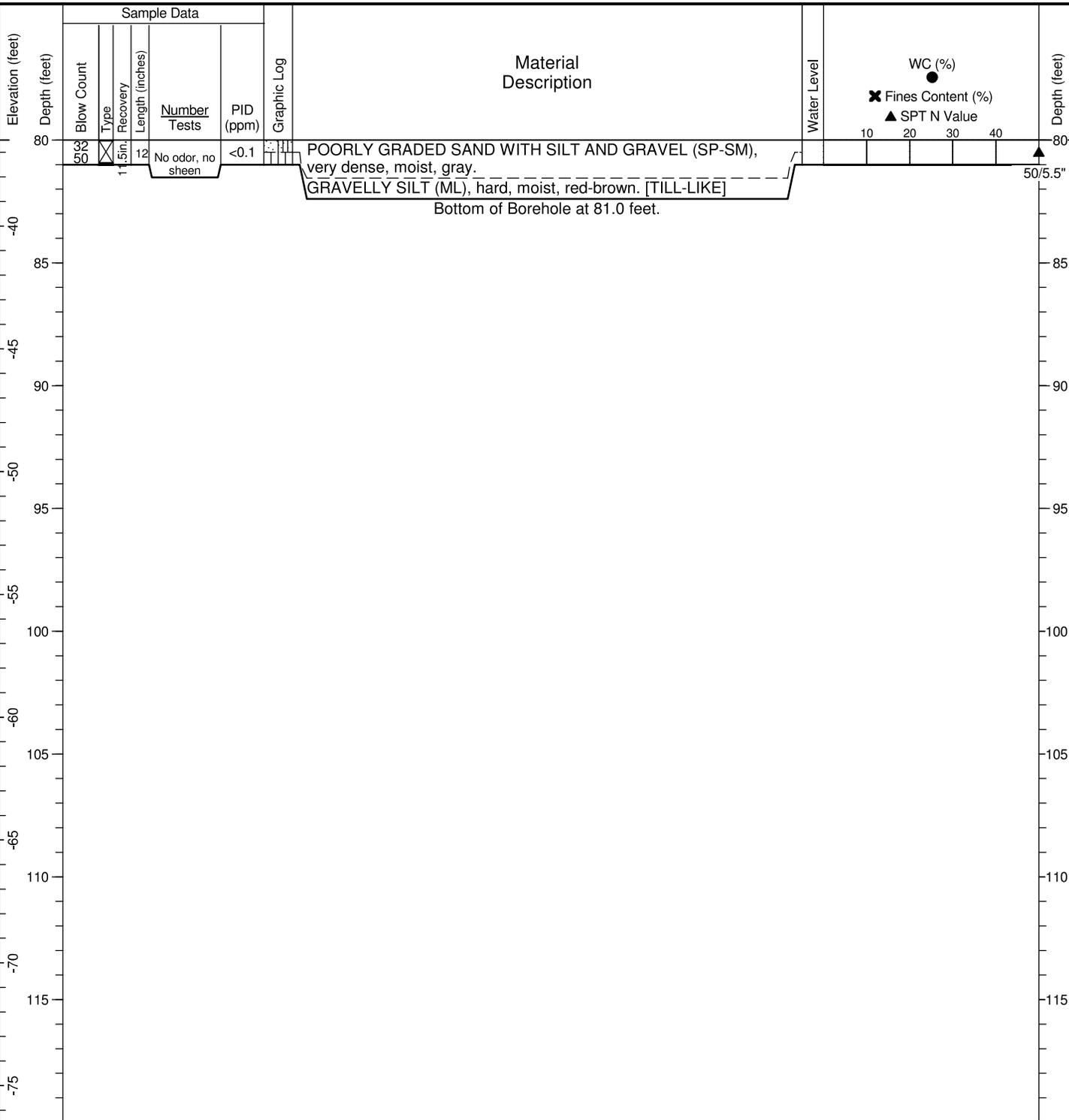
General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 3/4/19 Date Completed: 3/5/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: C. McCabe Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625154 Long: -122.340374 Rig Model/Type:  
 Ground Surface Elevation: 43.5 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 8.25 inches Casing Diameter: NA  
 Total Depth: 81 feet Depth to Groundwater: 30 feet



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

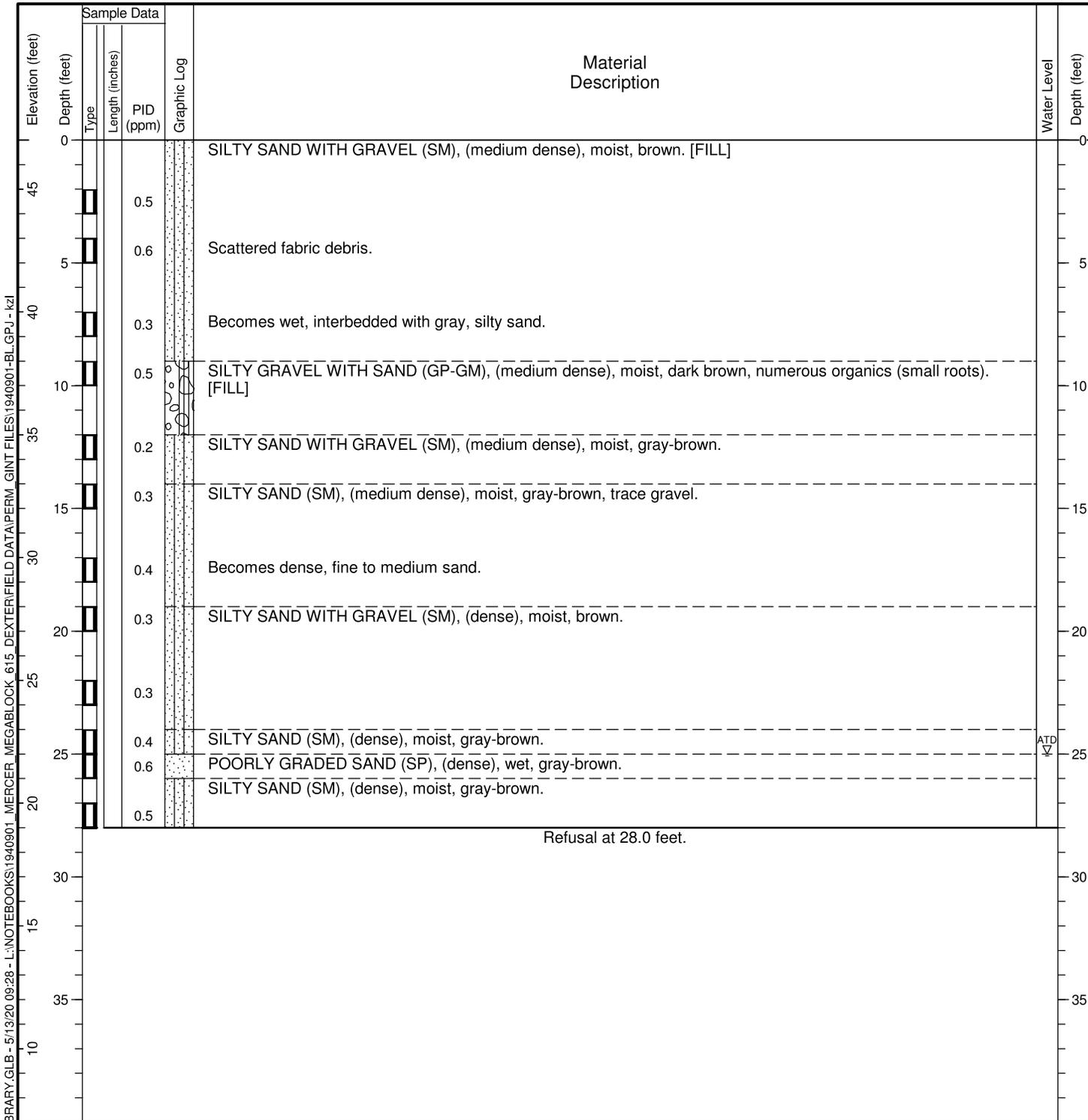
Date Started: 3/4/19 Date Completed: 3/5/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: C. McCabe Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625154 Long: -122.340374 Rig Model/Type: \_\_\_\_\_  
 Ground Surface Elevation: 43.5 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 8.25 inches Casing Diameter: NA  
 Total Depth: 81 feet Depth to Groundwater: 30 feet



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

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Date Started: 3/7/19 Date Completed: 3/7/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: B. McDonald/B. Dozier Checked by: C. Kroskie Drilling Method: \_\_\_\_\_  
 Location: Lat: 47.625180 Long: -122.340944 Rig Model/Type: GeoProbe® 7822DT  
 Ground Surface Elevation: 47 feet Hammer Type: \_\_\_\_\_  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: \_\_\_\_\_ Casing Diameter: NA  
 Total Depth: 28 feet Depth to Groundwater: 25 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



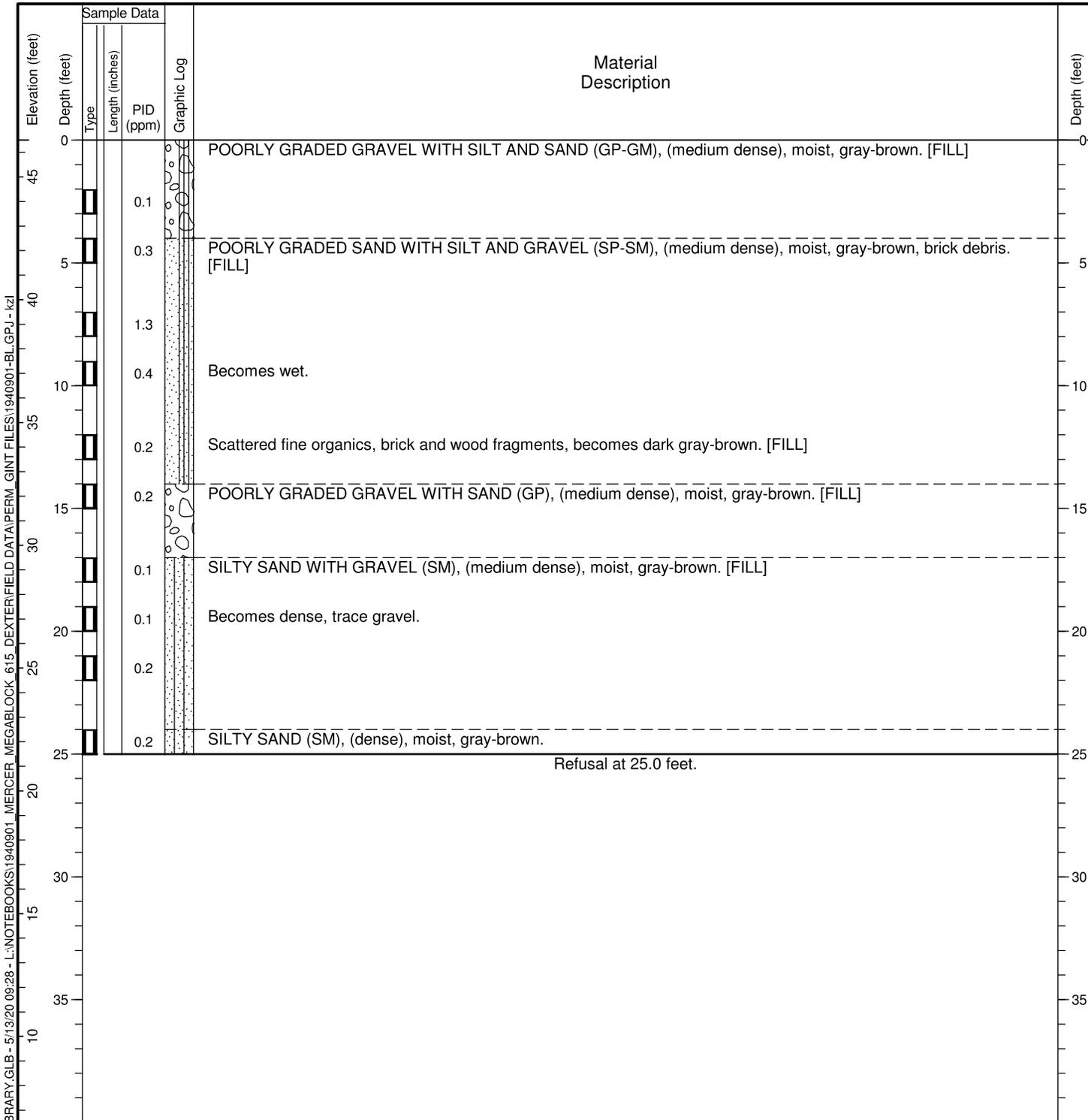
Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Push Probe Log  
**MBGW-3**

Figure **A1-19**  
 Sheet **1 of 1**

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:28 - L:\NOTEBOOKS\1940901 - MERCER MEGABLOCK 615 DEXTERFIELD DATA\PERM GINT FILES\1940901-BL-GPJ - kzl

Date Started: 3/6/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: B. McDonald/B. Dozier Checked by: C. Kroskie Drilling Method: \_\_\_\_\_  
 Location: Lat: 47.625180 Long: -122.340728 Rig Model/Type: GeoProbe® 7822DT  
 Ground Surface Elevation: 46.5 feet Hammer Type: \_\_\_\_\_  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: \_\_\_\_\_ Casing Diameter: NA  
 Total Depth: 25 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



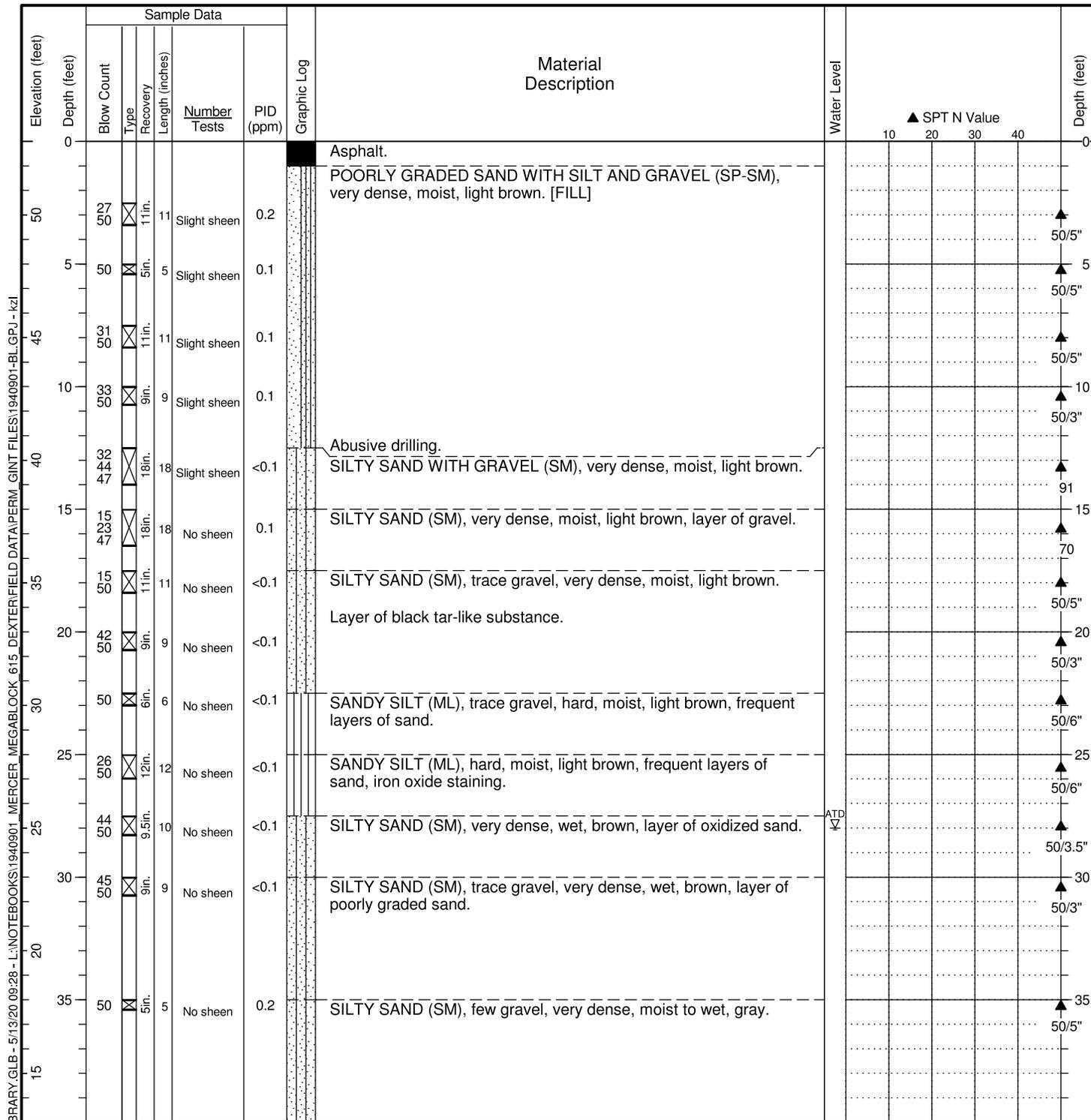
Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Push Probe Log  
**MBGW-4**

Figure **A1-20**  
 Sheet **1 of 1**

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:28 - L:\NOTEBOOKS\1940901 MERCER MEGABLOCK 615 DEXTERFIELD DATA\PERM\_GINT FILES\1940901-BL.GPJ - kzl

Date Started: 3/11/19 Date Completed: 3/11/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625164 Long: -122.341284 Rig Model/Type:  
 Ground Surface Elevation: 53 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: Casing Diameter: NA  
 Total Depth: 76.5 feet Depth to Groundwater: 28 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



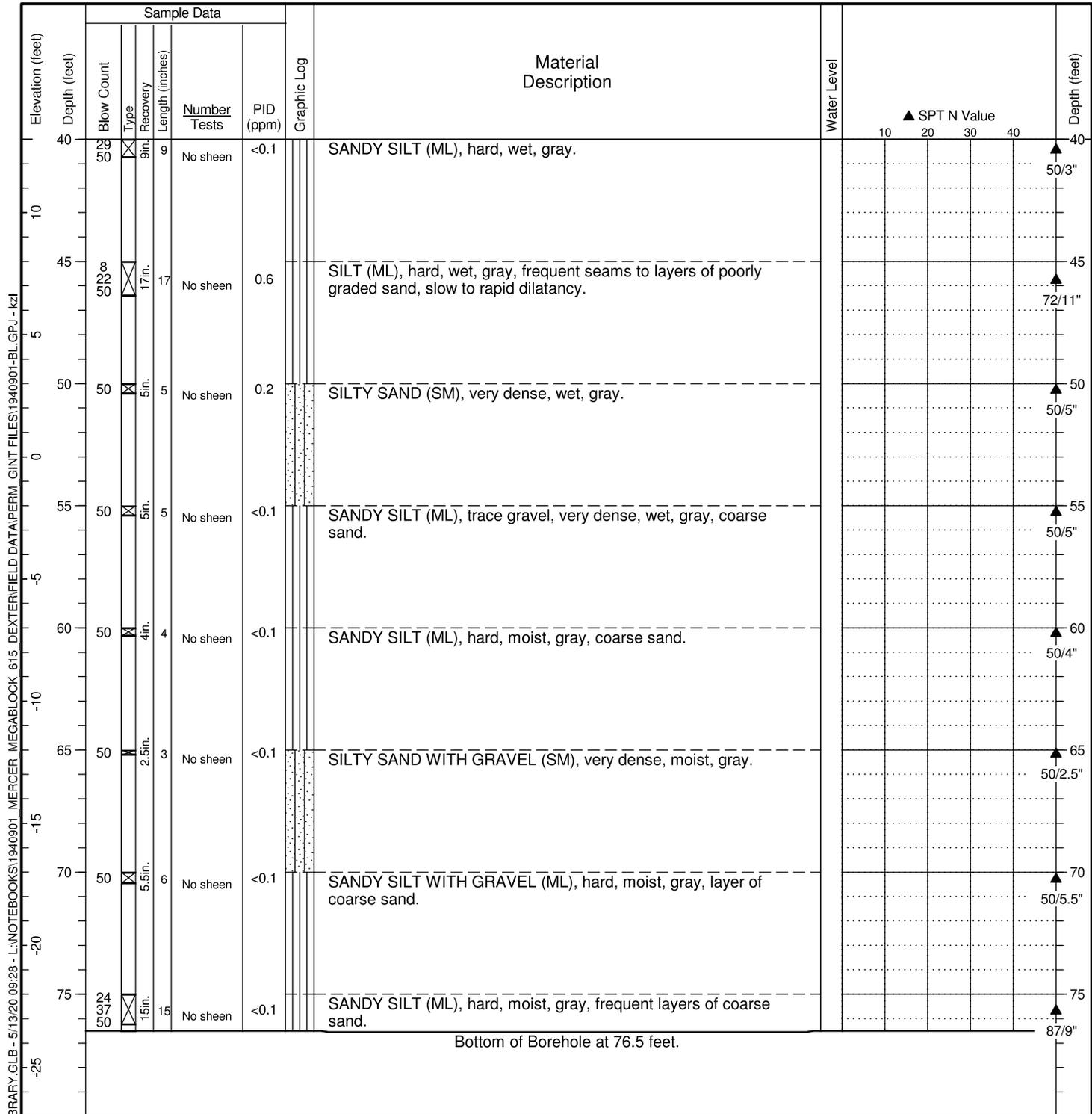
Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Boring Log  
**MBGW-5**

Figure **A1-21**  
 Sheet 1 of 2

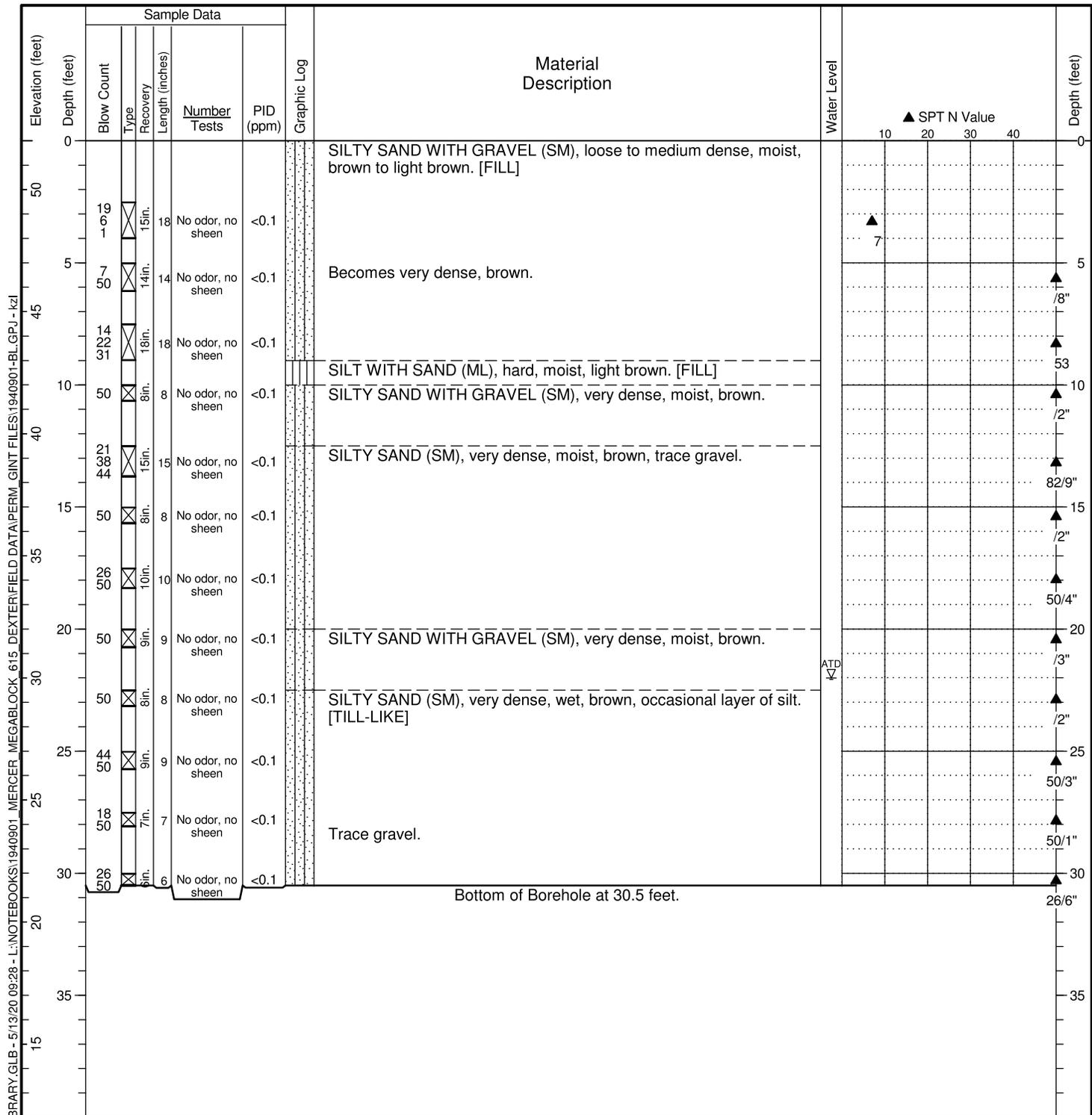
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Date Started: 3/11/19 Date Completed: 3/11/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625164 Long: -122.341284 Rig Model/Type:  
 Ground Surface Elevation: 53 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: Casing Diameter: NA  
 Total Depth: 76.5 feet Depth to Groundwater: 28 feet



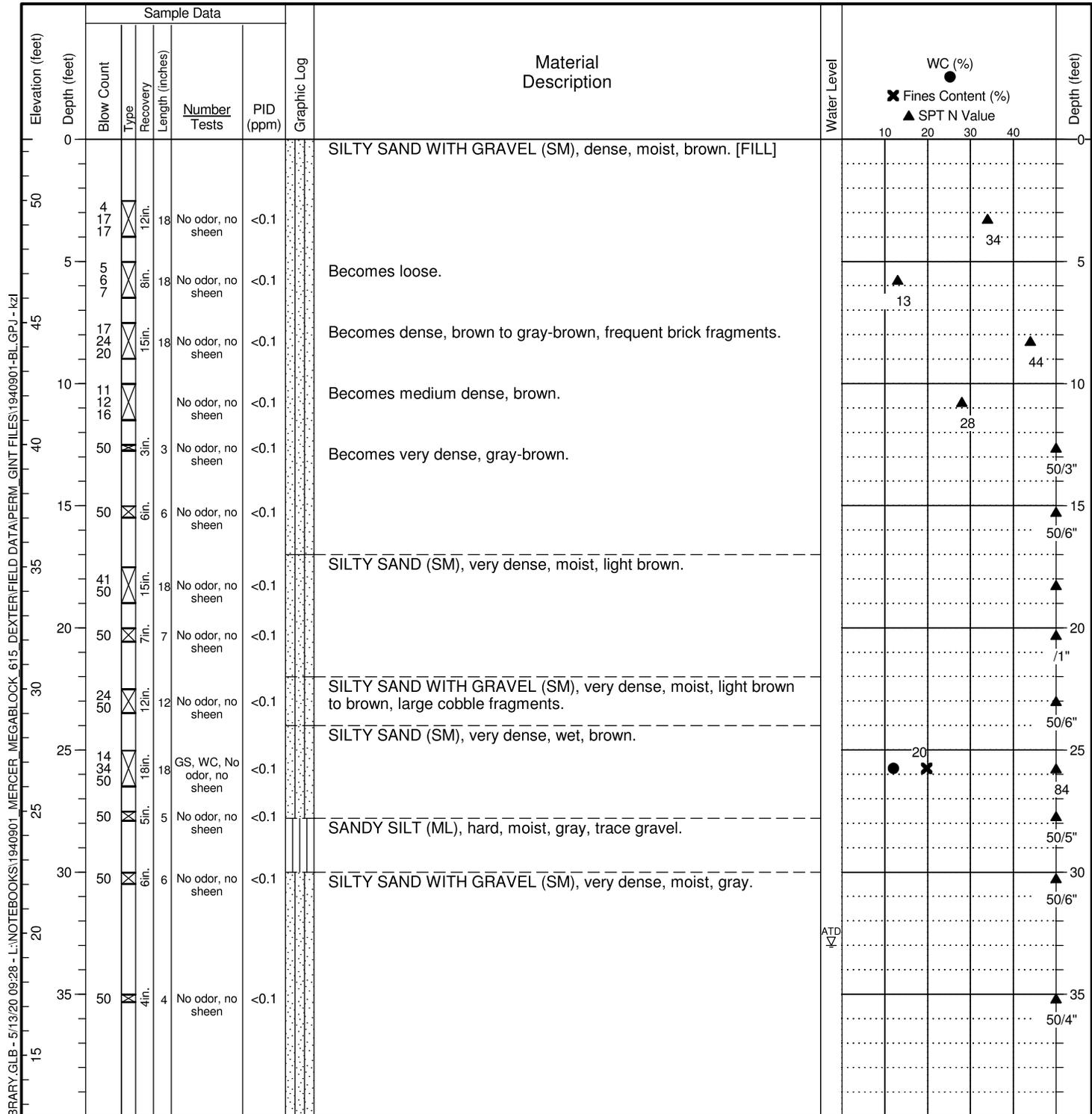
General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 3/14/19 Date Completed: 3/14/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: M. Shaljian Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625189 Long: -122.341668 Rig Model/Type: CME-75  
 Ground Surface Elevation: 52 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: Casing Diameter: NA  
 Total Depth: 30.5 feet Depth to Groundwater: 22 feet



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 3/6/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: M. Shaljian Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624996 Long: -122.341667 Rig Model/Type: CME-85  
 Ground Surface Elevation: 52.5 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 8.25 inches Casing Diameter: NA  
 Total Depth: 75.3 feet Depth to Groundwater: 33 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



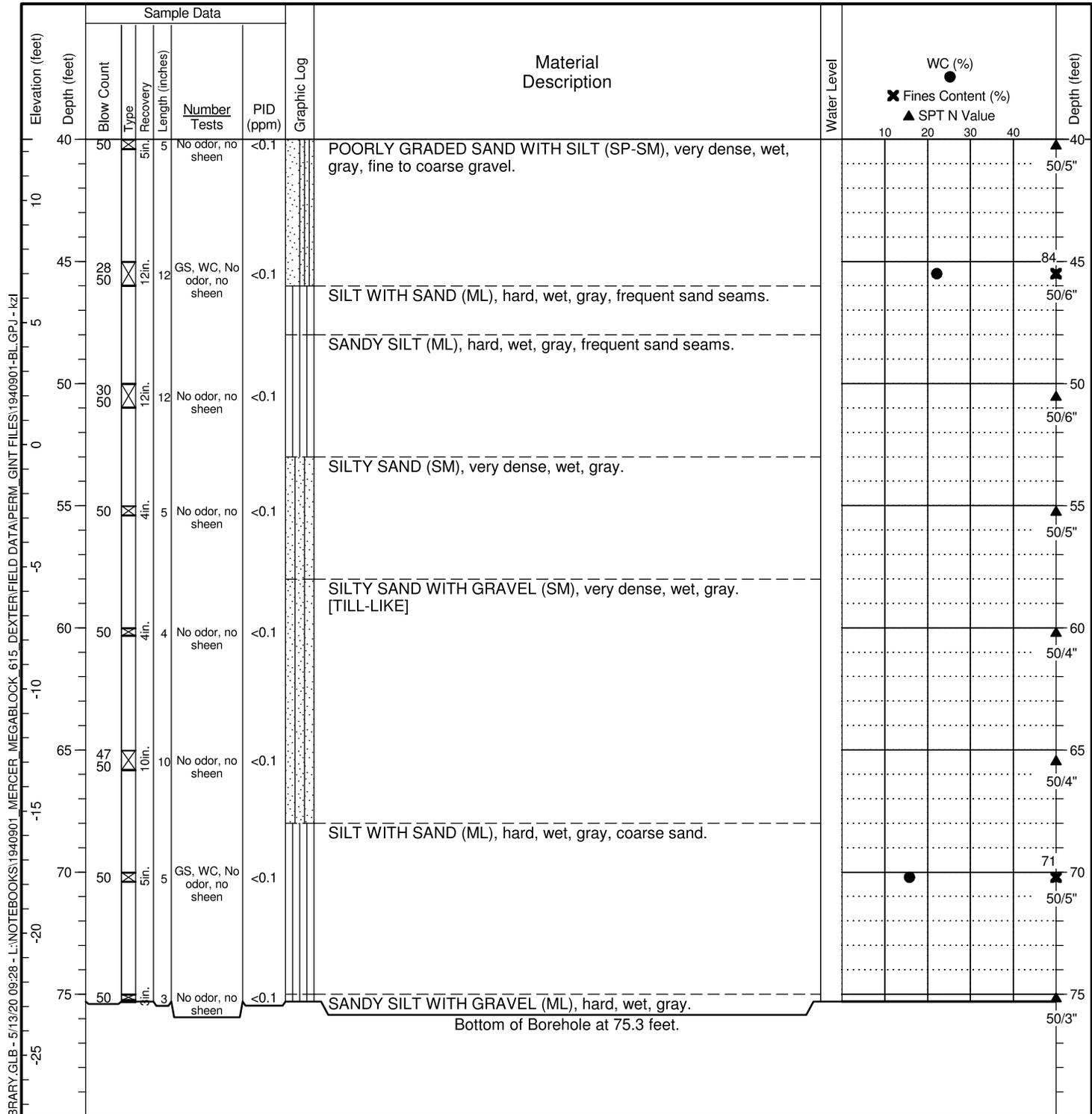
Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Boring Log  
**MBGW-7**

Figure **A1-23**  
 Sheet 1 of 2

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Date Started: 3/6/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: M. Shaljian Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624996 Long: -122.341667 Rig Model/Type: CME-85  
 Ground Surface Elevation: 52.5 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 8.25 inches Casing Diameter: NA  
 Total Depth: 75.3 feet Depth to Groundwater: 33 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

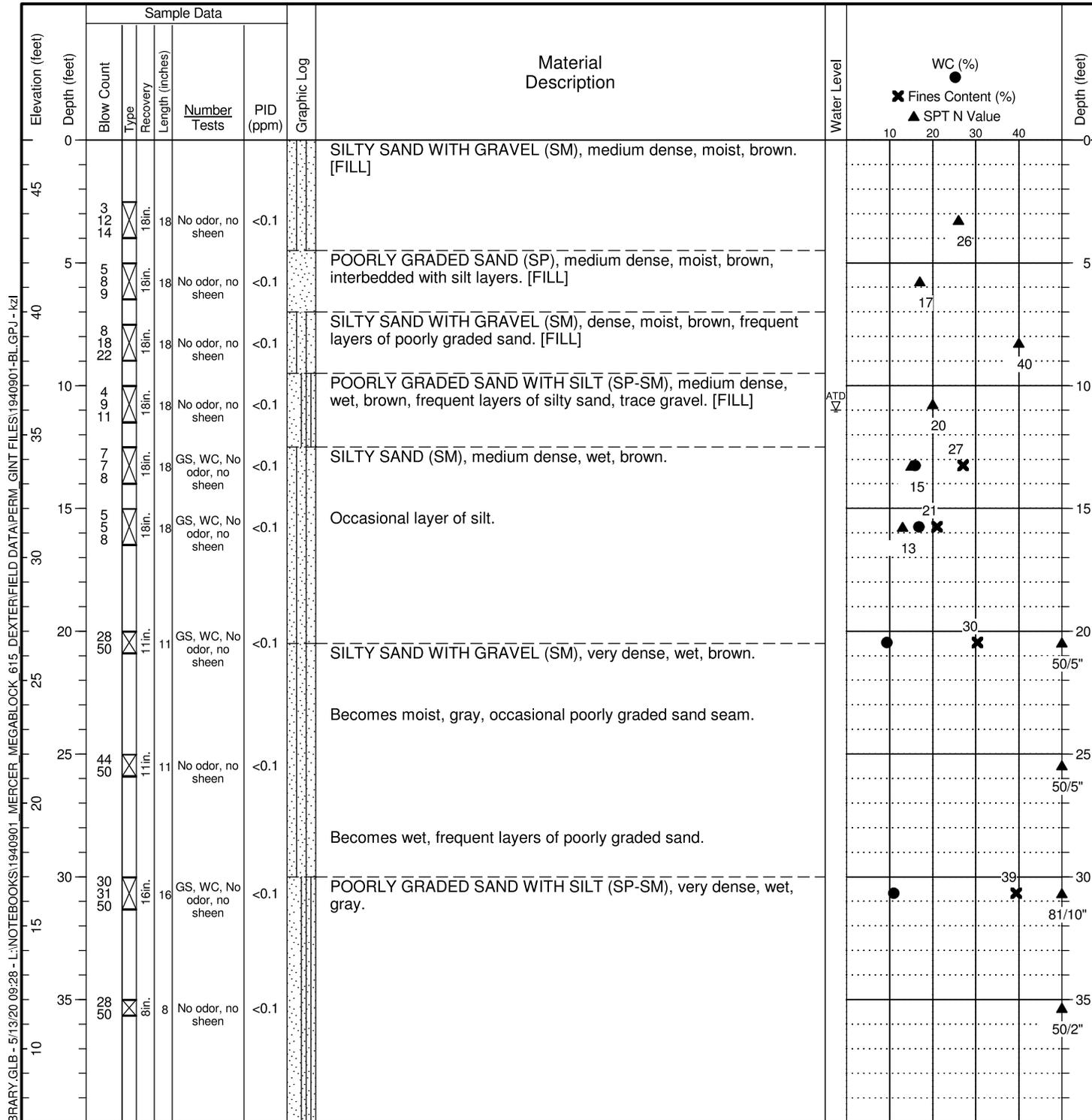


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Boring Log  
 MBGW-7

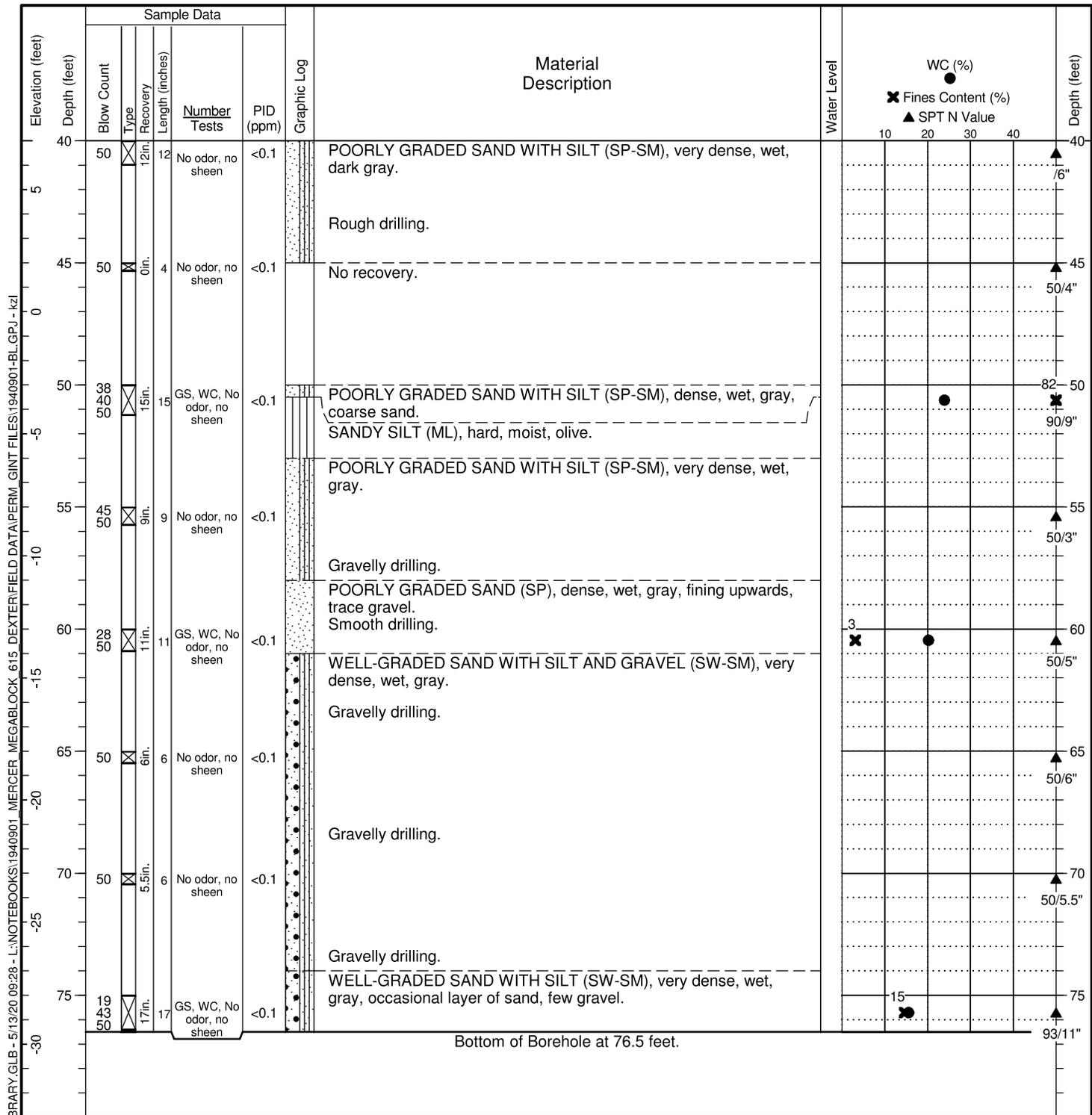
Figure A1-23  
 Sheet 2 of 2

Date Started: 3/15/19 Date Completed: 3/15/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624879 Long: -122.340770 Rig Model/Type:  
 Ground Surface Elevation: 47 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 8.25 inches Casing Diameter: NA  
 Total Depth: 76.5 feet Depth to Groundwater: 11 feet



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

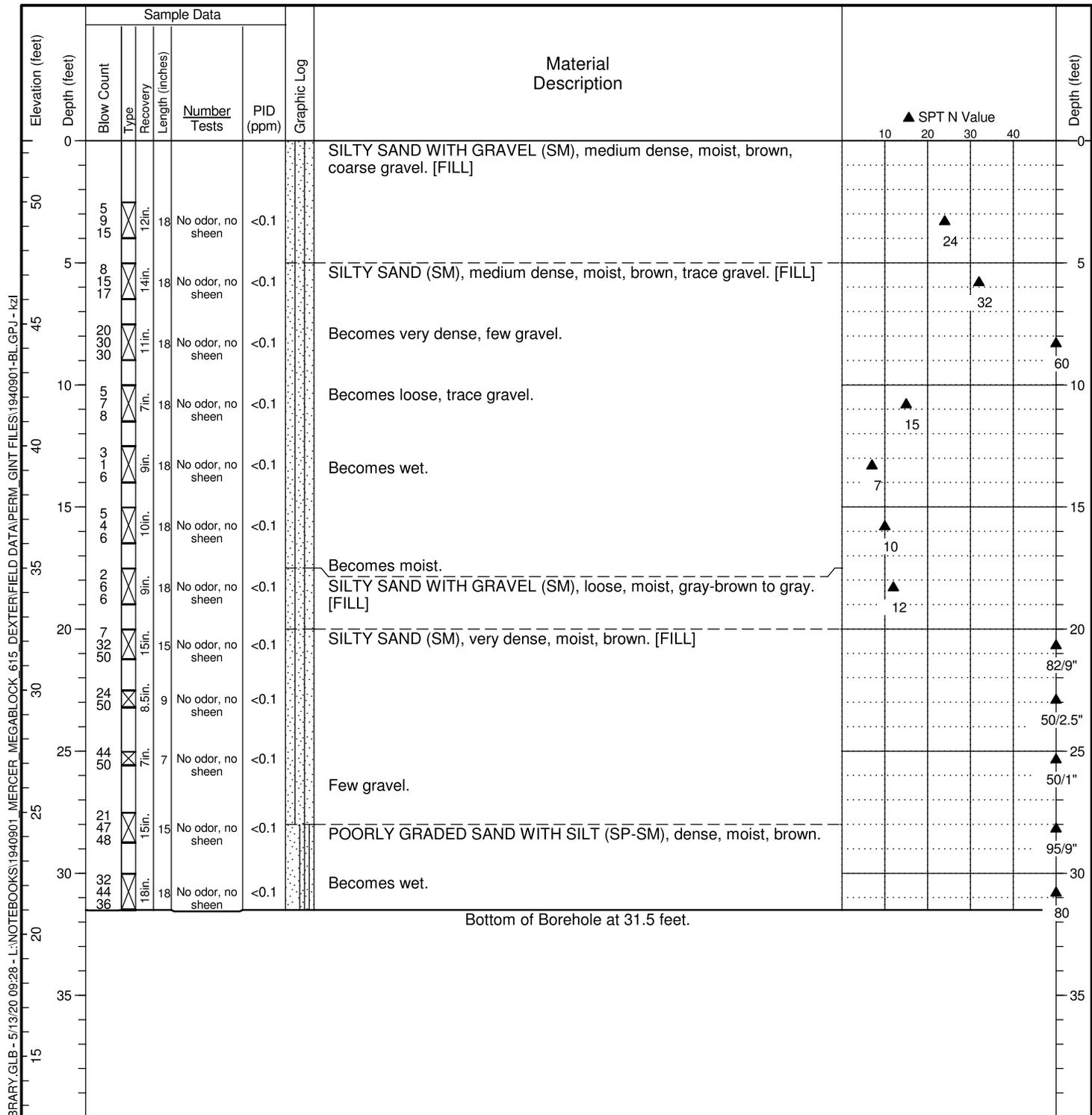
Date Started: 3/15/19 Date Completed: 3/15/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624879 Long: -122.340770 Rig Model/Type:  
 Ground Surface Elevation: 47 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 8.25 inches Casing Diameter: NA  
 Total Depth: 76.5 feet Depth to Groundwater: 11 feet



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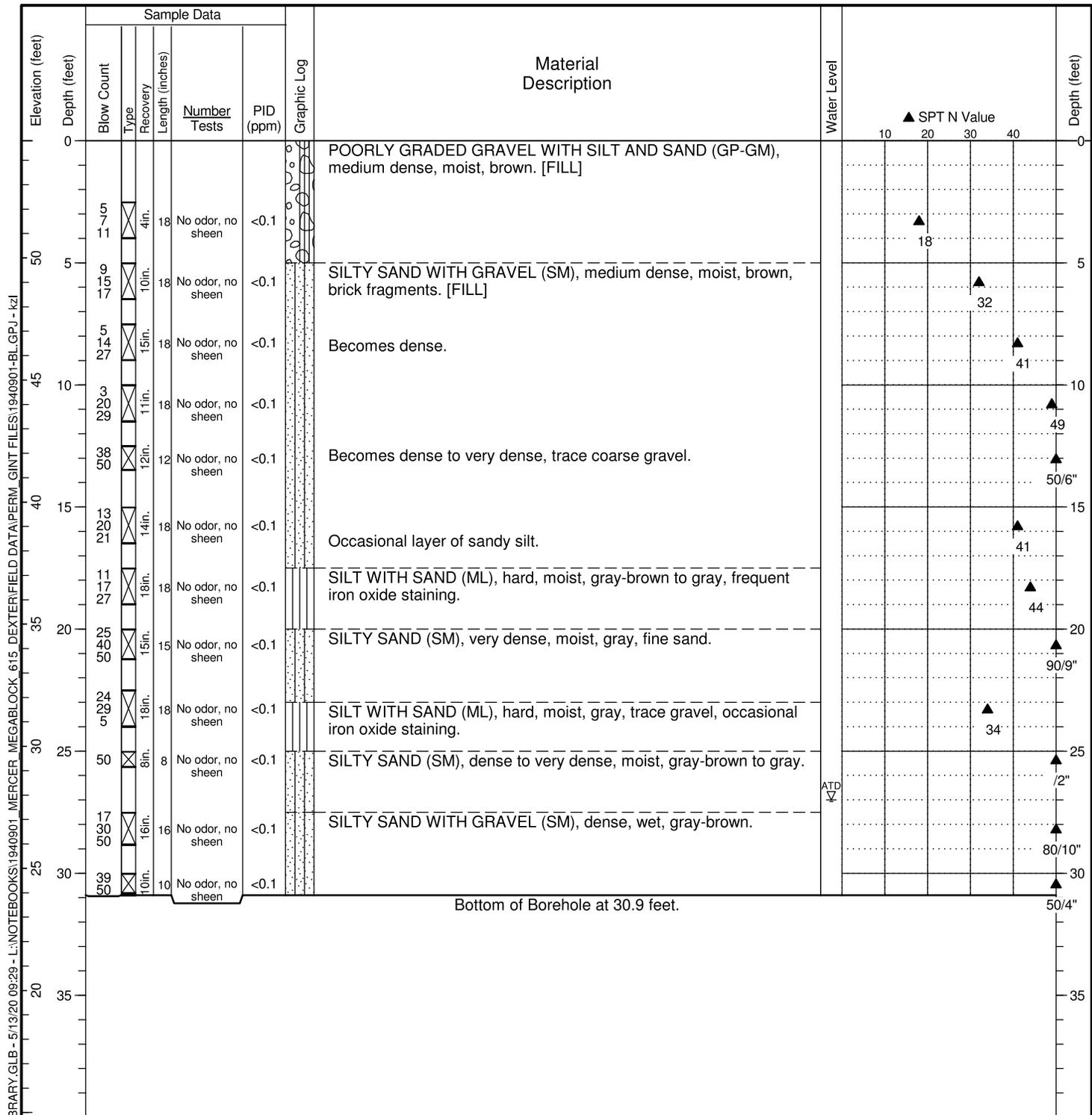
General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 3/13/19 Date Completed: 3/13/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: M. Shaljian Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624801 Long: -122.341762 Rig Model/Type: CME-75  
 Ground Surface Elevation: 52.5 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: Casing Diameter: NA  
 Total Depth: 31.5 feet Depth to Groundwater: Not Identified



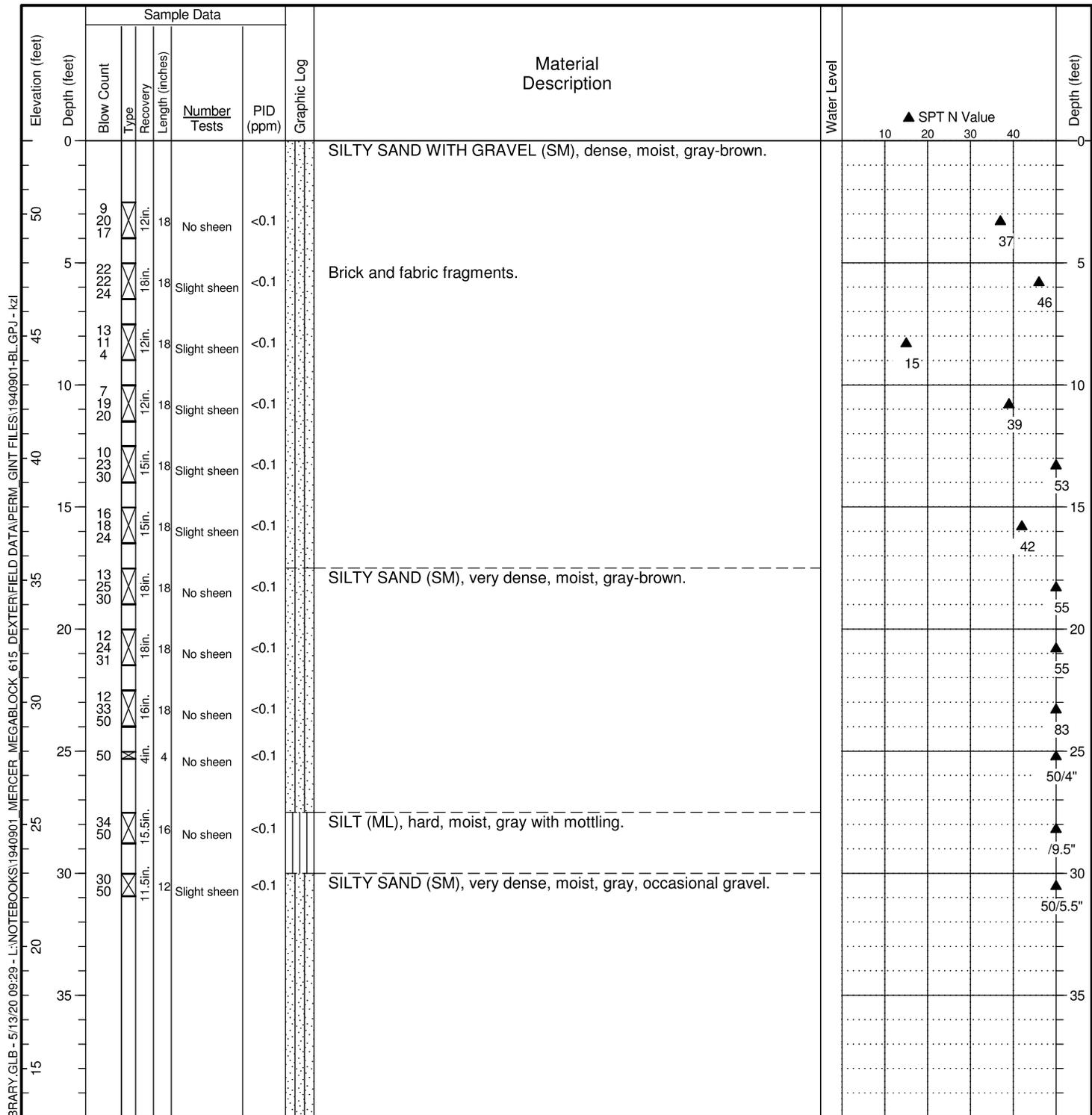
General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 3/13/19 Date Completed: 3/13/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: M. Shaljian Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624720 Long: -122.341638 Rig Model/Type: CME-75  
 Ground Surface Elevation: 54.8 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: Casing Diameter: NA  
 Total Depth: 30.9 feet Depth to Groundwater: 27 feet



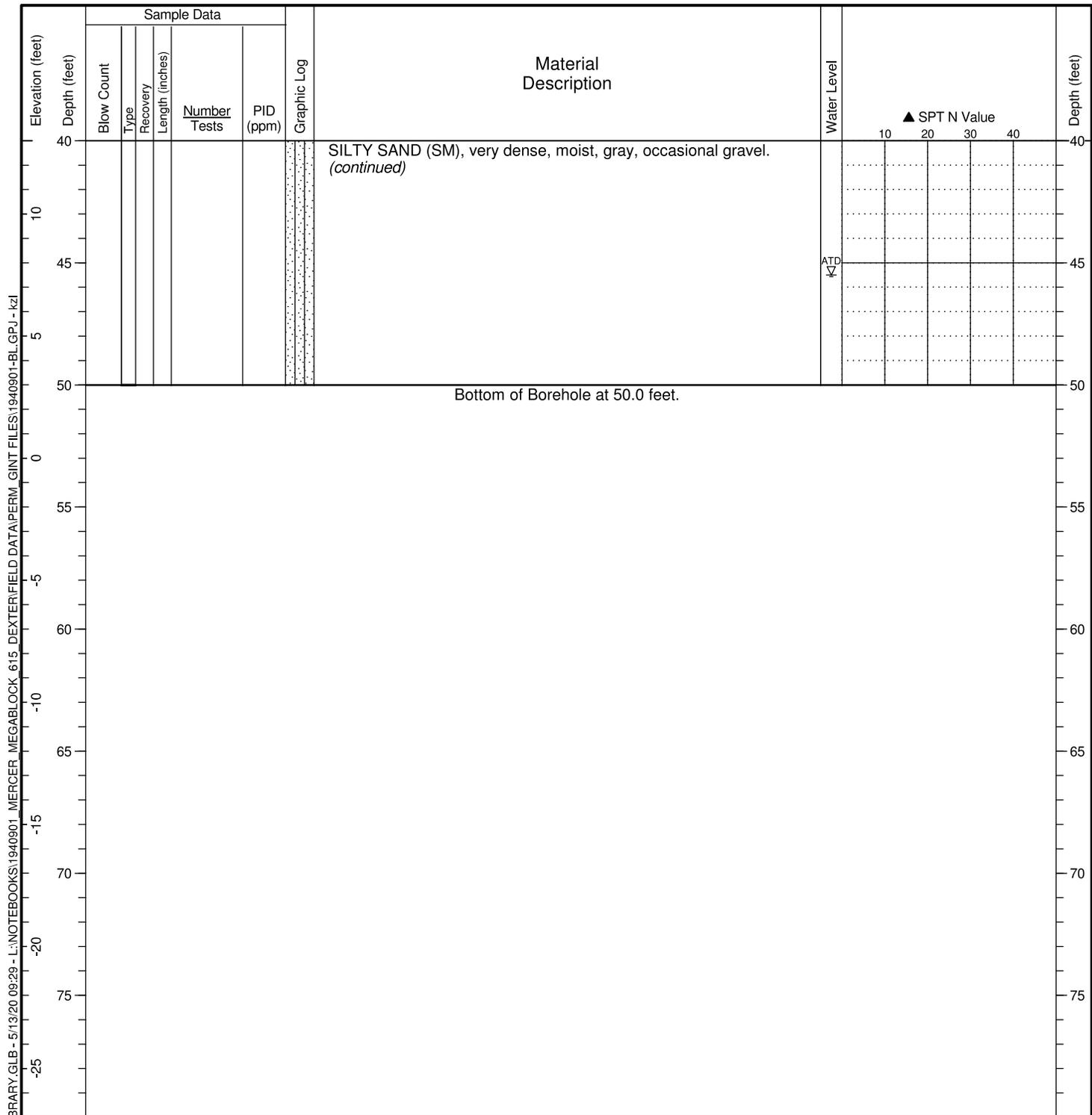
General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 3/12/19 Date Completed: 3/12/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: B. Dozier Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624681 Long: -122.341850 Rig Model/Type:  
 Ground Surface Elevation: 53 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: Casing Diameter: NA  
 Total Depth: 50 feet Depth to Groundwater: 45.5 feet



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 3/12/19 Date Completed: 3/12/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: B. Dozier Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624681 Long: -122.341850 Rig Model/Type: \_\_\_\_\_  
 Ground Surface Elevation: 53 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: \_\_\_\_\_ Casing Diameter: NA  
 Total Depth: 50 feet Depth to Groundwater: 45.5 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



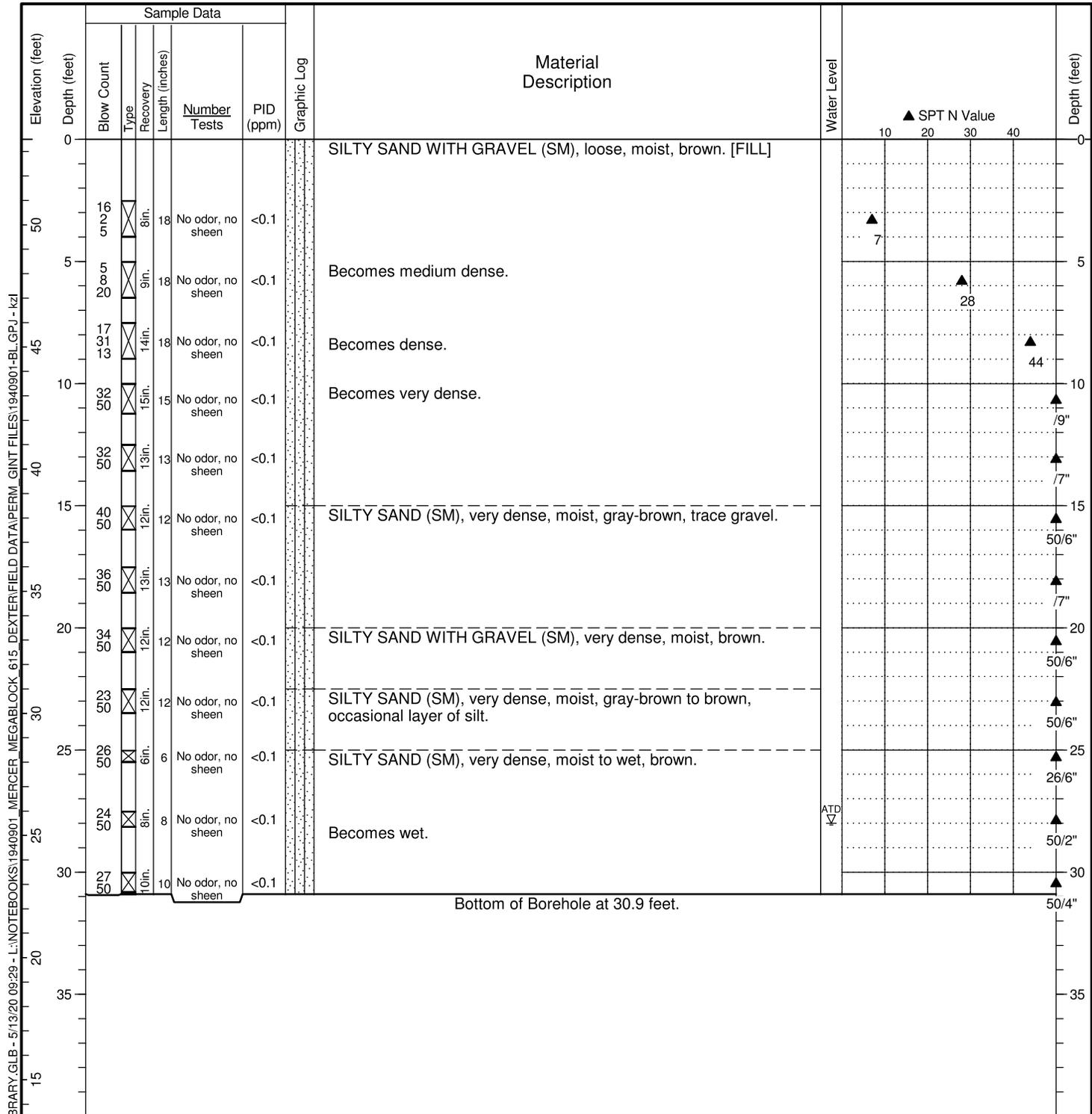
Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Boring Log  
**MBGW-11**

Figure **A1-27**  
 Sheet **2 of 2**

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:29 - L:\NOTEBOOKS\1940901 MERCER MEGABLOCK 615 DEXTERFIELD DATA\PERM GINT FILES\1940901-BL.GPJ - kzl

Date Started: 3/15/19 Date Completed: 3/15/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: M. Shaljian Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625272 Long: -122.341838 Rig Model/Type: CME-75  
 Ground Surface Elevation: 53.5 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: Casing Diameter: NA  
 Total Depth: 30.9 feet Depth to Groundwater: 28 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

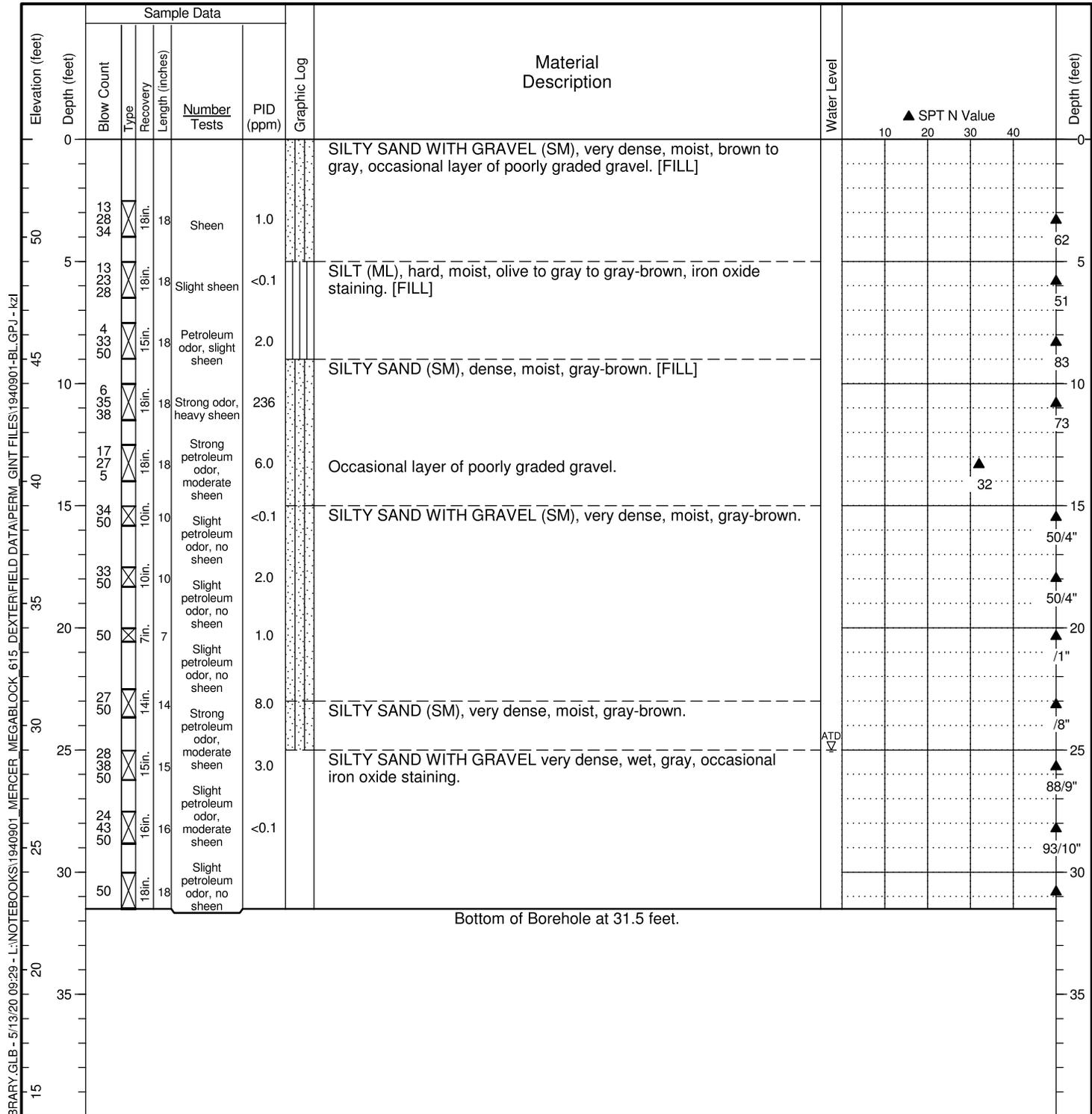


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Boring Log  
**MBGW-12**

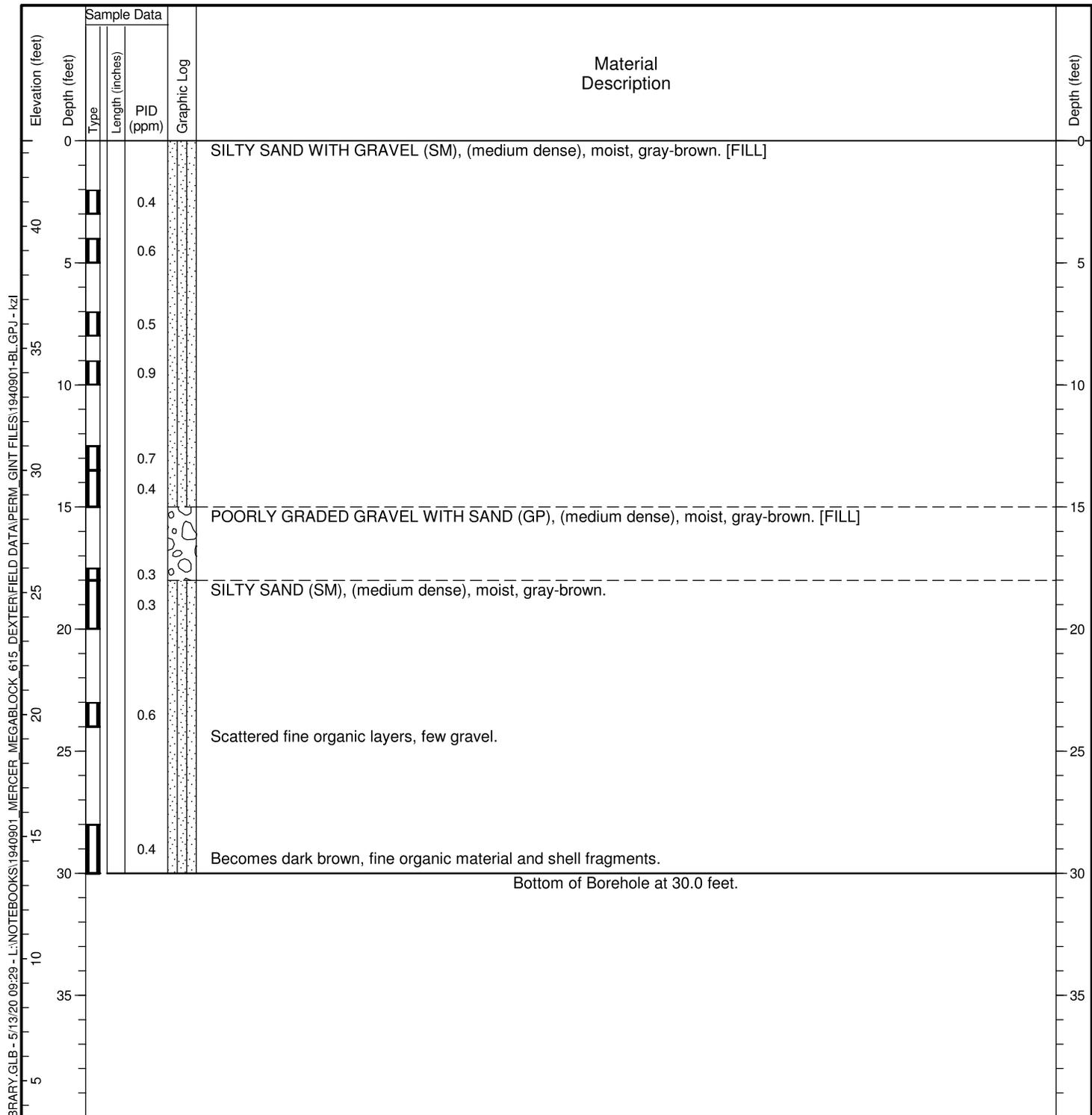
Figure **A1-28**  
 Sheet **1 of 1**

Date Started: 3/14/19 Date Completed: 3/14/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: C. Kroskie/M. Shaljian Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.625181 Long: -122.341894 Rig Model/Type: CME-75  
 Ground Surface Elevation: 54 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: Casing Diameter: NA  
 Total Depth: 31.5 feet Depth to Groundwater: 25 feet



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 3/6/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: B. McDonald/B. Dozier Checked by: C. Kroskie Drilling Method: \_\_\_\_\_  
 Location: Lat: 47.624992 Long: -122.340116 Rig Model/Type: GeoProbe® 7822DT  
 Ground Surface Elevation: 43.5 feet Hammer Type: \_\_\_\_\_  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): \_\_\_\_\_ Hammer Drop Height (inches): \_\_\_\_\_  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: \_\_\_\_\_ Casing Diameter: NA  
 Total Depth: 30 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



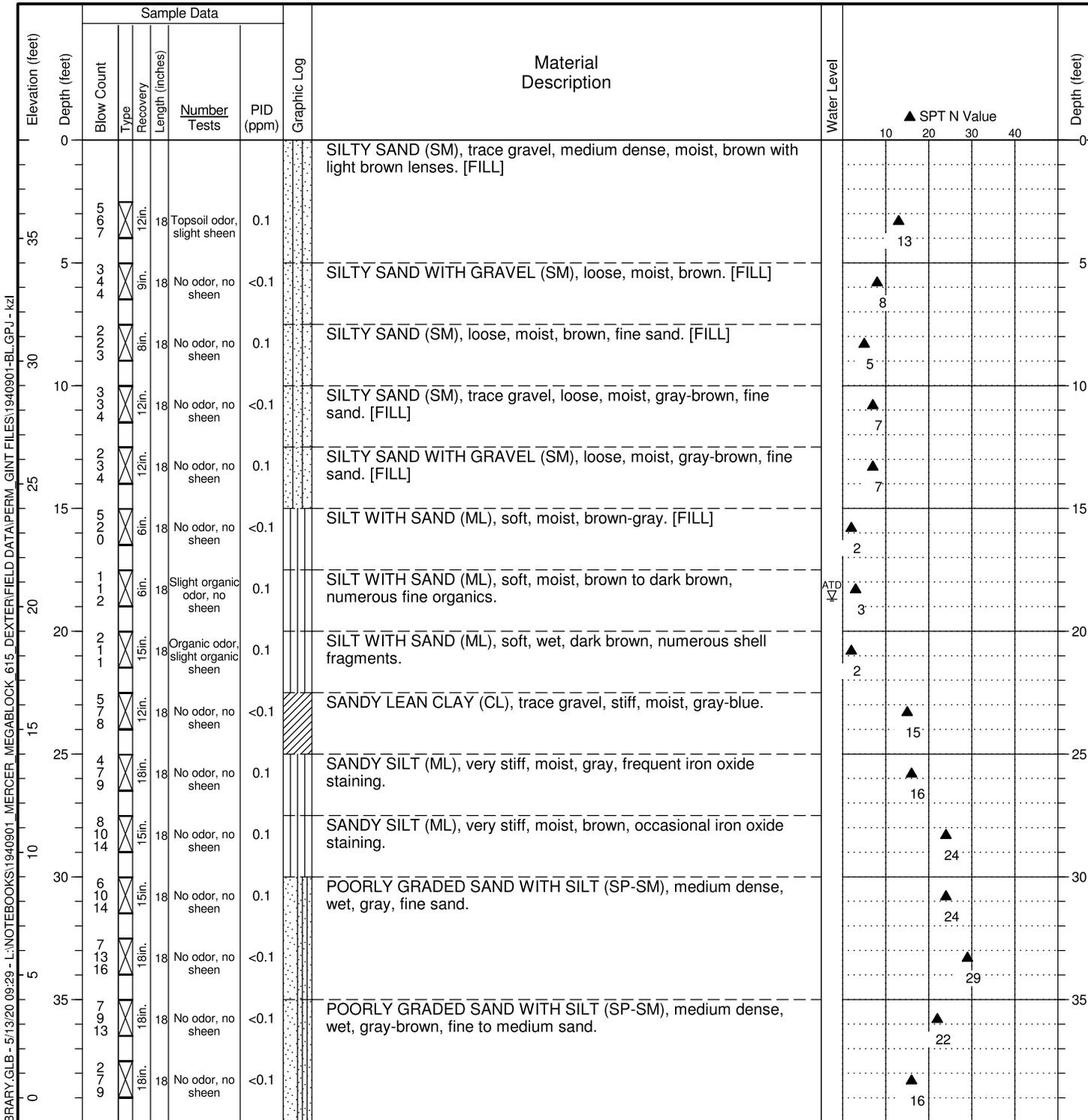
Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Push Probe Log  
**MBGW-14**

Figure **A1-30**  
 Sheet **1 of 1**

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Date Started: 3/8/19 Date Completed: 3/11/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: C. McCabe/B. McDonald Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624865 Long: -122.340056 Rig Model/Type: Mobile B-57  
 Ground Surface Elevation: 39 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: Casing Diameter: NA  
 Total Depth: 81 feet Depth to Groundwater: 18.7 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

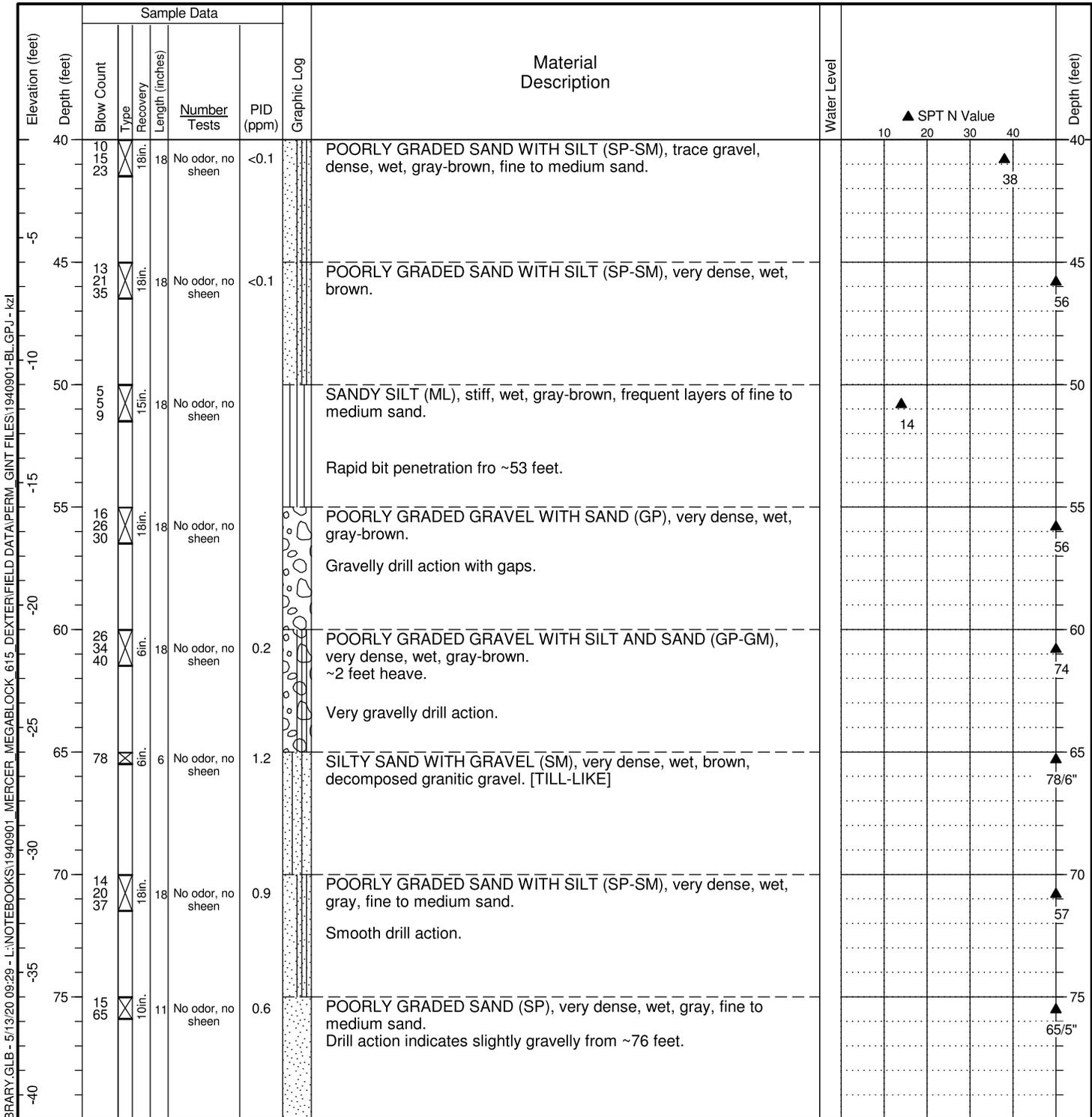


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Boring Log  
**MBGW-15**

Figure **A1-31**  
 Sheet **1 of 3**

Date Started: 3/8/19 Date Completed: 3/11/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: C. McCabe/B. McDonald Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624865 Long: -122.340056 Rig Model/Type: Mobile B-57  
 Ground Surface Elevation: 39 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: Casing Diameter: NA  
 Total Depth: 81 feet Depth to Groundwater: 18.7 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



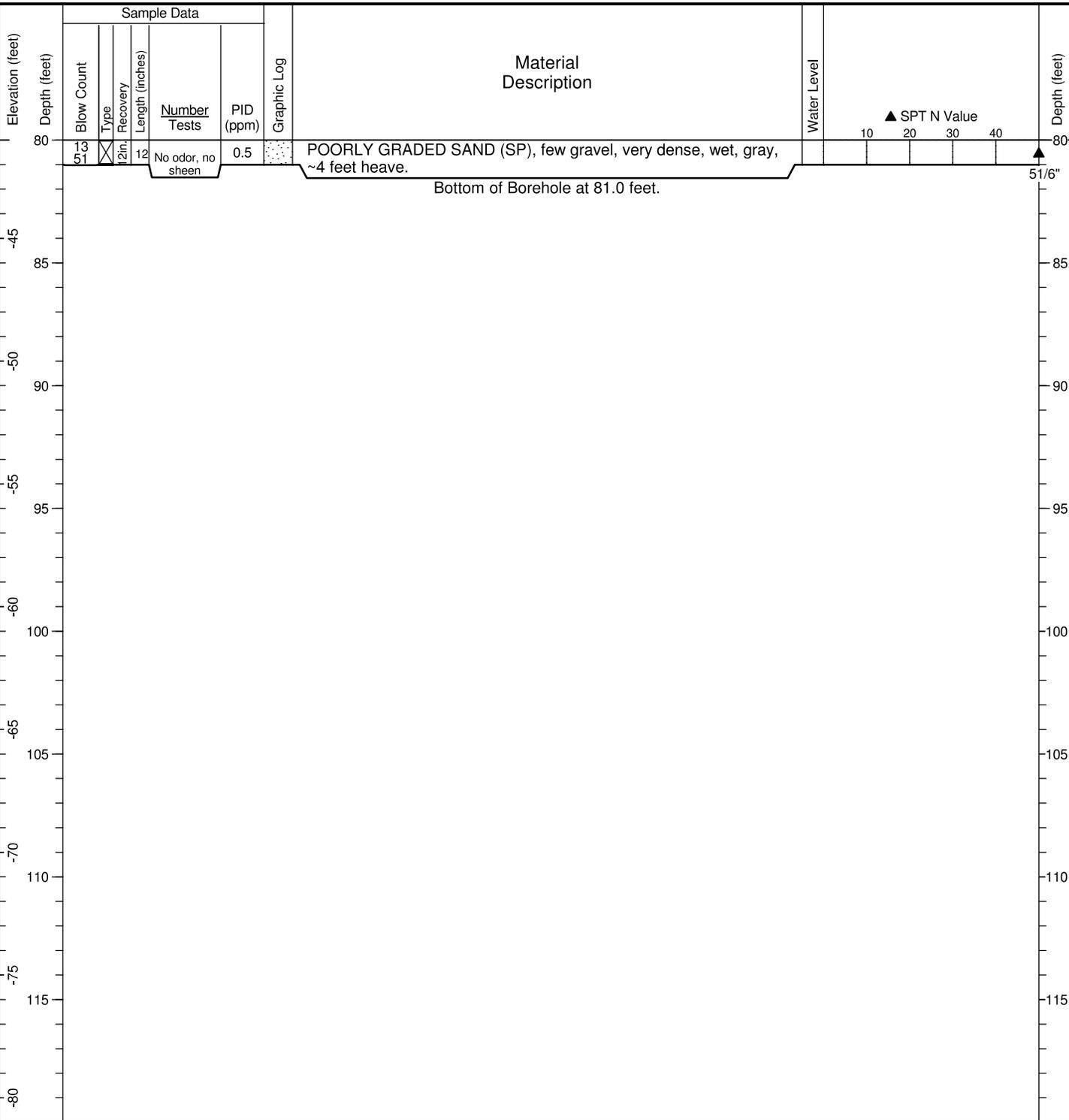
Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Boring Log  
**MBGW-15**

Figure **A1-31**  
 Sheet 2 of 3

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Date Started: 3/8/19 Date Completed: 3/11/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: C. McCabe/B. McDonald Checked by: C. Kroskie Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624865 Long: -122.340056 Rig Model/Type: Mobile B-57  
 Ground Surface Elevation: 39 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: \_\_\_\_\_ Casing Diameter: NA  
 Total Depth: 81 feet Depth to Groundwater: 18.7 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

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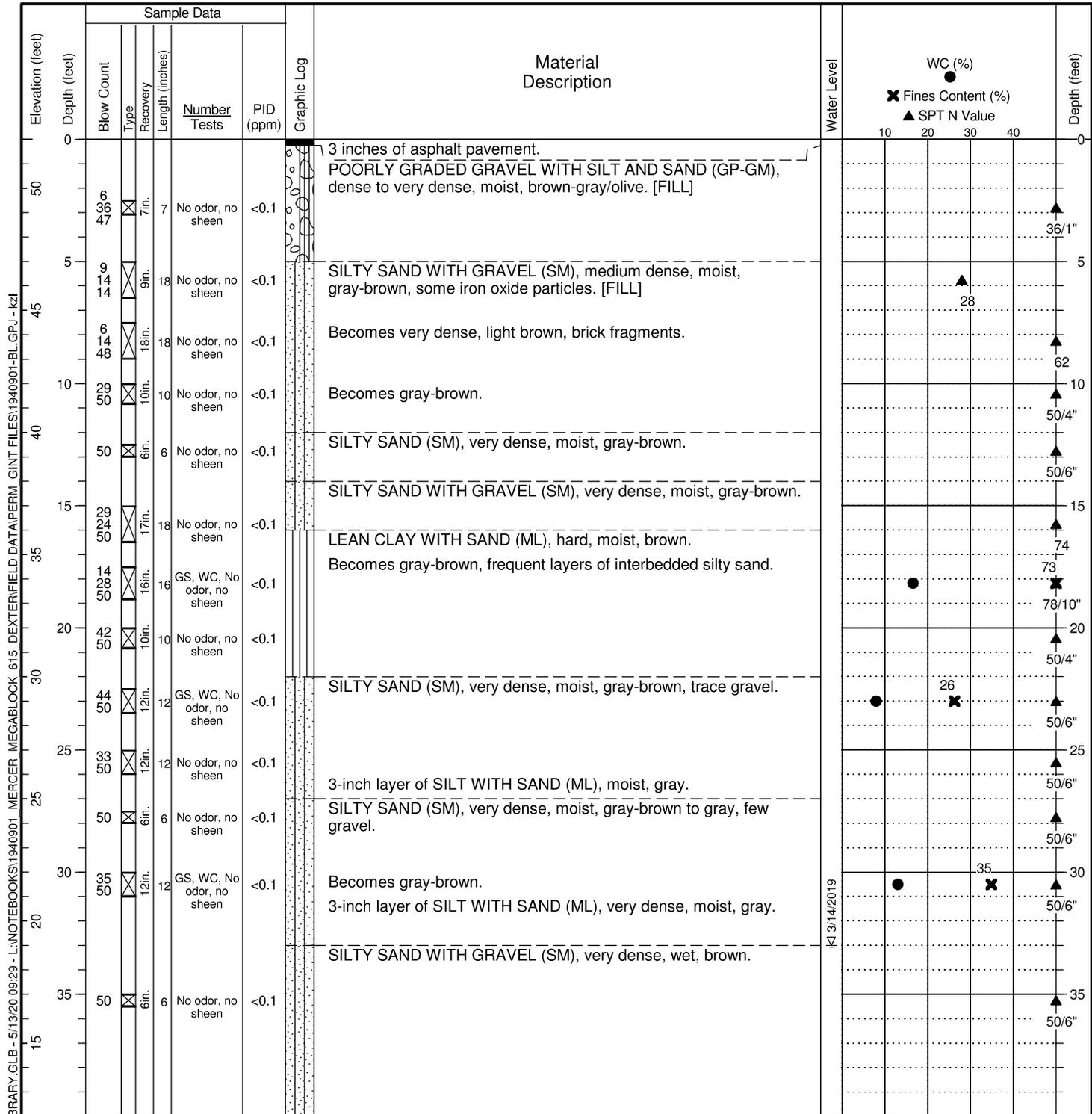


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Boring Log  
**MBGW-15**

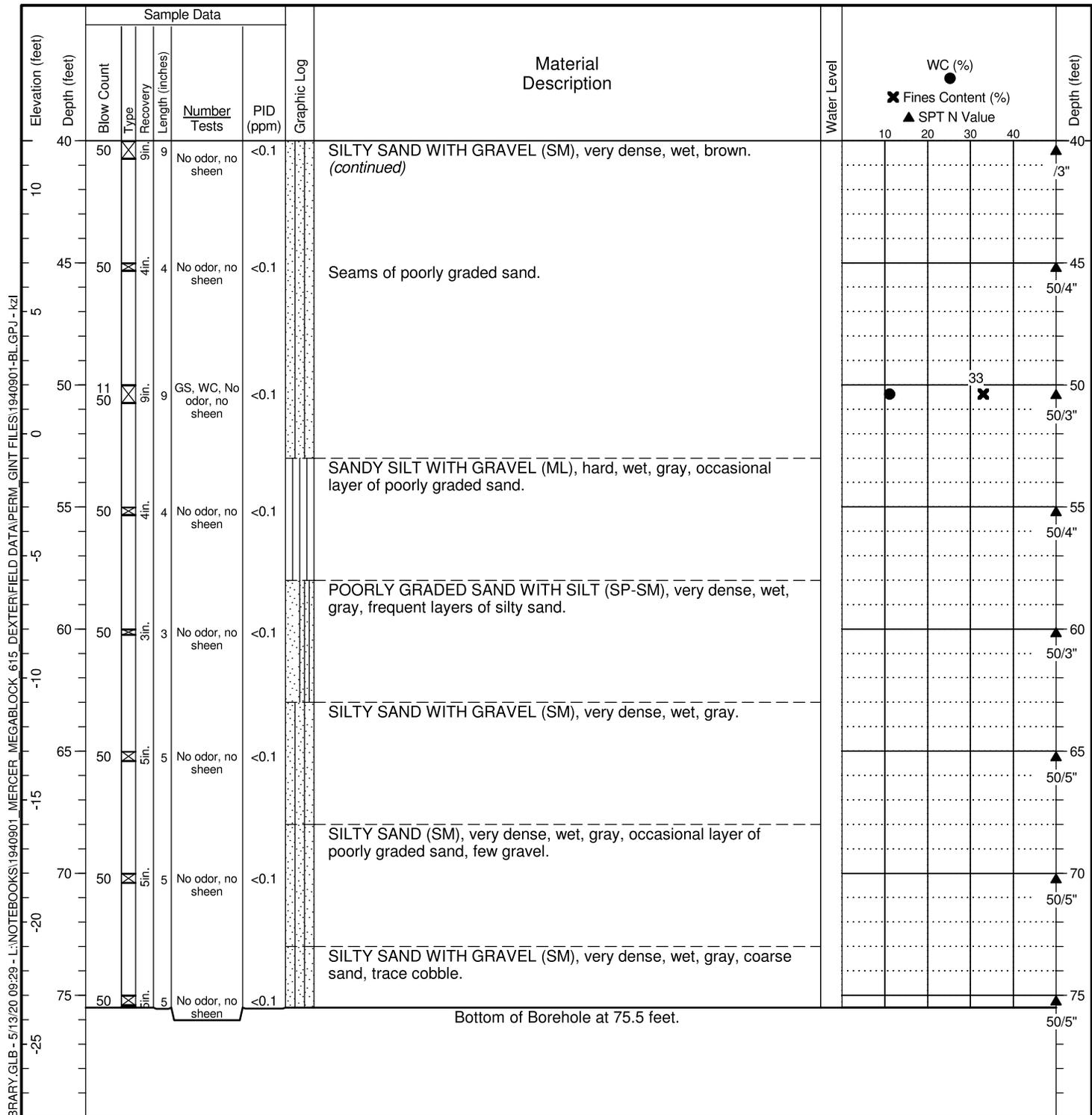
Figure **A1-31**  
 Sheet **3 of 3**

Date Started: 3/8/19 Date Completed: 3/14/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: M. Shaljian/C. Kroskie Checked by: C. Kroskie/Z. Yell Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624787 Long: -122.341347 Rig Model/Type: CME-85  
 Ground Surface Elevation: 52 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 8.25 inches Casing Diameter: NA  
 Total Depth: 75.5 feet Depth to Groundwater: 33 feet



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 3/8/19 Date Completed: 3/14/19 Drilling Contractor/Crew: Holt Services, Inc.  
 Logged by: M. Shaljian/C. Kroskie Checked by: C. Kroskie/Z. Yell Drilling Method: Hollow Stem Auger  
 Location: Lat: 47.624787 Long: -122.341347 Rig Model/Type: CME-85  
 Ground Surface Elevation: 52 feet Hammer Type: Auto-hammer  
 Comments: Location and ground surface elevations are approximate. Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30  
 Measured Hammer Efficiency (%): Not Available  
 Hole Diameter: 8.25 inches Casing Diameter: NA  
 Total Depth: 75.5 feet Depth to Groundwater: 33 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

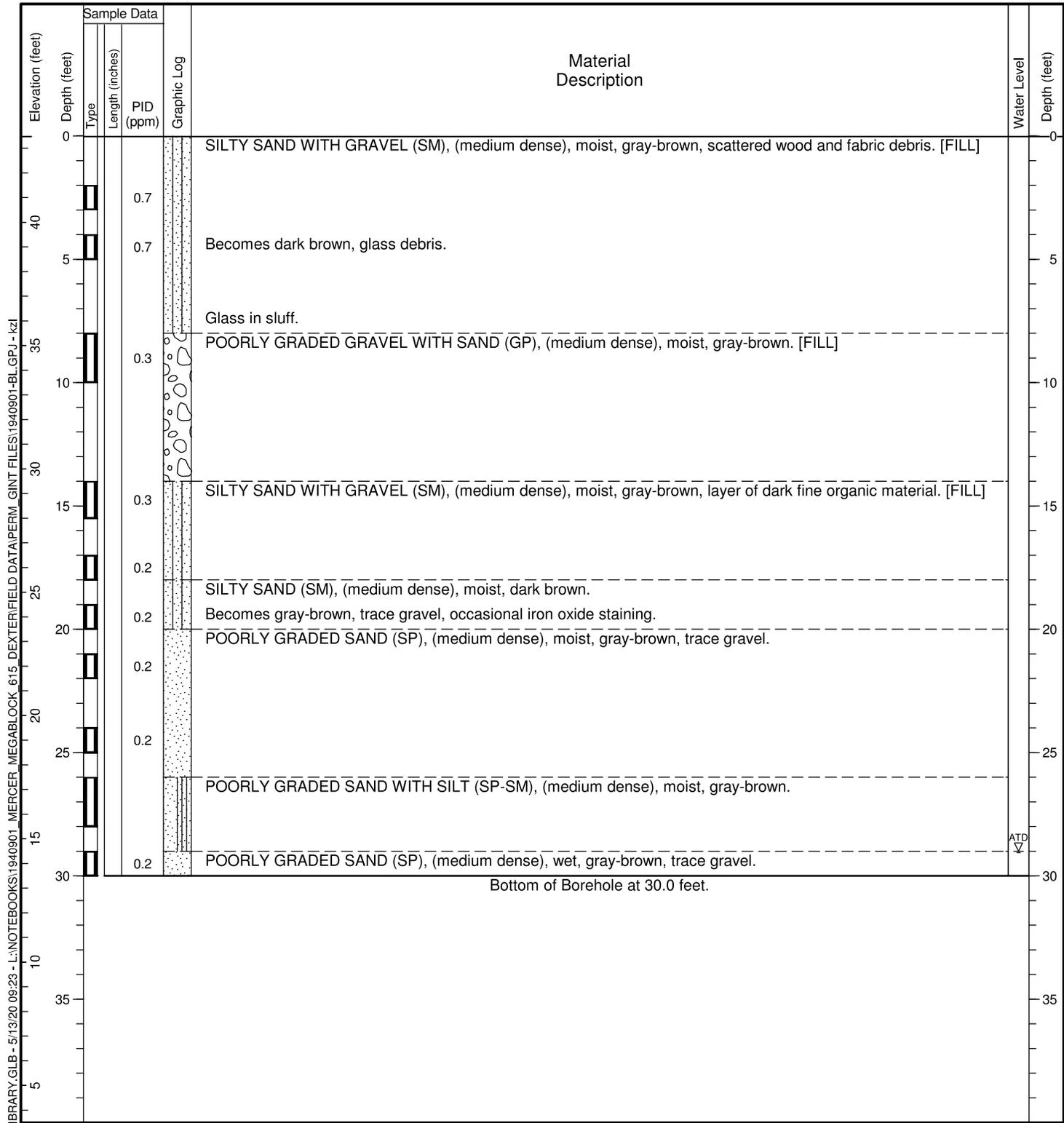


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Boring Log  
**MBGW-16**

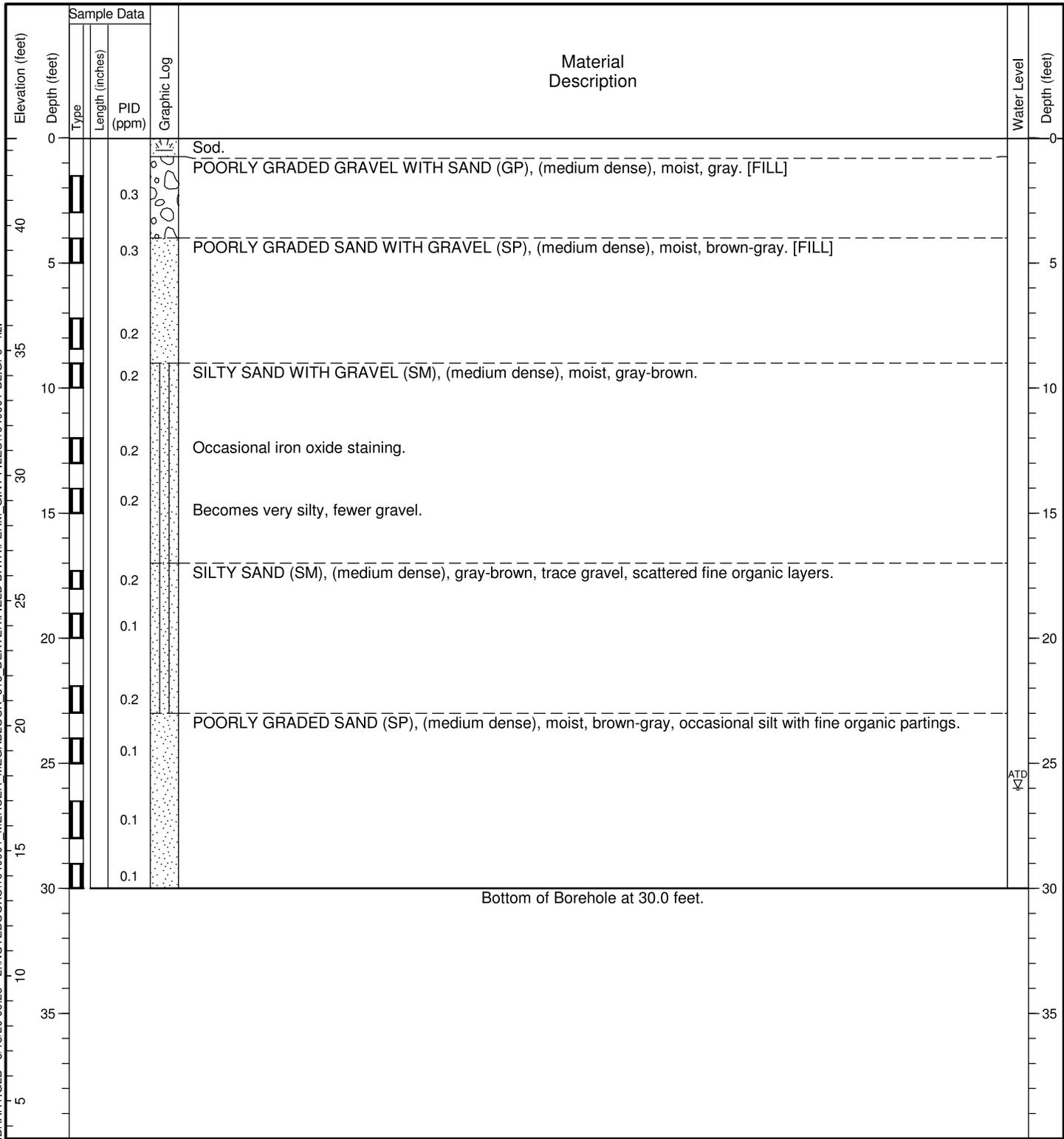
Figure **A1-32**  
 Sheet 2 of 2

Date Started: 3/5/19 Date Completed: 3/5/19 Contractor/Crew: Holt Services, Inc.  
 Logged by: B. McDonald/B. Dozier Checked by: C. Kroskie Rig Model/Type: GeoProbe® 7822DT  
 Location: Lat: 47.625044 Long: -122.340404 () Hole Diameter: inches Casing Diameter: NA  
 Ground Surface Elevation: 43.5 feet () Total Depth: 30 feet Depth to Groundwater: 29 feet  
 Comments: Location and ground surface elevations are approximate.



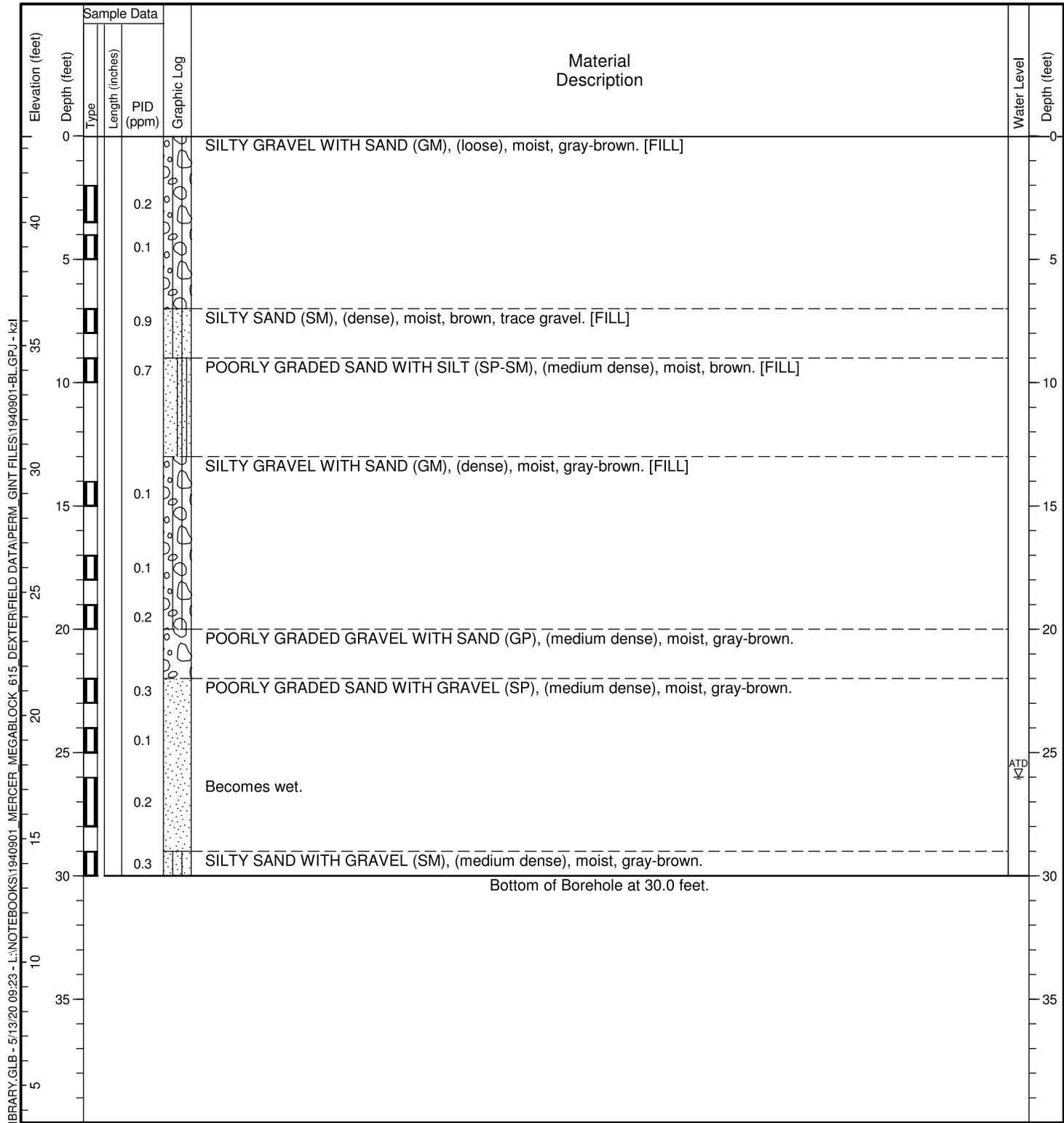
General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 3/5/19 Date Completed: 3/5/19 Contractor/Crew: Holt Services, Inc.  
 Logged by: B. McDonald Checked by: C. Kroskie Rig Model/Type: GeoProbe® 7822DT  
 Location: Lat: 47.624880 Long: -122.340290 ( ) Hole Diameter: inches Casing Diameter: NA  
 Ground Surface Elevation: 43.5 feet ( ) Total Depth: 30 feet Depth to Groundwater: 26 feet  
 Comments: Location and ground surface elevations are approximate.



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

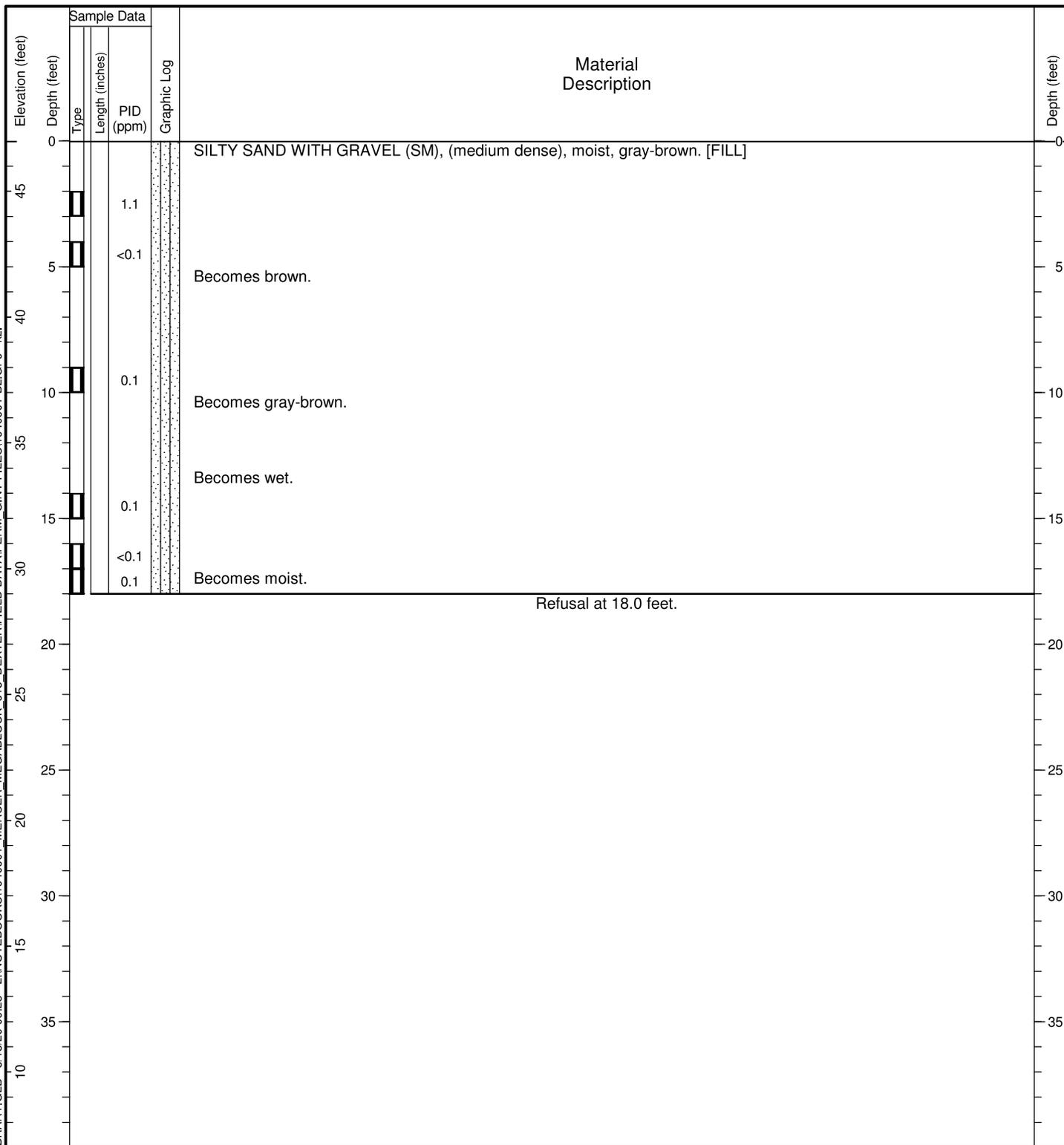
Date Started: 3/6/19 Date Completed: 3/6/19 Contractor/Crew: Holt Services, Inc.  
 Logged by: B. McDonald/B. Dozier Checked by: C. Kroskie Rig Model/Type: GeoProbe® 7822DT  
 Location: Lat: 47.624926 Long: -122.340622 ( ) Hole Diameter: inches Casing Diameter: NA  
 Ground Surface Elevation: 43.5 feet ( ) Total Depth: 30 feet Depth to Groundwater: 26 feet  
 Comments: Location and ground surface elevations are approximate.



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 3/7/19 Date Completed: 3/7/19  
 Logged by: B. McDonald/B. Dozier Checked by: C. Kroskie  
 Location: Lat: 47.624991 Long: -122.340944 ()  
 Ground Surface Elevation: 47 feet ()  
 Comments: Location and ground surface elevations are approximate.

Contractor/Crew: Holt Services, Inc.  
 Rig Model/Type: GeoProbe® 7822DT  
 Hole Diameter: inches Casing Diameter: NA  
 Total Depth: 18 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

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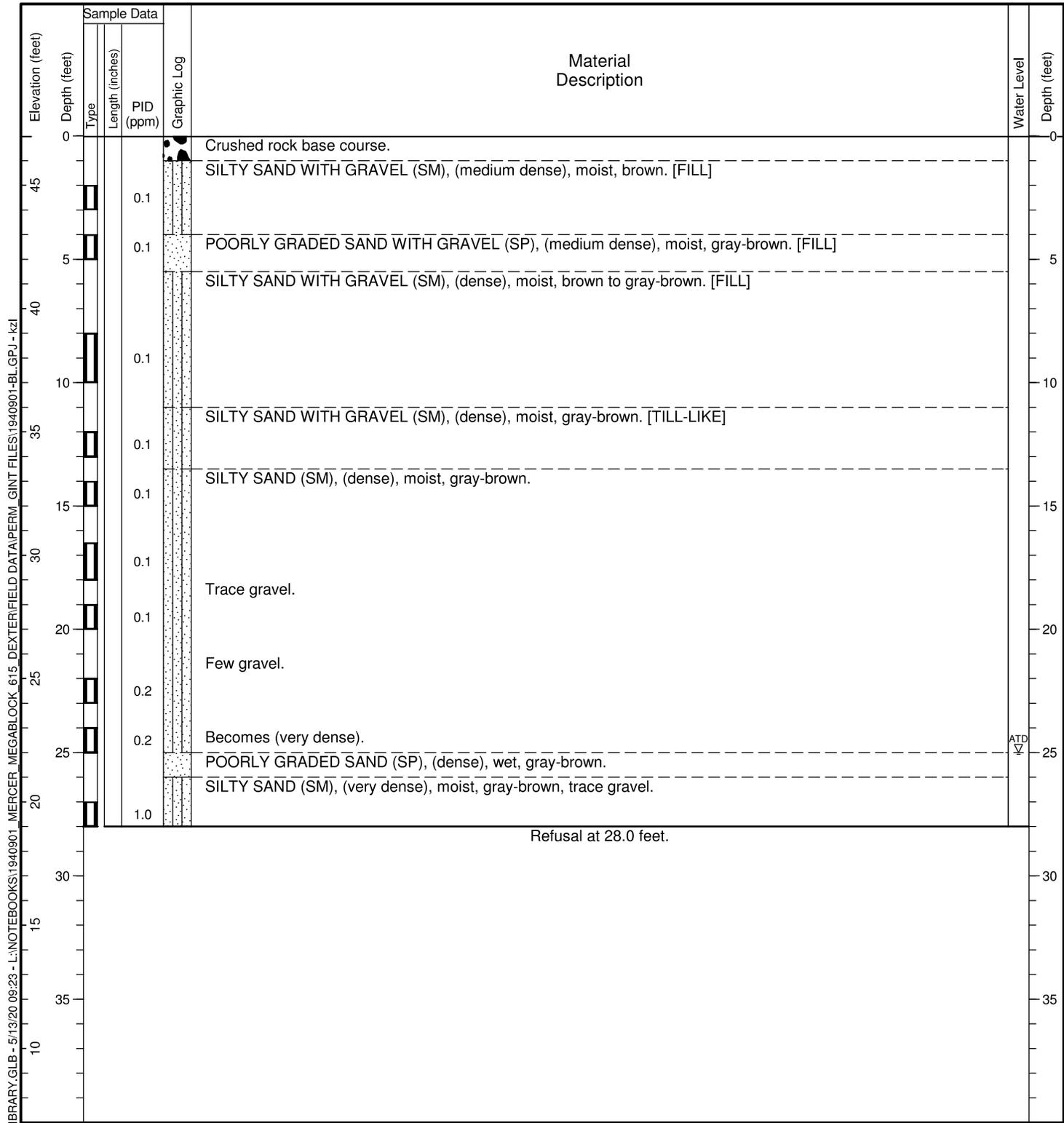


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Push Probe Log  
**MBPP-4**

Figure **A1-36**  
 Sheet **1 of 1**

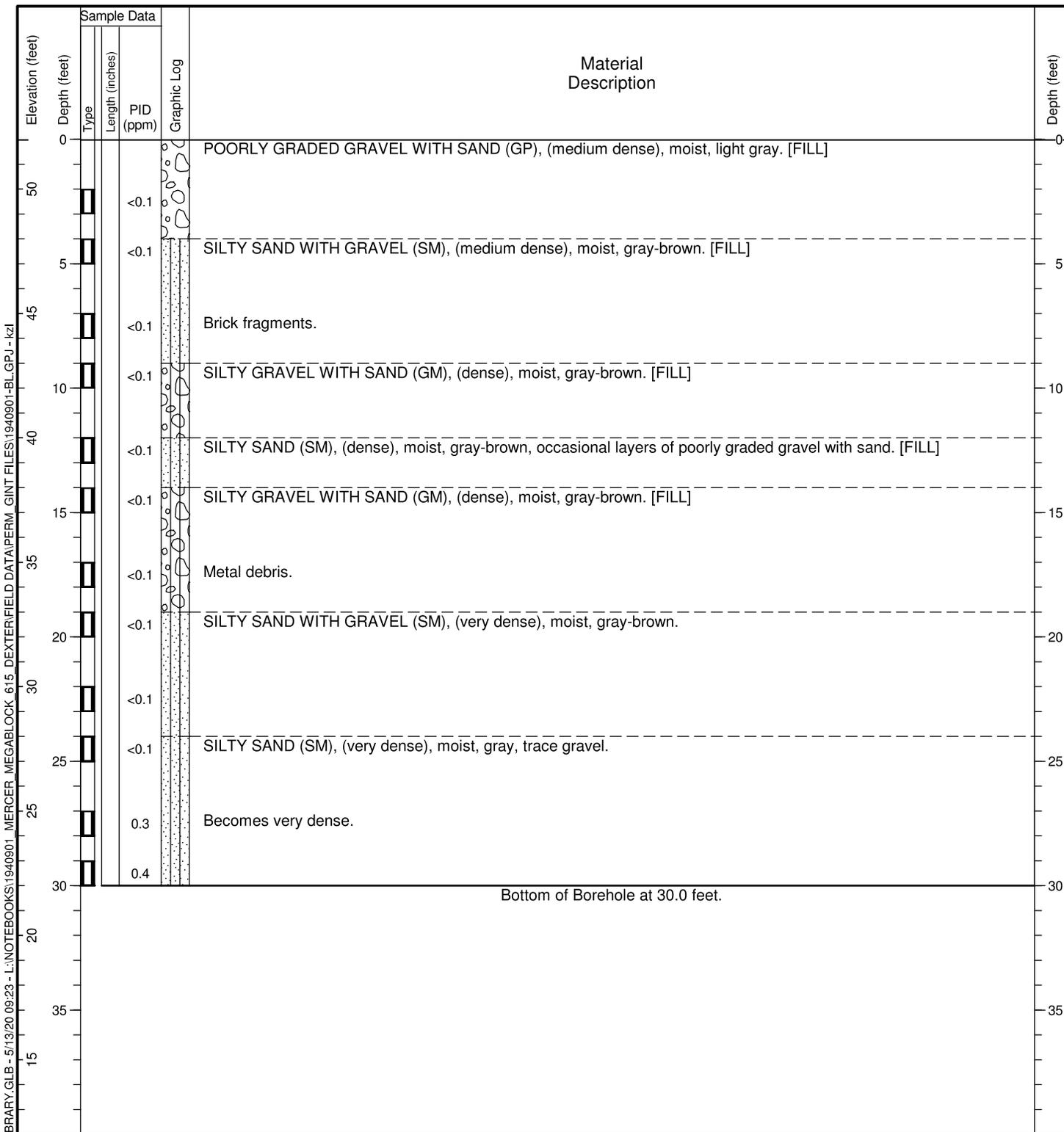
Date Started: 3/7/19 Date Completed: 3/7/19 Contractor/Crew: Holt Services, Inc.  
 Logged by: B. McDonald/B. Dozier Checked by: C. Kroskie Rig Model/Type: GeoProbe® 7822DT  
 Location: Lat: 47.625274 Long: -122.340849 ( ) Hole Diameter: inches Casing Diameter: NA  
 Ground Surface Elevation: 47 feet ( ) Total Depth: 28 feet Depth to Groundwater: 25 feet  
 Comments: Location and ground surface elevations are approximate.



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.

Date Started: 3/8/19 Date Completed: 3/8/19  
 Logged by: B. McDonald/B. Dozier Checked by: C. Kroskie  
 Location: Lat: 47.624946 Long: -122.341341 ()  
 Ground Surface Elevation: 52 feet ()  
 Comments: Location and ground surface elevations are approximate.

Contractor/Crew: Holt Services, Inc.  
 Rig Model/Type: GeoProbe® 7822DT  
 Hole Diameter: inches Casing Diameter: NA  
 Total Depth: 30 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.



Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

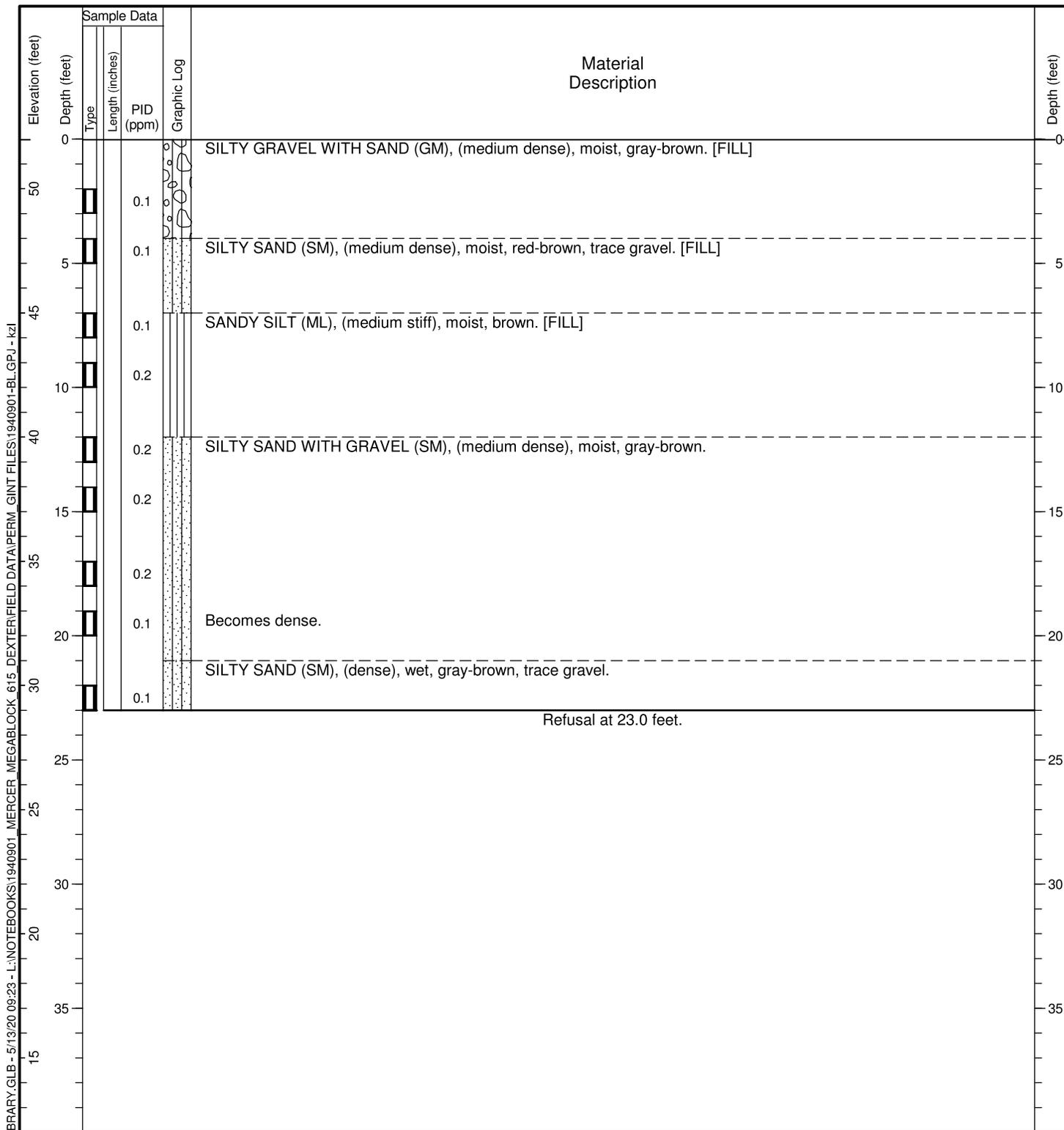
Push Probe Log  
**MBPP-6**

Figure **A1-38**  
 Sheet **1 of 1**

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Date Started: 3/8/19 Date Completed: 3/8/19  
 Logged by: B. McDonald/B. Dozier Checked by: C. Kroskie  
 Location: Lat: 47.625276 Long: -122.341425 ()  
 Ground Surface Elevation: 52 feet ()  
 Comments: Location and ground surface elevations are approximate.

Contractor/Crew: Holt Services, Inc.  
 Rig Model/Type: GeoProbe® 7822DT  
 Hole Diameter: inches Casing Diameter: NA  
 Total Depth: 23 feet Depth to Groundwater: Not Identified



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General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
5. Location and ground surface elevations are approximate.

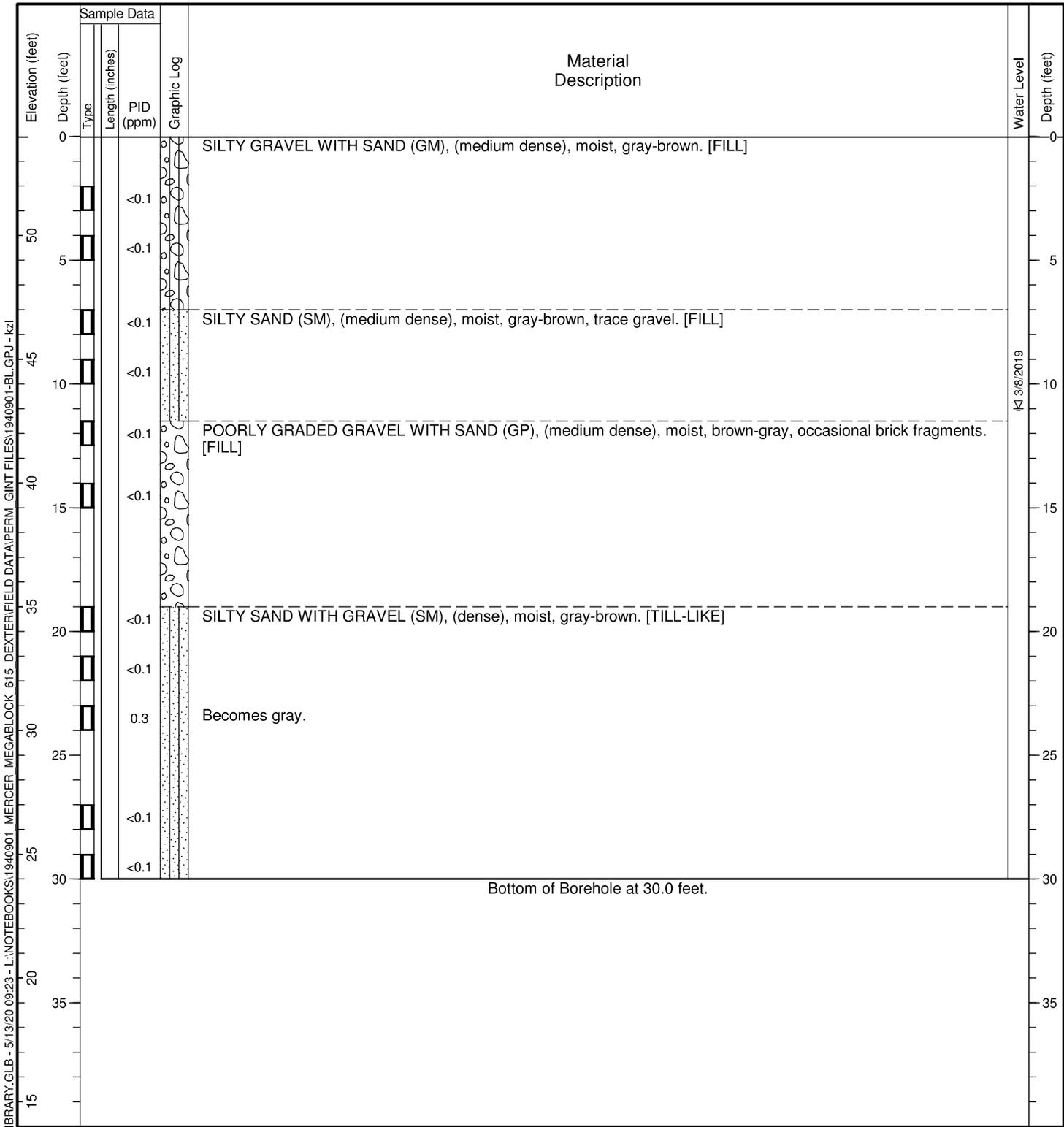


Project: Broad Block Site  
 Location: Seattle, WA  
 Project No.: 19409-04

Push Probe Log  
**MBPP-7**

Figure **A1-39**  
 Sheet **1 of 1**

Date Started: 3/8/19 Date Completed: 3/8/19 Contractor/Crew: Holt Services, Inc.  
 Logged by: B. McDonald/B. Dozier Checked by: C. Kroskie Rig Model/Type: GeoProbe® 7822DT  
 Location: Lat: 47.624894 Long: -122.341928 () Hole Diameter: inches Casing Diameter: NA  
 Ground Surface Elevation: 54 feet () Total Depth: 30 feet Depth to Groundwater: 11 feet  
 Comments: Location and ground surface elevations are approximate.



General Notes:  
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.  
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.  
 3. USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).  
 4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.  
 5. Location and ground surface elevations are approximate.