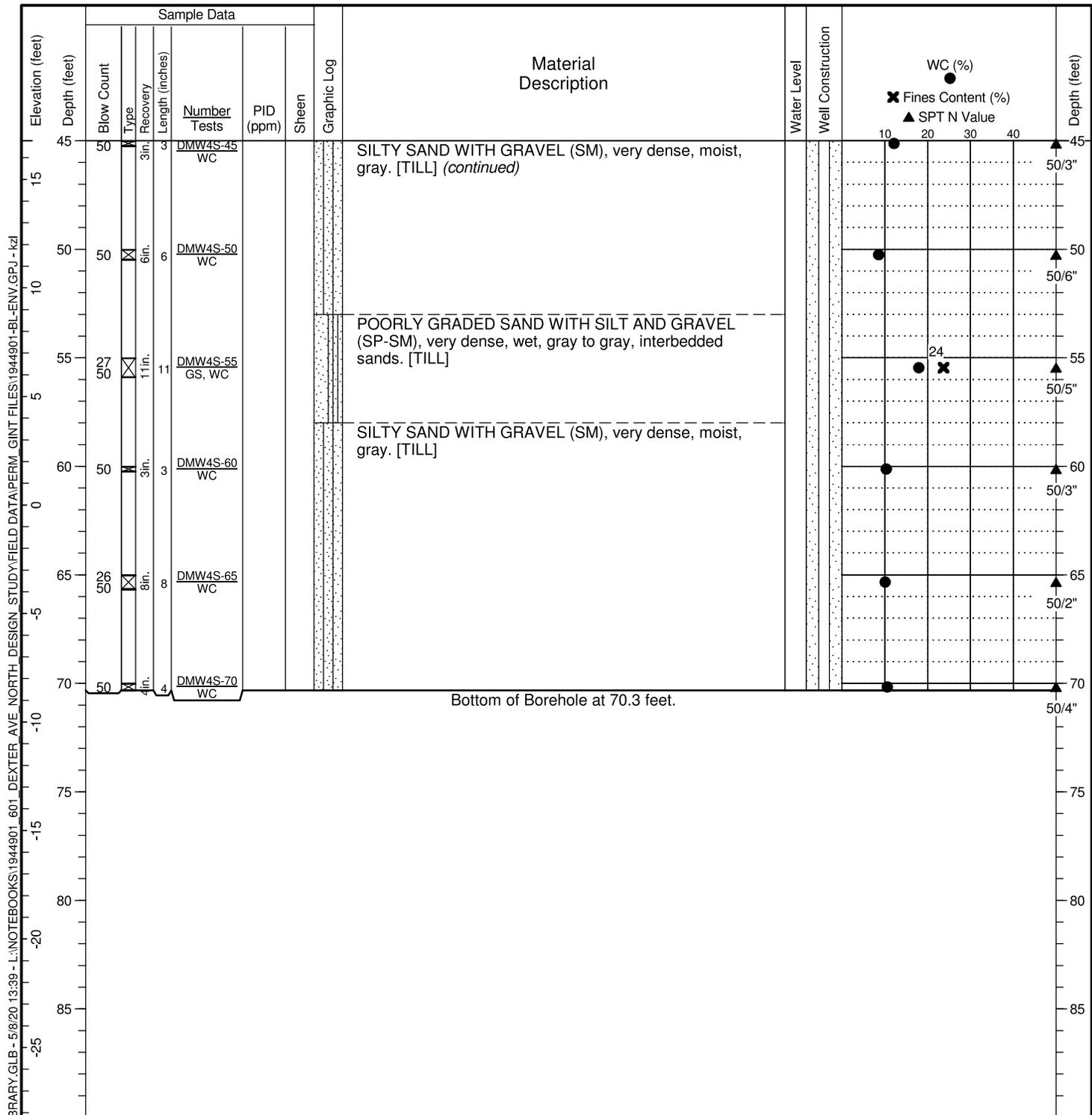


APPENDIX C

BORING AND WELL LOGS

**PART 4
OTHER LOGS**

Date Started: 2/26/20 Date Completed: 2/26/20 Drilling Contractor/Crew: Holt Services, Inc. / Rayon
 Logged by: C. McCabe Checked by: N. Jones Drilling Method: Hollow Stem Auger
 Location: Lat: 47.624983 Long: -122.342623 (WGS 84) Rig Model/Type: Mobile B-58 / Truck-mounted drill rig
 Ground Surface Elevation: 61.78 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BME929 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): NA
 Hole Diameter: 6 inches Casing Diameter: _____
 Total Depth: 70.33 feet Depth to Groundwater: 27.2 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.



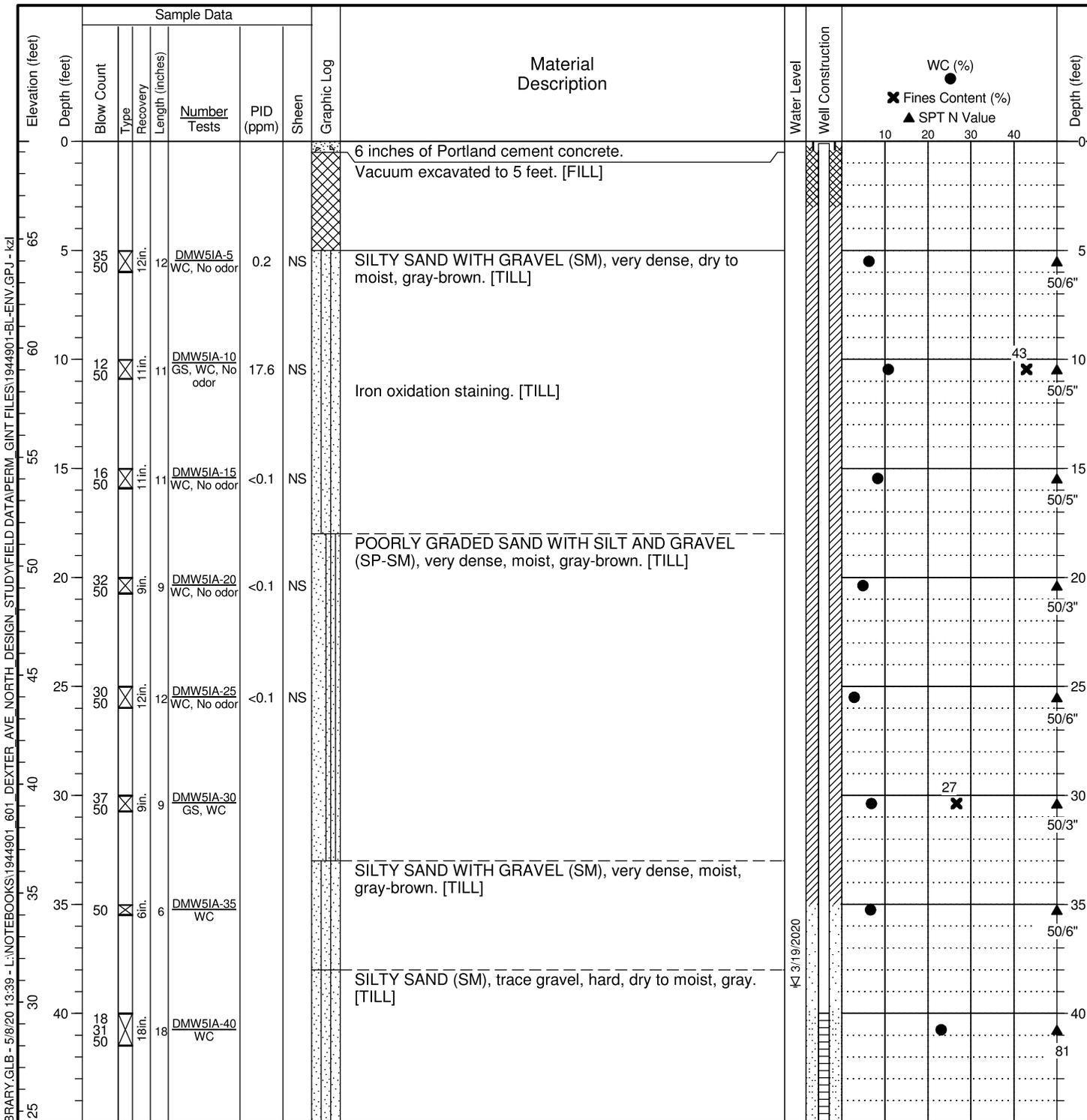
Project: 615 Dexter Site
 Location: Seattle, WA
 Project No.: 19409-04

Boring Log
 DMW-4S

Figure A1-16
 Sheet 2 of 2

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/8/20 13:39 - L:\NOTEBOOKS\1944901-601 DEXTER AVE NORTH DESIGN STUDY\FIELD DATA\PERM_GINT FILES\1944901-BL-ENV.GPJ - kzl

Date Started: 2/28/20 Date Completed: 2/28/20 Drilling Contractor/Crew: Holt Services, Inc. / Rayon
 Logged by: C. McCabe Checked by: N. Jones Drilling Method: Hollow Stem Auger
 Location: Lat: 47.624983 Long: -122.343330 (WGS 84) Rig Model/Type: Mobile B-58 / Truck-mounted drill rig
 Ground Surface Elevation: 69.48 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BME930 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): NA
 Hole Diameter: 6 inches Casing Diameter: _____
 Total Depth: 70.33 feet Depth to Groundwater: 38.71 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.



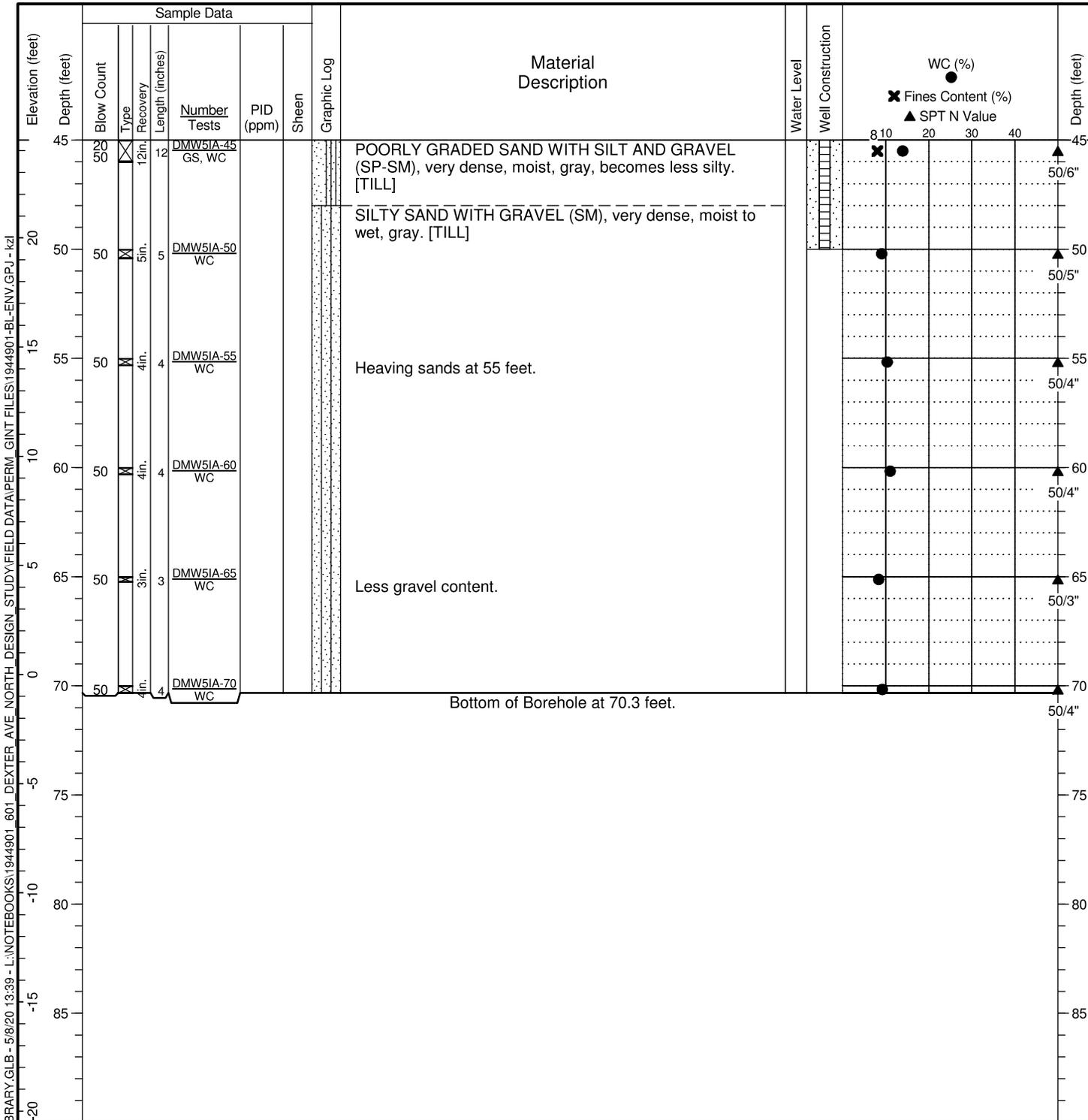
Project: 615 Dexter Site
 Location: Seattle, WA
 Project No.: 19409-04

Boring Log
 DMW-51A

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

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/8/20 13:39 - L:\NOTEBOOKS\1944901 - L:\NOTEFIELD DATA\PERM_GINT FILES\1944901-BL-ENV.GPJ - k.zl

Date Started: 2/28/20 Date Completed: 2/28/20 Drilling Contractor/Crew: Holt Services, Inc. / Rayon
 Logged by: C. McCabe Checked by: N. Jones Drilling Method: Hollow Stem Auger
 Location: Lat: 47.624983 Long: -122.343330 (WGS 84) Rig Model/Type: Mobile B-58 / Truck-mounted drill rig
 Ground Surface Elevation: 69.48 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BME930 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): NA
 Hole Diameter: 6 inches Casing Diameter: _____
 Total Depth: 70.33 feet Depth to Groundwater: 38.71 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.



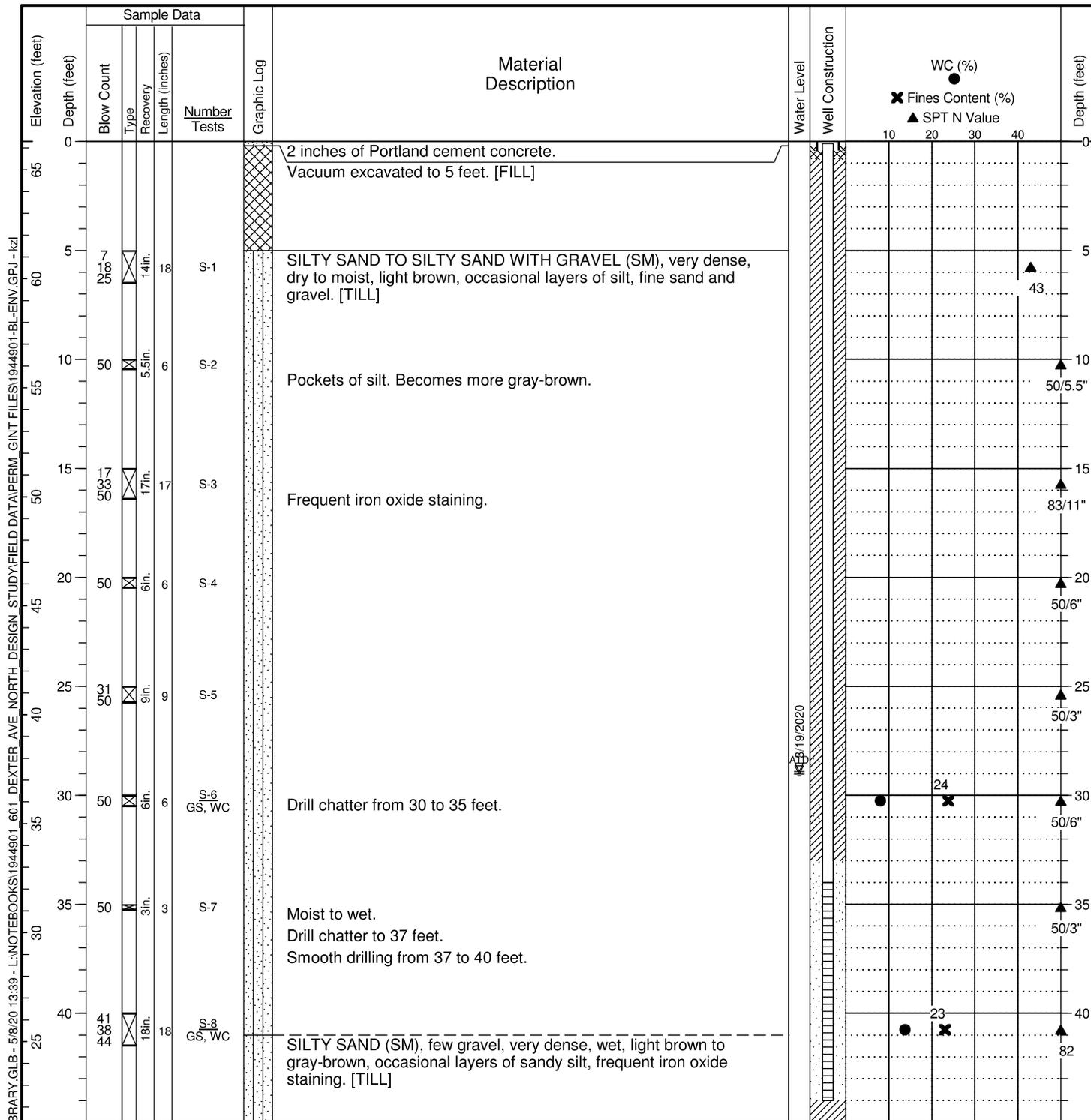
Project: 615 Dexter Site
 Location: Seattle, WA
 Project No.: 19409-04

Boring Log
 DMW-51A

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

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/8/20 13:39 - L:\NOTEBOOKS\1944901 - 601 DEXTER AVE NORTH DESIGN STUDY\FIELD DATA\PERM_GINT FILES\1944901-BL-ENV.GPJ - kzl

Date Started: 3/4/20 Date Completed: 3/4/20 Drilling Contractor/Crew: Holt Services, Inc. / Rayon
 Logged by: C. Kroskie Checked by: N. Jones Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625273 Long: -122.342907 (WGS 84) Rig Model/Type: Mobile B-58 / Truck-mounted drill rig
 Ground Surface Elevation: 66.3 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BME934 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): NA
 Hole Diameter: 6 inches Casing Diameter:
 Total Depth: 50.3 feet Depth to Groundwater: 29.03 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.



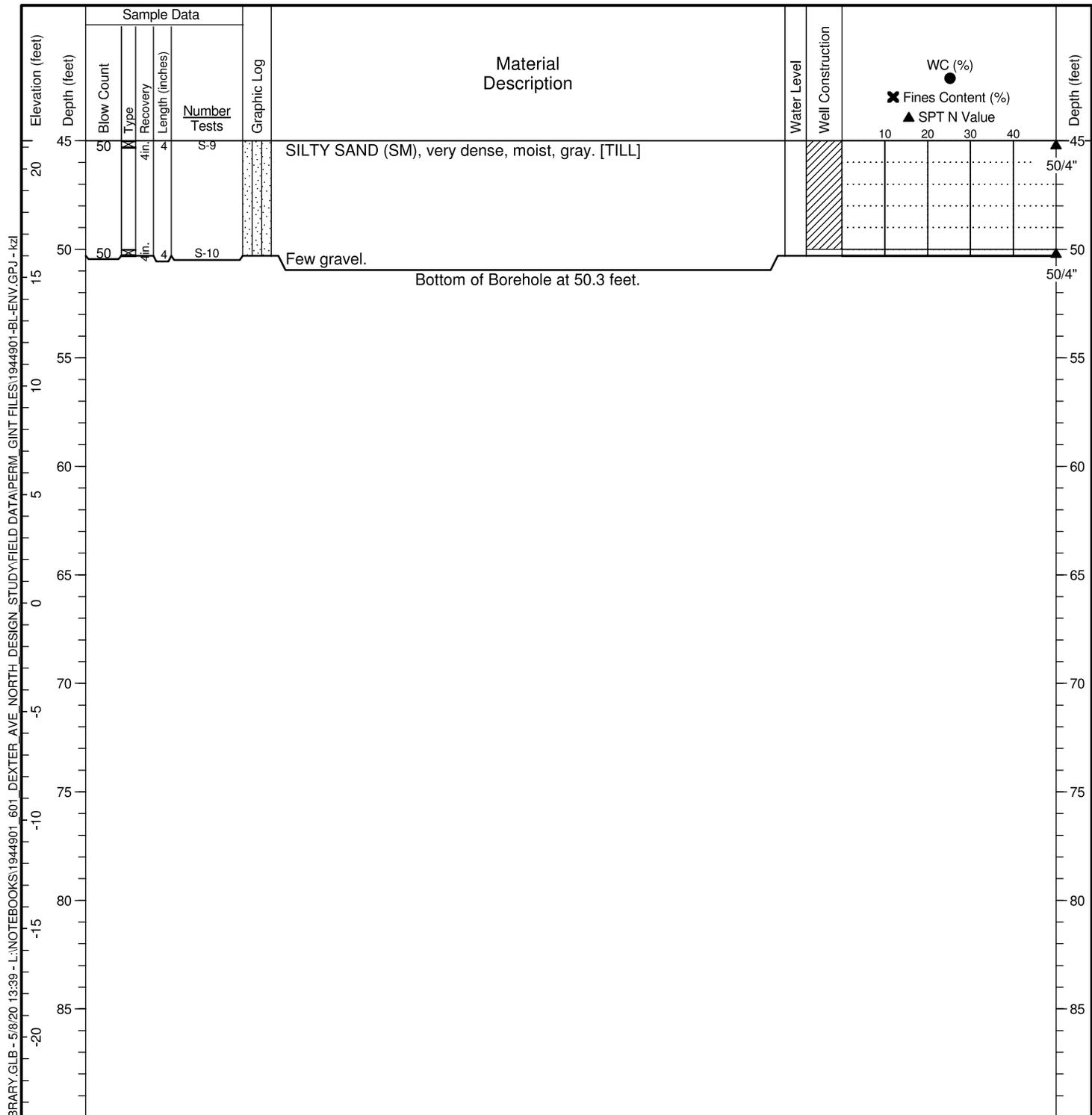
Project: 615 Dexter Site
 Location: Seattle, WA
 Project No.: 19409-04

Boring Log
DMW-6

Figure **A1-18**
 Sheet 1 of 2

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/8/20 13:39 - L:\NOTEBOOKS\1944901-601 DEXTER AVE NORTH DESIGN STUDY\FIELD DATA\PERM_GINT FILES\1944901-BL-ENV.GPJ - kzl

Date Started: 3/4/20 Date Completed: 3/4/20 Drilling Contractor/Crew: Holt Services, Inc. / Rayon
 Logged by: C. Kroskie Checked by: N. Jones Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625273 Long: -122.342907 (WGS 84) Rig Model/Type: Mobile B-58 / Truck-mounted drill rig
 Ground Surface Elevation: 66.3 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BME934 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): NA
 Hole Diameter: 6 inches Casing Diameter: _____
 Total Depth: 50.3 feet Depth to Groundwater: 29.03 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.

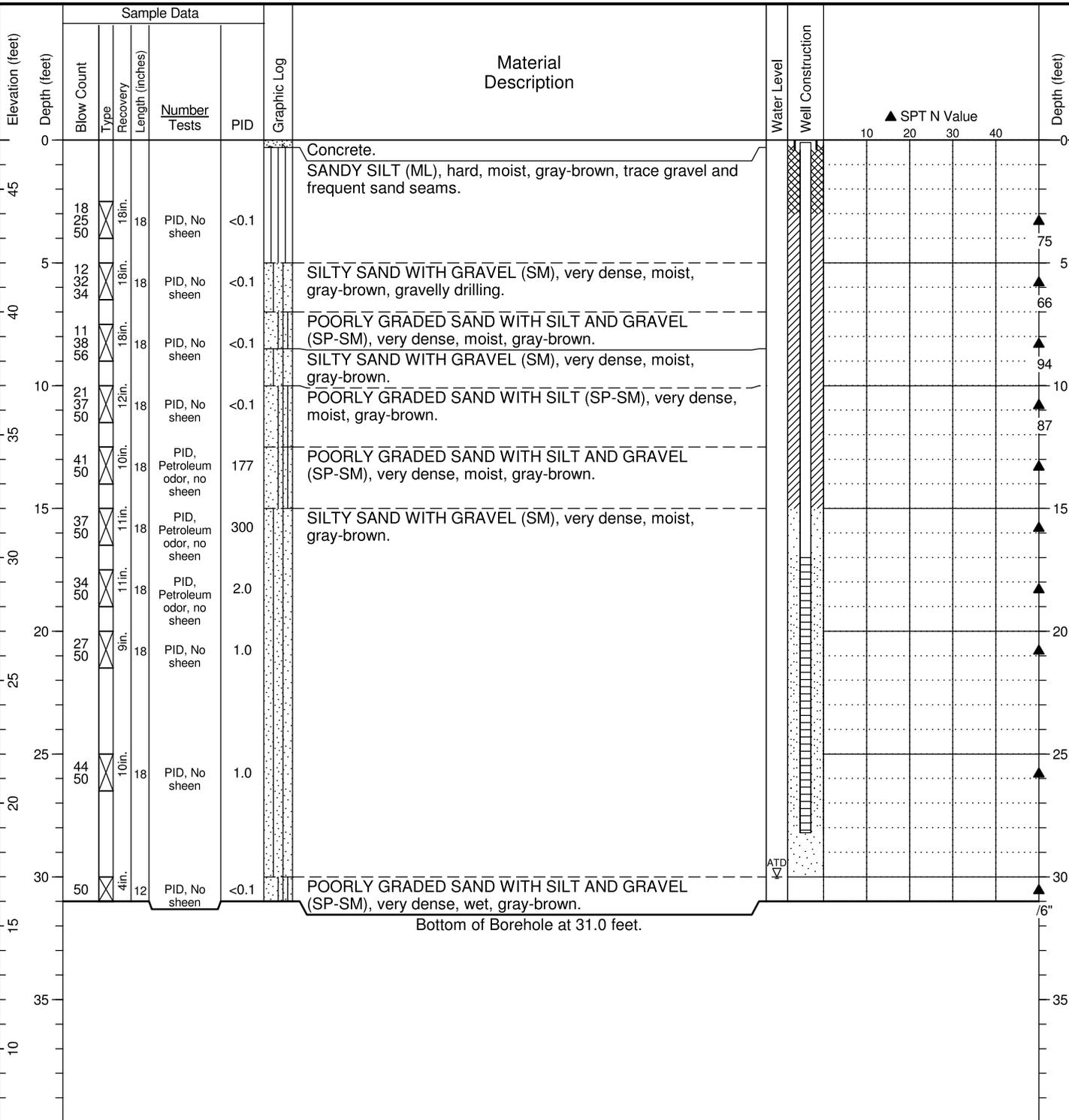


Project: 615 Dexter Site
 Location: Seattle, WA
 Project No.: 19409-04

Boring Log
DMW-6

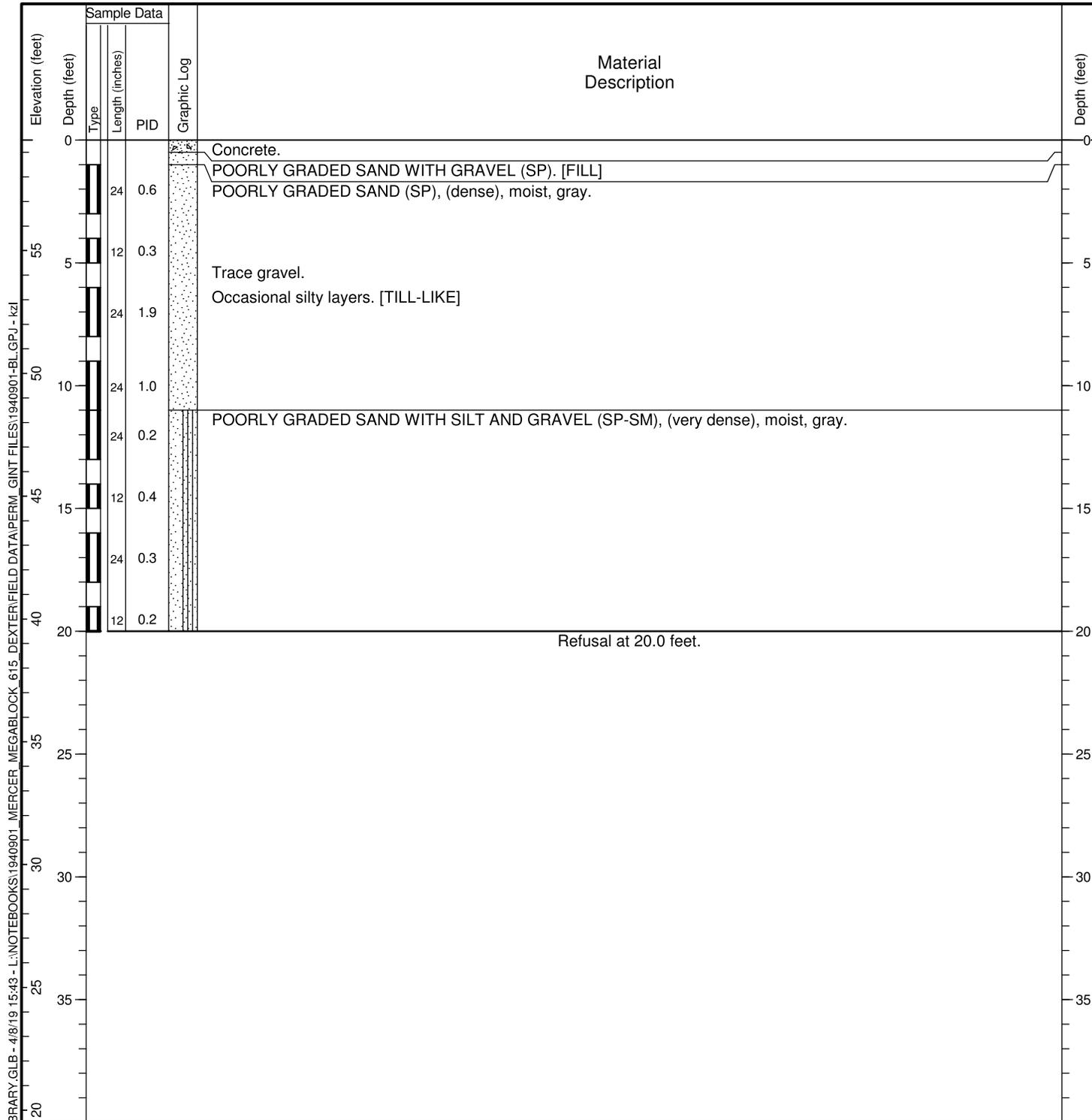
Figure **A1-18**
 Sheet **2 of 2**

Date Started: 3/5/19 Date Completed: 3/5/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: B. Dozier Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625058 Long: -122.342652 Rig Model/Type:
 Ground Surface Elevation: 47 feet Hammer Type: Auto-hammer
 Horizontal Datum: Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Vertical Datum: Measured Hammer Efficiency (%): NA
 Comments: Well Tag ID: BLR-921 Location and ground surface elevations are approximate. SURVEYED LOCATION Hole Diameter: Casing Diameter:
 Total Depth: 31 feet Depth to Groundwater: 30 feet



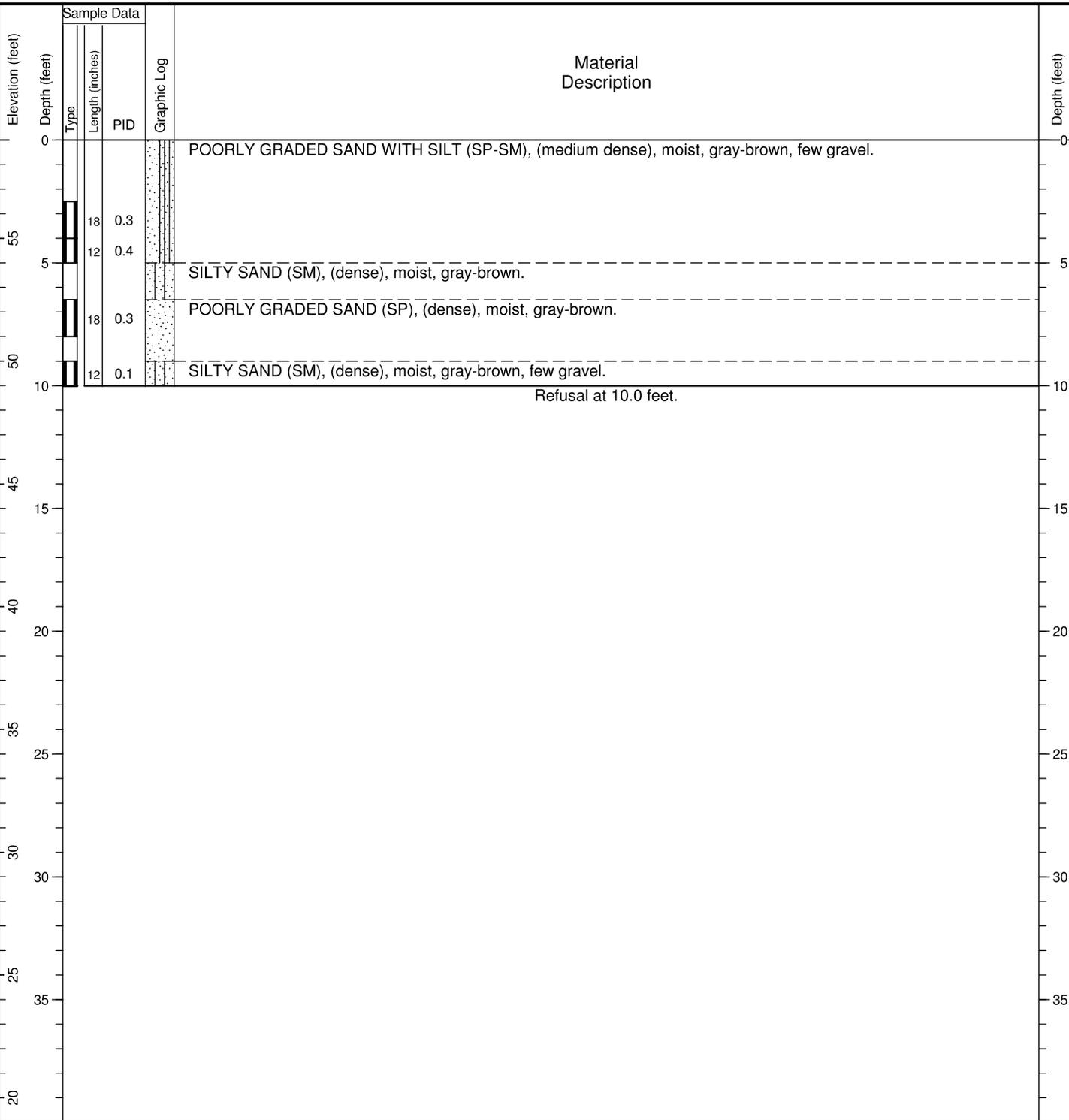
General Notes:
 1. Refer to Figure A-1 for explanation of descriptions and symbols.
 2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
 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.

Date Started: 3/4/19 Date Completed: 3/4/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: B. McDonald Checked by: C. Kroskie Drilling Method: _____
 Location: Lat: 47.625303 Long: -122.343141 Rig Model/Type: GeoProbe® 7822DT
 Ground Surface Elevation: 59.5 feet Hammer Type: _____
 Horizontal Datum: _____ Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Vertical Datum: _____ Measured Hammer Efficiency (%): NA
 Comments: Location and ground surface elevations are approximate. SURVEYED Hole Diameter: _____ Casing Diameter: NA
 LOCATION Total Depth: 20 feet Depth to Groundwater: Not Identified



General Notes:
 1. Refer to Figure A-1 for explanation of descriptions and symbols.
 2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
 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.

Date Started: 3/4/19 Date Completed: 3/4/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: B. McDonald Checked by: C. Kroskie Drilling Method: _____
 Location: Lat: 47.625044 Long: -122.342884 Rig Model/Type: GeoProbe® 7822DT
 Ground Surface Elevation: 59 feet Hammer Type: _____
 Horizontal Datum: _____ Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Vertical Datum: _____ Measured Hammer Efficiency (%): NA
 Comments: Location and ground surface elevations are approximate. SURVEYED Hole Diameter: _____ Casing Diameter: NA
 LOCATION Total Depth: 10 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
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.

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 4/8/19 15:43 - L:\NOTEBOOKS\1940901 - MERCER MEGABLOCK 615 - DEXTERFIELD DATA\PERM_GINT FILES\1940901-BL.GPJ - kzi

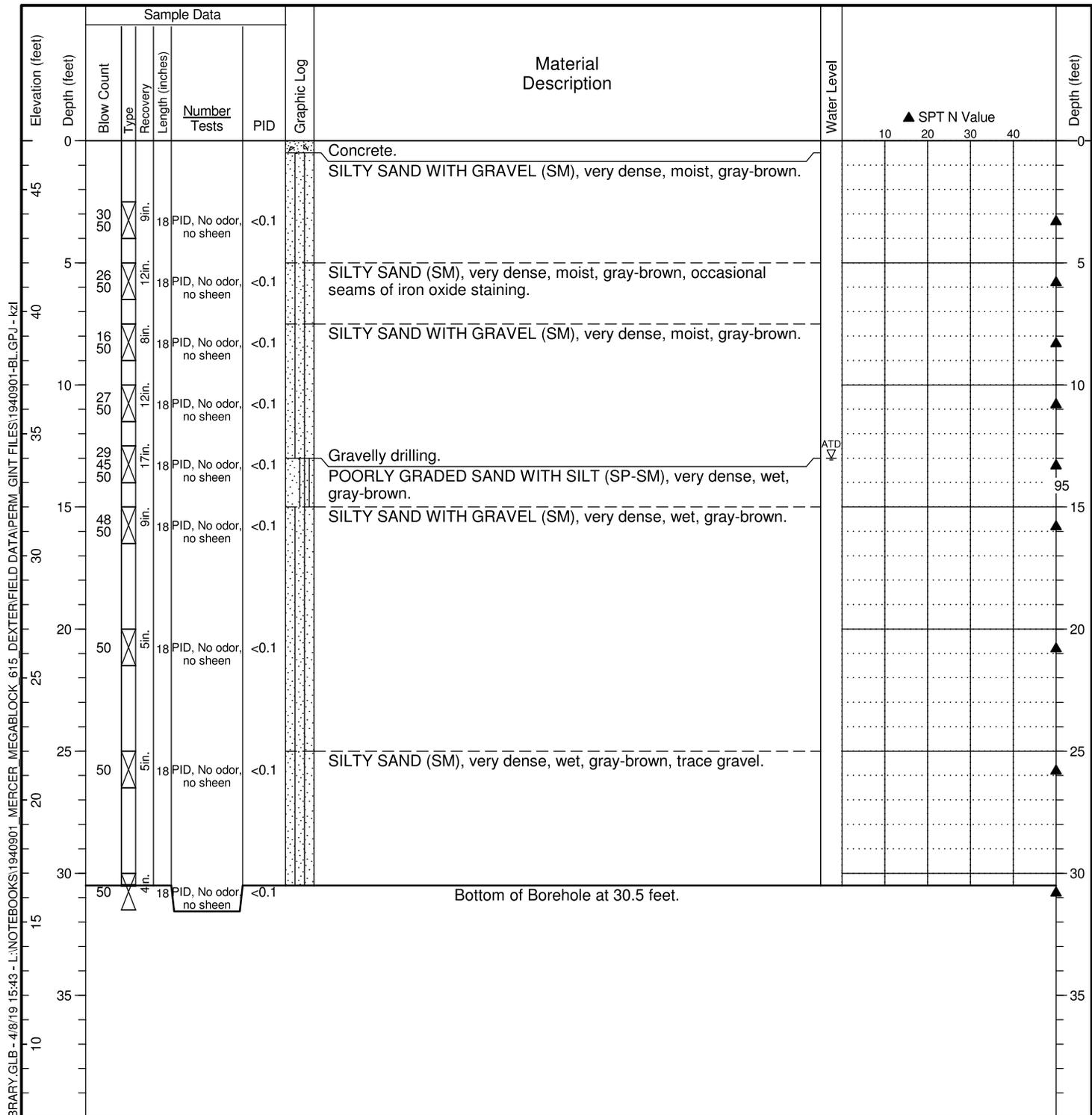


Project: Mercer Megablock
 Location: Seattle, WA
 Project No.: 19409-01

Push Probe Log
DPP-2

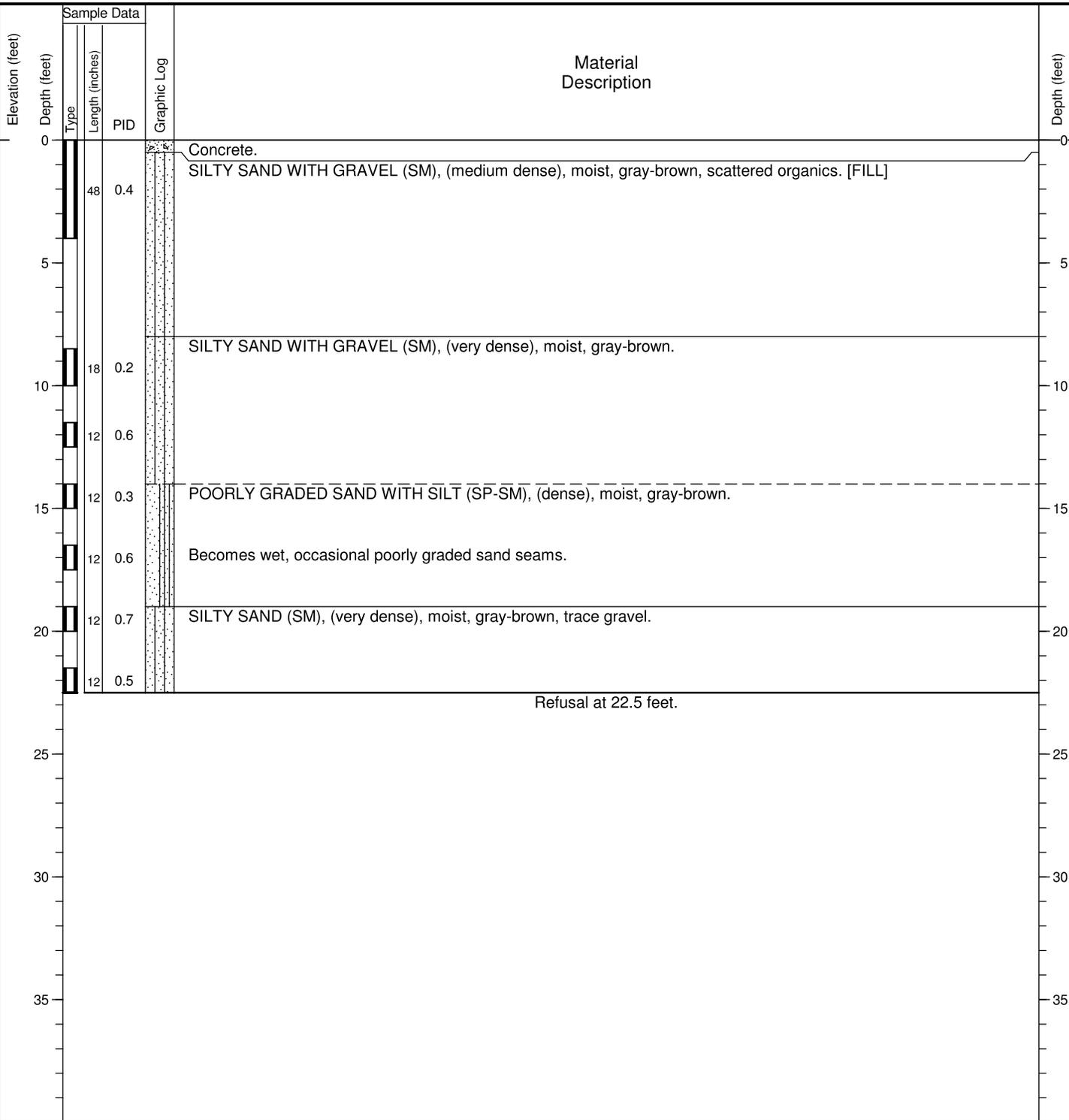
Figure **A-9**
 Sheet **1 of 1**

Date Started: 3/5/19 Date Completed: 3/5/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625293 Long: -122.342633 Rig Model/Type:
 Ground Surface Elevation: 47 feet Hammer Type: Auto-hammer
 Horizontal Datum: Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Vertical Datum: Measured Hammer Efficiency (%): NA
 Comments: Location and ground surface elevations are approximate. SURVEYED Hole Diameter: Casing Diameter: NA
 LOCATION Total Depth: 30.5 feet Depth to Groundwater: 13 feet



General Notes:
 1. Refer to Figure A-1 for explanation of descriptions and symbols.
 2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
 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.

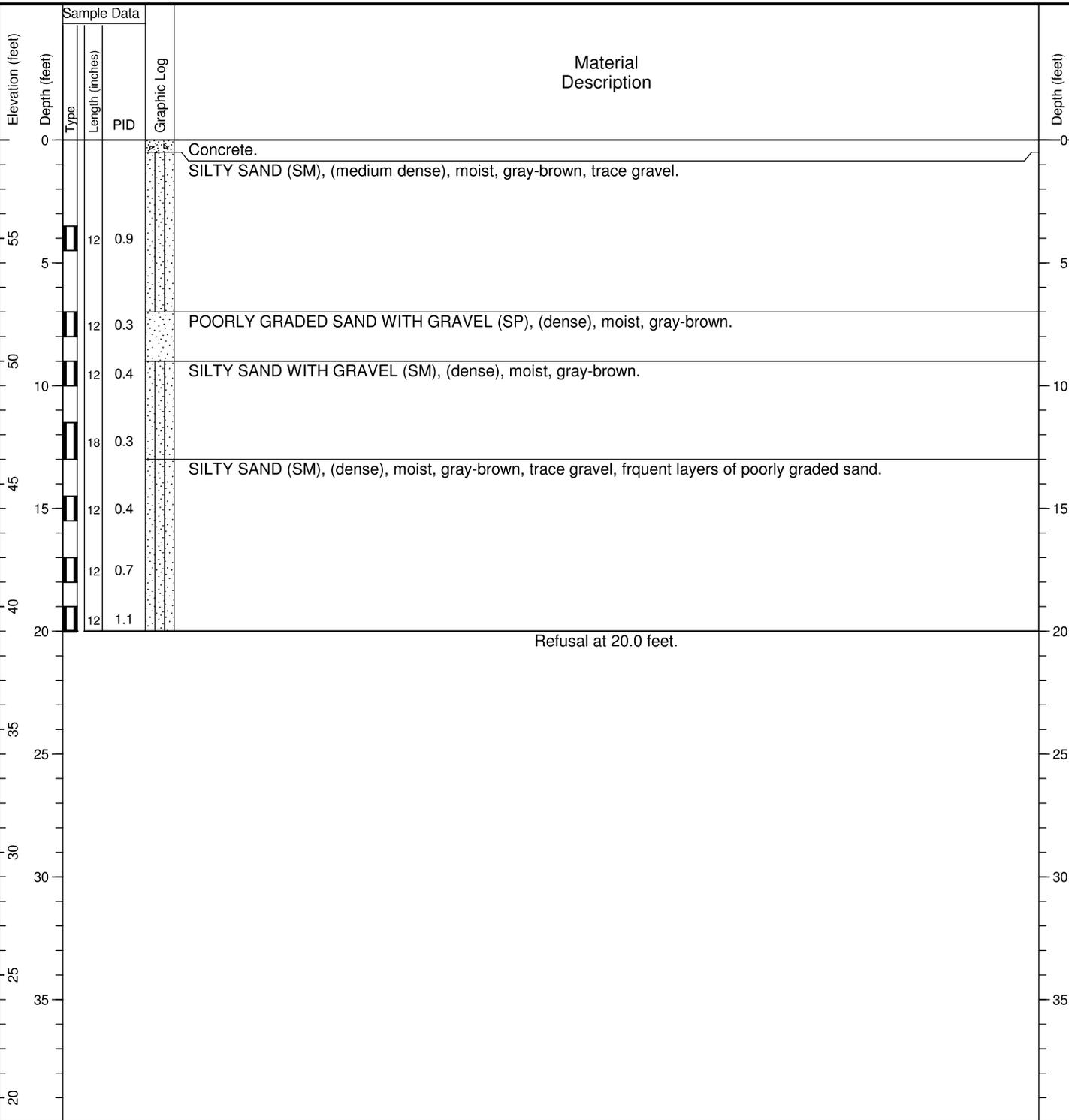
Date Started: 3/4/19 Date Completed: 3/4/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: B. McDonald Checked by: C. Kroskie Drilling Method: _____
 Location: Lat: 47.625036 Long: -122.342973 Rig Model/Type: GeoProbe® 7822DT
 Ground Surface Elevation: _____ Hammer Type: _____
 Horizontal Datum: _____ Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Vertical Datum: _____ Measured Hammer Efficiency (%): NA
 Comments: Location and ground surface elevations are approximate. SURVEYED Hole Diameter: _____ Casing Diameter: NA
 LOCATION Total Depth: 22.5 feet Depth to Groundwater: Not Identified



General Notes:
 1. Refer to Figure A-1 for explanation of descriptions and symbols.
 2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
 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.

HC BORING LOG - J:\GINT\HC LIBRARY.GLB - 4/8/19 15:43 - L:\NOTEBOOKS\1940901_MERCER_MEGABLOCK_615_DEXTERFIELD DATA\PERM_GINT FILES\1940901-BL.GPJ - kzl

Date Started: 3/4/19 Date Completed: 3/4/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: B. McDonald Checked by: C. Kroskie Drilling Method: _____
 Location: Lat: 47.625287 Long: -122.342933 Rig Model/Type: GeoProbe® 7822DT
 Ground Surface Elevation: 59 feet Hammer Type: _____
 Horizontal Datum: _____ Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Vertical Datum: _____ Measured Hammer Efficiency (%): NA
 Comments: Location and ground surface elevations are approximate. SURVEYED Hole Diameter: _____ Casing Diameter: NA
 LOCATION Total Depth: 20 feet Depth to Groundwater: Not Identified



General Notes:

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
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.

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 4/8/19 15:43 - L:\NOTEBOOKS\1940901 - MERCER MEGABLOCK 615 - DEXTERFIELD DATA\PERM_GINT FILES\1940901-BL.GPJ - kzi

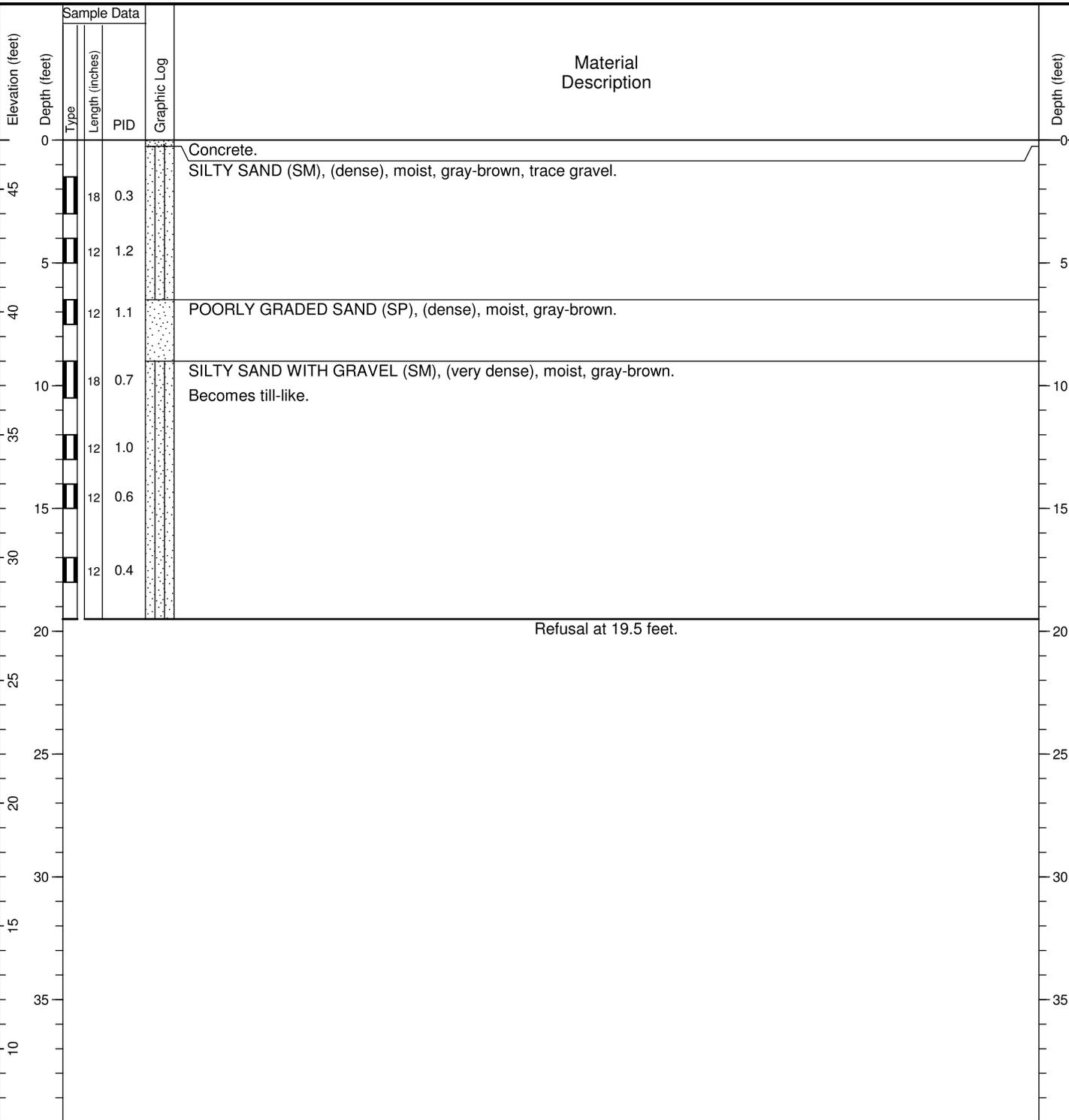


Project: Mercer Megablock
 Location: Seattle, WA
 Project No.: 19409-01

Push Probe Log
DPP-5

Figure **A-12**
 Sheet **1 of 1**

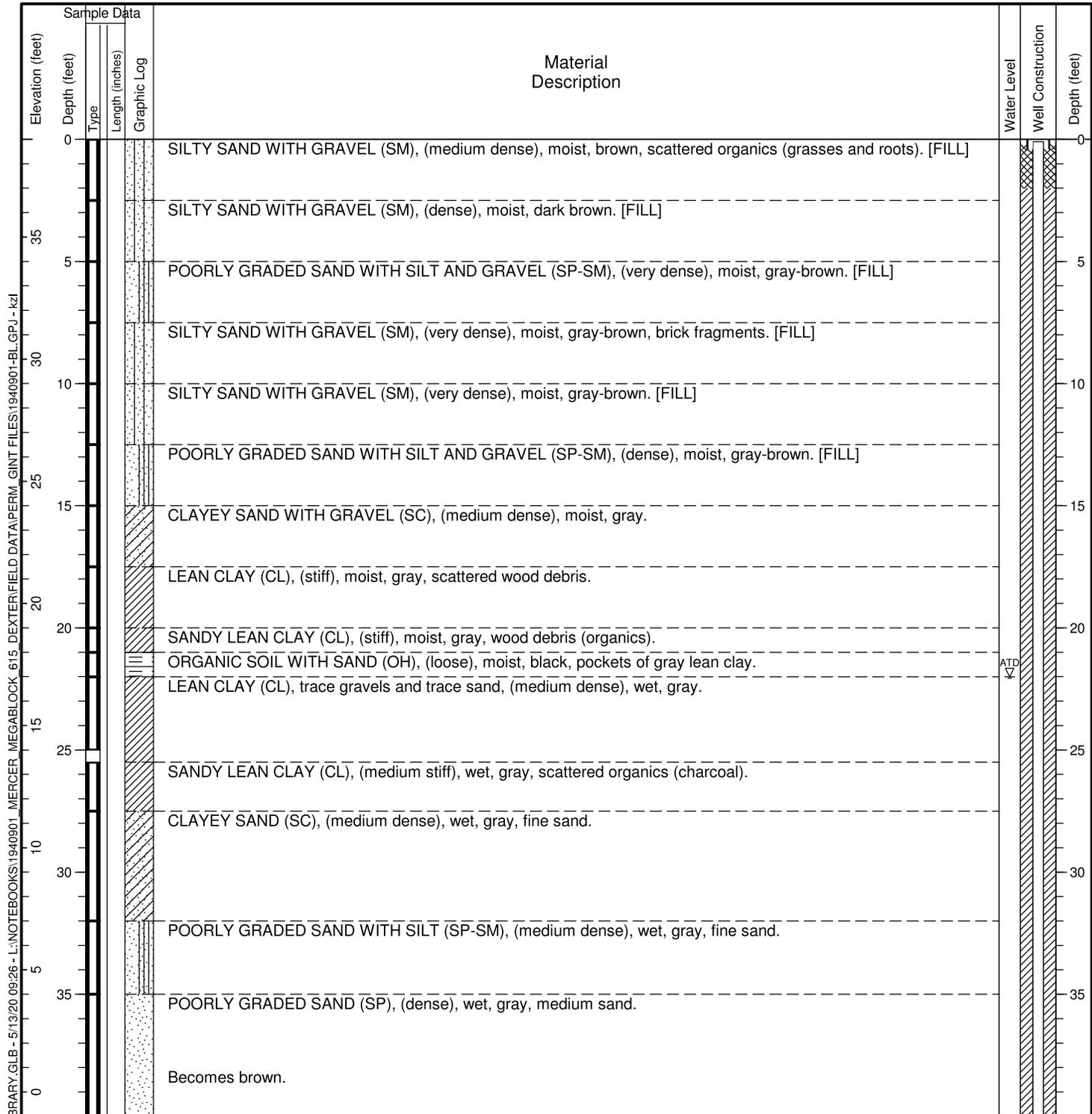
Date Started: 3/5/19 Date Completed: 3/5/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: B. McDonald Checked by: C. Kroskie Drilling Method: _____
 Location: Lat: 47.625183 Long: -122.342703 Rig Model/Type: GeoProbe® 7822DT
 Ground Surface Elevation: 47 feet Hammer Type: _____
 Horizontal Datum: _____ Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Vertical Datum: _____ Measured Hammer Efficiency (%): NA
 Comments: Location and ground surface elevations are approximate. SURVEYED Hole Diameter: _____ Casing Diameter: NA
 LOCATION Total Depth: 19.5 feet Depth to Groundwater: Not Identified



General Notes:
 1. Refer to Figure A-1 for explanation of descriptions and symbols.
 2. Material descriptions and stratum lines are interpretive and actual changes may be gradual. Solid stratum lines indicate distinct contact between material strata or geologic units. Dashed stratum lines indicate gradual or approximate change between material strata or geologic units.
 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.

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Date Started: 3/4/19 Date Completed: 3/4/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: K. Huddleston Checked by: C. Kroskie Drilling Method: Sonic
 Location: Lat: 47.625068 Long: -122.339967 Rig Model/Type: _____
 Ground Surface Elevation: 39 feet Hammer Type: _____
 Comments: Well Tag ID: BLI-197 Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: _____ Casing Diameter: _____
 Total Depth: 90 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.

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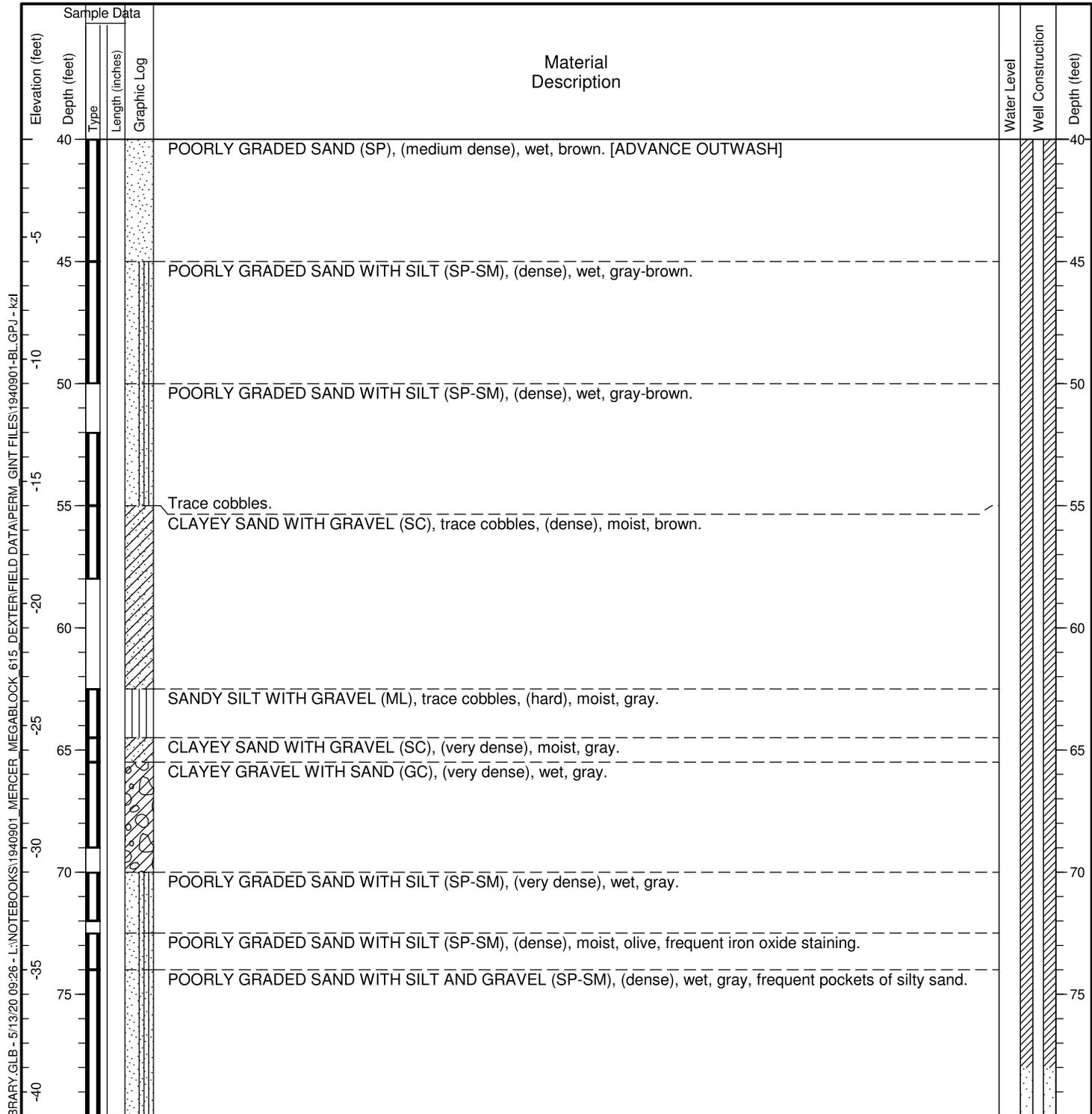


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-1D

Figure **A1-41**
 Sheet **1 of 3**

Date Started: 3/4/19 Date Completed: 3/4/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: K. Huddleston Checked by: C. Kroskie Drilling Method: Sonic
 Location: Lat: 47.625068 Long: -122.339967 Rig Model/Type:
 Ground Surface Elevation: 39 feet Hammer Type:
 Comments: Well Tag ID: BLI-197 Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): Hammer Drop Height (inches):
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: Casing Diameter:
 Total Depth: 90 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.



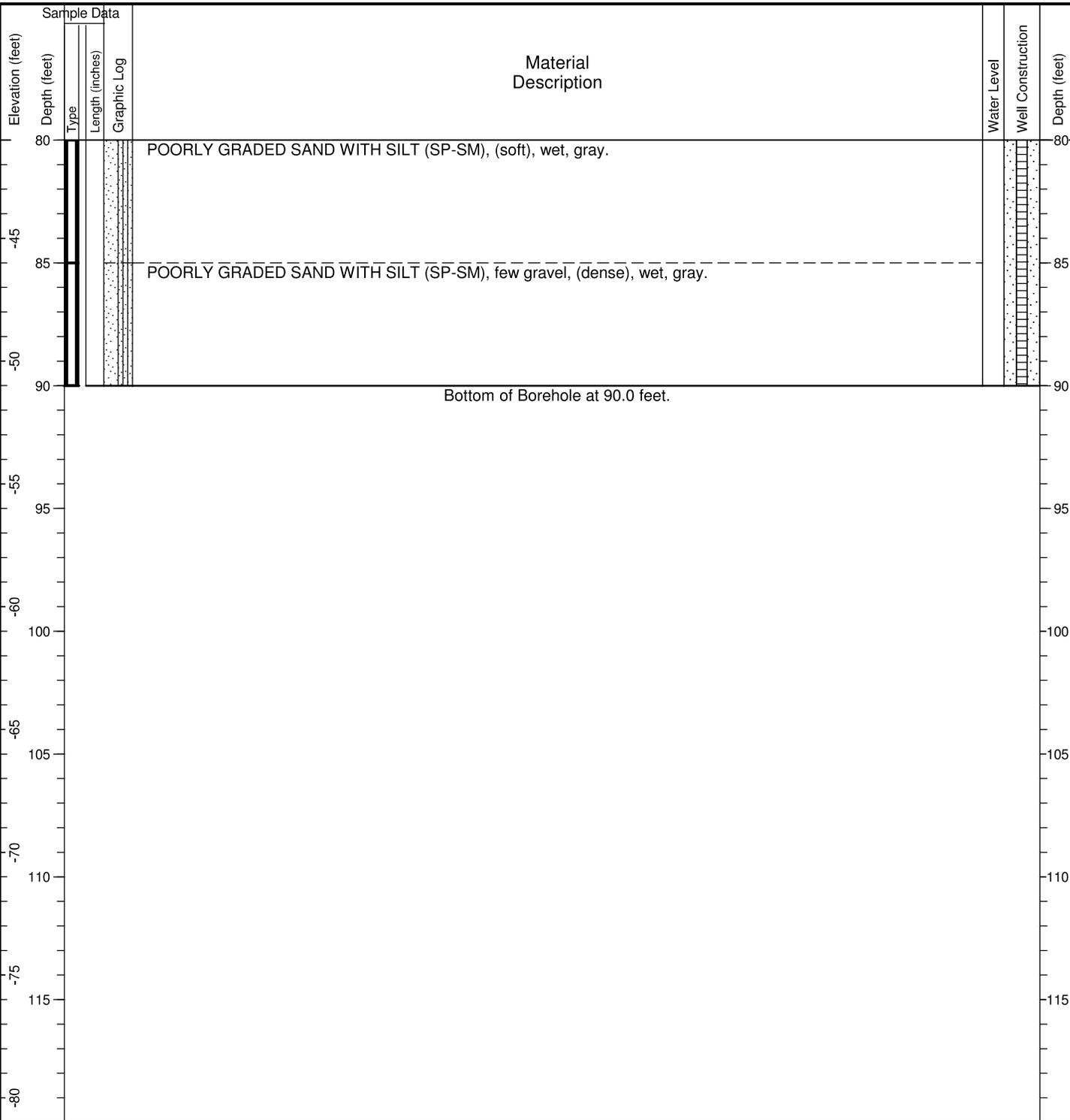
Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-1D

Figure **A1-41**
 Sheet **2 of 3**

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Date Started: 3/4/19 Date Completed: 3/4/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: K. Huddleston Checked by: C. Kroskie Drilling Method: Sonic
 Location: Lat: 47.625068 Long: -122.339967 Rig Model/Type: _____
 Ground Surface Elevation: 39 feet Hammer Type: _____
 Comments: Well Tag ID: BLI-197 Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: _____ Casing Diameter: _____
 Total Depth: 90 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.

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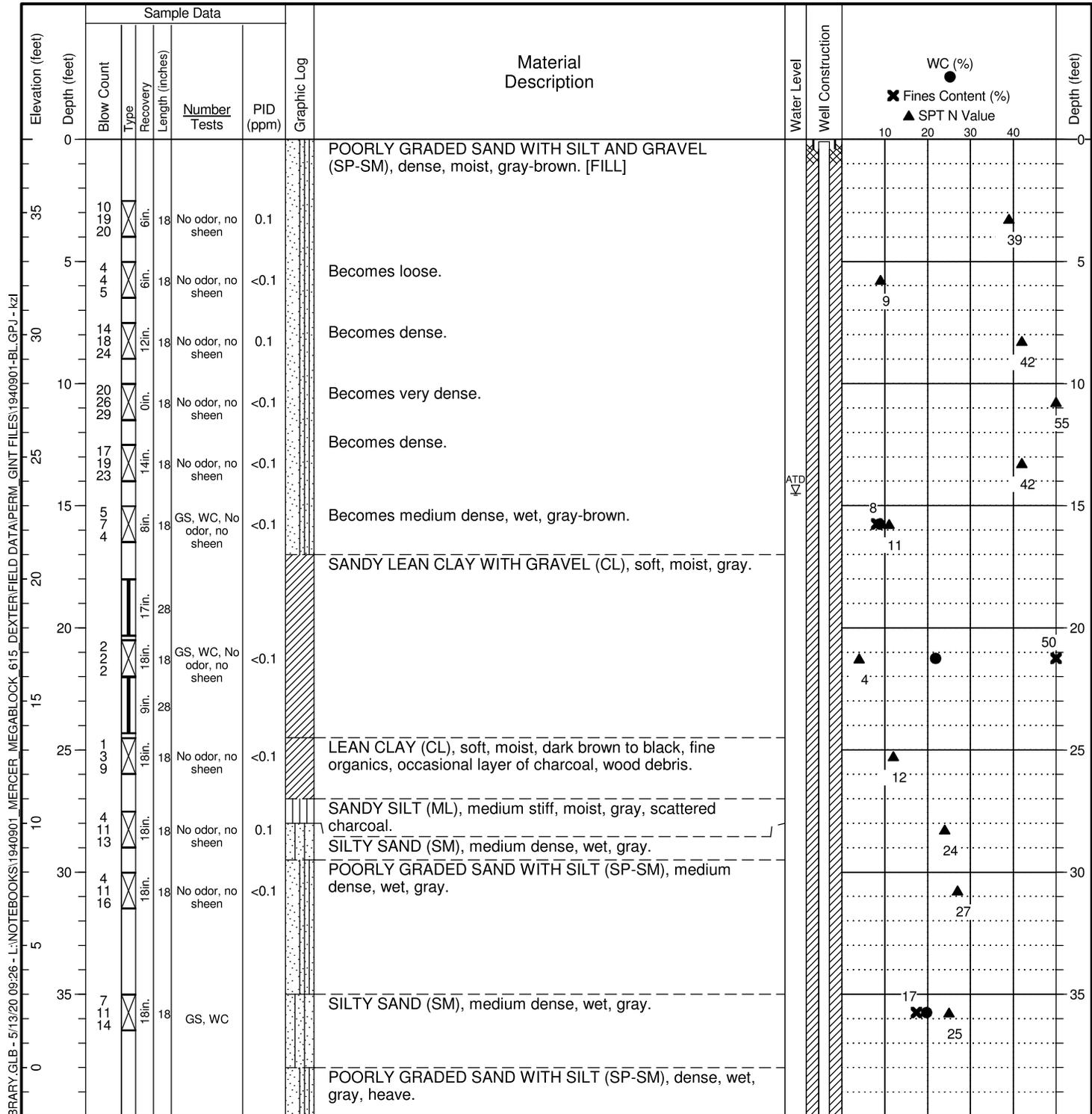


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-1D

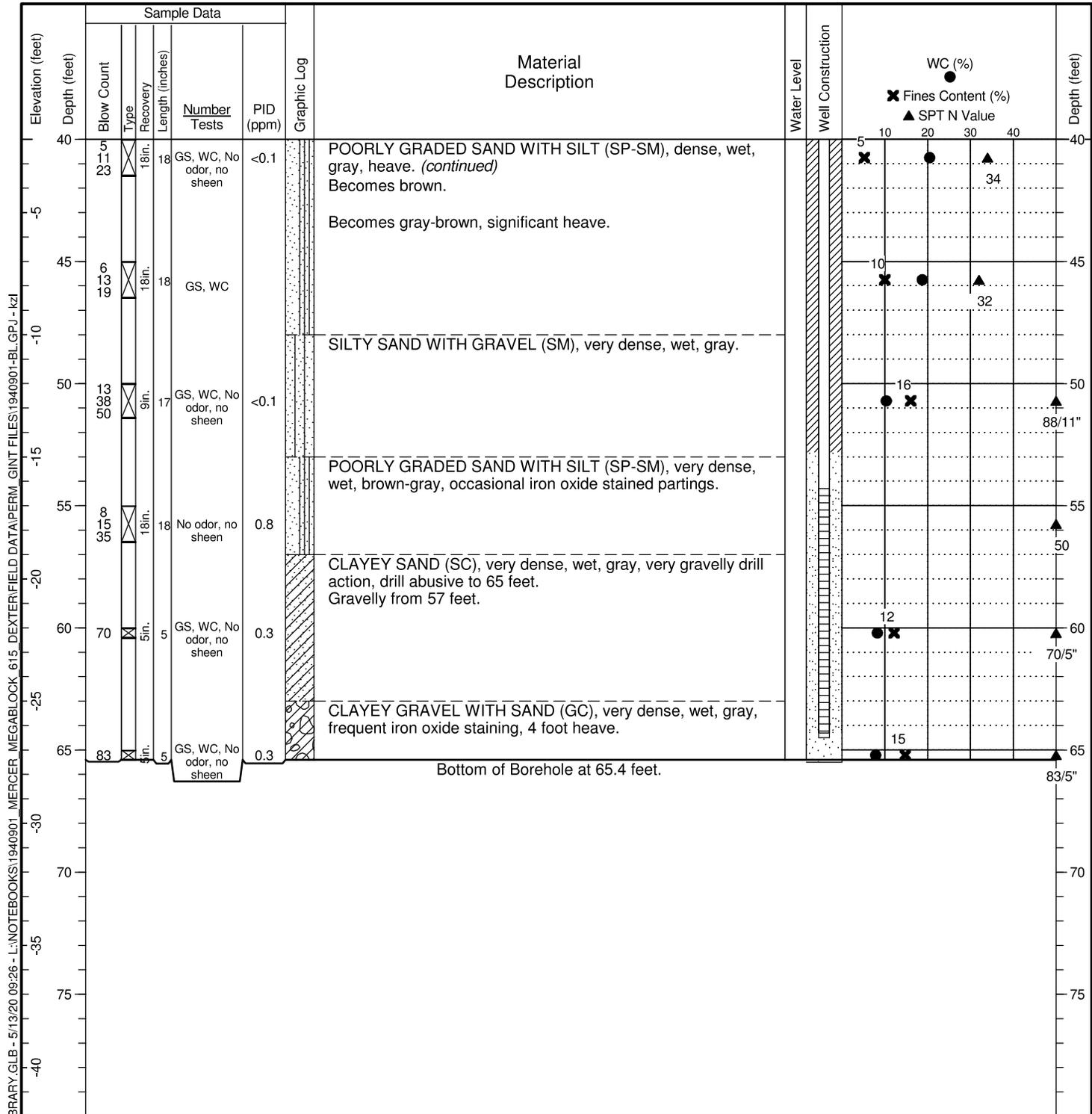
Figure **A1-41**
 Sheet **3 of 3**

Date Started: 3/12/19 Date Completed: 3/13/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: N. Jones/B. McDonald Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625123 Long: -122.339938 Rig Model/Type: Mobile B-57
 Ground Surface Elevation: 38 feet Hammer Type: Auto-hammer
 Comments: Well Tag ID: BLR-917 Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 8.25 inches Casing Diameter: _____
 Total Depth: 65.4 feet Depth to Groundwater: 14.5 feet



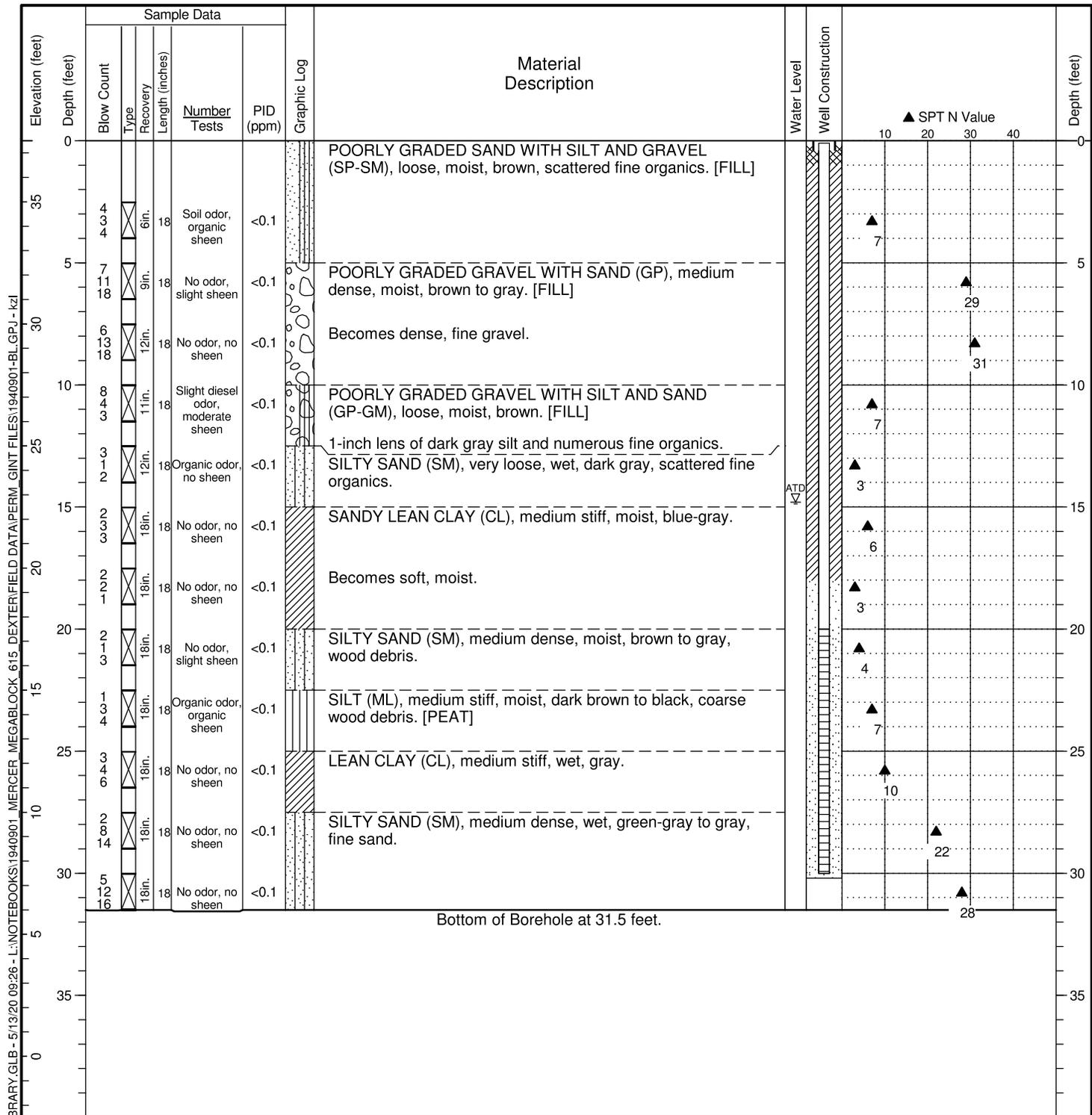
General Notes:
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
 3. USCS designations are based on visual-manual 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: 3/13/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: N. Jones/B. McDonald Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625123 Long: -122.339938 Rig Model/Type: Mobile B-57
 Ground Surface Elevation: 38 feet Hammer Type: Auto-hammer
 Comments: Well Tag ID: BLR-917 Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 8.25 inches Casing Diameter: _____
 Total Depth: 65.4 feet Depth to Groundwater: 14.5 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: 3/6/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. McCabe Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625123 Long: -122.340128 Rig Model/Type:
 Ground Surface Elevation: 37.5 feet Hammer Type: Auto-hammer
 Comments: Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: Casing Diameter:
 Total Depth: 31.5 feet Depth to Groundwater: 14.8 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.



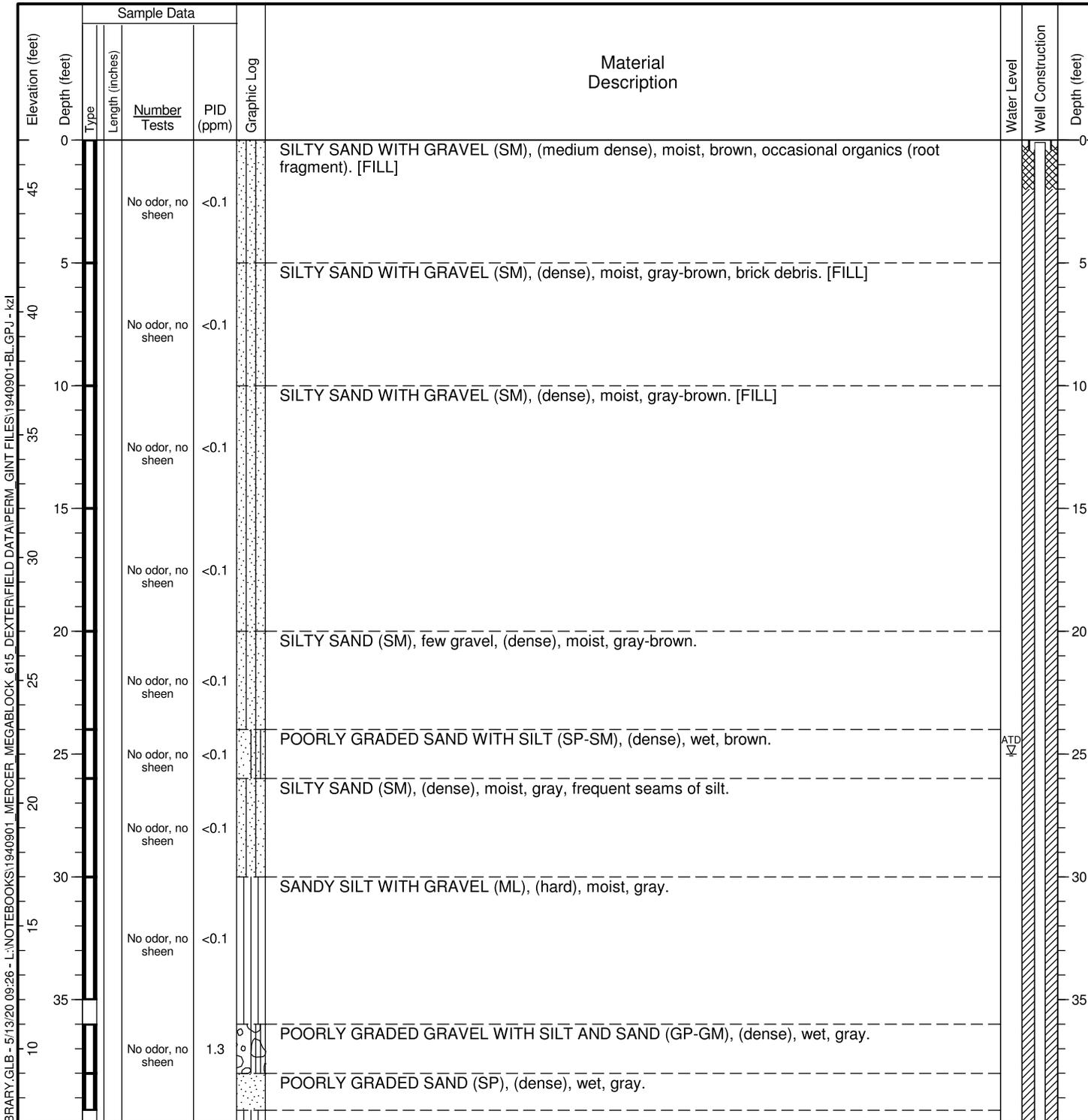
Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Boring Log
 HMW-1S

Figure A1-43
 Sheet 1 of 1

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:26 - L:\NOTEBOOKS\1940901-MERCER MEGABLOCK 615 DEXTERFIELD DATA\PERM GINT FILES\1940901-BL.GPJ - kz1

Date Started: 3/5/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: K. Huddleston Checked by: C. Kroskie Drilling Method: Sonic
 Location: Lat: 47.625124 Long: -122.340885 Rig Model/Type: _____
 Ground Surface Elevation: 47 feet Hammer Type: _____
 Comments: Location and ground surface elevations are approximate. SURVEYED Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
LOCATION Measured Hammer Efficiency (%): Not Available
 Hole Diameter: _____ Casing Diameter: _____
 Total Depth: 90 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.



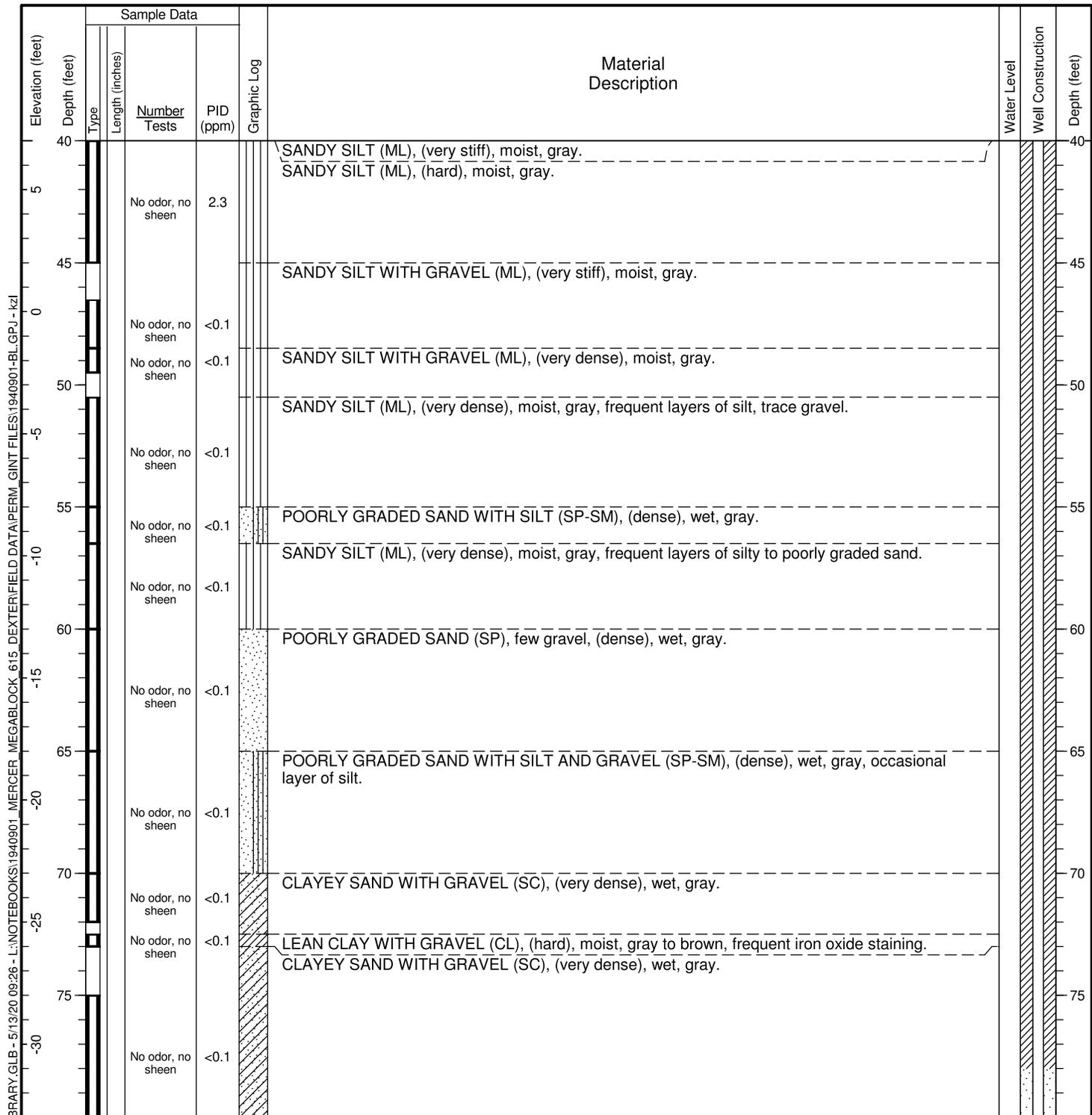
Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-2D

Figure **A1-44**
 Sheet **1 of 3**

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:26 - L:\NOTEBOOKS\1940901 MERCER MEGABLOCK 615 DEXTERFIELD DATA\PERM GINT FILES\1940901-BL.GPJ - kz1

Date Started: 3/5/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: K. Huddleston Checked by: C. Kroskie Drilling Method: Sonic
 Location: Lat: 47.625124 Long: -122.340885 Rig Model/Type:
 Ground Surface Elevation: 47 feet Hammer Type:
 Comments: Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): Hammer Drop Height (inches):
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: Casing Diameter:
 Total Depth: 90 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.



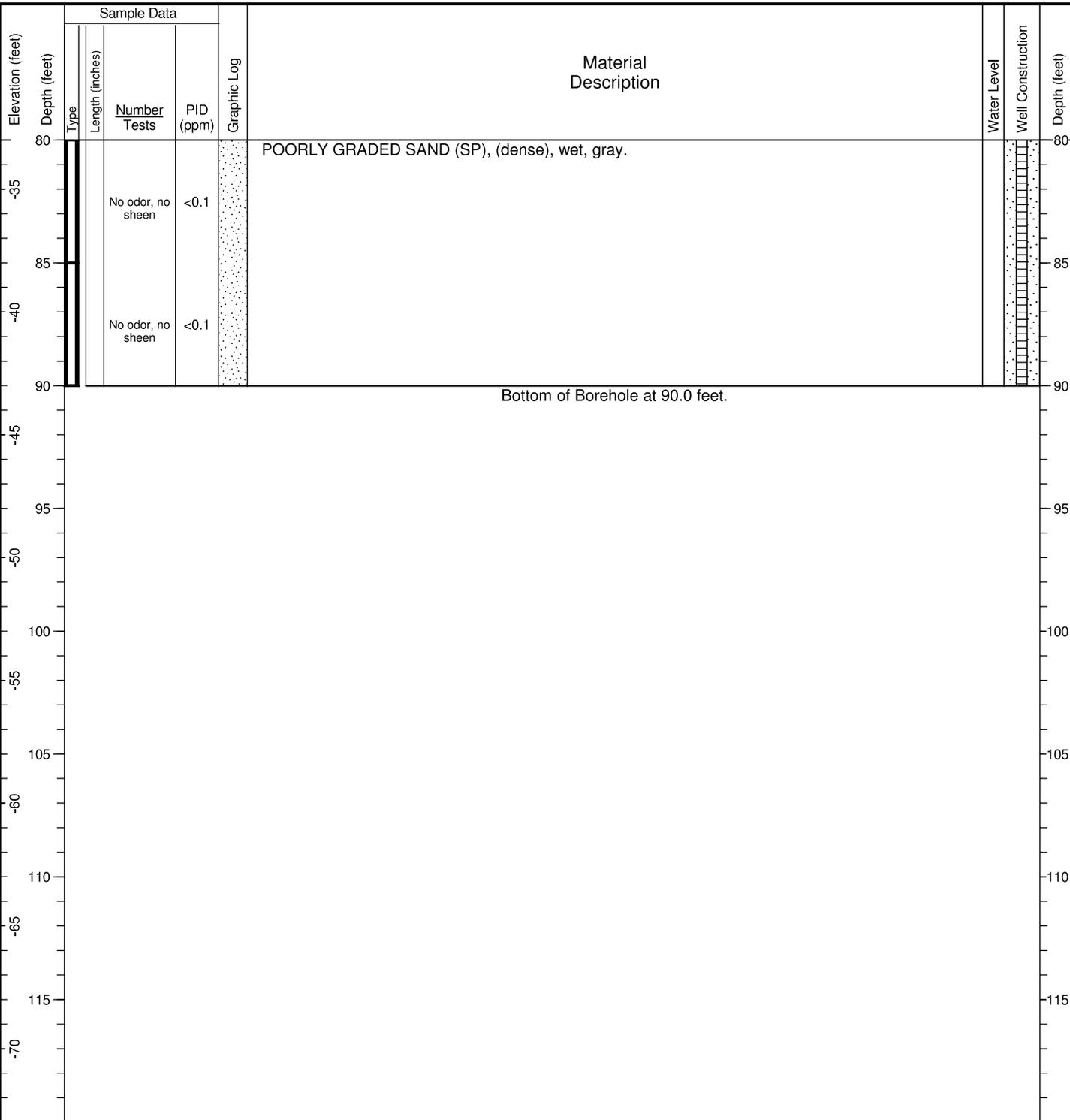
Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-2D

Figure **A1-44**
 Sheet **2 of 3**

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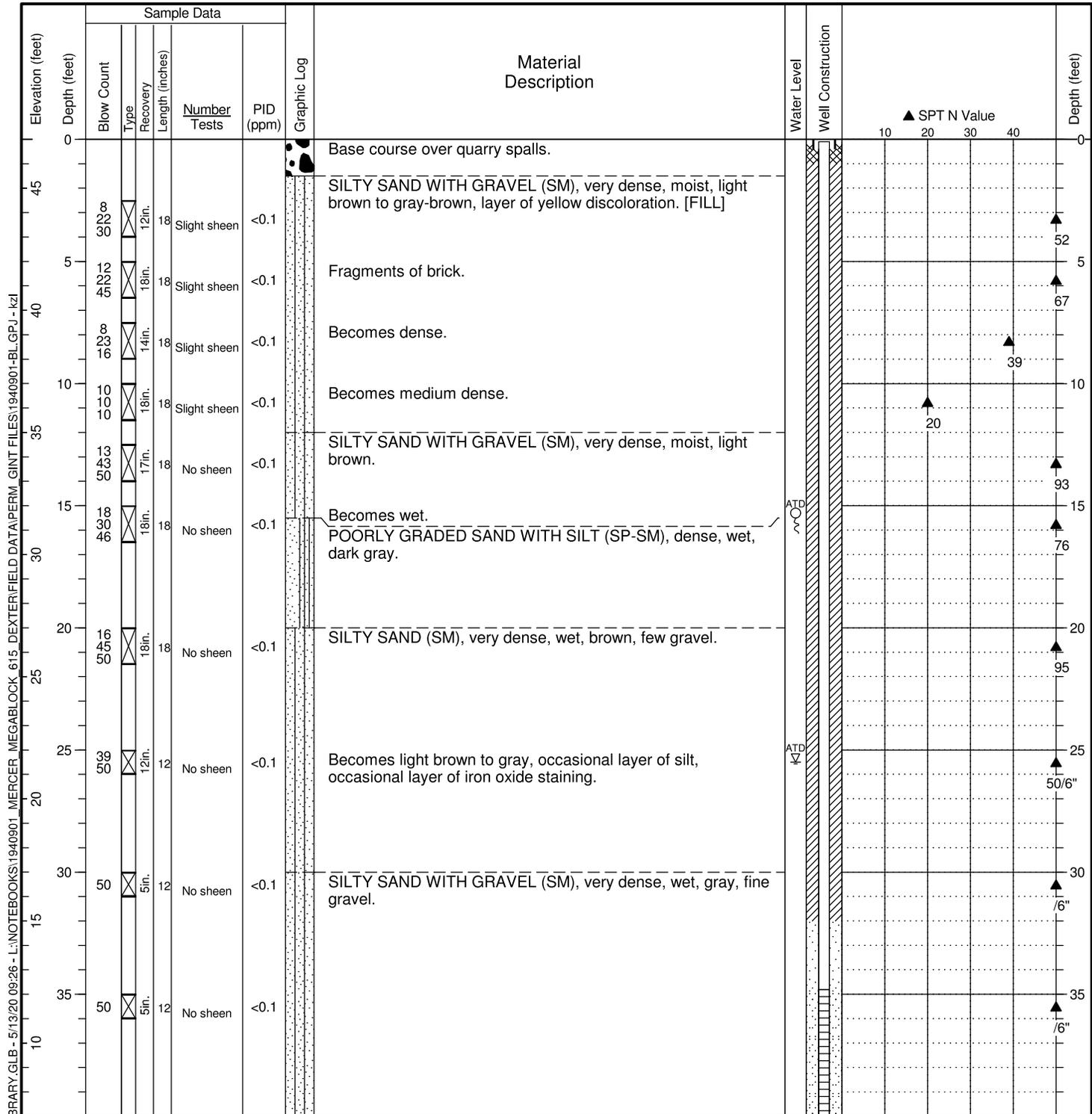
Date Started: 3/5/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: K. Huddleston Checked by: C. Kroskie Drilling Method: Sonic
 Location: Lat: 47.625124 Long: -122.340885 Rig Model/Type: _____
 Ground Surface Elevation: 47 feet Hammer Type: _____
 Comments: Location and ground surface elevations are approximate. SURVEYED Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
LOCATION Measured Hammer Efficiency (%): Not Available
 Hole Diameter: _____ Casing Diameter: _____
 Total Depth: 90 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.

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Date Started: 3/8/19 Date Completed: 3/8/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625067 Long: -122.340827 Rig Model/Type:
 Ground Surface Elevation: 47 feet Hammer Type: Auto-hammer
 Comments: Well Tag ID: BLR-922 Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: Casing Diameter:
 Total Depth: 46 feet Depth to Groundwater: 25.5 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.

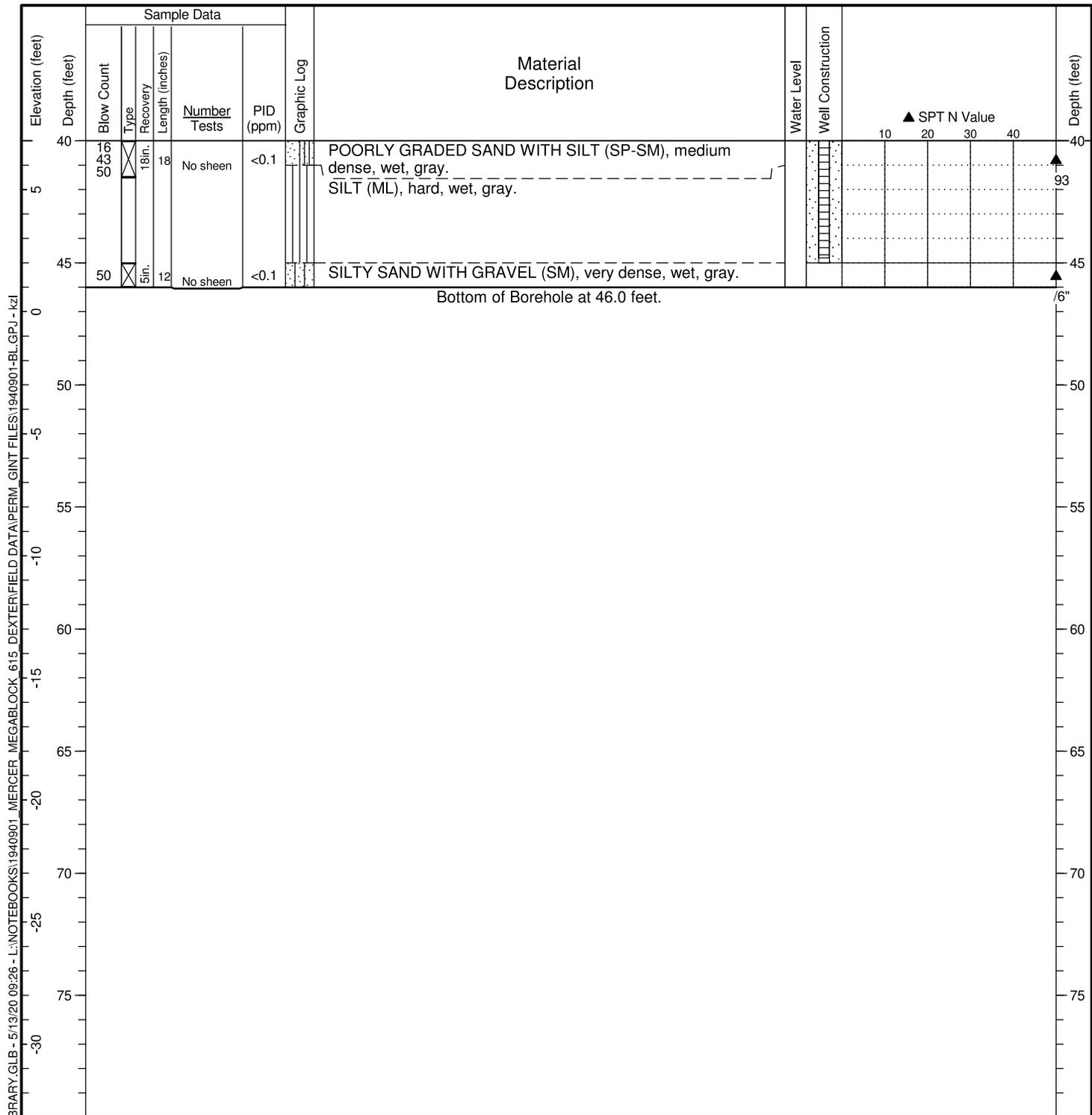


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Boring Log
 HMW-21A

Figure A1-45
 Sheet 1 of 2

Date Started: 3/8/19 Date Completed: 3/8/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625067 Long: -122.340827 Rig Model/Type: _____
 Ground Surface Elevation: 47 feet Hammer Type: Auto-hammer
 Comments: Well Tag ID: BLR-922 Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: _____ Casing Diameter: _____
 Total Depth: 46 feet Depth to Groundwater: 25.5 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.

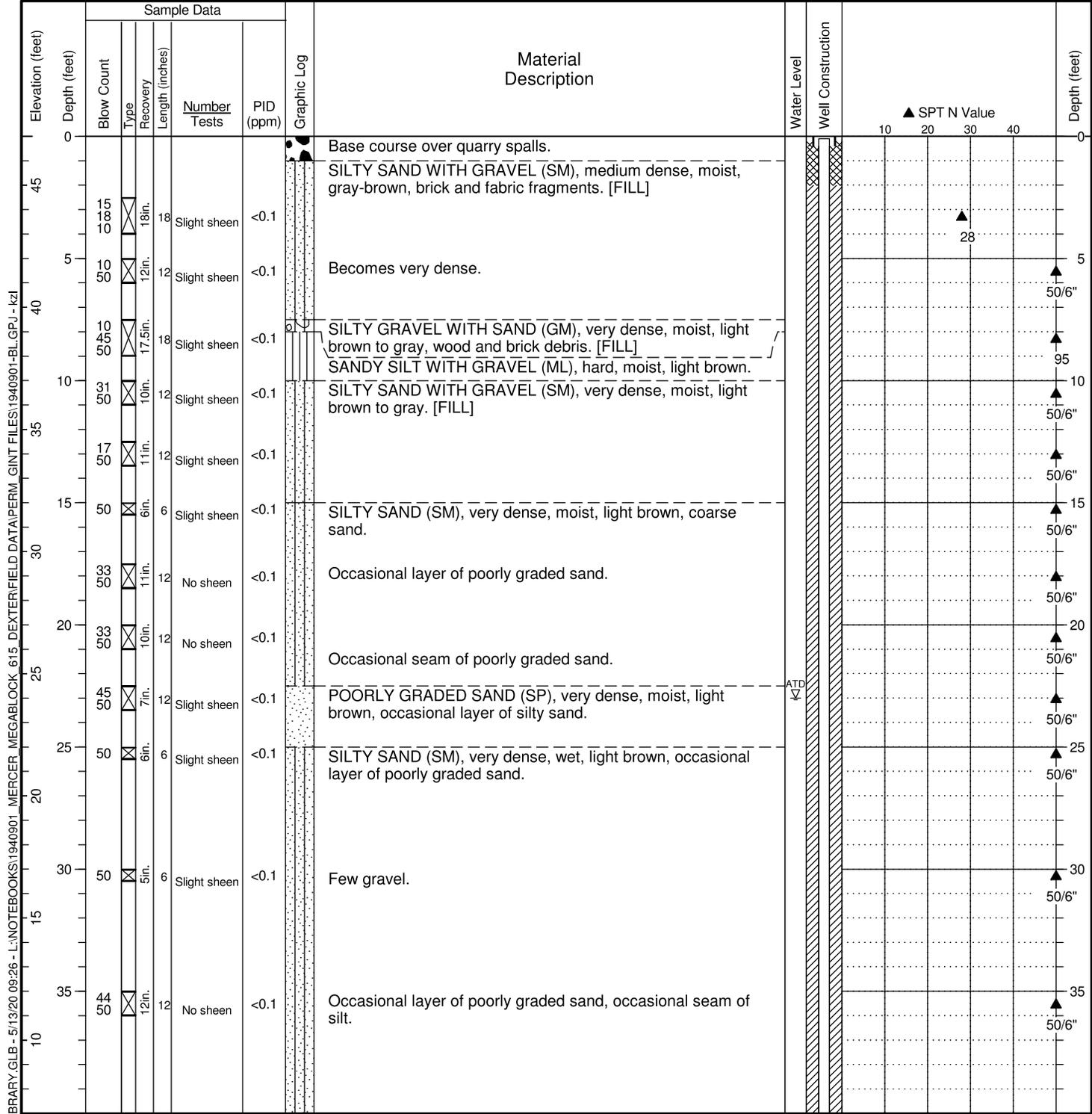


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Boring Log
HMW-21A

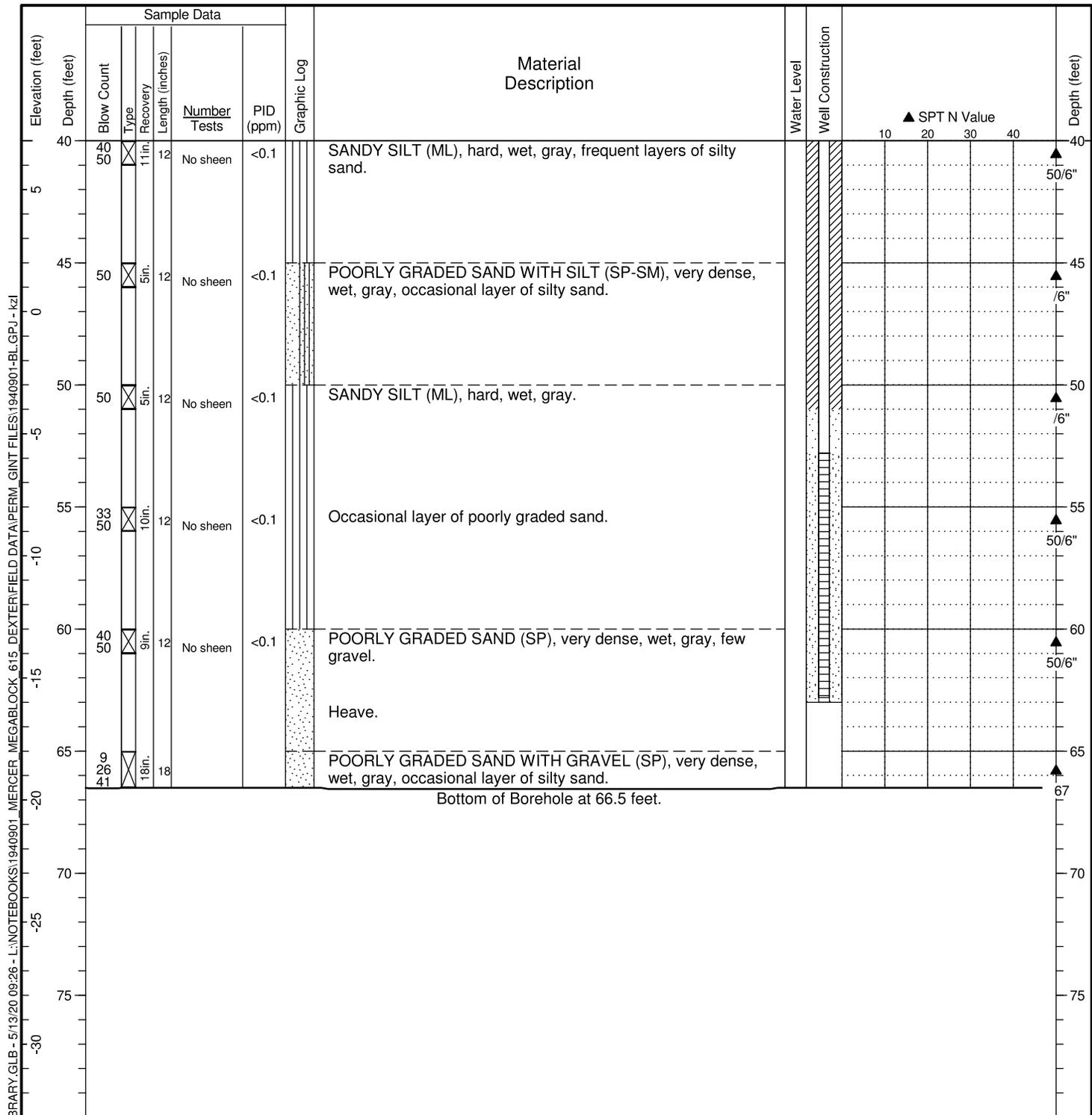
Figure **A1-45**
 Sheet **2 of 2**

Date Started: 3/12/19 Date Completed: 3/12/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625084 Long: -122.340868 Rig Model/Type:
 Ground Surface Elevation: 47 feet Hammer Type: Auto-hammer
 Comments: Well Tag ID: BLR-923 Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: Casing Diameter:
 Total Depth: 66.5 feet Depth to Groundwater: 23 feet



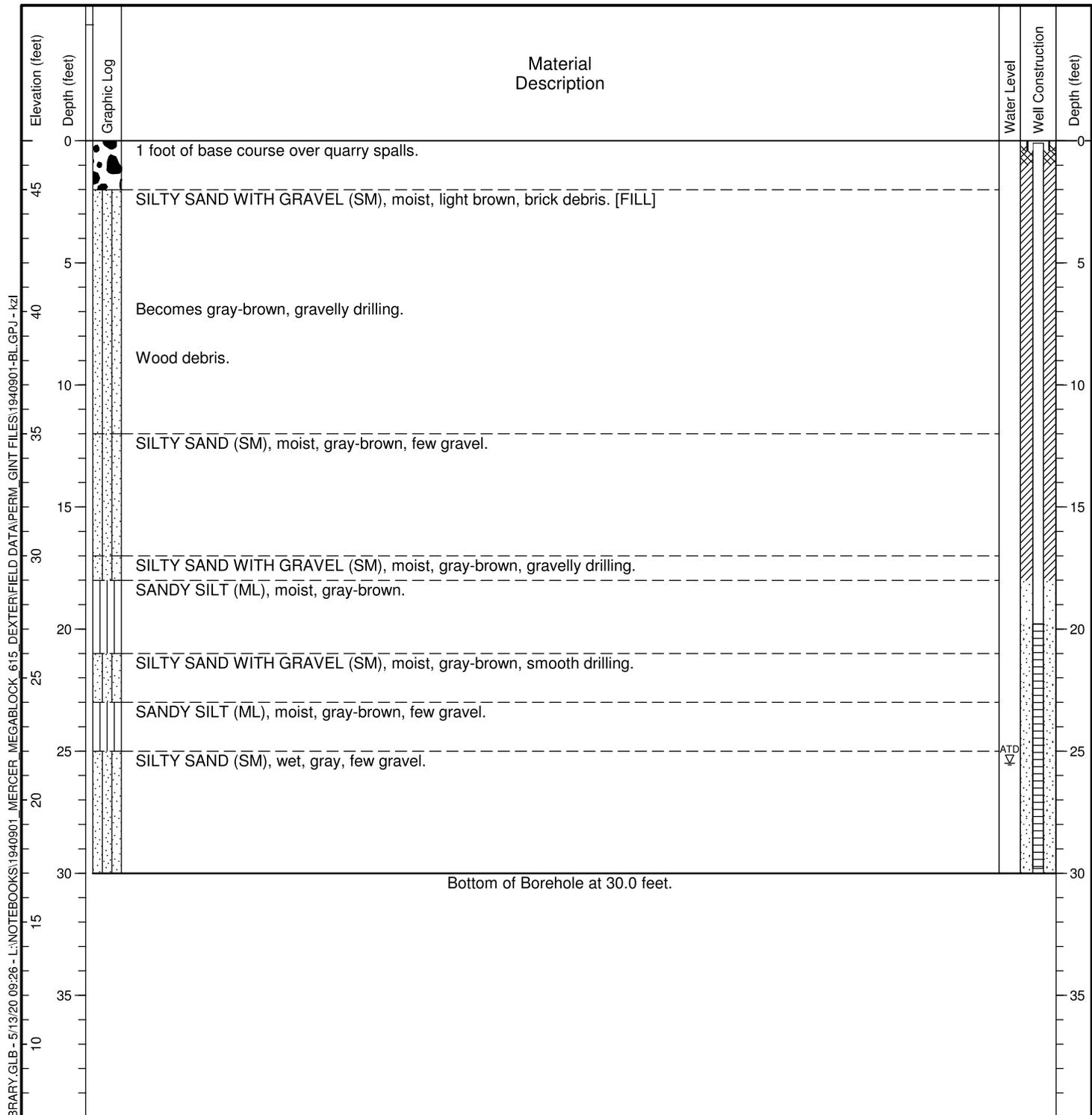
General Notes:
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
 3. USCS designations are based on visual-manual 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.

Date Started: 3/12/19 Date Completed: 3/12/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625084 Long: -122.340868 Rig Model/Type:
 Ground Surface Elevation: 47 feet Hammer Type: Auto-hammer
 Comments: Well Tag ID: BLR-923 Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: Casing Diameter:
 Total Depth: 66.5 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.

Date Started: 3/13/19 Date Completed: 3/13/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625104 Long: -122.340830 Rig Model/Type:
 Ground Surface Elevation: 47 feet Hammer Type: Auto-hammer
 Comments: Well Tag ID: BLR-924 Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: Casing Diameter:
 Total Depth: 30 feet Depth to Groundwater: 25.5 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.

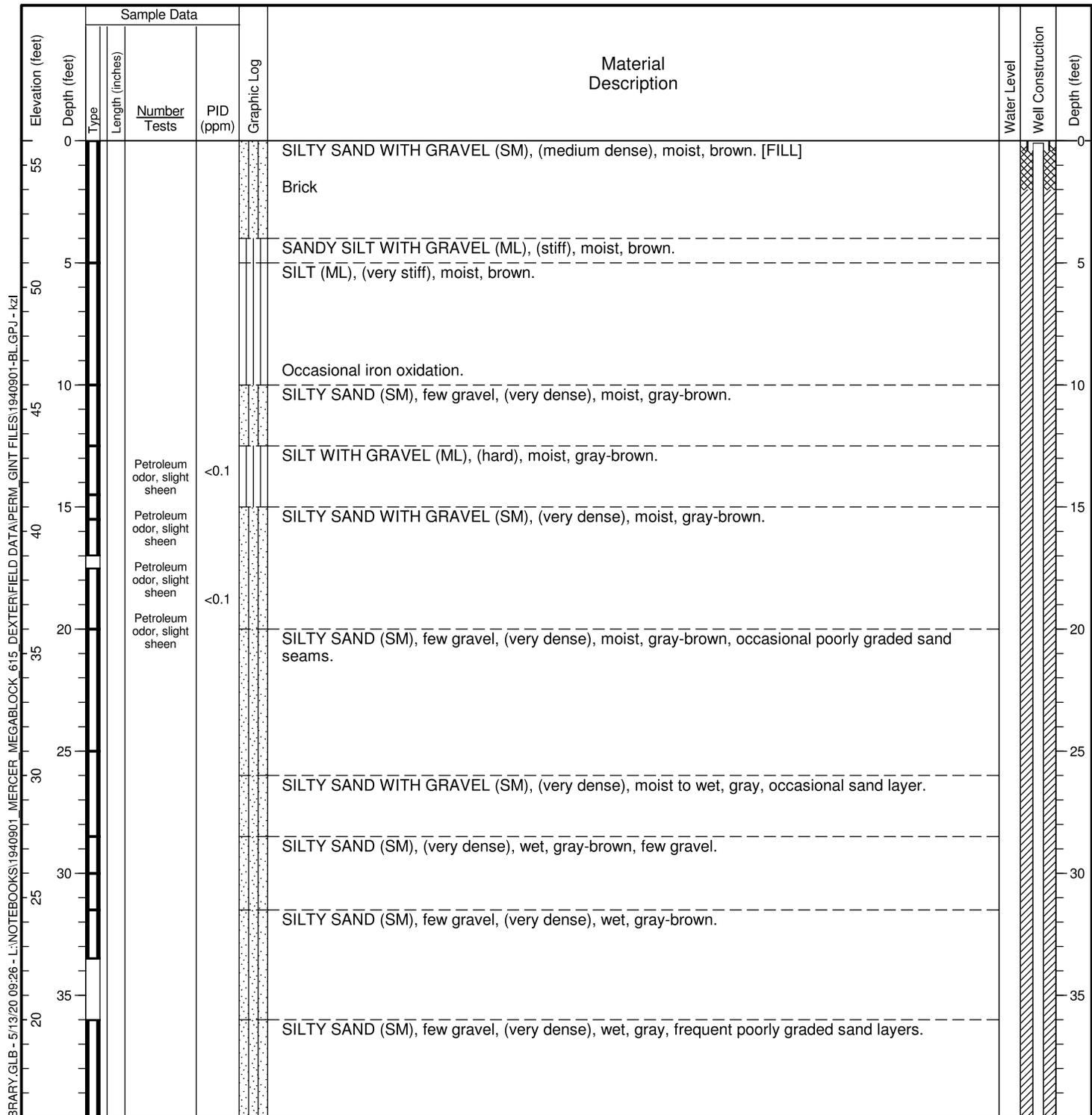


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Boring Log
HMW-2S

Figure **A1-47**
 Sheet **1 of 1**

Date Started: 3/6/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: K. Huddleston Checked by: C. Kroskie Drilling Method: Sonic
 Location: Lat: 47.625151 Long: -122.341930 Rig Model/Type:
 Ground Surface Elevation: 56 feet Hammer Type:
 Comments: Location and ground surface elevations are approximate. SURVEYED LOCATION
 Hammer Weight (pounds): Hammer Drop Height (inches):
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: Casing Diameter:
 Total Depth: 90 feet Depth to Groundwater: 44 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.



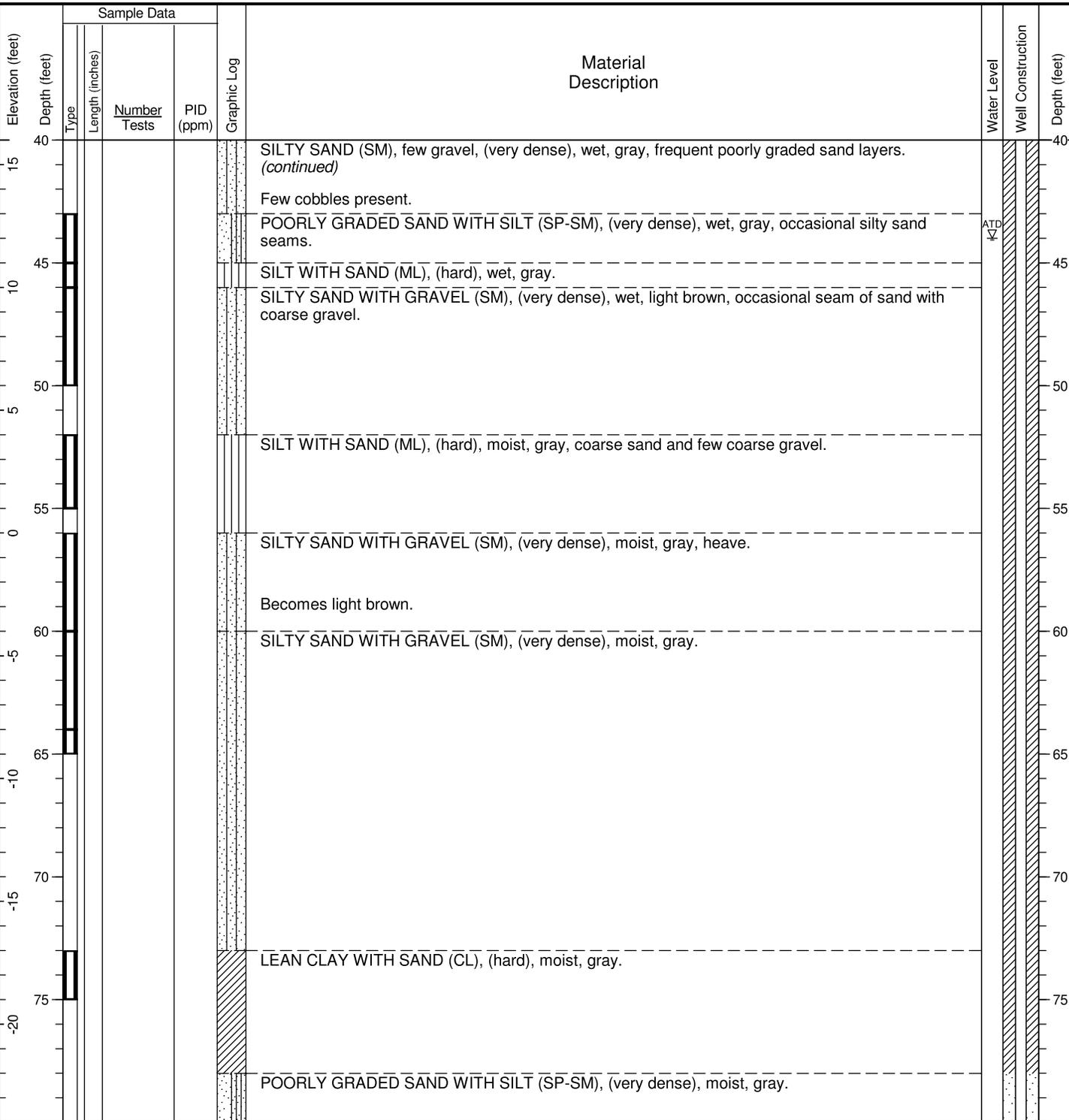
Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-3D

Figure **A1-48**
 Sheet **1 of 3**

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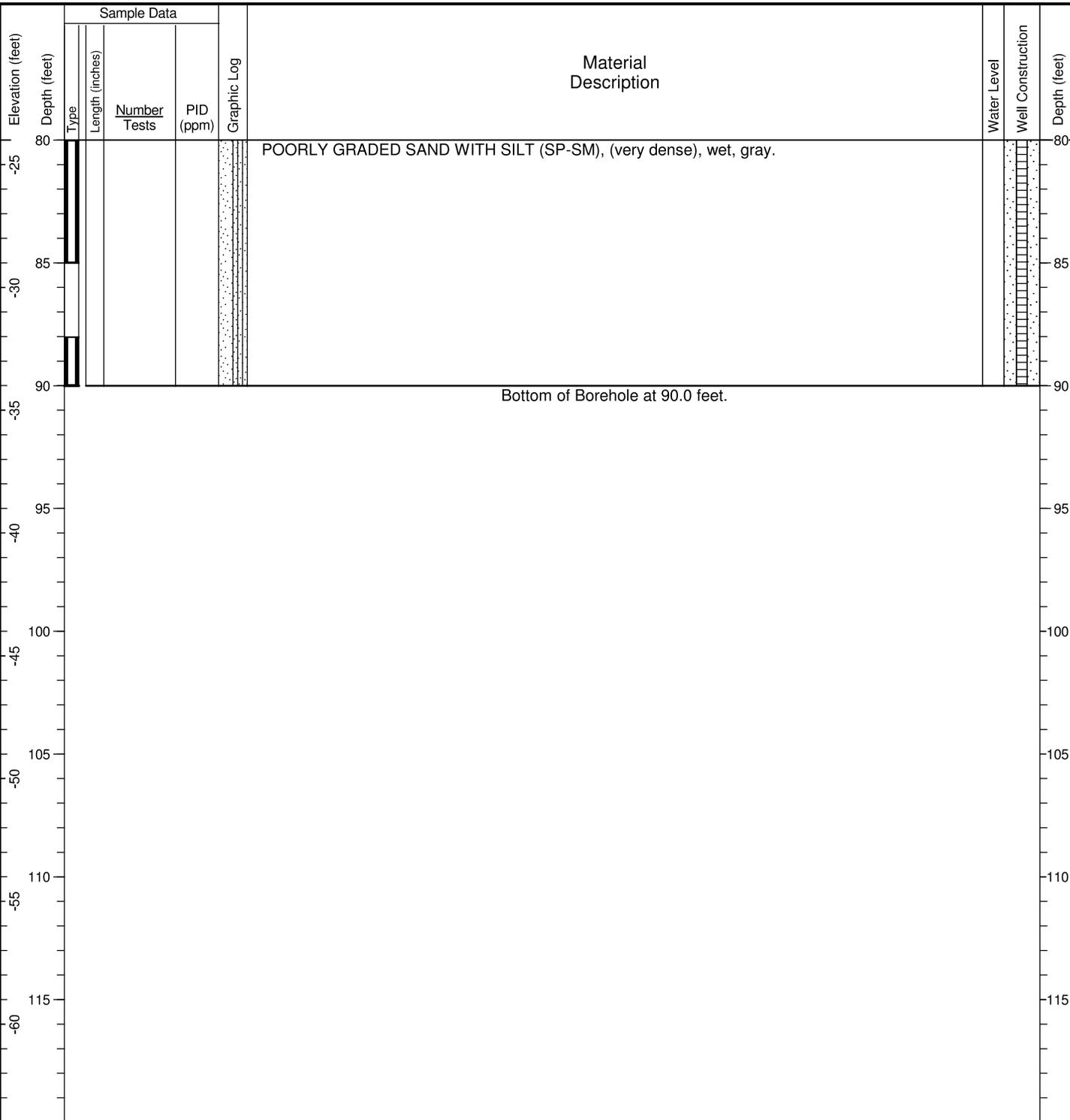
Date Started: 3/6/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: K. Huddleston Checked by: C. Kroskie Drilling Method: Sonic
 Location: Lat: 47.625151 Long: -122.341930 Rig Model/Type: _____
 Ground Surface Elevation: 56 feet Hammer Type: _____
 Comments: Location and ground surface elevations are approximate. SURVEYED Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
LOCATION Measured Hammer Efficiency (%): Not Available
 Hole Diameter: _____ Casing Diameter: _____
 Total Depth: 90 feet Depth to Groundwater: 44 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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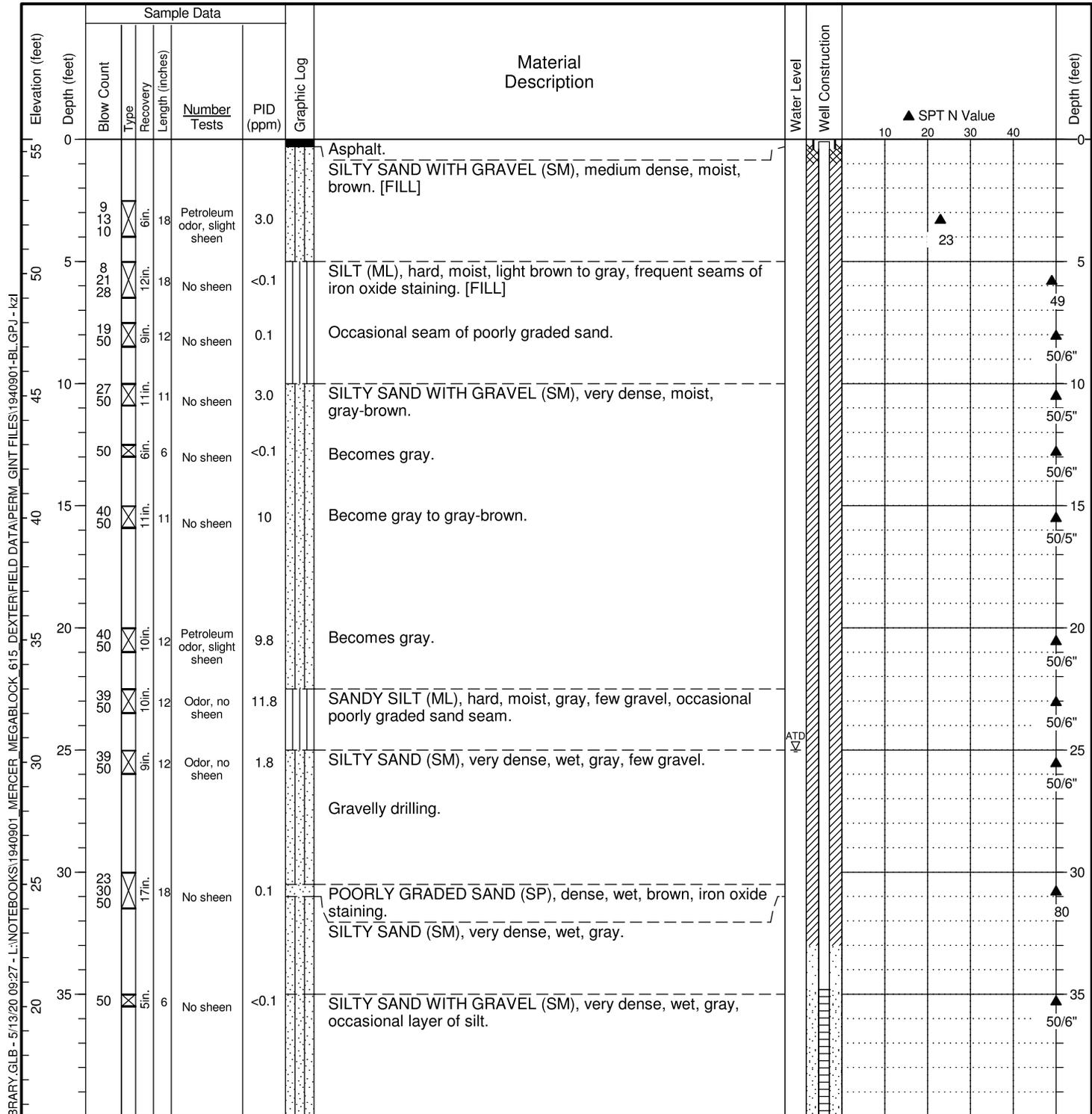
Date Started: 3/6/19 Date Completed: 3/6/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: K. Huddleston Checked by: C. Kroskie Drilling Method: Sonic
 Location: Lat: 47.625151 Long: -122.341930 Rig Model/Type: _____
 Ground Surface Elevation: 56 feet Hammer Type: _____
 Comments: Location and ground surface elevations are approximate. SURVEYED Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
LOCATION Measured Hammer Efficiency (%): Not Available
 Hole Diameter: _____ Casing Diameter: _____
 Total Depth: 90 feet Depth to Groundwater: 44 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: 3/15/19 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: 47.625134 Long: -122.341997 Rig Model/Type:
 Ground Surface Elevation: 55.5 feet Hammer Type: Auto-hammer
 Comments: Well Tag ID: BLR-925 Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: Casing Diameter:
 Total Depth: 45.5 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.



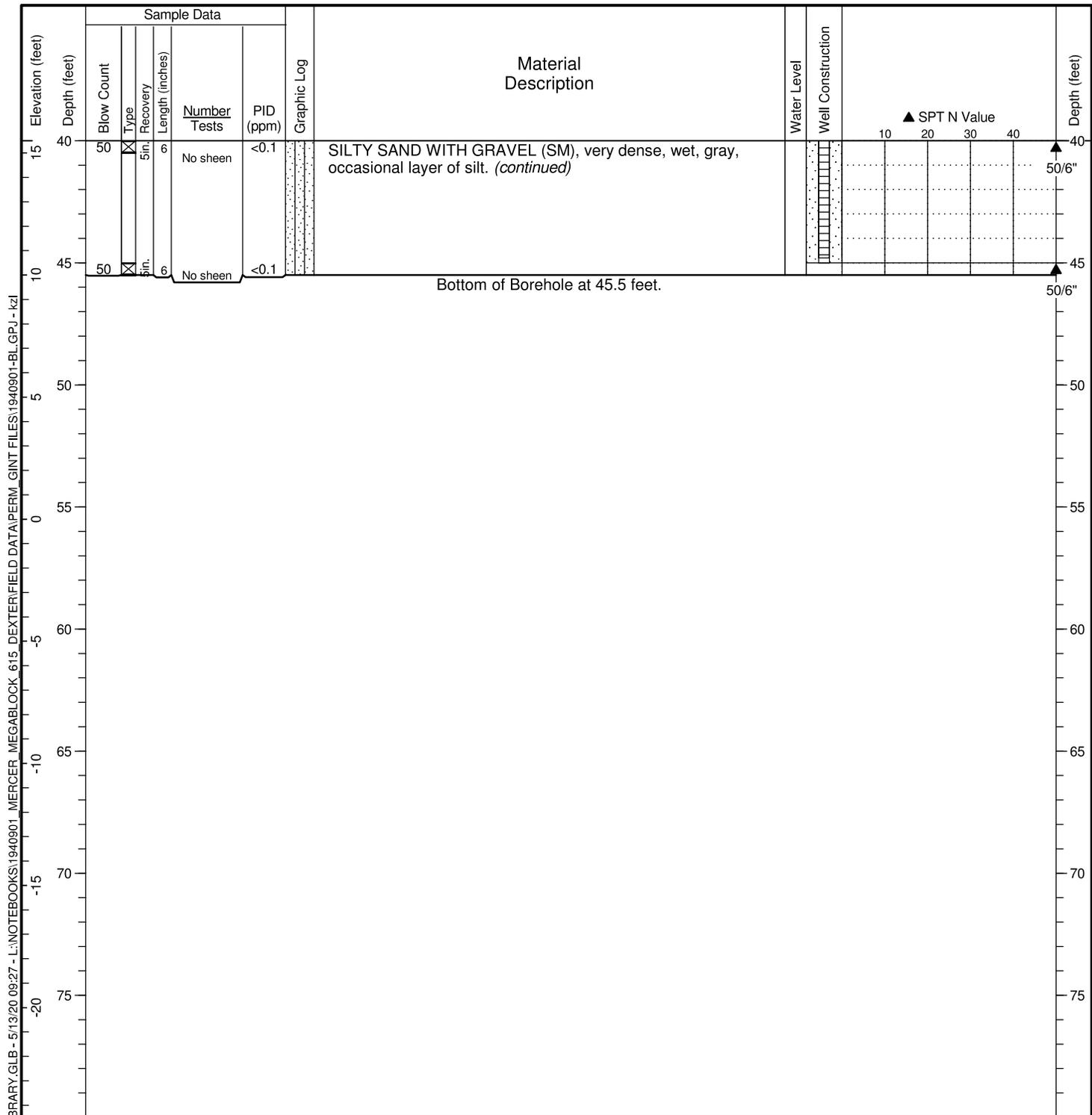
Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Boring Log
 HMW-3IA

Figure A1-49
 Sheet 1 of 2

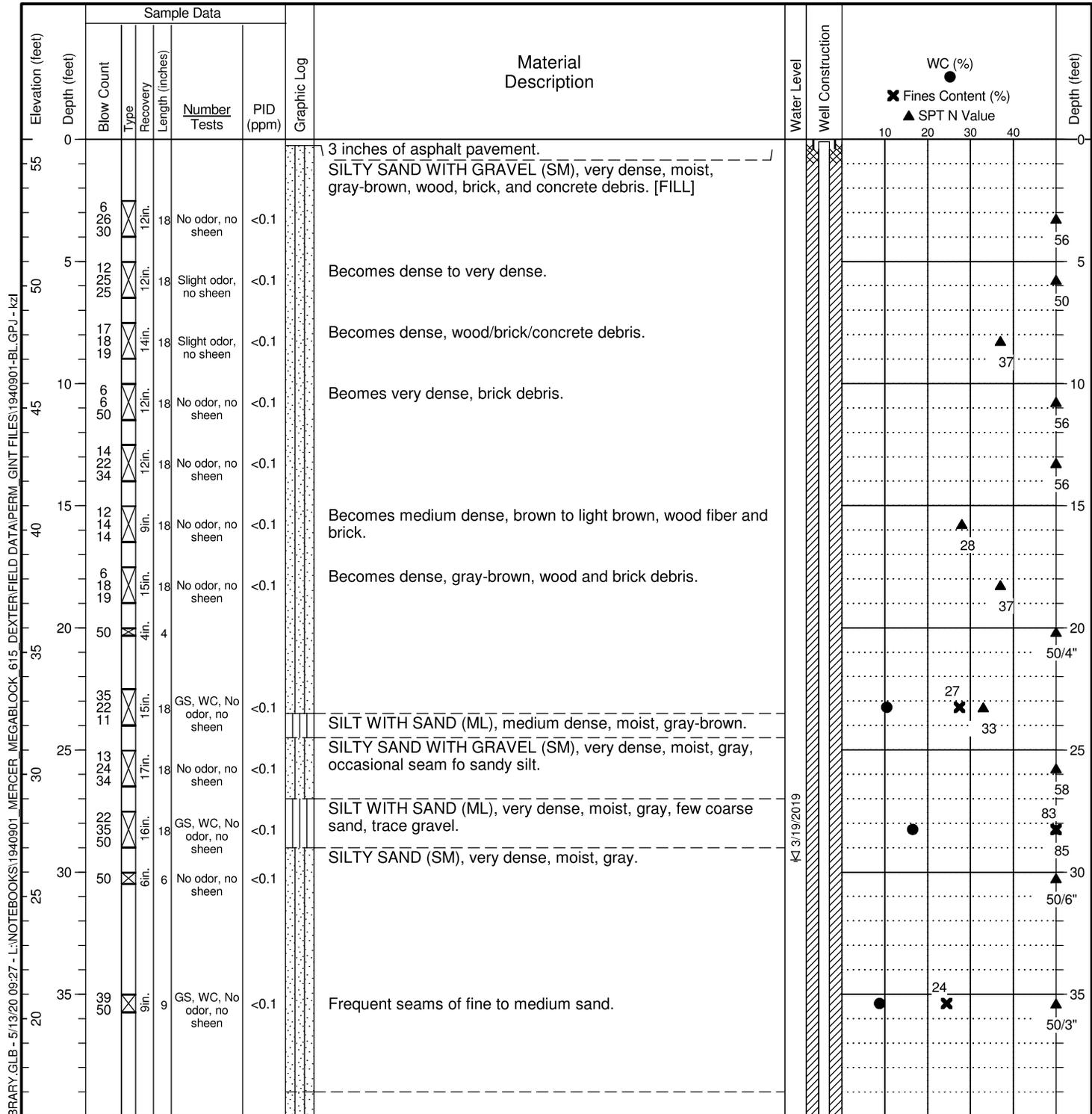
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Date Started: 3/15/19 Date Completed: 3/15/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: C. Kroskie Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.625134 Long: -122.341997 Rig Model/Type: _____
 Ground Surface Elevation: 55.5 feet Hammer Type: Auto-hammer
 Comments: Well Tag ID: BLR-925 Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: _____ Casing Diameter: _____
 Total Depth: 45.5 feet Depth to Groundwater: 25 feet



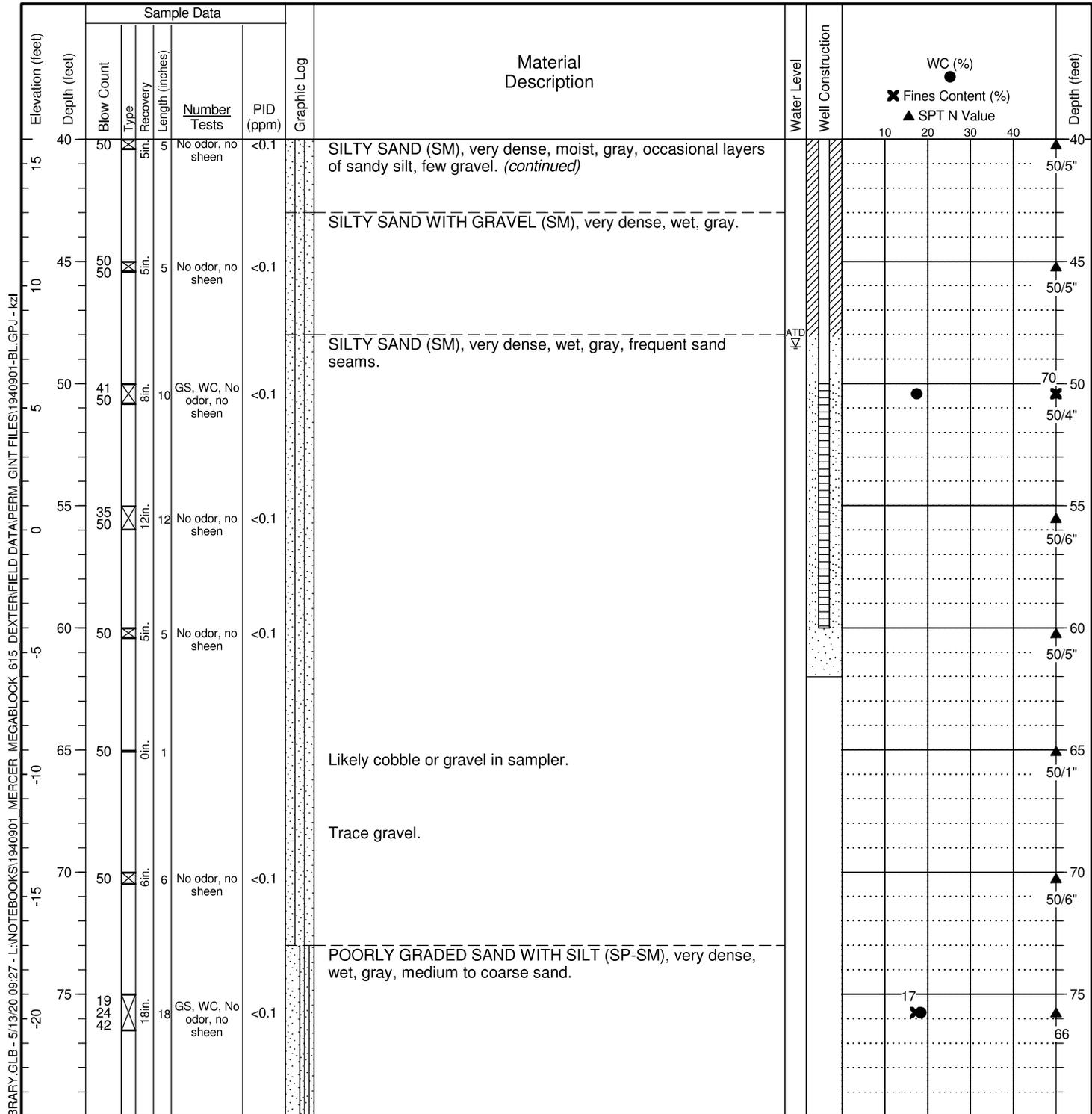
General Notes:
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
 3. USCS designations are based on visual-manual 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: 3/7/19 Date Completed: 3/7/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: M. Shaljian Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.624813 Long: -122.341987 Rig Model/Type: CME-85
 Ground Surface Elevation: 56 feet Hammer Type: Auto-hammer
 Comments: Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 8.25 inches Casing Diameter: _____
 Total Depth: 81.5 feet Depth to Groundwater: 48.5 feet



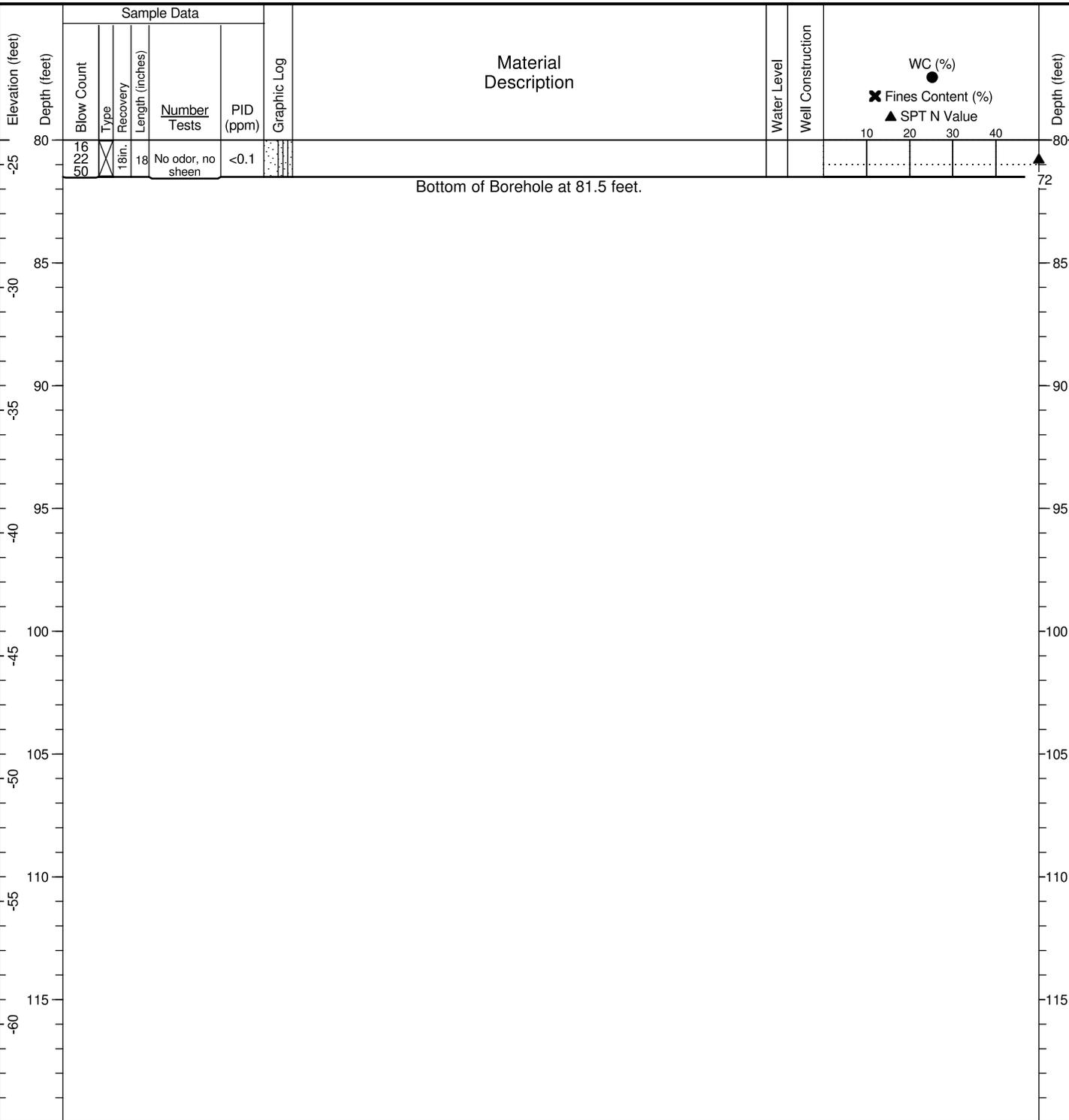
General Notes:
 1. Refer to Figure A1-1 for explanation of descriptions and symbols.
 2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
 3. USCS designations are based on visual-manual 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: 3/7/19 Date Completed: 3/7/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: M. Shaljian Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.624813 Long: -122.341987 Rig Model/Type: CME-85
 Ground Surface Elevation: 56 feet Hammer Type: Auto-hammer
 Comments: Location and ground surface elevations are approximate. SURVEYED LOCATION Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 8.25 inches Casing Diameter: _____
 Total Depth: 81.5 feet Depth to Groundwater: 48.5 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.

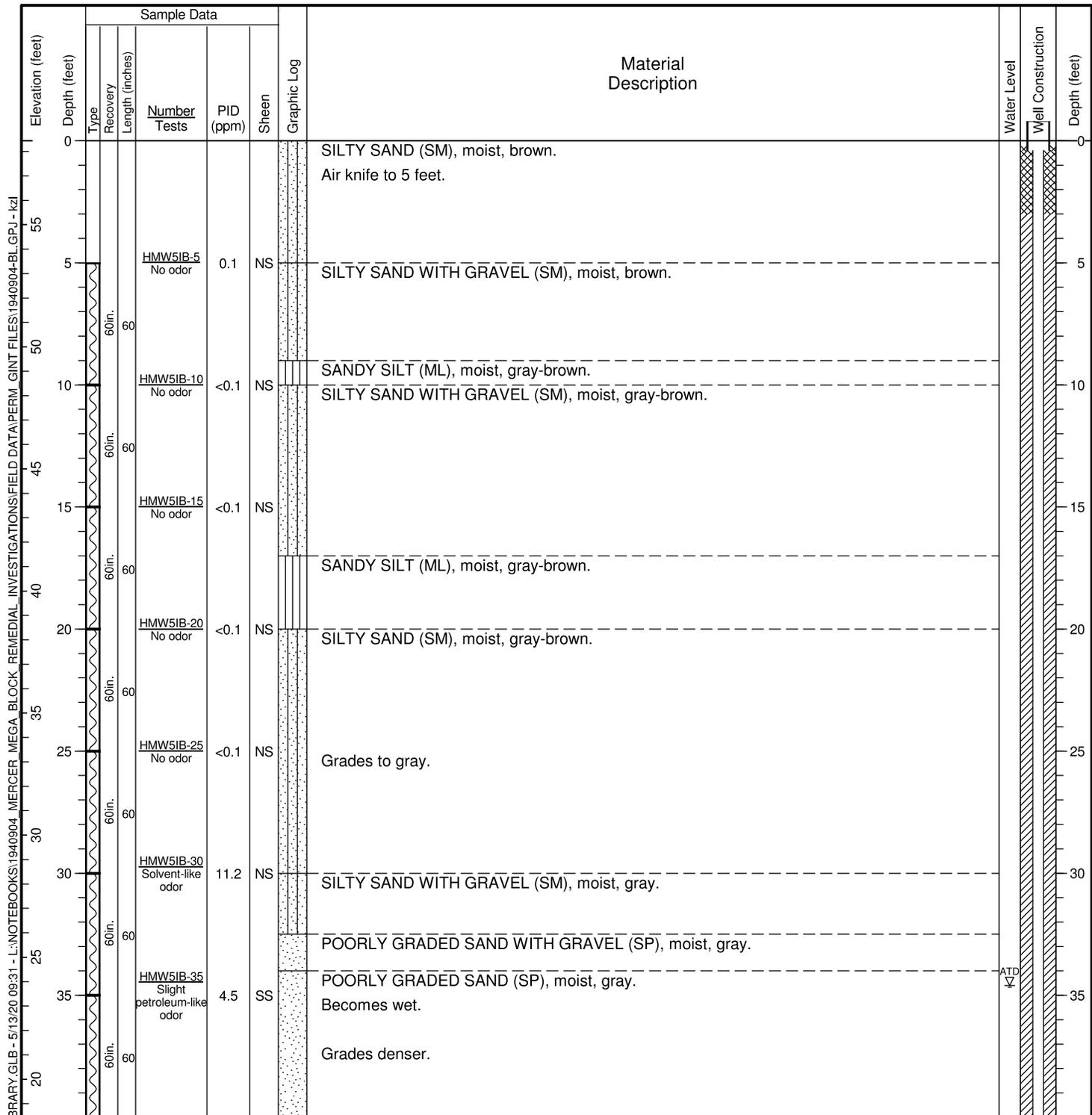
Date Started: 3/7/19 Date Completed: 3/7/19 Drilling Contractor/Crew: Holt Services, Inc.
 Logged by: M. Shaljian Checked by: C. Kroskie Drilling Method: Hollow Stem Auger
 Location: Lat: 47.624813 Long: -122.341987 Rig Model/Type: CME-85
 Ground Surface Elevation: 56 feet Hammer Type: Auto-hammer
 Comments: Location and ground surface elevations are approximate. SURVEYED Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
LOCATION Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 8.25 inches Casing Diameter: _____
 Total Depth: 81.5 feet Depth to Groundwater: 48.5 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.

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:27 - L:\NOTEBOOKS\1940901 MERCER MEGABLOCK 615 DEXTERFIELD DATA\PERM_GINT FILES\1940901-BL.GPJ - kzl

Date Started: 2/28/20 Date Completed: 2/28/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624959 Long: -122.342099 (WGS 84) Rig Model/Type: GS Mini Sonic - DB320
 Ground Surface Elevation: 58.44 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ188 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 7 inches Casing Diameter: OD: 2 inches
 Total Depth: 70 feet Depth to Groundwater: 34.6 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.

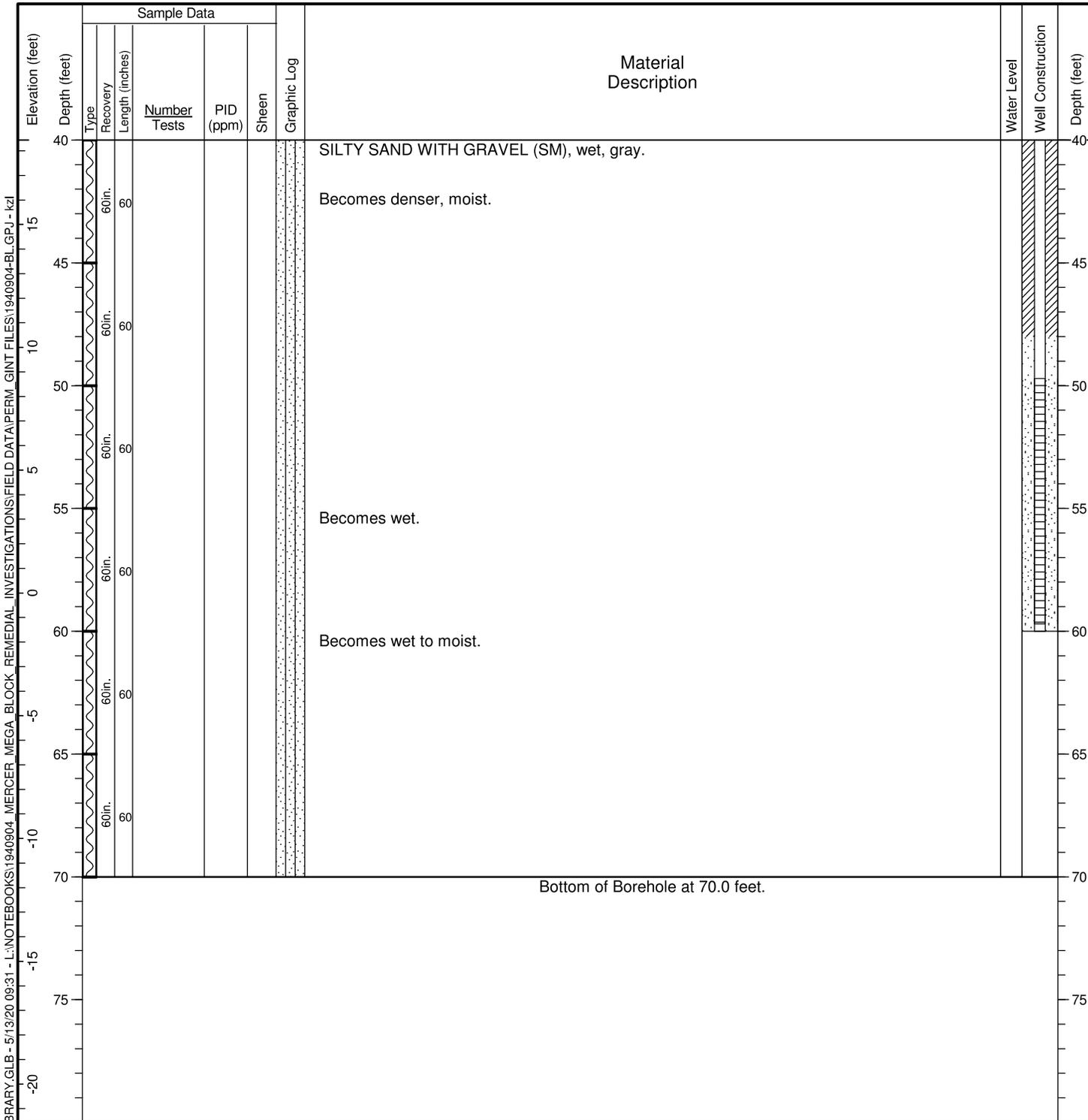


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-5IB

Figure **A1-51**
 Sheet **1 of 2**

Date Started: 2/28/20 Date Completed: 2/28/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624959 Long: -122.342099 (WGS 84) Rig Model/Type: GS Mini Sonic - DB320
 Ground Surface Elevation: 58.44 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ188 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 7 inches Casing Diameter: OD: 2 inches
 Total Depth: 70 feet Depth to Groundwater: 34.6 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.

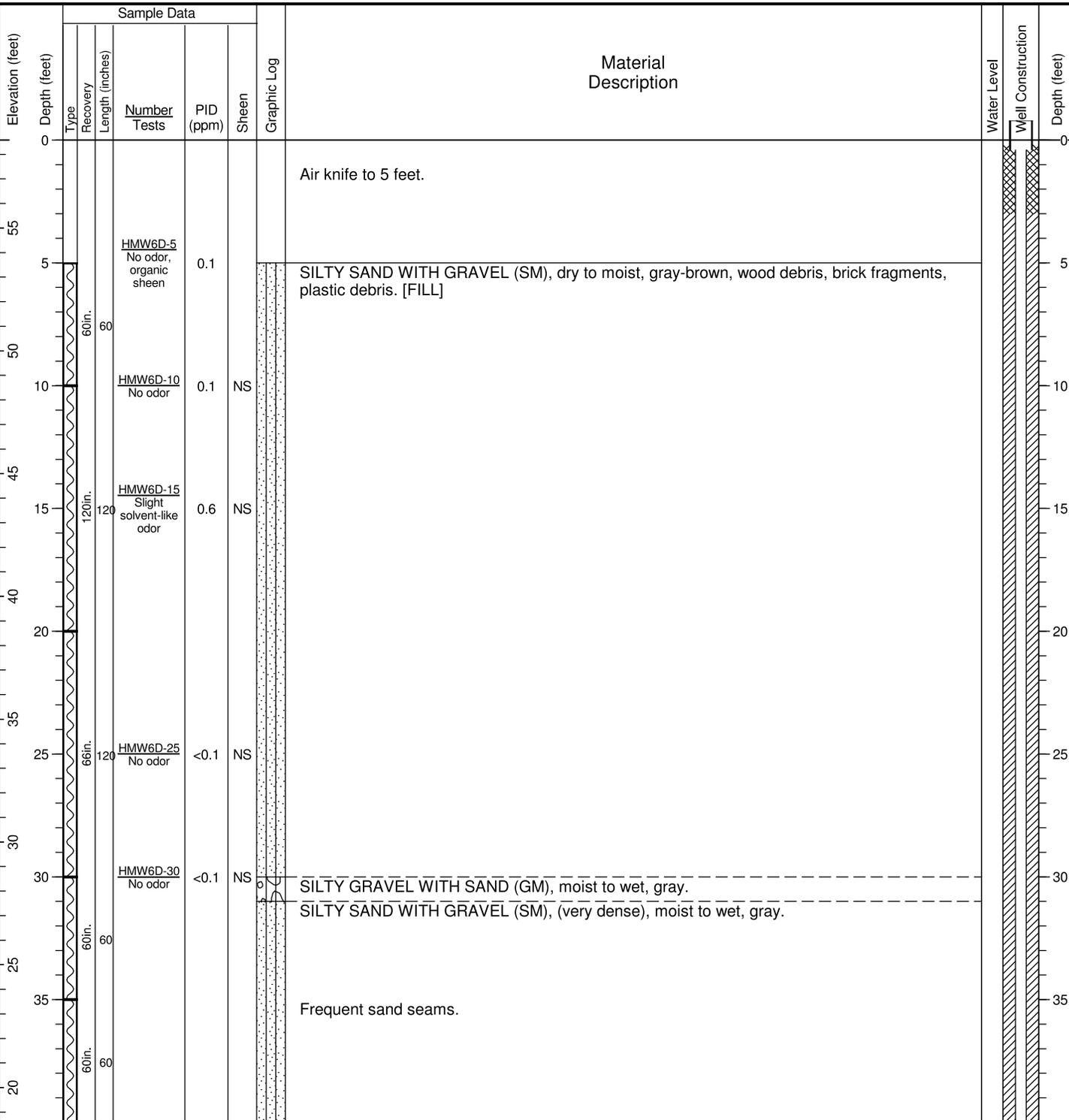


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-51B

Figure **A1-51**
 Sheet **2 of 2**

Date Started: 3/2/20 Date Completed: 3/2/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624790 Long: -122.342094 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 58.58 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ187 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 90 feet Depth to Groundwater: 46.89 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.



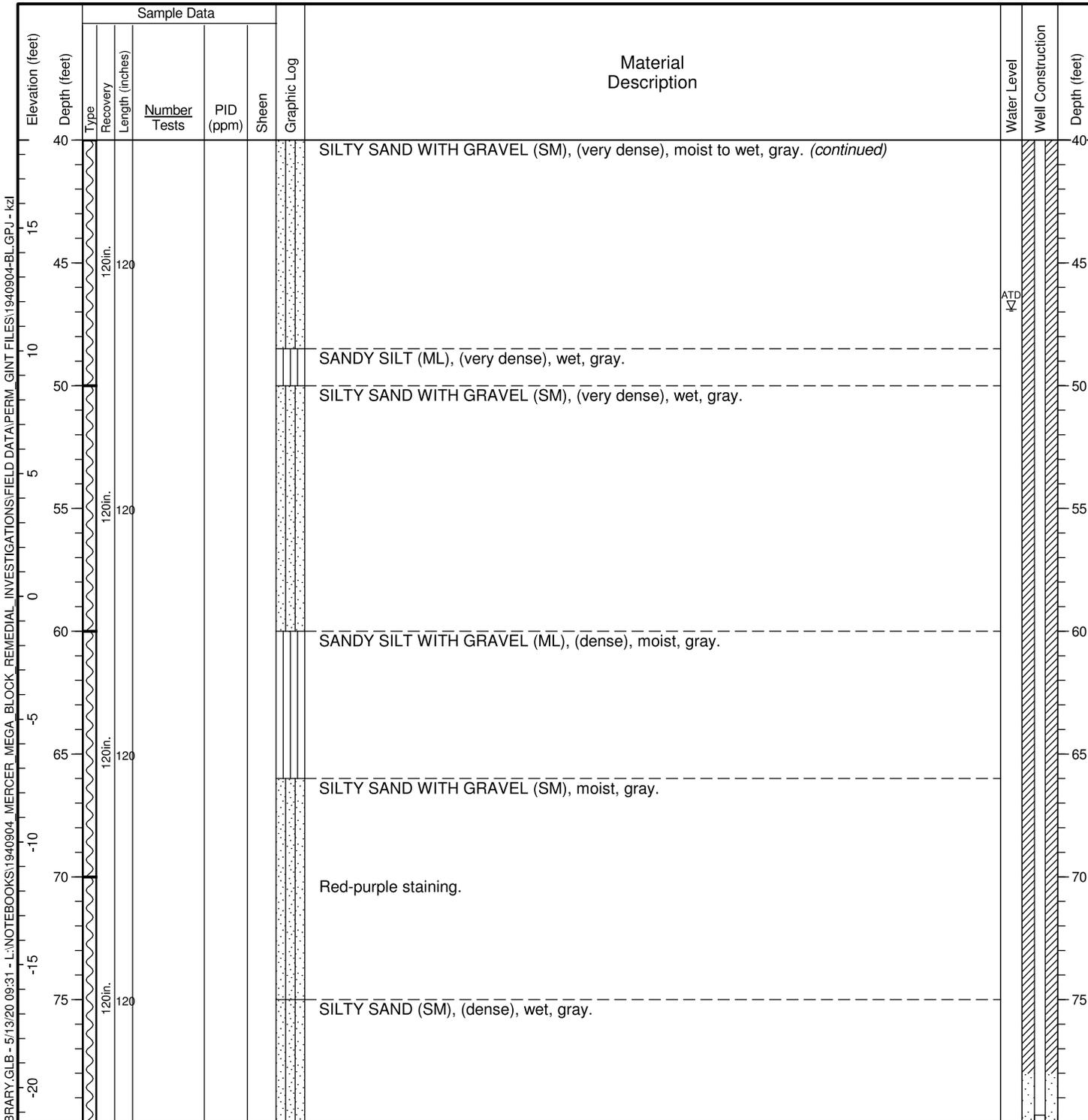
Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-6D

Figure **A1-52**
 Sheet **1 of 3**

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Date Started: 3/2/20 Date Completed: 3/2/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624790 Long: -122.342094 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 58.58 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ187 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 90 feet Depth to Groundwater: 46.89 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.



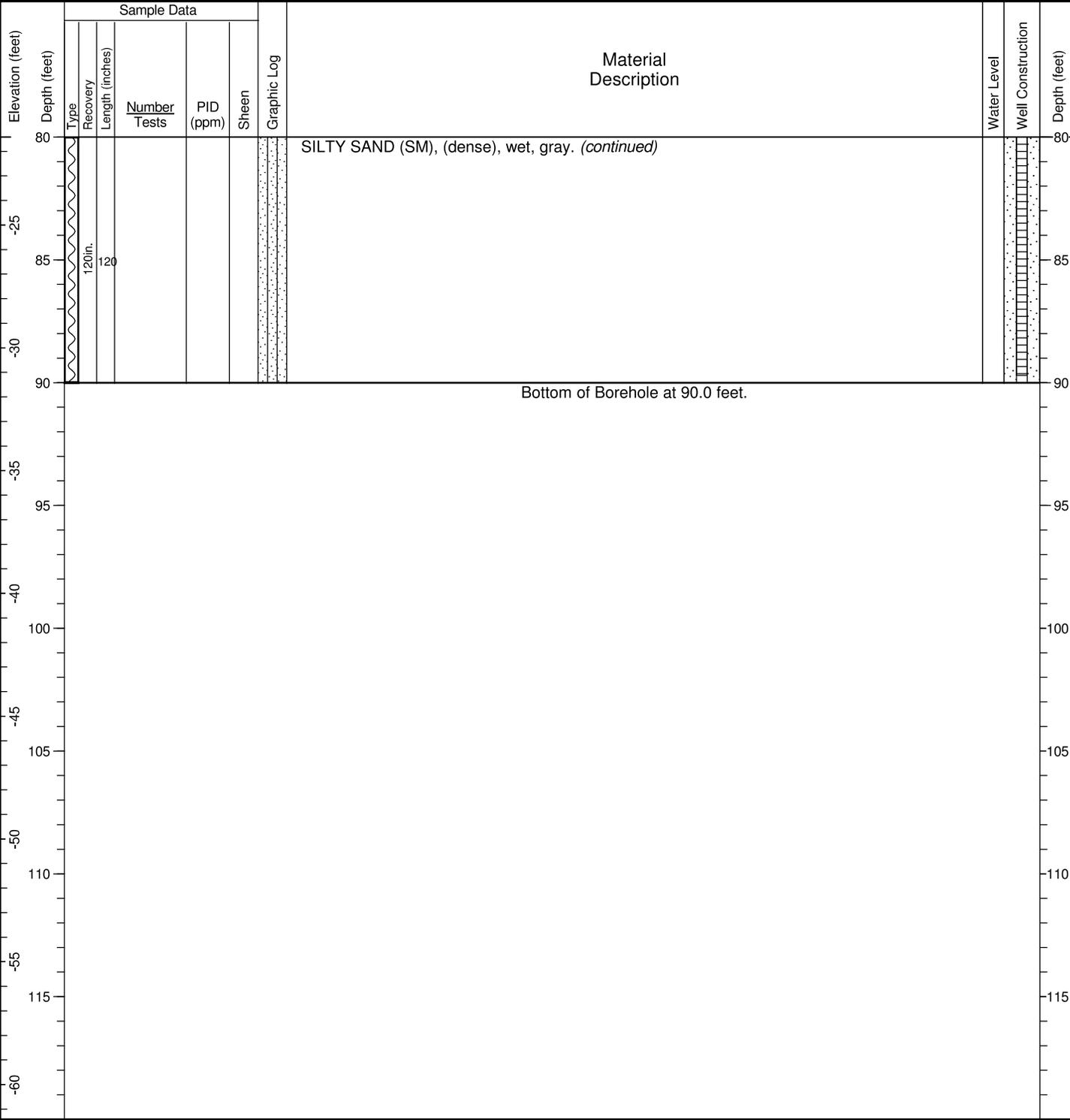
Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-6D

Figure **A1-52**
 Sheet **2 of 3**

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:31 - L:\NOTEBOOKS\1940904 MERCER MEGA BLOCK REMEDIAL INVESTIGATIONS\FIELD DATA\PERM. GINT FILES\1940904-BL.GPJ - kzl

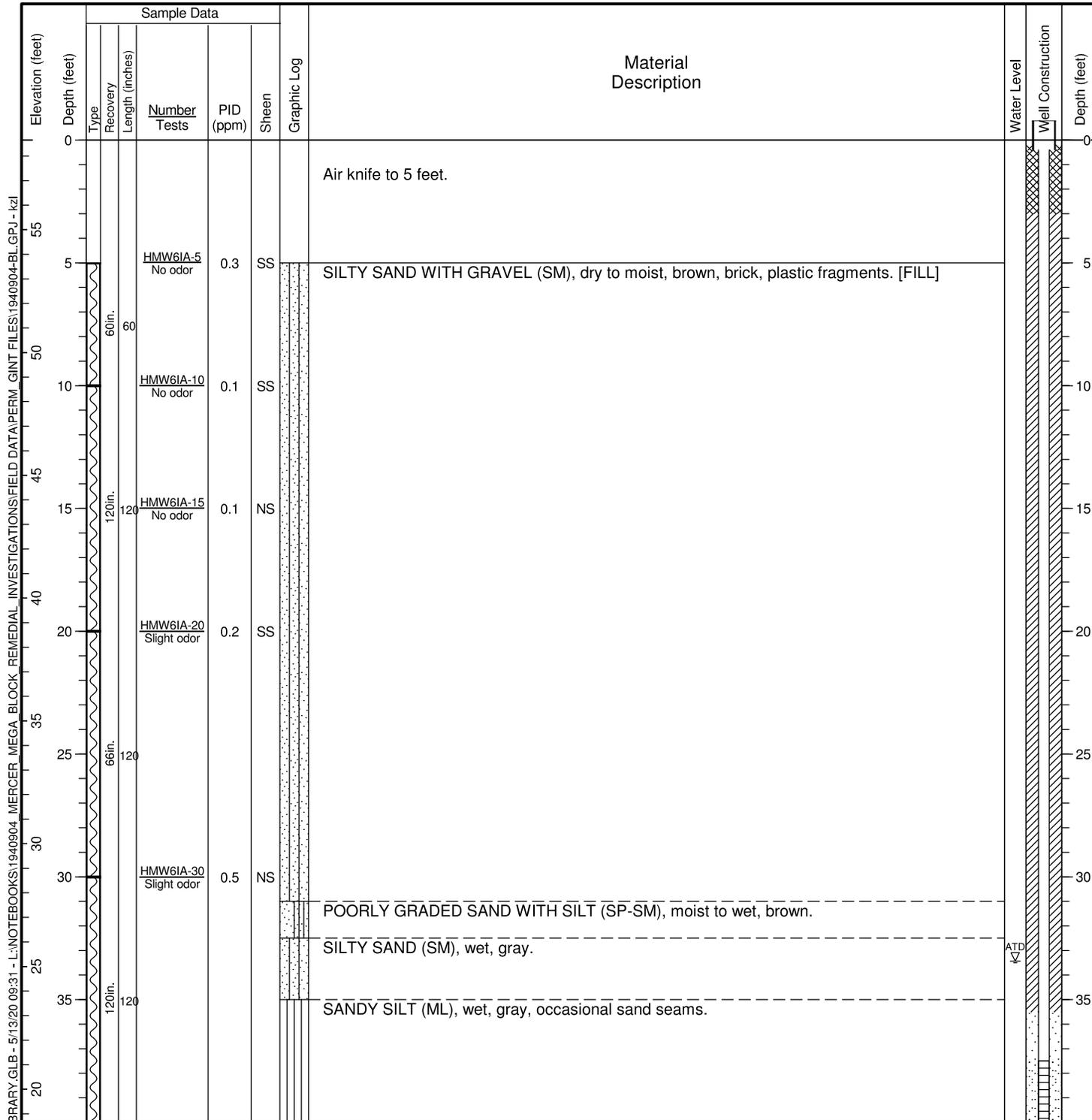
Date Started: 3/2/20 Date Completed: 3/2/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624790 Long: -122.342094 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 58.58 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ187 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 90 feet Depth to Groundwater: 46.89 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: 3/2/20 Date Completed: 3/2/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624793 Long: -122.342107 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 58.65 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ185 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 50 feet Depth to Groundwater: 33.43 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.

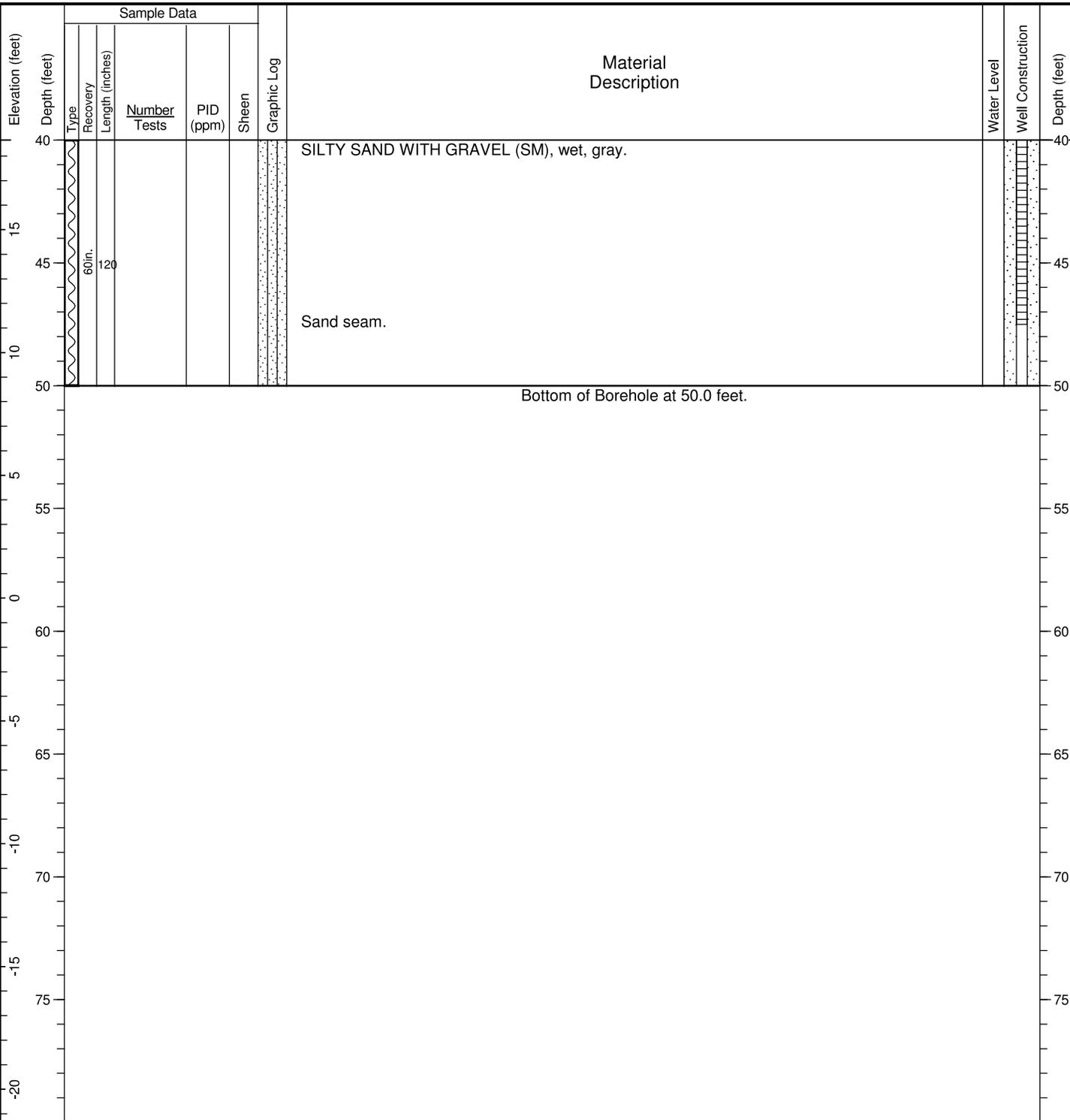


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-6IA

Figure **A1-53**
 Sheet **1 of 2**

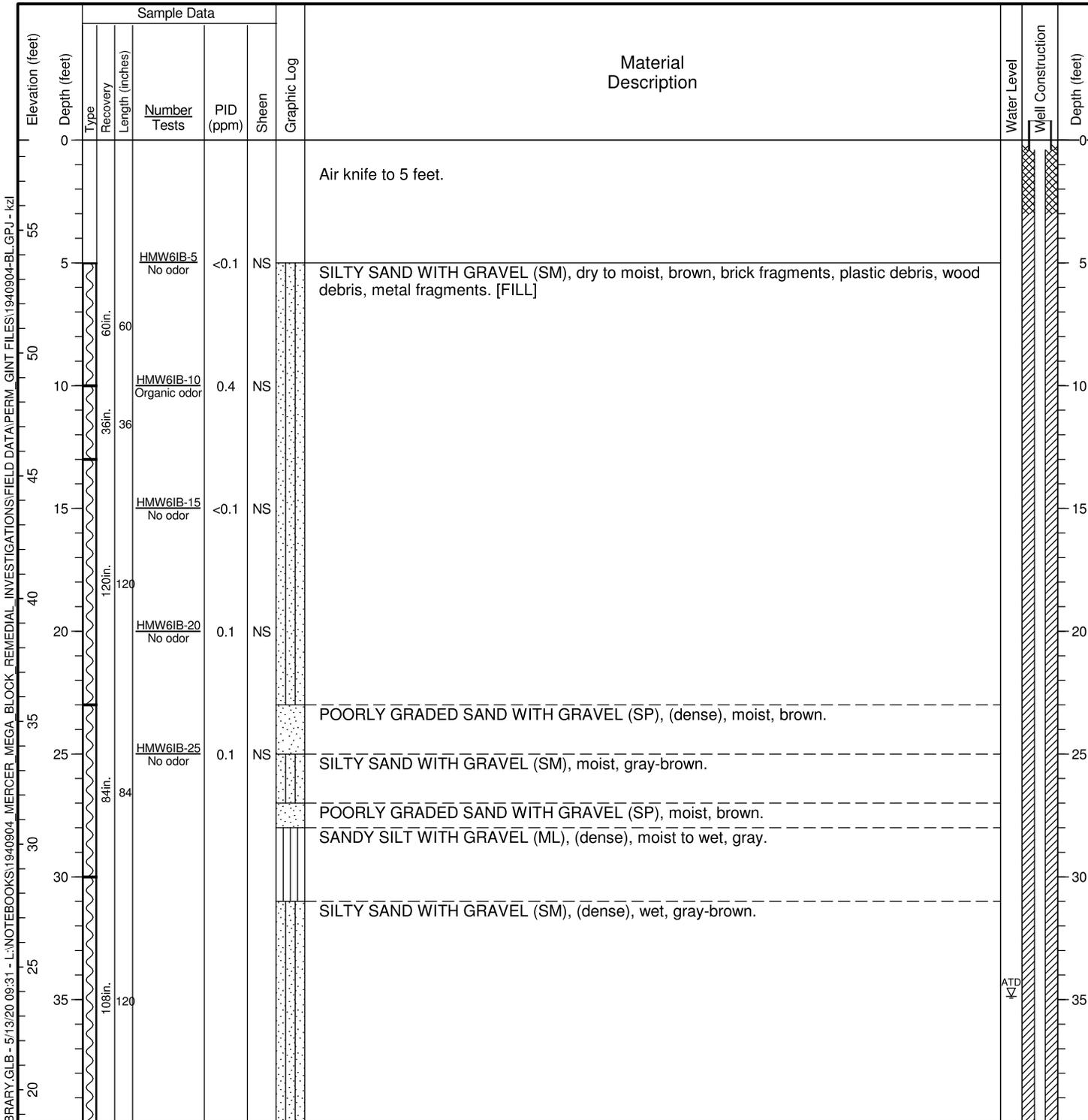
Date Started: 3/2/20 Date Completed: 3/2/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624793 Long: -122.342107 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 58.65 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ185 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 50 feet Depth to Groundwater: 33.43 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: 3/3/20 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: 47.624781 Long: -122.342102 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 58.67 feet (NAVD 88) Hammer Type:
 Comments: Well Tag ID: BLZ186 Hammer Weight (pounds): Hammer Drop Height (inches):
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 70 feet Depth to Groundwater: 34.87 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.

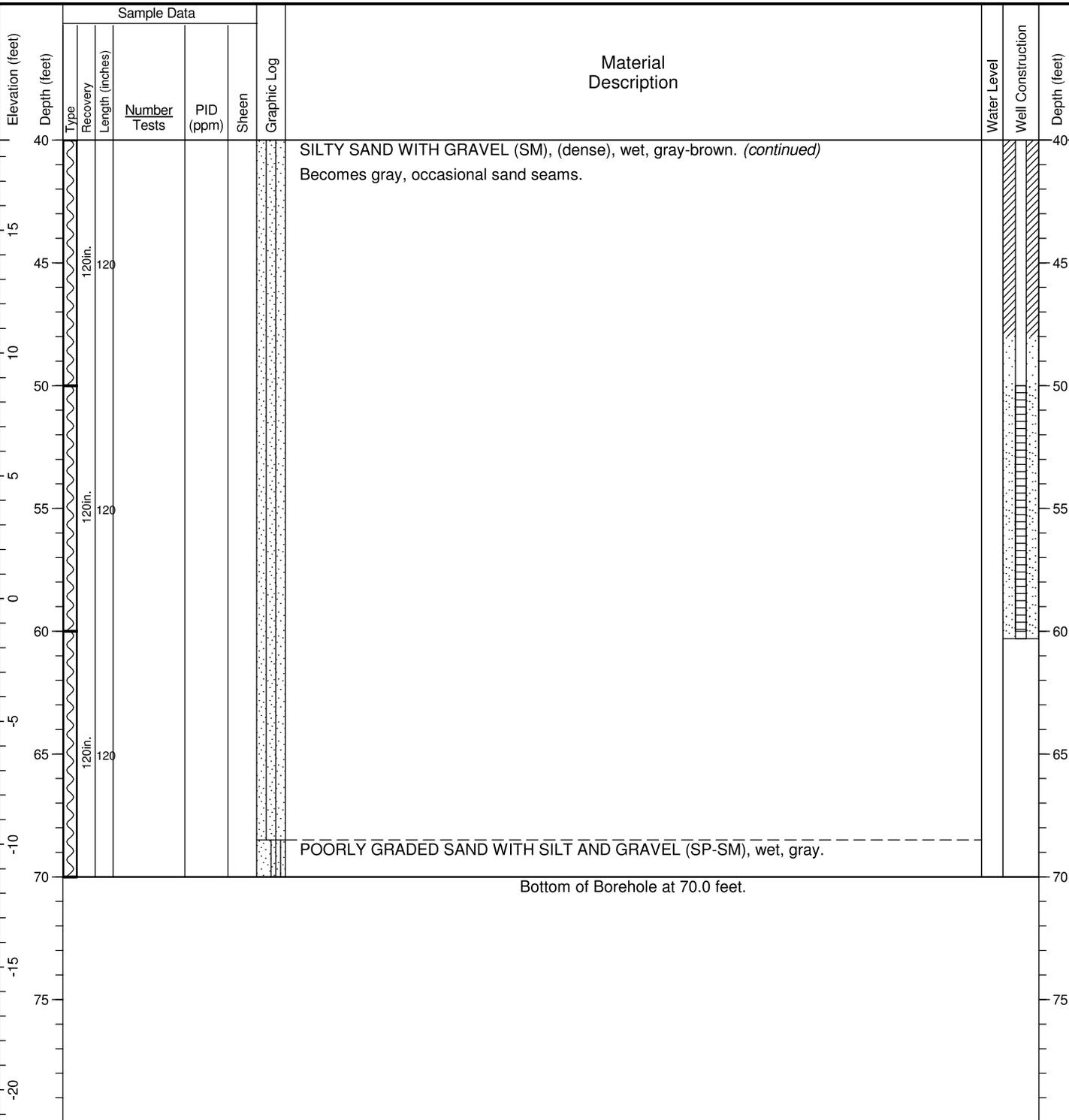


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-61B

Figure **A1-54**
 Sheet **1 of 2**

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: 47.624781 Long: -122.342102 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 58.67 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ186 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 70 feet Depth to Groundwater: 34.87 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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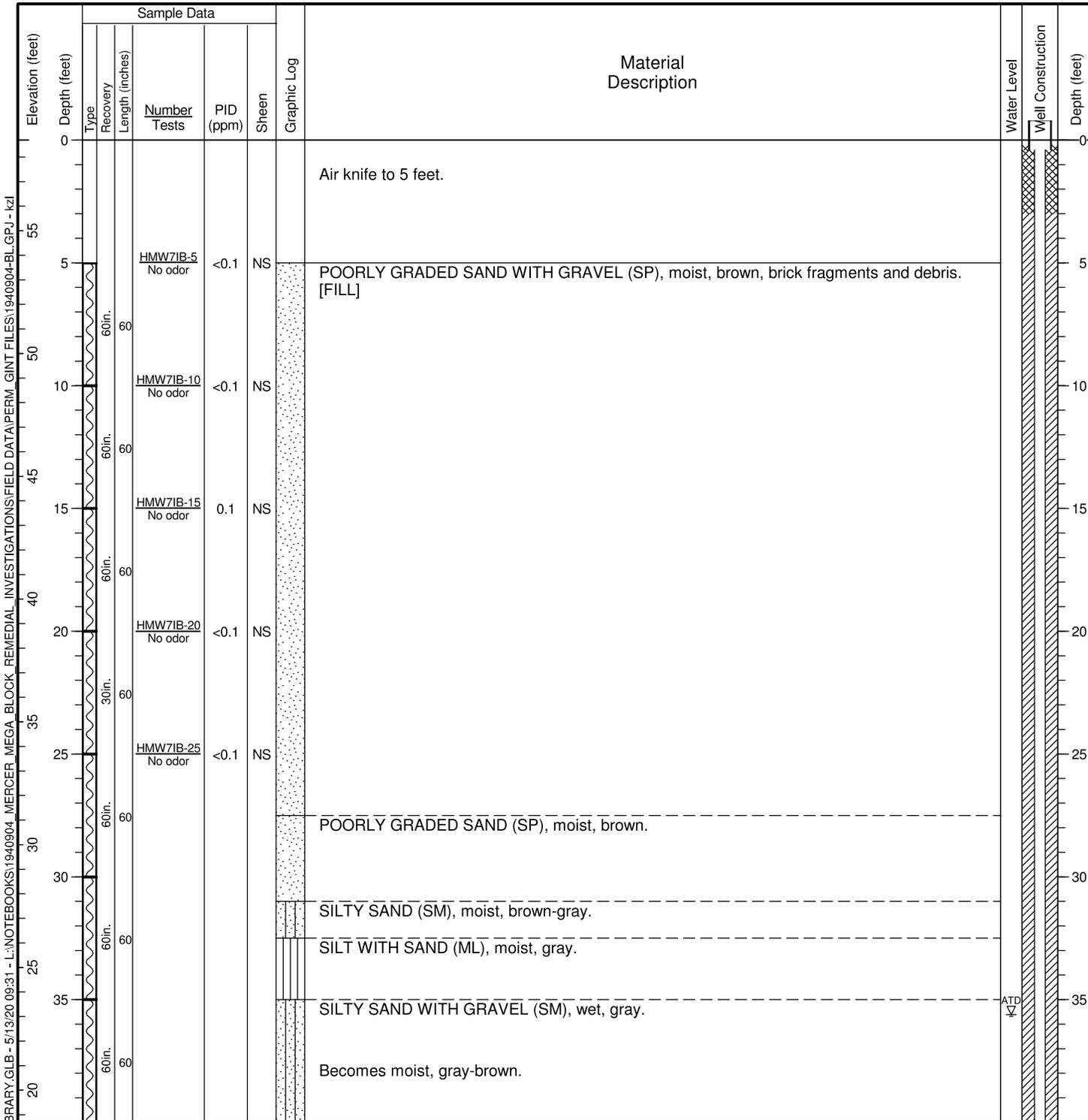


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-6IB

Figure **A1-54**
 Sheet **2 of 2**

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: 47.624711 Long: -122.342090 (WGS 84) Rig Model/Type: GS Mini Sonic - DB320
 Ground Surface Elevation: 58.69 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ159 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 7 inches Casing Diameter: OD: 2 inches
 Total Depth: 70 feet Depth to Groundwater: 35.61 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.

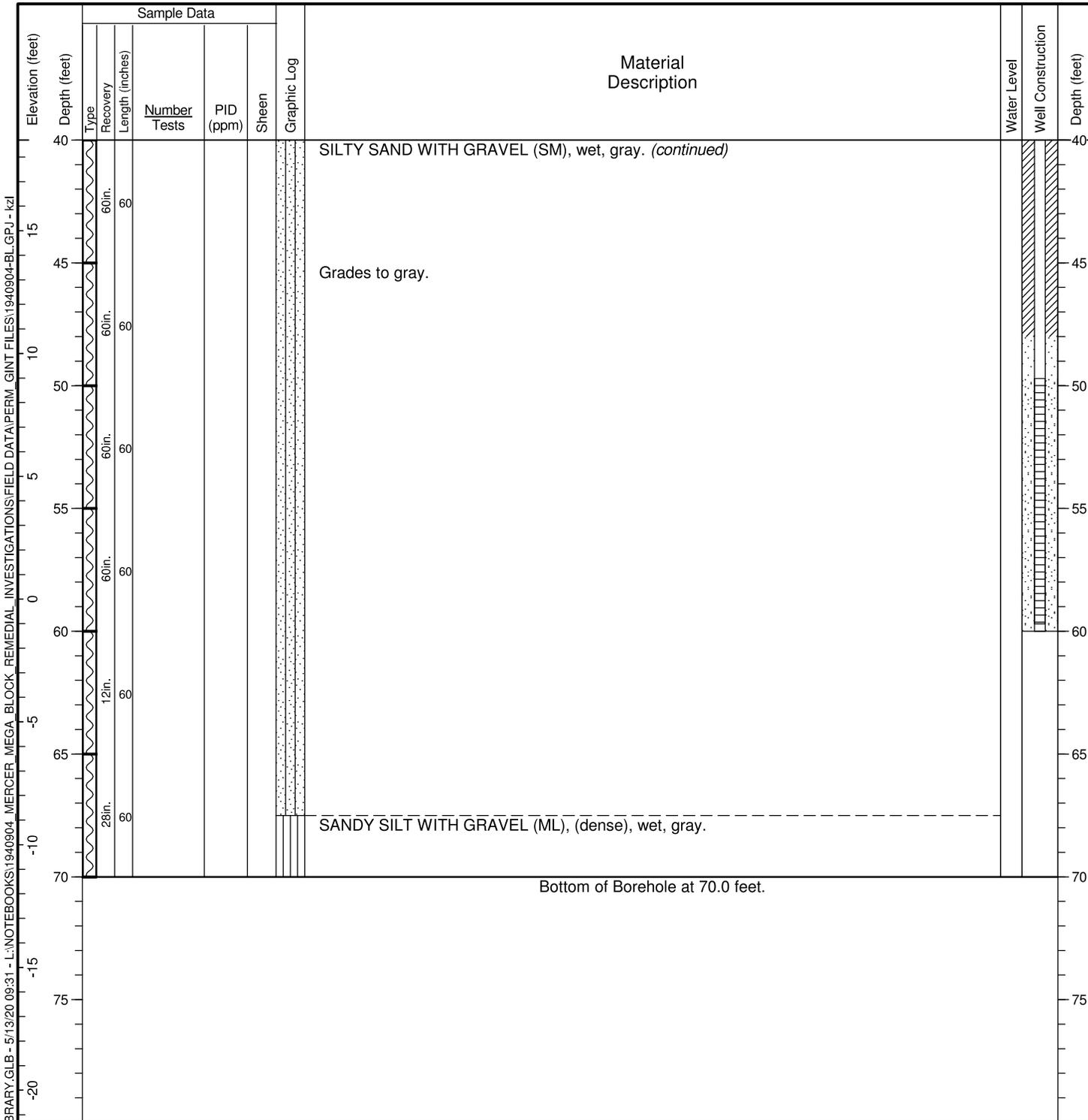


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-71B

Figure **A1-55**
 Sheet **1 of 2**

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: 47.624711 Long: -122.342090 (WGS 84) Rig Model/Type: GS Mini Sonic - DB320
 Ground Surface Elevation: 58.69 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ159 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 7 inches Casing Diameter: OD: 2 inches
 Total Depth: 70 feet Depth to Groundwater: 35.61 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.



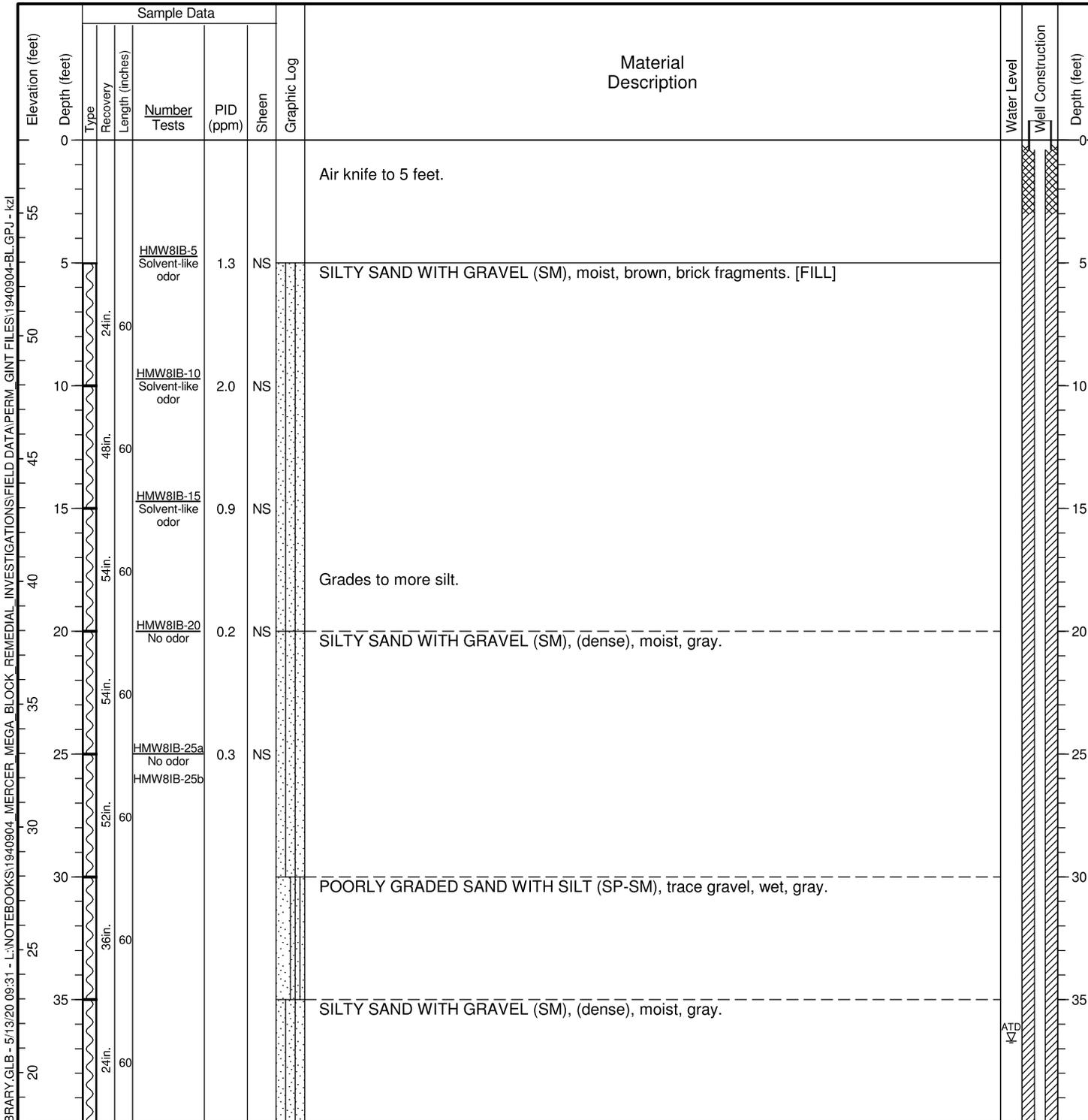
Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
 HMW-71B

Figure **A1-55**
 Sheet **2 of 2**

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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: 47.624814 Long: -122.341888 (WGS 84) Rig Model/Type: GS Mini Sonic - DB320
 Ground Surface Elevation: 57.97 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ158 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 7 inches Casing Diameter: OD: 2 inches
 Total Depth: 70 feet Depth to Groundwater: 36.69 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.

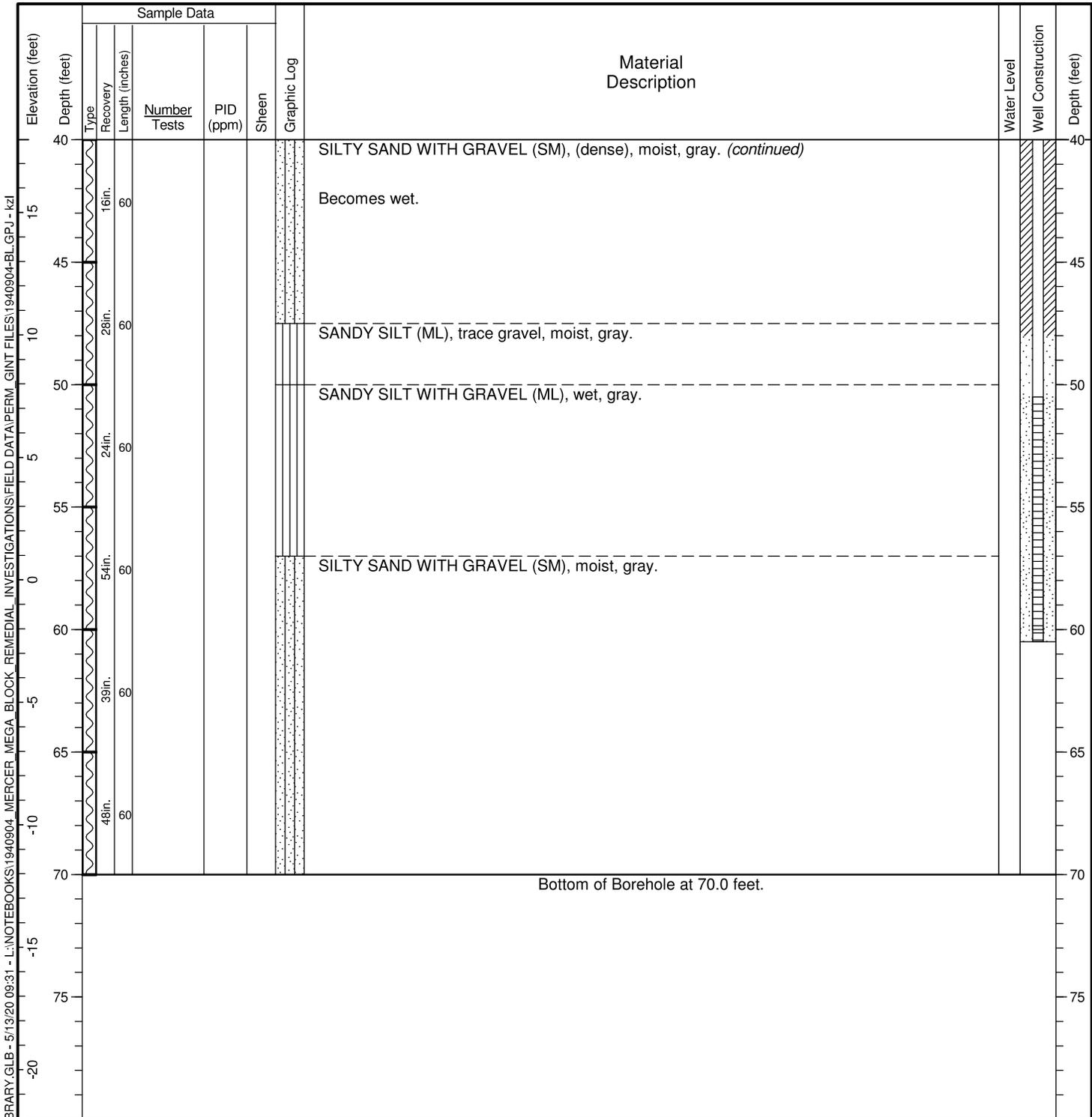


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
 HMW-8IB

Figure **A1-56**
 Sheet **1 of 2**

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: 47.624814 Long: -122.341888 (WGS 84) Rig Model/Type: GS Mini Sonic - DB320
 Ground Surface Elevation: 57.97 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ158 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 7 inches Casing Diameter: OD: 2 inches
 Total Depth: 70 feet Depth to Groundwater: 36.69 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.



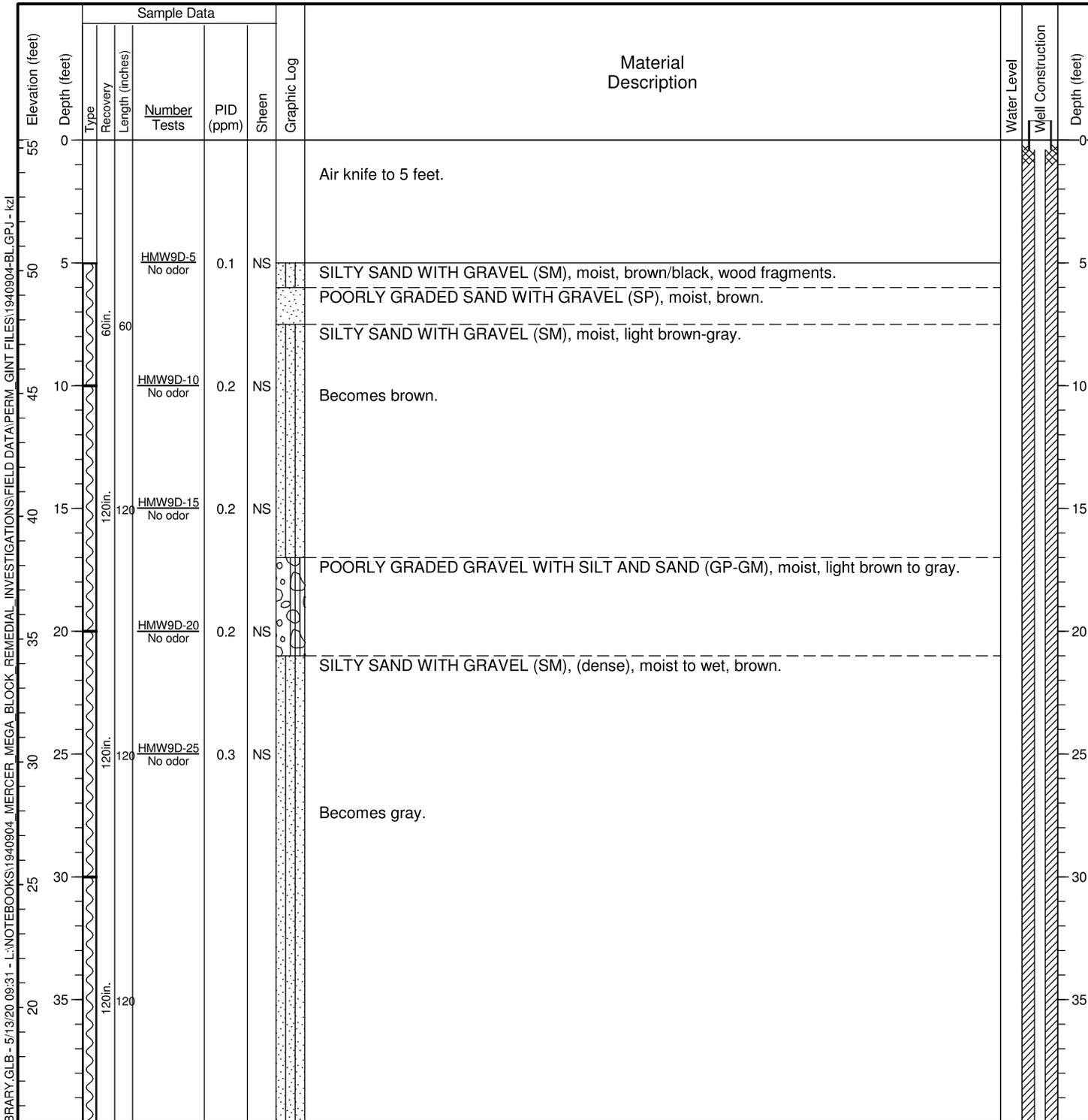
Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-8IB

Figure **A1-56**
 Sheet **2 of 2**

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Date Started: 2/27/20 Date Completed: 2/28/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624956 Long: -122.341687 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 55.32 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ192 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 90 feet Depth to Groundwater: 43.55 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.

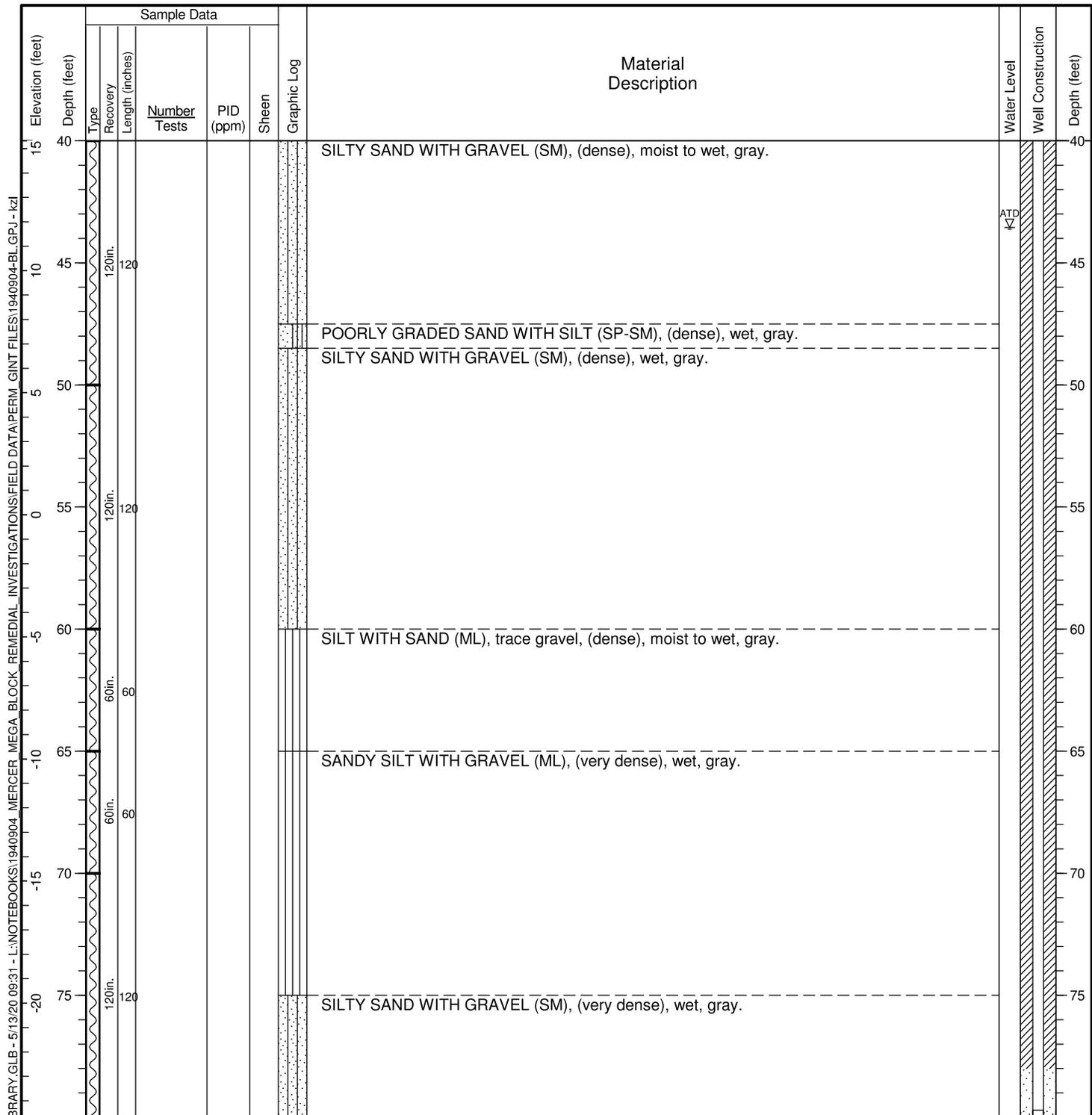


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-9D

Figure **A1-57**
 Sheet **1 of 3**

Date Started: 2/27/20 Date Completed: 2/28/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624956 Long: -122.341687 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 55.32 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ192 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 90 feet Depth to Groundwater: 43.55 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.



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

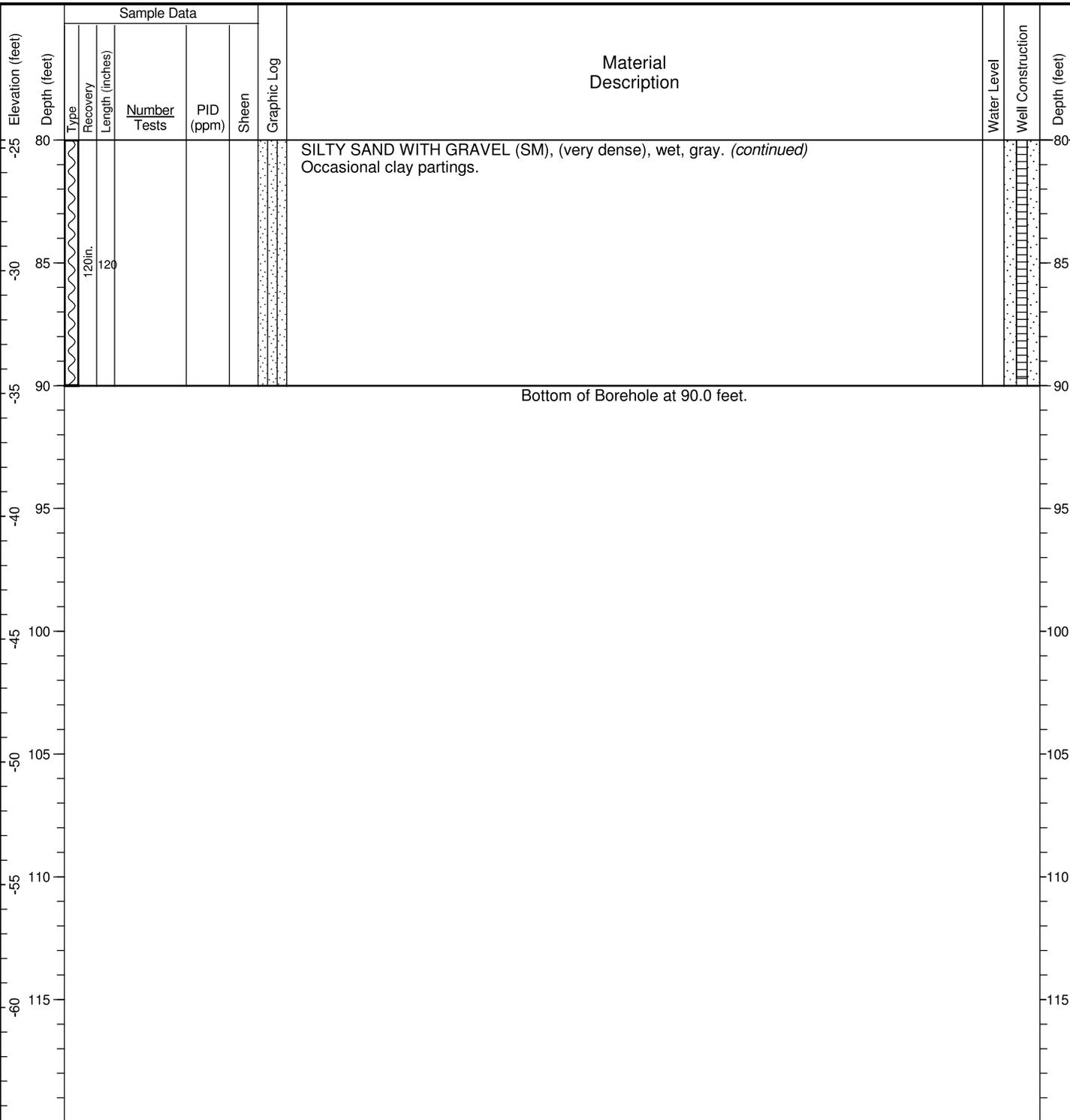
Sonic Core Log
HMW-9D

Figure **A1-57**
 Sheet **2 of 3**

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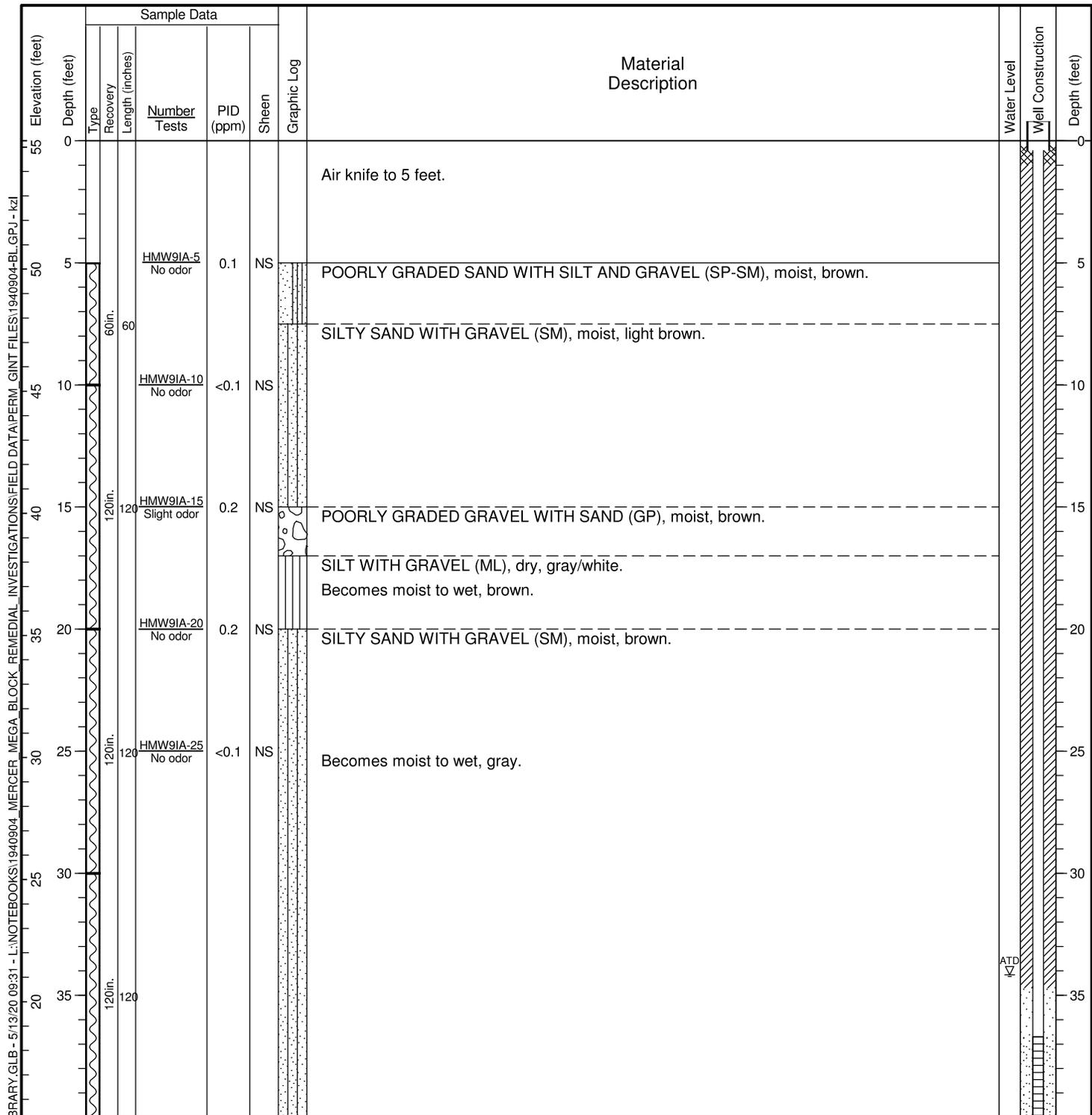
Date Started: 2/27/20 Date Completed: 2/28/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624956 Long: -122.341687 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 55.32 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ192 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 90 feet Depth to Groundwater: 43.55 feet

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:31 - L:\NOTEBOOKS\1940904 MERCER MEGA BLOCK REMEDIAL INVESTIGATIONS\FIELD DATA\PERM. GINT FILES\1940904-BL.GPJ - kzl



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: 2/28/20 Date Completed: 2/28/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624958 Long: -122.341703 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 55.26 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ190 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 50 feet Depth to Groundwater: 34.16 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.



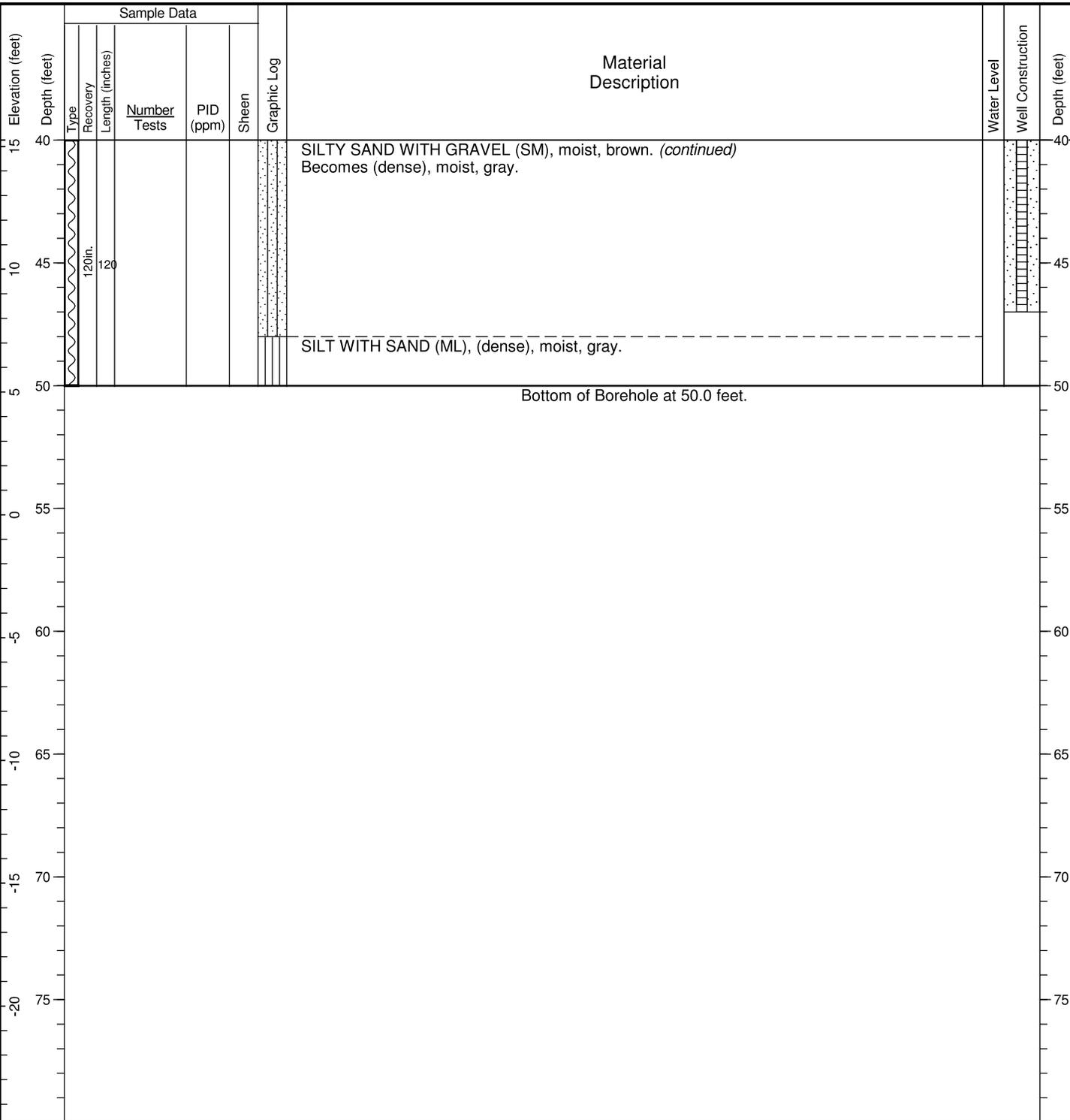
Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-91A

Figure **A1-58**
 Sheet **1 of 2**

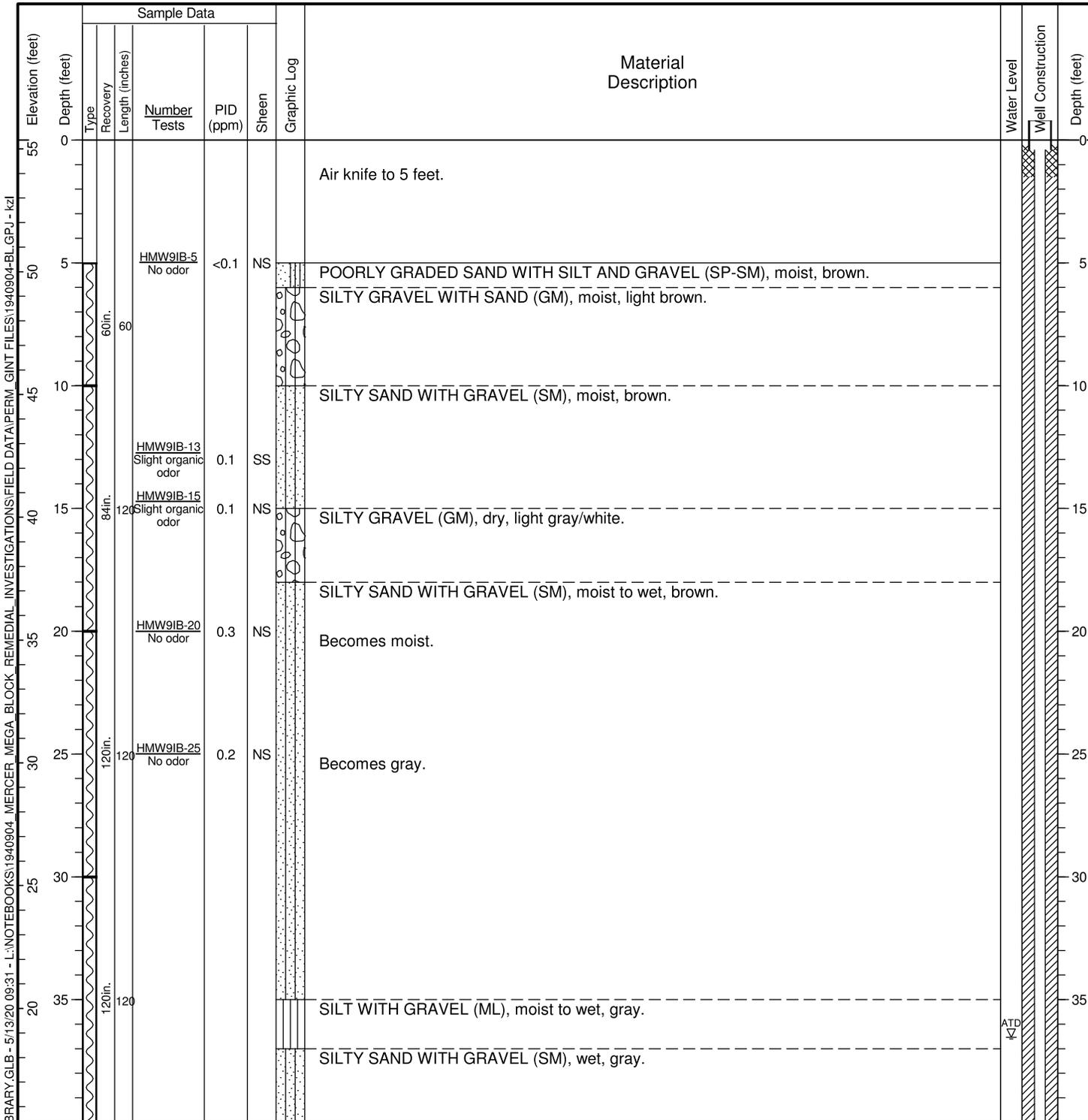
Date Started: 2/28/20 Date Completed: 2/28/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624958 Long: -122.341703 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 55.26 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ190 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 50 feet Depth to Groundwater: 34.16 feet

HC BORING LOG - J:\GINT\HC LIBRARY\GLB - 5/13/20 09:31 - L:\NOTEBOOKS\1940904 MERCER MEGA BLOCK REMEDIAL INVESTIGATIONS\FIELD DATA\PERM_GINT FILES\1940904-BL.GPJ - kzl



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: 2/28/20 Date Completed: 2/28/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624942 Long: -122.341704 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 55.36 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ191 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 70 feet Depth to Groundwater: 36.54 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.

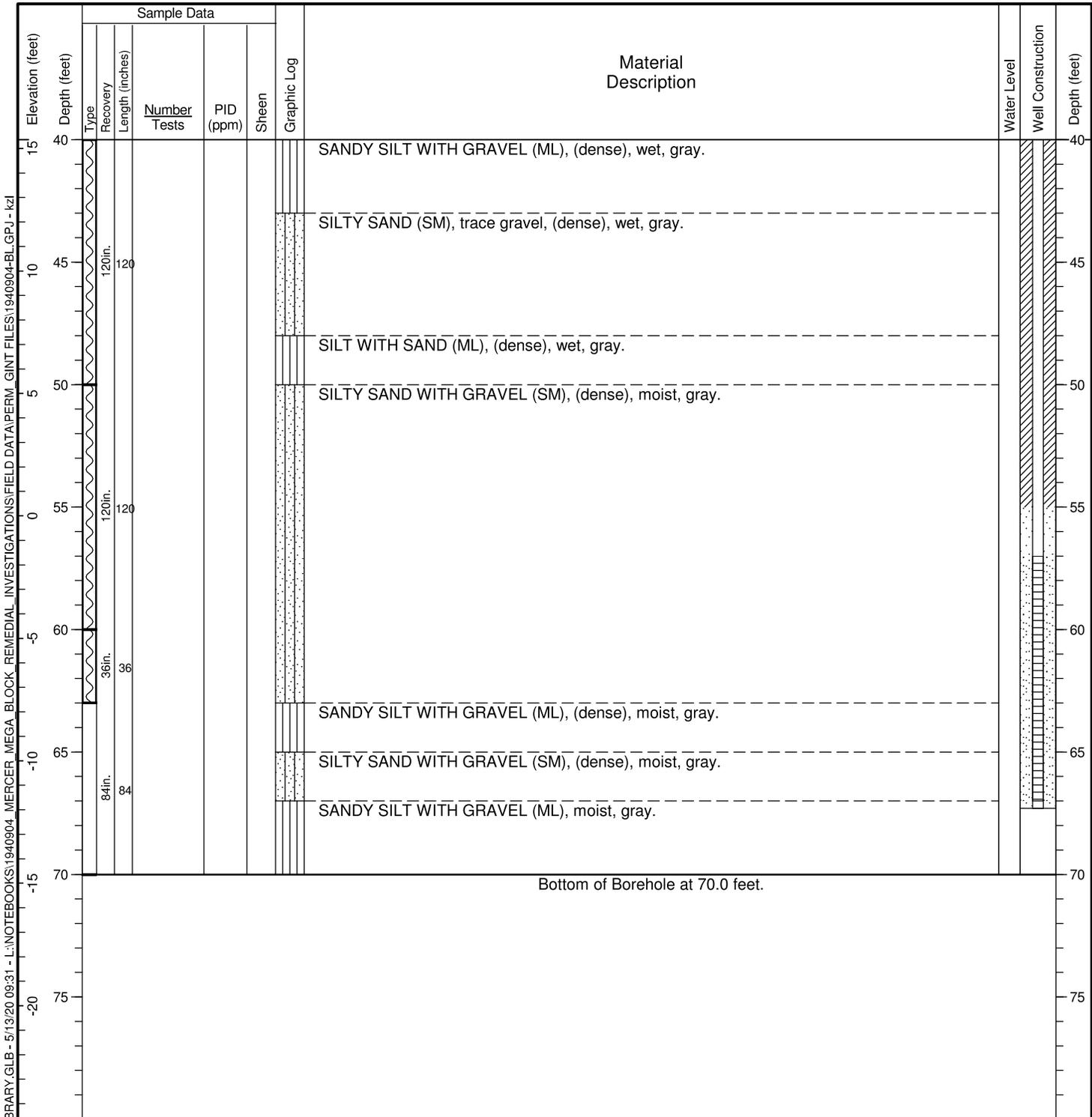


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-91B

Figure **A1-59**
 Sheet **1 of 2**

Date Started: 2/28/20 Date Completed: 2/28/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624942 Long: -122.341704 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 55.36 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ191 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 70 feet Depth to Groundwater: 36.54 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.

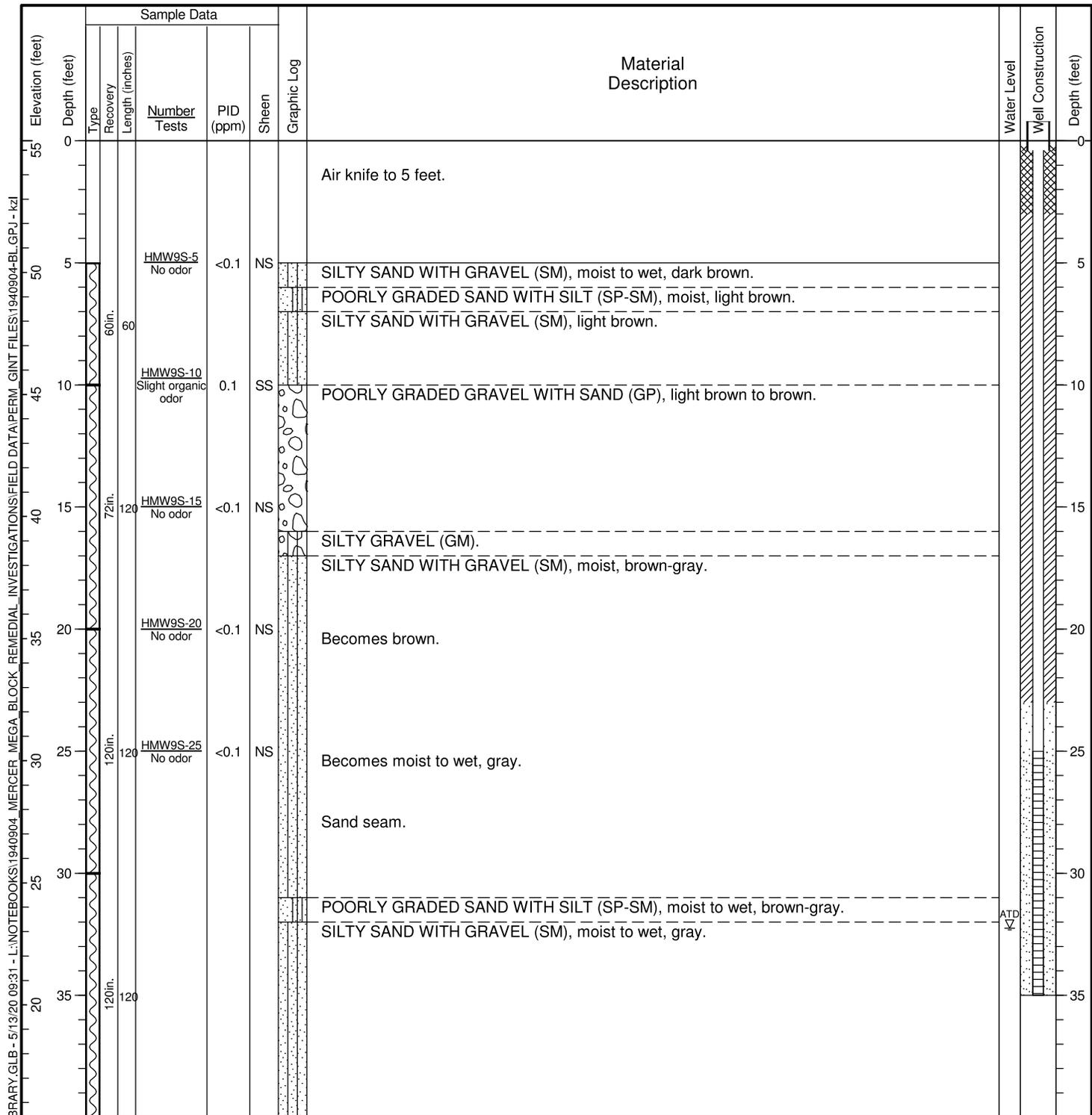


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-9IB

Figure **A1-59**
 Sheet **2 of 2**

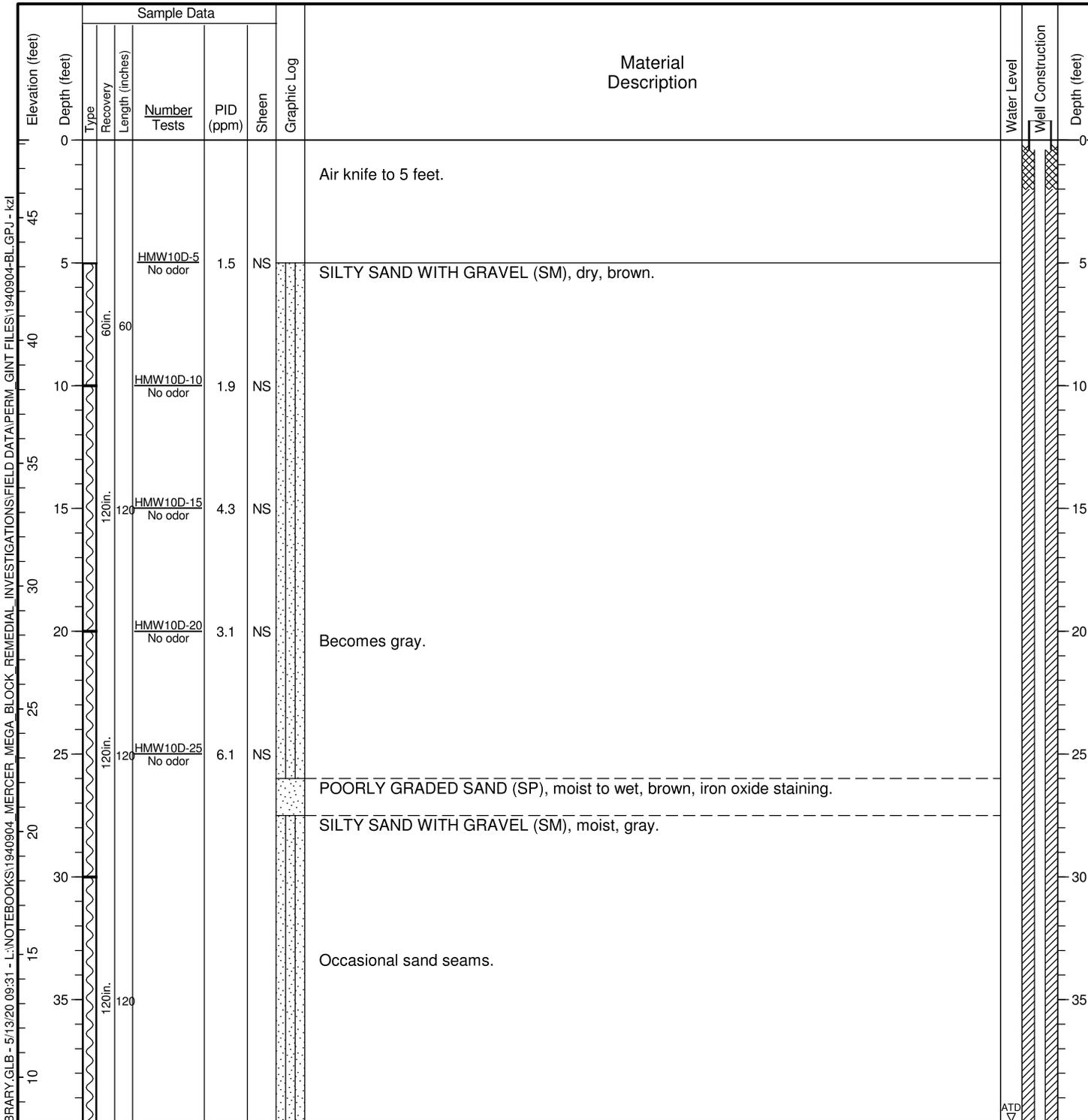
Date Started: 3/2/20 Date Completed: 3/2/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624949 Long: -122.341724 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 55.39 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ189 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 40 feet Depth to Groundwater: 32.25 feet



General Notes: Bottom of Borehole at 40.0 feet.

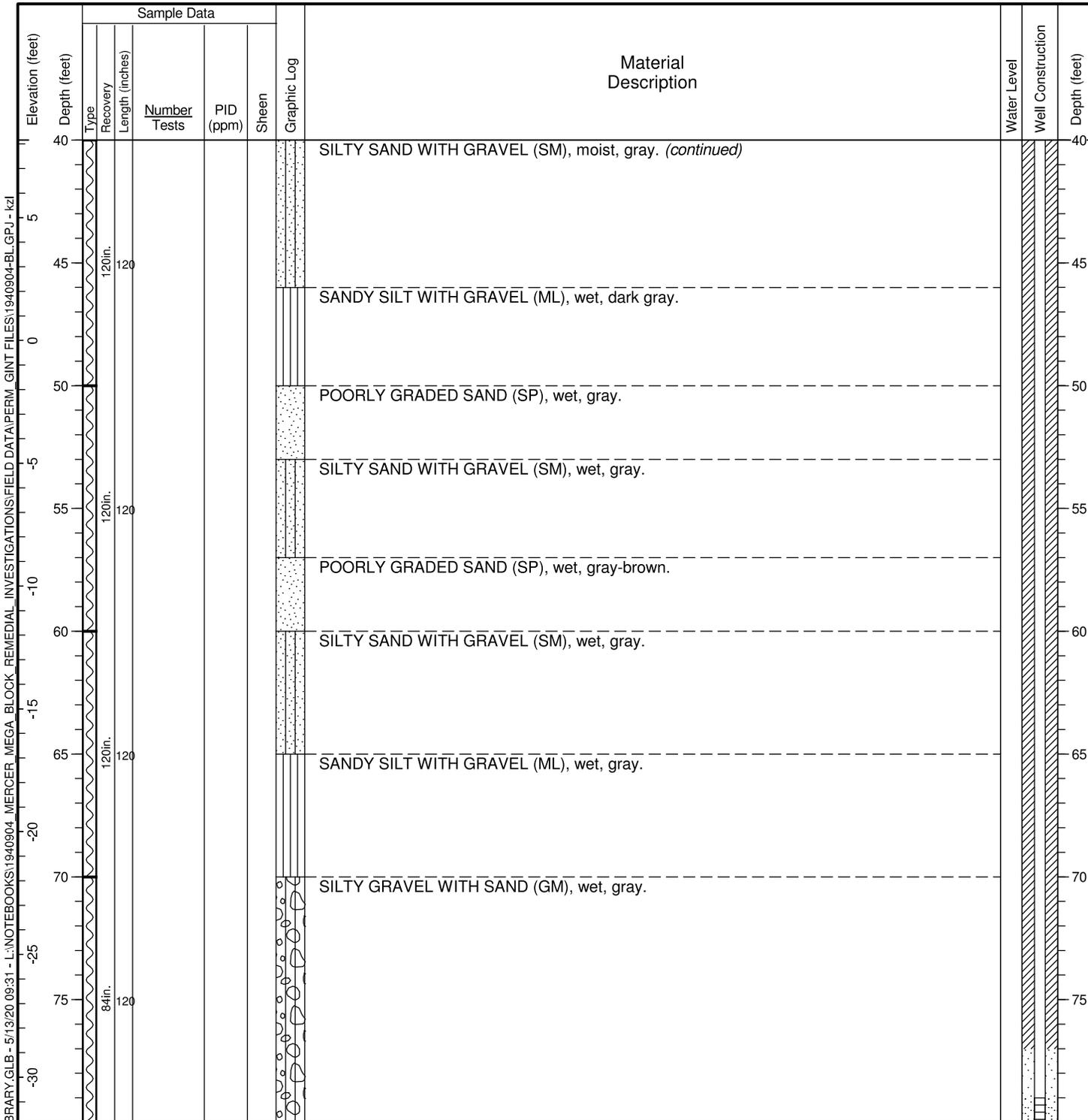
1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification (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: 3/5/20 Date Completed: 3/5/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624845 Long: -122.340865 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 48.16 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ194 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 90 feet Depth to Groundwater: 39.97 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: 3/5/20 Date Completed: 3/5/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624845 Long: -122.340865 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 48.16 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ194 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 90 feet Depth to Groundwater: 39.97 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.



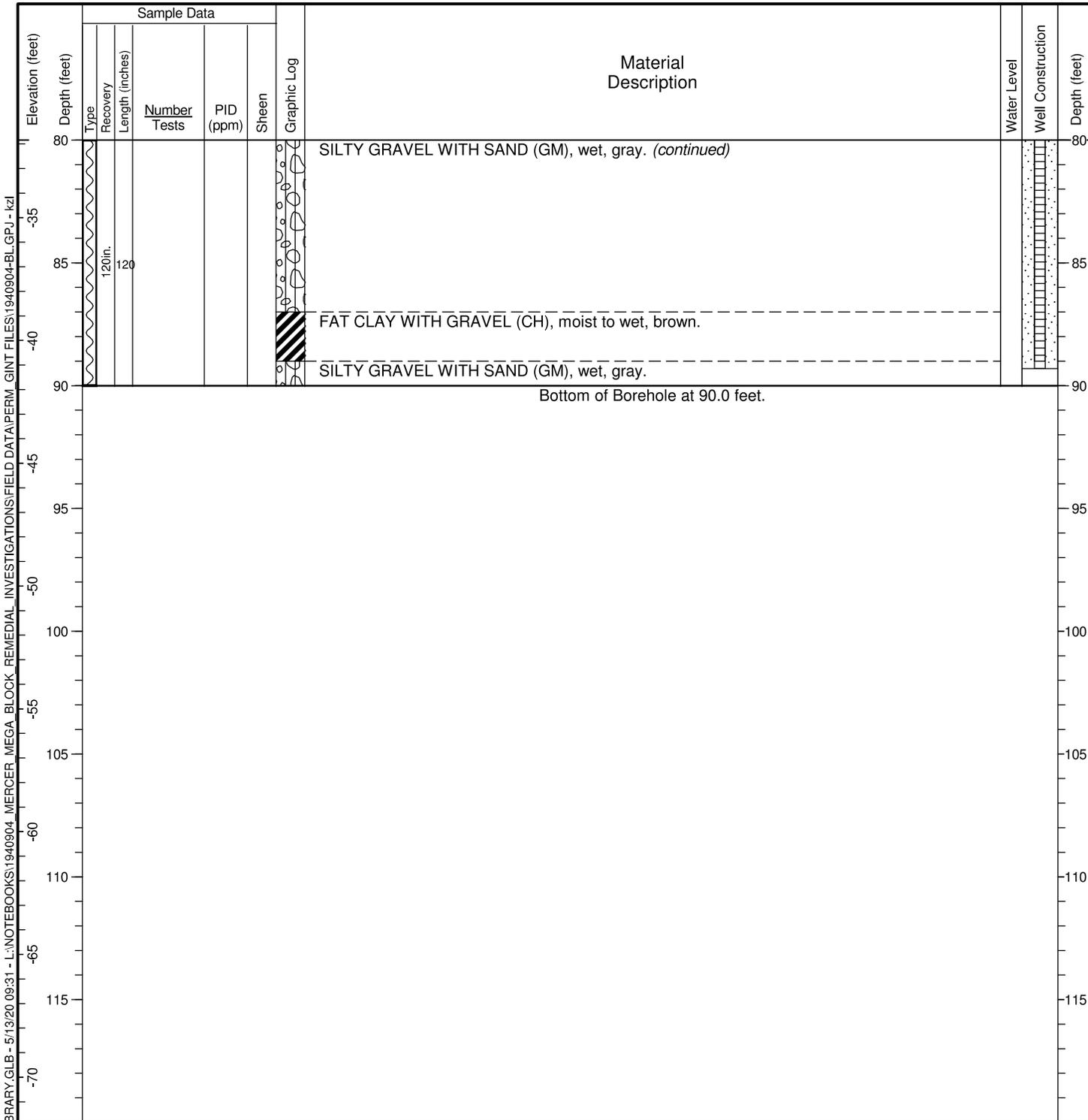
Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-10D

Figure **A1-61**
 Sheet **2 of 3**

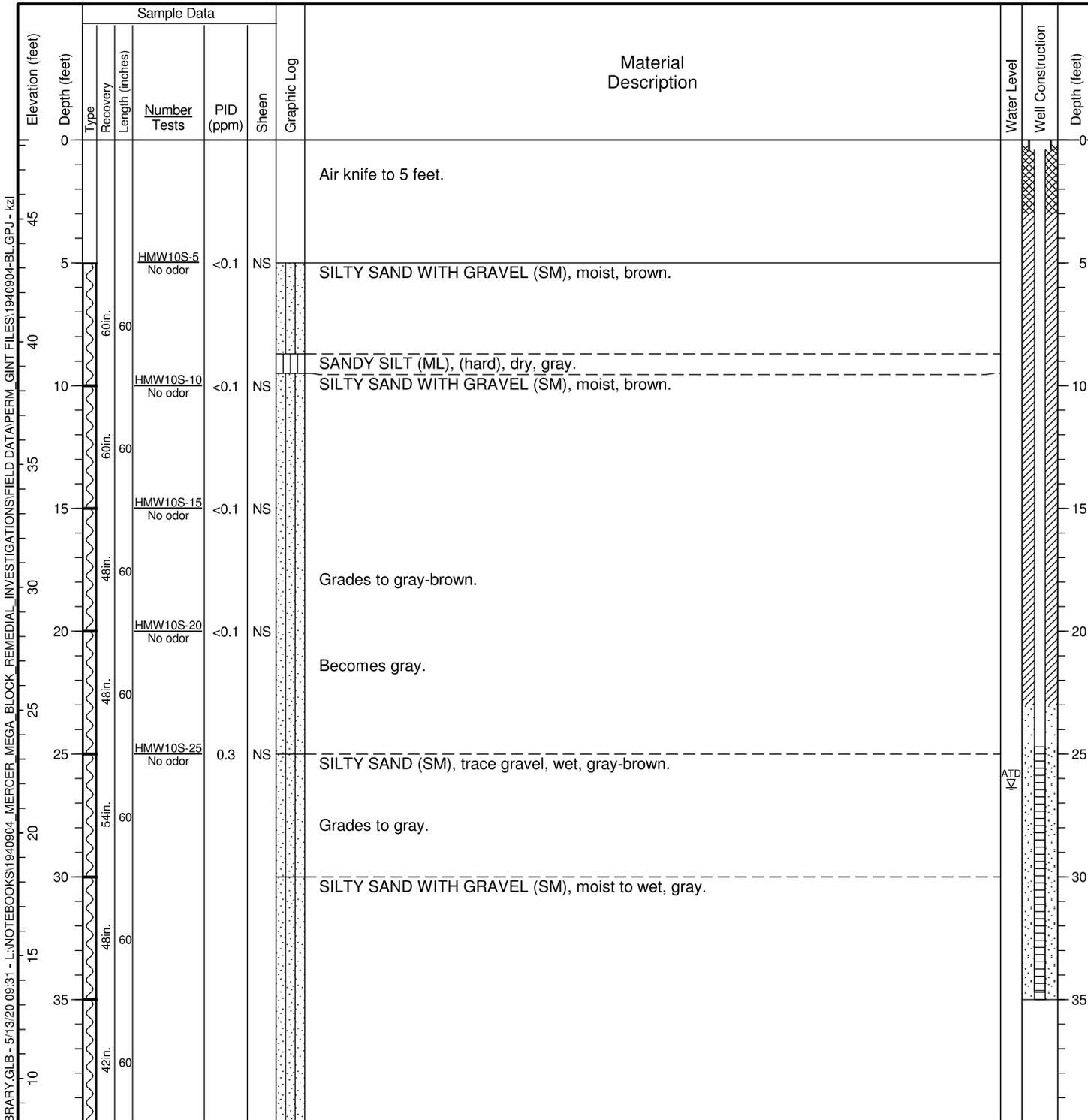
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Date Started: 3/5/20 Date Completed: 3/5/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: A. Nakahara Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624845 Long: -122.340865 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 48.16 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ194 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 90 feet Depth to Groundwater: 39.97 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: 3/3/20 Date Completed: 3/3/20 Drilling Contractor/Crew: Cascade Drilling, L.P. / Rico
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624843 Long: -122.340880 (WGS 84) Rig Model/Type: GS Mini Sonic - DB320
 Ground Surface Elevation: 48.21 feet (NAVD 88) Hammer Type:
 Comments: Well Tag ID: BLZ193 Hammer Weight (pounds): Hammer Drop Height (inches):
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 7 inches Casing Diameter: OD: 2 inches
 Total Depth: 40 feet Depth to Groundwater: 26.37 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.

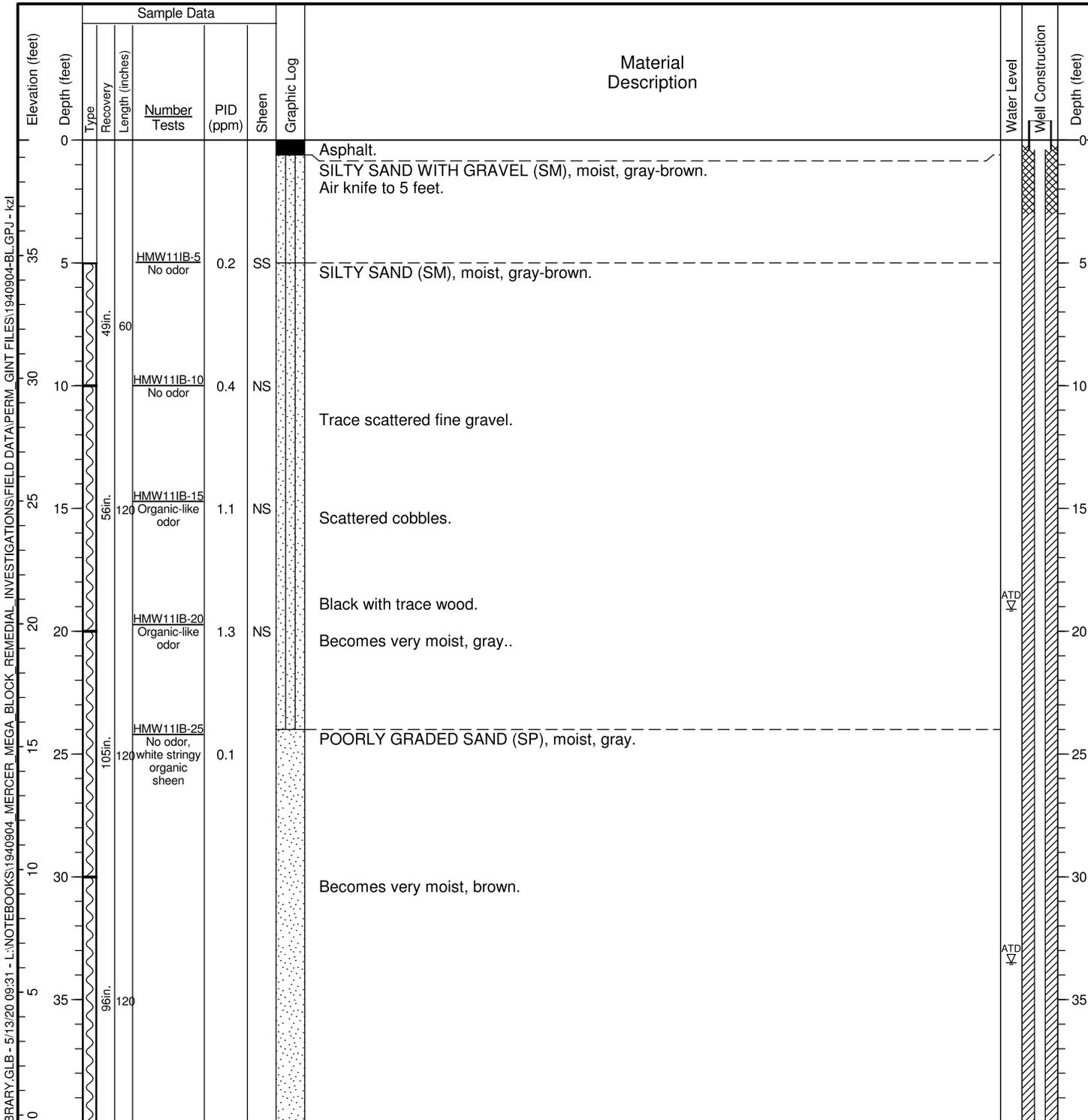


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
 HMW-10S

Figure A1-62
 Sheet 1 of 1

Date Started: 2/24/20 Date Completed: 2/24/20 Drilling Contractor/Crew: Cascade Drilling, L.P. / Dan
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624855 Long: -122.340032 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 39.7 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ196 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 70 feet Depth to Groundwater: 33.5 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.

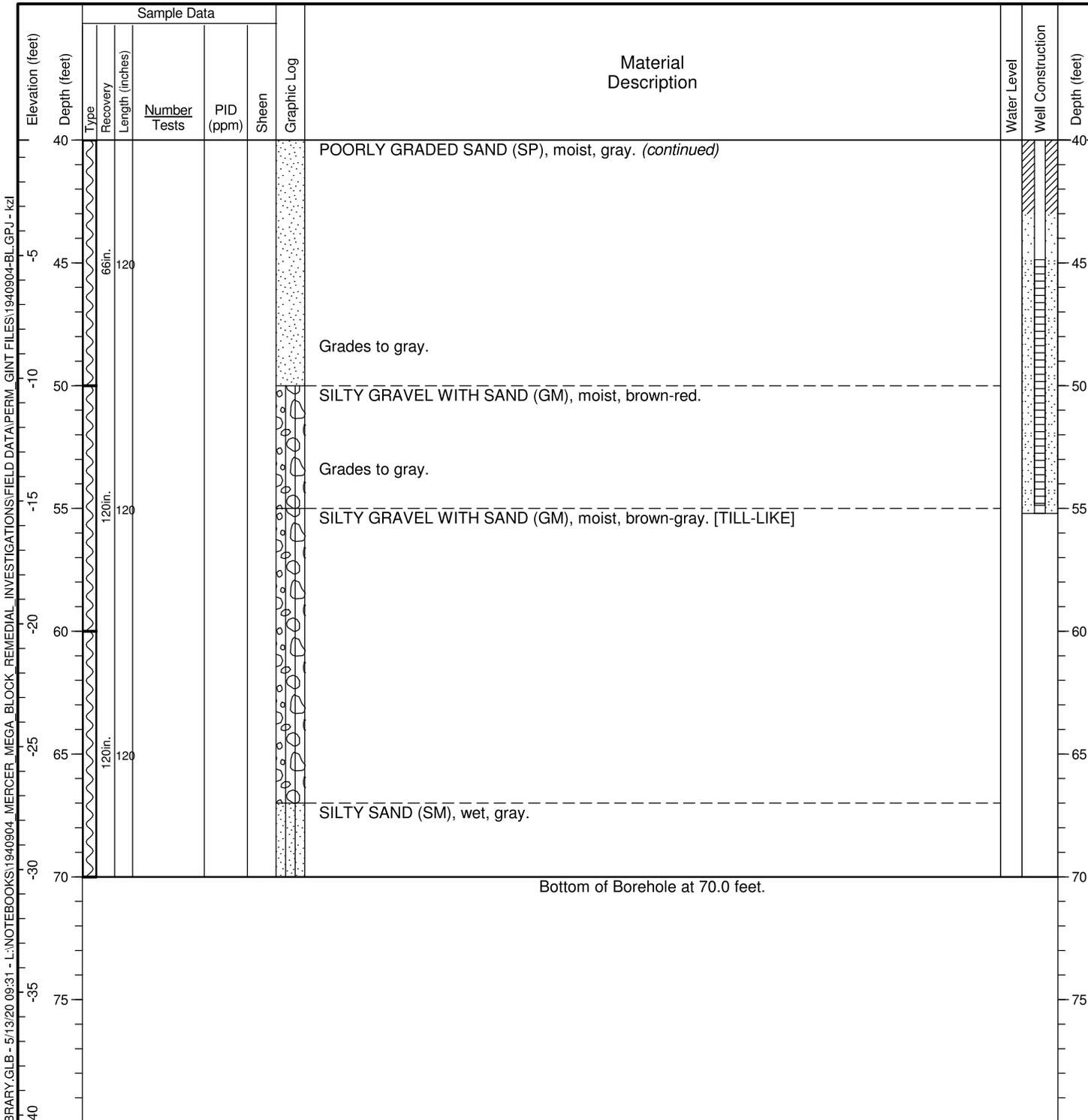


Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-111B

Figure **A1-63**
 Sheet **1 of 2**

Date Started: 2/24/20 Date Completed: 2/24/20 Drilling Contractor/Crew: Cascade Drilling, L.P. / Dan
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624855 Long: -122.340032 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 39.7 feet (NAVD 88) Hammer Type: _____
 Comments: Well Tag ID: BLZ196 Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 70 feet Depth to Groundwater: 33.5 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.



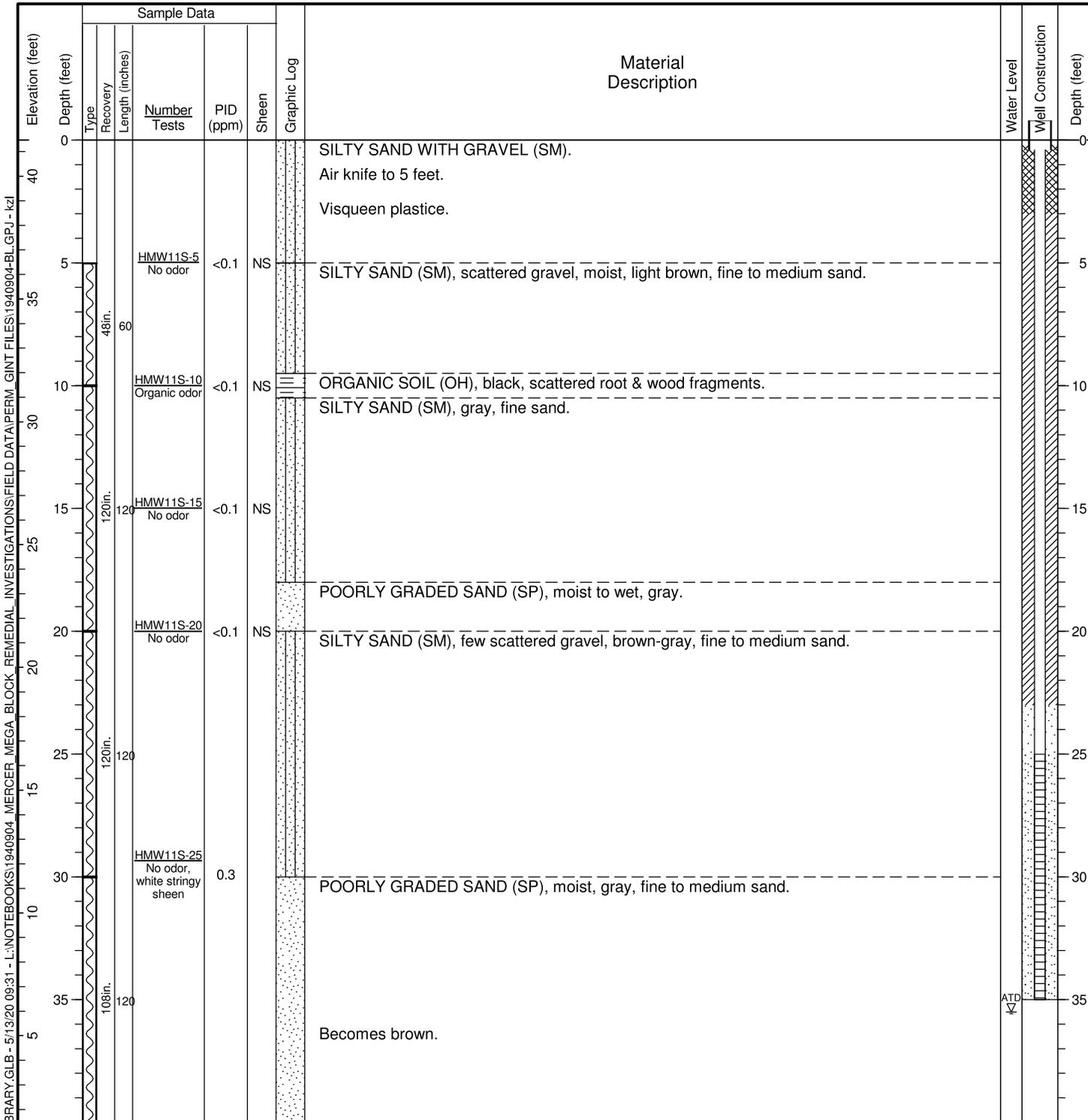
Project: Broad Block Site
 Location: Seattle, WA
 Project No.: 19409-04

Sonic Core Log
HMW-111B

Figure **A1-63**
 Sheet **2 of 2**

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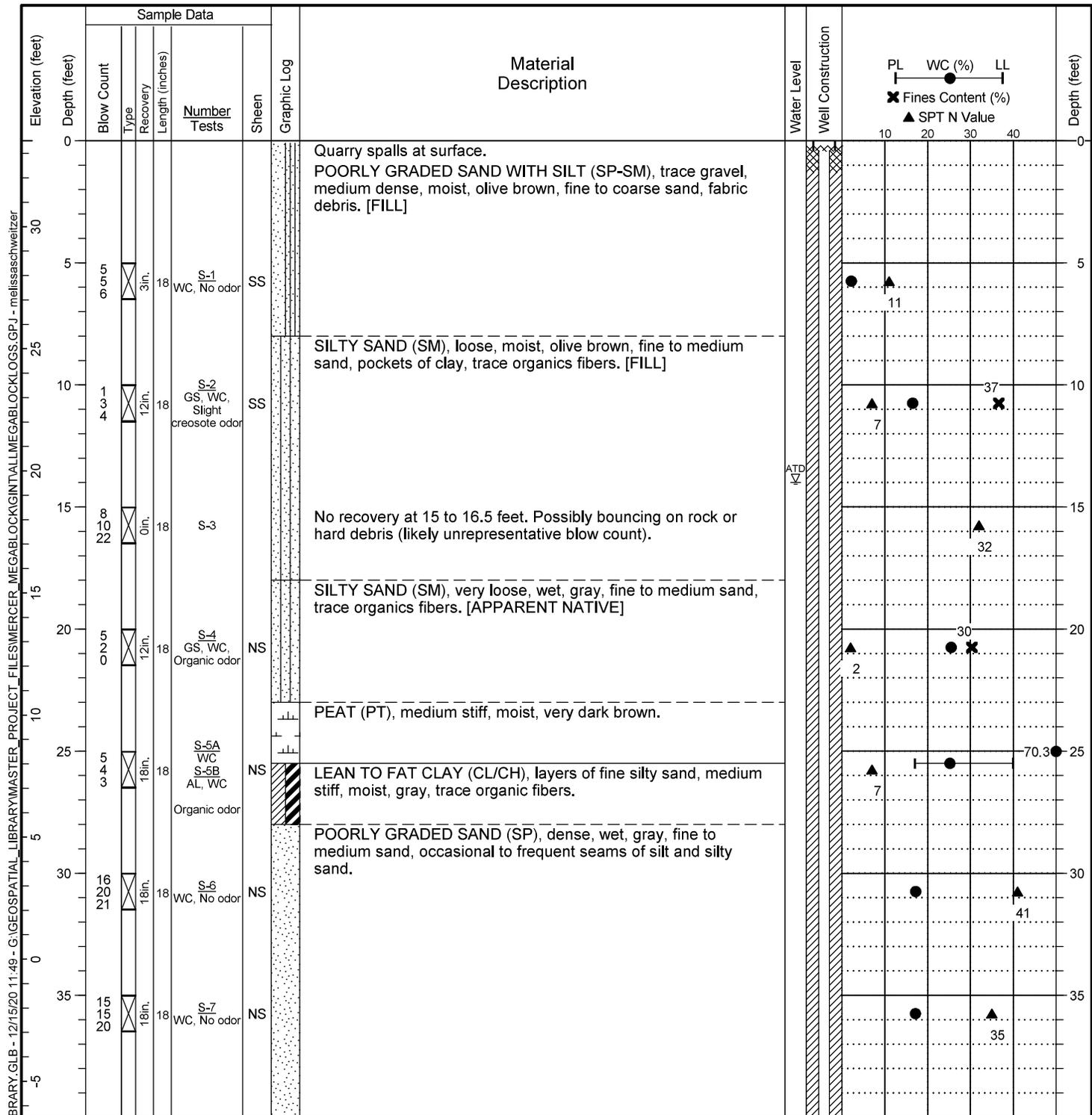
Date Started: 2/24/20 Date Completed: 2/24/20 Drilling Contractor/Crew: Cascade Drilling, L.P.
 Logged by: B. Dozier Checked by: M. Goodman Drilling Method: Sonic
 Location: Lat: 47.624882 Long: -122.340043 (WGS 84) Rig Model/Type: TSi 150CC
 Ground Surface Elevation: 41.47 feet (NAVD 88) Hammer Type:
 Comments: Well Tag ID: BLZ195 Hammer Weight (pounds): Hammer Drop Height (inches):
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
 Total Depth: 40 feet Depth to Groundwater: 35.5 feet



General Notes: Bottom of Borehole at 40.0 feet.

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: 7/13/20 Date Completed: 7/16/20 Drilling Contractor/Crew: Holt Services, Inc. / A. Causland
 Logged by: C. Kroskie/L. Phillips Checked by: J. Sved Drilling Method: Mud Rotary/Hollow Stem Auger
 Location: Lat: 47.625239 Long: -122.339947 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig
 Ground Surface Elevation: 33.52 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BMP290 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 8 inches Casing Diameter:
 Total Depth: 100.3 feet Depth to Groundwater: 14 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.

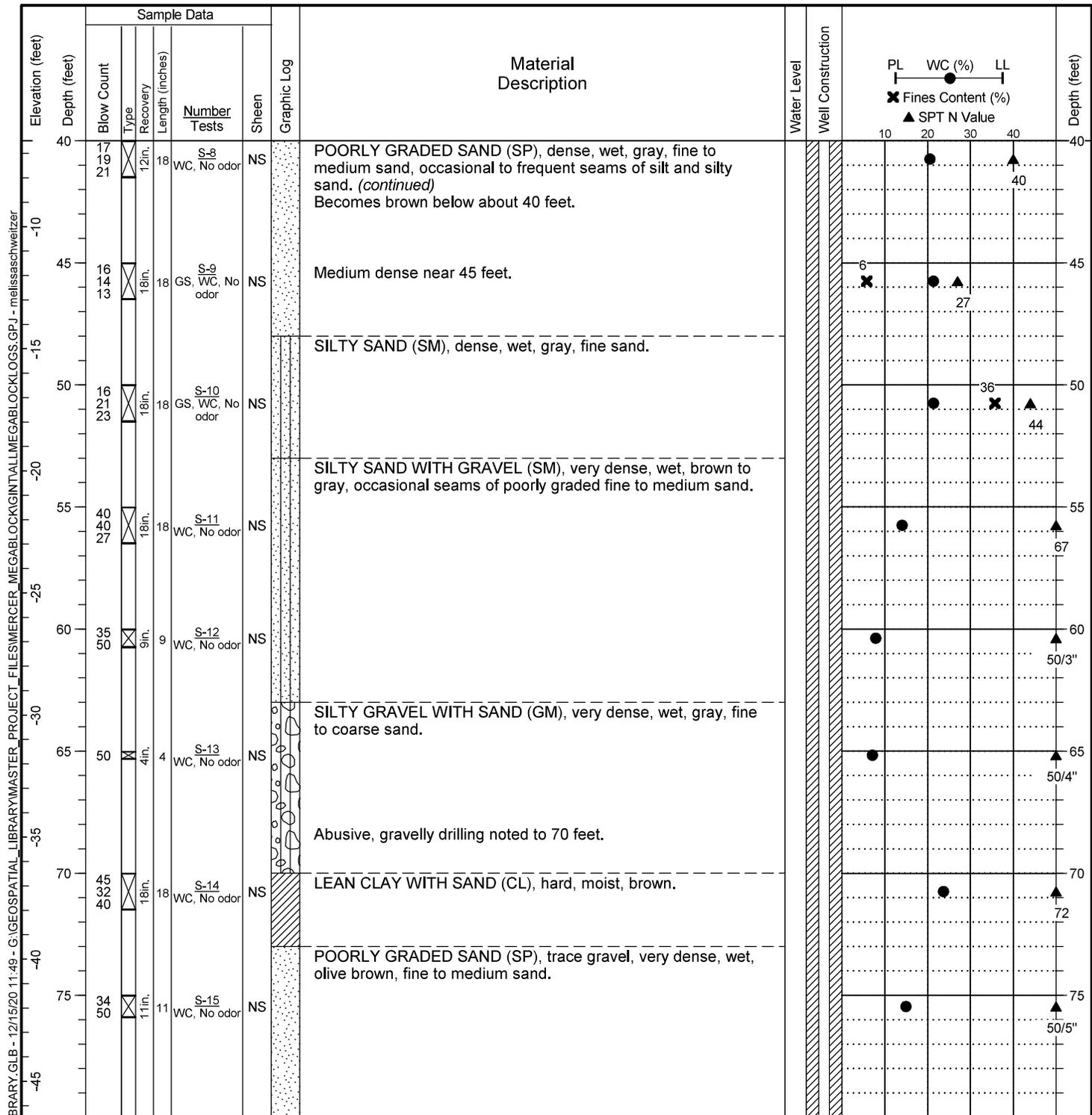


Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
HMW-12D

Figure **A1-76**
 Sheet 1 of 3

Date Started: 7/13/20 Date Completed: 7/16/20 Drilling Contractor/Crew: Holt Services, Inc. / A. Causland
 Logged by: C. Kroskie/L. Phillips Checked by: J. Sved Drilling Method: Mud Rotary/Hollow Stem Auger
 Location: Lat: 47.625239 Long: -122.339947 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig
 Ground Surface Elevation: 33.52 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BMP290 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 8 inches Casing Diameter:
 Total Depth: 100.3 feet Depth to Groundwater: 14 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.



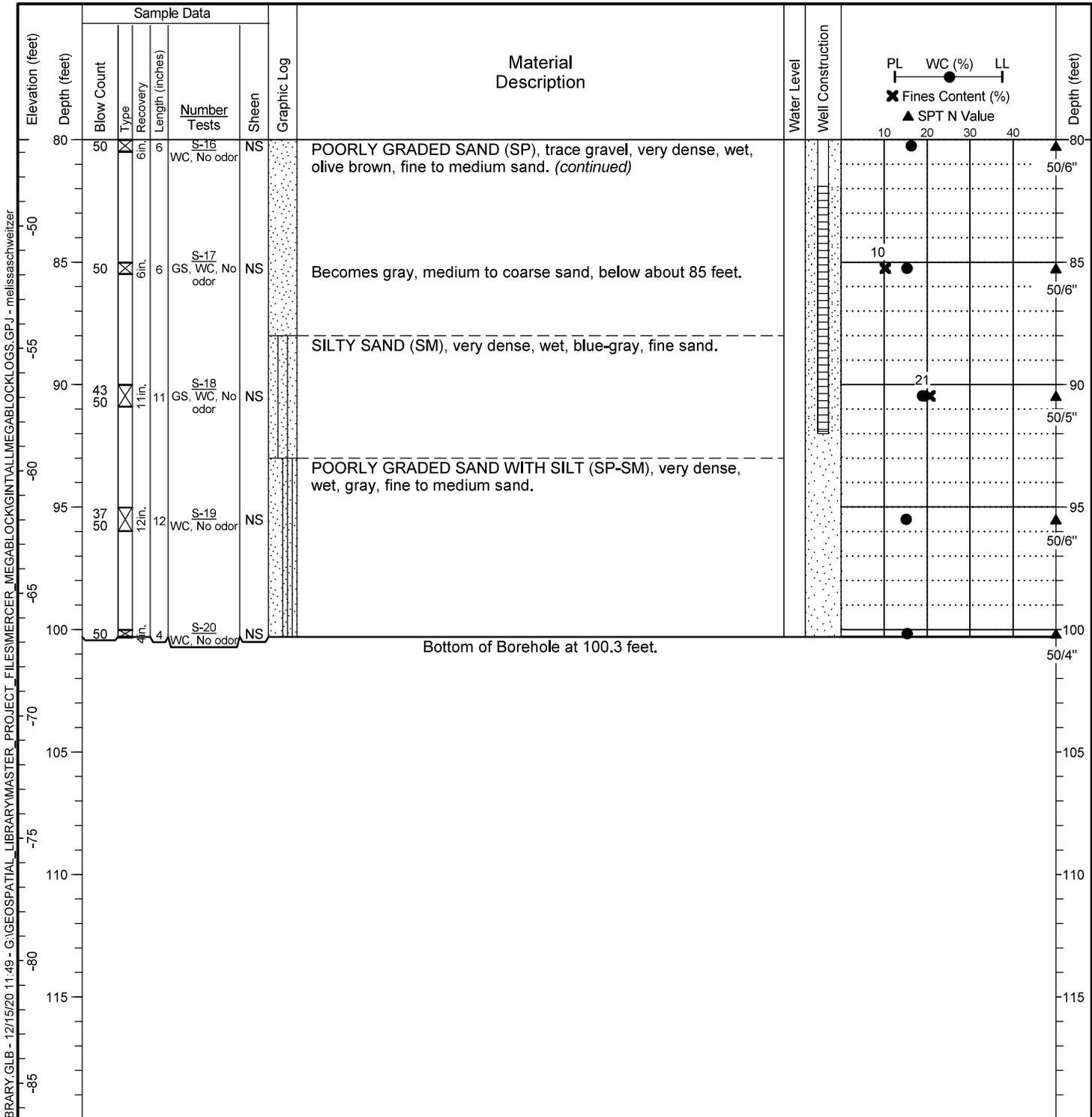
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
 HMW-12D

Figure A1-76
 Sheet 2 of 3

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Date Started: 7/13/20 Date Completed: 7/16/20 Drilling Contractor/Crew: Holt Services, Inc. / A. Causland
 Logged by: C. Kroskie/L. Phillips Checked by: J. Sved Drilling Method: Mud Rotary/Hollow Stem Auger
 Location: Lat: 47.625239 Long: -122.339947 (WGS 84) Rig Model/Type: Mobile B-57 / Track-mounted drill rig
 Ground Surface Elevation: 33.52 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BMP290 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 8 inches Casing Diameter:
 Total Depth: 100.3 feet Depth to Groundwater: 14 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.



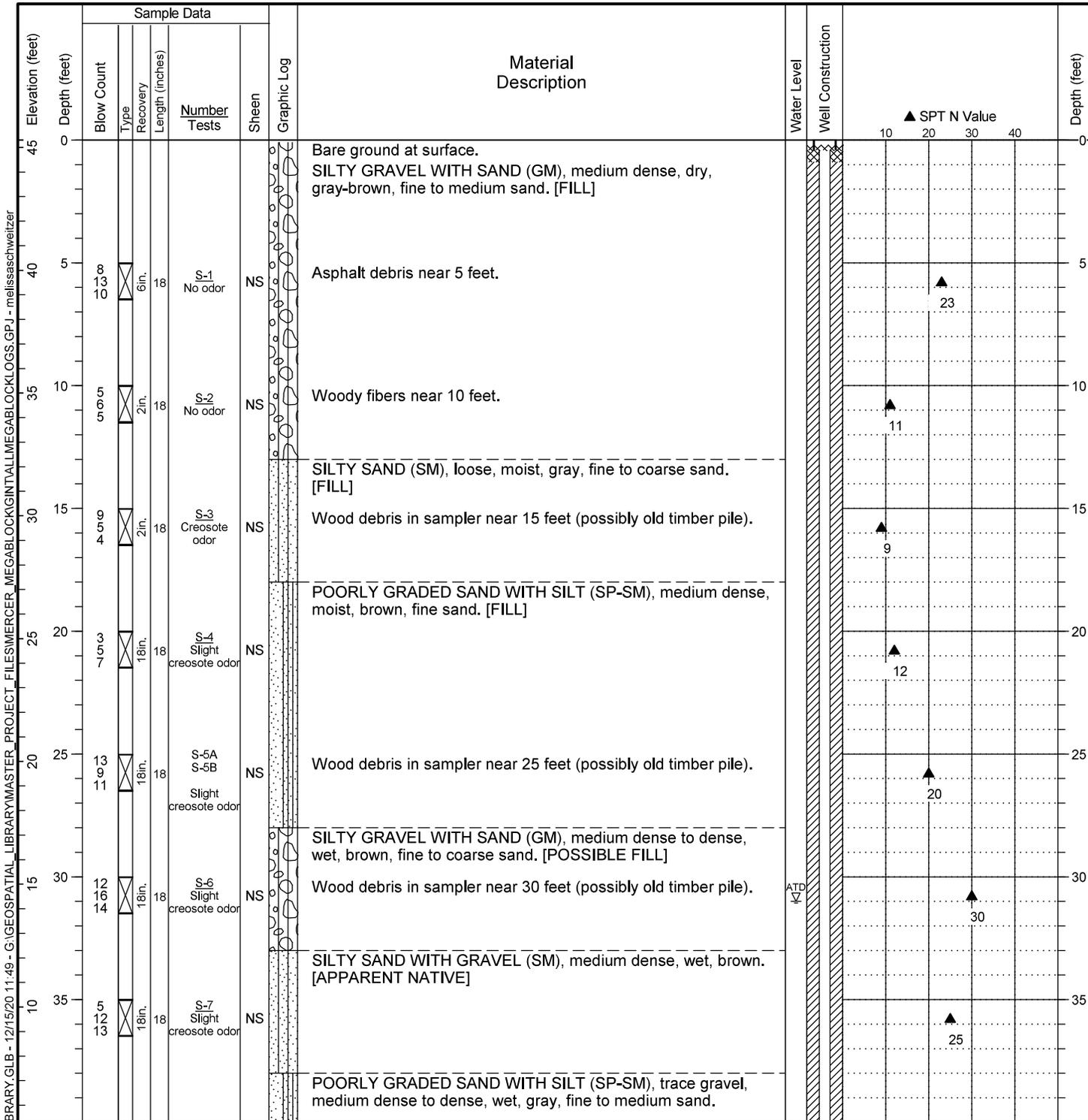
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
 HMW-12D

Figure A1-76
 Sheet 3 of 3

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: 7/22/20 Date Completed: 7/23/20 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: 47.625052 Long: -122.340400 (WGS 84) Rig Model/Type: CME-85 / Truck-mounted drill rig
 Ground Surface Elevation: 45.3 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BMP318 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 8 inches Casing Diameter:
 Total Depth: 101 feet Depth to Groundwater: 31 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.

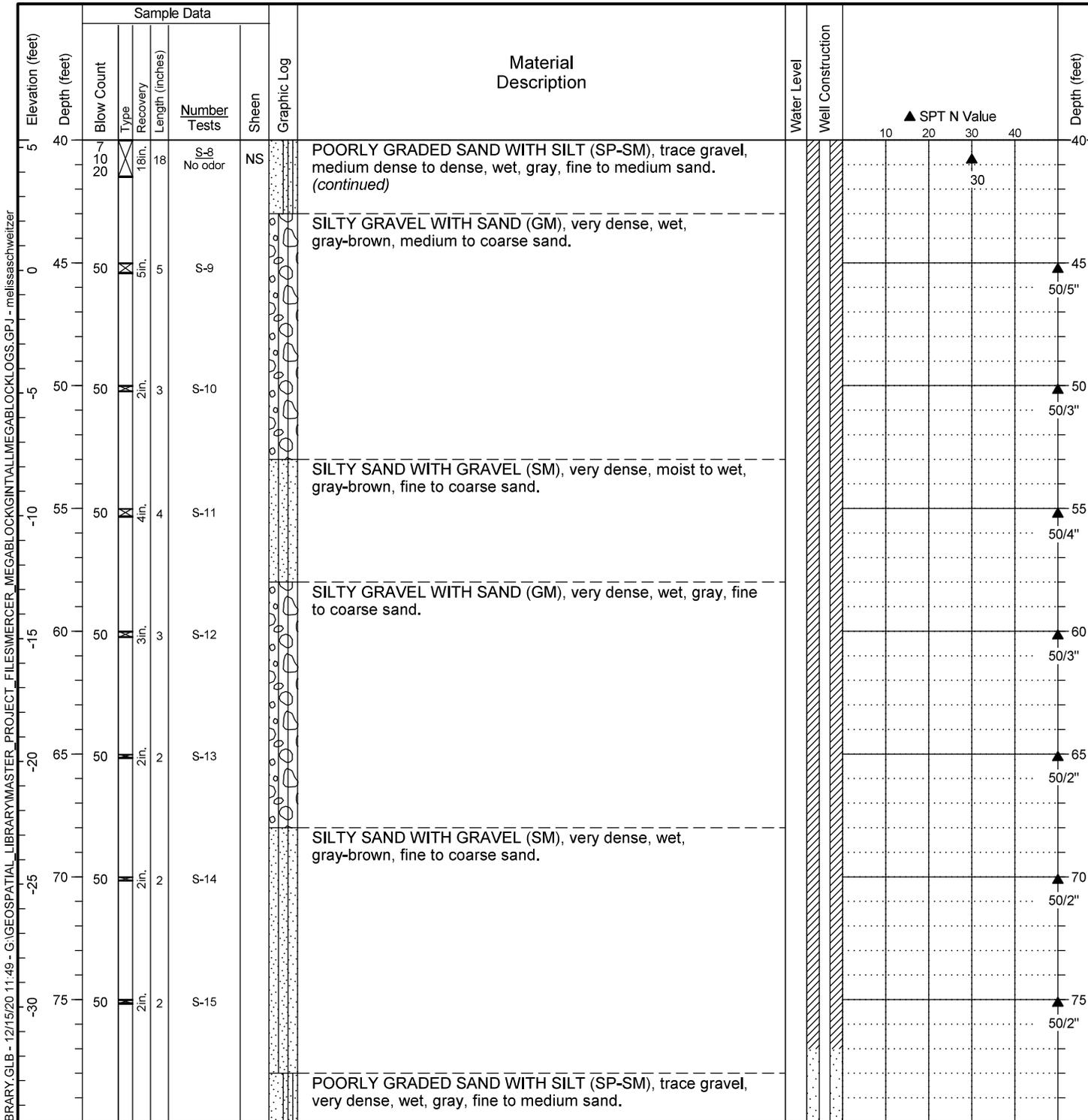


Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
 HMW-13D

Figure A1-77
 Sheet 1 of 3

Date Started: 7/22/20 Date Completed: 7/23/20 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: 47.625052 Long: -122.340400 (WGS 84) Rig Model/Type: CME-85 / Truck-mounted drill rig
 Ground Surface Elevation: 45.3 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BMP318 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 8 inches Casing Diameter:
 Total Depth: 101 feet Depth to Groundwater: 31 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.



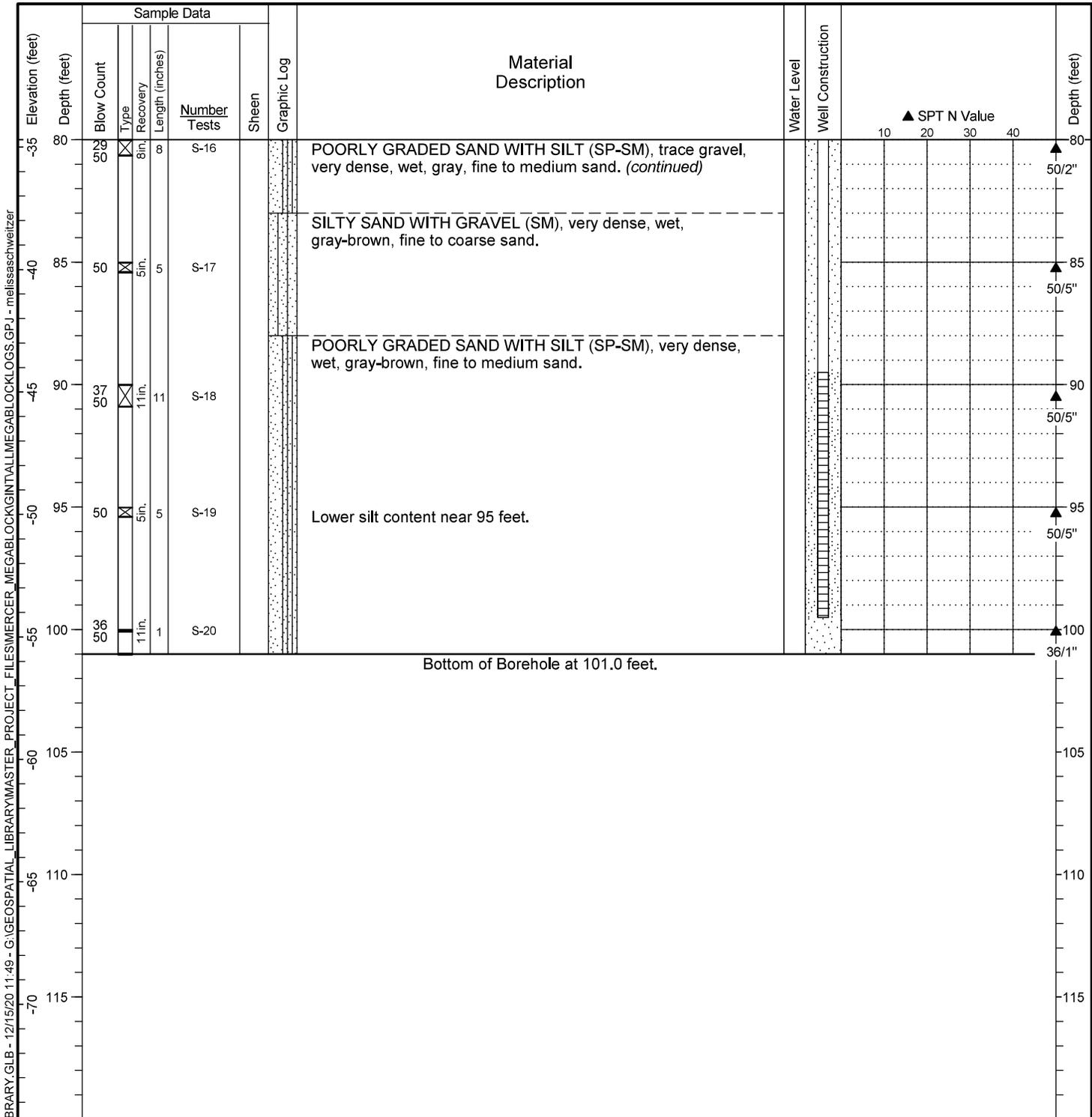
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
 HMW-13D

Figure A1-77
 Sheet 2 of 3

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: 7/22/20 Date Completed: 7/23/20 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: 47.625052 Long: -122.340400 (WGS 84) Rig Model/Type: CME-85 / Truck-mounted drill rig
 Ground Surface Elevation: 45.3 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BMP318 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 8 inches Casing Diameter:
 Total Depth: 101 feet Depth to Groundwater: 31 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.



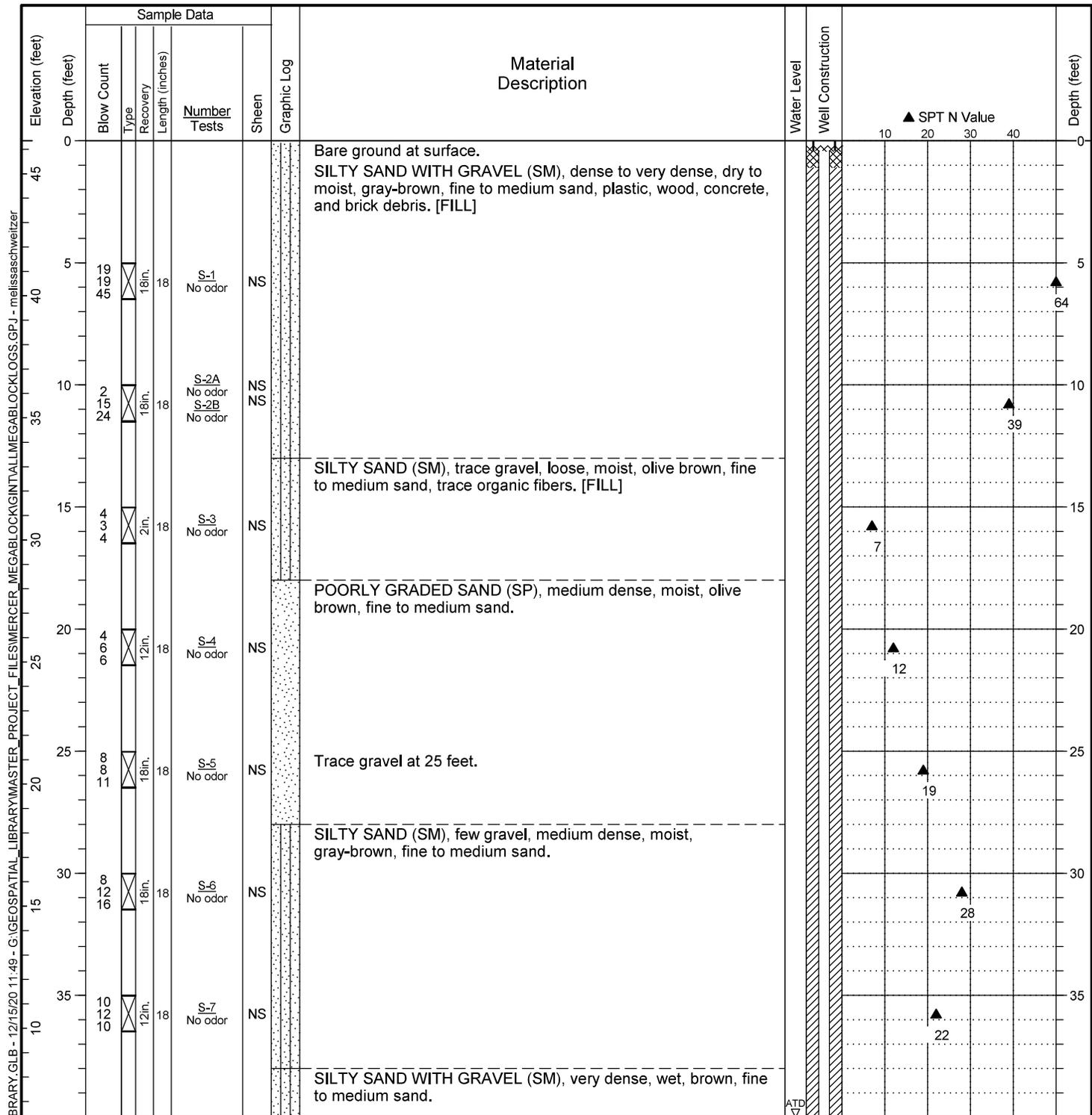
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
 HMW-13D

Figure A1-77
 Sheet 3 of 3

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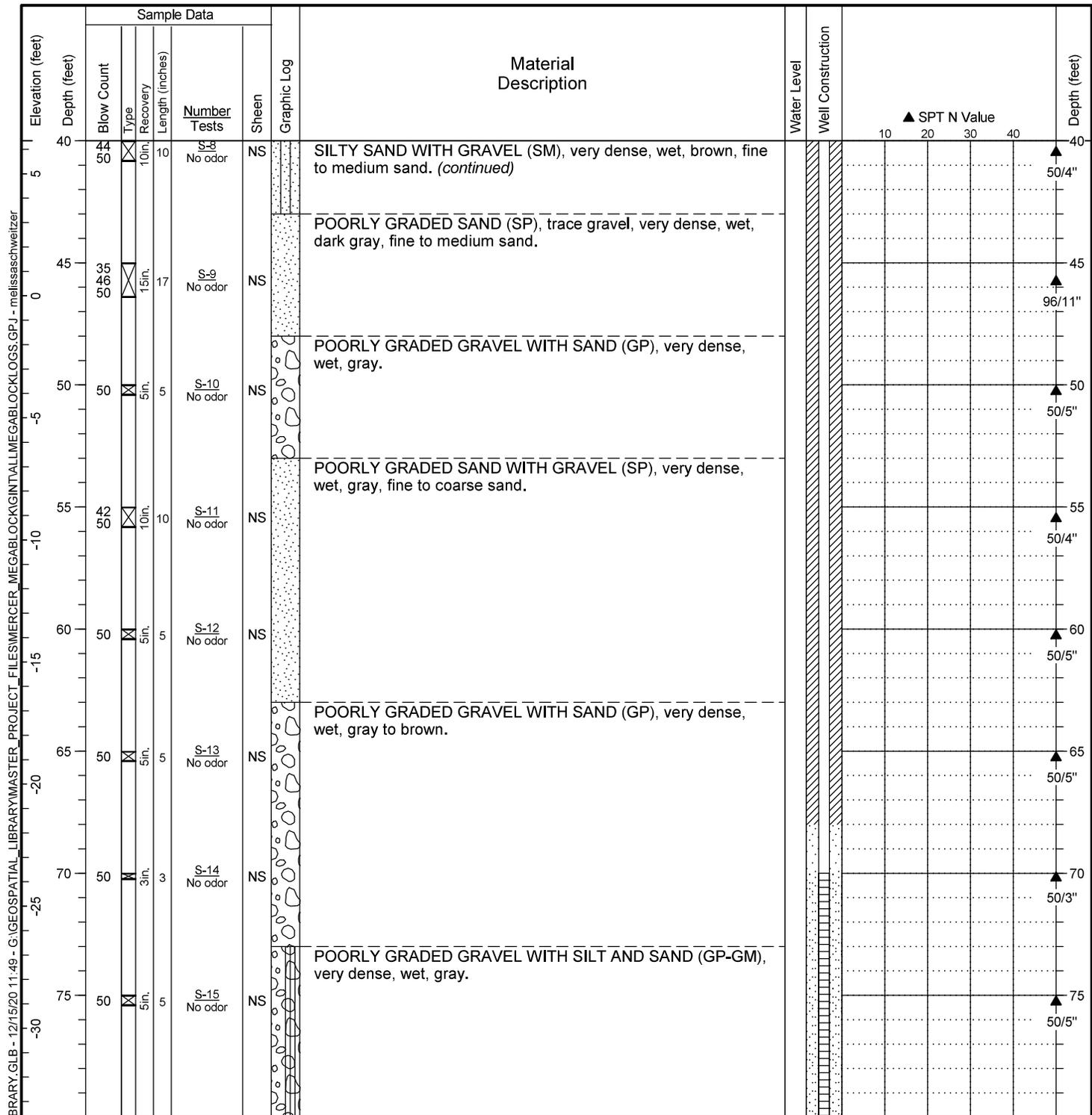
Date Started: 7/17/20 Date Completed: 7/20/20 Drilling Contractor/Crew: Holt Services, Inc. / J. Bennett
 Logged by: C. Kroskie/A. Finigan Checked by: J. Sved Drilling Method: Mud Rotary/Hollow Stem Auger
 Location: Lat: 47.624882 Long: -122.340402 (WGS 84) Rig Model/Type: CME-85 / Truck-mounted drill rig
 Ground Surface Elevation: 46.35 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BMP317 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter:
 Total Depth: 81.5 feet Depth to Groundwater: 40 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: 7/17/20 Date Completed: 7/20/20 Drilling Contractor/Crew: Holt Services, Inc. / J. Bennett
 Logged by: C. Kroskie/A. Finigan Checked by: J. Sved Drilling Method: Mud Rotary/Hollow Stem Auger
 Location: Lat: 47.624882 Long: -122.340402 (WGS 84) Rig Model/Type: CME-85 / Truck-mounted drill rig
 Ground Surface Elevation: 46.35 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BMP317 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter:
 Total Depth: 81.5 feet Depth to Groundwater: 40 feet



General Notes:

1. Refer to Figure A1-1 for explanation of descriptions and symbols.
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4. Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
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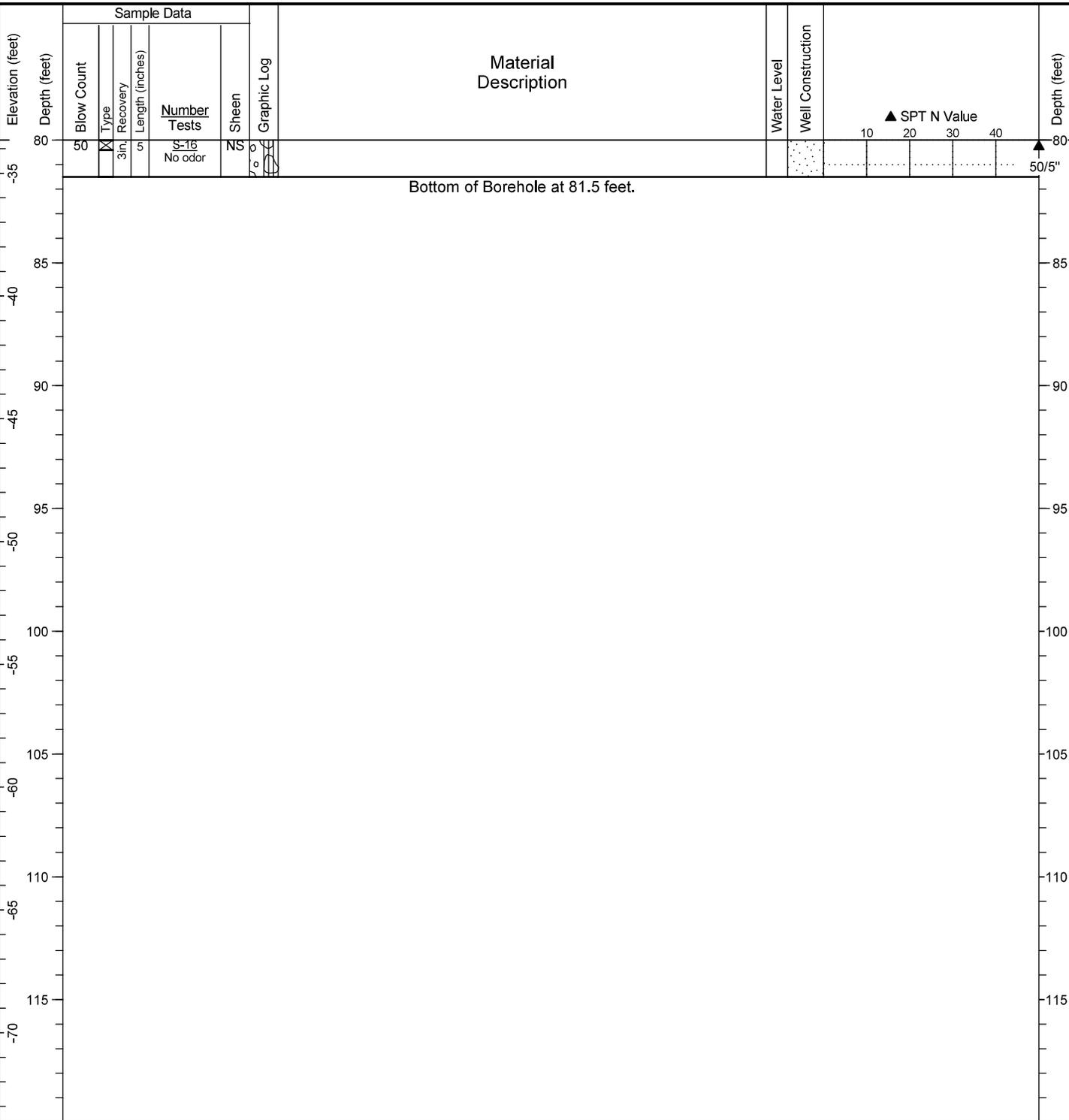


Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
HMW-14D

Figure **A1-78**
 Sheet 2 of 3

Date Started: 7/17/20 Date Completed: 7/20/20 Drilling Contractor/Crew: Holt Services, Inc. / J. Bennett
 Logged by: C. Kroskie/A. Finigan Checked by: J. Sved Drilling Method: Mud Rotary/Hollow Stem Auger
 Location: Lat: 47.624882 Long: -122.340402 (WGS 84) Rig Model/Type: CME-85 / Truck-mounted drill rig
 Ground Surface Elevation: 46.35 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BMP317 Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
 Measured Hammer Efficiency (%): Not Available
 Hole Diameter: 6 inches Casing Diameter:
 Total Depth: 81.5 feet Depth to Groundwater: 40 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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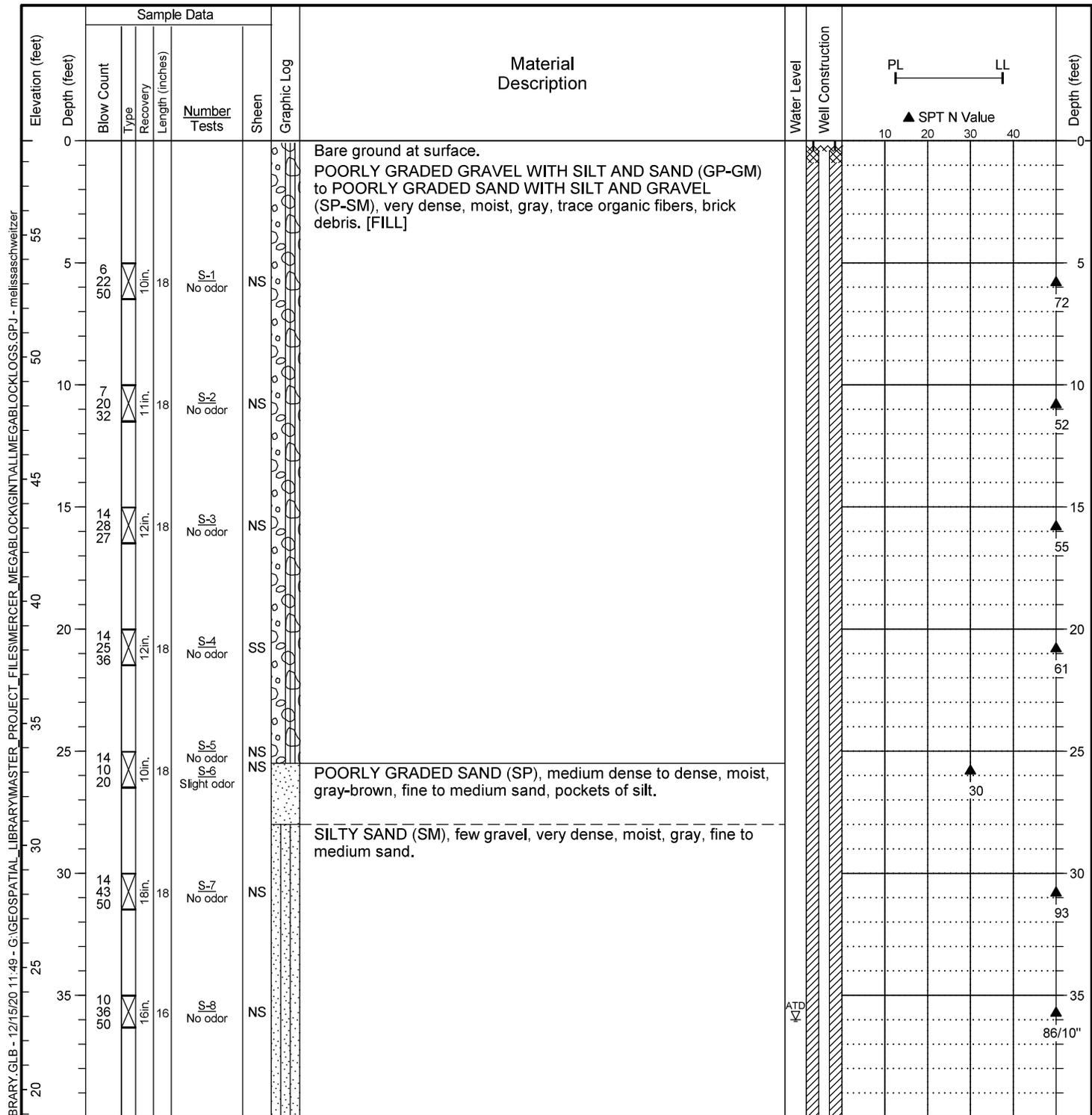


Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
HMW-14D

Figure **A1-78**
 Sheet **3 of 3**

Date Started: 7/15/20 Date Completed: 7/16/20 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: 47.624683 Long: -122.342064 (WGS 84) Rig Model/Type: CME-85 / Truck-mounted drill rig
 Ground Surface Elevation: 58.86 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BMP316 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: 36 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.

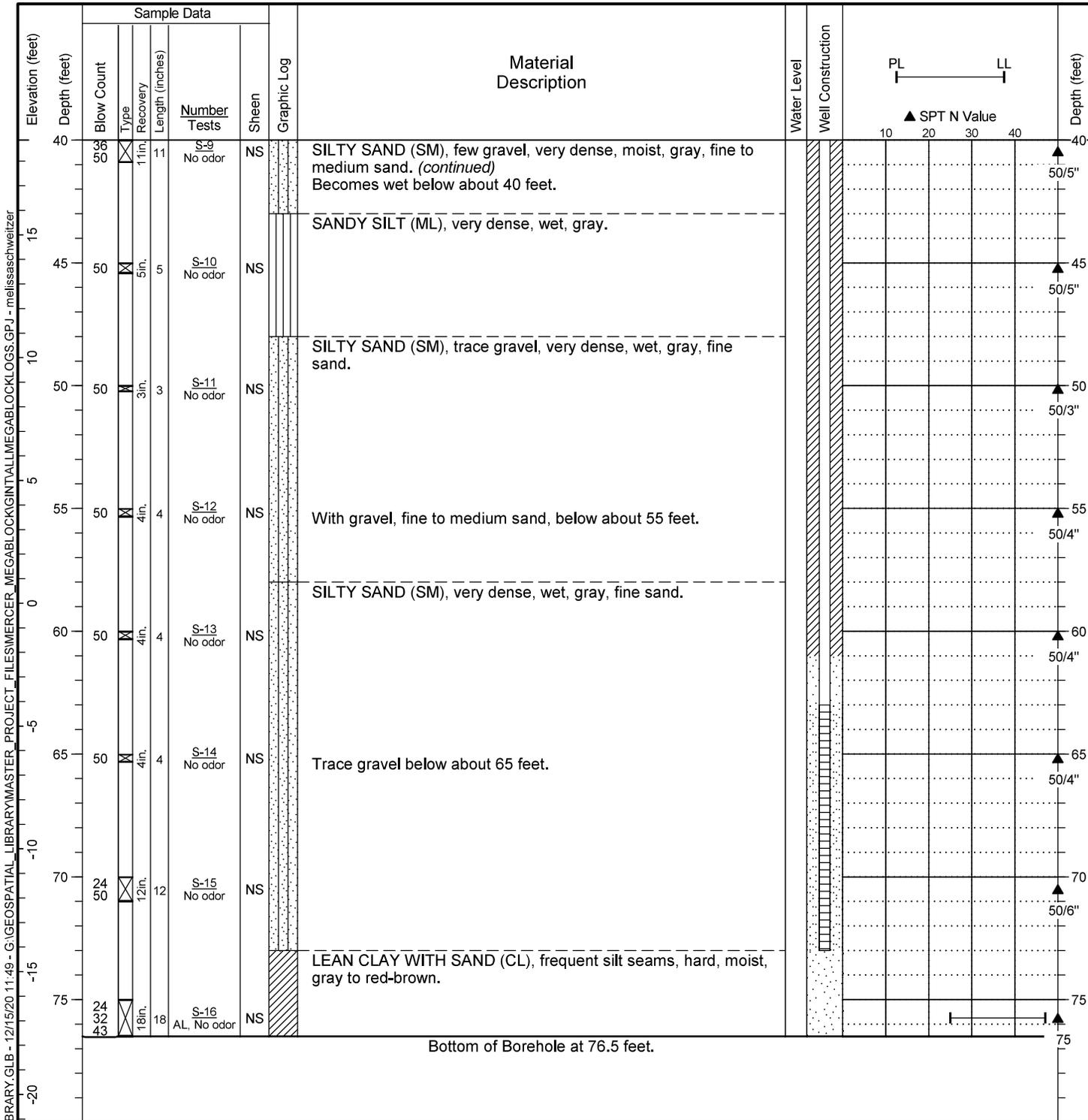


Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
HMW-15IB

Figure **A1-79**
 Sheet 1 of 2

Date Started: 7/15/20 Date Completed: 7/16/20 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: 47.624683 Long: -122.342064 (WGS 84) Rig Model/Type: CME-85 / Truck-mounted drill rig
 Ground Surface Elevation: 58.86 feet (NAVD 88) Hammer Type: Auto-hammer
 Comments: Well Tag ID: BMP316 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: 36 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.

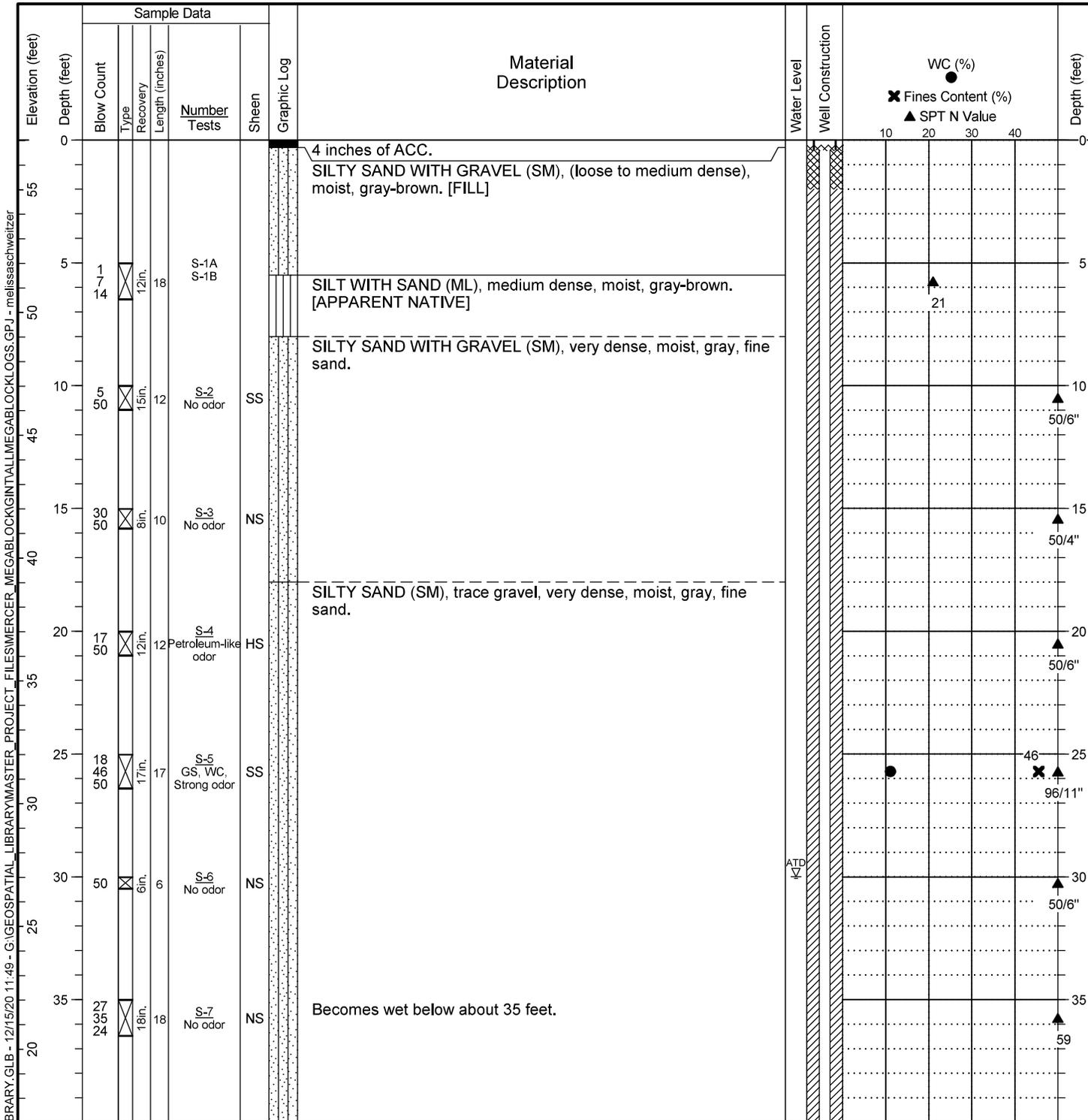


Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
HMW-15IB

Figure **A1-79**
 Sheet 2 of 2

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.
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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 1 of 2