

APPENDIX A1
Boring Logs and Well Installation Diagrams
(2019-2020 Investigation)

Sample Description

Identification of soils in this report is based on visual field and laboratory observations which include density/consistency, moisture condition, grain size, and plasticity estimates and should not be construed to imply field nor laboratory testing unless presented herein. ASTM D 2488 visual-manual identification methods were used as a guide. Where laboratory testing confirmed visual-manual identifications, then ASTM D 2487 was used to classify the soils.

Relative Density/Consistency

Soil density/consistency in borings is related primarily to the standard penetration resistance (N). Soil density/consistency in test pits and probes is estimated based on visual observation and is presented parenthetically on the logs.

SAND or GRAVEL Relative Density	N (Blows/Foot)	SILT or CLAY Consistency	N (Blows/Foot)
Very loose	0 to 4	Very soft	0 to 1
Loose	5 to 10	Soft	2 to 4
Medium dense	11 to 30	Medium stiff	5 to 8
Dense	31 to 50	Stiff	9 to 15
Very dense	>50	Very stiff	16 to 30
		Hard	>30

Moisture

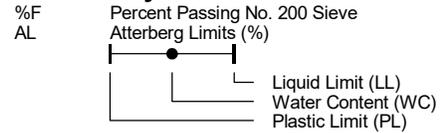
Dry	Absence of moisture, dusty, dry to the touch
Moist	Damp but no visible water
Wet	Visible free water, usually soil is below water table

Minor Constituents

Estimated Percentage

Sand, Gravel	
Trace	<5
Few	5 - 15
Cobbles, Boulders	
Trace	<5
Few	5 - 10
Little	15 - 25
Some	30 - 45

Soil Test Symbols



- CA Chemical Analysis
- CAUC Consolidated Anisotropic Undrained Compression
- CAUE Consolidated Anisotropic Undrained Extension
- CBR California Bearing Ratio
- CIDC Consolidated Drained Isotropic Triaxial Compression
- CIUC Consolidated Isotropic Undrained Compression
- CK0DC Consolidated Drained k0 Triaxial Compression
- CK0DSS Consolidated k0 Undrained Direct Simple Shear
- CK0UC Consolidated k0 Undrained Compression
- CK0UE Consolidated k0 Undrained Extension
- CRSCN Constant Rate of Strain Consolidation
- DS Direct Shear
- DSS Direct Simple Shear
- DT In Situ Density
- GS Grain Size Classification
- HYD Hydrometer
- ILCN Incremental Load Consolidation
- K0CN k0 Consolidation
- kc Constant Head Permeability
- kf Falling Head Permeability
- MD Moisture Density Relationship
- OC Organic Content
- OT Tests by Others
- P Pressuremeter
- PID Photoionization Detector Reading
- PP Pocket Penetrometer
- SG Specific Gravity
- TRS Torsional Ring Shear
- TV Torvane
- UC Unconfined Compression
- UUC Unconsolidated Undrained Triaxial Compression
- VS Vane Shear
- WC Water Content (%)

USCS Soil Classification Chart (ASTM D 2487)

Major Divisions		Symbols		Typical Descriptions
		Graph	USCS	
Coarse Grained Soils More than 50% of Material Retained on No. 200 Sieve	Gravel and Gravelly Soils More than 50% of Coarse Fraction Retained on No. 4 Sieve	Clean Gravels (<5% fines)	GW	Well-Graded Gravel; Well-Graded Gravel with Sand
		Gravels (5-12% fines)	GP	Poorly Graded Gravel; Poorly Graded Gravel with Sand
			GW-GM	Well-Graded Gravel with Silt; Well-Graded Gravel with Silt and Sand
		Gravels with Fines (>12% fines)	GW-GC	Well-Graded Gravel with Clay; Well-Graded Gravel with Clay and Sand
			GP-GM	Poorly Graded Gravel with Silt; Poorly Graded Gravel with Silt and Sand
		Sand and Sandy Soils More than 50% of Coarse Fraction Passing No. 4 Sieve	Sands with few Fines (<5% fines)	GP-GC
	GM			Silty Gravel; Silty Gravel with Sand
	Sands (5-12% fines)		GC	Clayey Gravel; Clayey Gravel with Sand
			SW	Well-Graded Sand; Well-Graded Sand with Gravel
	Fine Grained Soils More than 50% of Material Passing No. 200 Sieve	Sands with Fines (>12% fines)	SP	Poorly Graded Sand; Poorly Graded Sand with Gravel
SW-SM			Well-Graded Sand with Silt Well-Graded Sand with Silt and Gravel	
SW-SC			Well-Graded Sand with Clay; Well-Graded Sand with Clay and Gravel	
Silt		SP-SM	Poorly Graded Sand with Silt; Poorly Graded Sand with Silt and Gravel	
		SP-SC	Poorly Graded Sand with Clay; Poorly Graded Sand with Clay and Gravel	
Clays		SM	Silty Sand; Silty Sand with Gravel	
	SC	Clayey Sand; Clayey Sand with Gravel		
	ML	Silt; Silt with Sand or Gravel; Sandy or Gravelly Silt		
Silty Clay (based on Atterberg Limits)	MH	Elastic Silt; Elastic Silt with Sand or Gravel; Sandy or Gravelly Elastic Silt		
	CL-ML	Silty Clay; Silty Clay with Sand or Gravel; Gravelly or Sandy Silty Clay		
Organics	CL	Lean Clay; Lean Clay with Sand or Gravel; Sandy or Gravelly Lean Clay		
	CH	Fat Clay; Fat Clay with Sand or Gravel; Sandy or Gravelly Fat Clay		
Highly Organic (>50% organic material)	OL/OH	Organic Soil; Organic Soil with Sand or Gravel; Sandy or Gravelly Organic Soil		
	PT	Peat - Decomposing Vegetation - Fibrous to Amorphous Texture		

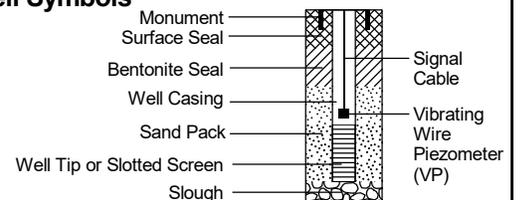
Groundwater Indicators

- Groundwater Level on Date or At Time of Drilling (ATD)
- Groundwater Level on Date Measured in Piezometer
- Groundwater Seepage (Test Pits)

Sample Symbols

- 1.5" I.D. Split Spoon
- Rock Core Run
- Grab
- 3.0" I.D. Split Spoon
- Sonic Core
- Cuttings
- Modified California Sampler
- Thin-walled Sampler
- Push Probe

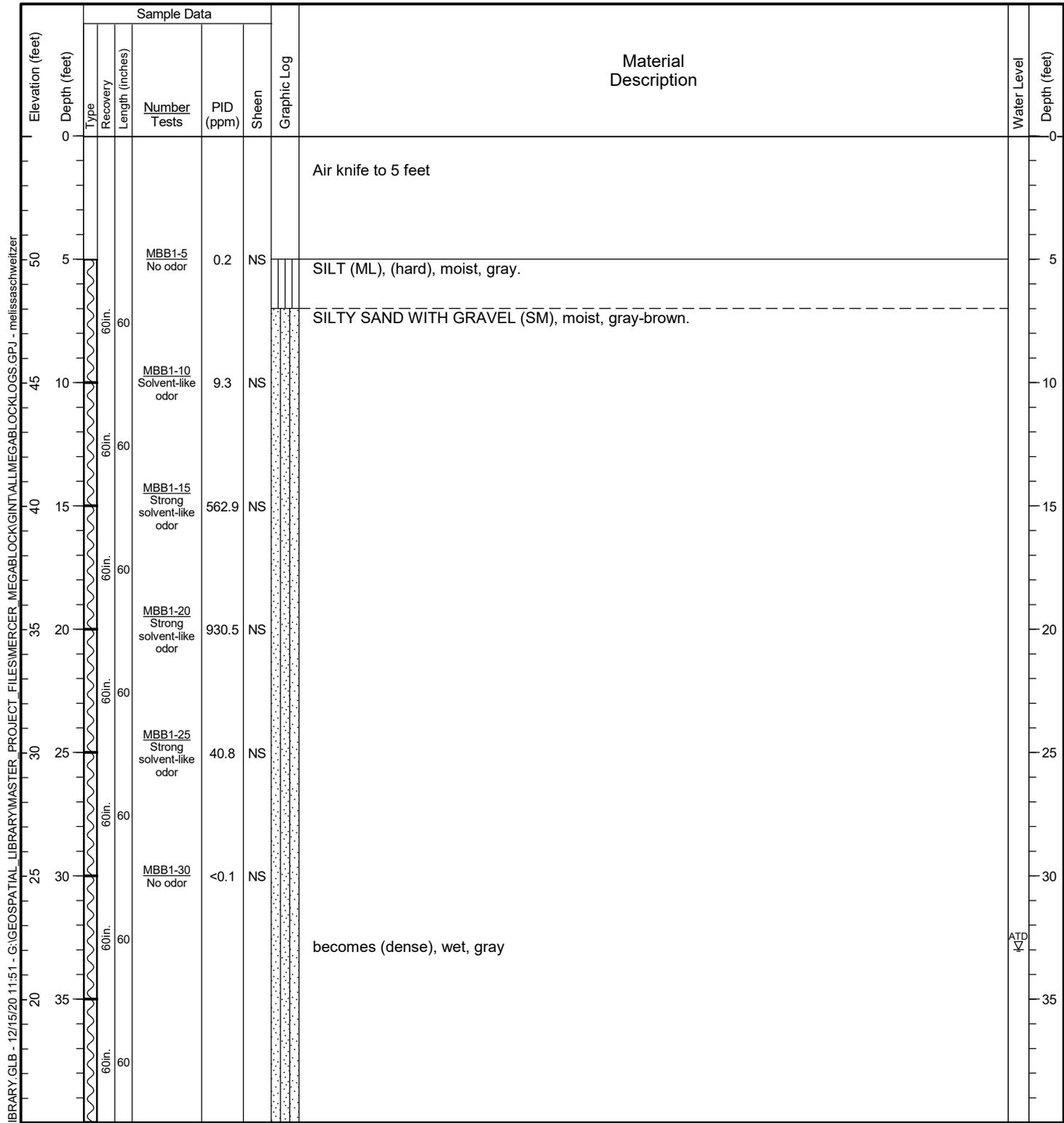
Well Symbols



KEY TO EXP LOGS (SOIL ONLY) - F:\GINT\HC_LIBRARY\GLB - 12/15/20 11:46 - G:\GEO\SPATIAL_LIBRARY\MASTER_PROJECT_FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: <u>2/27/20</u>	Date Completed: <u>2/27/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>GS Mini Sonic - DB320</u>
Location: <u>Lat: 47.625208 Long: -122.341945 (WGS 84)</u>	Hole Diameter: <u>7 inches</u>	Casing Diameter: <u>NA</u>
Ground Surface Elevation: <u>55.02 feet (NAVD 88)</u>	Total Depth: <u>40 feet</u>	Depth to Groundwater: <u>33 feet</u>
Comments: <u>Temporary well screen set at a depth of 32 and 37 feet.</u>		

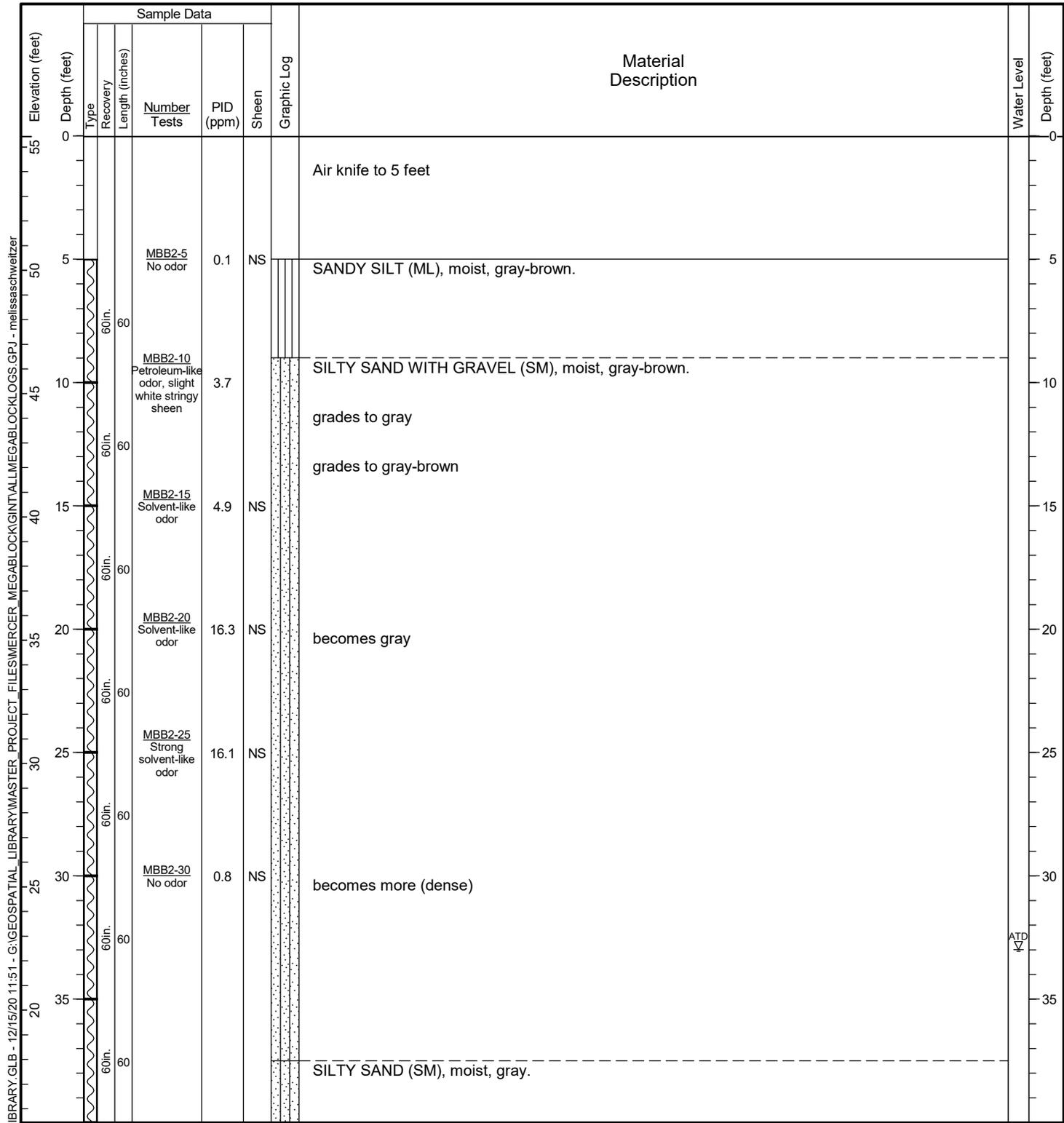


General Notes: Bottom of Borehole at 40.0 feet.

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

Public Review Draft

Date Started: <u>2/27/20</u>	Date Completed: <u>2/27/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>GS Mini Sonic - DB320</u>
Location: <u>Lat: 47.625165 Long: -122.341961 (WGS 84)</u>	Hole Diameter: <u>7 inches</u>	Casing Diameter: <u>NA</u>
Ground Surface Elevation: <u>55.45 feet (NAVD 88)</u>	Total Depth: <u>40 feet</u>	Depth to Groundwater: <u>33 feet</u>
Comments: <u>Temporary well screen set at a depth of 32 and 37 feet.</u>		

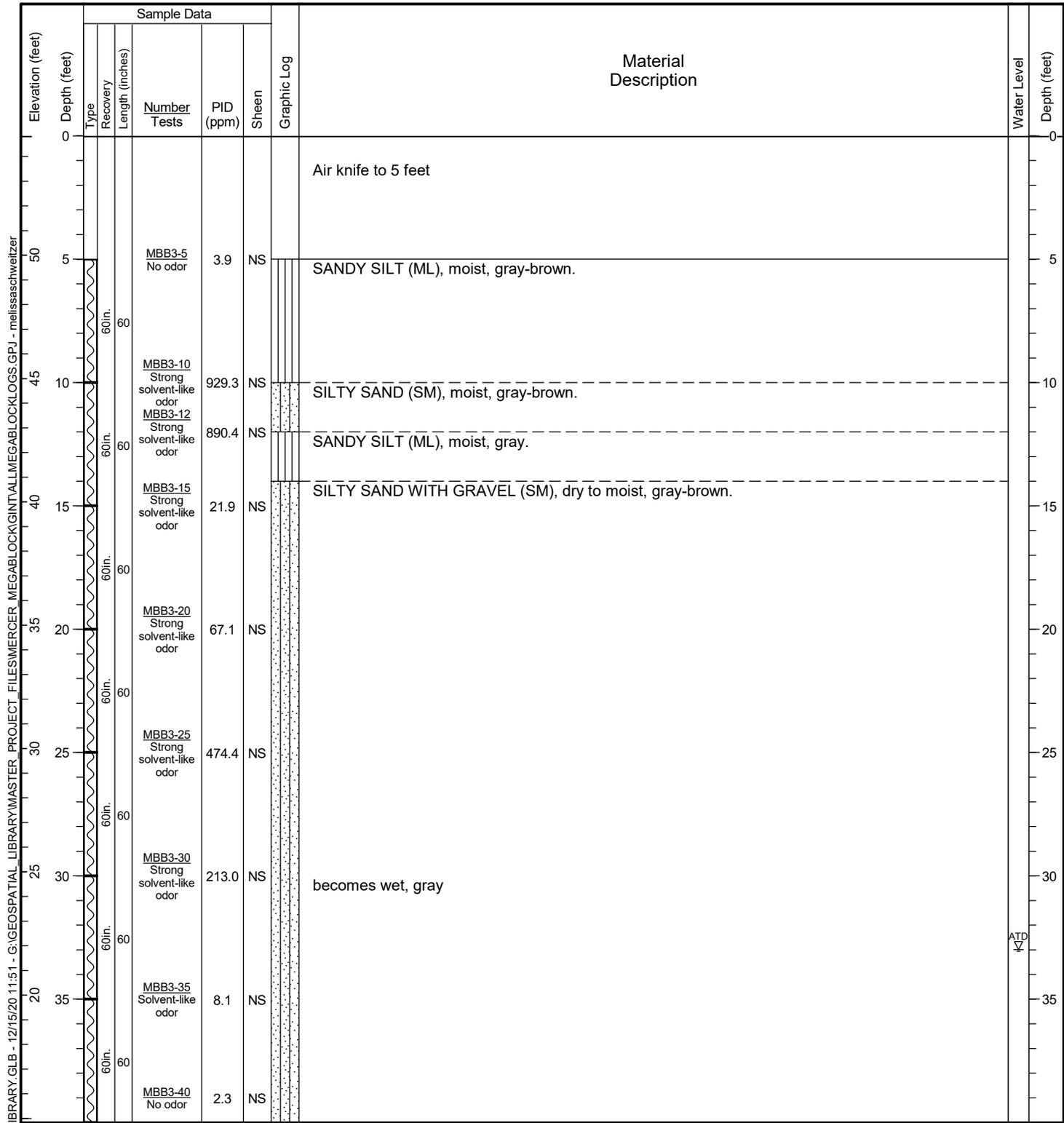


General Notes: Bottom of Borehole at 40.0 feet.

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

Public Review Draft

Date Started: <u>2/27/20</u>	Date Completed: <u>2/27/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>GS Mini Sonic - DB320</u>
Location: <u>Lat: 47.625142 Long: -122.341909 (WGS 84)</u>	Hole Diameter: <u>7 inches</u>	Casing Diameter: <u>NA</u>
Ground Surface Elevation: <u>54.84 feet (NAVD 88)</u>	Total Depth: <u>40 feet</u>	Depth to Groundwater: <u>33 feet</u>
Comments: <u>Temporary well screen set at a depth of 32 and 37 feet.</u>		



General Notes:

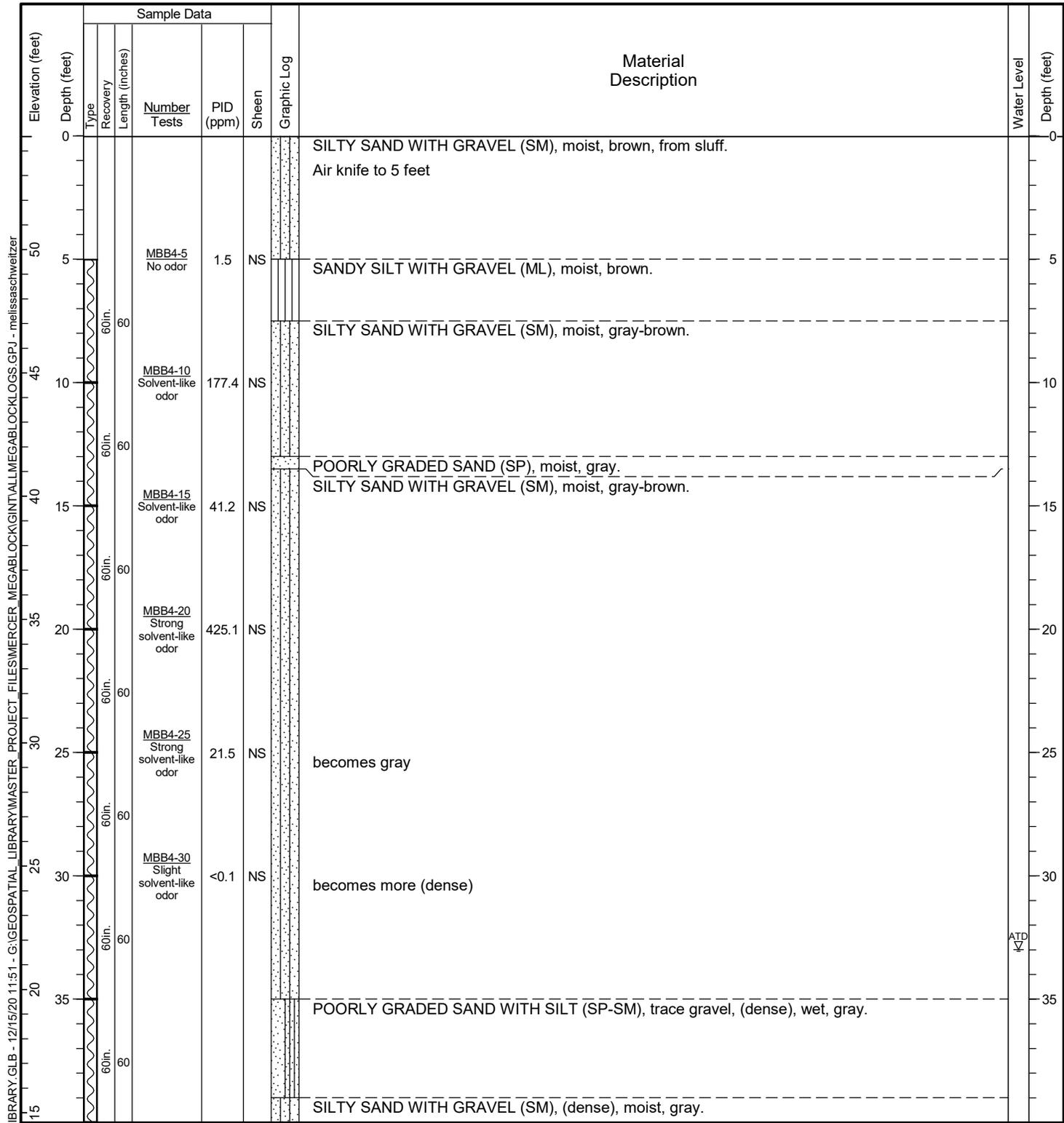
1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification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

Bottom of Borehole at 40.0 feet.

HC PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:51 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: <u>2/27/20</u>	Date Completed: <u>2/27/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>GS Mini Sonic - DB320</u>
Location: <u>Lat: 47.625160 Long: -122.341879 (WGS 84)</u>	Hole Diameter: <u>7 inches</u>	Casing Diameter: <u>NA</u>
Ground Surface Elevation: <u>54.61 feet (NAVD 88)</u>	Total Depth: <u>40 feet</u>	Depth to Groundwater: <u>33 feet</u>
Comments: <u>Temporary well screen set at a depth of 32 and 37 feet.</u>		



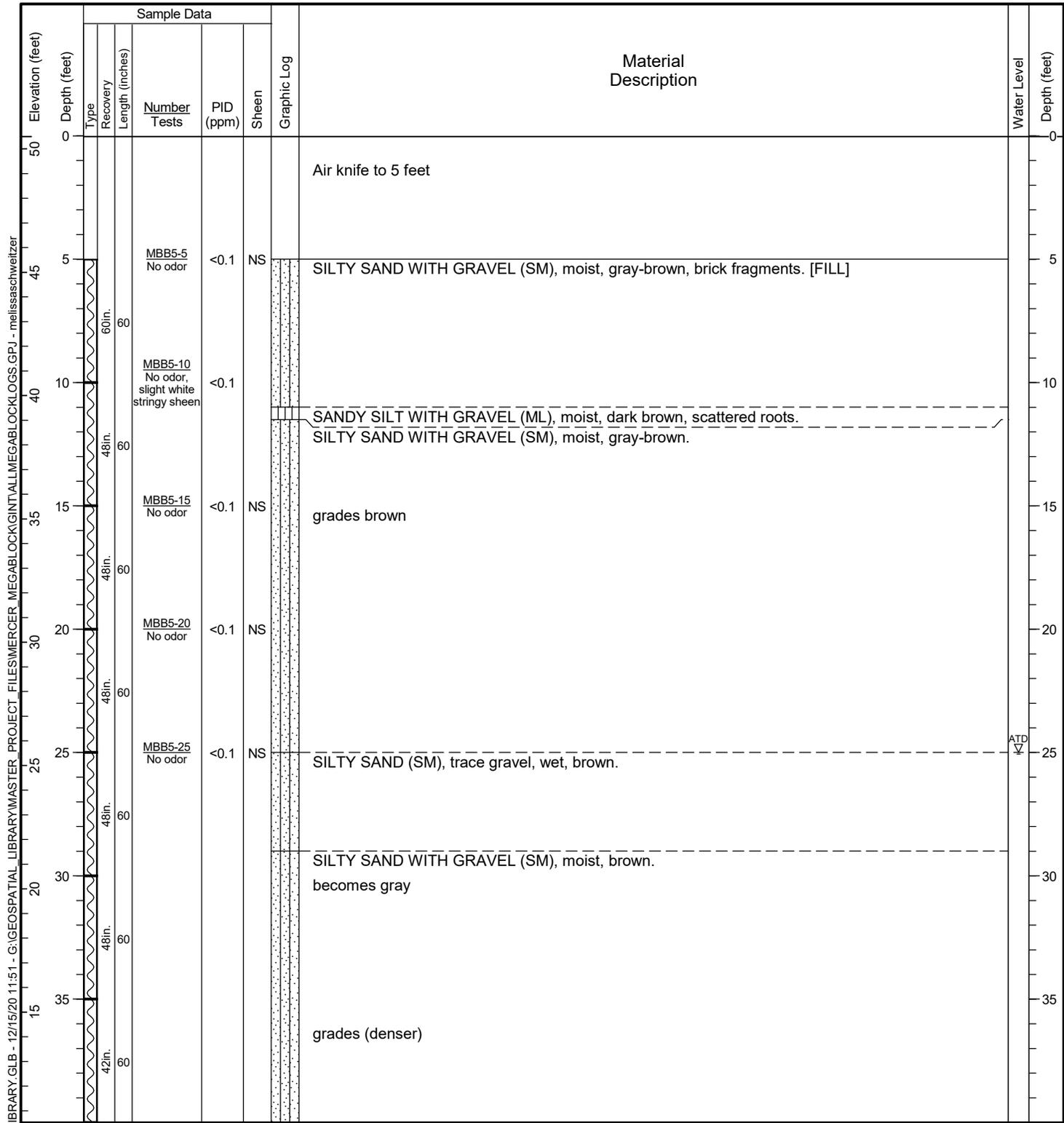
General Notes: Bottom of Borehole at 40.0 feet.

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

HC PUSH PROBE - F:\GINTHC LIBRARY\GLB - 12/15/20 11:51 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINTALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: 3/2/20	Date Completed: 3/2/20	Contractor/Crew: Cascade Drilling, L.P.
Logged by: B. Dozier	Checked by: M. Goodman	Rig Model/Type: GS Mini Sonic - DB320
Location: Lat: 47.625125 Long: -122.341321 (WGS 84)	Hole Diameter: 7 inches	Casing Diameter: NA
Ground Surface Elevation: 50.53 feet (NAVD 88)	Total Depth: 40 feet	Depth to Groundwater: 25 feet
Comments: Temporary well screen set at a depth of 32 and 37 feet.		

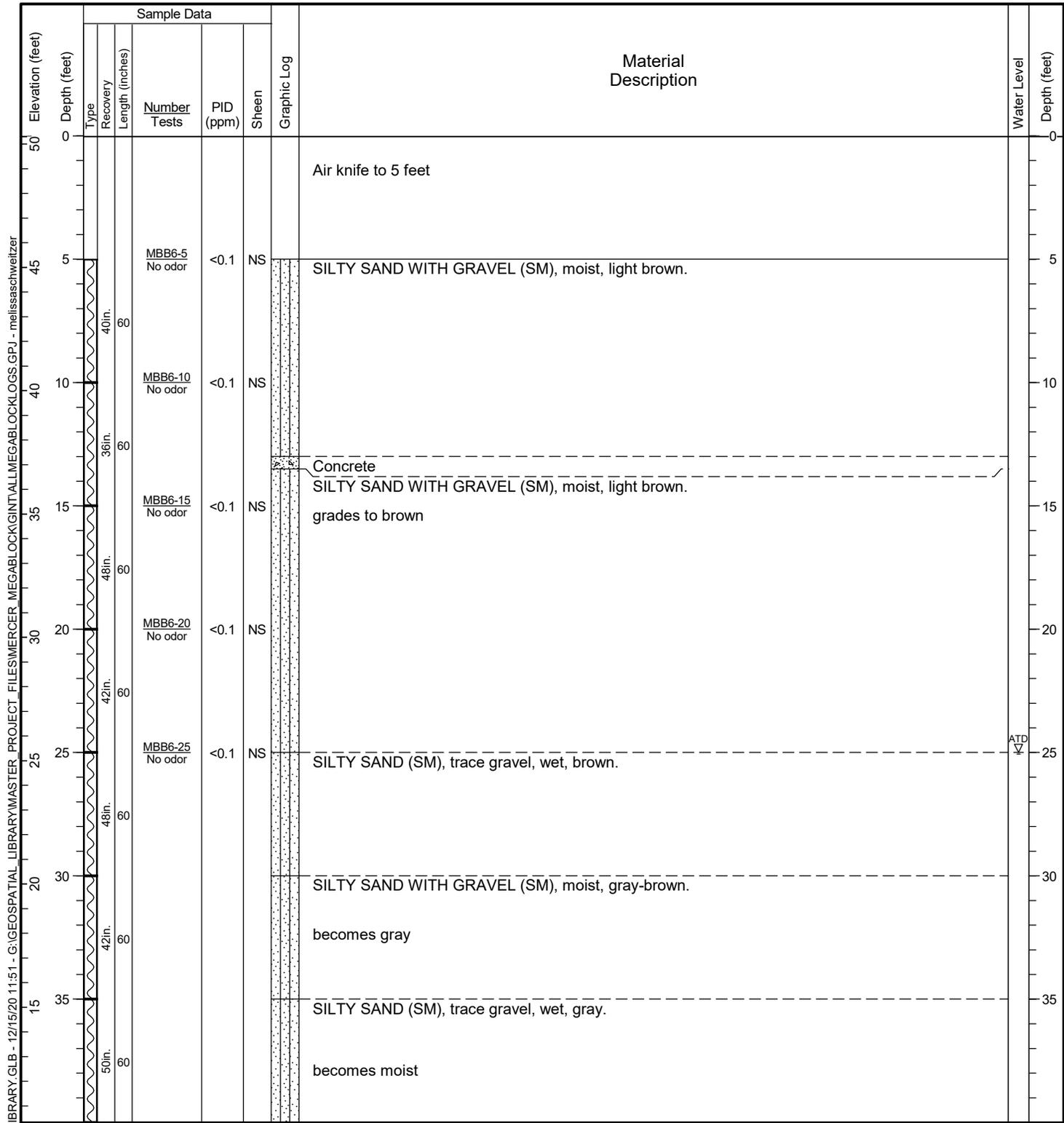


General Notes: Bottom of Borehole at 40.0 feet.

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

Public Review Draft

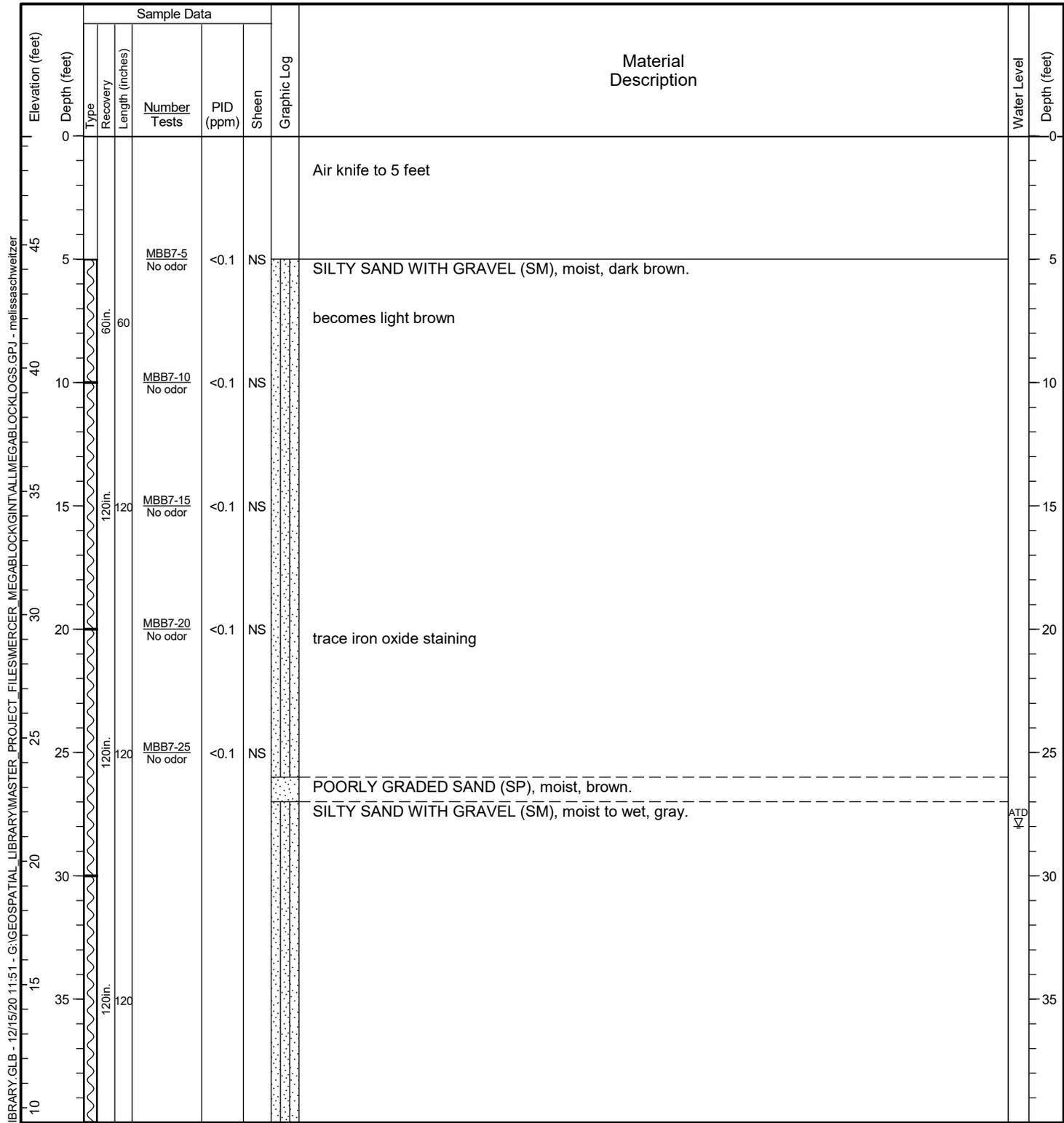
Date Started: <u>3/3/20</u>	Date Completed: <u>3/3/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>GS Mini Sonic - DB320</u>
Location: <u>Lat: 47.625113 Long: -122.341268 (WGS 84)</u>	Hole Diameter: <u>7 inches</u>	Casing Diameter: <u>NA</u>
Ground Surface Elevation: <u>50.33 feet (NAVD 88)</u>	Total Depth: <u>40 feet</u>	Depth to Groundwater: <u>25 feet</u>
Comments: <u>Temporary well screen set at a depth of 25 and 30 feet.</u>		



General Notes: Bottom of Borehole at 40.0 feet.

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

Date Started: <u>2/25/20</u>	Date Completed: <u>2/25/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSI 150CC</u>
Location: <u>Lat: 47.625224 Long: -122.341123 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>NA</u>
Ground Surface Elevation: <u>49.41 feet (NAVD 88)</u>	Total Depth: <u>40 feet</u>	Depth to Groundwater: <u>28 feet</u>
Comments: <u>Temporary well screen set at a depth of 27 and 32 feet.</u>		



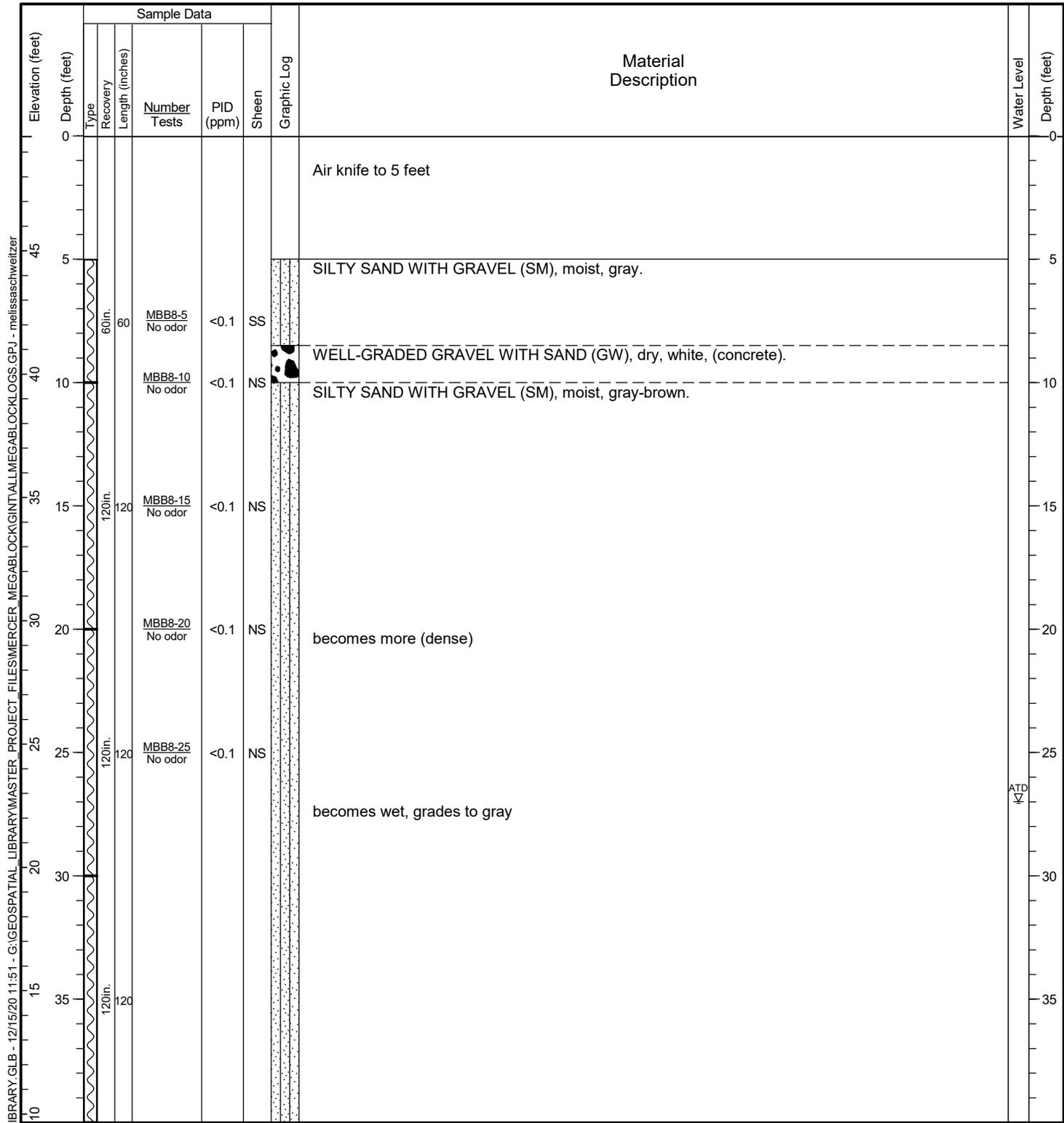
General Notes:

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.

Public Review Draft

Date Started: <u>2/26/20</u>	Date Completed: <u>2/26/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.625096 Long: -122.341099 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>NA</u>
Ground Surface Elevation: <u>49.66 feet (NAVD 88)</u>	Total Depth: <u>40 feet</u>	Depth to Groundwater: <u>27 feet</u>
Comments: <u>Temporary well screen set at a depth of 27 and 32 feet.</u>		



General Notes:

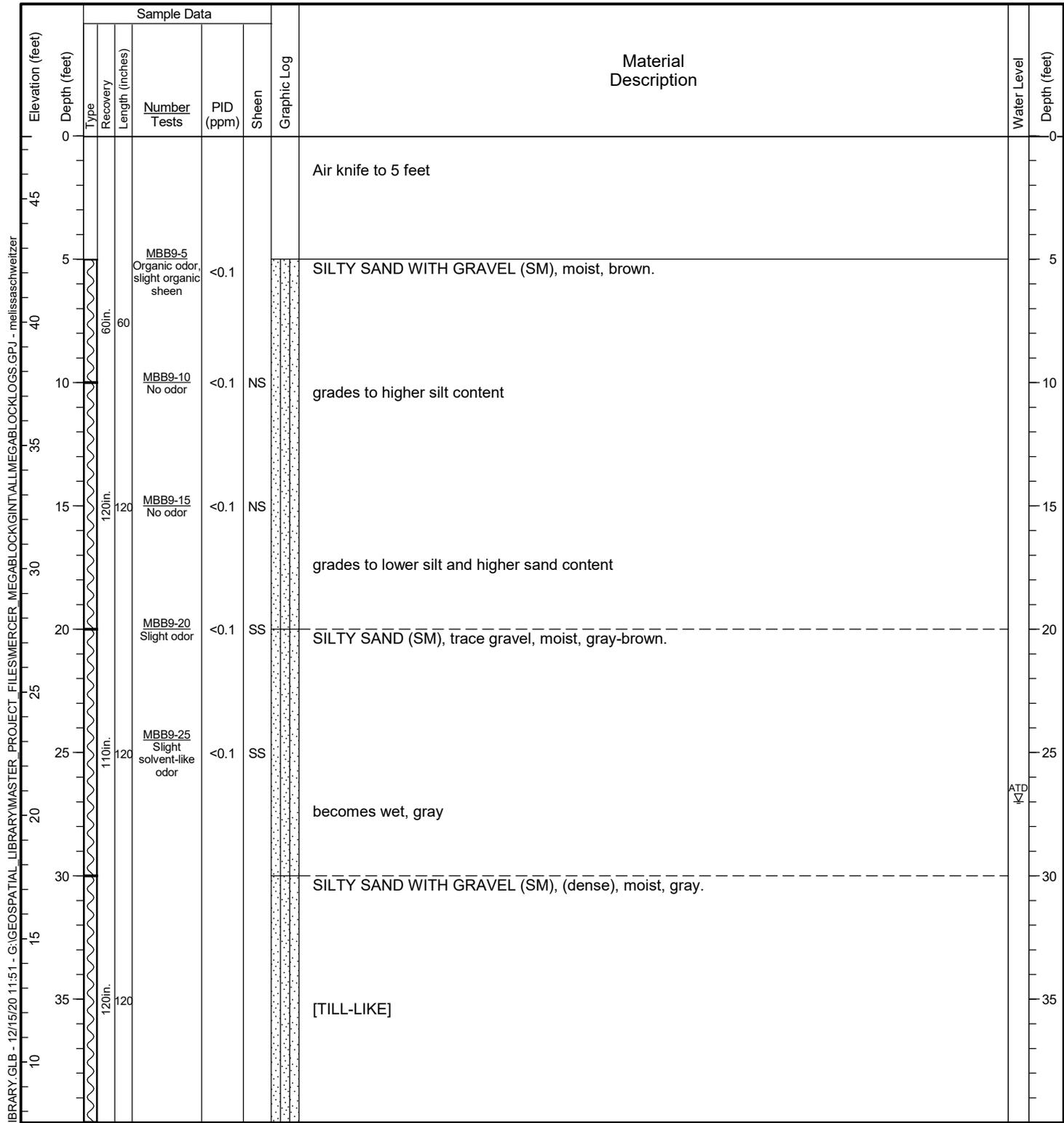
1. Refer to Figure A1-1 for explanation of descriptions and symbols.
2. Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
3. USCS designations are based on visual-manual identification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

Bottom of Borehole at 40.0 feet.

HC PUSH PROBE - F:\GINT\HC LIBRARY.GLB - 12/15/20 11:51 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: <u>2/26/20</u>	Date Completed: <u>2/26/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.625082 Long: -122.340910 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>NA</u>
Ground Surface Elevation: <u>47.55 feet (NAVD 88)</u>	Total Depth: <u>40 feet</u>	Depth to Groundwater: <u>27 feet</u>
Comments: <u>Temporary well screen set at a depth of 27 and 32 feet.</u>		



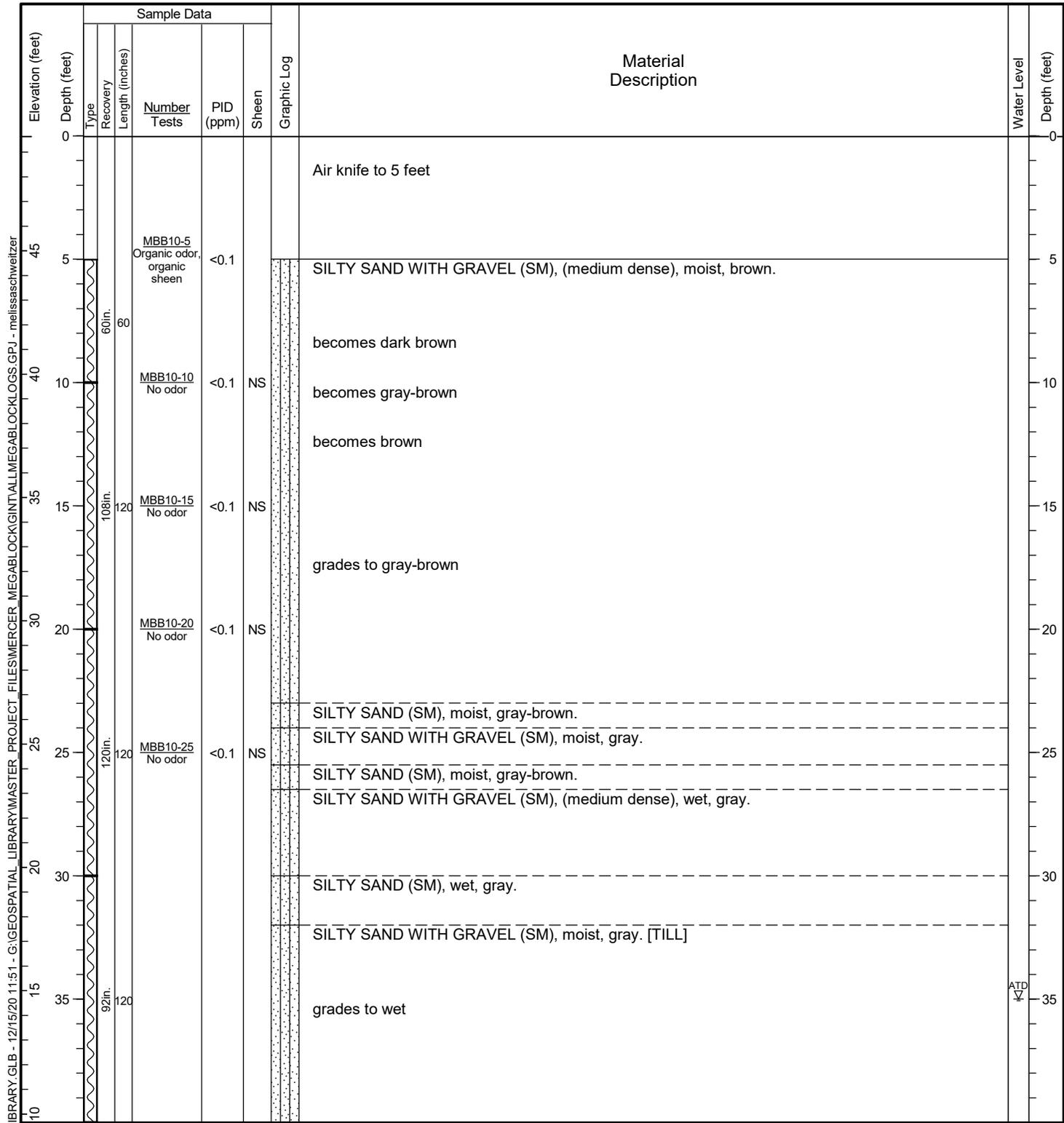
General Notes: Bottom of Borehole at 40.0 feet.

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

HC PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:51 - G:\GEO.SPATIAL LIBRARY\MASTER_PROJECT_FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: <u>2/26/20</u>	Date Completed: <u>2/26/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.625211 Long: -122.340876 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>NA</u>
Ground Surface Elevation: <u>49.66 feet (NAVD 88)</u>	Total Depth: <u>40 feet</u>	Depth to Groundwater: <u>35 feet</u>
Comments: <u>Temporary well screen set at a depth of 35 and 40 feet.</u>		

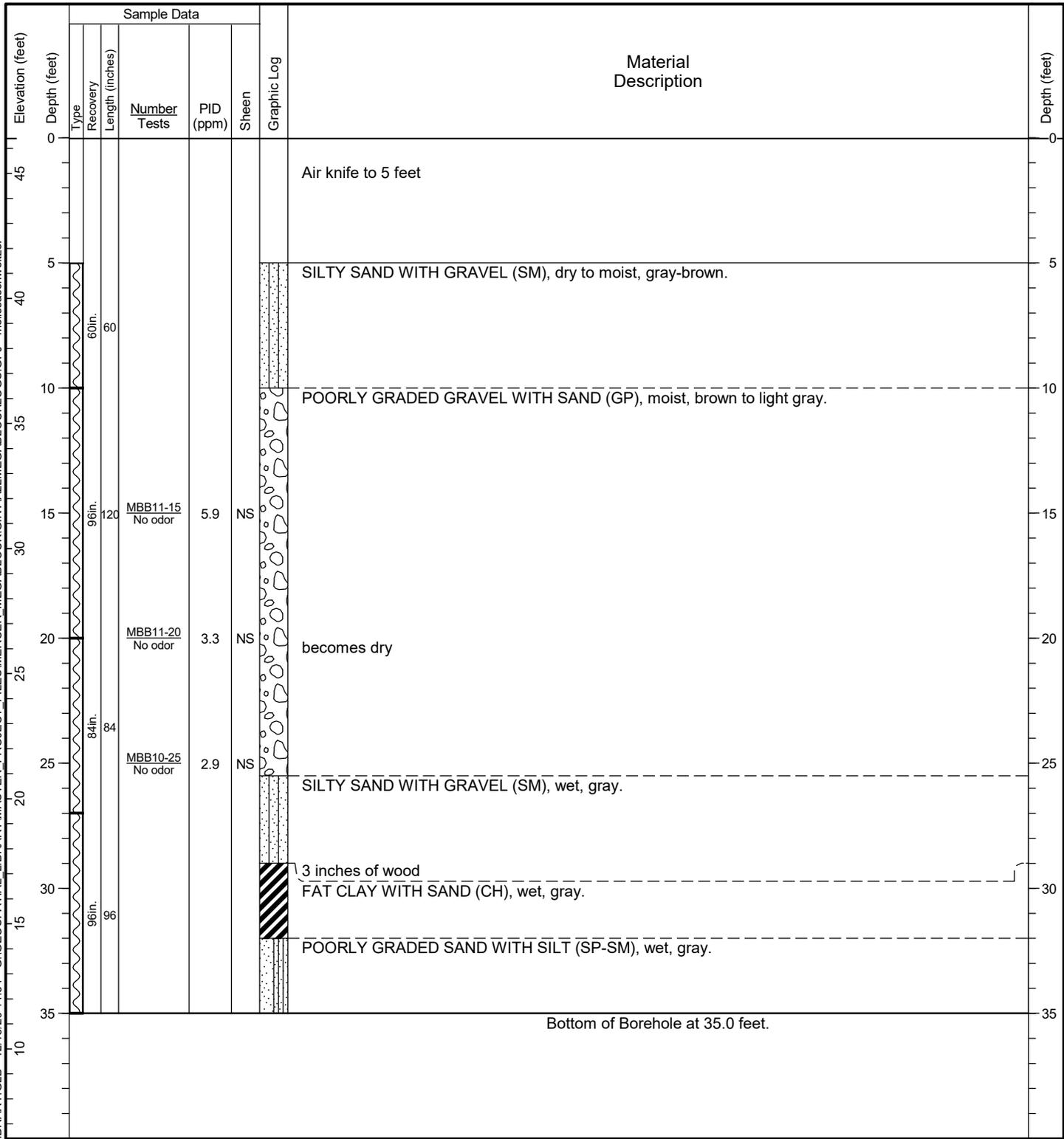


General Notes: Bottom of Borehole at 40.0 feet.

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.

Public Review Draft

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



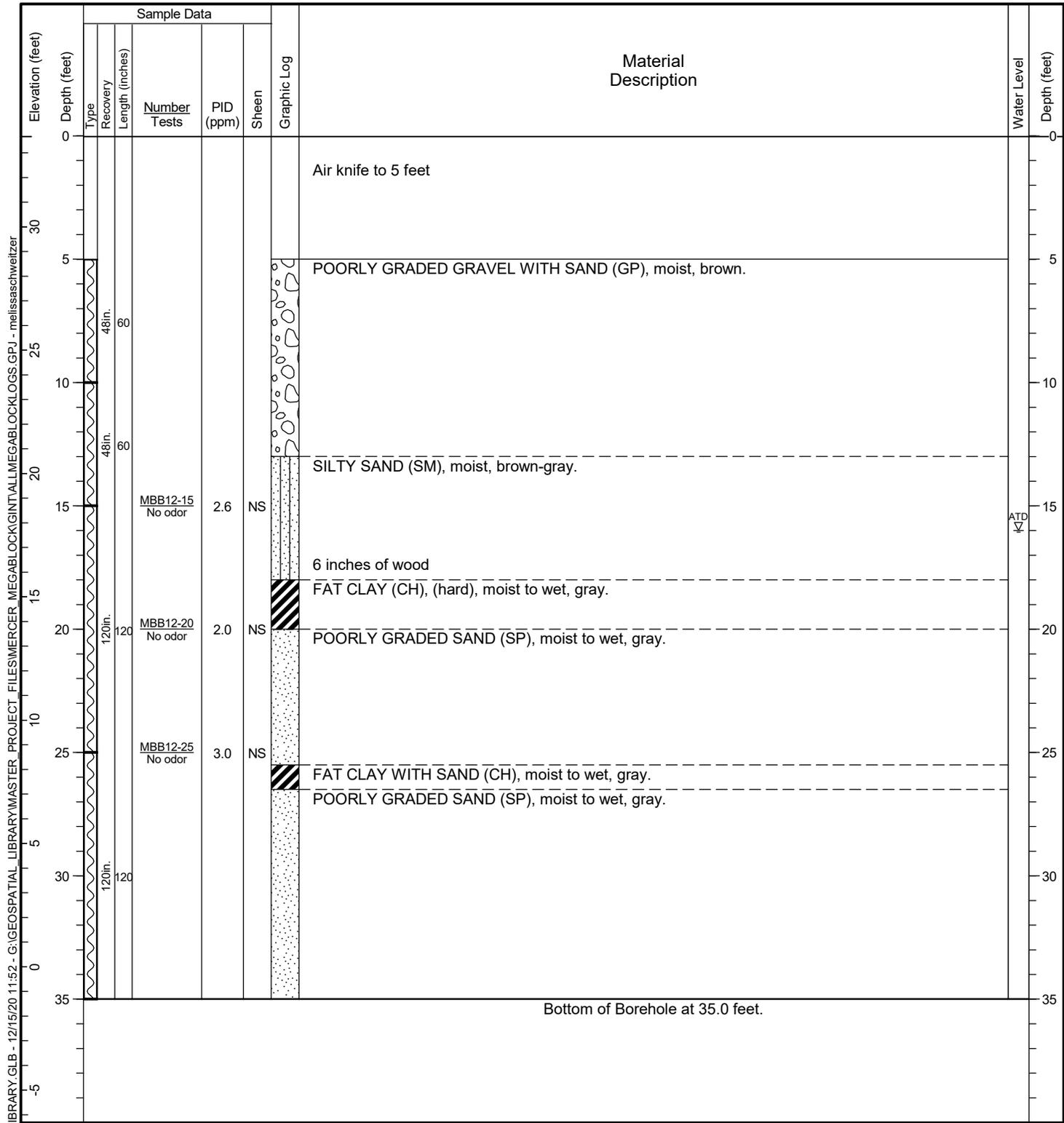
General Notes:

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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:51 - G:\GEO\SPATIAL LIBRARY\MASTER_PROJECT_FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: 3/4/20	Date Completed: 3/4/20	Contractor/Crew: Cascade Drilling, L.P.
Logged by: A. Nakahara	Checked by: M. Goodman	Rig Model/Type: TSi 150CC
Location: Lat: 47.625217 Long: -122.339979 (WGS 84)	Hole Diameter: 6 inches	Casing Diameter: NA
Ground Surface Elevation: 33.69 feet (NAVD 88)	Total Depth: 35 feet	Depth to Groundwater: 16 feet
Comments: Temporary well screen set at a depth of 27 and 32 feet.		

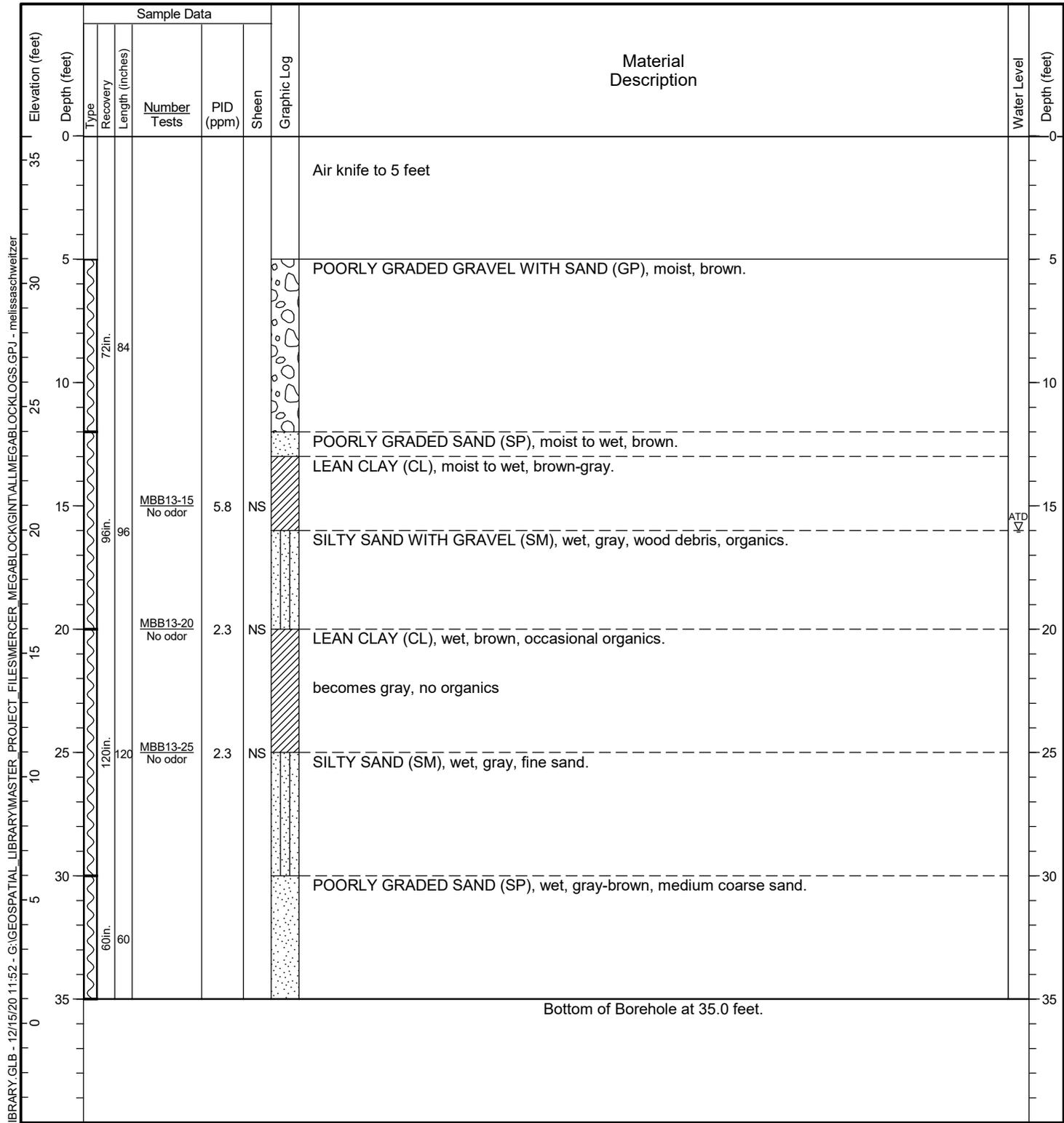


General Notes:

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.

Public Review Draft

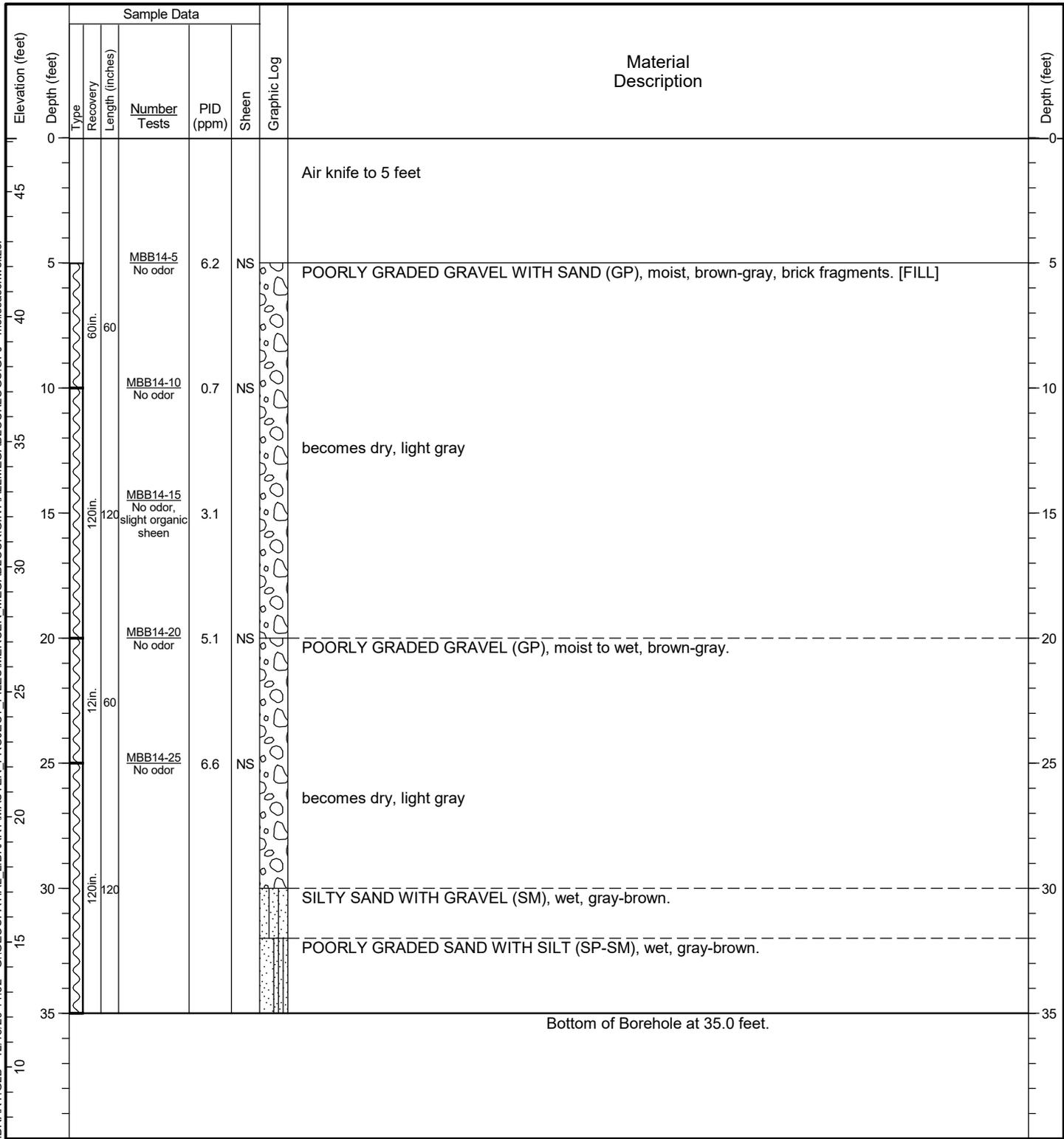
Date Started: 3/4/20	Date Completed: 3/4/20	Contractor/Crew: Cascade Drilling, L.P.
Logged by: A. Nakahara	Checked by: M. Goodman	Rig Model/Type: TSi 150CC
Location: Lat: 47.625147 Long: -122.339952 (WGS 84)	Hole Diameter: 6 inches	Casing Diameter: NA
Ground Surface Elevation: 35.98 feet (NAVD 88)	Total Depth: 35 feet	Depth to Groundwater: 16 feet
Comments: Temporary well screen set at a depth of 30 and 35 feet.		



General Notes:

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

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



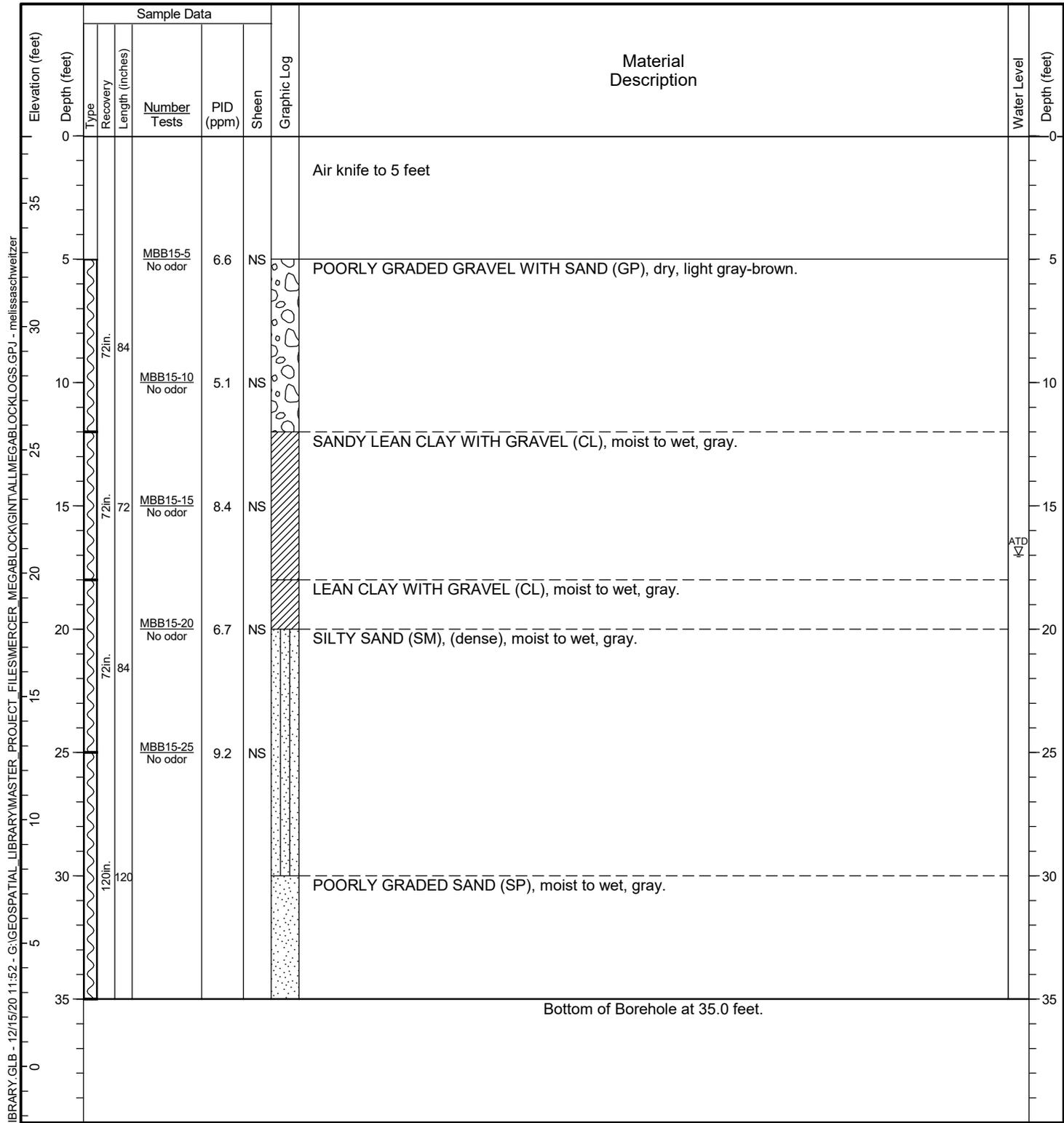
General Notes:

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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:52 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

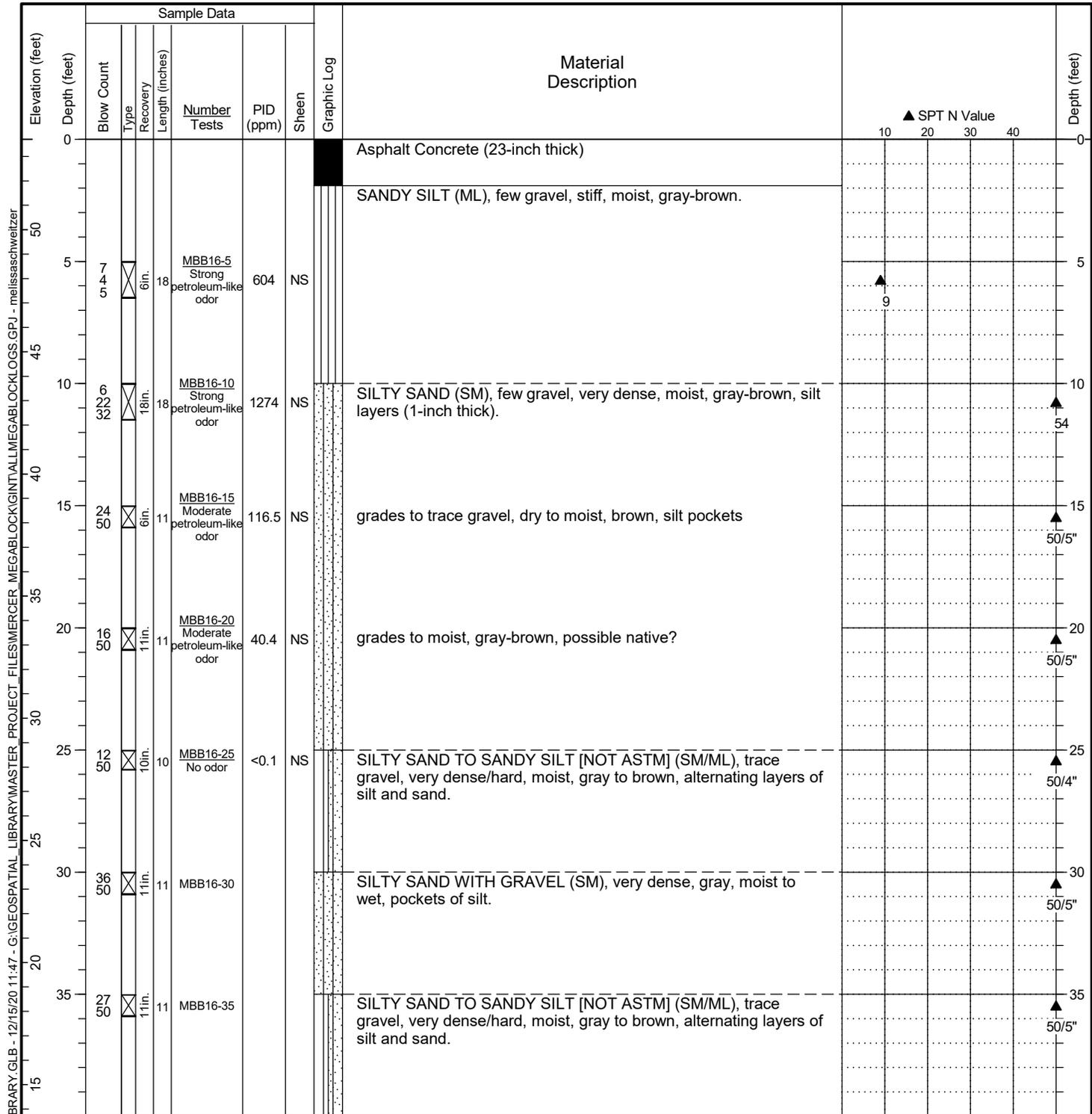
Date Started: 3/4/20	Date Completed: 3/4/20	Contractor/Crew: Cascade Drilling, L.P.
Logged by: A. Nakahara	Checked by: M. Goodman	Rig Model/Type: TSi 150CC
Location: Lat: 47.625056 Long: -122.339953 (WGS 84)	Hole Diameter: 6 inches	Casing Diameter: NA
Ground Surface Elevation: 37.73 feet (NAVD 88)	Total Depth: 35 feet	Depth to Groundwater: 17 feet
Comments: Temporary well screen set at a depth of 30 and 35 feet.		



General Notes:

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

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

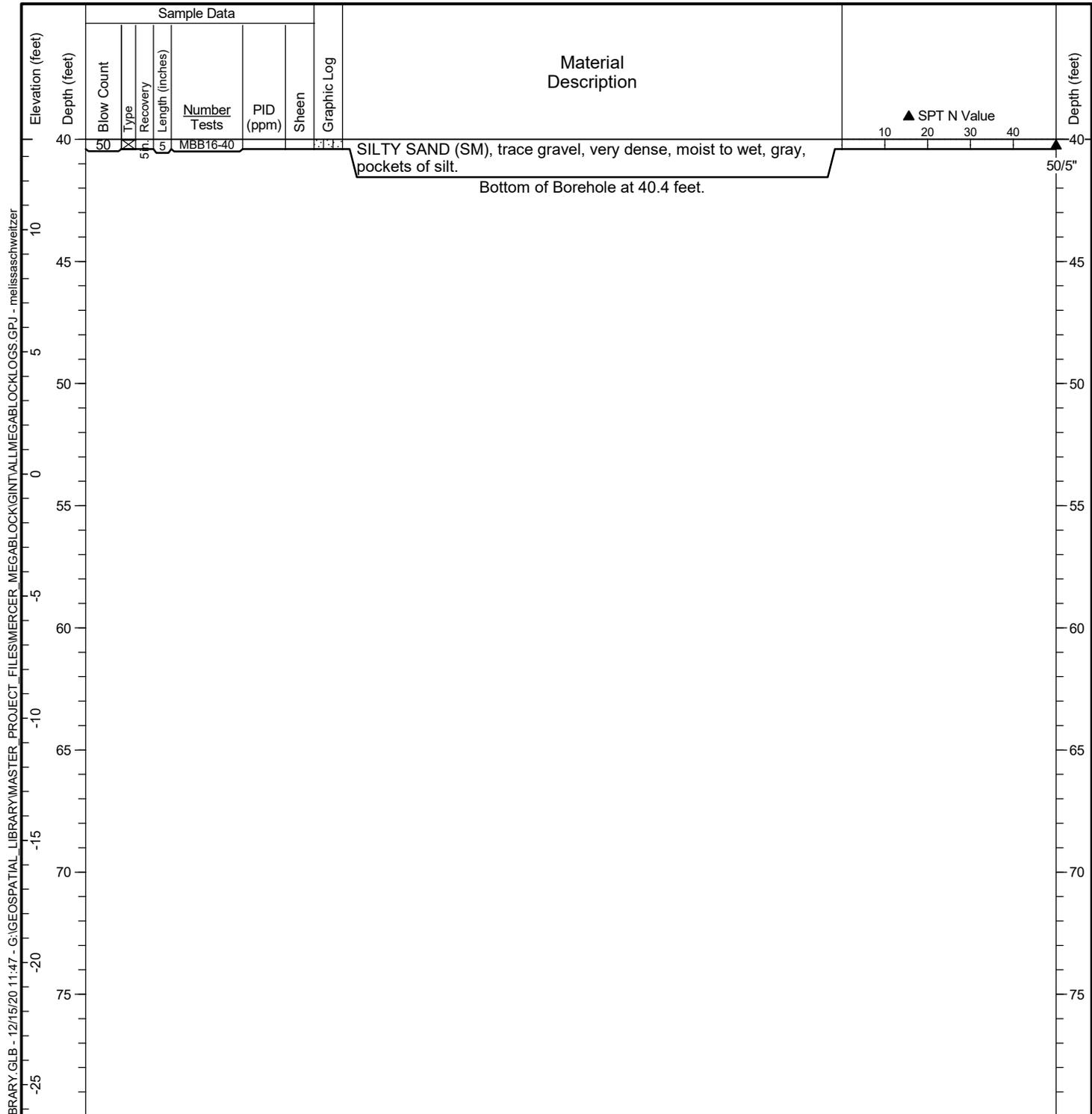


General Notes:

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

Public Review Draft

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

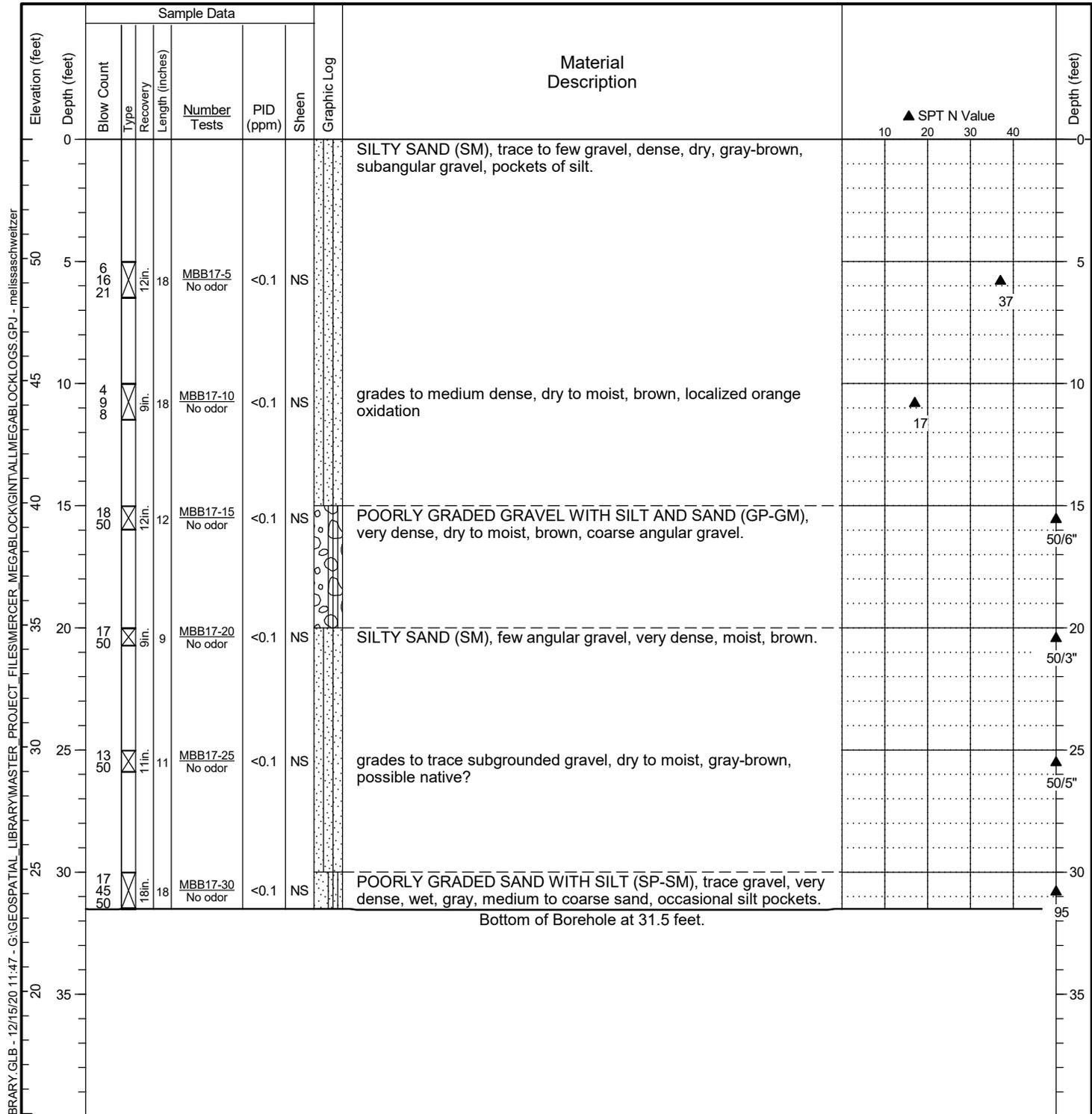


General Notes:

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 - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:47 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCKLOGS.GPJ - melissaschweitzer

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

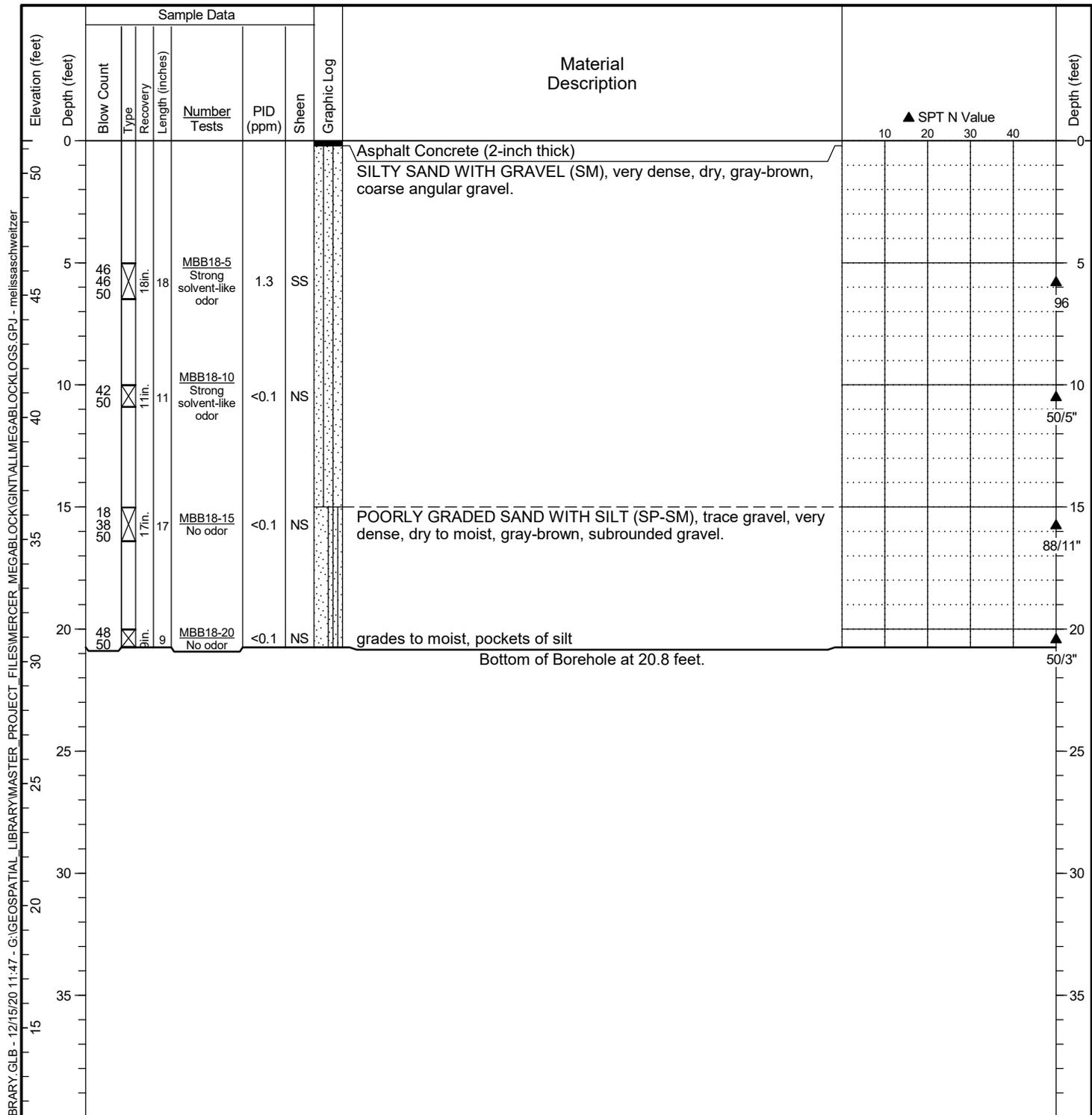


General Notes:

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

Public Review Draft

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

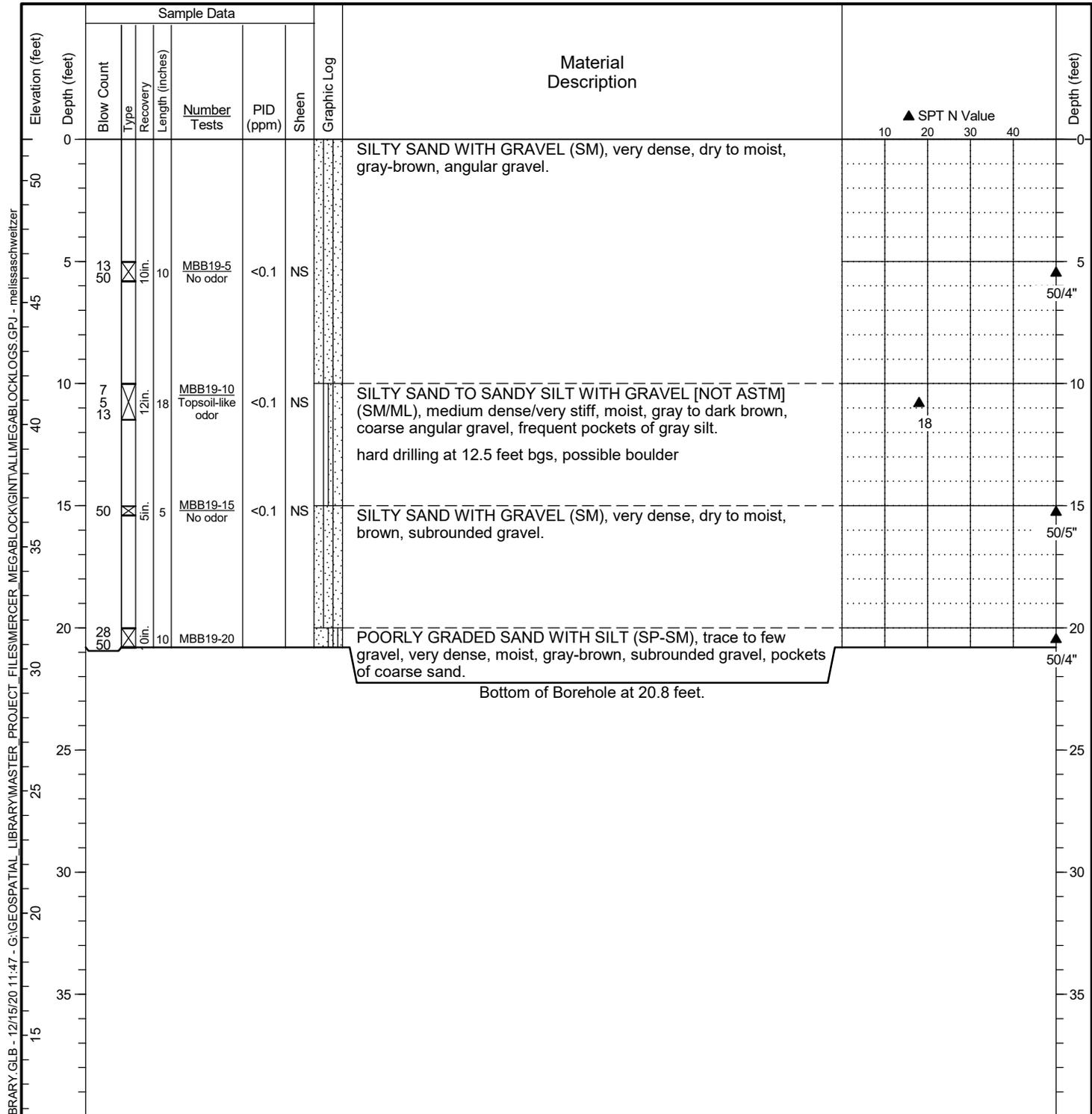


General Notes:

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.

Public Review Draft

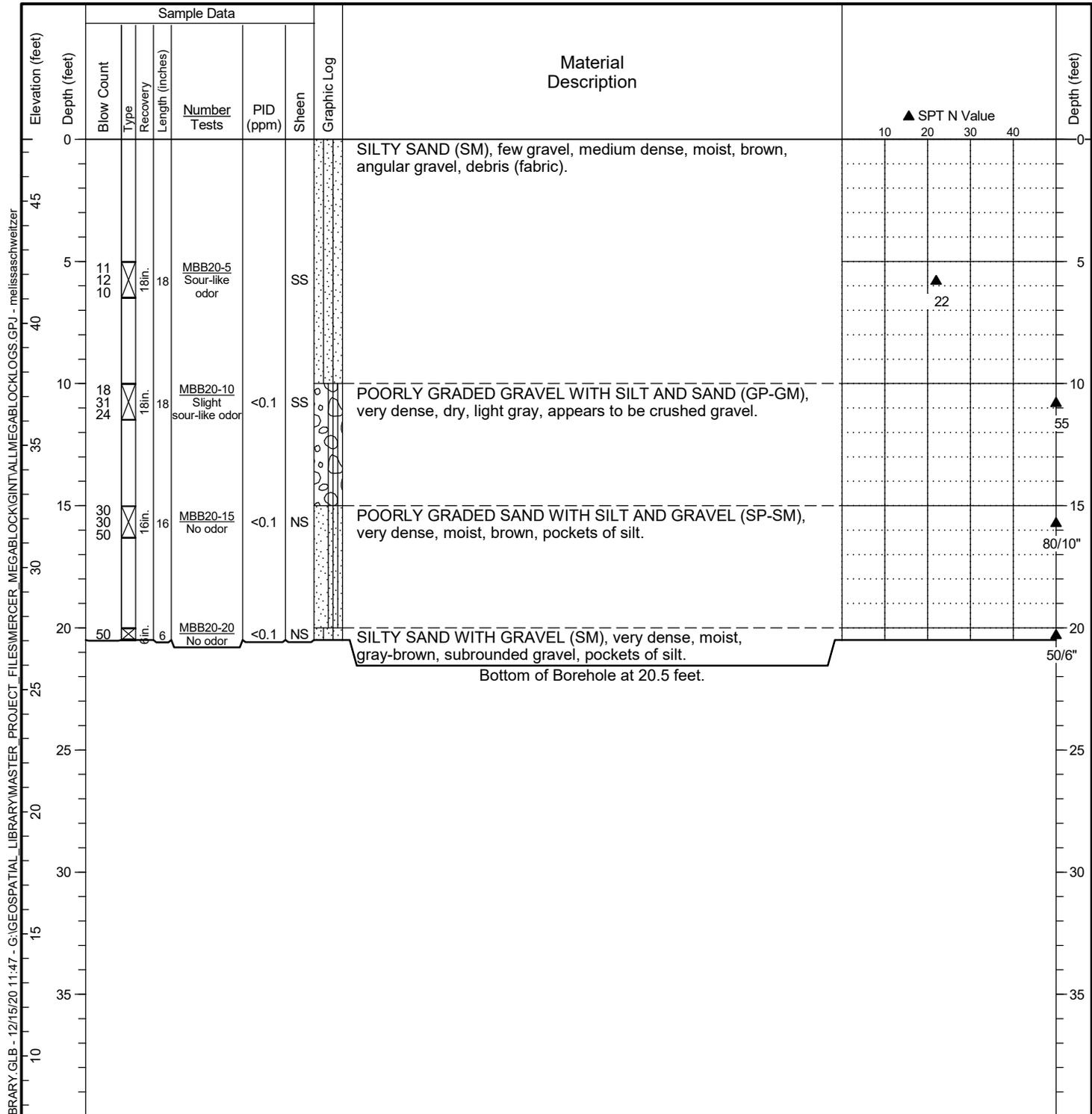
Date Started: <u>9/1/20</u>	Date Completed: <u>9/1/20</u>	Drilling Contractor/Crew: <u>Holt Services, Inc. / Mitch and Austin</u>
Logged by: <u>C. McCabe</u>	Checked by: _____	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.624922 Long: -122.341258 (WGS 84)</u>		Rig Model/Type: <u>Mobile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



General Notes:

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

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

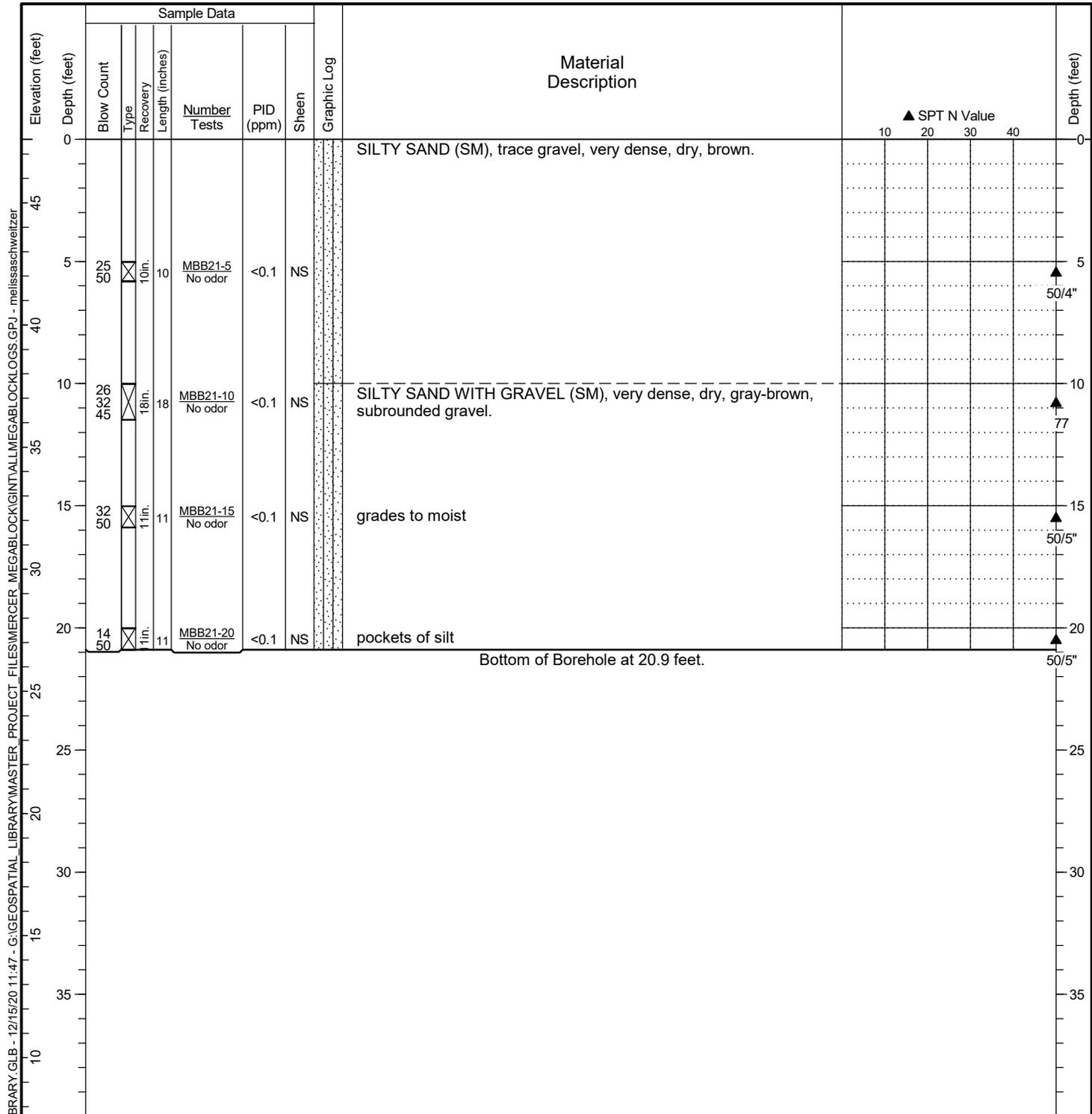


General Notes:

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

Public Review Draft

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

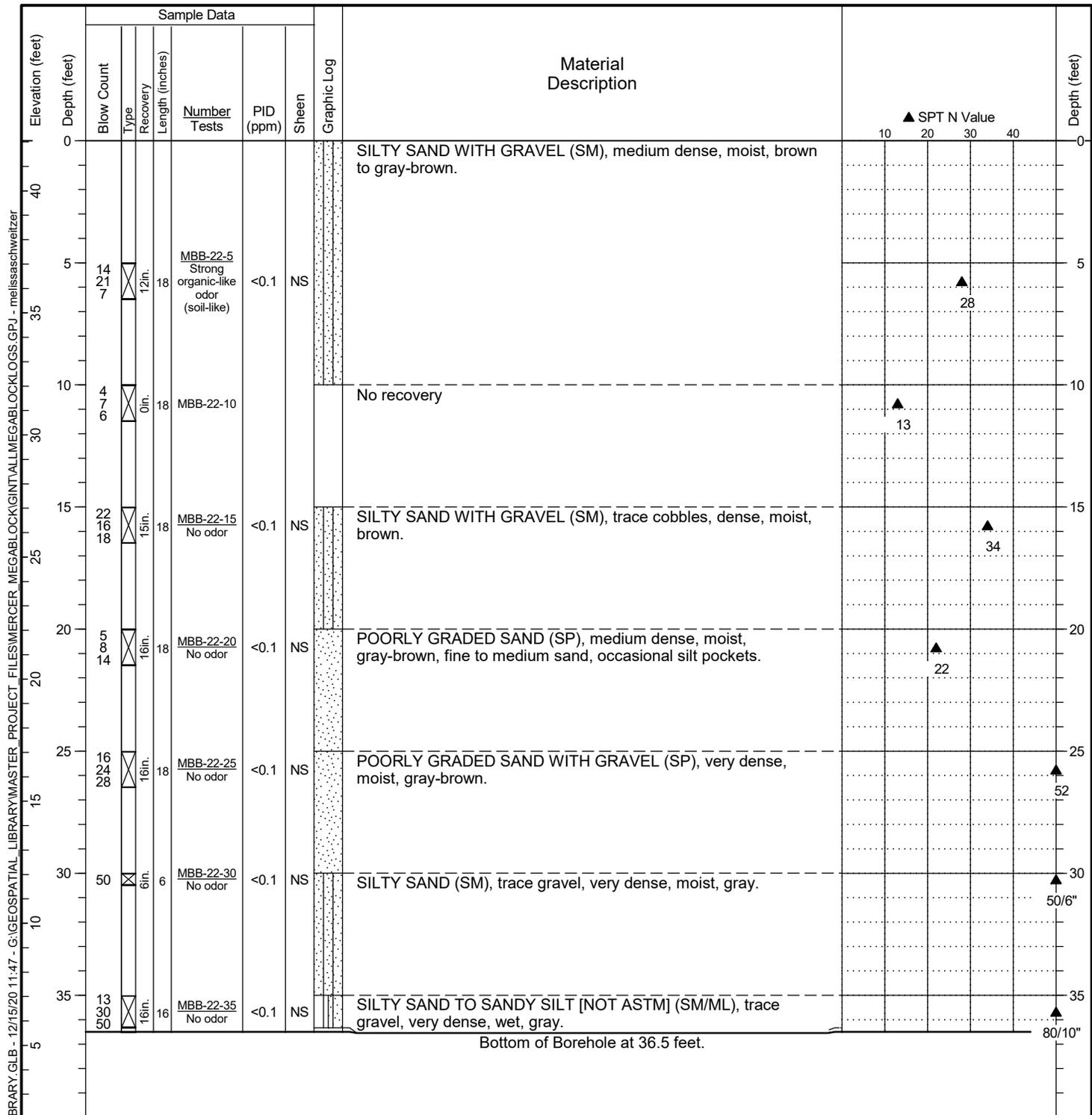


General Notes:

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.

Public Review Draft

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



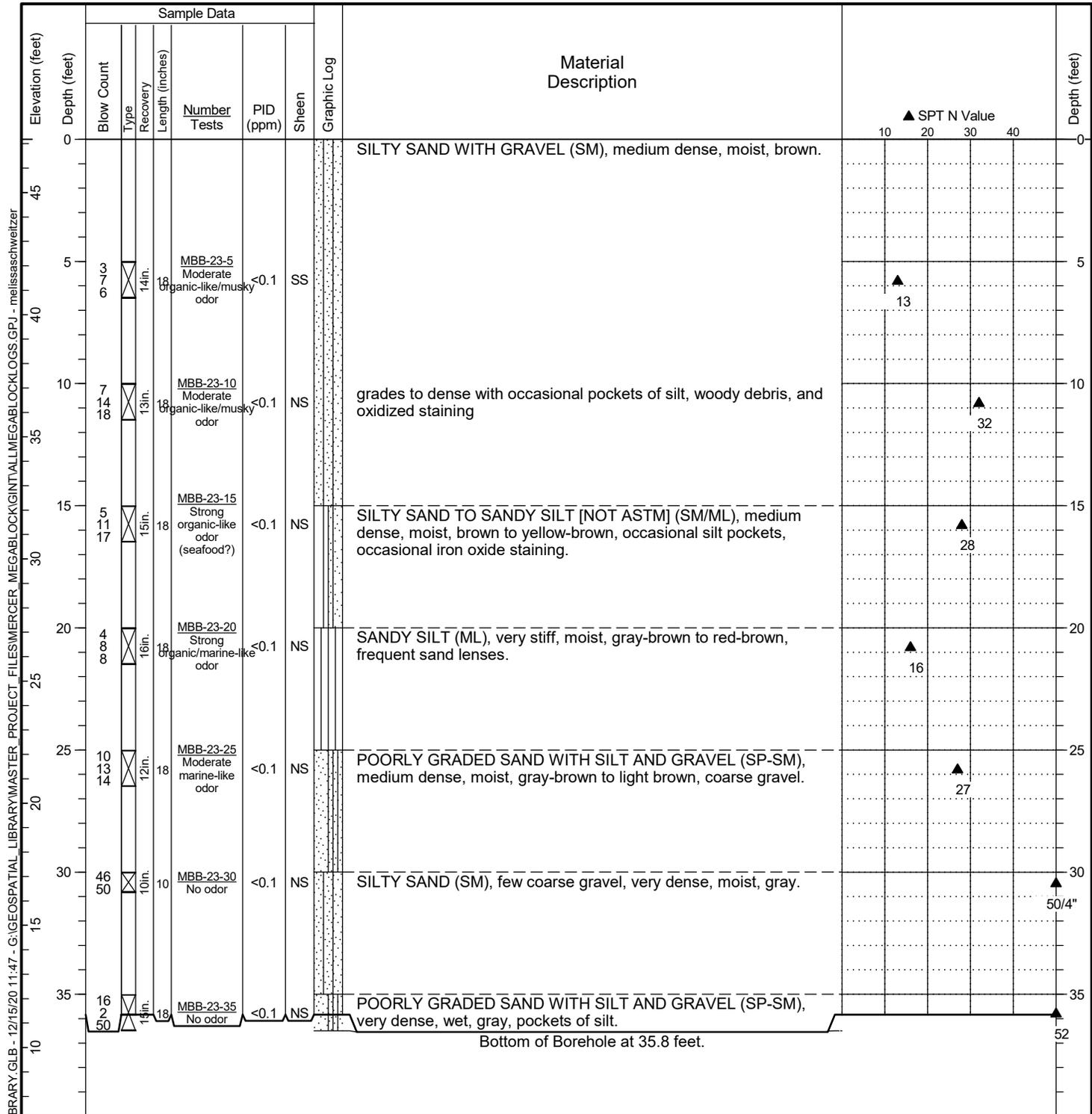
General Notes:

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

HC BORING LOG - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:47 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCK LOGS.GPJ - melissaschweitzer

Public Review Draft

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

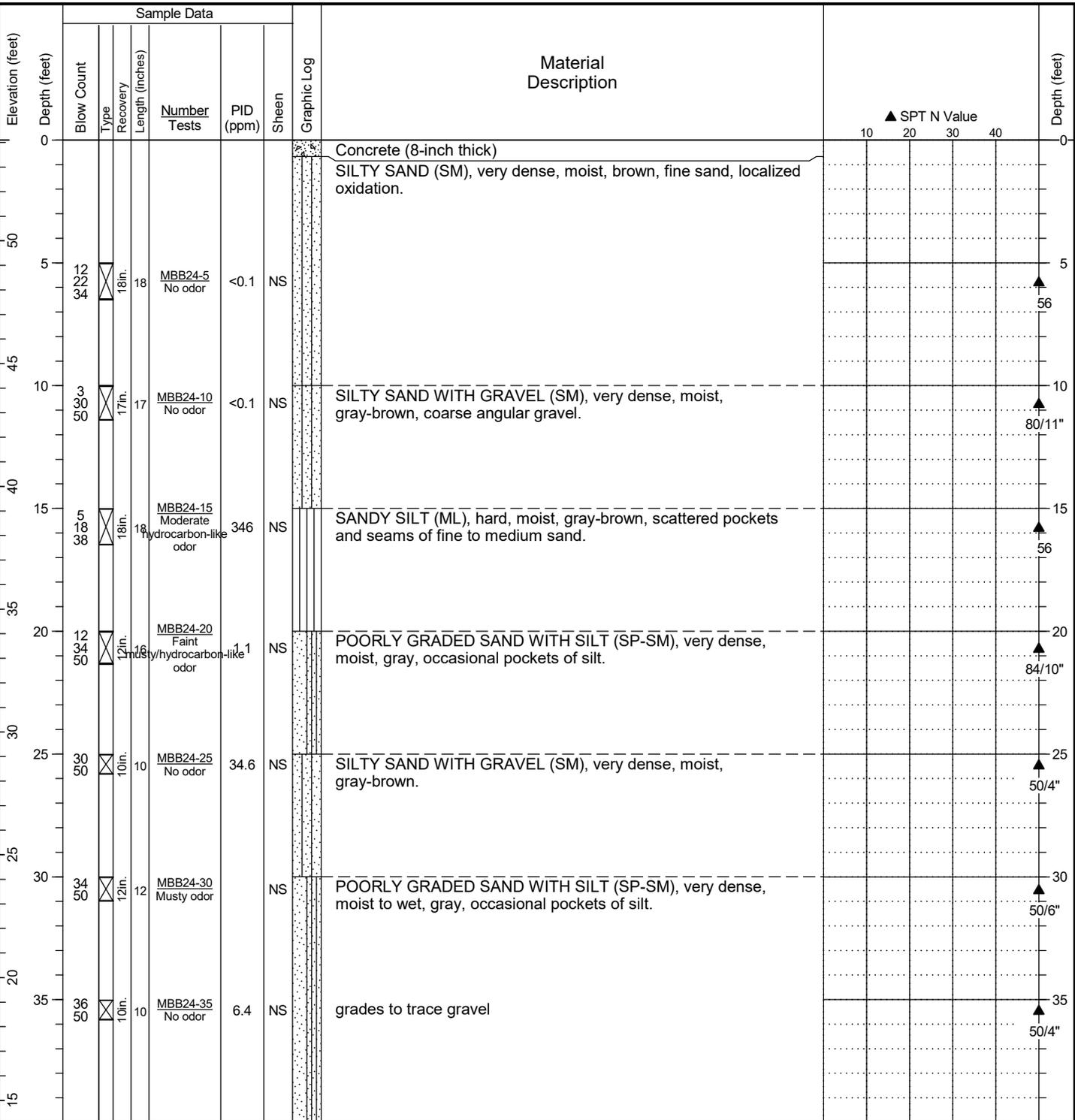


General Notes:

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

Public Review Draft

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



General Notes:

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

HC BORING LOG - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:47 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

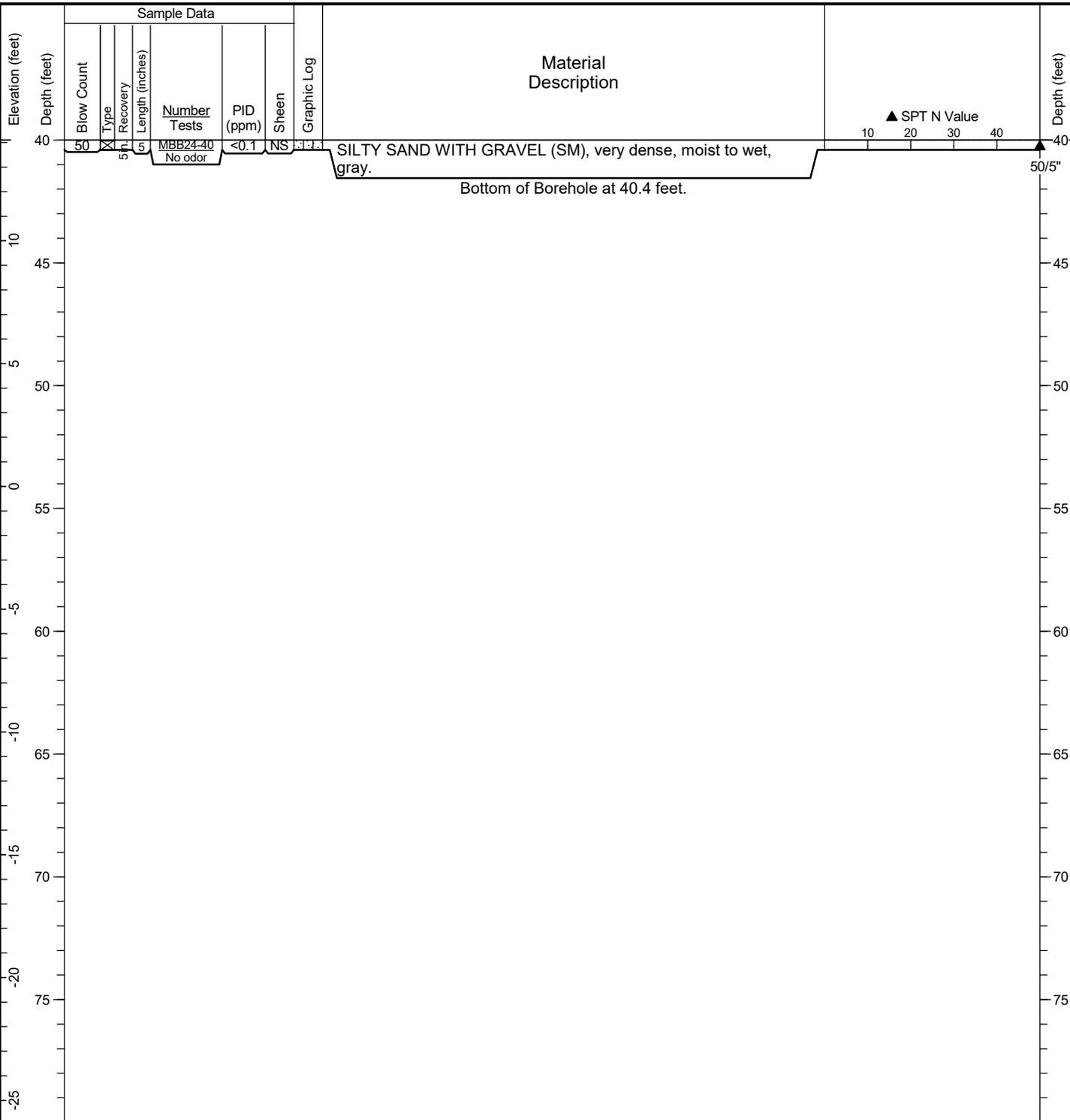


Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
MBB-24

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

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



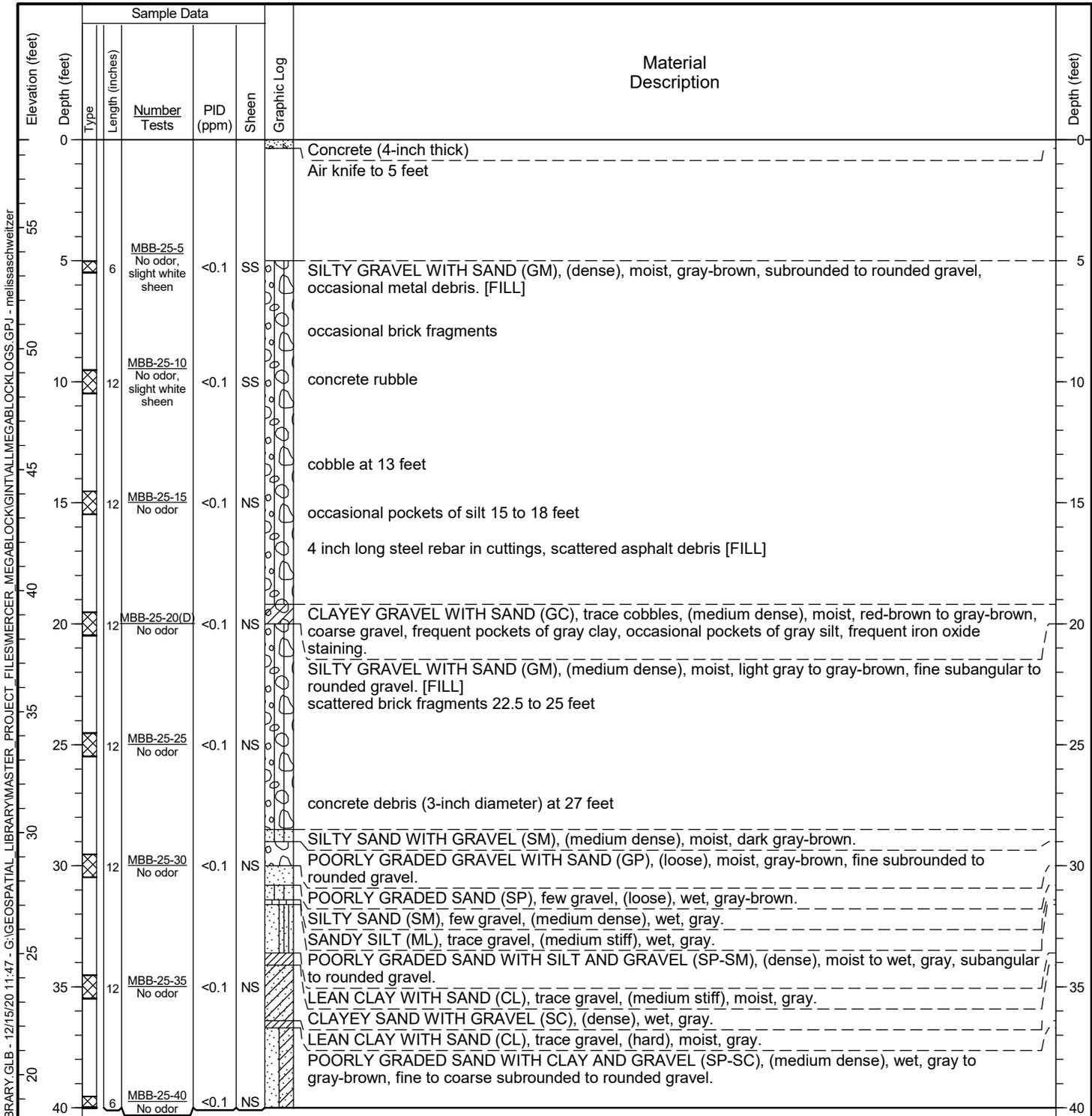
General Notes:

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 - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:47 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCK LOGS.GPJ - melissaschweitzer

Public Review Draft

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



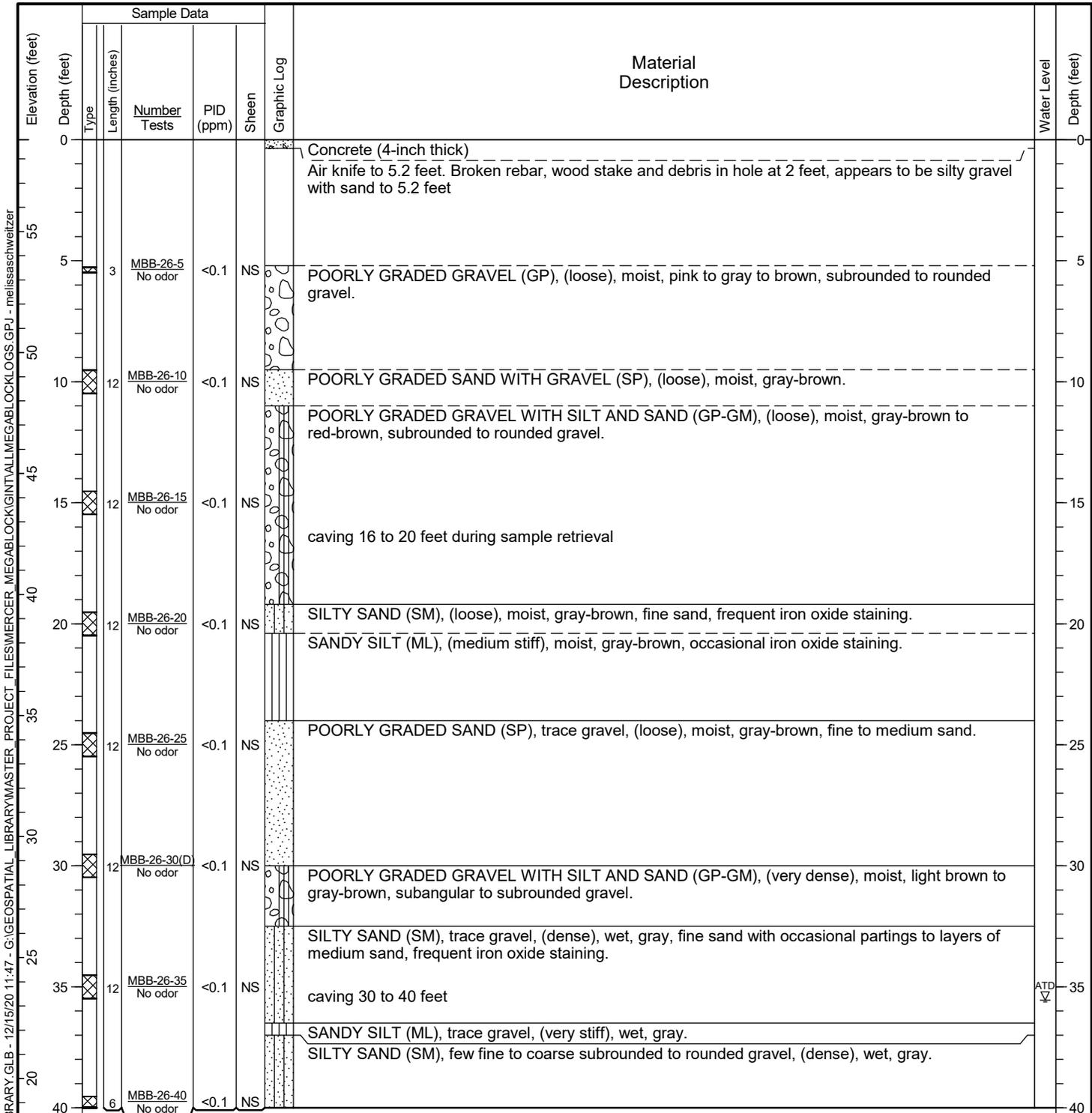
General Notes:

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

Bottom of Borehole at 40.0 feet.

Public Review Draft

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



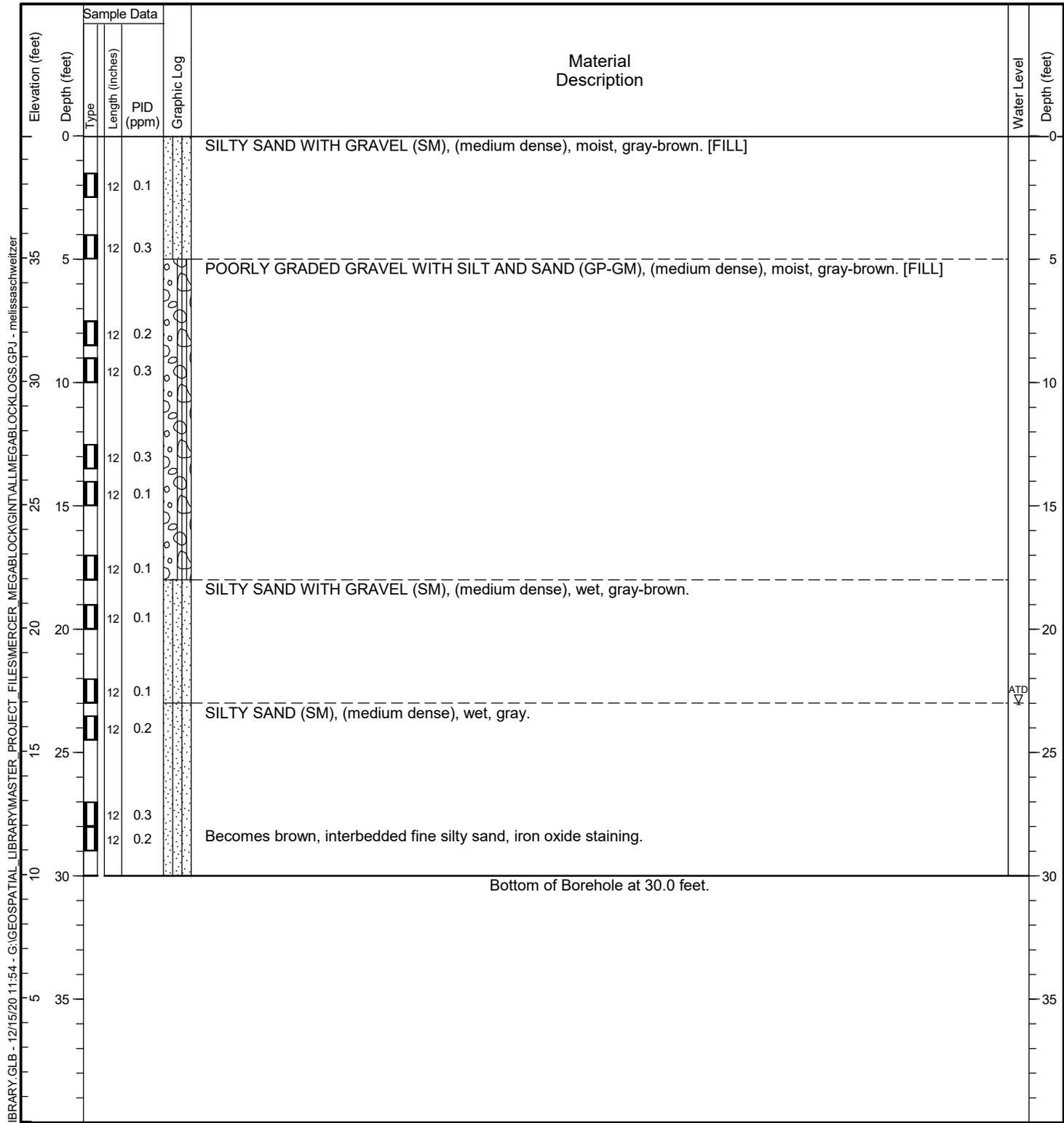
General Notes:

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

Bottom of Borehole at 40.0 feet.

Public Review Draft

Date Started: <u>3/6/19</u>	Date Completed: <u>3/6/19</u>	Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. McDonald/B. Dozier</u>	Checked by: <u>C. Kroskie</u>	Rig Model/Type: _____
Location: <u>Lat: 47.625270 Long: -122.340358 ()</u>	Hole Diameter: <u>2 inches</u>	Casing Diameter: <u>NA</u>
Ground Surface Elevation: <u>39.95 feet (NAVD88)</u>	Total Depth: <u>30 feet</u>	Depth to Groundwater: <u>23 feet</u>
Comments: _____		



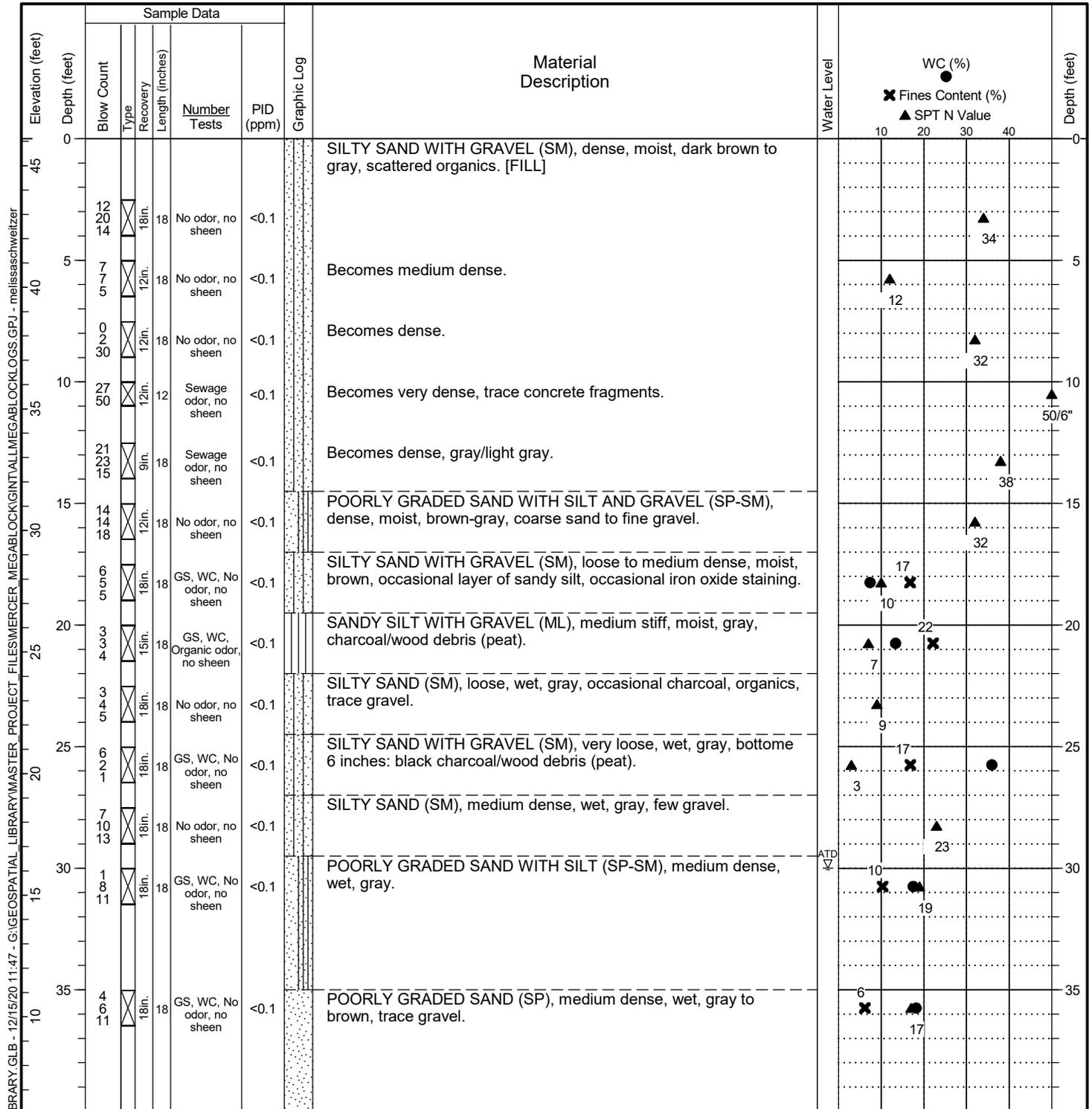
General Notes:

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 PUSH PROBE - F:\GINT\HC LIBRARY.GLB - 12/15/20 11:54 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: 3/4/19	Date Completed: 3/5/19	Drilling Contractor/Crew: Holt Services, Inc.
Logged by: C. McCabe	Checked by: C. Kroskie	Drilling Method: Hollow Stem Auger
Location: Lat: 47.625154 Long: -122.340374		Rig Model/Type: Track Rig 115 / HSA
Ground Surface Elevation: 46.11 feet (NAVD88)		Hammer Type: Auto-hammer
Comments:		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches Casing Diameter: NA
		Total Depth: 81 feet Depth to Groundwater: 30 feet

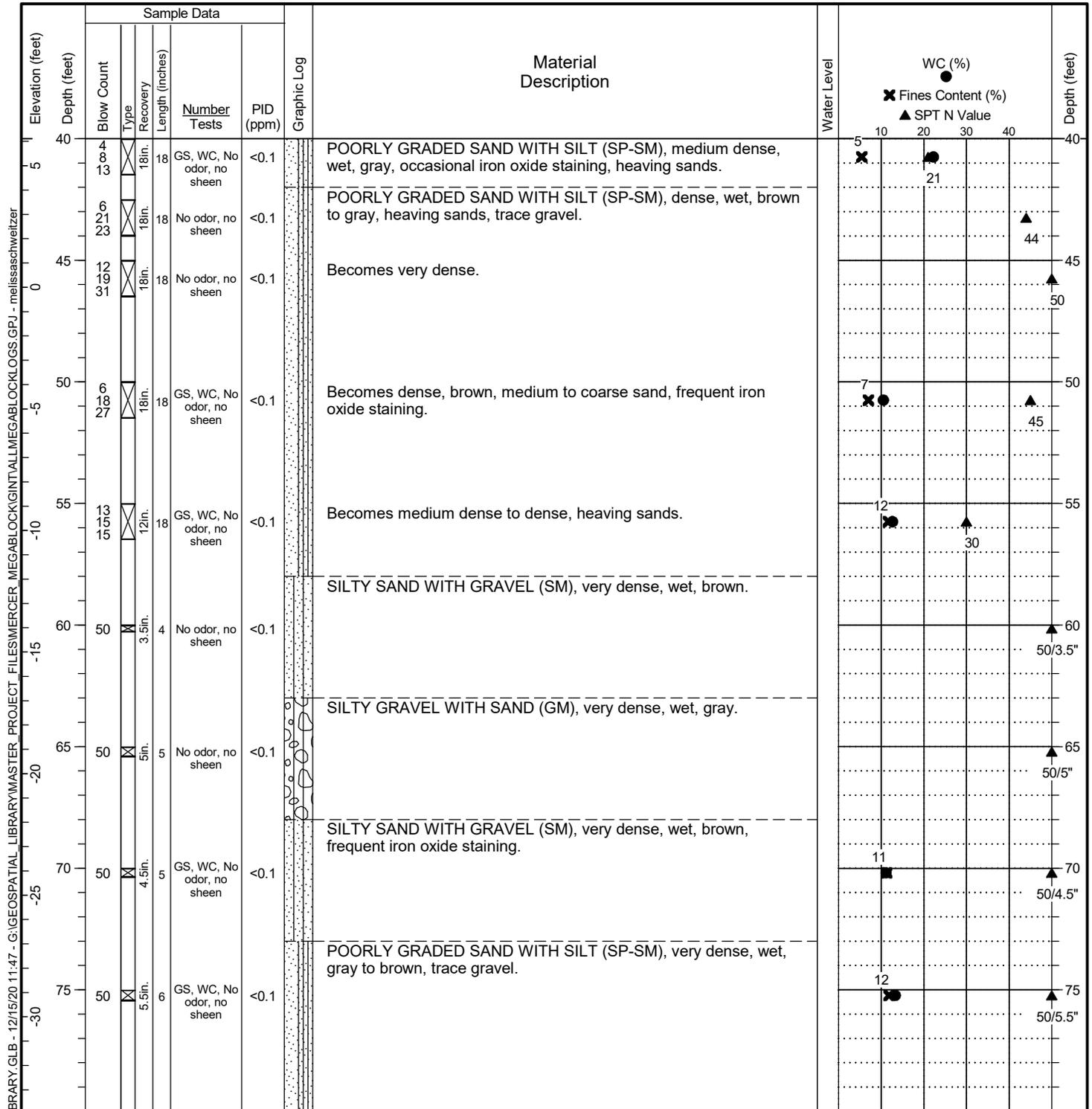


General Notes:

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

Public Review Draft

Date Started: 3/4/19	Date Completed: 3/5/19	Drilling Contractor/Crew: Holt Services, Inc.
Logged by: C. McCabe	Checked by: C. Kroskie	Drilling Method: Hollow Stem Auger
Location: Lat: 47.625154 Long: -122.340374		Rig Model/Type: Track Rig 115 / HSA
Ground Surface Elevation: 46.11 feet (NAVD88)		Hammer Type: Auto-hammer
Comments:		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches Casing Diameter: NA
		Total Depth: 81 feet Depth to Groundwater: 30 feet



General Notes:

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



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

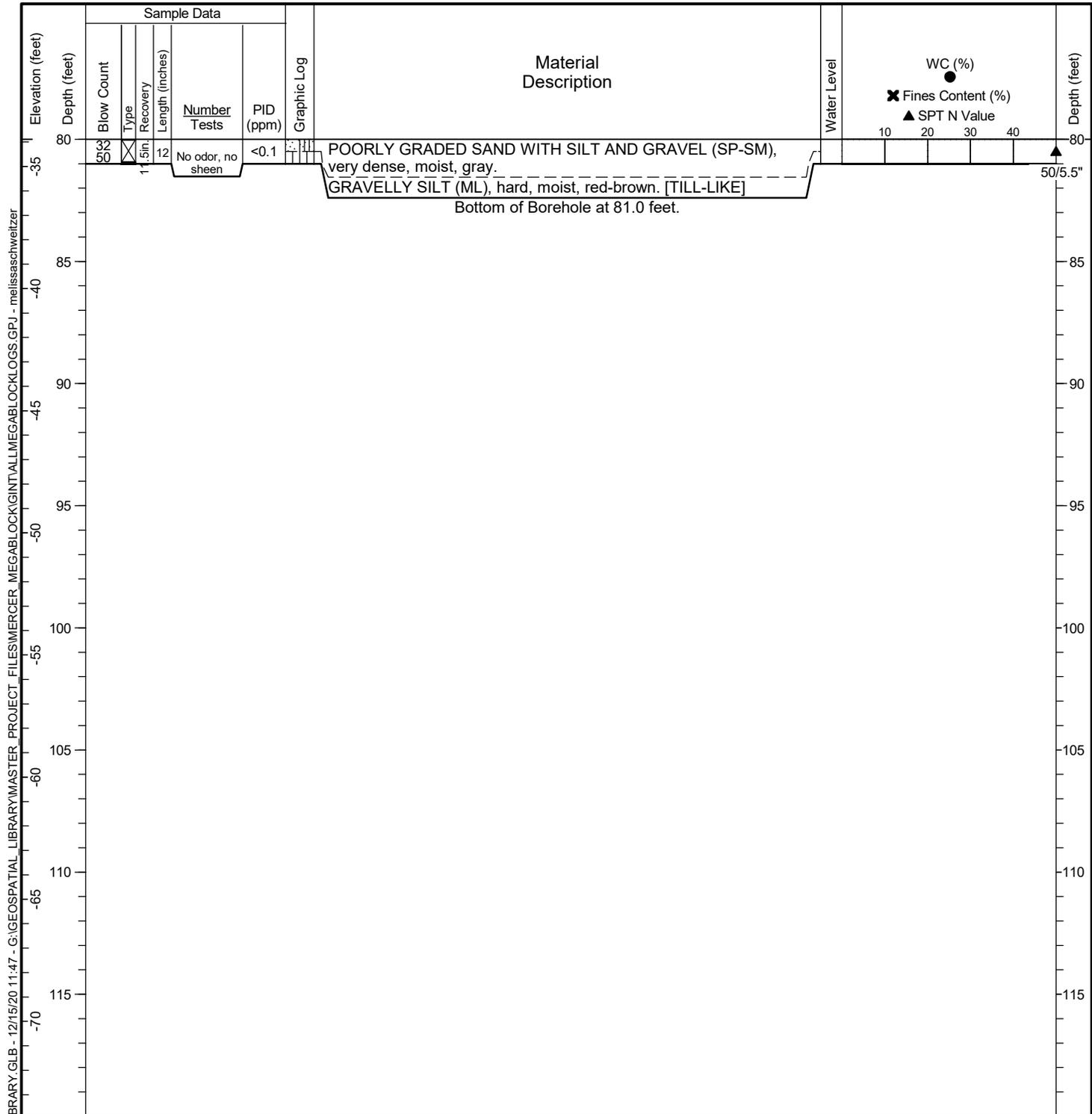
Boring Log
MBGW-2

Figure **A1-29**
 Sheet **2 of 3**

HC BORING LOG - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:47 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: <u>3/4/19</u>	Date Completed: <u>3/5/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>C. McCabe</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.625154 Long: -122.340374</u>	Rig Model/Type: <u>Track Rig 115 / HSA</u>	
Ground Surface Elevation: <u>46.11 feet (NAVD88)</u>	Hammer Type: <u>Auto-hammer</u>	
Comments: _____	Hammer Weight (pounds): <u>140</u>	Hammer Drop Height (inches): <u>30</u>
_____	Measured Hammer Efficiency (%): <u>Not Available</u>	
_____	Hole Diameter: <u>2 inches</u>	Casing Diameter: <u>NA</u>
_____	Total Depth: <u>81 feet</u>	Depth to Groundwater: <u>30 feet</u>

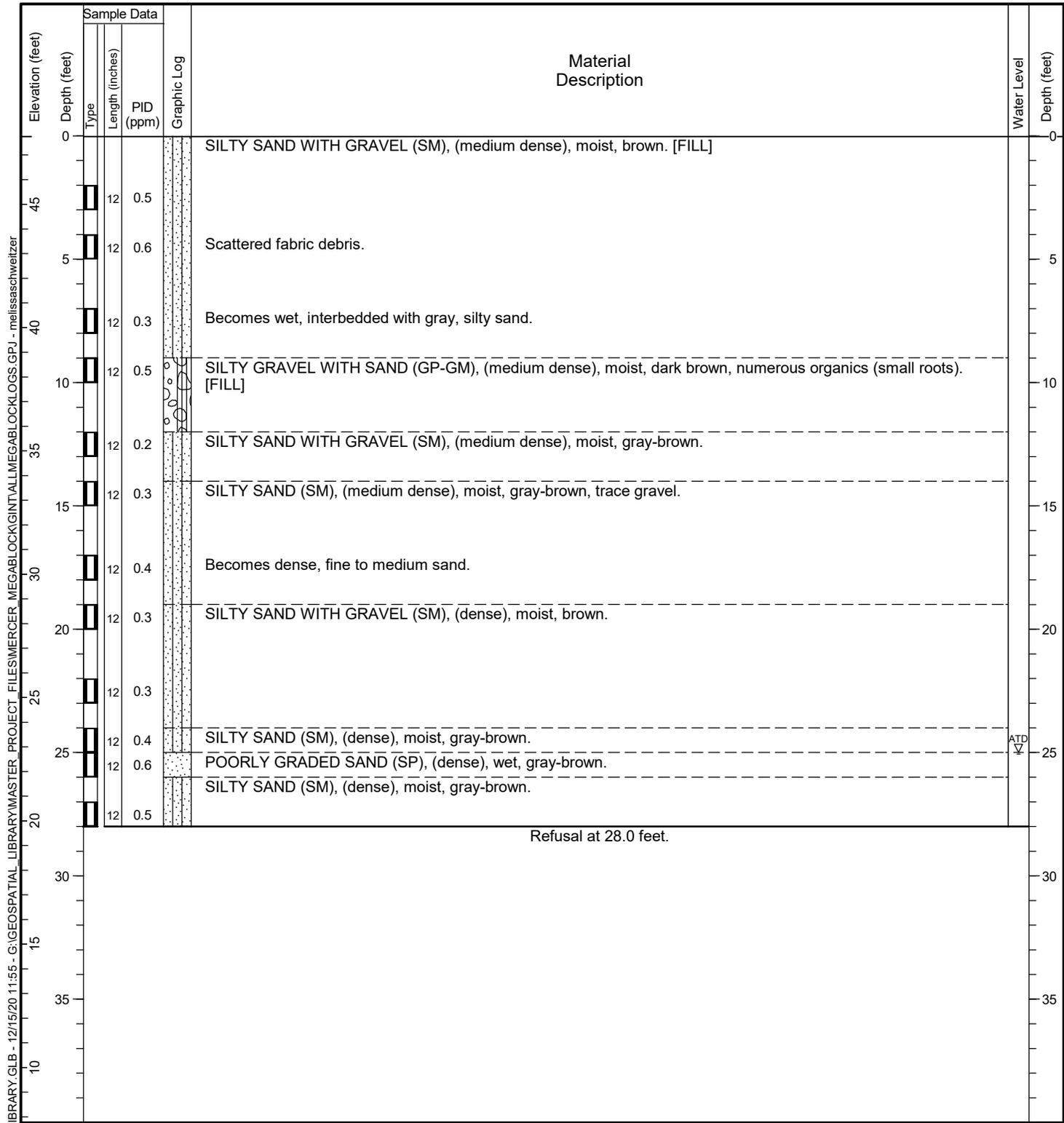


General Notes:

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.

Public Review Draft

Date Started: <u>3/7/19</u>	Date Completed: <u>3/7/19</u>	Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. McDonald/B. Dozier</u>	Checked by: <u>C. Kroskie</u>	Rig Model/Type: <u>GeoProbe / PP</u>
Location: <u>Lat: 47.625180 Long: -122.340944 ()</u>	Hole Diameter: <u>2 inches</u>	Casing Diameter: <u>NA</u>
Ground Surface Elevation: <u>47.77 feet (NAVD88)</u>	Total Depth: <u>28 feet</u>	Depth to Groundwater: <u>25 feet</u>
Comments: _____		

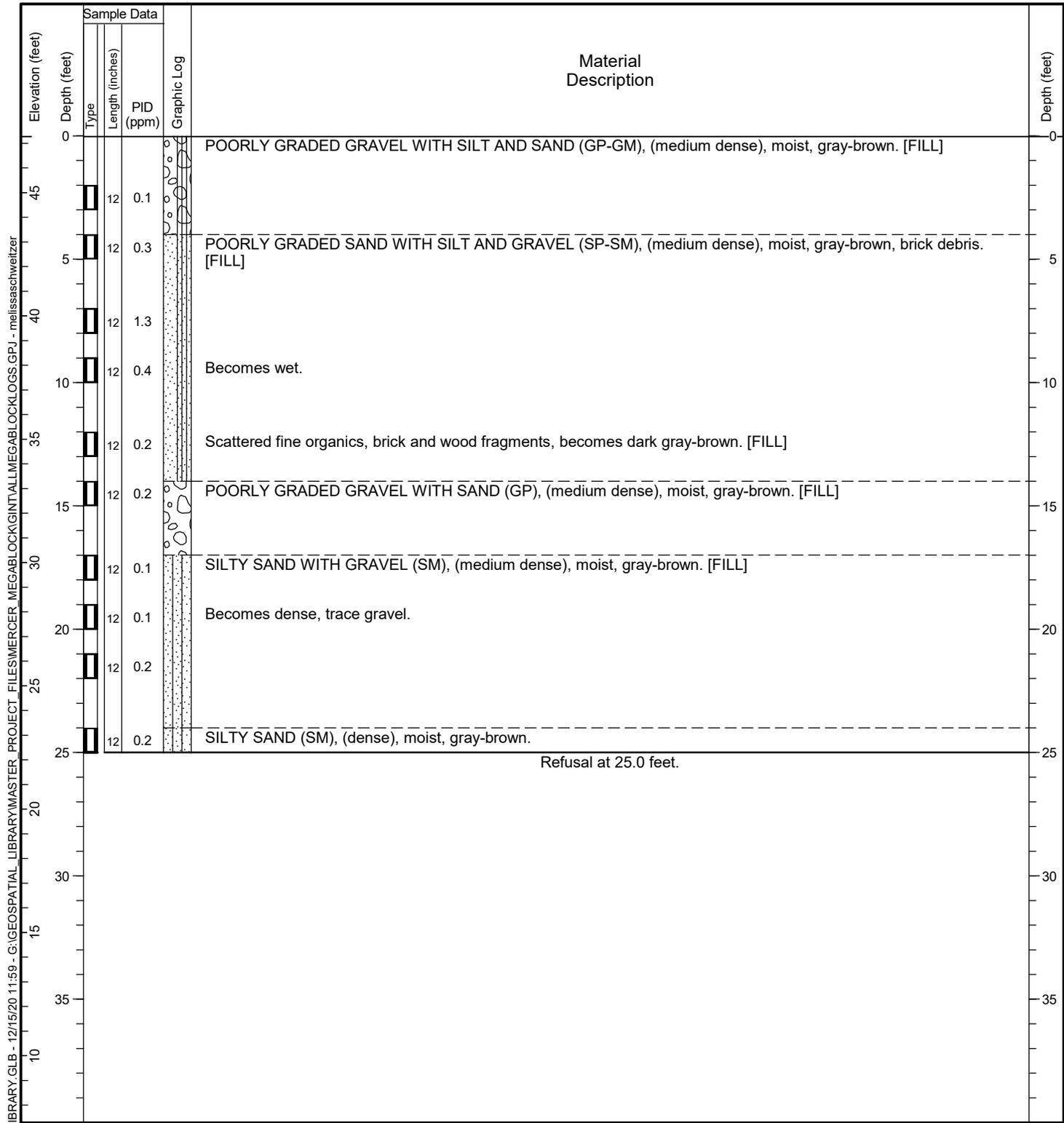


General Notes:

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.

Public Review Draft

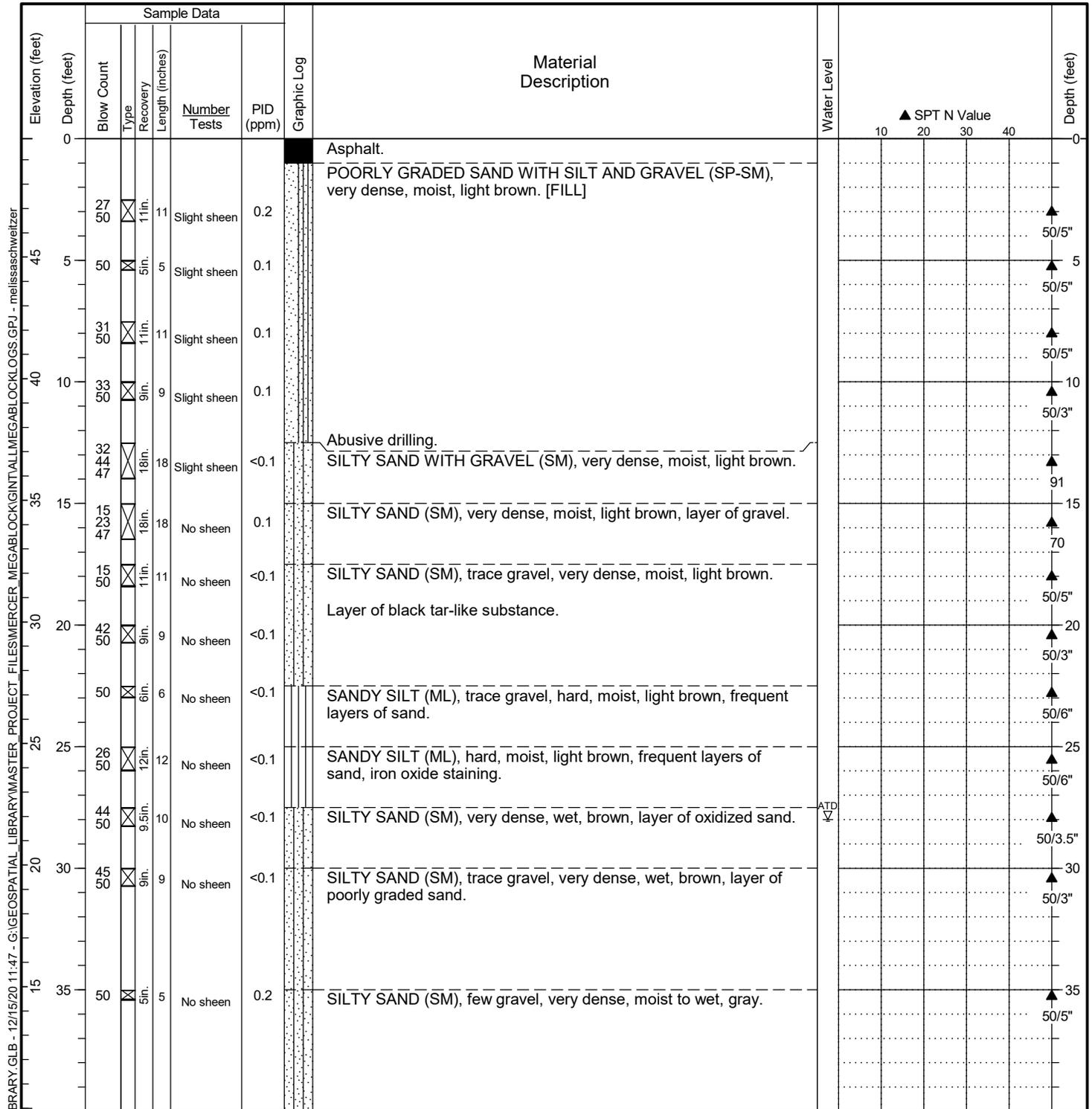
Date Started: <u>3/6/19</u>	Date Completed: <u>3/6/19</u>	Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. McDonald/B. Dozier</u>	Checked by: <u>C. Kroskie</u>	Rig Model/Type: <u>GeoProbe / PP</u>
Location: <u>Lat: 47.625180 Long: -122.340728 ()</u>	Hole Diameter: <u>inches</u>	Casing Diameter: <u>NA</u>
Ground Surface Elevation: <u>47.3 feet (NAVD88)</u>	Total Depth: <u>25 feet</u>	Depth to Groundwater: <u>Not Identified</u>
Comments: _____		



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: <u>3/11/19</u>	Date Completed: <u>3/11/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>C. Kroskie</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.625164 Long: -122.341284</u>		Rig Model/Type: <u>HSA</u>
Ground Surface Elevation: <u>49.87 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: _____		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: <u>NA</u>
		Total Depth: <u>76.5 feet</u> Depth to Groundwater: <u>28 feet</u>



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 - F:\GINT\HC LIBRARY.GLB - 12/15/20 11:47 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT_FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCK LOGS.GPJ - melissaschweitzer



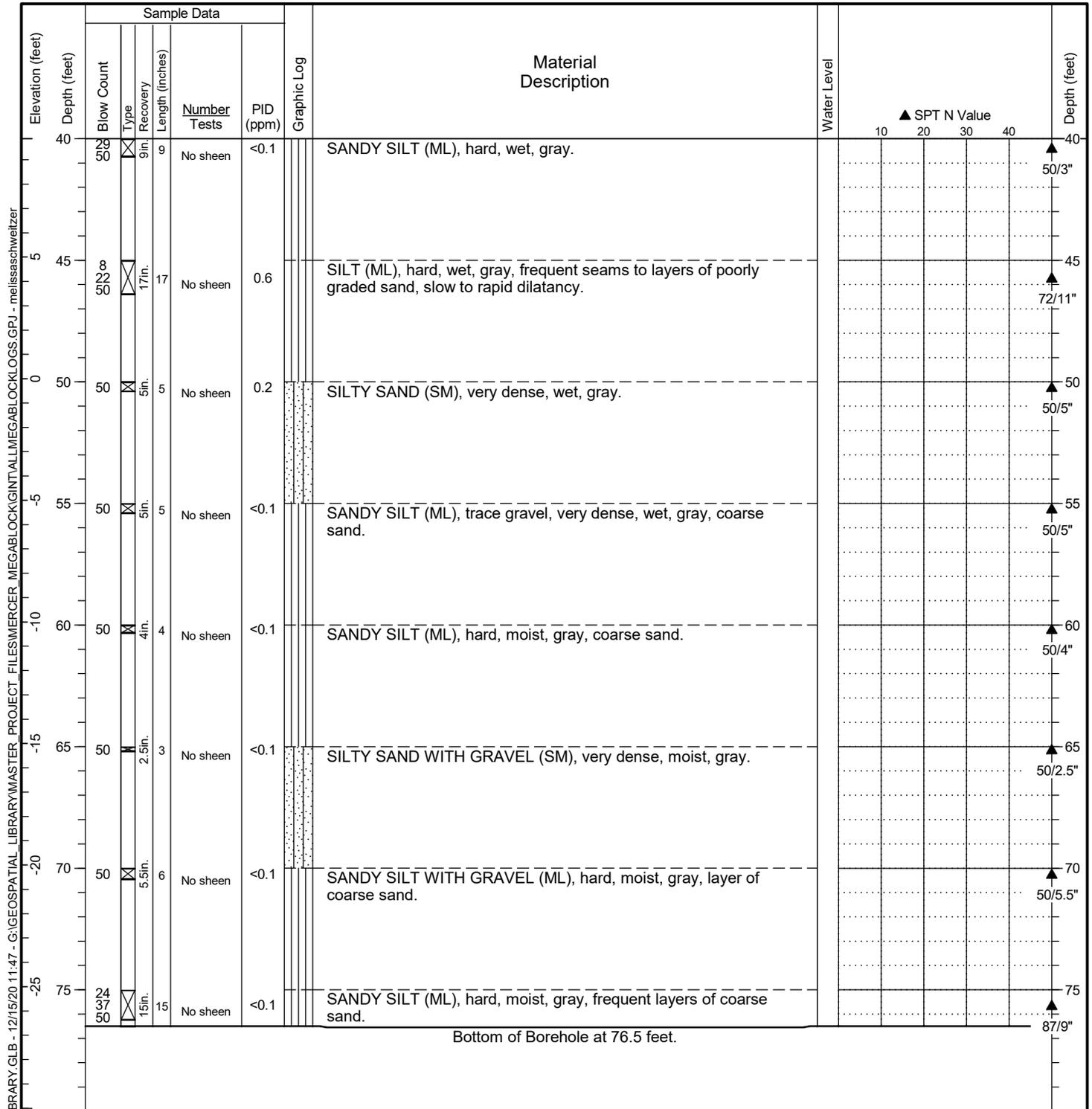
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
MBGW-5

Figure **A1-32**
 Sheet **1 of 2**

Public Review Draft

Date Started: 3/11/19	Date Completed: 3/11/19	Drilling Contractor/Crew: Holt Services, Inc.
Logged by: C. Kroskie	Checked by: C. Kroskie	Drilling Method: Hollow Stem Auger
Location: Lat: 47.625164 Long: -122.341284		Rig Model/Type: HSA
Ground Surface Elevation: 49.87 feet (NAVD88)		Hammer Type: Auto-hammer
Comments:		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches Casing Diameter: NA
		Total Depth: 76.5 feet Depth to Groundwater: 28 feet



General Notes:

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

HC BORING LOG - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:47 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCK LOGS.GPJ - melissaschweitzer

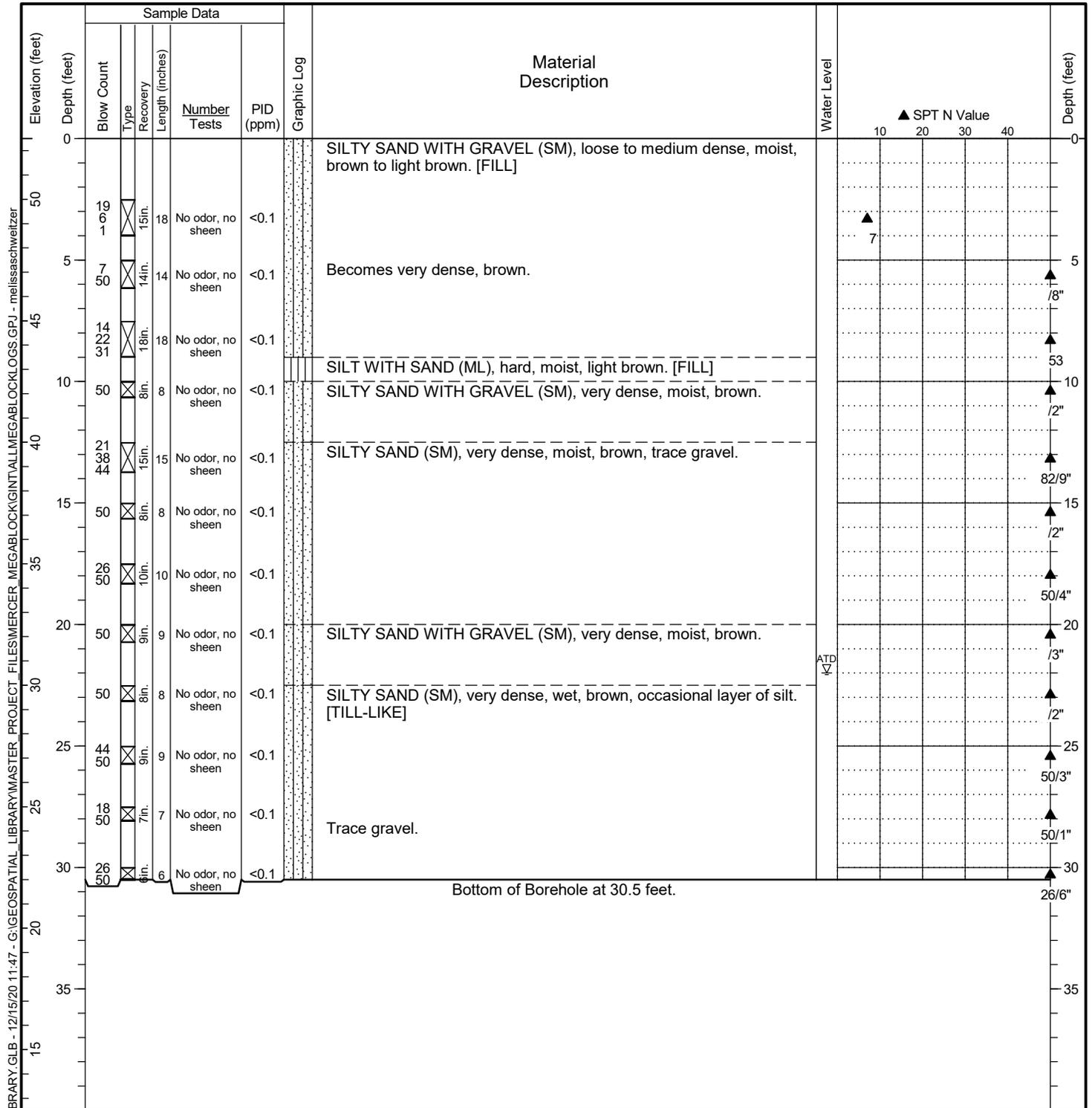


Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
MBGW-5

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

Date Started: <u>3/14/19</u>	Date Completed: <u>3/14/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>M. Shaljian</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.625189 Long: -122.341668</u>		Rig Model/Type: <u>CME-75 / HSA</u>
Ground Surface Elevation: <u>52.5 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: _____		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: <u>NA</u>
		Total Depth: <u>30.5 feet</u> Depth to Groundwater: <u>22 feet</u>

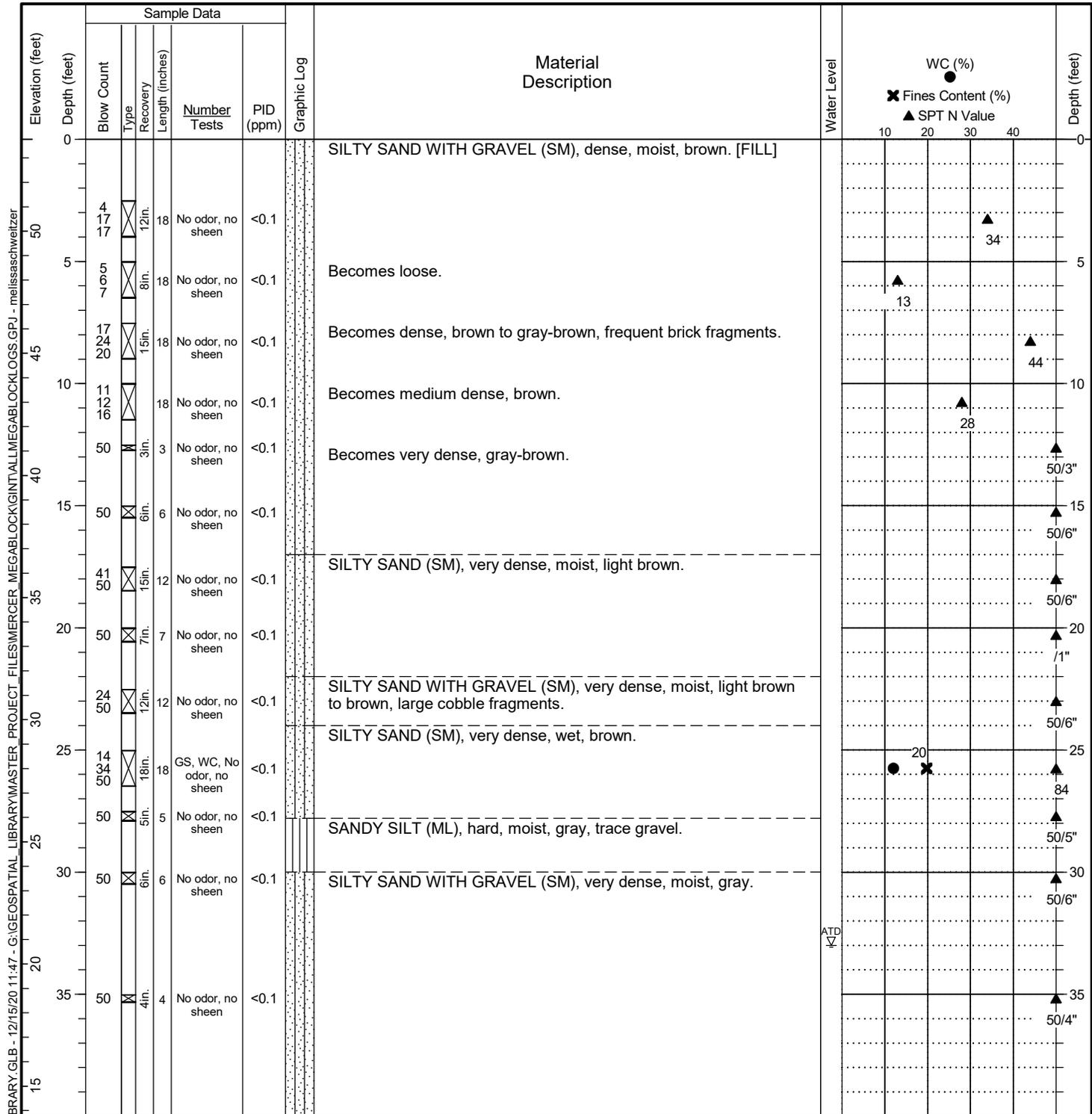


General Notes:

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.

Public Review Draft

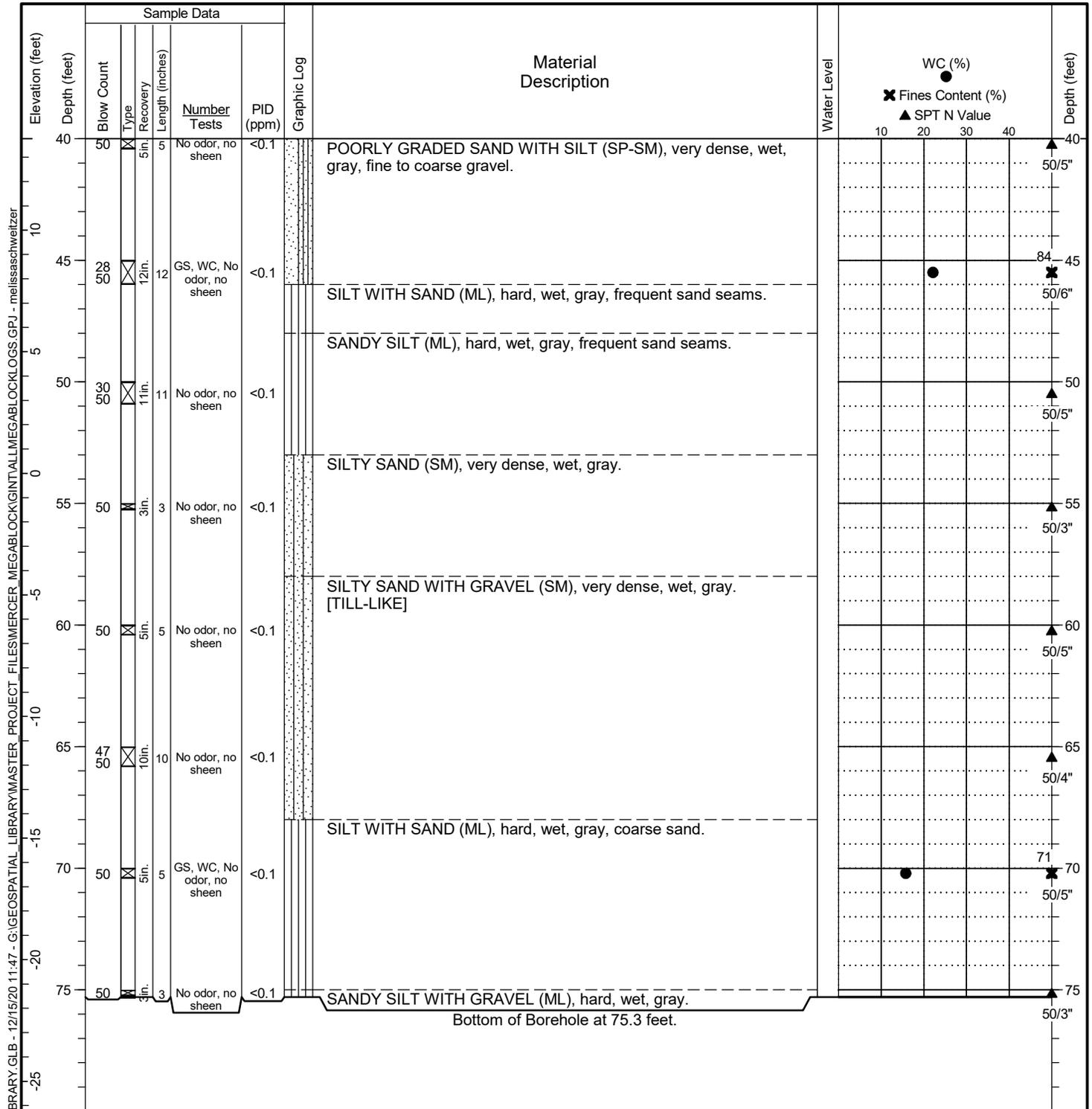
Date Started: 3/6/19	Date Completed: 3/6/19	Drilling Contractor/Crew: Holt Services, Inc.
Logged by: M. Shaljian	Checked by: C. Kroskie	Drilling Method: Hollow Stem Auger
Location: Lat: 47.624996 Long: -122.341667		Rig Model/Type: CME-85 / HSA
Ground Surface Elevation: 53.76 feet (NAVD88)		Hammer Type: Auto-hammer
Comments:		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches Casing Diameter: NA
		Total Depth: 75.3 feet Depth to Groundwater: 33 feet



General Notes:

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

Date Started: 3/6/19	Date Completed: 3/6/19	Drilling Contractor/Crew: Holt Services, Inc.
Logged by: M. Shaljian	Checked by: C. Kroskie	Drilling Method: Hollow Stem Auger
Location: Lat: 47.624996 Long: -122.341667		Rig Model/Type: CME-85 / HSA
Ground Surface Elevation: 53.76 feet (NAVD88)		Hammer Type: Auto-hammer
Comments:		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches Casing Diameter: NA
		Total Depth: 75.3 feet Depth to Groundwater: 33 feet



General Notes:

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

HC BORING LOG - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:47 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCK LOGS.GPJ - melissaschweitzer



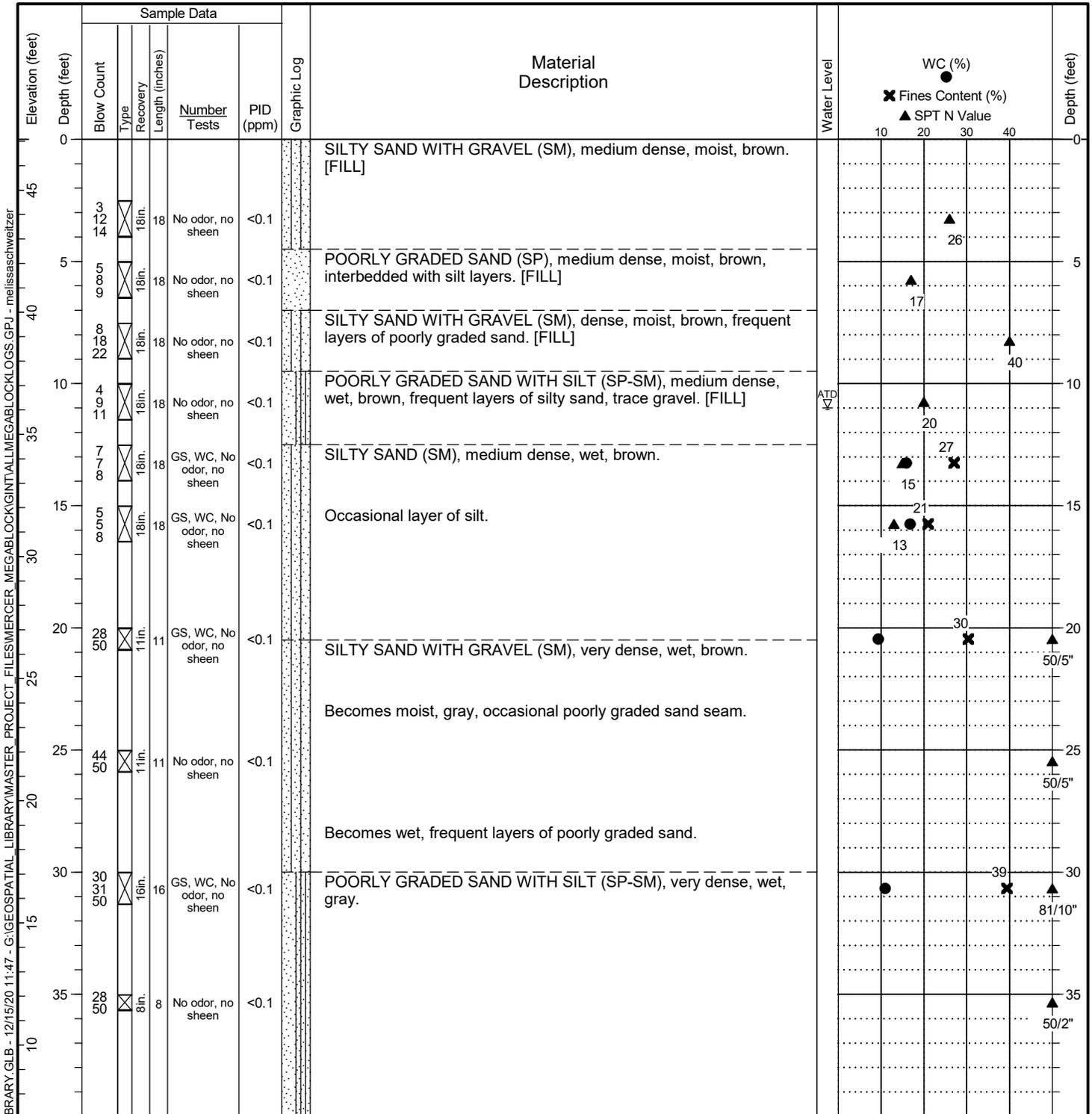
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
MBGW-7

Figure **A1-34**
 Sheet **2 of 2**

Public Review Draft

Date Started: <u>3/15/19</u>	Date Completed: <u>3/15/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>C. Kroskie</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.624879 Long: -122.340770</u>		Rig Model/Type: <u>HSA</u>
Ground Surface Elevation: <u>47.08 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: _____		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: <u>NA</u>
		Total Depth: <u>76.5 feet</u> Depth to Groundwater: <u>11 feet</u>



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.



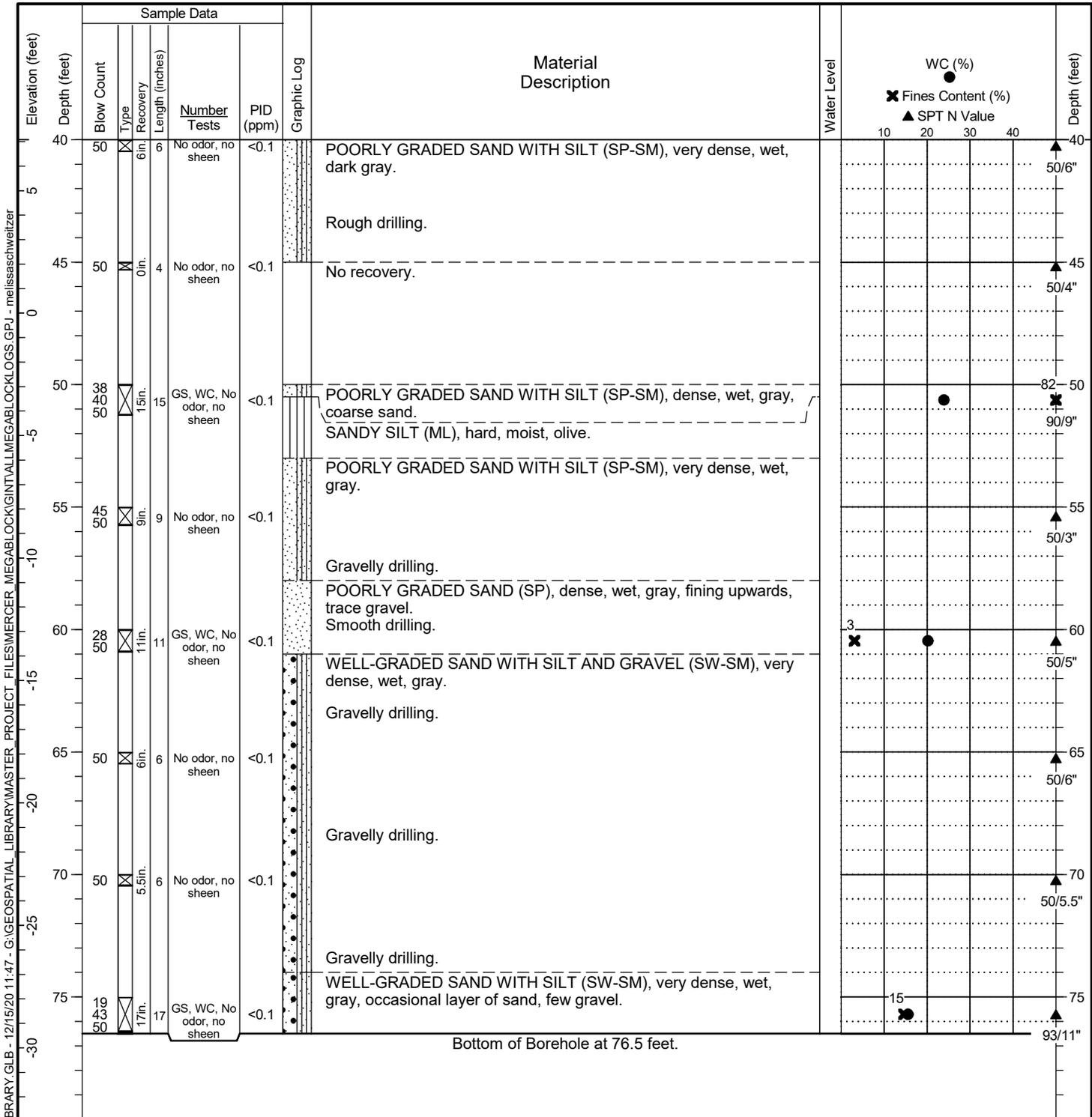
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
MBGW-8

Figure **A1-35**
 Sheet **1 of 2**

Public Review Draft

Date Started: <u>3/15/19</u>	Date Completed: <u>3/15/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>C. Kroskie</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.624879 Long: -122.340770</u>		Rig Model/Type: <u>HSA</u>
Ground Surface Elevation: <u>47.08 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: _____		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: <u>NA</u>
		Total Depth: <u>76.5 feet</u> Depth to Groundwater: <u>11 feet</u>

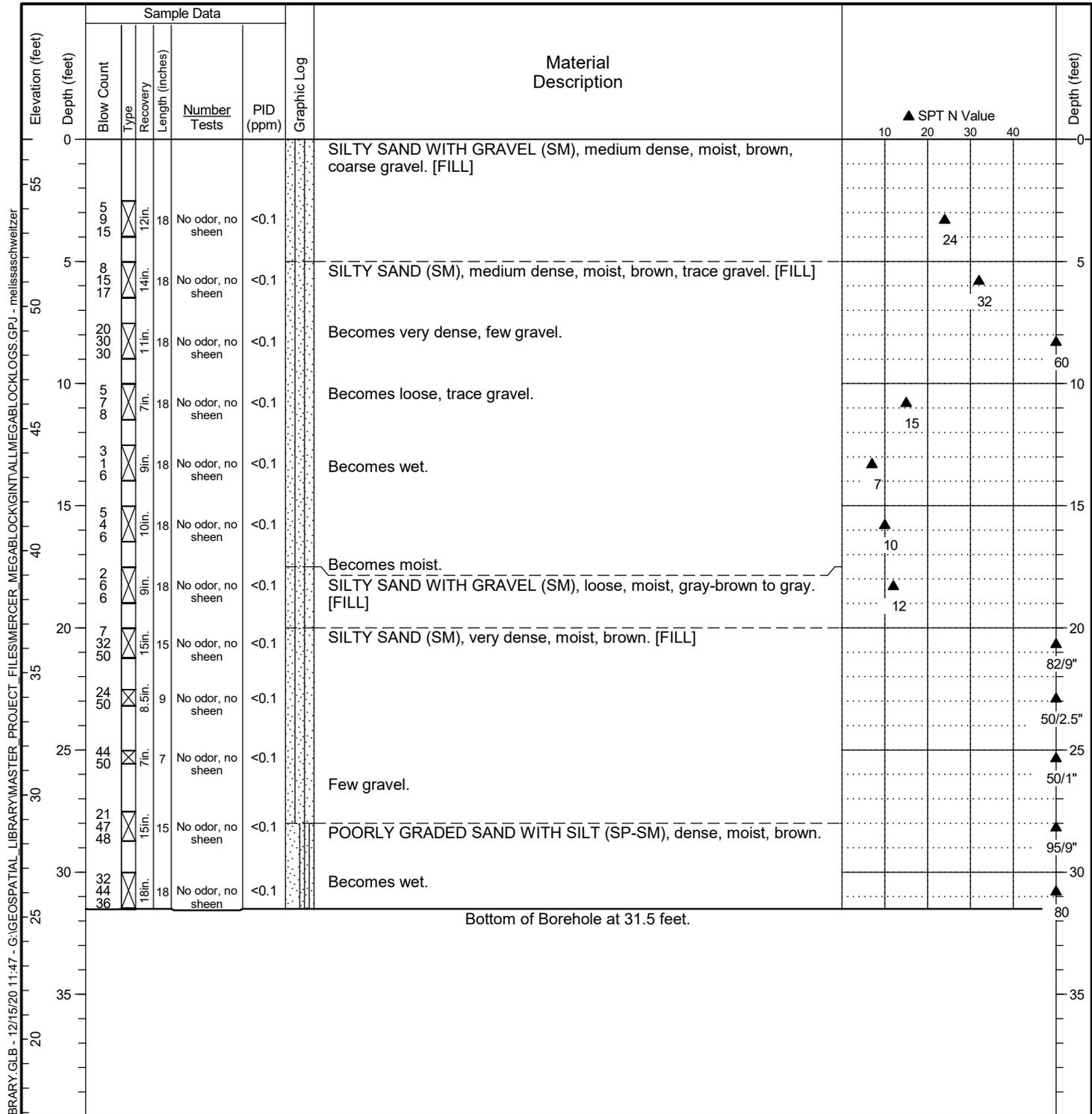


General Notes:

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.

Public Review Draft

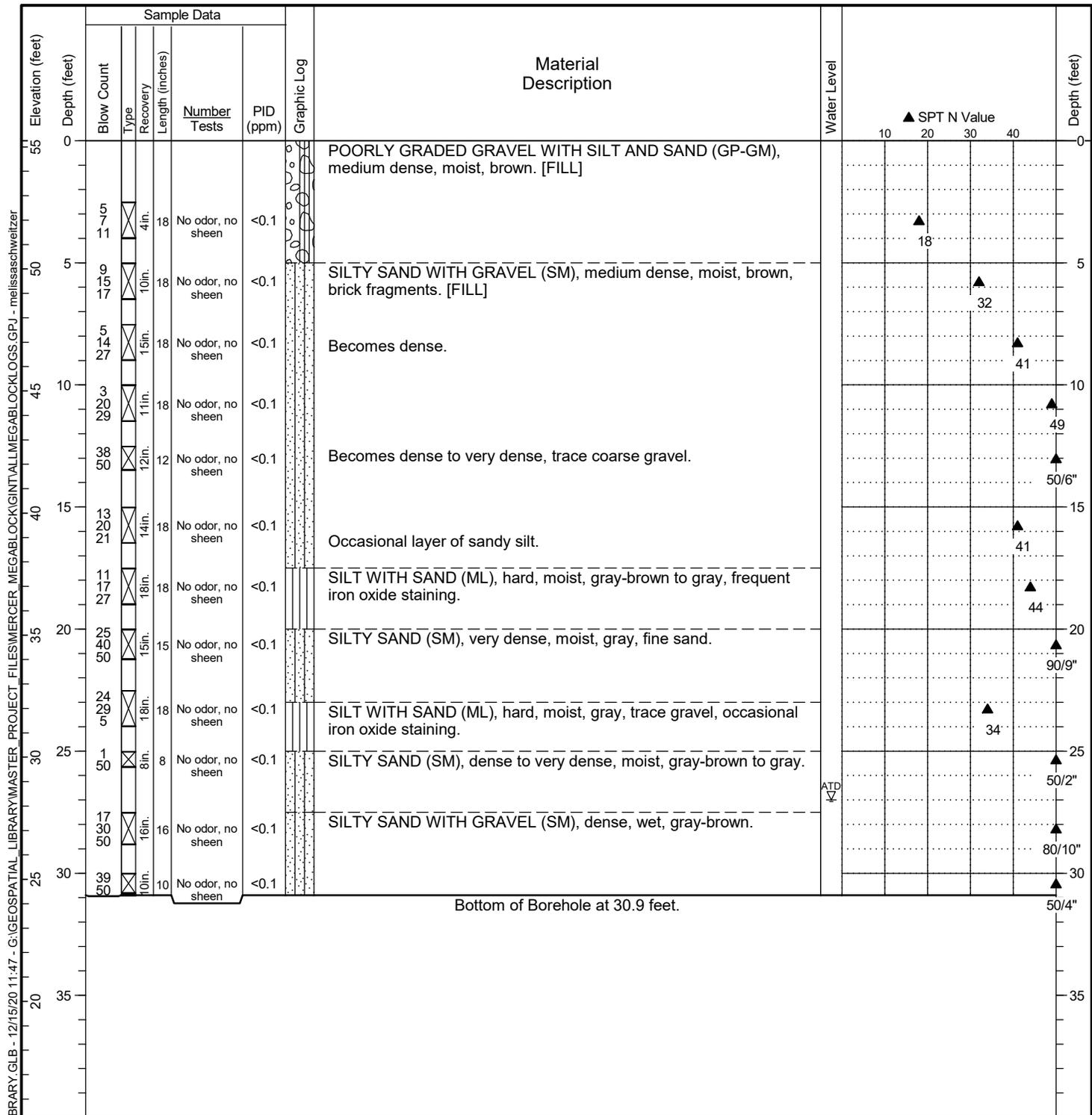
Date Started: 3/13/19	Date Completed: 3/13/19	Drilling Contractor/Crew: Holt Services, Inc.
Logged by: M. Shaljian	Checked by: C. Kroskie	Drilling Method: Hollow Stem Auger
Location: Lat: 47.624801 Long: -122.341762		Rig Model/Type: CME-75 / HSA
Ground Surface Elevation: 56.84 feet (NAVD88)		Hammer Type: Auto-hammer
Comments:		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches Casing Diameter: NA
		Total Depth: 31.5 feet Depth to Groundwater: Not Identified



General Notes:

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

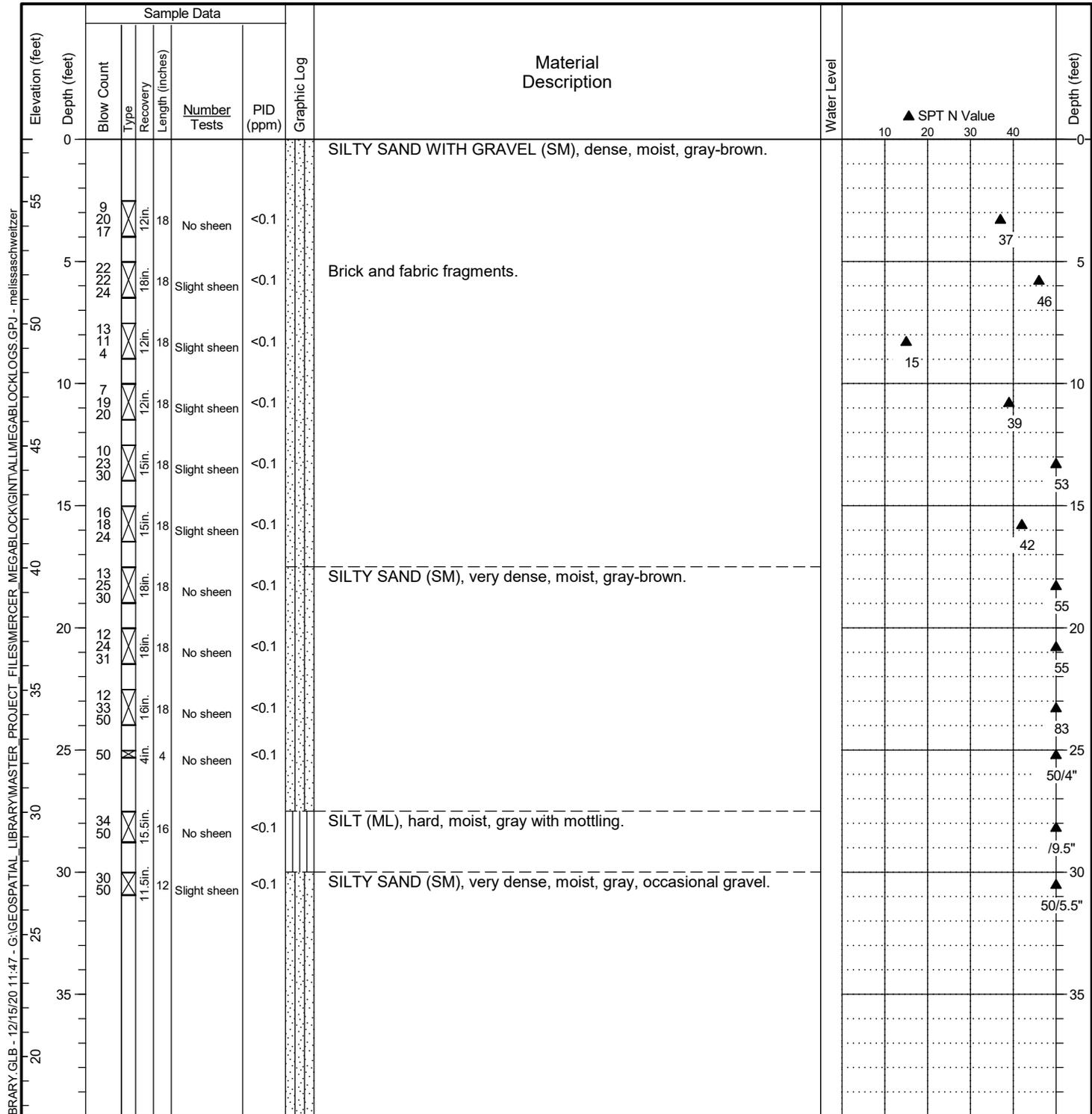
Date Started: <u>3/13/19</u>	Date Completed: <u>3/13/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>M. Shaljian</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.624720 Long: -122.341638</u>		Rig Model/Type: <u>CME-75 / HSA</u>
Ground Surface Elevation: <u>55.25 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: _____		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: <u>NA</u>
		Total Depth: <u>30.9 feet</u> Depth to Groundwater: <u>27 feet</u>



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.

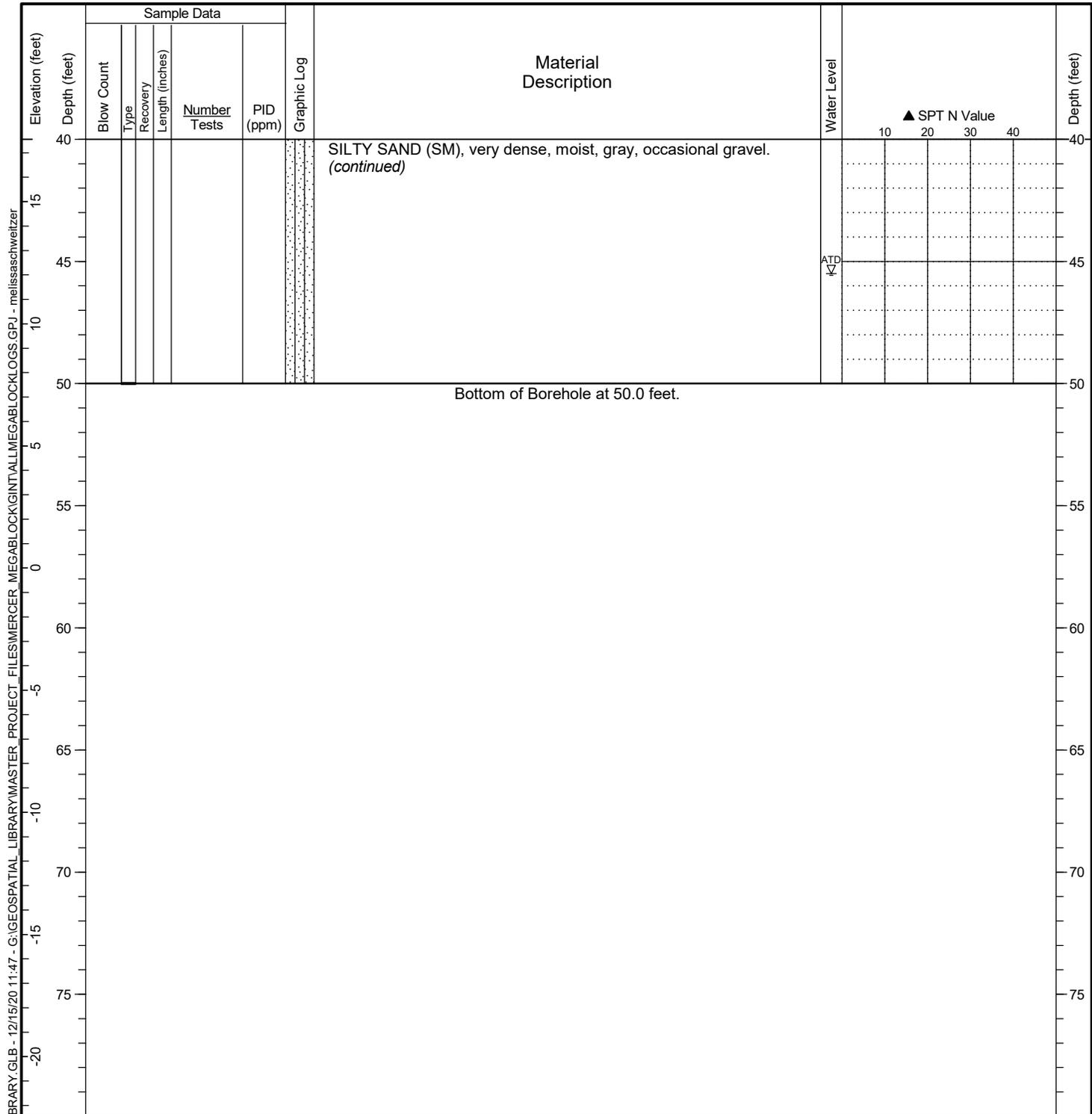
Date Started: <u>3/12/19</u>	Date Completed: <u>3/12/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.624681 Long: -122.341850</u>		Rig Model/Type: <u>HSA</u>
Ground Surface Elevation: <u>57.55 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: _____		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: <u>NA</u>
		Total Depth: <u>50 feet</u> Depth to Groundwater: <u>45.5 feet</u>



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: <u>3/12/19</u>	Date Completed: <u>3/12/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.624681 Long: -122.341850</u>		Rig Model/Type: <u>HSA</u>
Ground Surface Elevation: <u>57.55 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: _____		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: <u>NA</u>
		Total Depth: <u>50 feet</u> Depth to Groundwater: <u>45.5 feet</u>

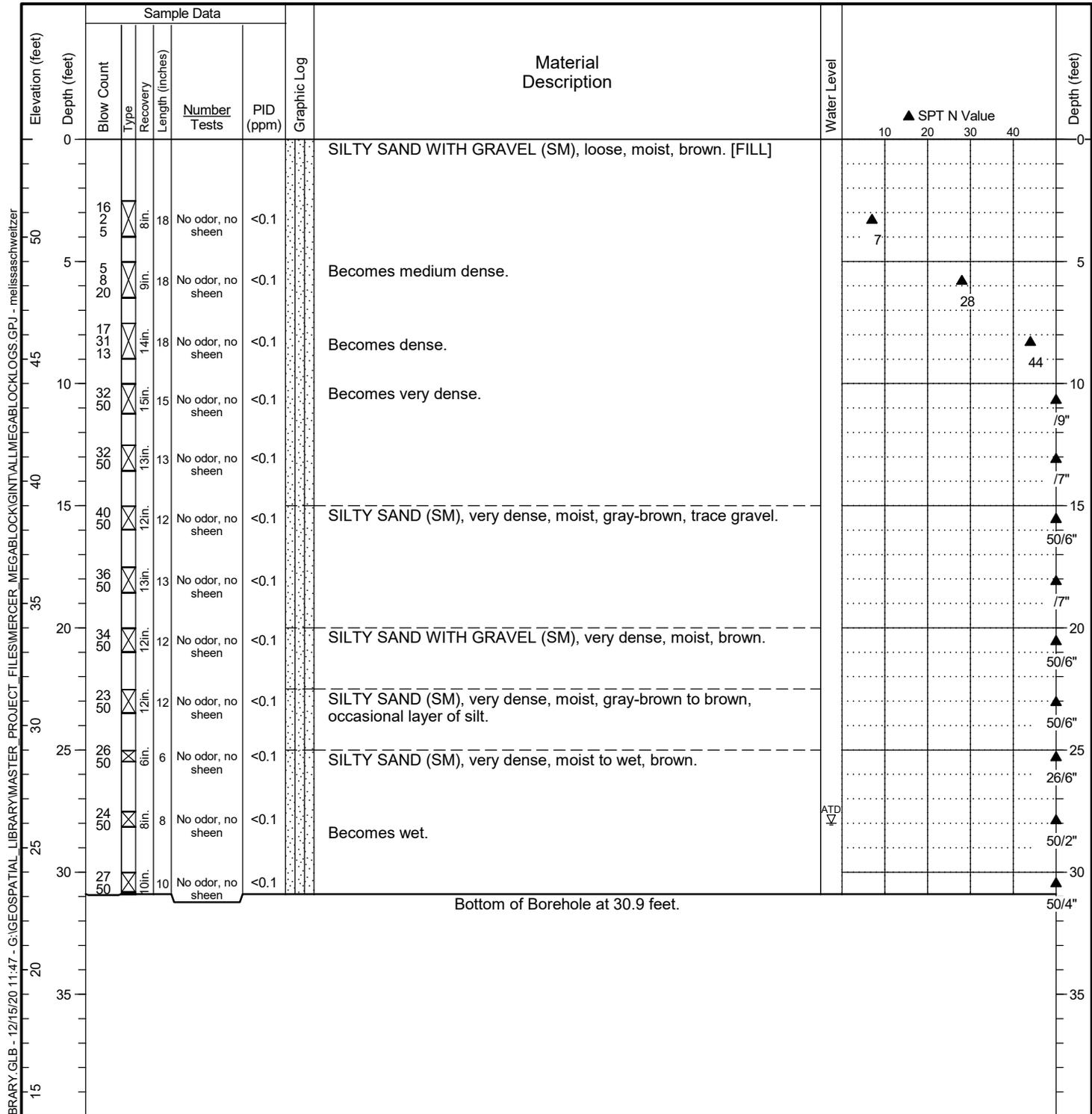


General Notes:

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.

Public Review Draft

Date Started: <u>3/15/19</u>	Date Completed: <u>3/15/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>M. Shaljian</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.625272 Long: -122.341838</u>		Rig Model/Type: <u>CME-75 / HSA</u>
Ground Surface Elevation: <u>54 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: _____		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: <u>NA</u>
		Total Depth: <u>30.9 feet</u> Depth to Groundwater: <u>28 feet</u>

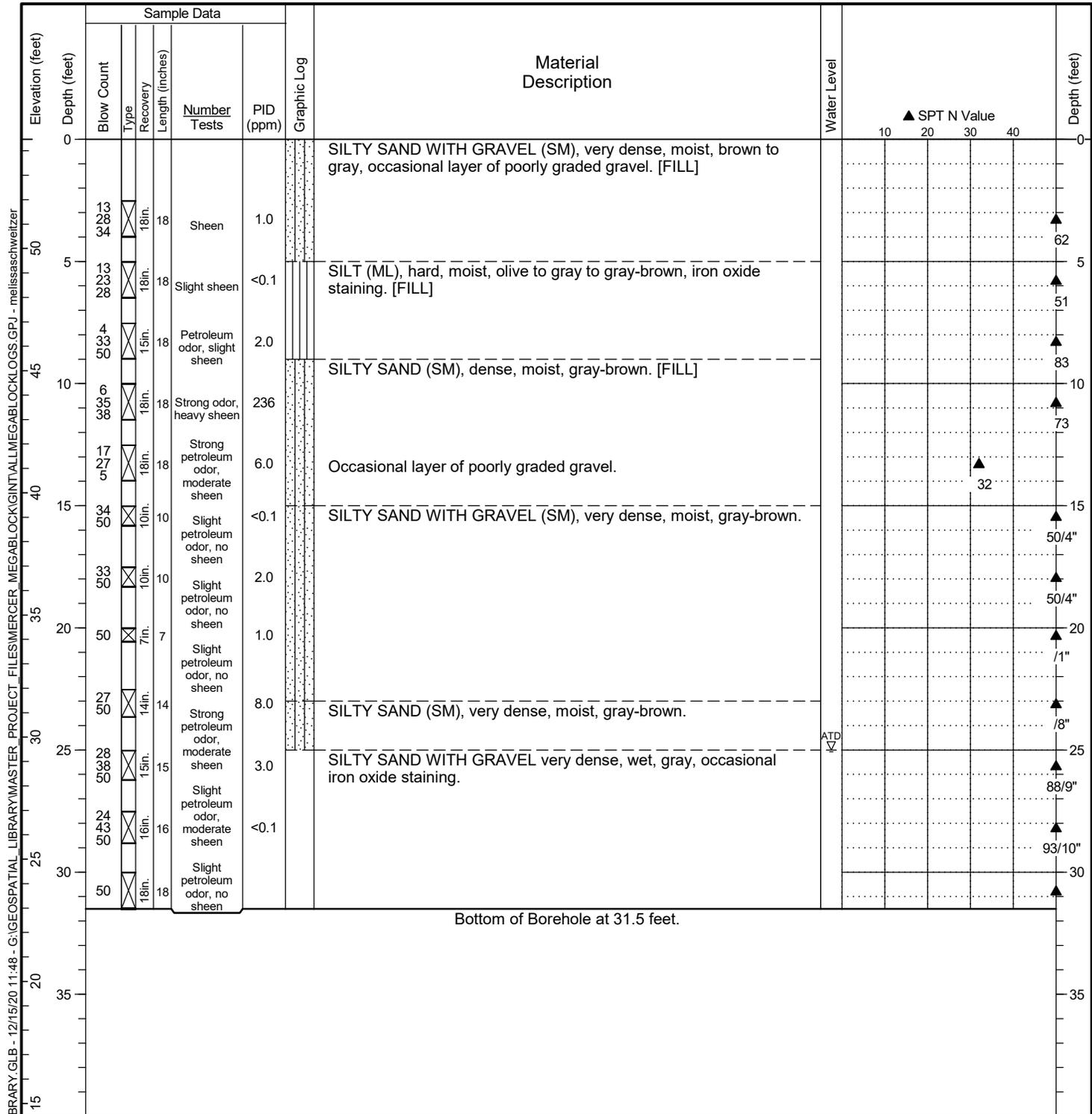


General Notes:

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.

Public Review Draft

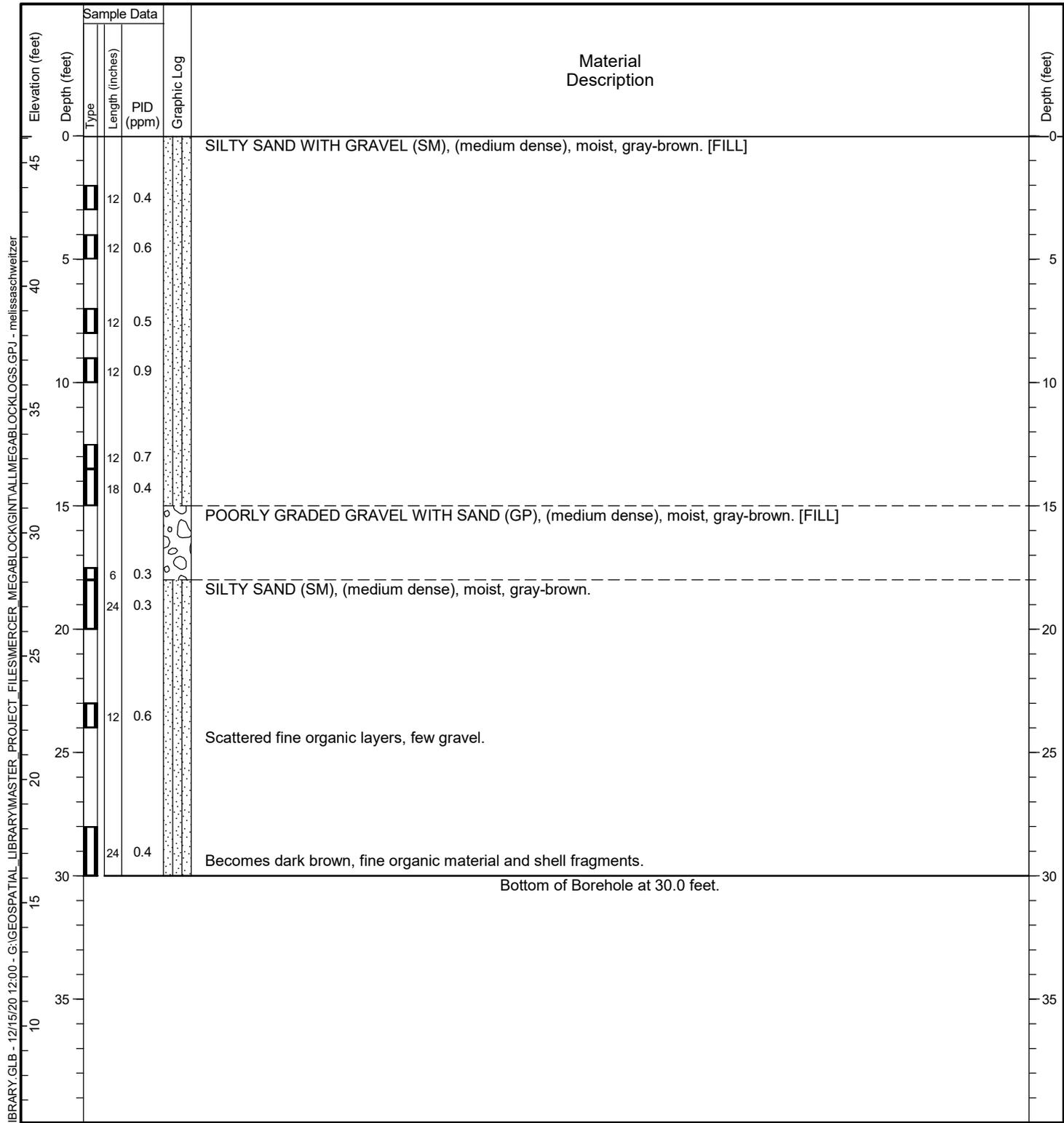
Date Started: <u>3/14/19</u>	Date Completed: <u>3/14/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>C. Kroskie/M. Shaljian</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.625181 Long: -122.341894</u>		Rig Model/Type: <u>CME-75 / HSA</u>
Ground Surface Elevation: <u>54.47 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: _____		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: <u>NA</u>
		Total Depth: <u>31.5 feet</u> Depth to Groundwater: <u>25 feet</u>



- 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.

Public Review Draft

Date Started: <u>3/6/19</u>	Date Completed: <u>3/6/19</u>	Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. McDonald/B. Dozier</u>	Checked by: <u>C. Kroskie</u>	Rig Model/Type: <u>GeoProbe / PP</u>
Location: <u>Lat: 47.624992 Long: -122.340116 ()</u>	Hole Diameter: <u>2 inches</u>	Casing Diameter: <u>NA</u>
Ground Surface Elevation: <u>46.09 feet (NAVD88)</u>	Total Depth: <u>30 feet</u>	Depth to Groundwater: <u>Not Identified</u>
Comments: _____		

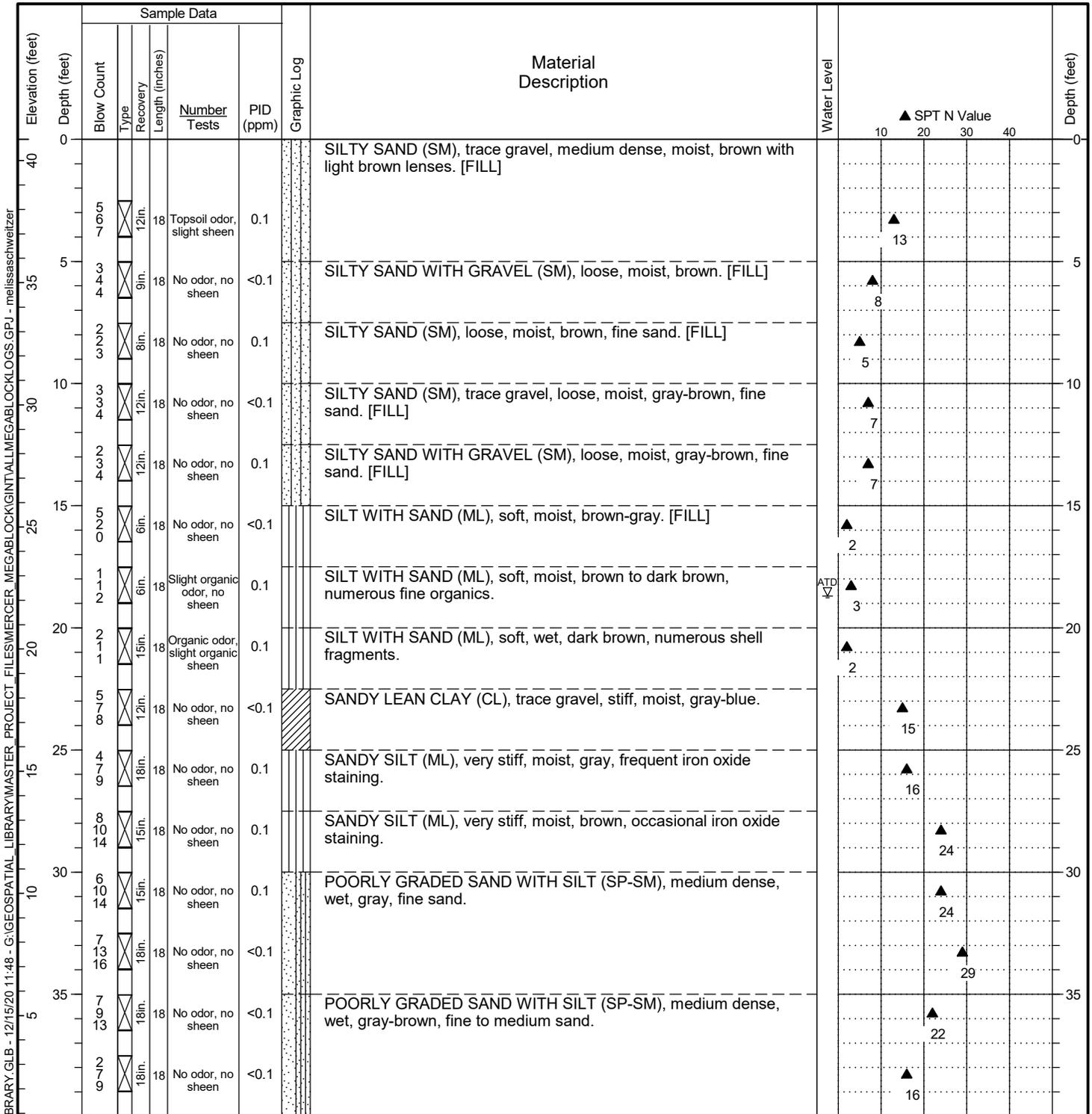


General Notes:

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.

Public Review Draft

Date Started: <u>3/8/19</u>	Date Completed: <u>3/11/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>C. McCabe/B. McDonald</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.624865 Long: -122.340056</u>		Rig Model/Type: <u>Mobile 5-57 / HSA</u>
Ground Surface Elevation: <u>40.87 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: _____		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: <u>NA</u>
		Total Depth: <u>81 feet</u> Depth to Groundwater: <u>18.7 feet</u>

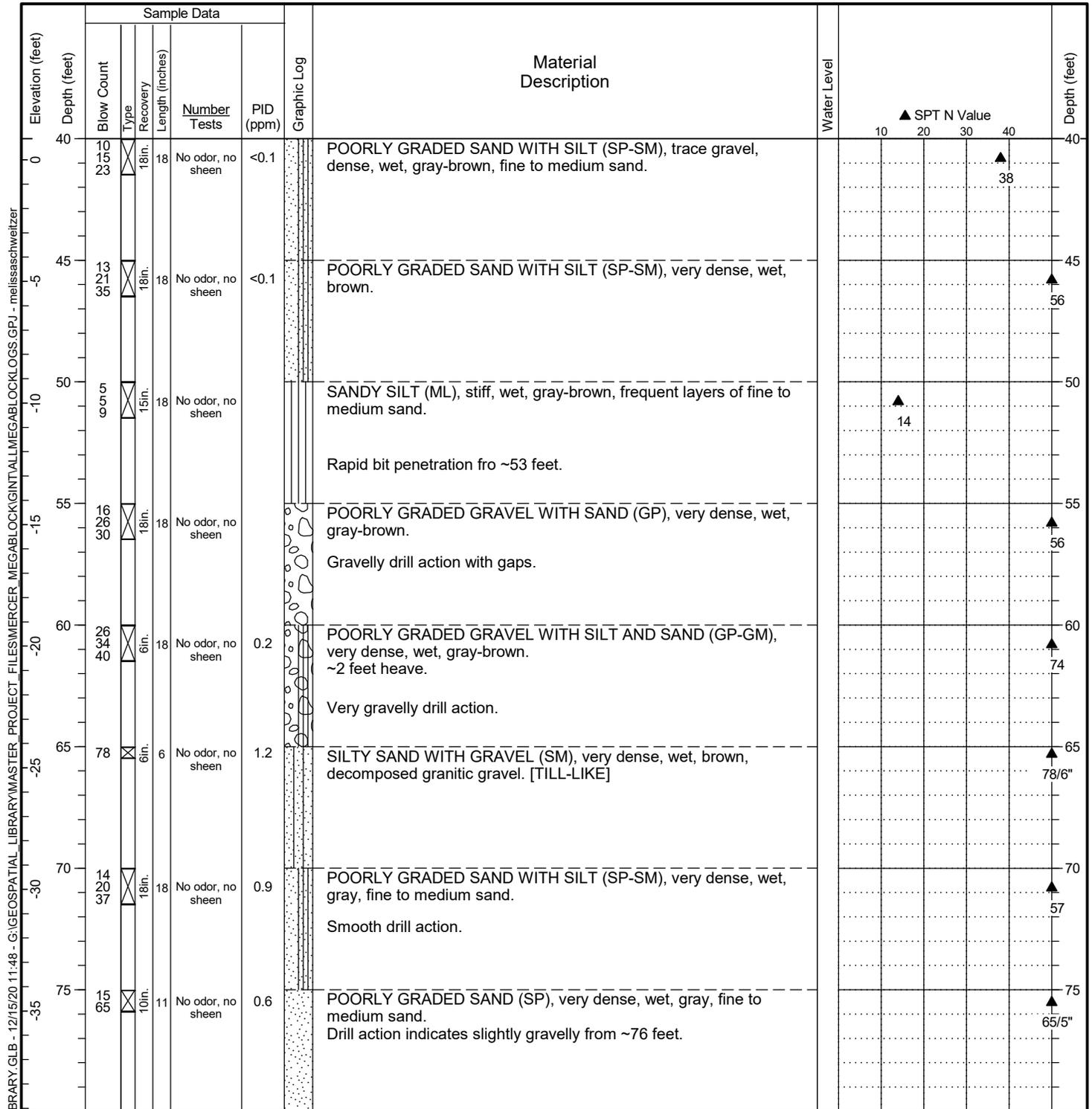


General Notes:

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.

Public Review Draft

Date Started: 3/8/19	Date Completed: 3/11/19	Drilling Contractor/Crew: Holt Services, Inc.
Logged by: C. McCabe/B. McDonald	Checked by: C. Kroskie	Drilling Method: Hollow Stem Auger
Location: Lat: 47.624865 Long: -122.340056		Rig Model/Type: Mobile 5-57 / HSA
Ground Surface Elevation: 40.87 feet (NAVD88)		Hammer Type: Auto-hammer
Comments:		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches Casing Diameter: NA
		Total Depth: 81 feet Depth to Groundwater: 18.7 feet

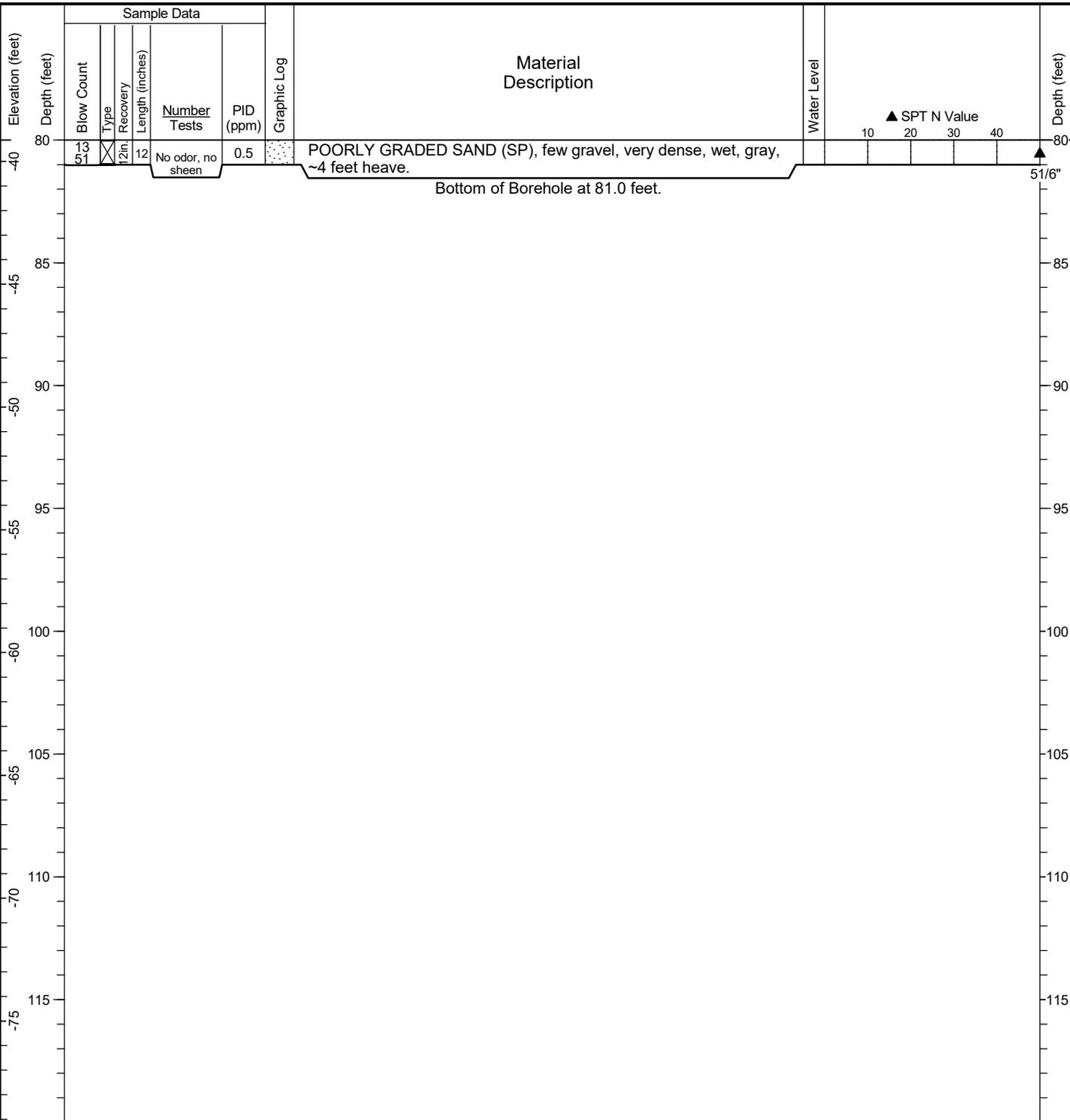


General Notes:

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

Public Review Draft

Date Started: <u>3/8/19</u>	Date Completed: <u>3/11/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>C. McCabe/B. McDonald</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.624865 Long: -122.340056</u>		Rig Model/Type: <u>Mobile 5-57 / HSA</u>
Ground Surface Elevation: <u>40.87 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: _____		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: <u>NA</u>
		Total Depth: <u>81 feet</u> Depth to Groundwater: <u>18.7 feet</u>



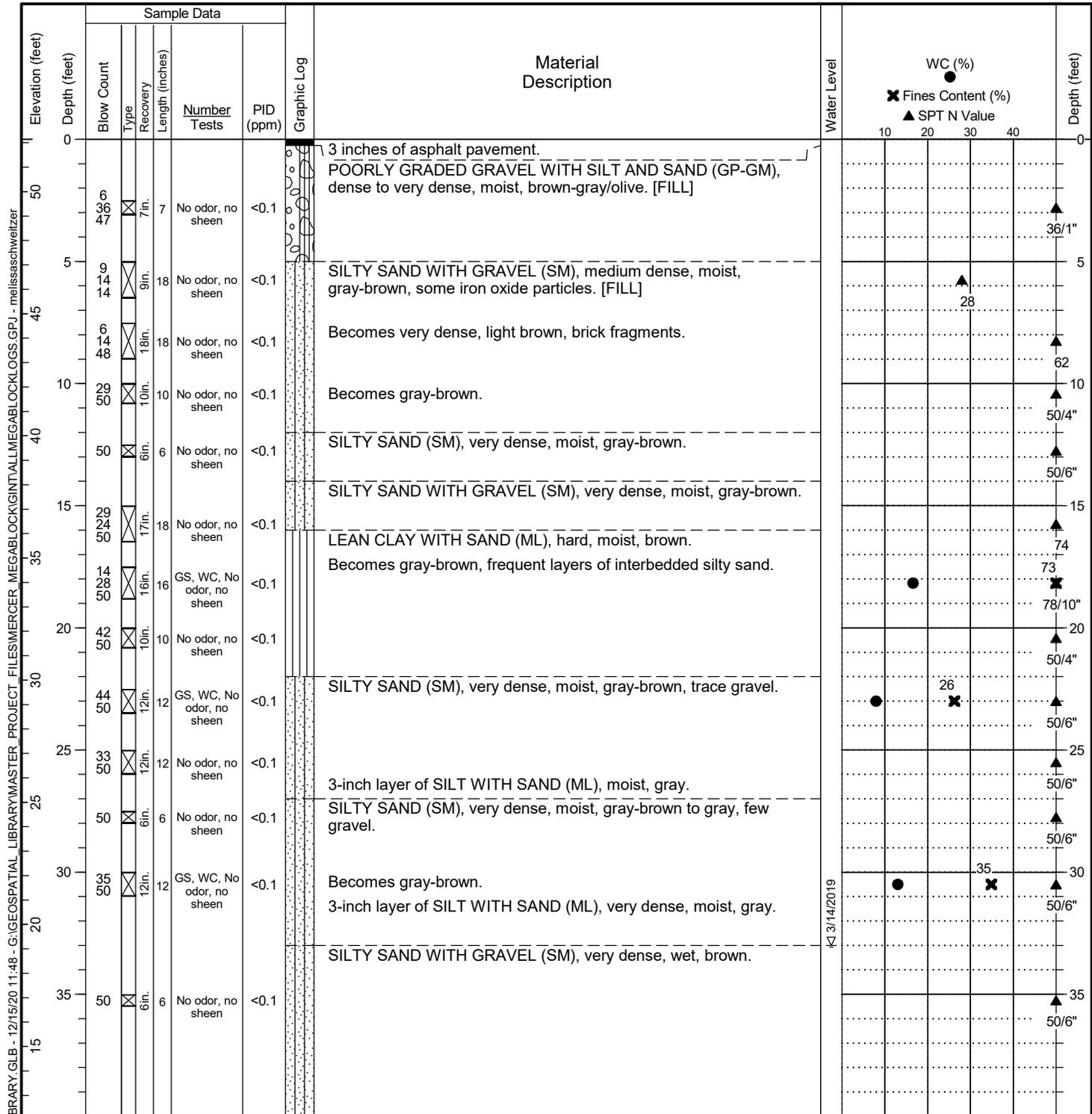
General Notes:

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 - F:\GINT\HC LIBRARY.GLB - 12/15/20 11:48 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCK LOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: <u>3/8/19</u>	Date Completed: <u>3/14/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>M. Shaljian/C. Kroskie</u>	Checked by: <u>C. Kroskie/Z. Yell</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.624787 Long: -122.341347</u>		Rig Model/Type: <u>CME-85 / HSA</u>
Ground Surface Elevation: <u>52.14 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: _____		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: <u>NA</u>
		Total Depth: <u>75.5 feet</u> Depth to Groundwater: <u>33 feet</u>

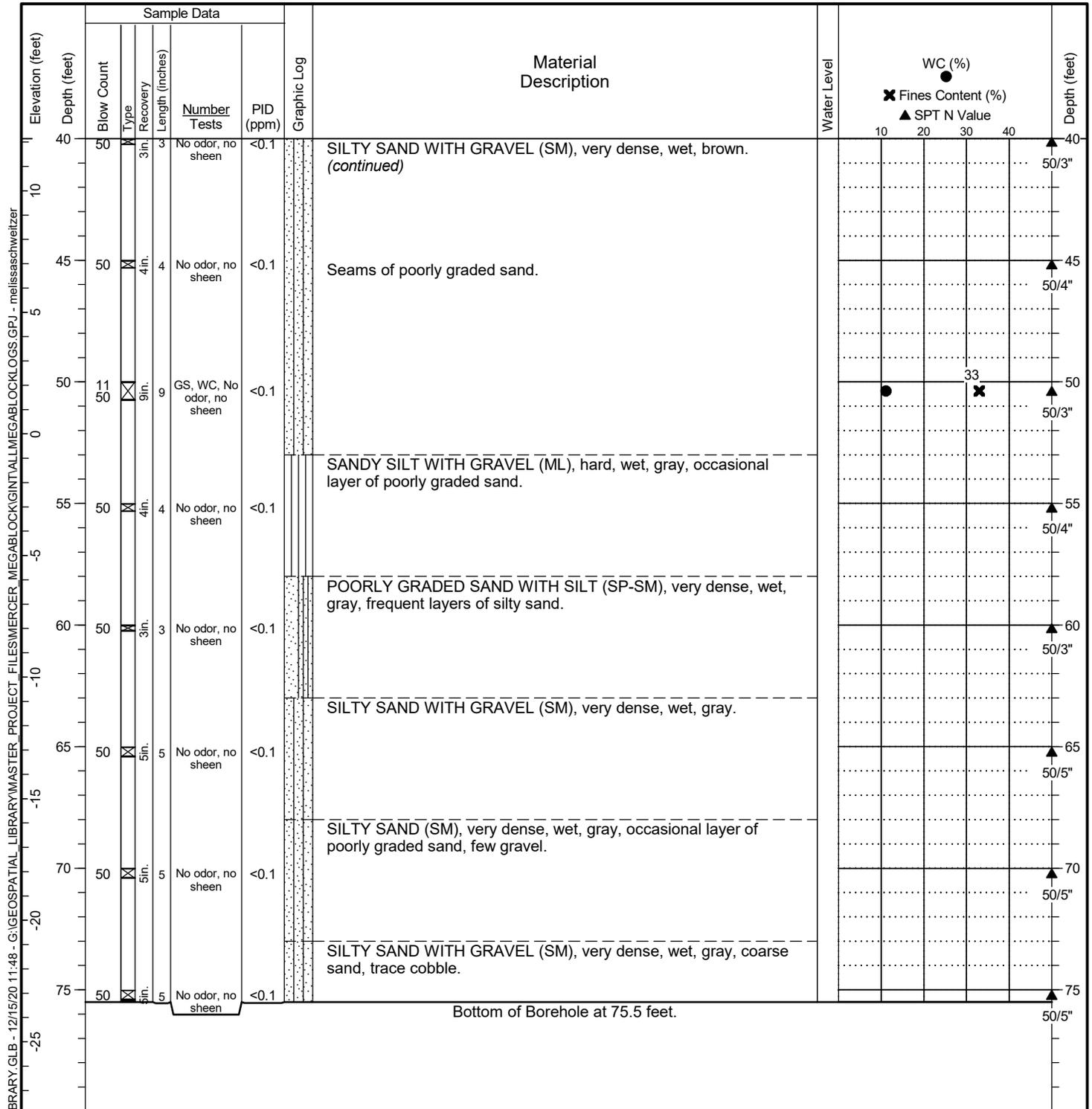


General Notes:

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.

Public Review Draft

Date Started: 3/8/19	Date Completed: 3/14/19	Drilling Contractor/Crew: Holt Services, Inc.
Logged by: M. Shaljian/C. Kroskie	Checked by: C. Kroskie/Z. Yell	Drilling Method: Hollow Stem Auger
Location: Lat: 47.624787 Long: -122.341347		Rig Model/Type: CME-85 / HSA
Ground Surface Elevation: 52.14 feet (NAVD88)		Hammer Type: Auto-hammer
Comments:		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches Casing Diameter: NA
		Total Depth: 75.5 feet Depth to Groundwater: 33 feet

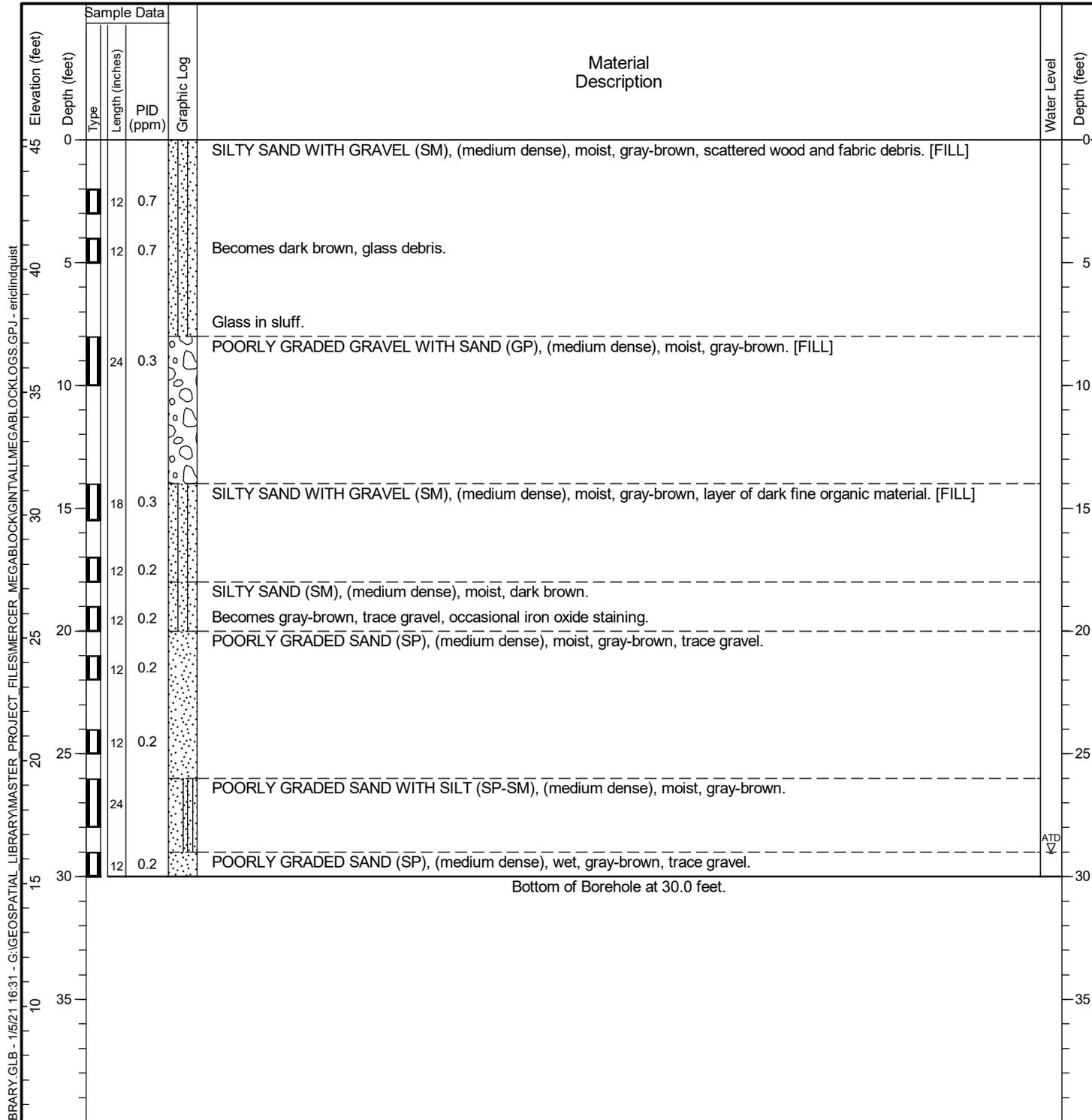


General Notes:

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

Public Review Draft

Date Started: <u>3/5/19</u>	Date Completed: <u>3/5/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. McDonald/B. Dozier</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: _____
Location: <u>Lat: 47.625044 Long: -122.340404 (WGS 84)</u>		Rig Model/Type: <u>GeoProbe / PP</u>
Ground Surface Elevation: <u>45.28 feet (NAVD 88)</u>		Hammer Type: _____
Comments: _____		Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: _____ Casing Diameter: <u>NA</u>
		Total Depth: <u>30 feet</u> Depth to Groundwater: <u>29 feet</u>

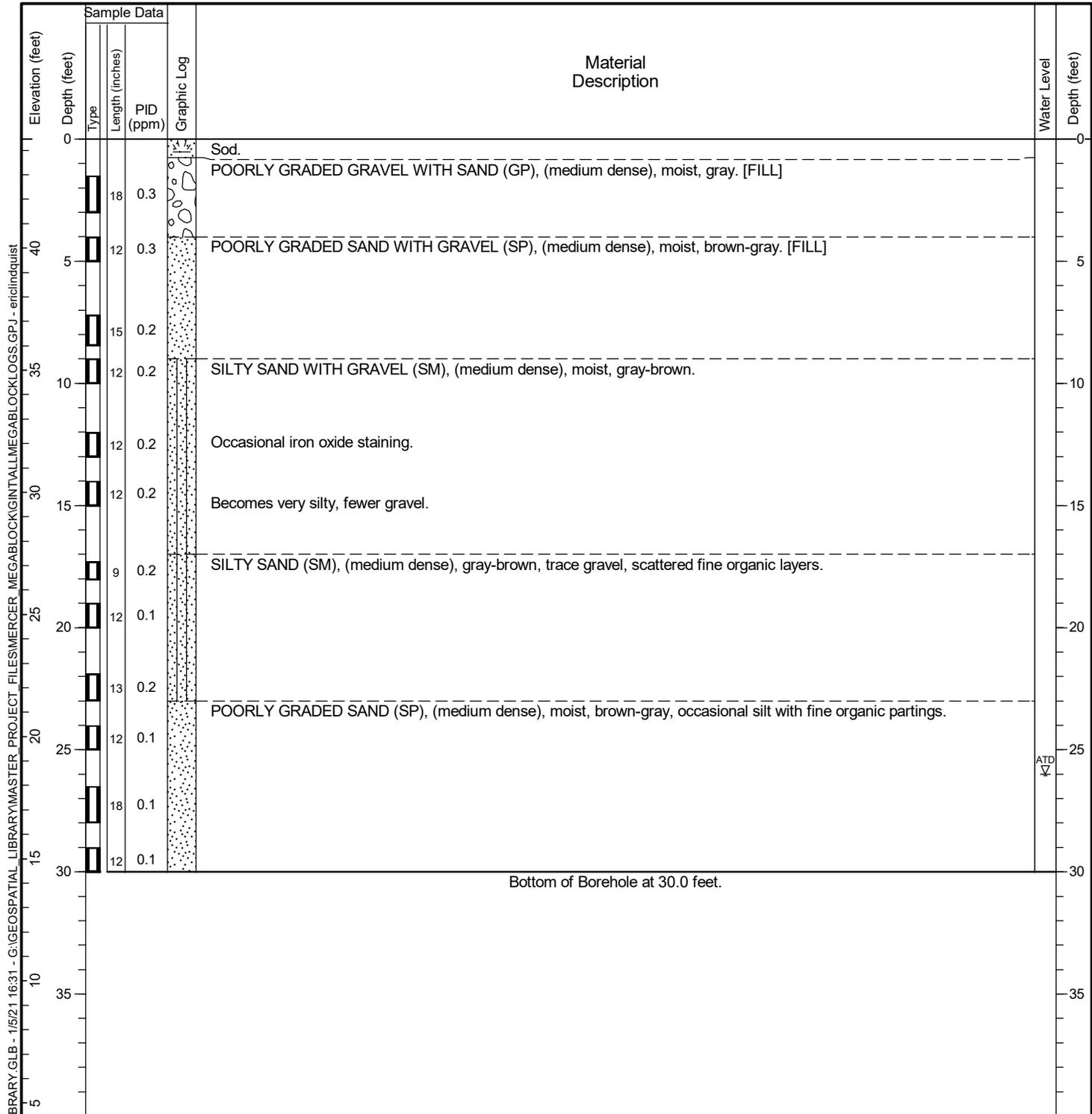


General Notes:

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.

Public Review Draft

Date Started: <u>3/5/19</u>	Date Completed: <u>3/5/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. McDonald</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: _____
Location: <u>Lat: 47.624880 Long: -122.340290 (WGS 84)</u>		Rig Model/Type: <u>GeoProbe / PP</u>
Ground Surface Elevation: <u>44.46 feet (NAVD 88)</u>		Hammer Type: _____
Comments: _____		Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: _____ Casing Diameter: <u>NA</u>
		Total Depth: <u>30 feet</u> Depth to Groundwater: <u>26 feet</u>



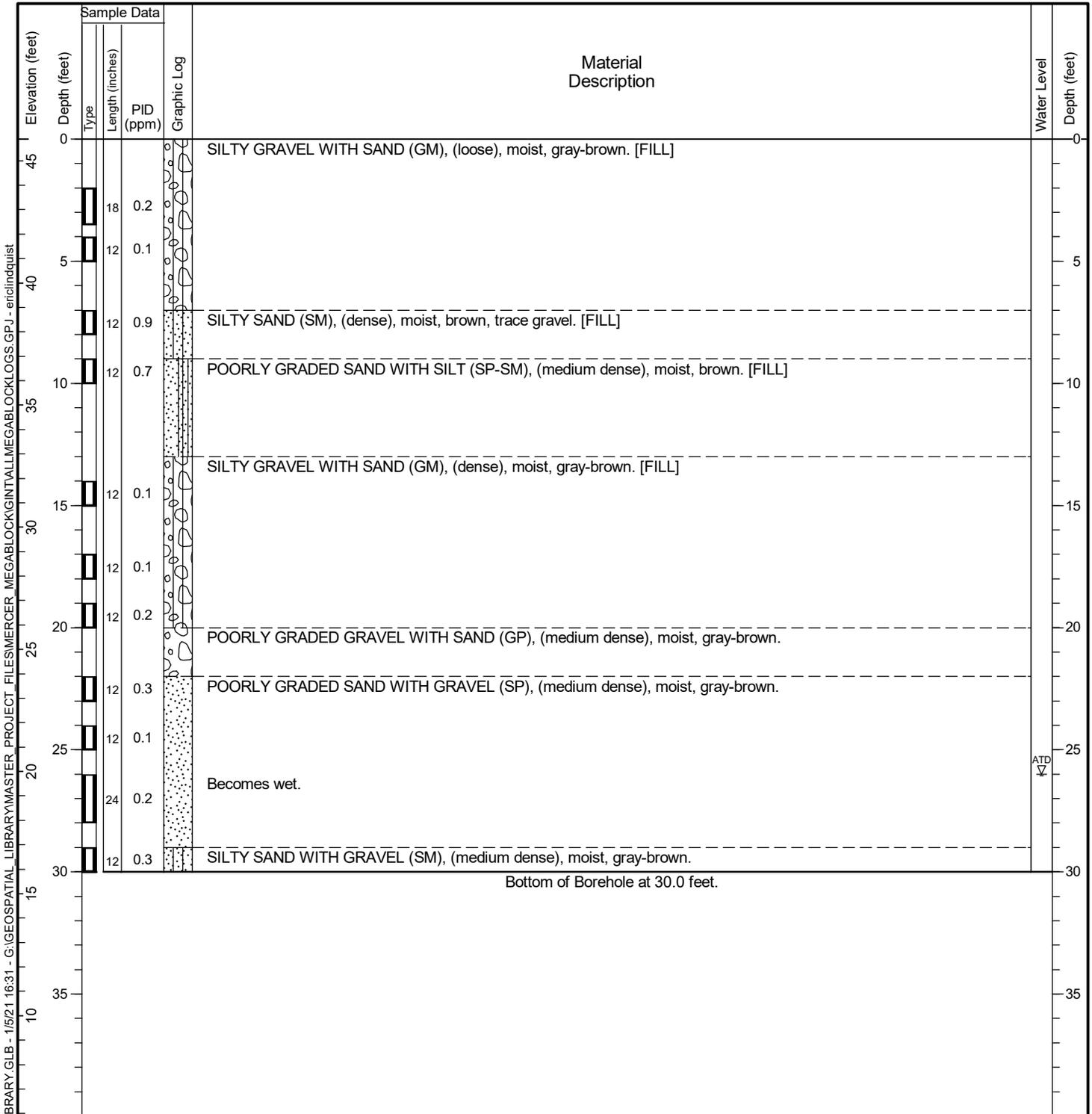
General Notes:

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 - F:\GINT\HC LIBRARY\GLB - 1/5/21 16:31 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCK LOGS.GPJ - ericindquist

Public Review Draft

Date Started: <u>3/6/19</u>	Date Completed: <u>3/6/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. McDonald/B. Dozier</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: _____
Location: <u>Lat: 47.624926 Long: -122.340622 (WGS 84)</u>		Rig Model/Type: <u>GeoProbe / PP</u>
Ground Surface Elevation: <u>45.89 feet (NAVD 88)</u>		Hammer Type: _____
Comments: _____		Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: _____ Casing Diameter: <u>NA</u>
		Total Depth: <u>30 feet</u> Depth to Groundwater: <u>26 feet</u>

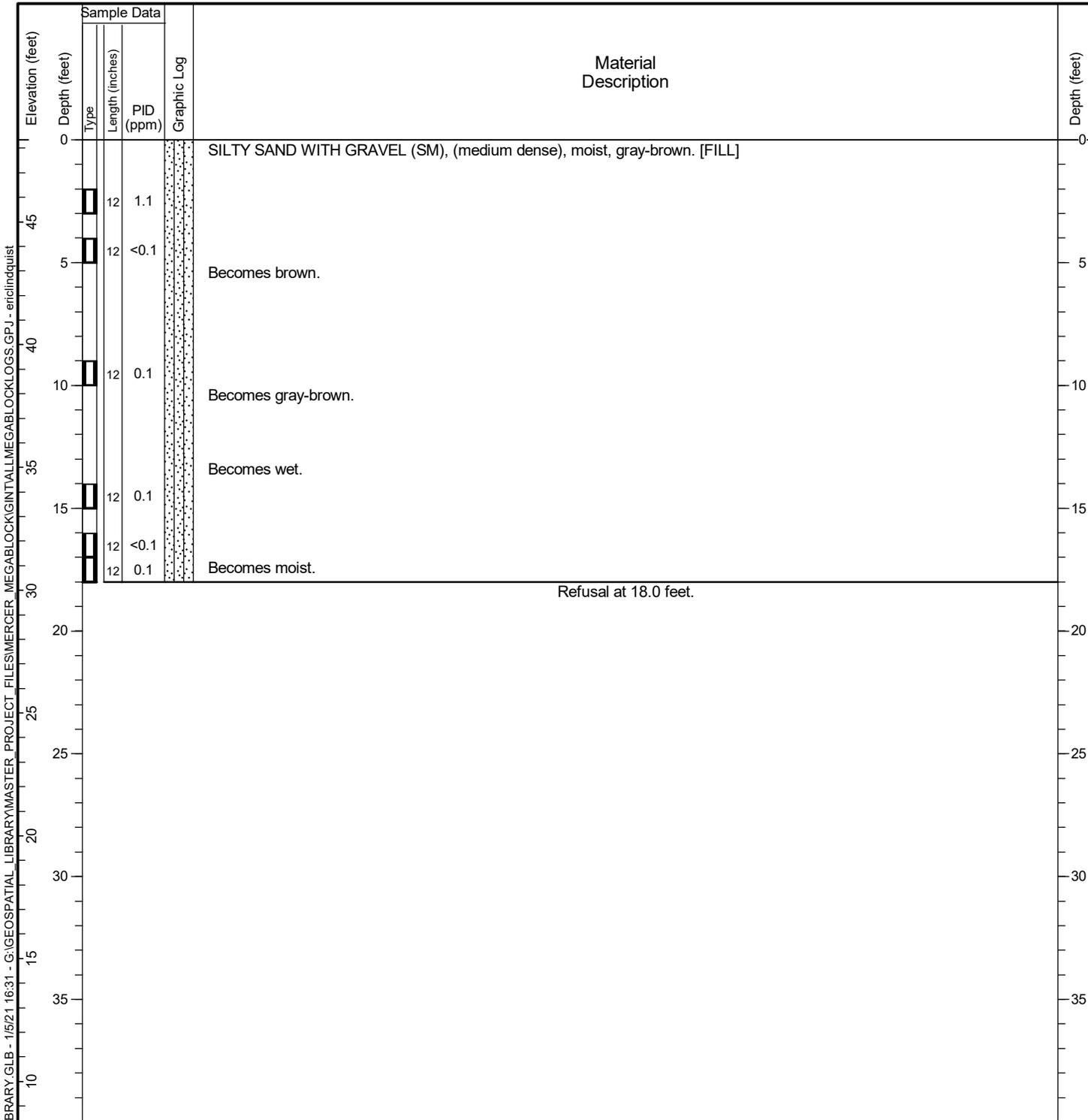


General Notes:

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.

Public Review Draft

Date Started: <u>3/7/19</u>	Date Completed: <u>3/7/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. McDonald/B. Dozier</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: _____
Location: <u>Lat: 47.624991 Long: -122.340944 (WGS 84)</u>	Rig Model/Type: <u>GeoProbe / PP</u>	Hammer Type: _____
Ground Surface Elevation: <u>48.34 feet (NAVD 88)</u>	Hammer Weight (pounds): _____	Hammer Drop Height (inches): _____
Comments: _____	Measured Hammer Efficiency (%): <u>Not Available</u>	Hole Diameter: _____
	Casing Diameter: <u>NA</u>	Total Depth: <u>18 feet</u>
	Depth to Groundwater: <u>Not Identified</u>	



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.



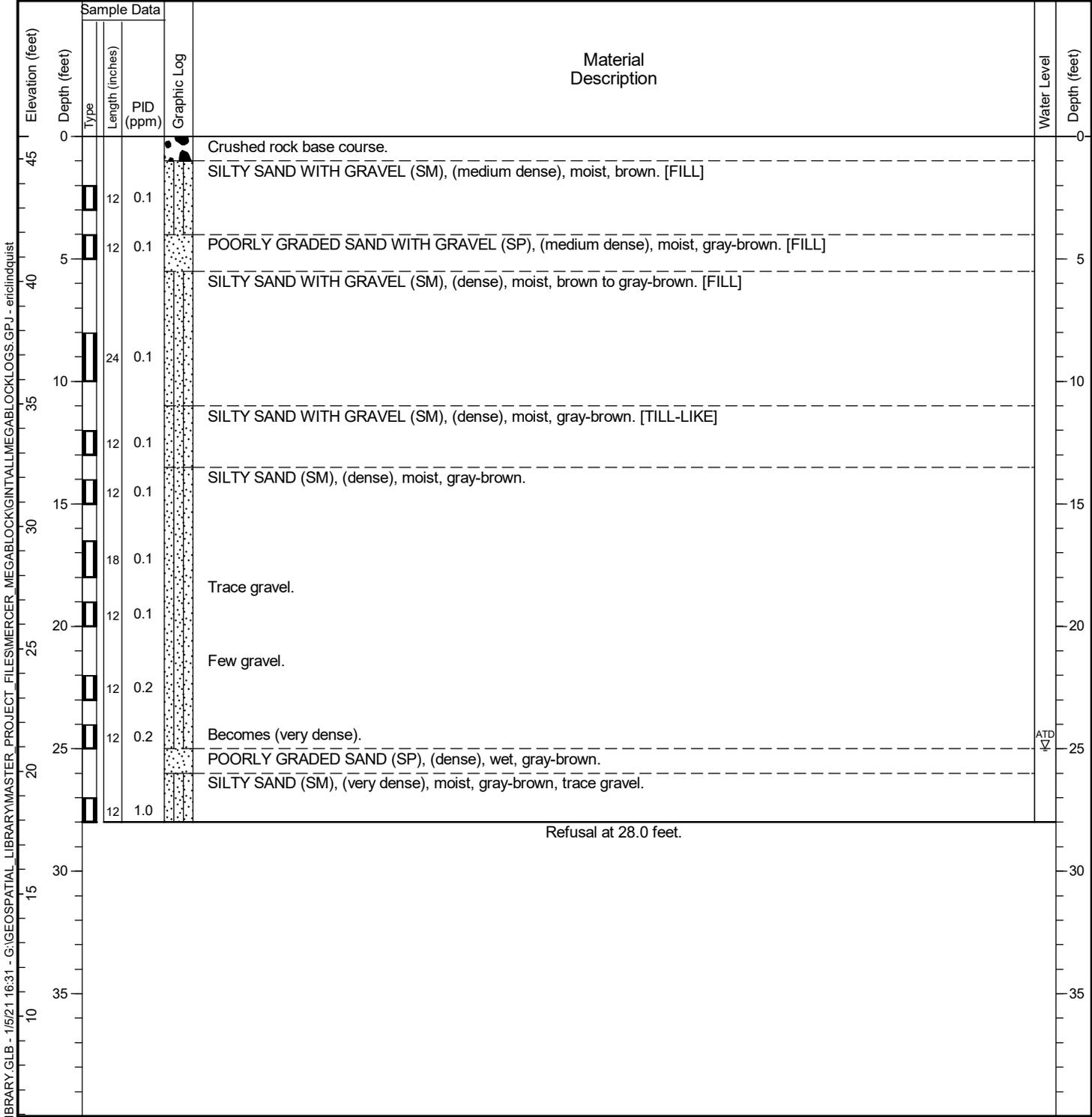
Project: Seattle DOT Dexter Parcel Site
 Location: Seattle, Washington
 Project No.: 19409-04

Push Probe Log
MBPP-4

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

Public Review Draft

Date Started: <u>3/7/19</u>	Date Completed: <u>3/7/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. McDonald/B. Dozier</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: _____
Location: <u>Lat: 47.625274 Long: -122.340849 (WGS 84)</u>		Rig Model/Type: <u>GeoProbe / PP</u>
Ground Surface Elevation: <u>45.92 feet (NAVD 88)</u>		Hammer Type: _____
Comments: _____		Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: <u>NA</u>
		Total Depth: <u>28 feet</u> Depth to Groundwater: <u>25 feet</u>



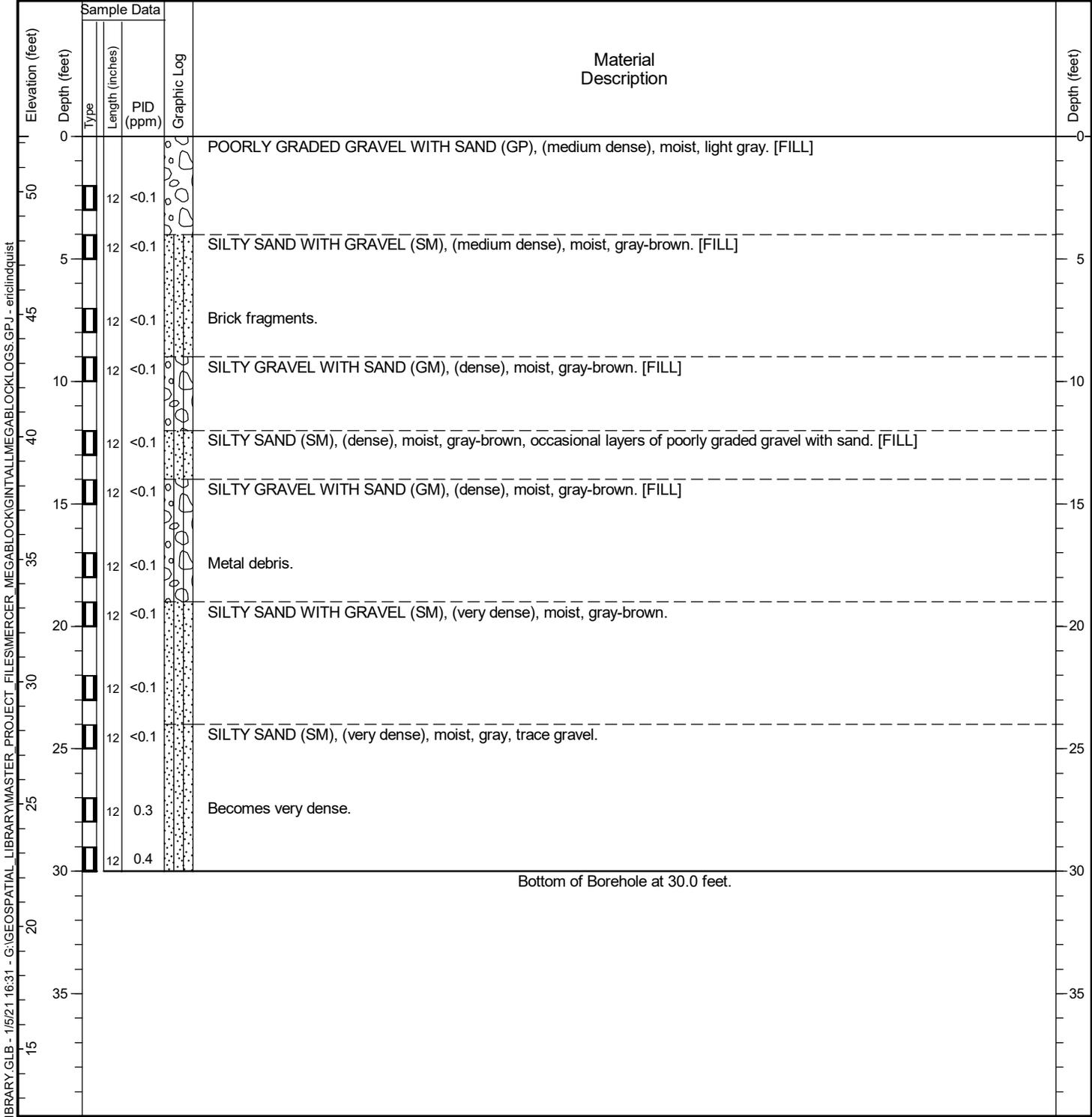
General Notes:

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 - F:\GINT\HC LIBRARY.GLB - 1/5/21 16:31 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCKS.GPJ - ericindquist

Public Review Draft

Date Started: <u>3/8/19</u>	Date Completed: <u>3/8/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. McDonald/B. Dozier</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: _____
Location: <u>Lat: 47.624946 Long: -122.341341 (WGS 84)</u>		Rig Model/Type: <u>GeoProbe / PP</u>
Ground Surface Elevation: <u>52.26 feet (NAVD 88)</u>		Hammer Type: _____
Comments: _____		Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: _____ Casing Diameter: <u>NA</u>
		Total Depth: <u>30 feet</u> Depth to Groundwater: <u>Not Identified</u>

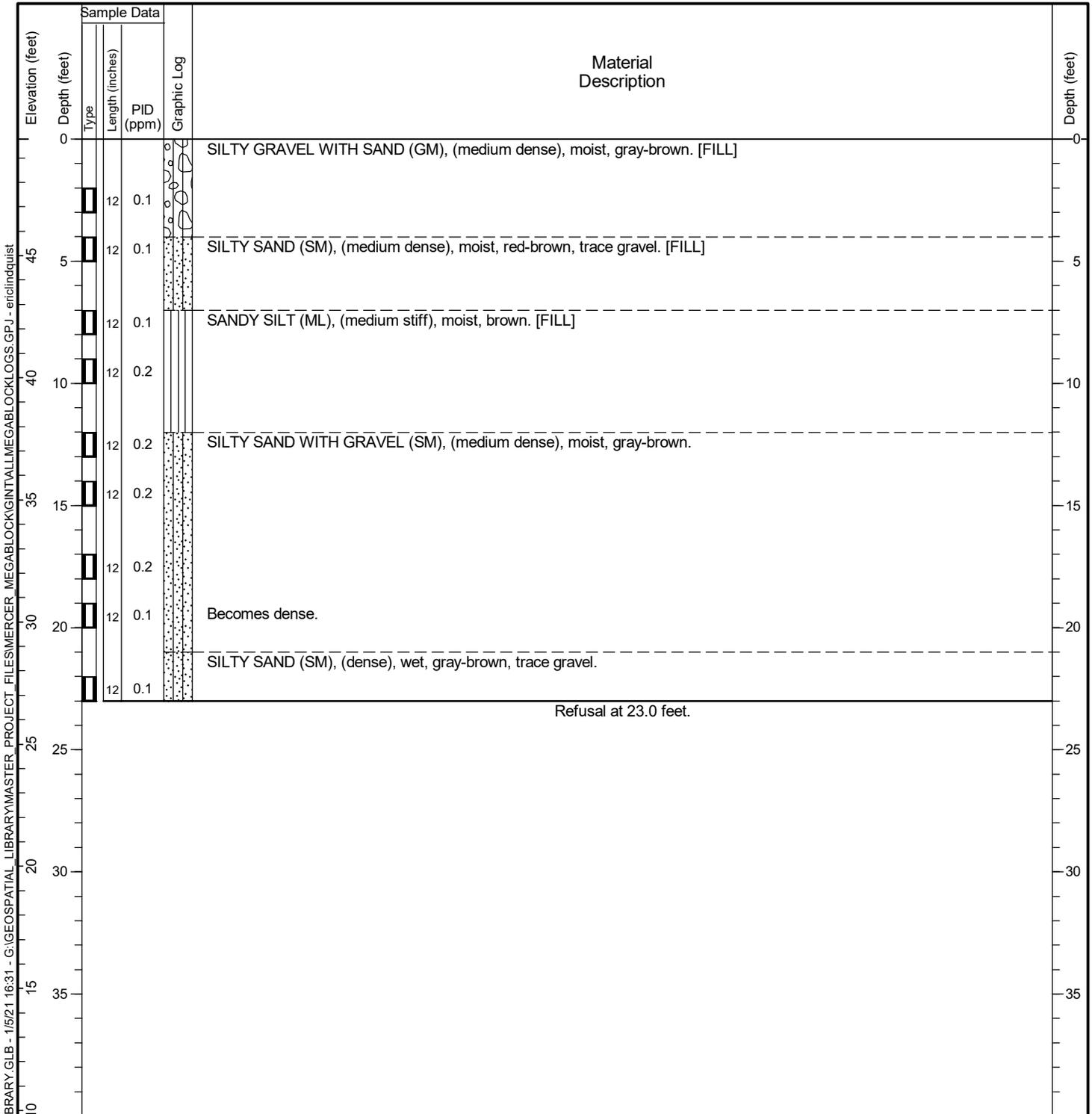


General Notes:

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.

Public Review Draft

Date Started: <u>3/8/19</u>	Date Completed: <u>3/8/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. McDonald/B. Dozier</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: _____
Location: <u>Lat: 47.625276 Long: -122.341425 (WGS 84)</u>		Rig Model/Type: <u>GeoProbe / PP</u>
Ground Surface Elevation: <u>49.77 feet (NAVD 88)</u>		Hammer Type: _____
Comments: _____		Hammer Weight (pounds): _____ Hammer Drop Height (inches): _____
_____		Measured Hammer Efficiency (%): <u>Not Available</u>
_____		Hole Diameter: _____ Casing Diameter: <u>NA</u>
_____		Total Depth: <u>23 feet</u> Depth to Groundwater: <u>Not Identified</u>



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.



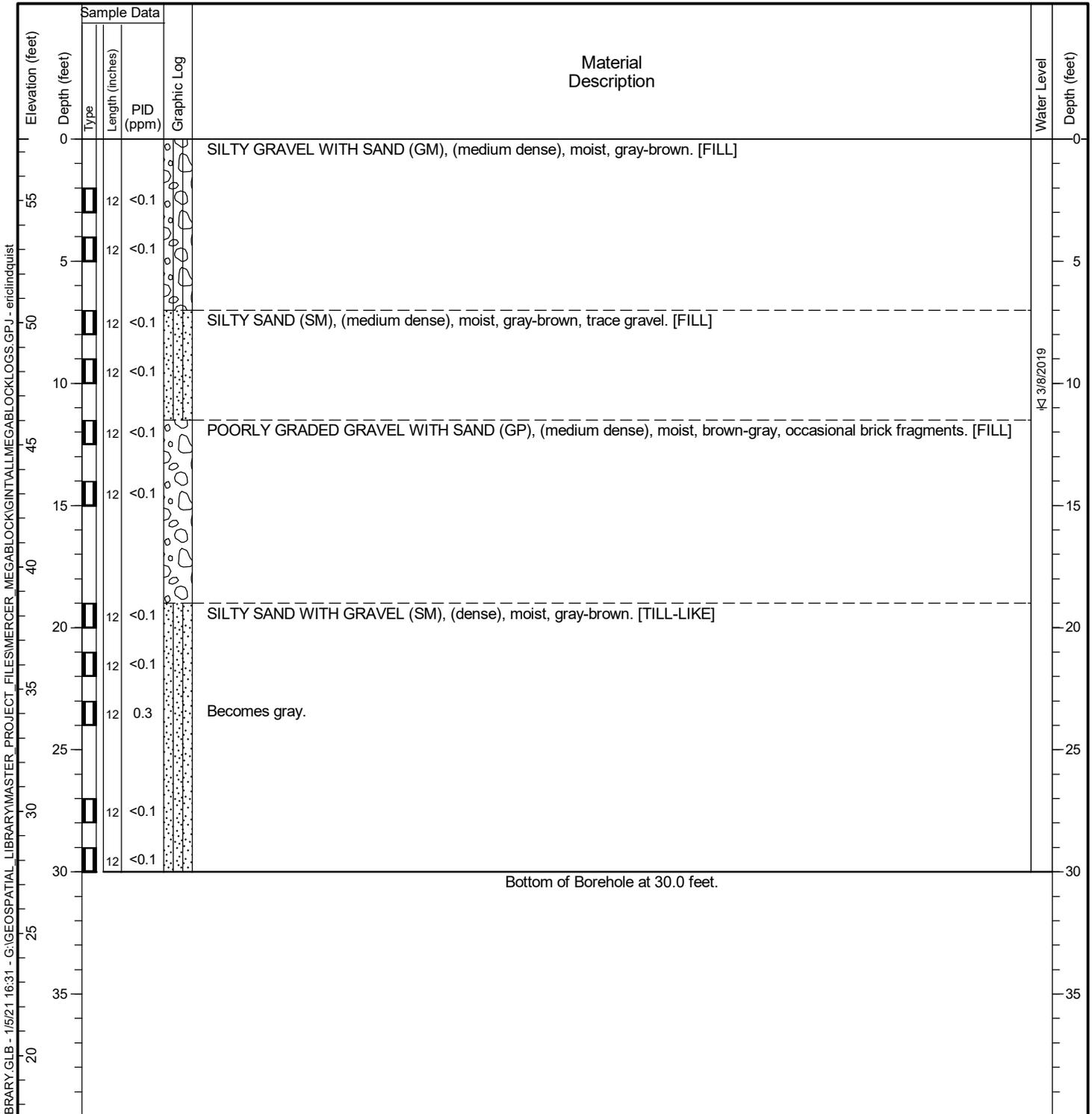
Project: Seattle DOT Dexter Parcel Site
 Location: Seattle, Washington
 Project No.: 19409-04

Push Probe Log
MBPP-7

Figure **A1-50**
 Sheet **1 of 1**

Public Review Draft

Date Started: <u>3/8/19</u>	Date Completed: <u>3/8/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>B. McDonald/B. Dozier</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: _____
Location: <u>Lat: 47.624894 Long: -122.341928 (WGS 84)</u>	Rig Model/Type: <u>GeoProbe / PP</u>	Hammer Type: _____
Ground Surface Elevation: <u>57.52 feet (NAVD 88)</u>	Hammer Weight (pounds): _____	Hammer Drop Height (inches): _____
Comments: _____	Measured Hammer Efficiency (%): <u>Not Available</u>	Hole Diameter: _____
	Casing Diameter: <u>NA</u>	Total Depth: <u>30 feet</u>
	Depth to Groundwater: <u>11 feet</u>	

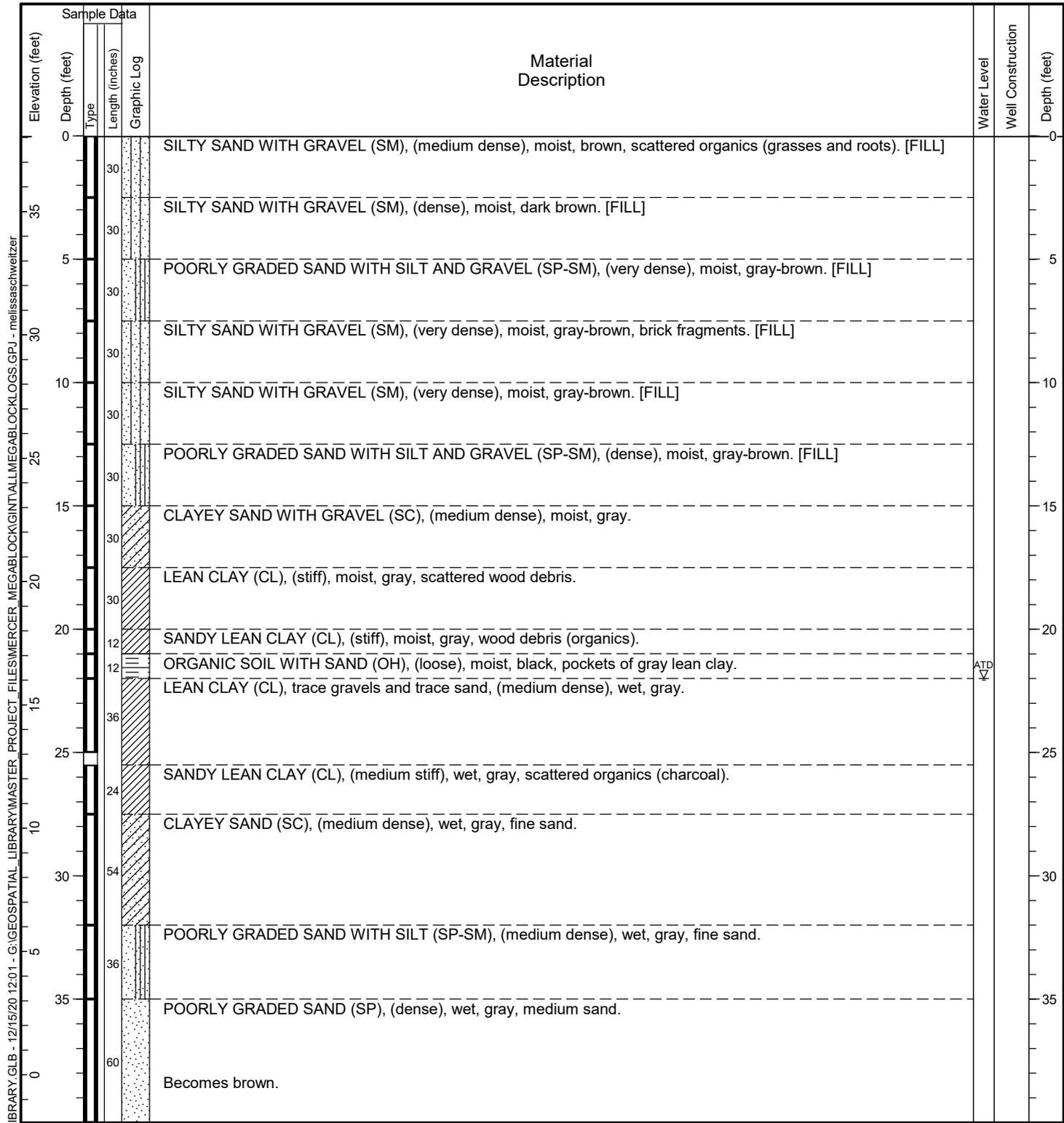


General Notes:

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.

Public Review Draft

Date Started: 3/4/19	Date Completed: 3/4/19	Contractor/Crew: Holt Services, Inc.
Logged by: K. Huddleston	Checked by: C. Kroskie	Rig Model/Type: Sonic
Location: Lat: 47.625066 Long: -122.339974 ()	Hole Diameter: 2 inches	Casing Diameter:
Ground Surface Elevation: 38.07 feet (NAVD88)	Total Depth: 90 feet	Depth to Groundwater: 22 feet
Comments: Well Tag ID: BLI197		



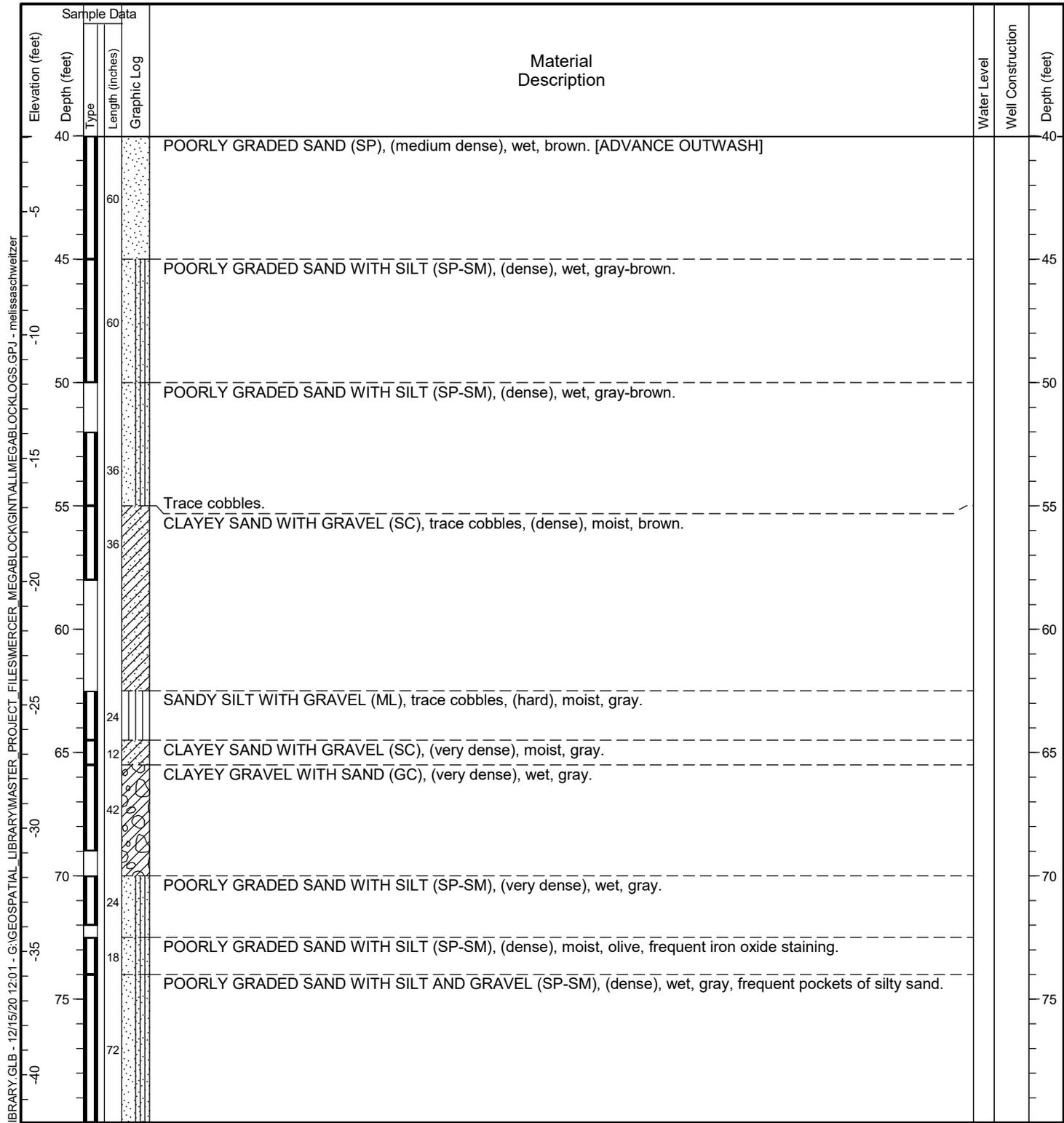
HC PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:01 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

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.

Public Review Draft

Date Started: <u>3/4/19</u>	Date Completed: <u>3/4/19</u>	Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>K. Huddleston</u>	Checked by: <u>C. Kroskie</u>	Rig Model/Type: <u>Sonic</u>
Location: <u>Lat: 47.625066 Long: -122.339974 ()</u>	Hole Diameter: <u>2 inches</u>	Casing Diameter: _____
Ground Surface Elevation: <u>38.07 feet (NAVD88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>22 feet</u>
Comments: <u>Well Tag ID: BLI197</u>		



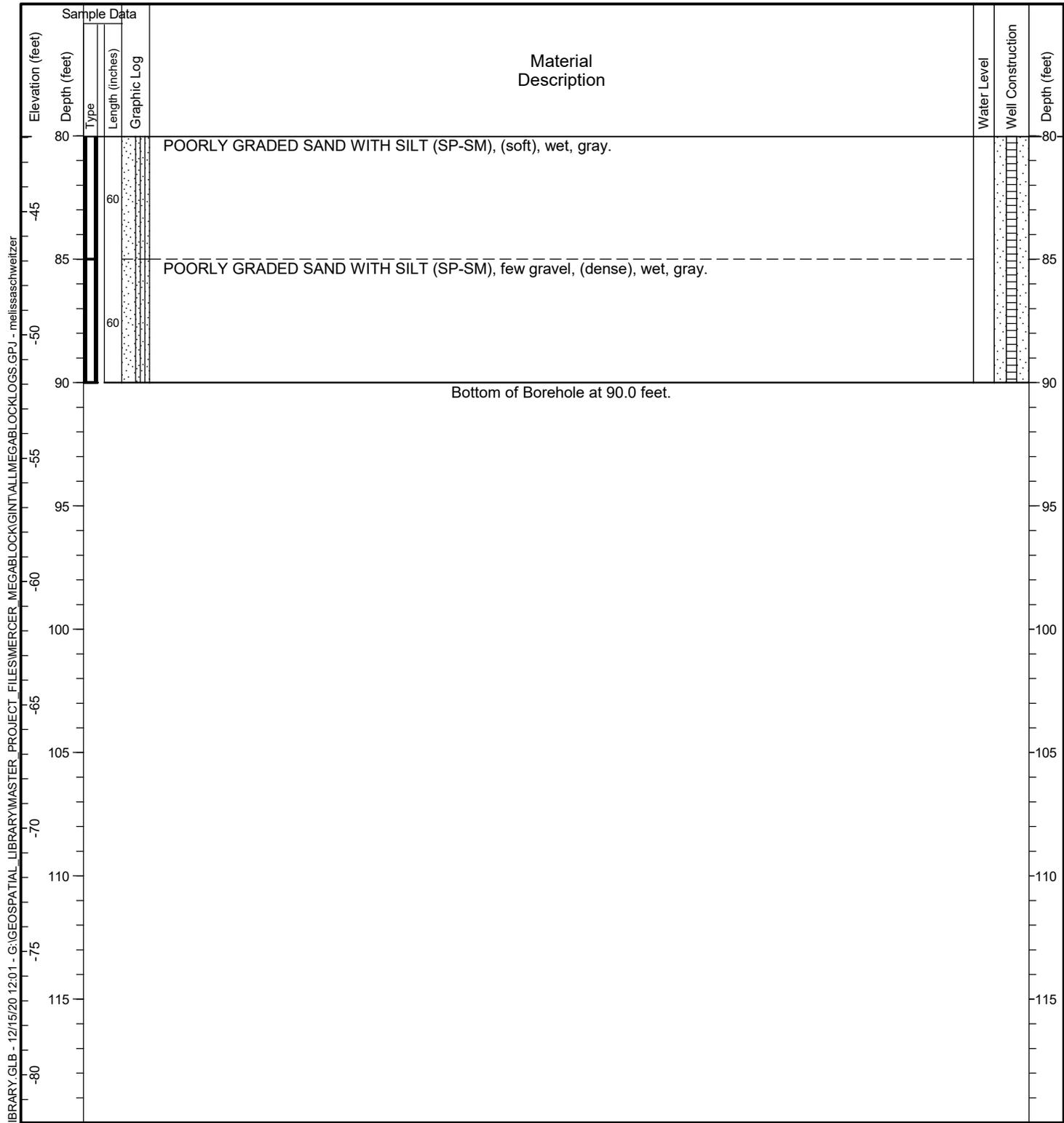
General Notes:

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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:01 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: <u>3/4/19</u>	Date Completed: <u>3/4/19</u>	Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>K. Huddleston</u>	Checked by: <u>C. Kroskie</u>	Rig Model/Type: <u>Sonic</u>
Location: <u>Lat: 47.625066 Long: -122.339974 ()</u>	Hole Diameter: <u>2 inches</u>	Casing Diameter: _____
Ground Surface Elevation: <u>38.07 feet (NAVD88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>22 feet</u>
Comments: <u>Well Tag ID: BLI197</u>		



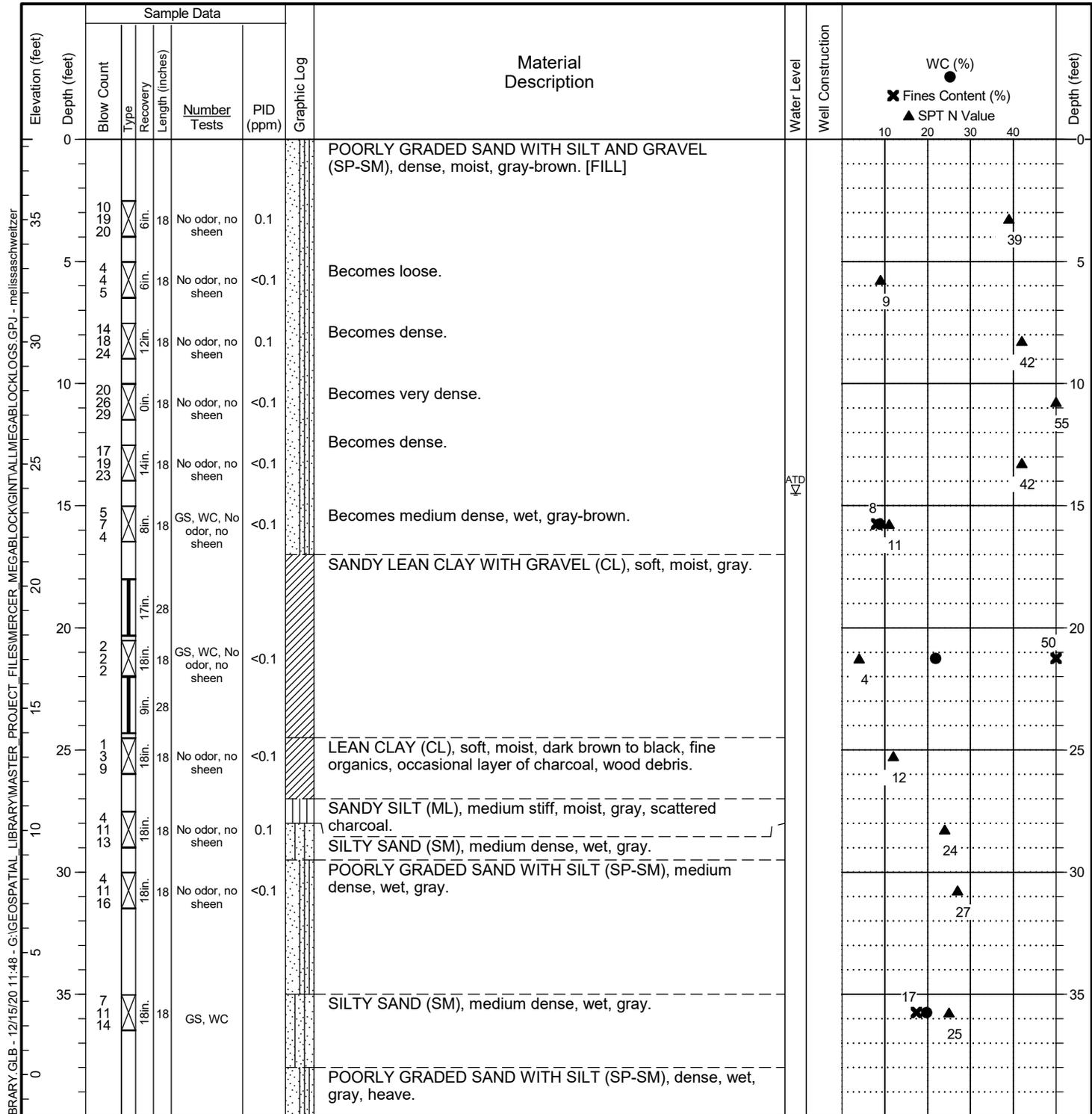
General Notes:

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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:01 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

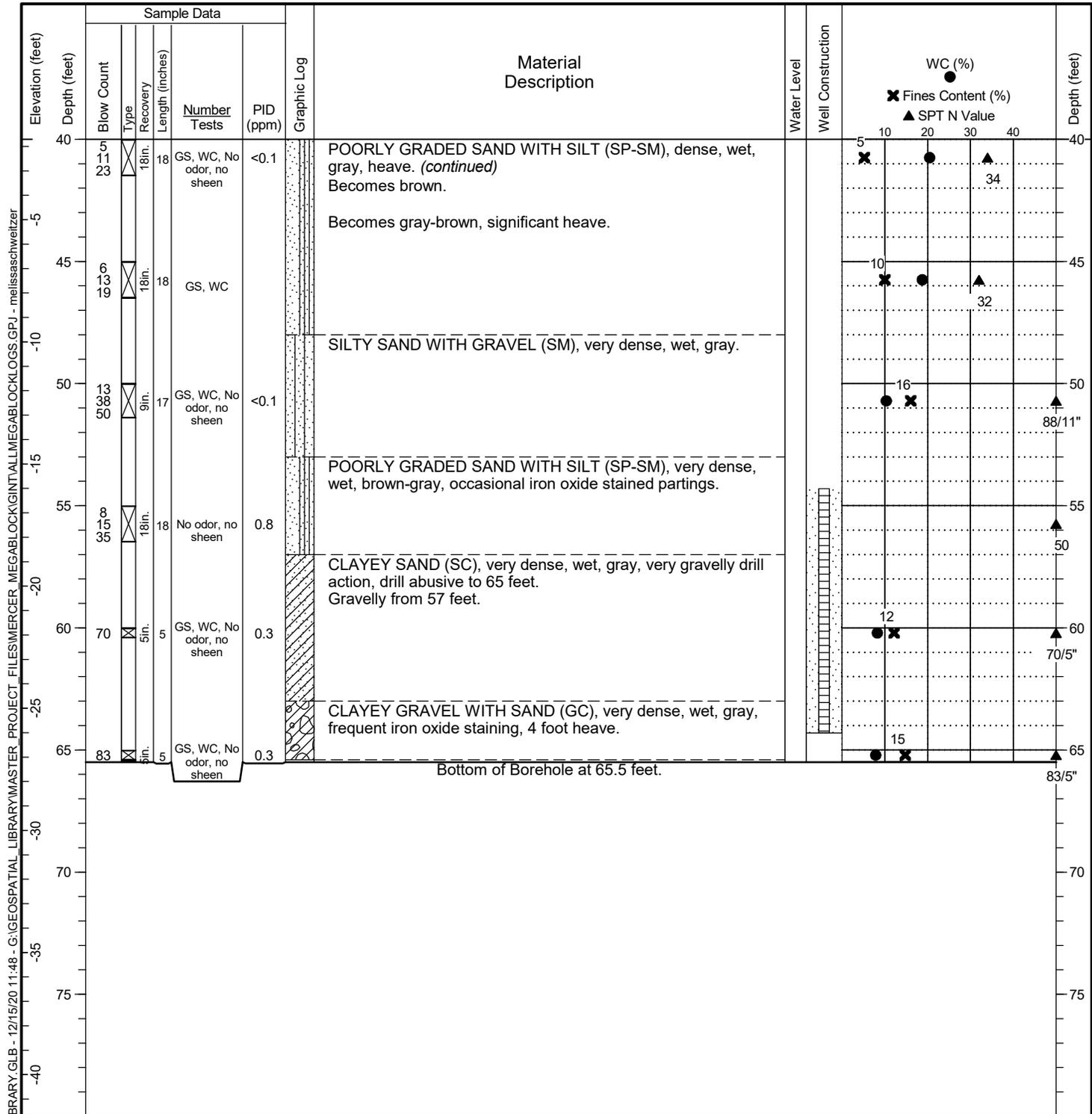
Date Started: 3/12/19	Date Completed: 3/13/19	Drilling Contractor/Crew: Holt Services, Inc.
Logged by: N. Jones/B. McDonald	Checked by: C. Kroskie	Drilling Method: Hollow Stem Auger
Location: Lat: 47.625097 Long: -122.339991		Rig Model/Type: Sonic
Ground Surface Elevation: 38.29 feet (NAVD88)		Hammer Type: Auto-hammer
Comments: Well Tag ID: BLR917		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches Casing Diameter: _____
		Total Depth: 65.5 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.

Public Review Draft

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: 47.625097 Long: -122.339991		Rig Model/Type: Sonic
Ground Surface Elevation: 38.29 feet (NAVD88)		Hammer Type: Auto-hammer
Comments: Well Tag ID: BLR917		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches Casing Diameter:
		Total Depth: 65.5 feet Depth to Groundwater: 14.5 feet

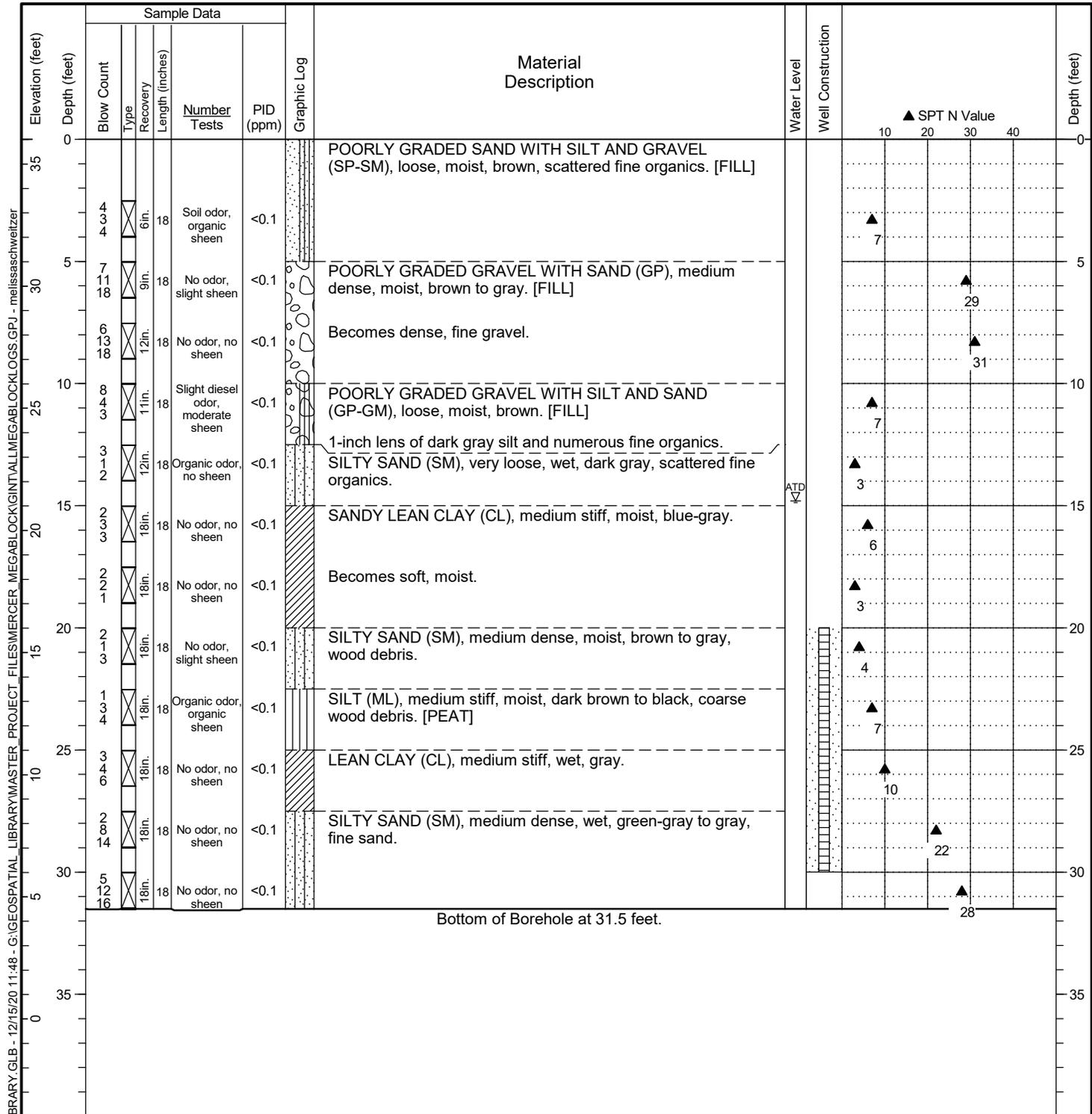


General Notes:

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

Public Review Draft

Date Started: <u>3/6/19</u>	Date Completed: <u>3/6/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>C. McCabe</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.625125 Long: -122.339937</u>		Rig Model/Type: <u>HSA</u>
Ground Surface Elevation: <u>36.01 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: <u>Well Tag ID: BLI532</u>		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: _____
		Total Depth: <u>31.5 feet</u> Depth to Groundwater: <u>14.8 feet</u>



Bottom of Borehole at 31.5 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.

Public Review Draft

Date Started: <u>3/5/19</u>	Date Completed: <u>3/6/19</u>	Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>K. Huddleston</u>	Checked by: <u>C. Kroskie</u>	Rig Model/Type: <u>Sonic</u>
Location: <u>Lat: 47.625104 Long: -122.340832 ()</u>	Hole Diameter: <u>2 inches</u>	Casing Diameter: _____
Ground Surface Elevation: <u>47.34 feet (NAVD88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>25 feet</u>
Comments: <u>Well Tag ID: BLI198</u>		

Elevation (feet)	Depth (feet)	Sample Data			Graphic Log	Material Description	Water Level	Well Construction	Depth (feet)
		Type	Length (inches)	Number Tests					
0	0							0	
45	45	60		No odor, no sheen	<0.1				
5	5							5	
40	40	60		No odor, no sheen	<0.1				
10	10							10	
35	35	60		No odor, no sheen	<0.1				
15	15							15	
30	30	60		No odor, no sheen	<0.1				
20	20							20	
25	25	48		No odor, no sheen	<0.1				
25	25	24		No odor, no sheen	<0.1		ATD	25	
20	20	48		No odor, no sheen	<0.1				
30	30							30	
15	15	60		No odor, no sheen	<0.1				
35	35							35	
10	10	24		No odor, no sheen	1.3				
		18							

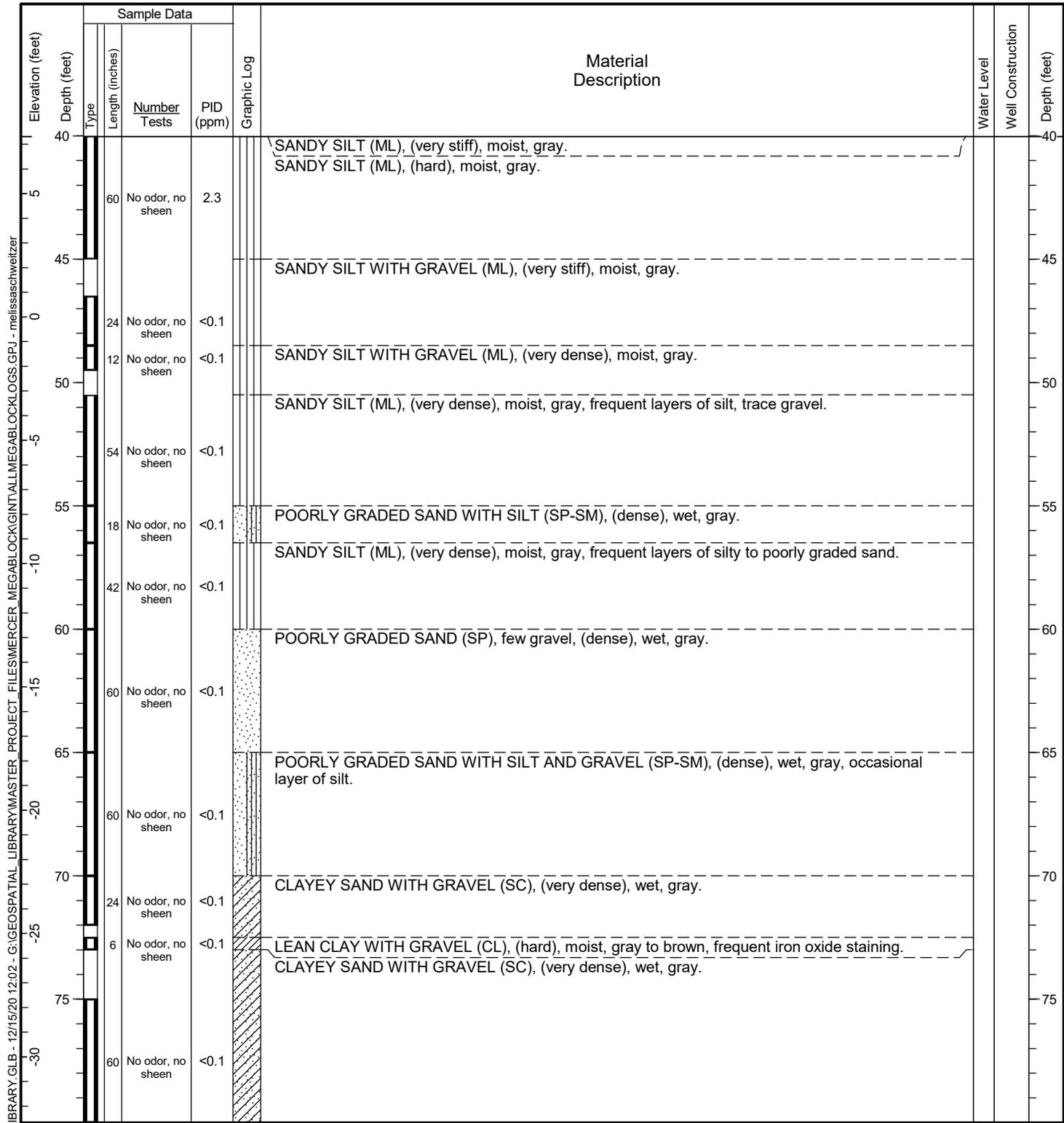
General Notes:

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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:02 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: 3/5/19	Date Completed: 3/6/19	Contractor/Crew: Holt Services, Inc.
Logged by: K. Huddleston	Checked by: C. Kroskie	Rig Model/Type: Sonic
Location: Lat: 47.625104 Long: -122.340832 ()	Hole Diameter: 2 inches	Casing Diameter:
Ground Surface Elevation: 47.34 feet (NAVD88)	Total Depth: 90 feet	Depth to Groundwater: 25 feet
Comments: Well Tag ID: BLI198		

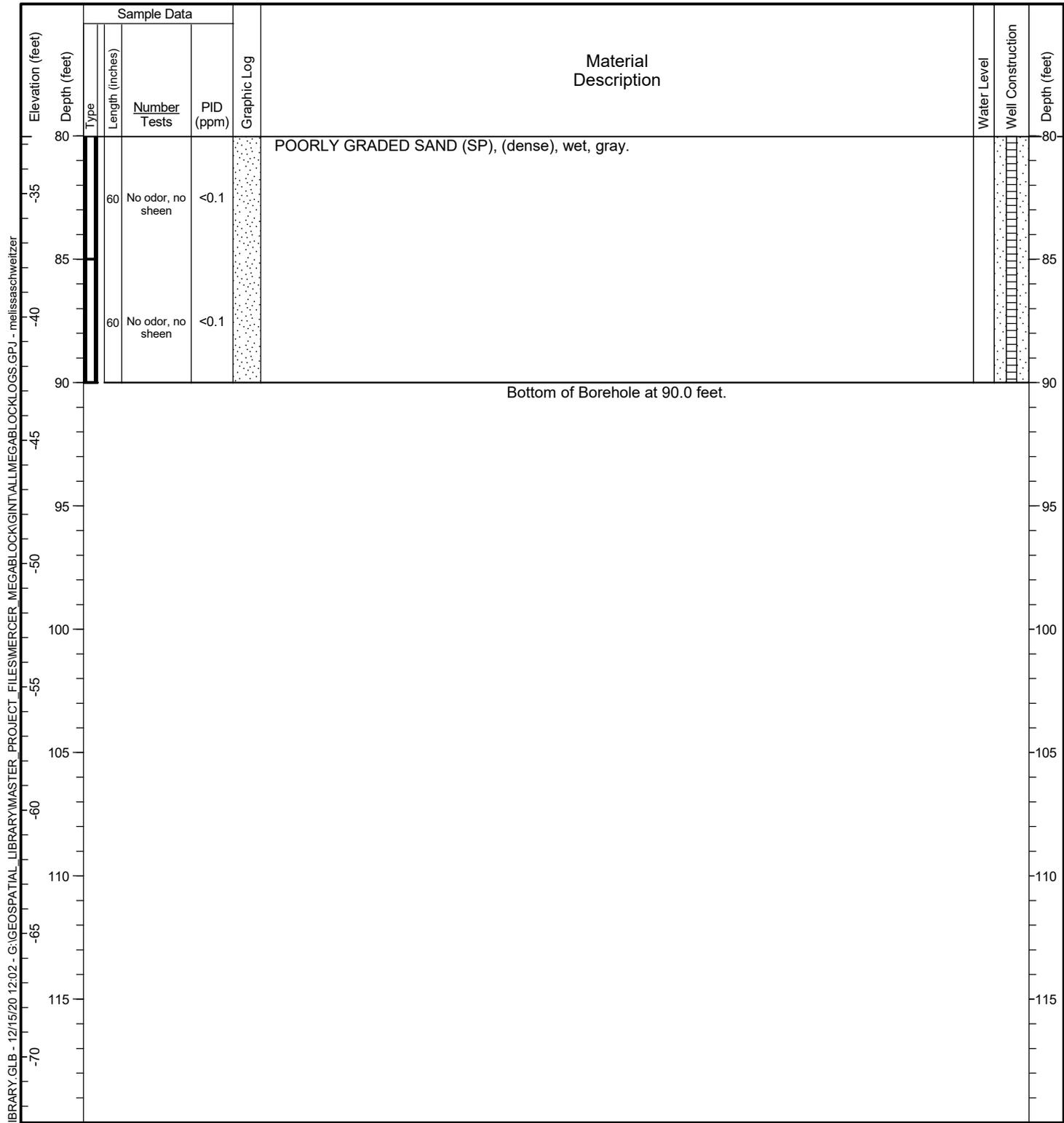


General Notes:

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.

Public Review Draft

Date Started: <u>3/5/19</u>	Date Completed: <u>3/6/19</u>	Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>K. Huddleston</u>	Checked by: <u>C. Kroskie</u>	Rig Model/Type: <u>Sonic</u>
Location: <u>Lat: 47.625104 Long: -122.340832 ()</u>	Hole Diameter: <u>2 inches</u>	Casing Diameter: _____
Ground Surface Elevation: <u>47.34 feet (NAVD88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>25 feet</u>
Comments: <u>Well Tag ID: BLI198</u>		

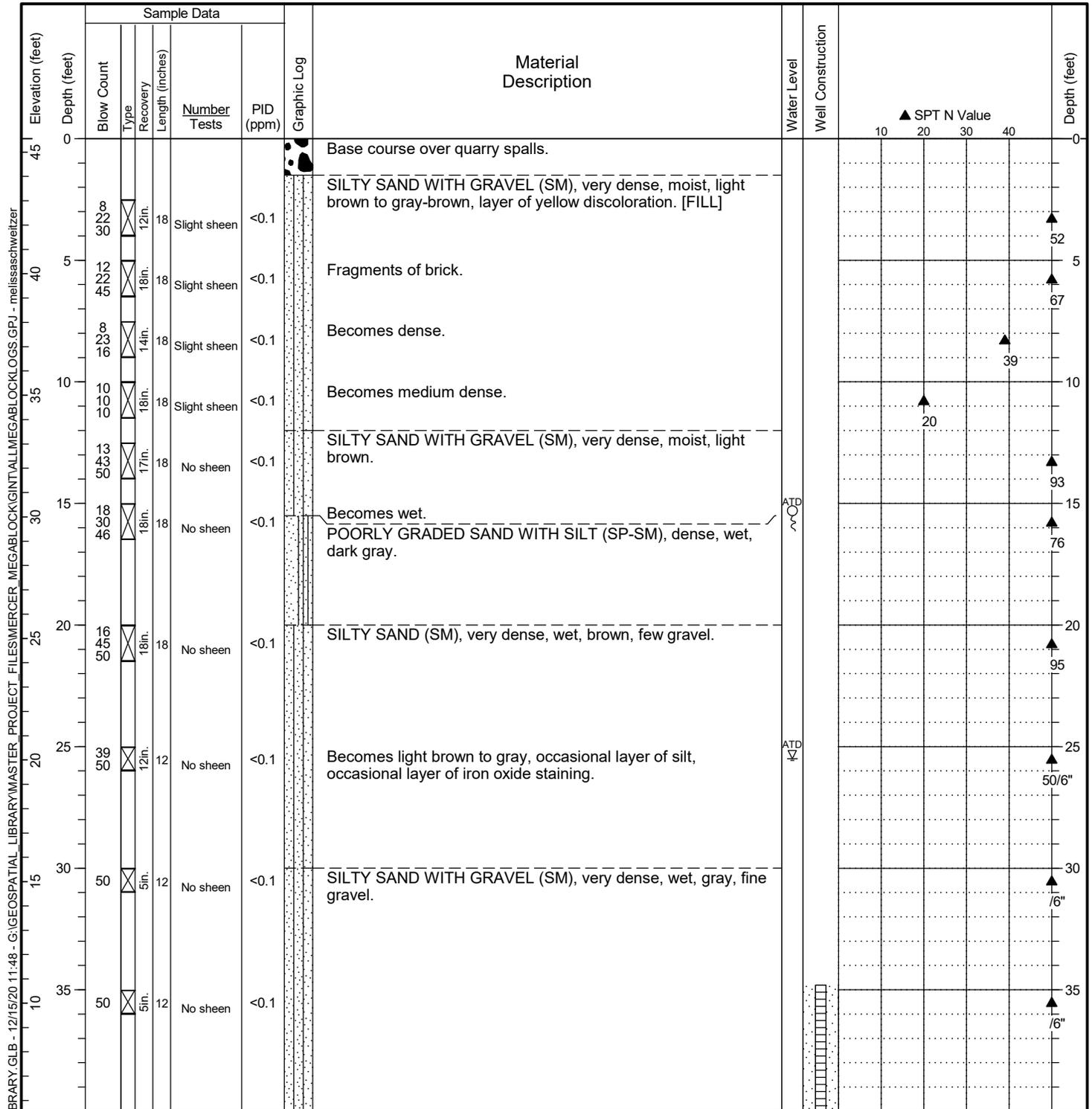


General Notes:

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 PUSH PROBE - F:\GINT\HC_LIBRARY.GLB - 12/15/20 12:02 - G:\GEO\SPATIAL_LIBRARY\MASTER_PROJECT_FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

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: 47.625068 Long: -122.340828		Rig Model/Type: HSA
Ground Surface Elevation: 45.55 feet (NAVD88)		Hammer Type: Auto-hammer
Comments: Well Tag ID: BLR922		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches 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.



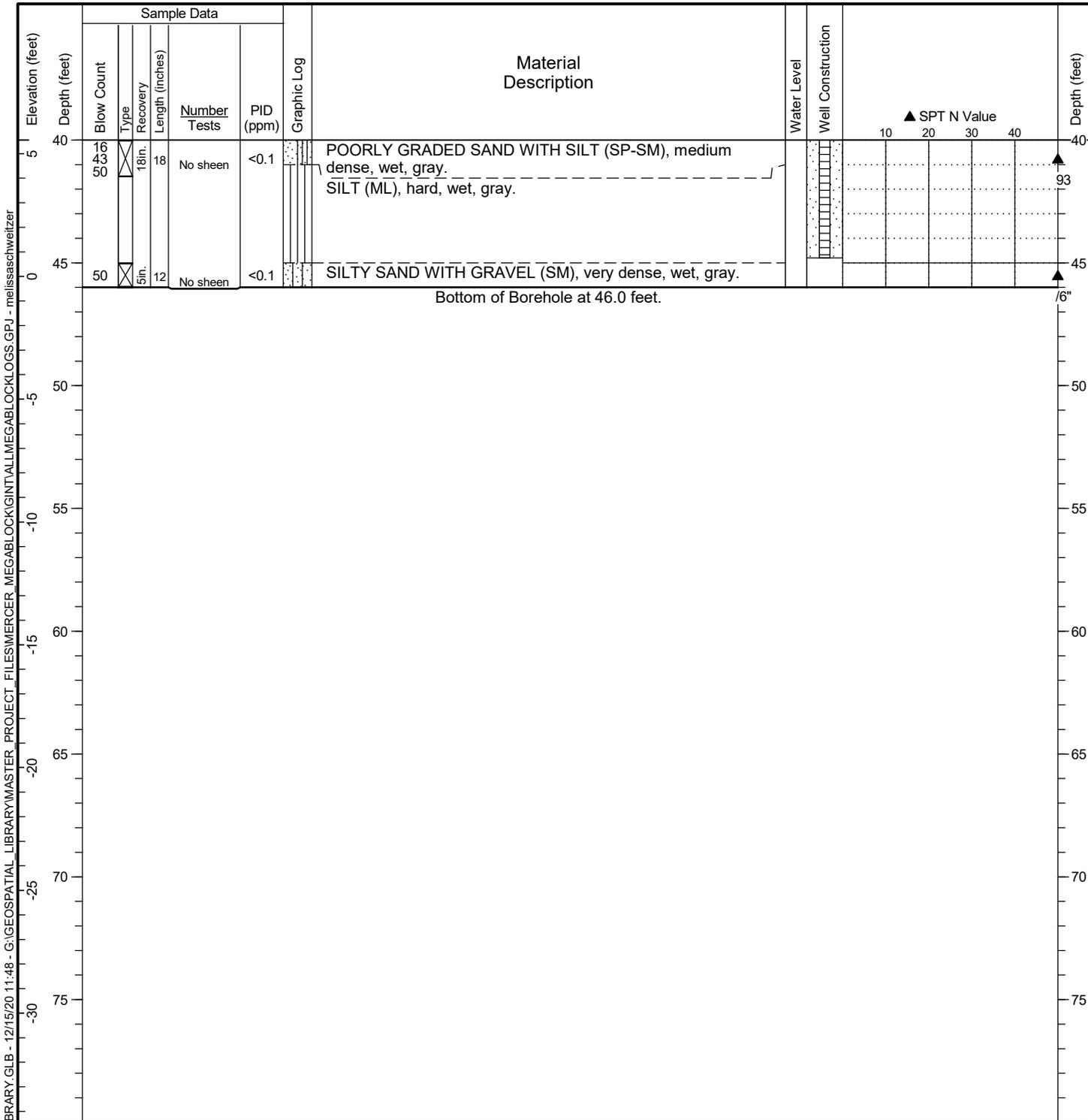
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
HMW-21A

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

Public Review Draft

Date Started: <u>3/8/19</u>	Date Completed: <u>3/8/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>C. Kroskie</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.625068 Long: -122.340828</u>		Rig Model/Type: <u>HSA</u>
Ground Surface Elevation: <u>45.55 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: <u>Well Tag ID: BLR922</u>		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: _____
		Total Depth: <u>46 feet</u> Depth to Groundwater: <u>25.5 feet</u>

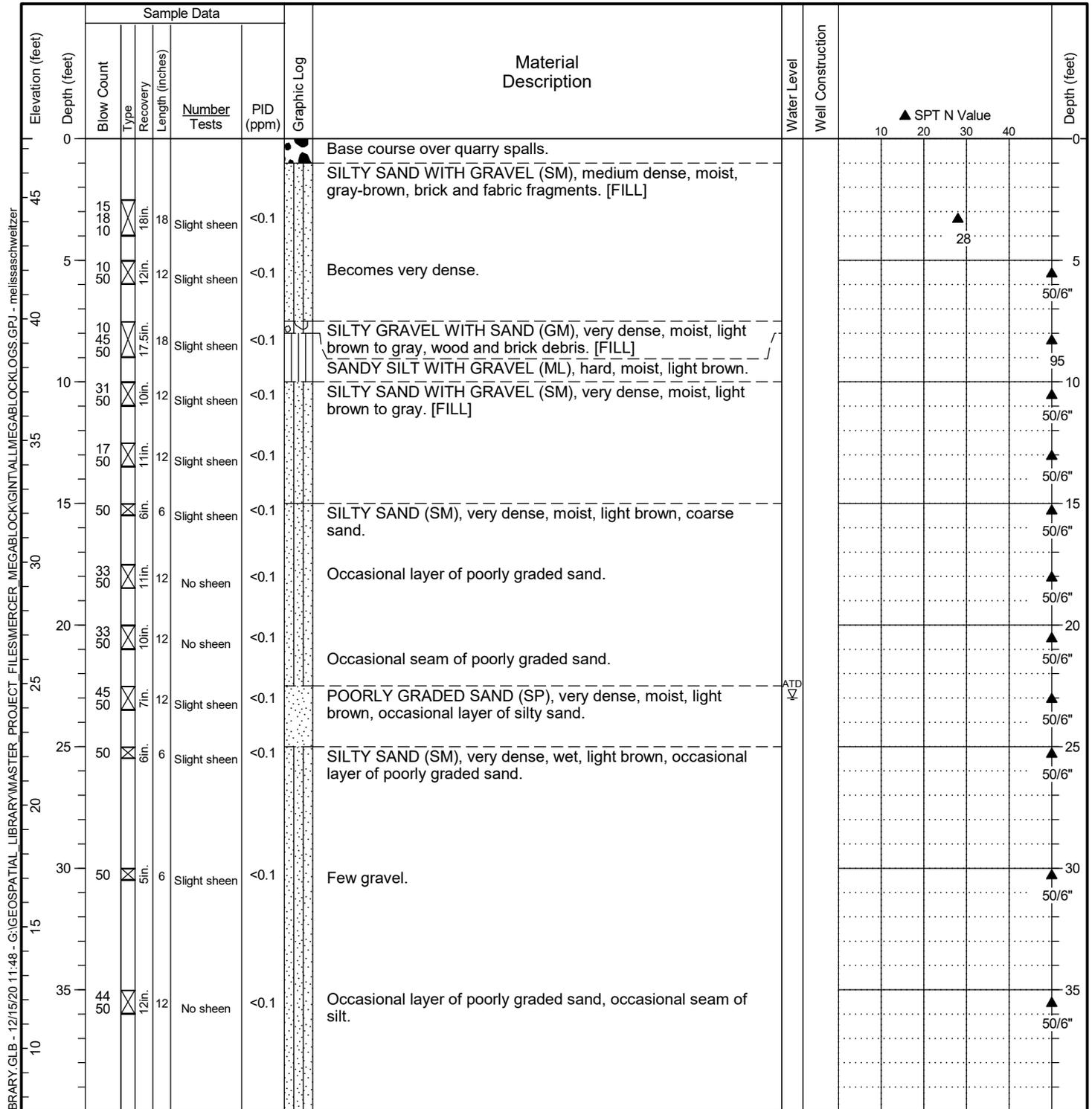


General Notes:

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.

Public Review Draft

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: 47.625085 Long: -122.340869		Rig Model/Type: HSA
Ground Surface Elevation: 47.41 feet (NAVD88)		Hammer Type: Auto-hammer
Comments: Well Tag ID: BLR923		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches Casing Diameter:
		Total Depth: 66.5 feet Depth to Groundwater: 23 feet

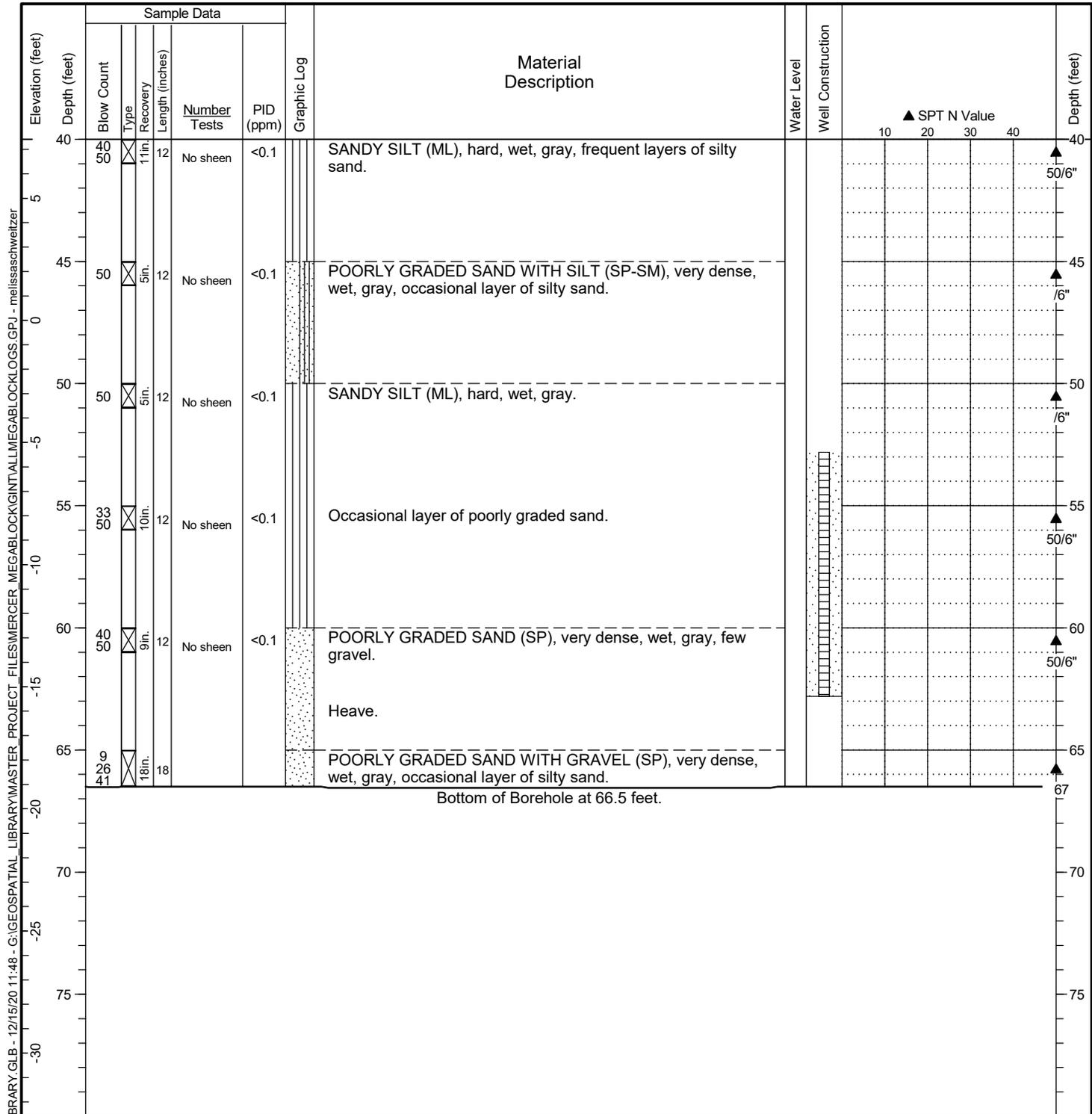


General Notes:

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.

Public Review Draft

Date Started: <u>3/12/19</u>	Date Completed: <u>3/12/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>C. Kroskie</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.625085 Long: -122.340869</u>		Rig Model/Type: <u>HSA</u>
Ground Surface Elevation: <u>47.41 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: <u>Well Tag ID: BLR923</u>		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: _____
		Total Depth: <u>66.5 feet</u> Depth to Groundwater: <u>23 feet</u>

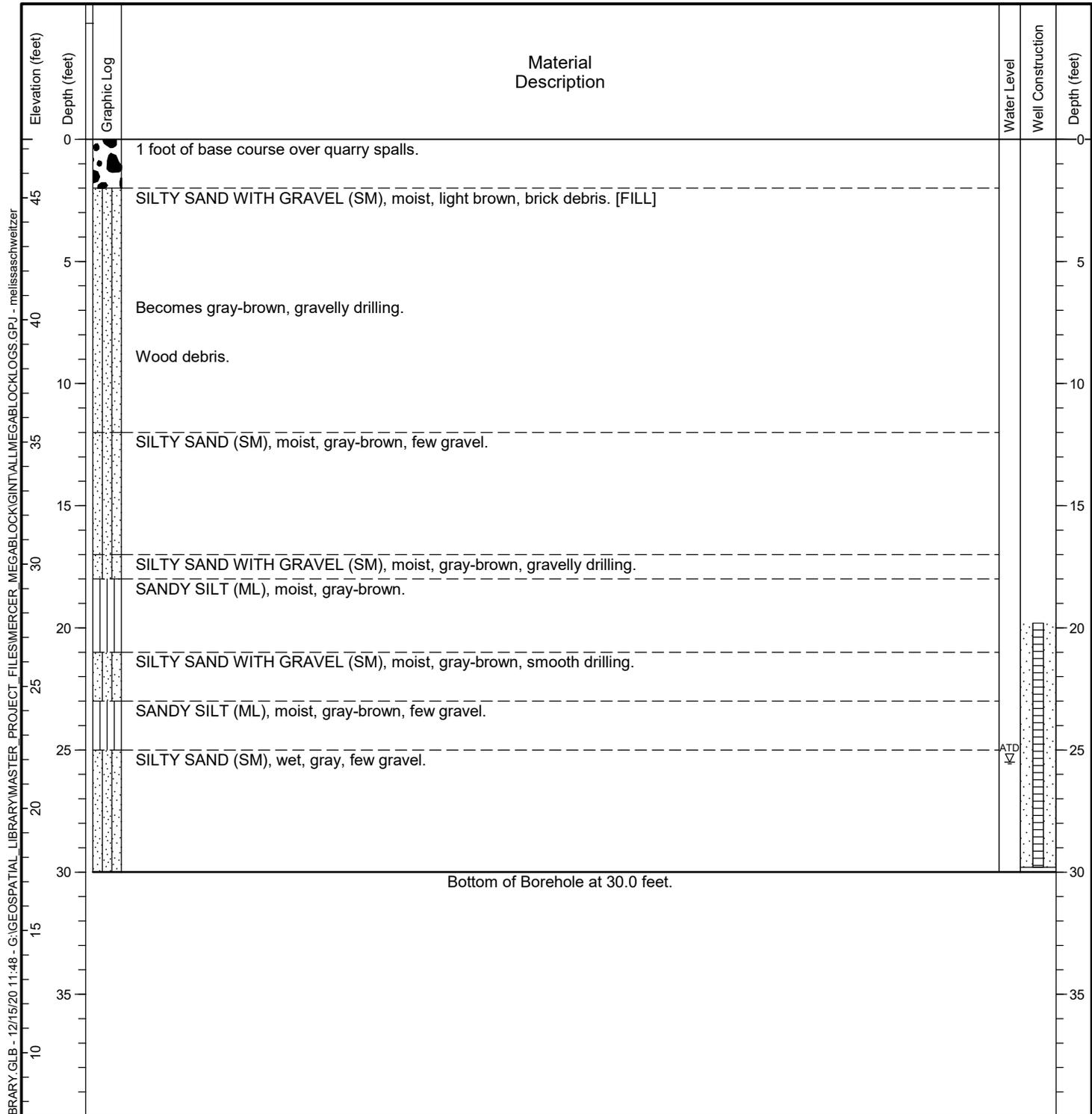


General Notes:

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.

Public Review Draft

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: 47.625125 Long: -122.340886		Rig Model/Type: HSA
Ground Surface Elevation: 47.39 feet (NAVD88)		Hammer Type: Auto-hammer
Comments: Well Tag ID: BLR924		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches 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: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
HMW-2S

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

Public Review Draft

Date Started: <u>3/6/19</u>	Date Completed: <u>3/6/19</u>	Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>K. Huddleston</u>	Checked by: <u>C. Kroskie</u>	Rig Model/Type: _____
Location: <u>Lat: 47.625133 Long: -122.341998 ()</u>	Hole Diameter: <u>2 inches</u>	Casing Diameter: _____
Ground Surface Elevation: <u>56.56 feet (NAVD88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>44 feet</u>
Comments: <u>Well Tag ID: BLI199</u>		

Elevation (feet)	Depth (feet)	Type	Length (inches)	Number Tests	PID (ppm)	Graphic Log	Material Description	Water Level	Well Construction	Depth (feet)
55	0						SILTY SAND WITH GRAVEL (SM), (medium dense), moist, brown. [FILL]			0
							Brick			
	5						SANDY SILT WITH GRAVEL (ML), (stiff), moist, brown.			5
							SILT (ML), (very stiff), moist, brown.			
	10						Occasional iron oxidation.			10
							SILTY SAND (SM), few gravel, (very dense), moist, gray-brown.			
	15						SILT WITH GRAVEL (ML), (hard), moist, gray-brown.			15
							Petroleum odor, slight sheen			
	20						SILTY SAND WITH GRAVEL (SM), (very dense), moist, gray-brown.			20
							Petroleum odor, slight sheen			
	25						SILTY SAND (SM), few gravel, (very dense), moist, gray-brown, occasional poorly graded sand seams.			25
							Petroleum odor, slight sheen			
	30						SILTY SAND WITH GRAVEL (SM), (very dense), moist to wet, gray, occasional sand layer.			30
							Petroleum odor, slight sheen			
	35						SILTY SAND (SM), (very dense), wet, gray-brown, few gravel.			35
							Petroleum odor, slight sheen			
	40						SILTY SAND (SM), few gravel, (very dense), wet, gray-brown.			40
							Petroleum odor, slight sheen			
	45						SILTY SAND (SM), few gravel, (very dense), wet, gray, frequent poorly graded sand layers.			45
							Petroleum odor, slight sheen			
	50									50
	55									55

HC PUSH PROBE - F:\GINT\HC_LIBRARY.GLB - 12/15/20 12:03 - G:\GOSPATIAL_LIBRARY\MASTER_PROJECT_FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

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.

Public Review Draft

Date Started: <u>3/6/19</u>	Date Completed: <u>3/6/19</u>	Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>K. Huddleston</u>	Checked by: <u>C. Kroskie</u>	Rig Model/Type: _____
Location: <u>Lat: 47.625133 Long: -122.341998 ()</u>	Hole Diameter: <u>2 inches</u>	Casing Diameter: _____
Ground Surface Elevation: <u>56.56 feet (NAVD88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>44 feet</u>
Comments: <u>Well Tag ID: BLI199</u>		

HC PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:03 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCK LOGS.GPJ - melissaschweitzer

Elevation (feet)	Depth (feet)	Sample Data				Graphic Log	Material Description	Water Level	Well Construction	Depth (feet)
		Type	Length (inches)	Number Tests	PID (ppm)					
40						SILTY SAND (SM), few gravel, (very dense), wet, gray, frequent poorly graded sand layers. <i>(continued)</i>			40	
15						Few cobbles present.				
45			24			POORLY GRADED SAND WITH SILT (SP-SM), (very dense), wet, gray, occasional silty sand seams.	ATD ▽		45	
10			12			SILT WITH SAND (ML), (hard), wet, gray.				
50			48			SILTY SAND WITH GRAVEL (SM), (very dense), wet, light brown, occasional seam of sand with coarse gravel.			50	
5			36			SILT WITH SAND (ML), (hard), moist, gray, coarse sand and few coarse gravel.				
55			48			SILTY SAND WITH GRAVEL (SM), (very dense), moist, gray, heave.				
0			48			Becomes light brown.				
60			48			SILTY SAND WITH GRAVEL (SM), (very dense), moist, gray.			60	
-5			12							
65			24			LEAN CLAY WITH SAND (CL), (hard), moist, gray.			65	
-10										
70									70	
-15										
75						POORLY GRADED SAND WITH SILT (SP-SM), (very dense), moist, gray.			75	
-20										

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.



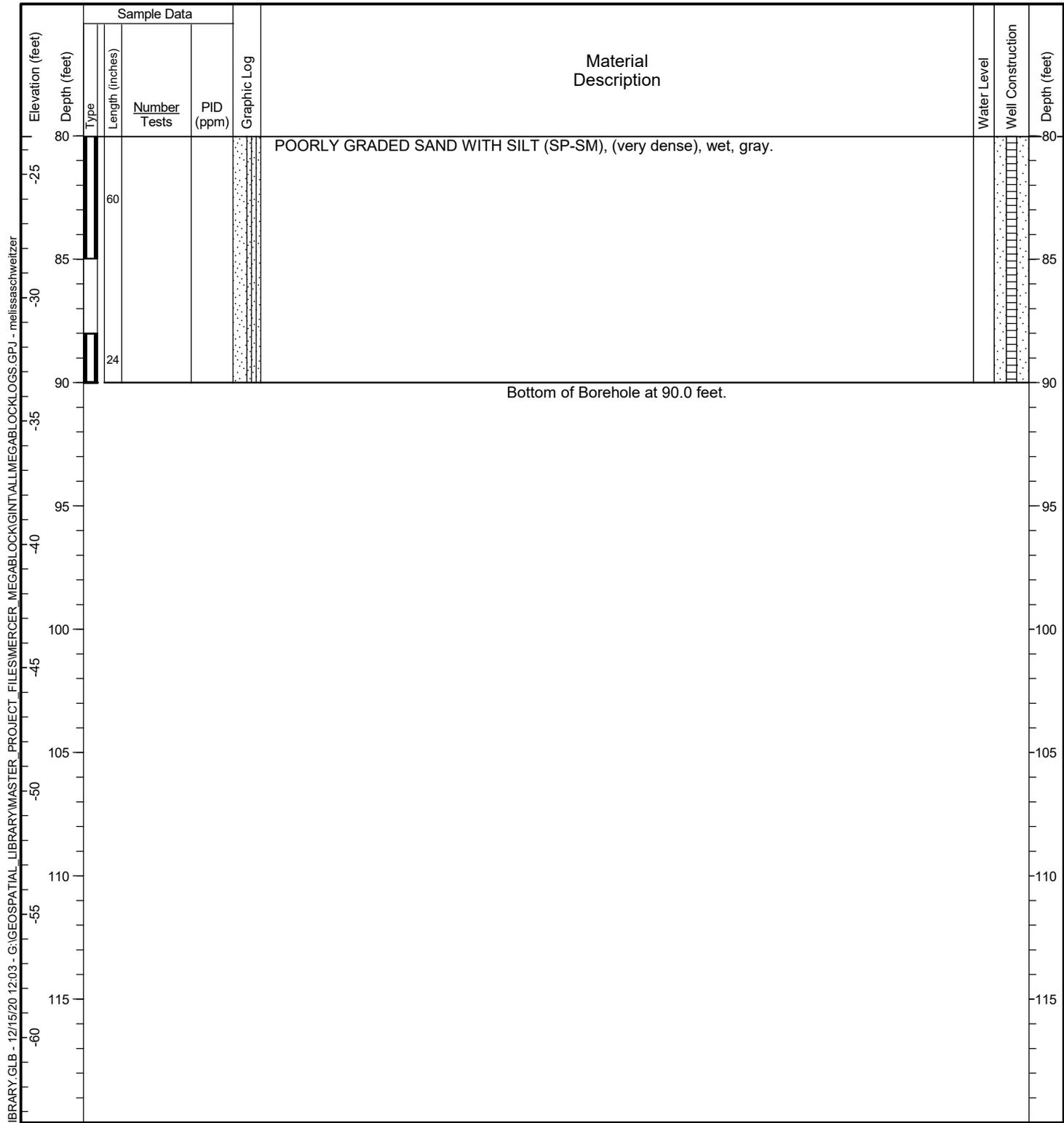
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Sonic Core Log
HMW-3D

Figure **A1-59**
 Sheet **2 of 3**

Public Review Draft

Date Started: <u>3/6/19</u>	Date Completed: <u>3/6/19</u>	Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>K. Huddleston</u>	Checked by: <u>C. Kroskie</u>	Rig Model/Type: _____
Location: <u>Lat: 47.625133 Long: -122.341998 ()</u>	Hole Diameter: <u>2 inches</u>	Casing Diameter: _____
Ground Surface Elevation: <u>56.56 feet (NAVD88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>44 feet</u>
Comments: <u>Well Tag ID: BLI199</u>		



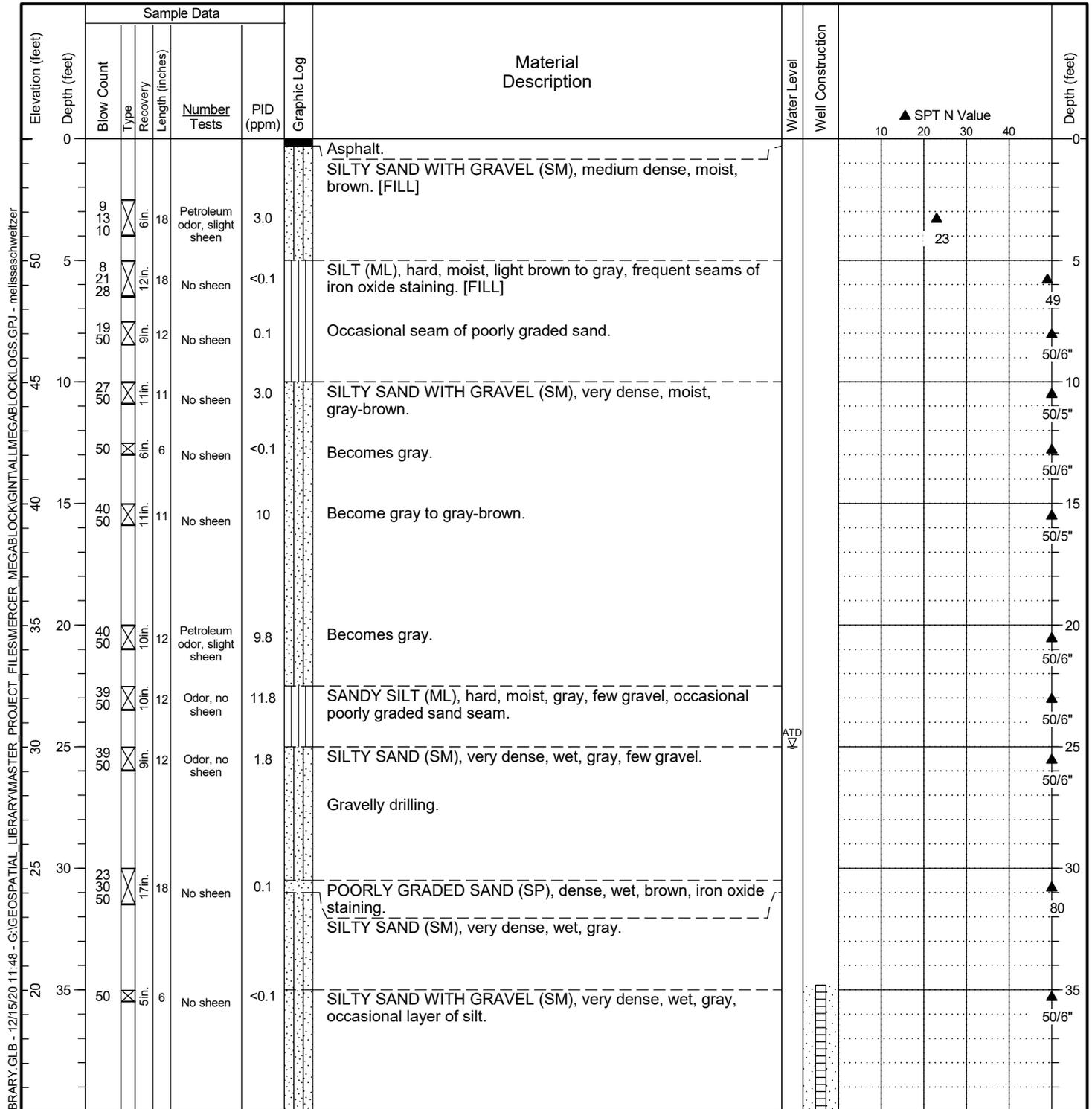
General Notes:

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 PUSH PROBE - F:\GINT\HC LIBRARY.GLB - 12/15/20 12:03 - G:\GEO\SPATIAL LIBRARY\MASTER_PROJECT_FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

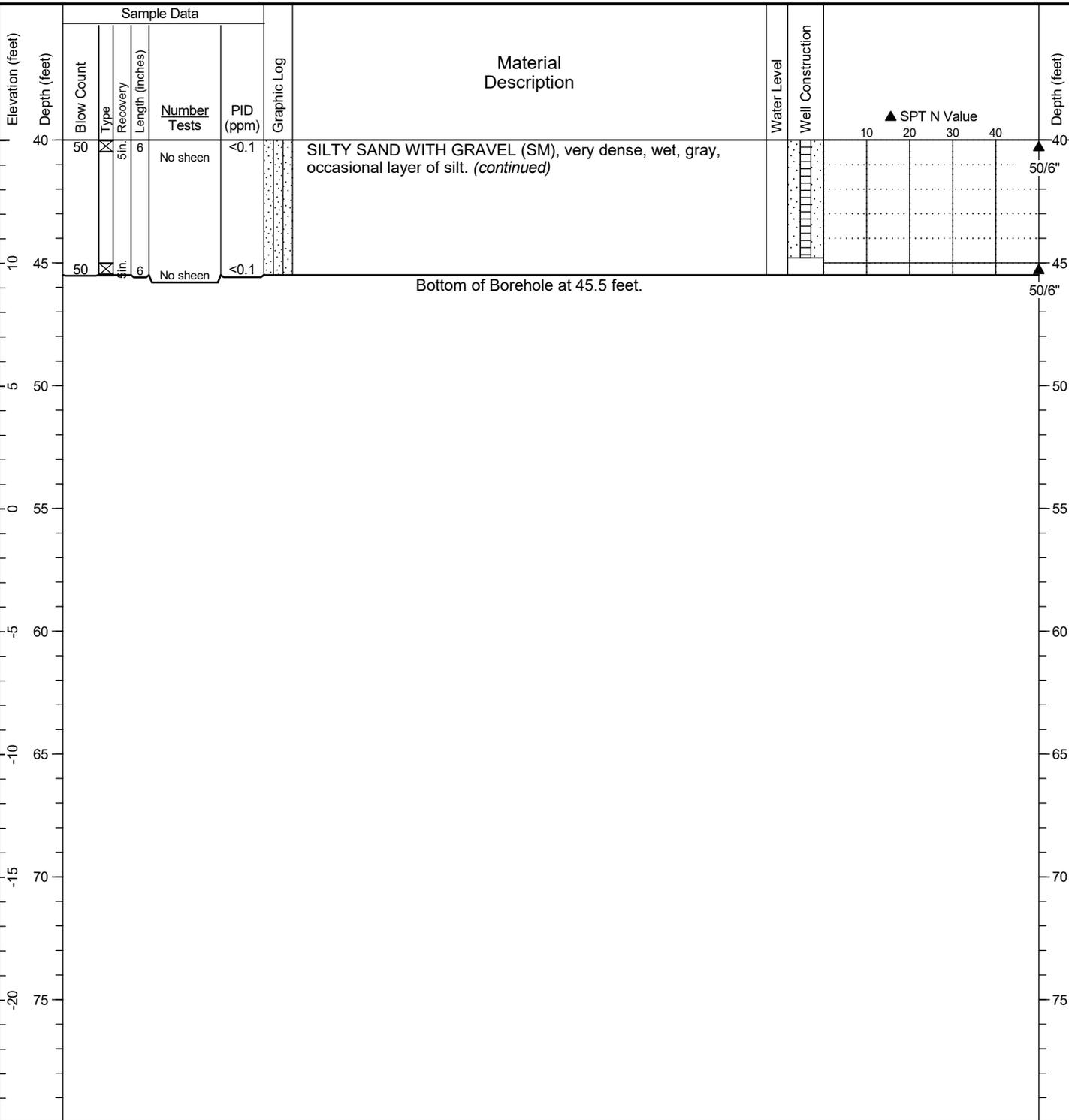
Date Started: 3/15/19	Date Completed: 3/15/19	Drilling Contractor/Crew: Holt Services, Inc.
Logged by: C. Kroskie	Checked by: C. Kroskie	Drilling Method: Hollow Stem Auger
Location: Lat: 47.625150 Long: -122.341930		Rig Model/Type:
Ground Surface Elevation: 55.02 feet (NAVD88)		Hammer Type: Auto-hammer
Comments: Well Tag ID: BLR925		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 inches 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.

Public Review Draft

Date Started: <u>3/15/19</u>	Date Completed: <u>3/15/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>C. Kroskie</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.625150 Long: -122.341930</u>	Rig Model/Type: _____	
Ground Surface Elevation: <u>55.02 feet (NAVD88)</u>	Hammer Type: <u>Auto-hammer</u>	
Comments: <u>Well Tag ID: BLR925</u>	Hammer Weight (pounds): <u>140</u>	Hammer Drop Height (inches): <u>30</u>
	Measured Hammer Efficiency (%): <u>Not Available</u>	
	Hole Diameter: <u>2 inches</u>	Casing Diameter: _____
	Total Depth: <u>45.5 feet</u>	Depth to Groundwater: <u>25 feet</u>



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 - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:48 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCK LOGS.GPJ - melissaschwitzer



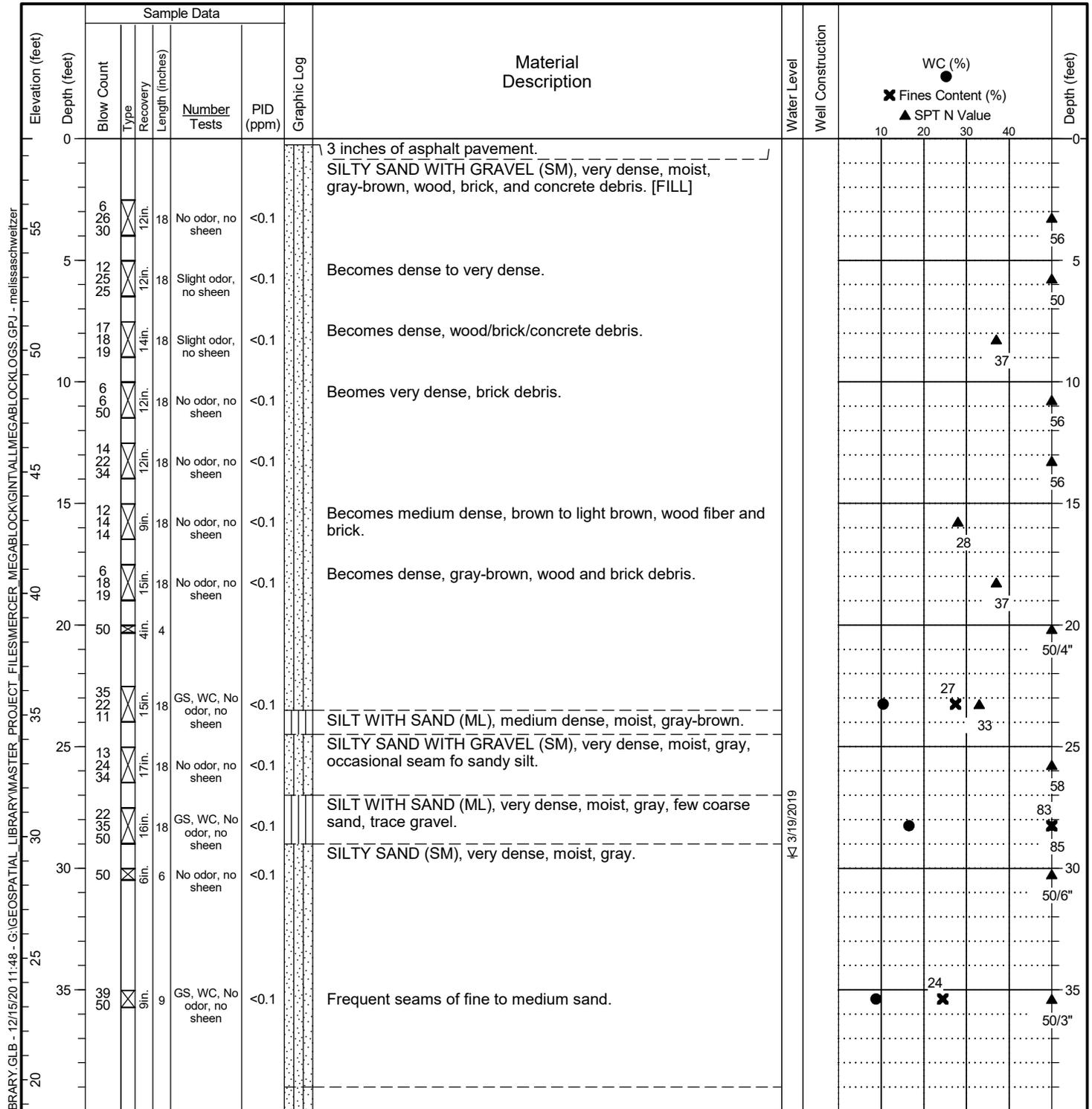
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
HMW-31A

Figure **A1-60**
 Sheet **2 of 2**

Public Review Draft

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: 47.624812 Long: -122.341986		Rig Model/Type: CME-85 / HSA
Ground Surface Elevation: 58.7 feet (NAVD88)		Hammer Type: Auto-hammer
Comments: Well Tag ID: BLI162		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 2 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.



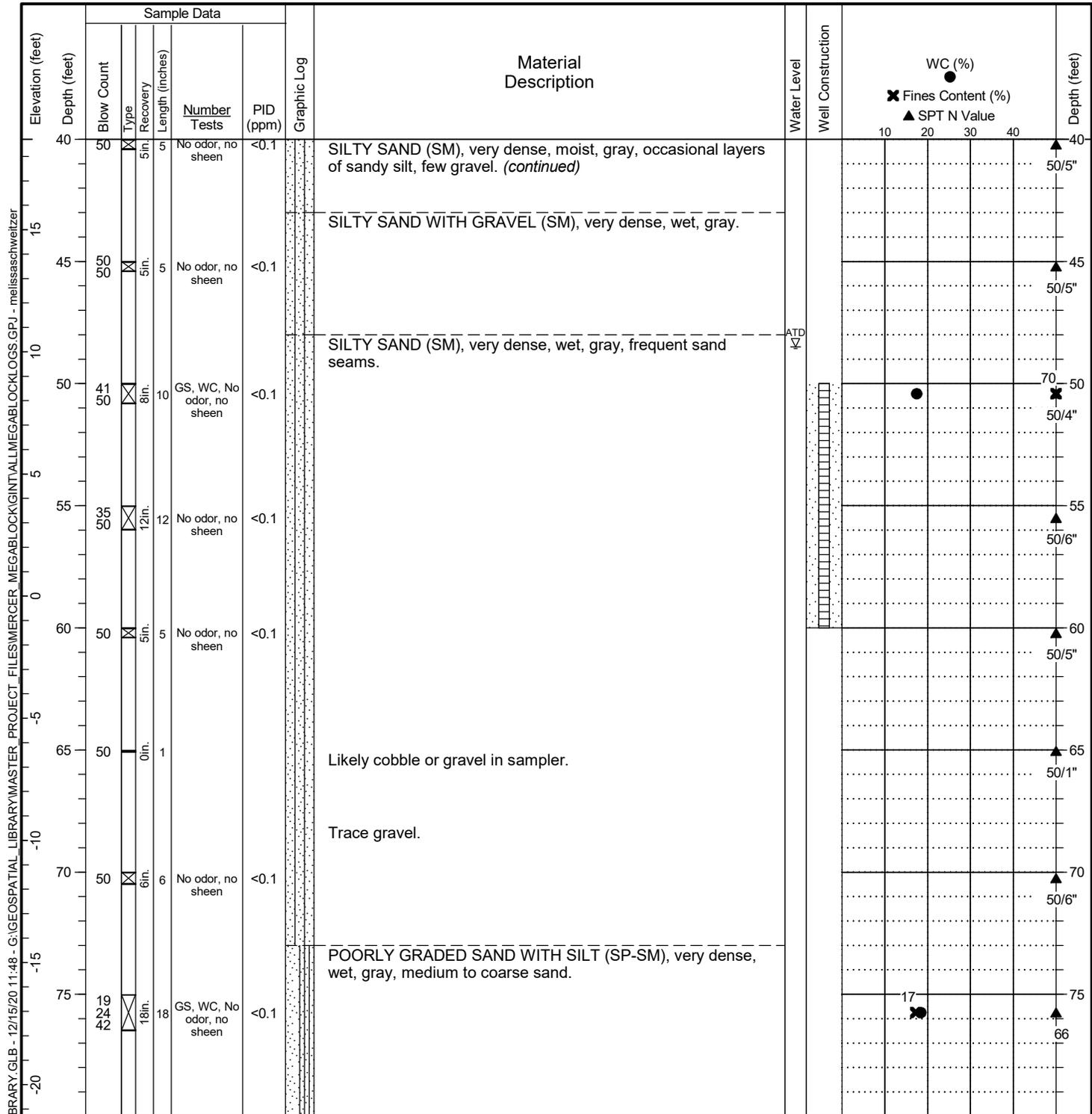
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
HMW-41A

Figure **A1-61**
 Sheet **1 of 3**

Public Review Draft

Date Started: <u>3/7/19</u>	Date Completed: <u>3/7/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>M. Shaljian</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.624812 Long: -122.341986</u>		Rig Model/Type: <u>CME-85 / HSA</u>
Ground Surface Elevation: <u>58.7 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: <u>Well Tag ID: BLI162</u>		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: _____
		Total Depth: <u>81.5 feet</u> Depth to Groundwater: <u>48.5 feet</u>

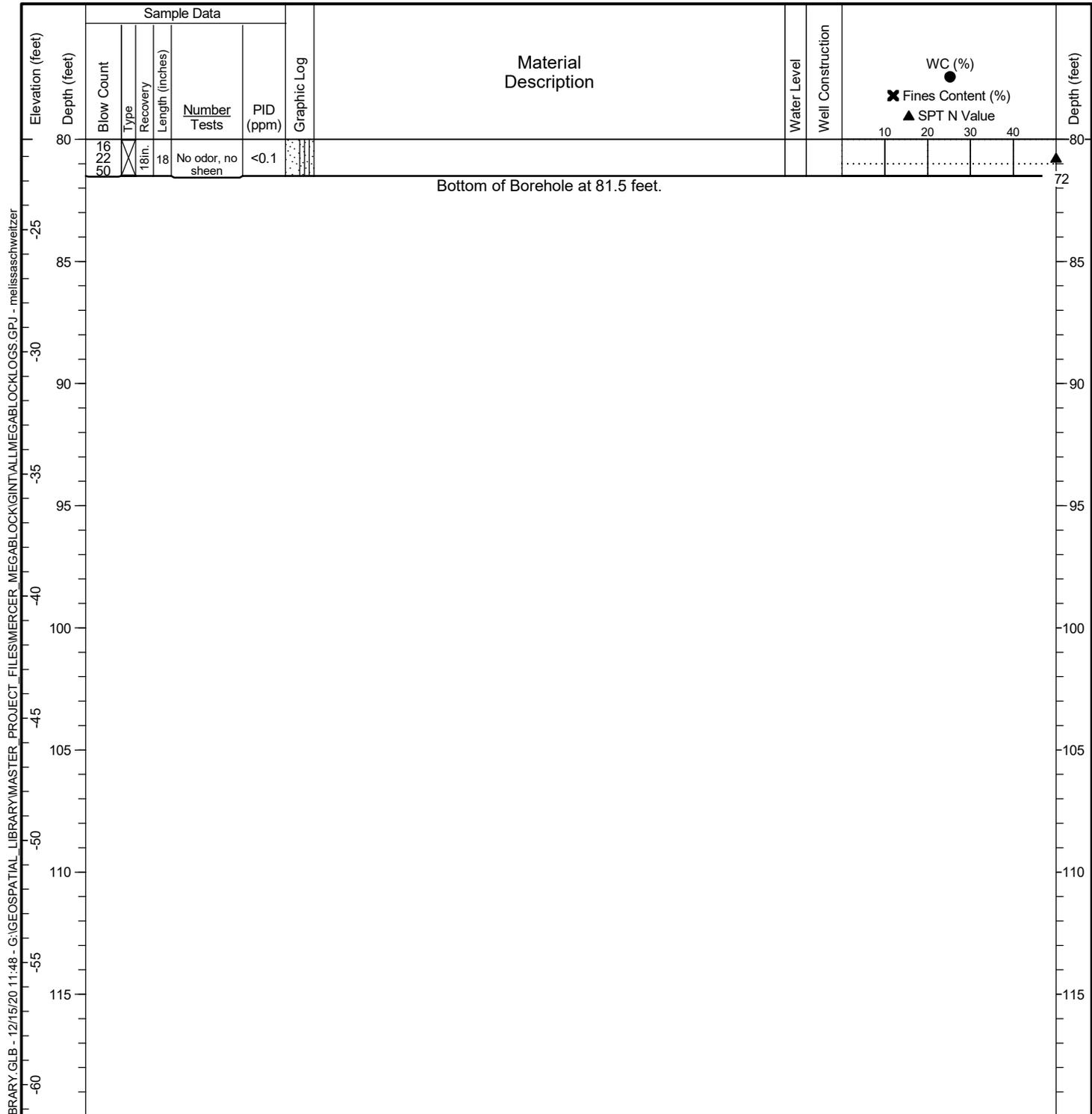


General Notes:

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.

Public Review Draft

Date Started: <u>3/7/19</u>	Date Completed: <u>3/7/19</u>	Drilling Contractor/Crew: <u>Holt Services, Inc.</u>
Logged by: <u>M. Shaljian</u>	Checked by: <u>C. Kroskie</u>	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.624812 Long: -122.341986</u>		Rig Model/Type: <u>CME-85 / HSA</u>
Ground Surface Elevation: <u>58.7 feet (NAVD88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: <u>Well Tag ID: BLI162</u>		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>2 inches</u> Casing Diameter: _____
		Total Depth: <u>81.5 feet</u> Depth to Groundwater: <u>48.5 feet</u>



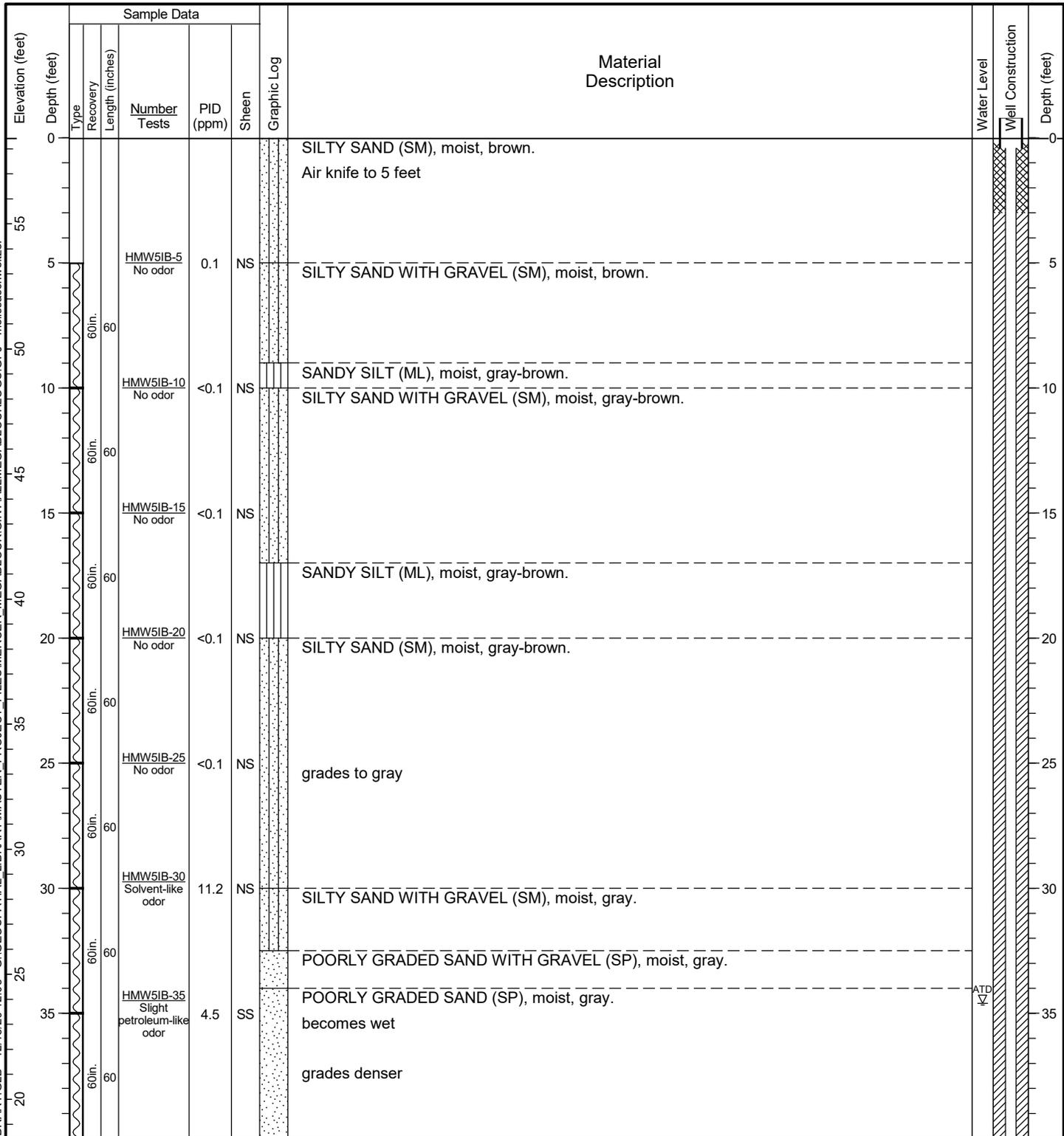
General Notes:

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 - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:48 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: <u>2/28/20</u>	Date Completed: <u>2/28/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>GS Mini Sonic - DB320</u>
Location: <u>Lat: 47.624959 Long: -122.342099 (WGS 84)</u>	Hole Diameter: <u>7 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>58.44 feet (NAVD 88)</u>	Total Depth: <u>70 feet</u>	Depth to Groundwater: <u>34.6 feet</u>
Comments: <u>Well Tag ID: BLZ188</u>		



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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO.SPATIAL LIBRARY\MASTER_PROJECT_FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer



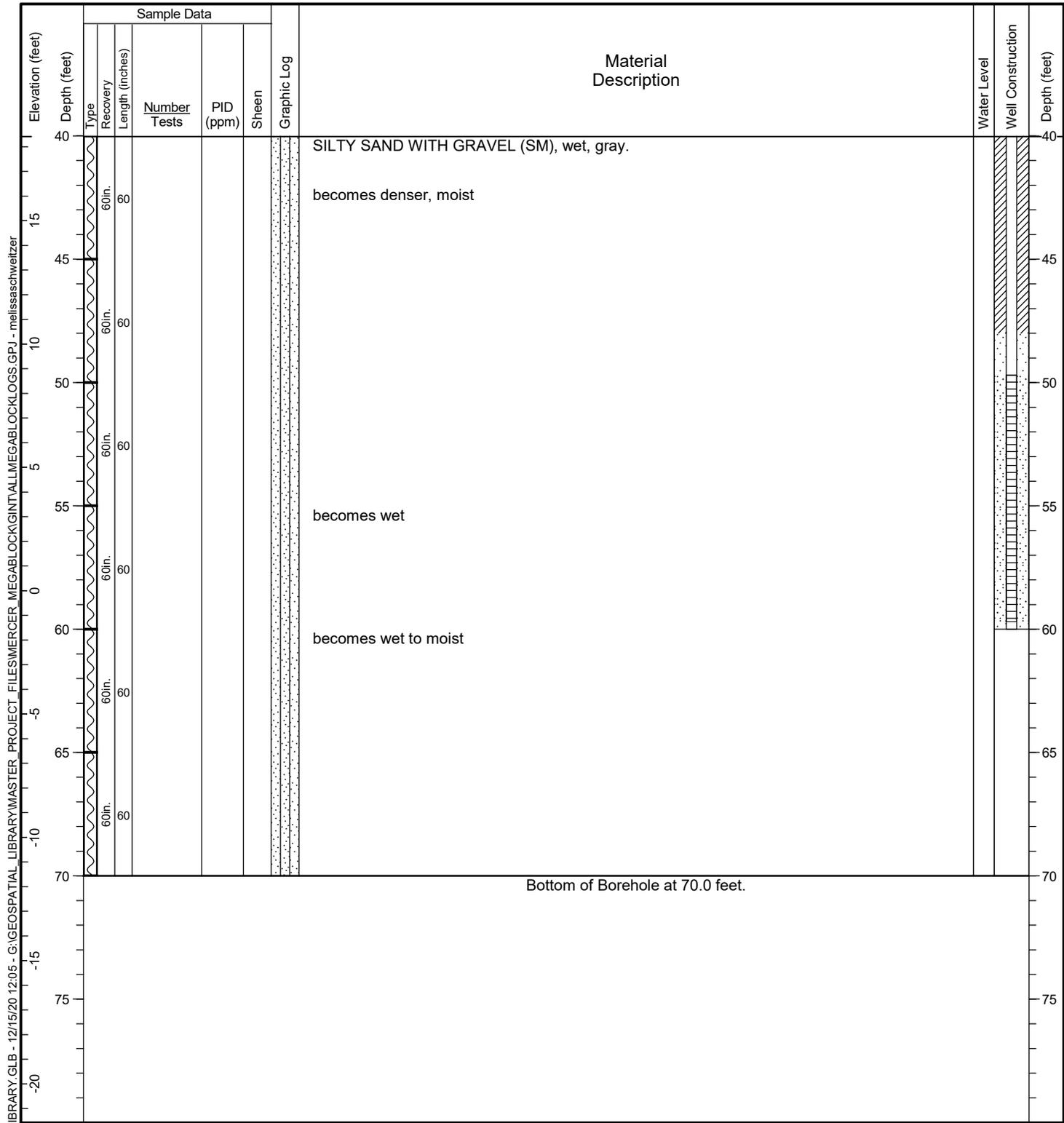
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Sonic Core Log
HMW-5IB

Figure **A1-62**
 Sheet **1 of 2**

Public Review Draft

Date Started: <u>2/28/20</u>	Date Completed: <u>2/28/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>GS Mini Sonic - DB320</u>
Location: <u>Lat: 47.624959 Long: -122.342099 (WGS 84)</u>	Hole Diameter: <u>7 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>58.44 feet (NAVD 88)</u>	Total Depth: <u>70 feet</u>	Depth to Groundwater: <u>34.6 feet</u>
Comments: <u>Well Tag ID: BLZ188</u>		

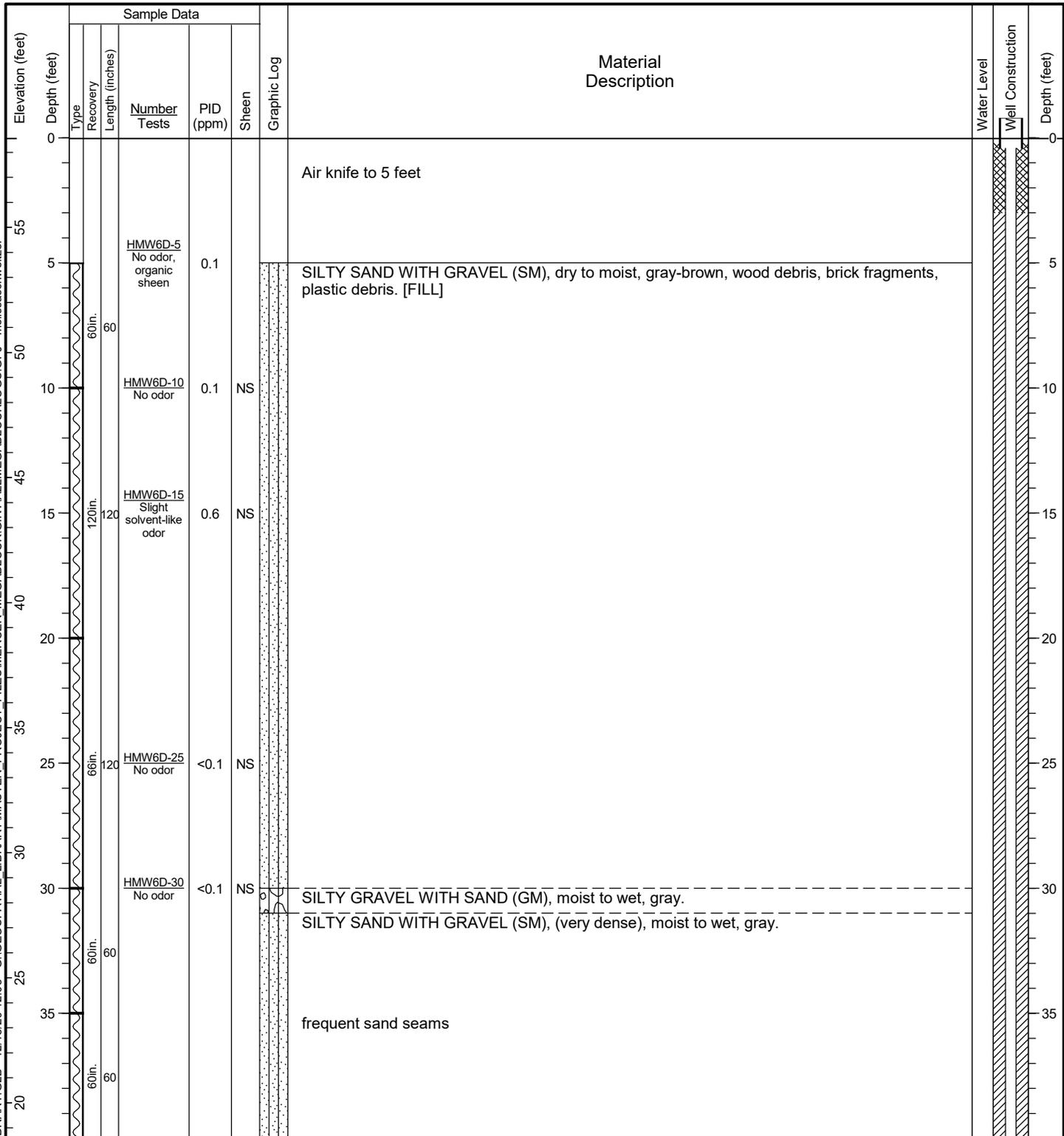


HC PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO.SPATIAL LIBRARY\MASTER_PROJECT_FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

- 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.

Public Review Draft

Date Started: <u>3/2/20</u>	Date Completed: <u>3/2/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624790 Long: -122.342094 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>58.58 feet (NAVD 88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>46.89 feet</u>
Comments: <u>Well Tag ID: BLZ187</u>		



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.



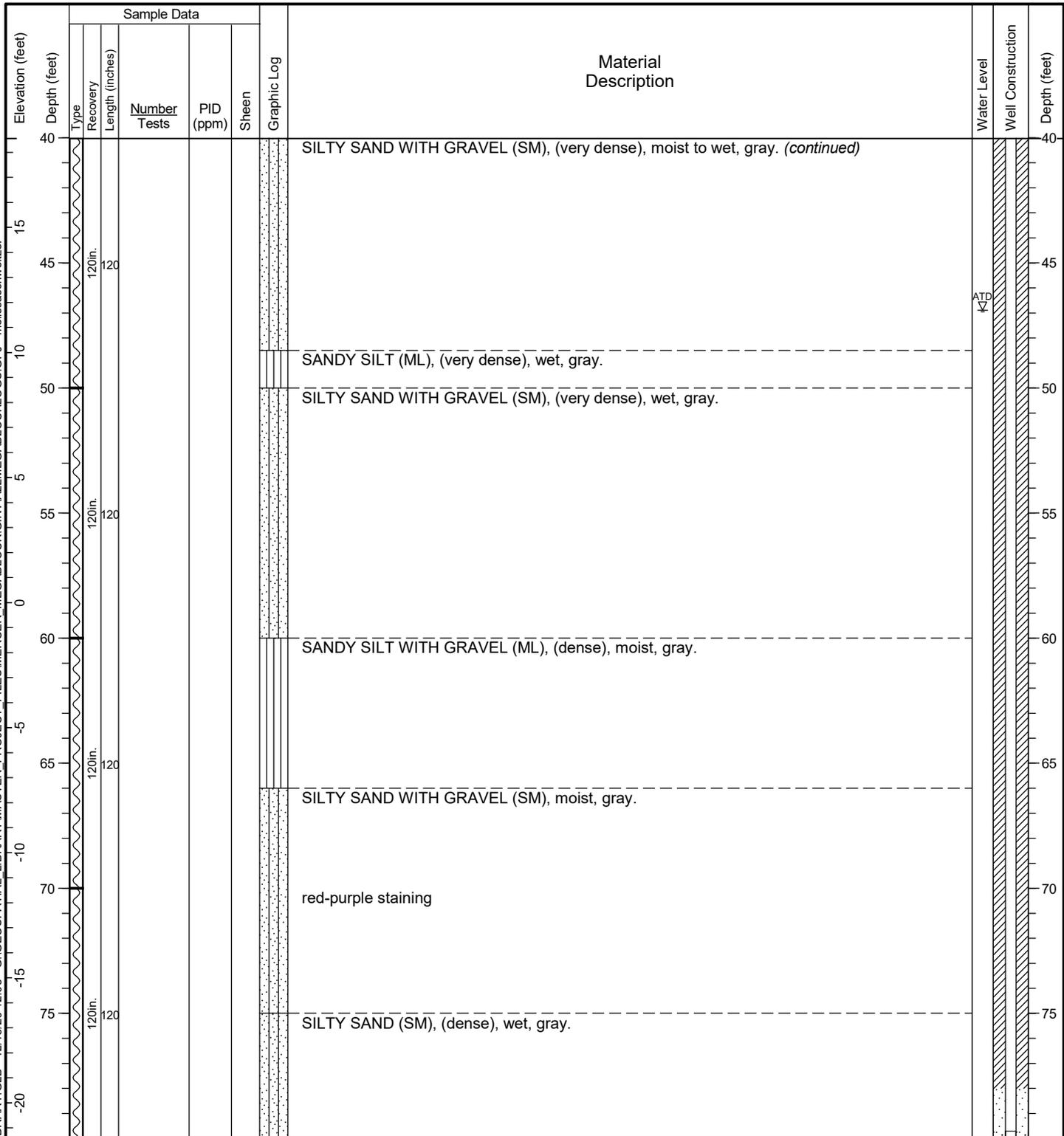
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Sonic Core Log
HMW-6D

Figure **A1-63**
 Sheet **1 of 3**

Public Review Draft

Date Started: <u>3/2/20</u>	Date Completed: <u>3/2/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSI 150CC</u>
Location: <u>Lat: 47.624790 Long: -122.342094 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>58.58 feet (NAVD 88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>46.89 feet</u>
Comments: <u>Well Tag ID: BLZ187</u>		



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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO.SPATIAL LIBRARY\MASTER_PROJECT_FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer



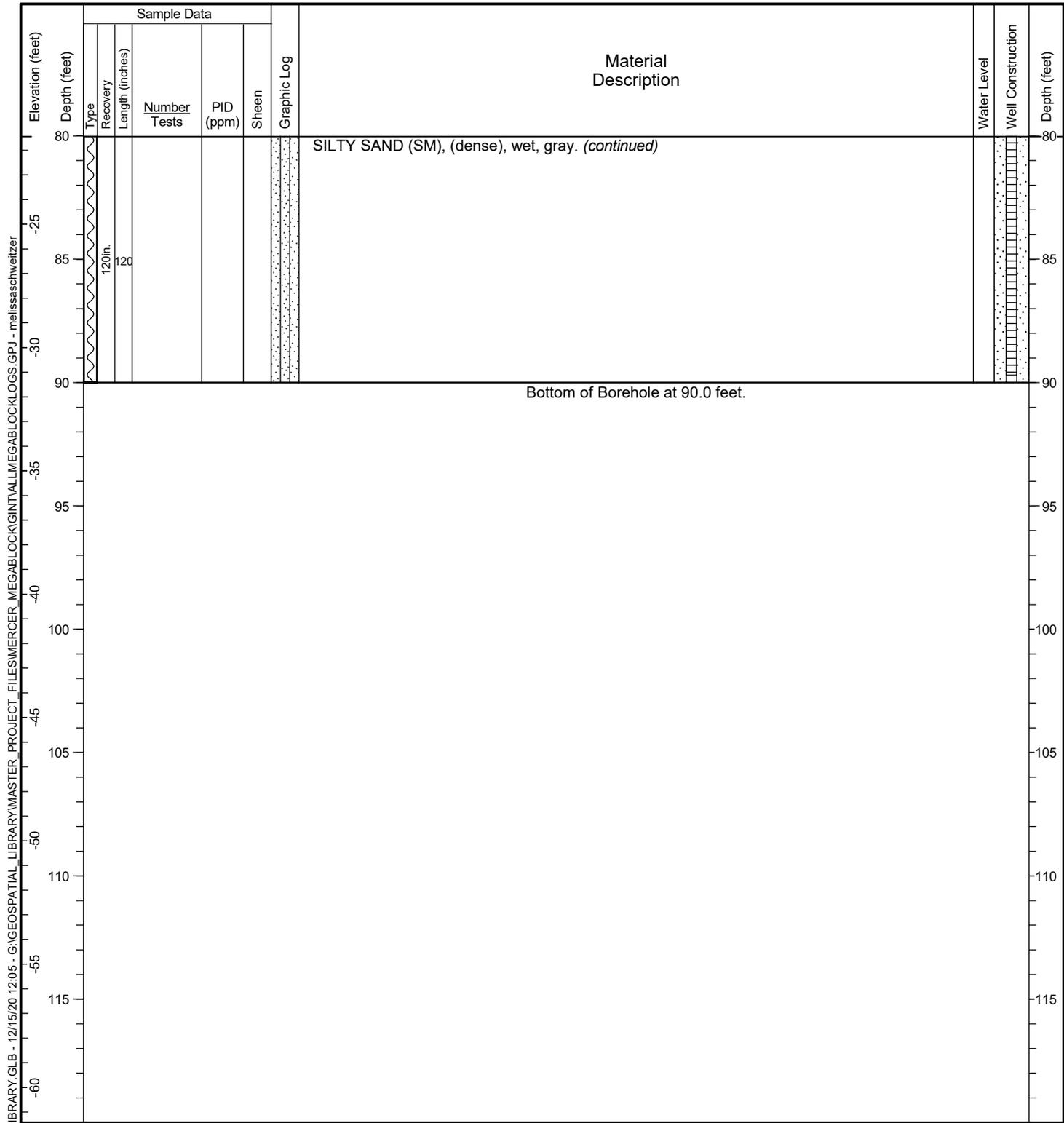
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Sonic Core Log
HMW-6D

Figure **A1-63**
 Sheet **2 of 3**

Public Review Draft

Date Started: <u>3/2/20</u>	Date Completed: <u>3/2/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624790 Long: -122.342094 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>58.58 feet (NAVD 88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>46.89 feet</u>
Comments: <u>Well Tag ID: BLZ187</u>		



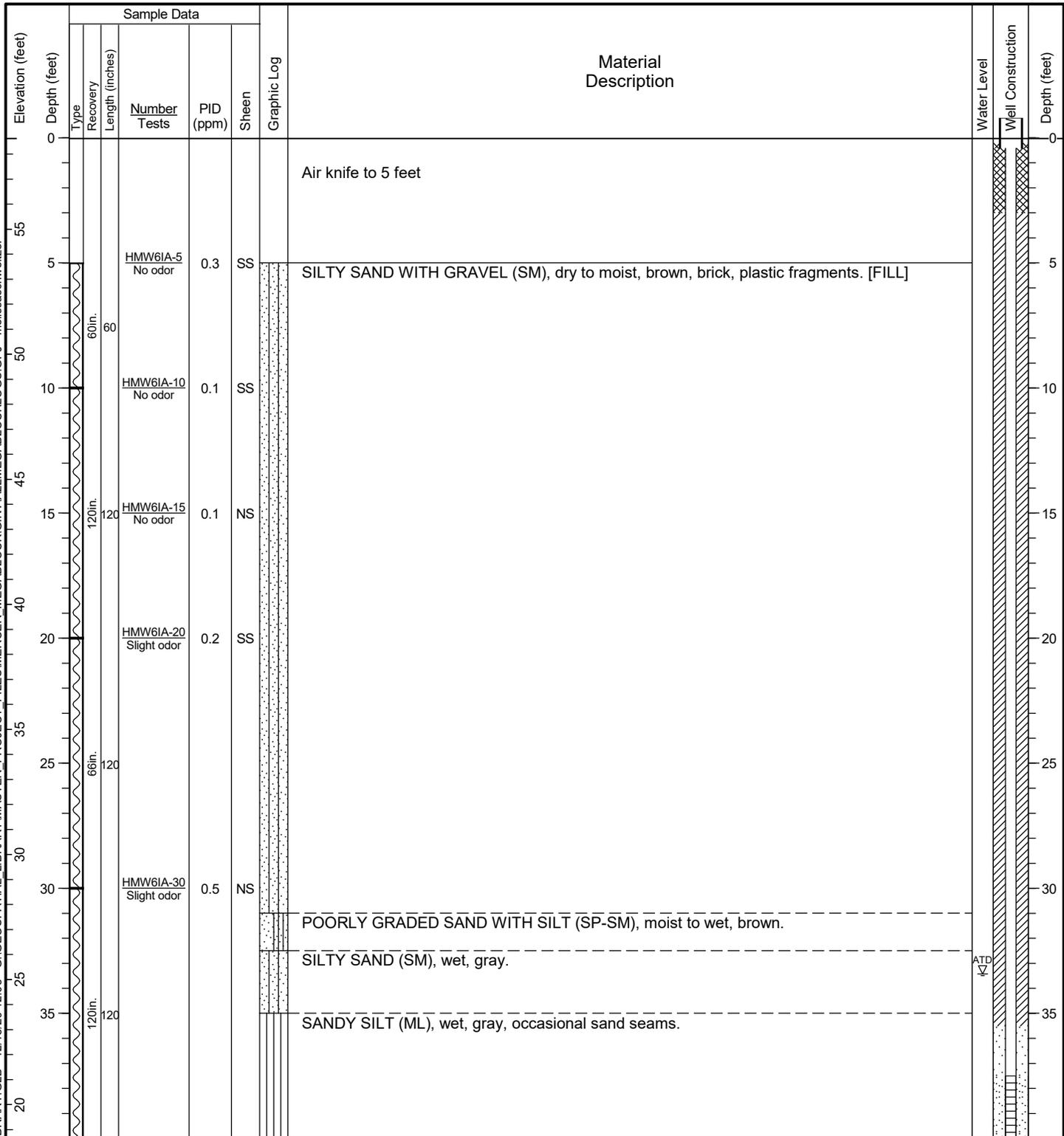
HC PUSH PROBE - F:\GINTIHC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINTI\MEGABLOCKLOGS.GPJ - melissaschweitzer

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.

Public Review Draft

Date Started: <u>3/2/20</u>	Date Completed: <u>3/2/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624793 Long: -122.342107 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>58.65 feet (NAVD 88)</u>	Total Depth: <u>50 feet</u>	Depth to Groundwater: <u>33.43 feet</u>
Comments: <u>Well Tag ID: BLZ185</u>		



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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer



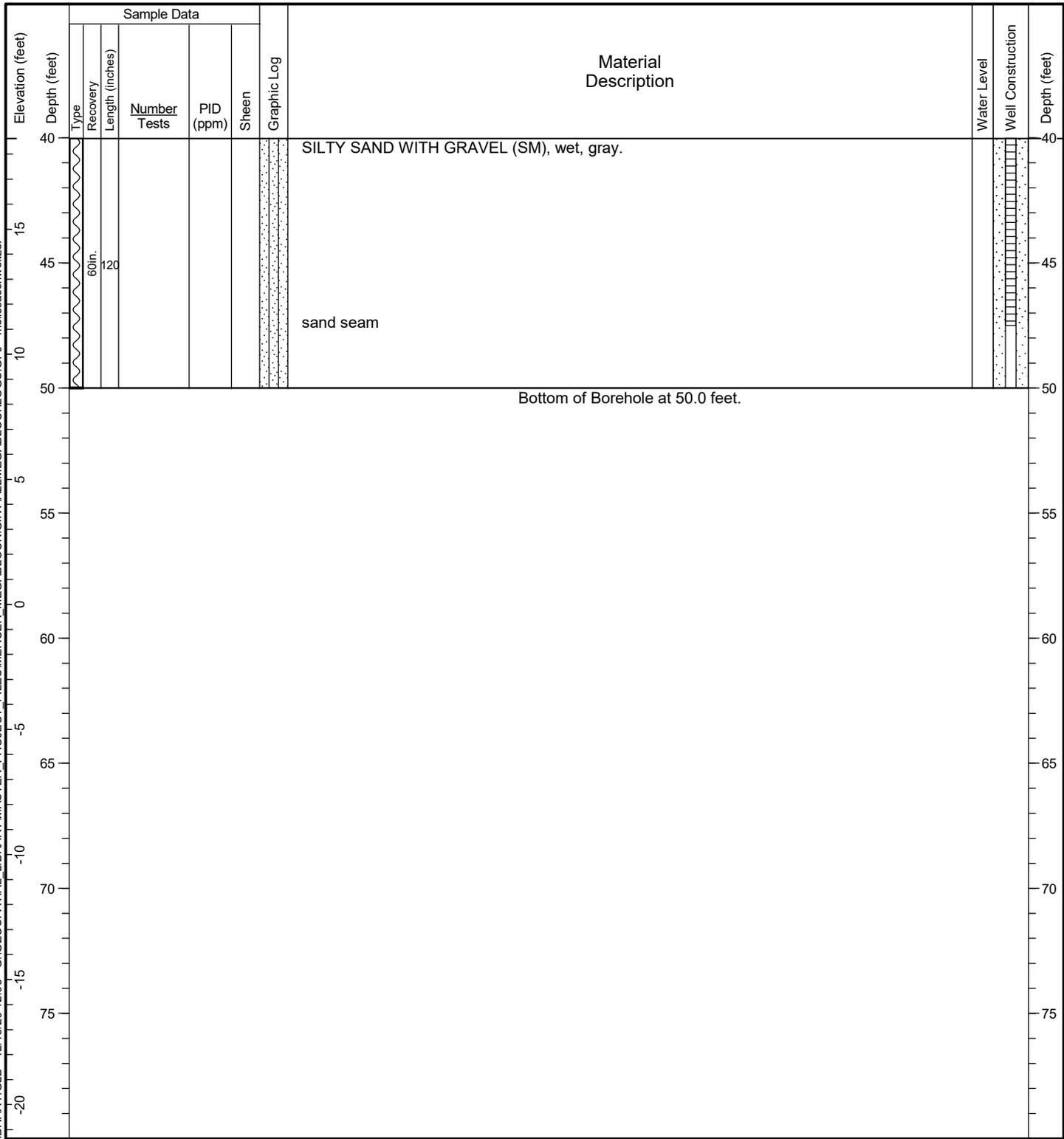
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Sonic Core Log
HMW-6IA

Figure **A1-64**
 Sheet **1 of 2**

Public Review Draft

Date Started: <u>3/2/20</u>	Date Completed: <u>3/2/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624793 Long: -122.342107 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>58.65 feet (NAVD 88)</u>	Total Depth: <u>50 feet</u>	Depth to Groundwater: <u>33.43 feet</u>
Comments: <u>Well Tag ID: BLZ185</u>		

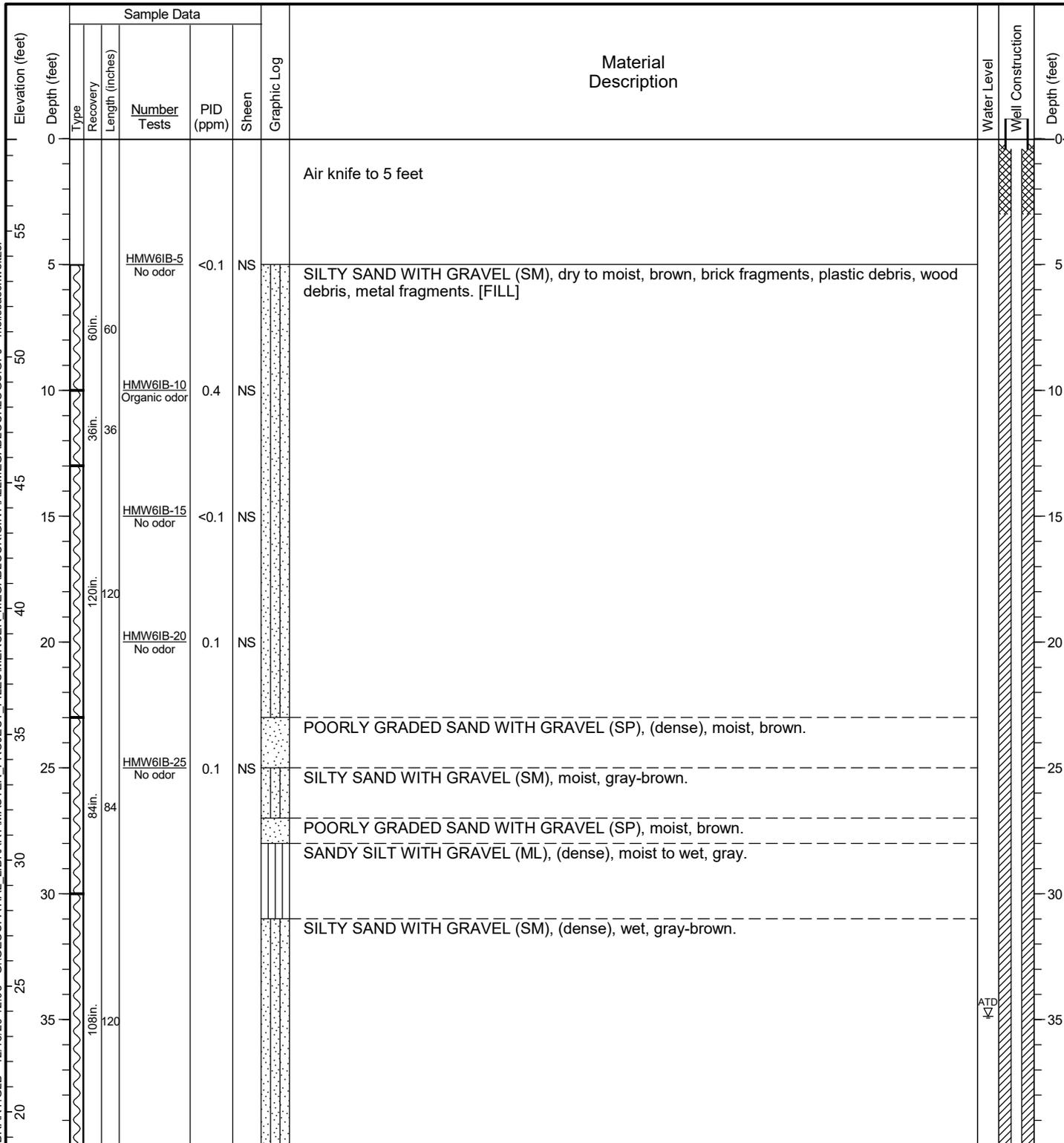


HC PUSH PROBE - F:\GINT\HC LIBRARY.GLB - 12/15/20 12:05 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

- 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.

Public Review Draft

Date Started: 3/3/20	Date Completed: 3/3/20	Contractor/Crew: Cascade Drilling, L.P.
Logged by: A. Nakahara	Checked by: M. Goodman	Rig Model/Type: TSi 150CC
Location: Lat: 47.624781 Long: -122.342102 (WGS 84)	Hole Diameter: 6 inches	Casing Diameter: OD: 2 inches
Ground Surface Elevation: 58.67 feet (NAVD 88)	Total Depth: 70 feet	Depth to Groundwater: 34.87 feet
Comments: Well Tag ID: BLZ186		



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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer



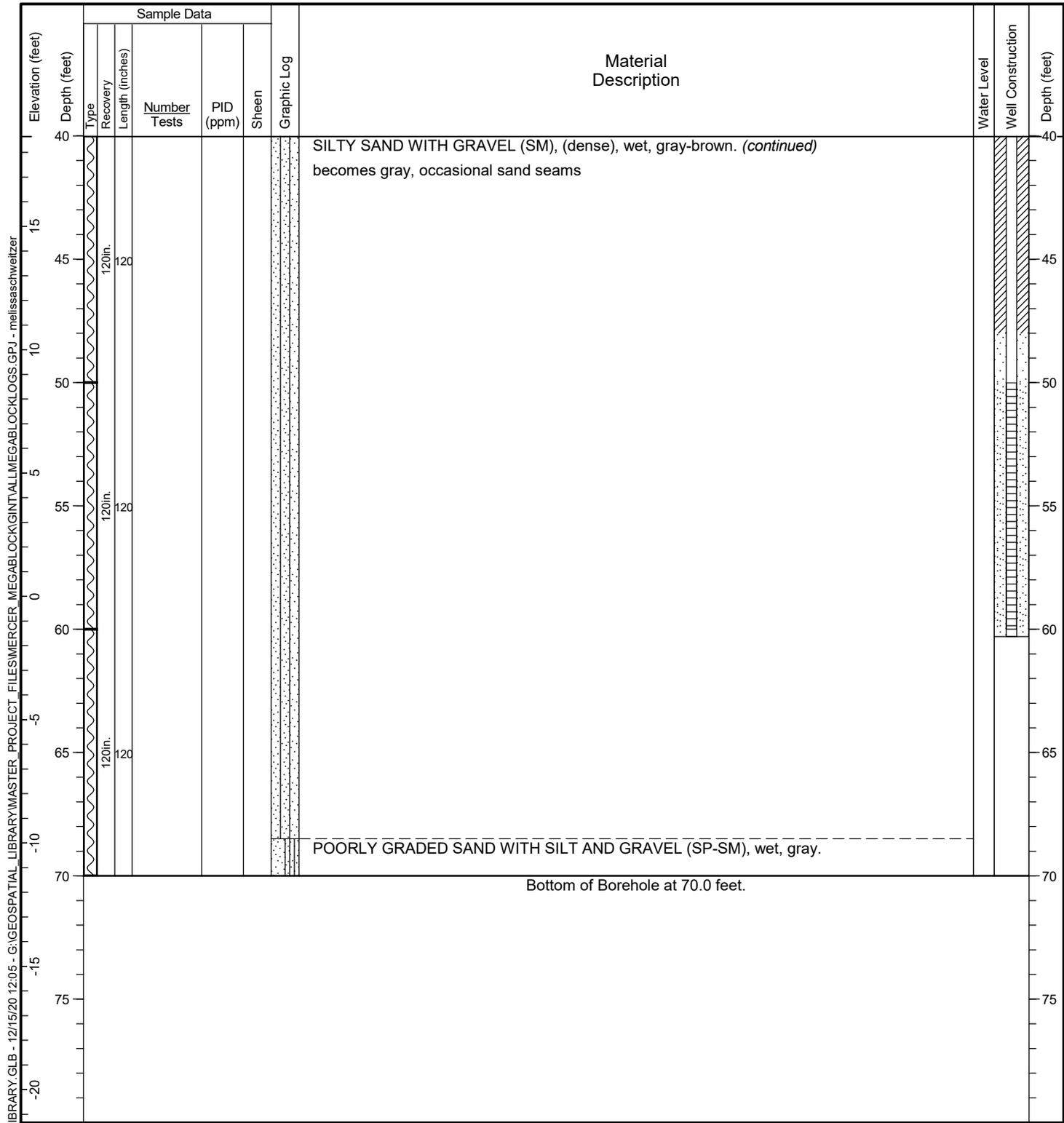
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Sonic Core Log
HMW-6IB

Figure **A1-65**
 Sheet **1 of 2**

Public Review Draft

Date Started: <u>3/3/20</u>	Date Completed: <u>3/3/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624781 Long: -122.342102 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>58.67 feet (NAVD 88)</u>	Total Depth: <u>70 feet</u>	Depth to Groundwater: <u>34.87 feet</u>
Comments: <u>Well Tag ID: BLZ186</u>		



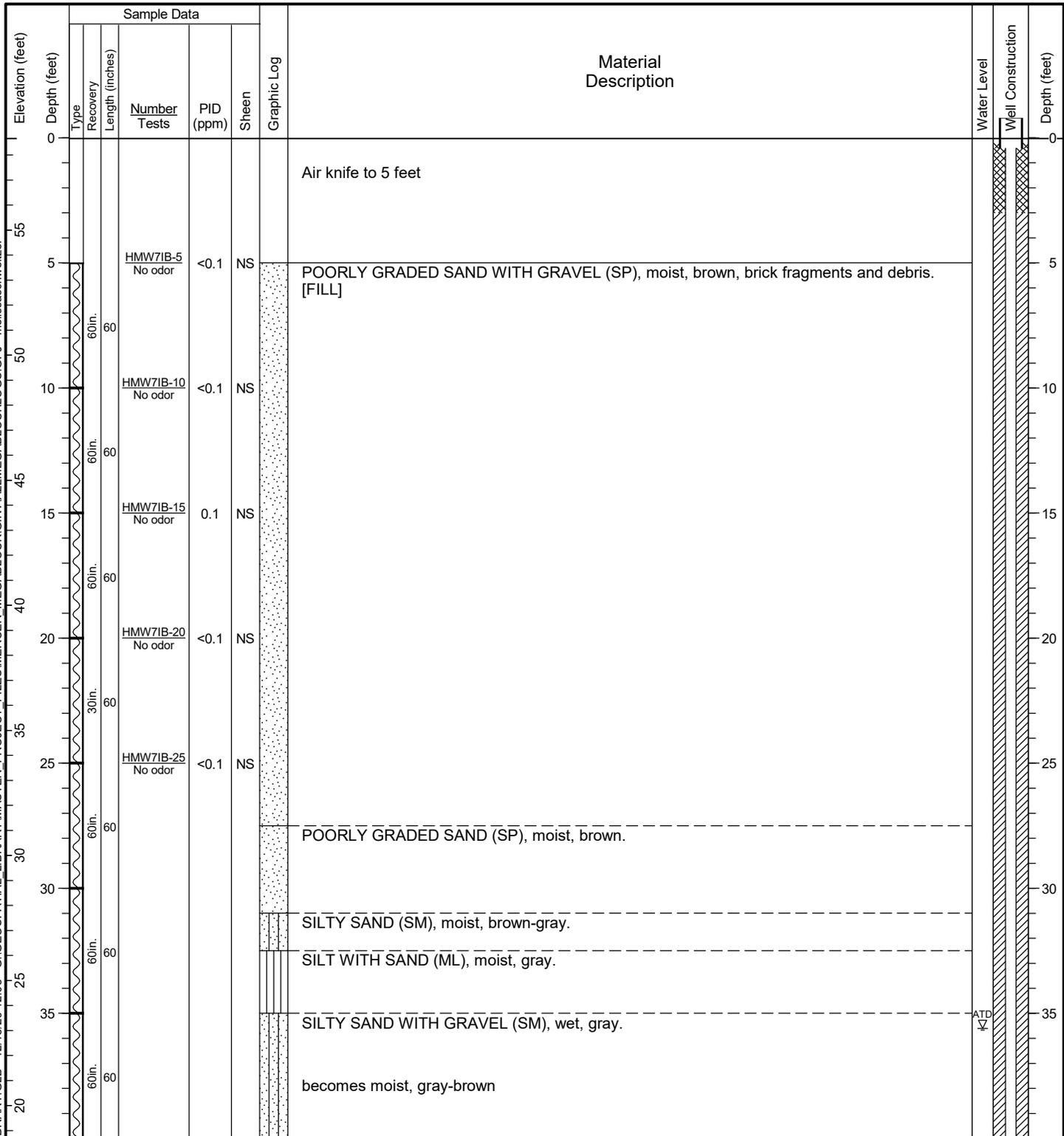
General Notes:

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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: <u>3/2/20</u>	Date Completed: <u>3/2/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>GS Mini Sonic - DB320</u>
Location: <u>Lat: 47.624711 Long: -122.342090 (WGS 84)</u>	Hole Diameter: <u>7 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>58.69 feet (NAVD 88)</u>	Total Depth: <u>70 feet</u>	Depth to Groundwater: <u>35.61 feet</u>
Comments: <u>Well Tag ID: BLZ159</u>		



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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer



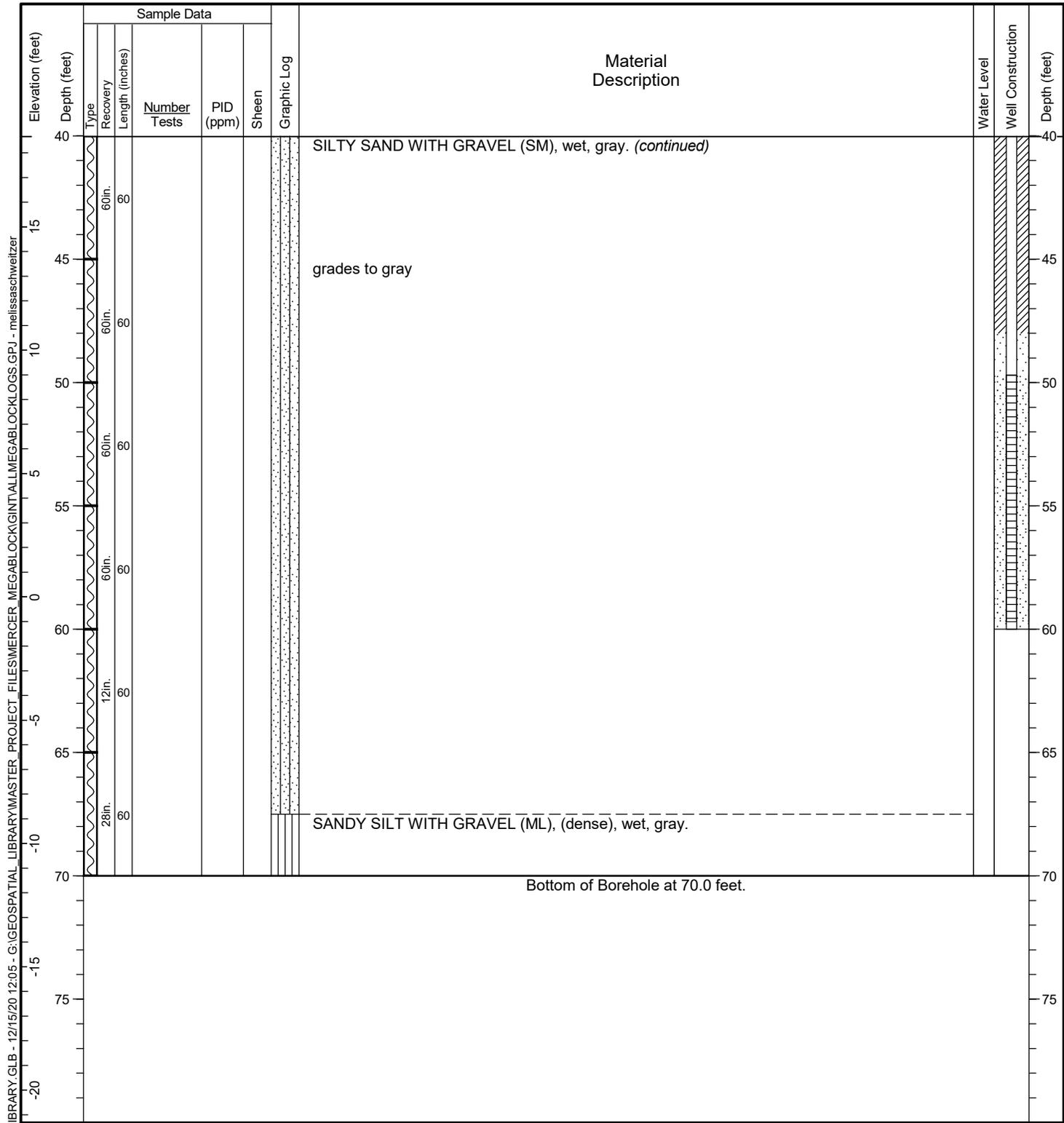
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Sonic Core Log
HMW-71B

Figure **A1-66**
 Sheet **1 of 2**

Public Review Draft

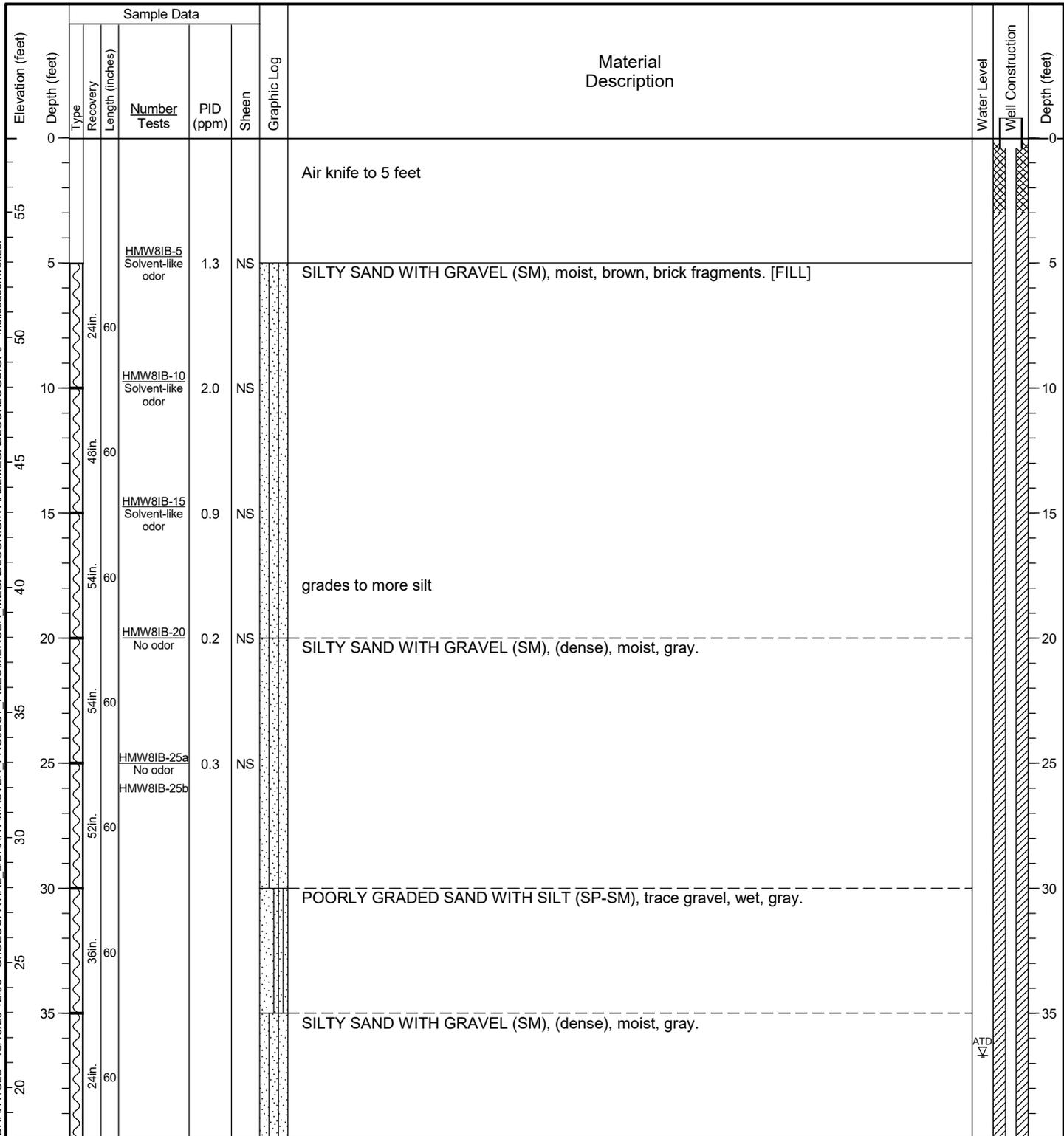
Date Started: <u>3/2/20</u>	Date Completed: <u>3/2/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>GS Mini Sonic - DB320</u>
Location: <u>Lat: 47.624711 Long: -122.342090 (WGS 84)</u>	Hole Diameter: <u>7 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>58.69 feet (NAVD 88)</u>	Total Depth: <u>70 feet</u>	Depth to Groundwater: <u>35.61 feet</u>
Comments: <u>Well Tag ID: BLZ159</u>		



HC PUSH PROBE - F:\GINTIHC LIBRARY.GLB - 12/15/20 12:05 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINTIALLMEGABLOCKLOGS.GPJ - melissaschweitzer

- 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: <u>3/2/20</u>	Date Completed: <u>3/2/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>GS Mini Sonic - DB320</u>
Location: <u>Lat: 47.624814 Long: -122.341888 (WGS 84)</u>	Hole Diameter: <u>7 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>57.97 feet (NAVD 88)</u>	Total Depth: <u>70 feet</u>	Depth to Groundwater: <u>36.69 feet</u>
Comments: <u>Well Tag ID: BLZ158</u>		



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 PUSH PROBE - F:\GINT\HC LIBRARY.GLB - 12/15/20 12:05 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

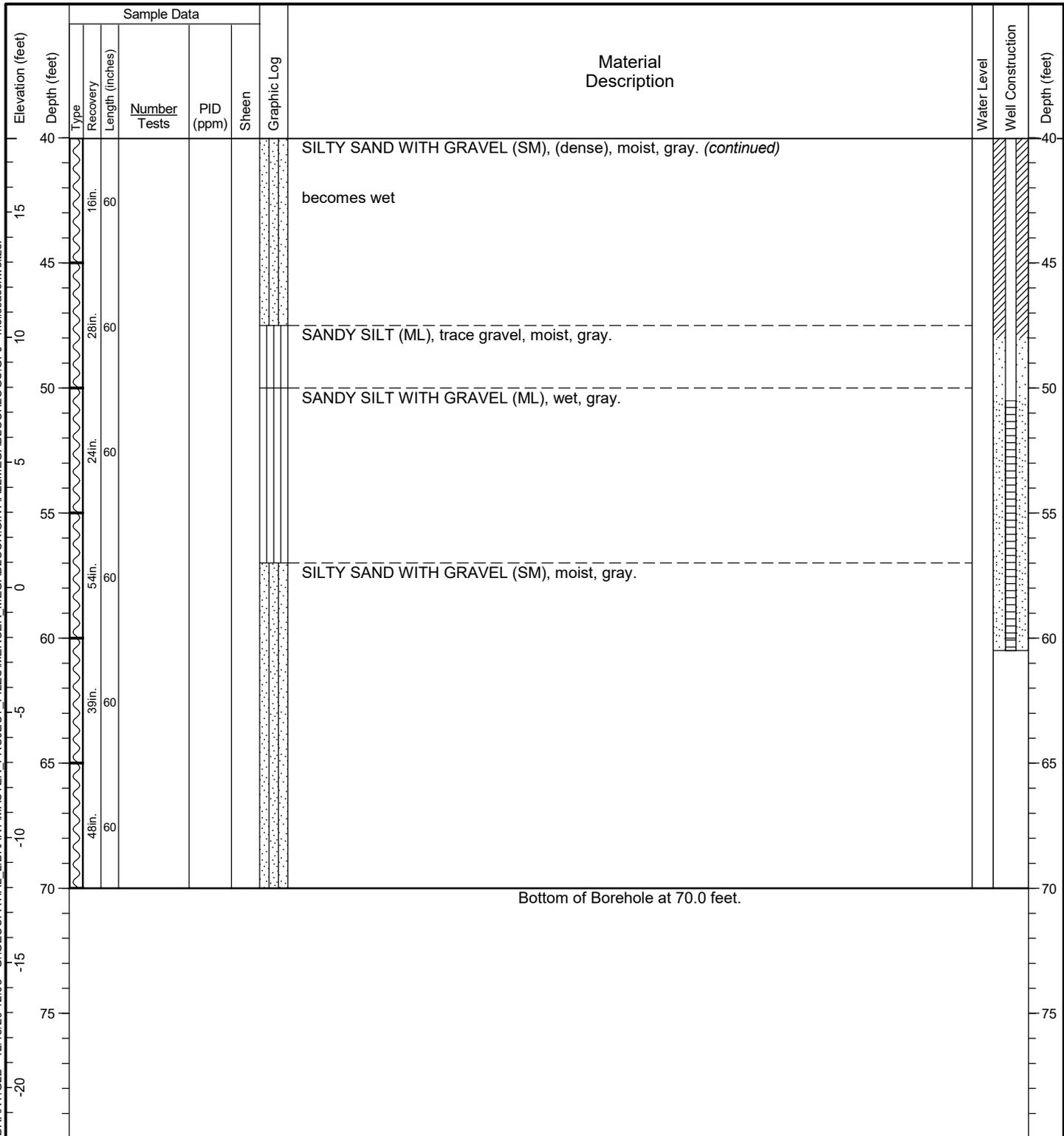


Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Sonic Core Log
HMW-8IB

Figure **A1-67**
 Sheet **1 of 2**

Date Started: <u>3/2/20</u>	Date Completed: <u>3/2/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>GS Mini Sonic - DB320</u>
Location: <u>Lat: 47.624814 Long: -122.341888 (WGS 84)</u>	Hole Diameter: <u>7 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>57.97 feet (NAVD 88)</u>	Total Depth: <u>70 feet</u>	Depth to Groundwater: <u>36.69 feet</u>
Comments: <u>Well Tag ID: BLZ158</u>		



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 PUSH PROBE - F:\GINTHIC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINTALLMEGABLOCKLOGS.GPJ - melissaschweitzer



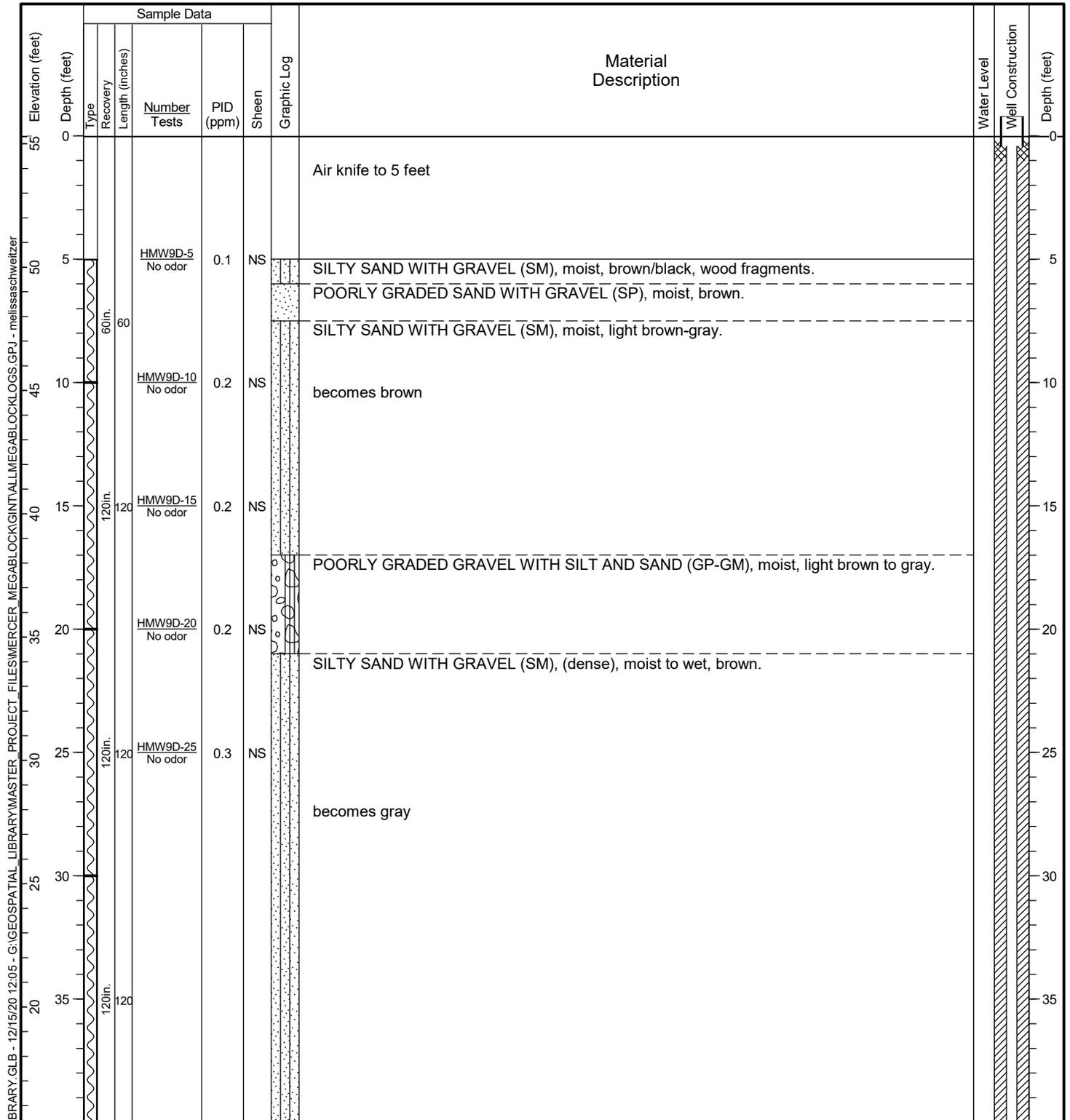
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Sonic Core Log
HMW-8IB

Figure **A1-67**
 Sheet **2 of 2**

Public Review Draft

Date Started: <u>2/27/20</u>	Date Completed: <u>2/28/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624956 Long: -122.341687 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>55.32 feet (NAVD 88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>43.55 feet</u>
Comments: <u>Well Tag ID: BLZ192</u>		

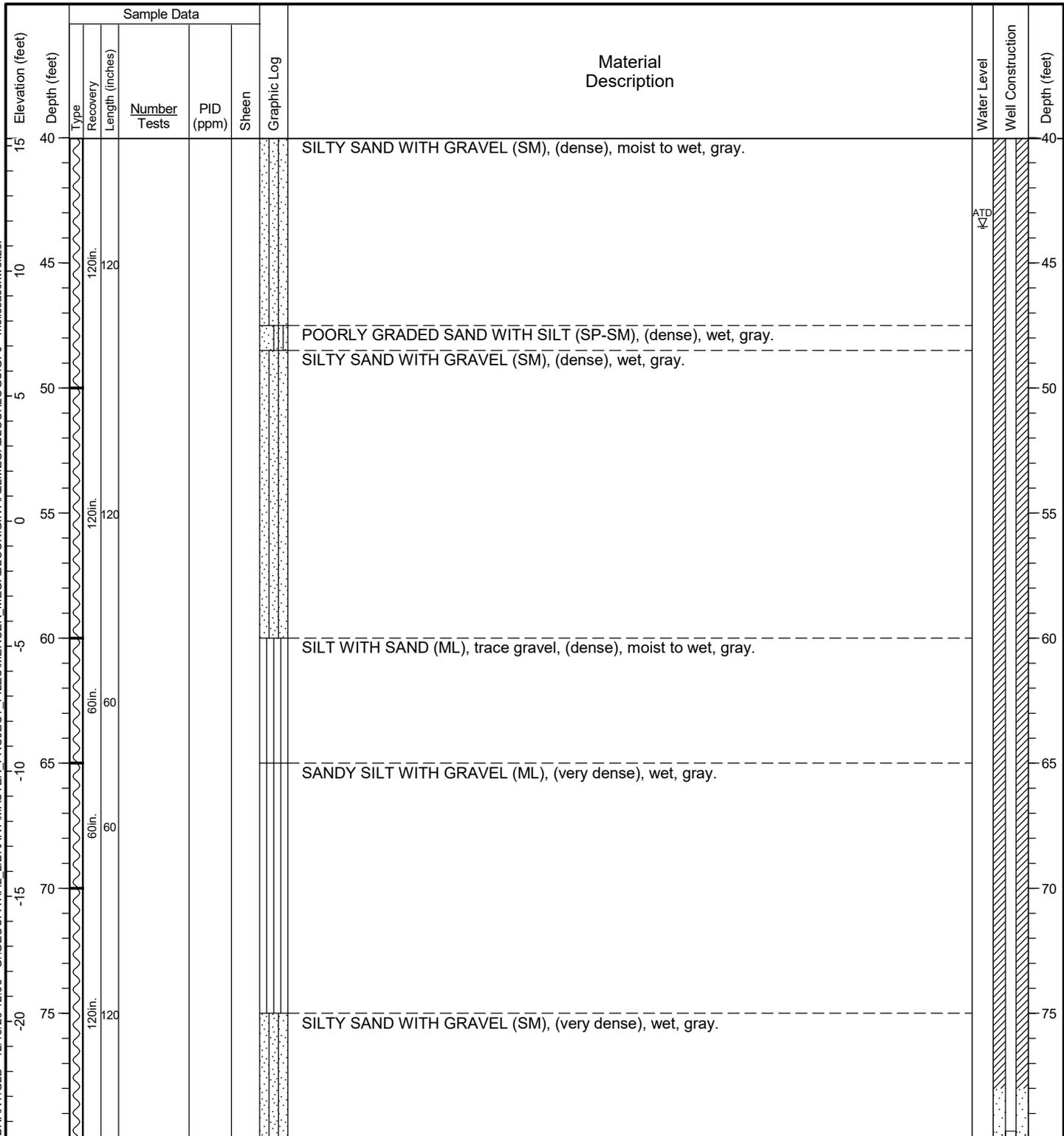


General Notes:

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.

Public Review Draft

Date Started: <u>2/27/20</u>	Date Completed: <u>2/28/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624956 Long: -122.341687 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>55.32 feet (NAVD 88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>43.55 feet</u>
Comments: <u>Well Tag ID: BLZ192</u>		



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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer



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

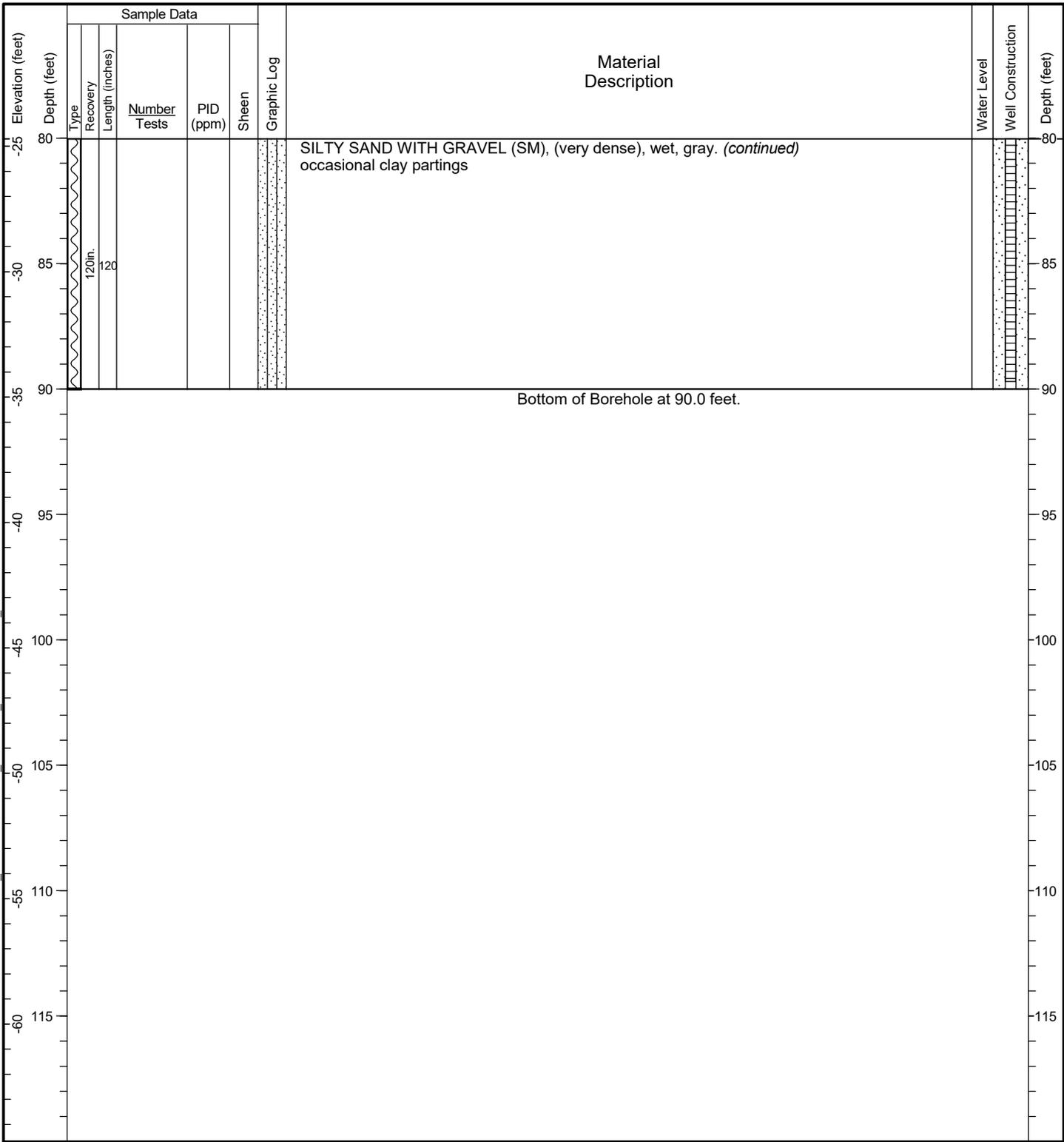
Sonic Core Log
HMW-9D

Figure **A1-68**
 Sheet **2 of 3**

Public Review Draft

Date Started: <u>2/27/20</u>	Date Completed: <u>2/28/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624956 Long: -122.341687 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>55.32 feet (NAVD 88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>43.55 feet</u>
Comments: <u>Well Tag ID: BLZ192</u>		

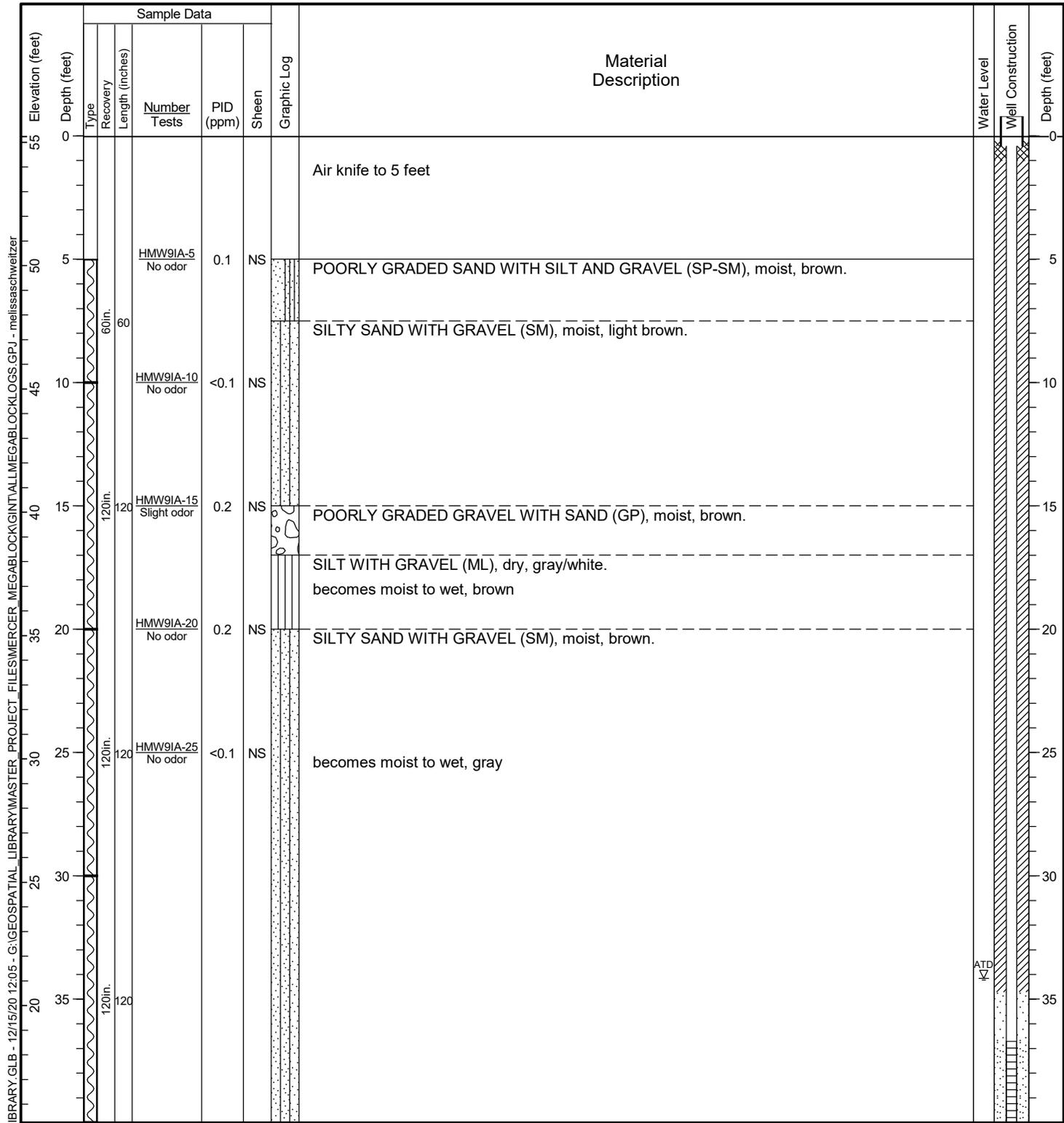
HC PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer



- 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.

Public Review Draft

Date Started: <u>2/28/20</u>	Date Completed: <u>2/28/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624958 Long: -122.341703 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>55.26 feet (NAVD 88)</u>	Total Depth: <u>50 feet</u>	Depth to Groundwater: <u>34.16 feet</u>
Comments: <u>Well Tag ID: BLZ190</u>		

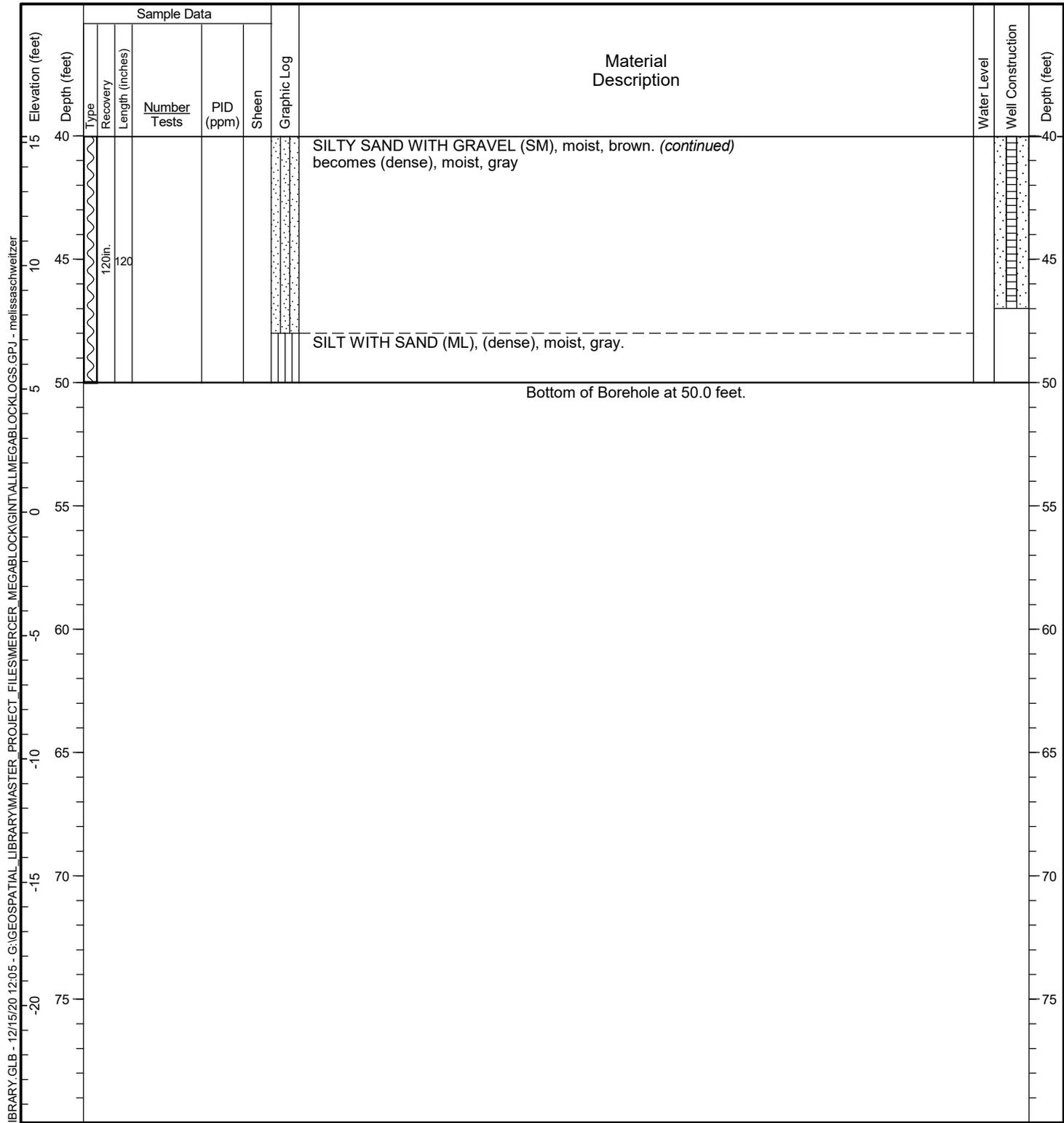


General Notes:

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.

Public Review Draft

Date Started: <u>2/28/20</u>	Date Completed: <u>2/28/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624958 Long: -122.341703 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>55.26 feet (NAVD 88)</u>	Total Depth: <u>50 feet</u>	Depth to Groundwater: <u>34.16 feet</u>
Comments: <u>Well Tag ID: BLZ190</u>		

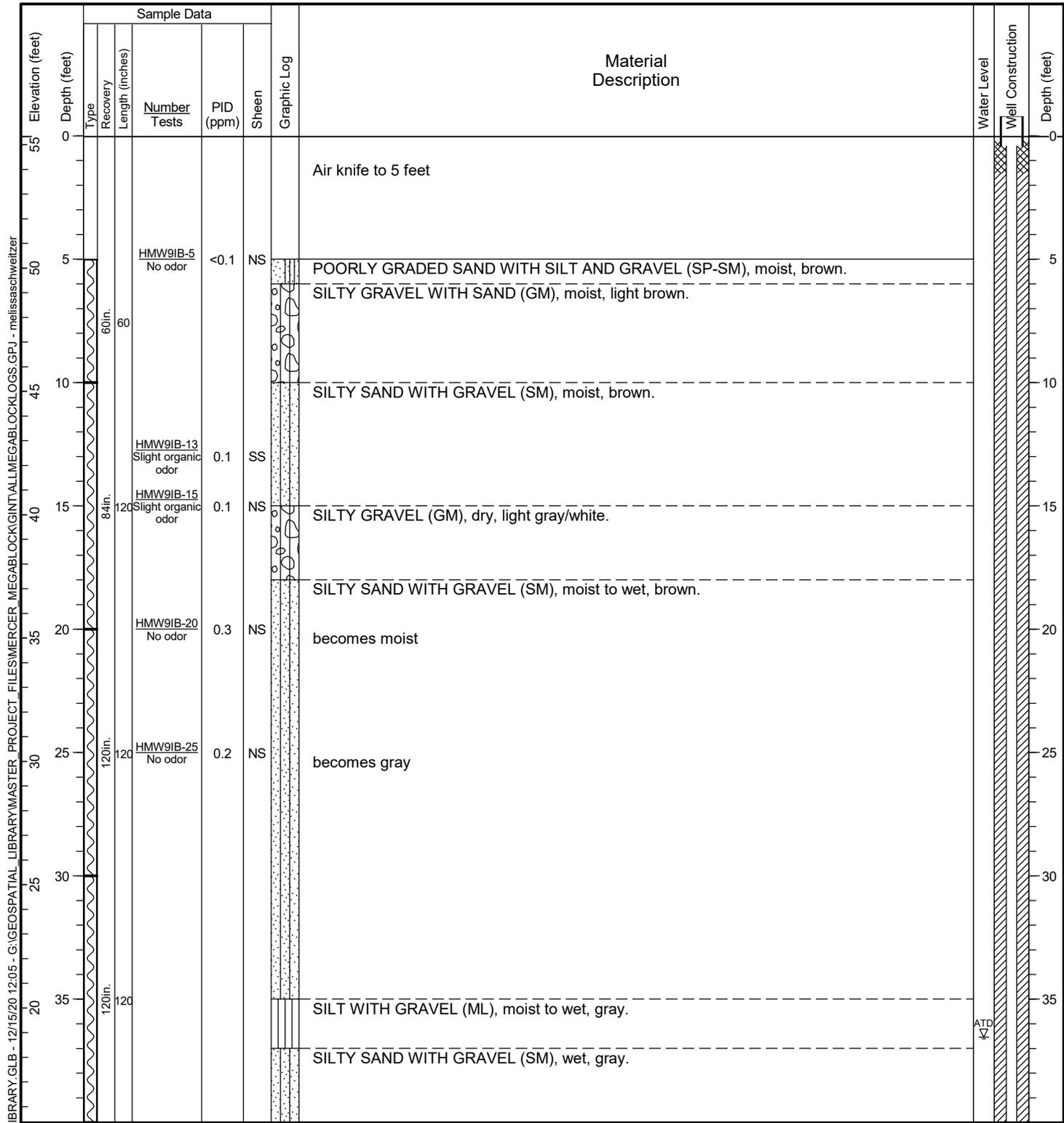


HC PUSH PROBE - F:\GINTIHC LIBRARY.GLB - 12/15/20 12:05 - G:\GEO SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER_MEGABLOCK\GINTIALLMEGABLOCKLOGS.GPJ - melissaschweitzer

- 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.

Public Review Draft

Date Started: <u>2/28/20</u>	Date Completed: <u>2/28/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624942 Long: -122.341704 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>55.36 feet (NAVD 88)</u>	Total Depth: <u>70 feet</u>	Depth to Groundwater: <u>36.54 feet</u>
Comments: <u>Well Tag ID: BLZ191</u>		

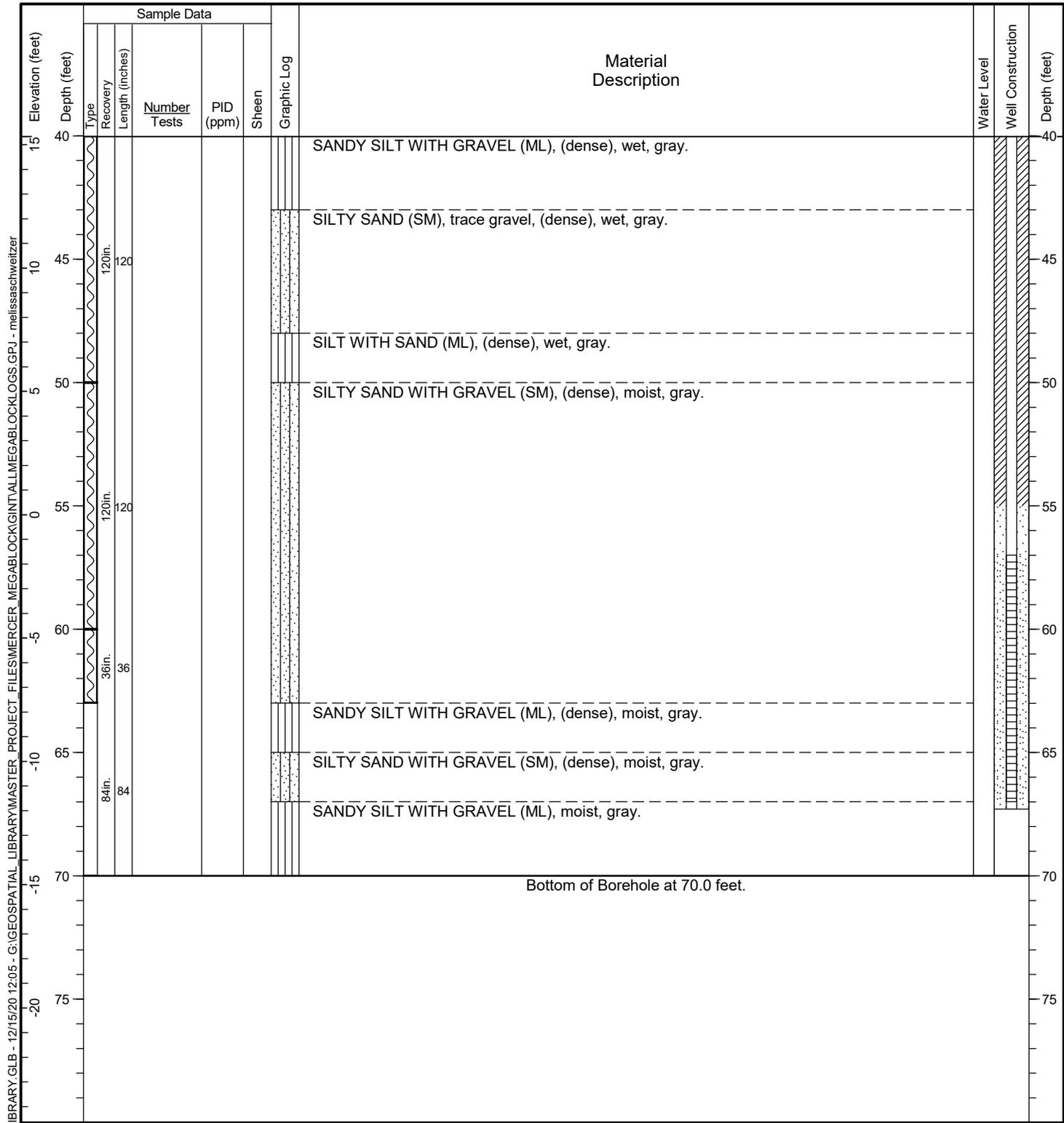


General Notes:

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.

Public Review Draft

Date Started: <u>2/28/20</u>	Date Completed: <u>2/28/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624942 Long: -122.341704 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>55.36 feet (NAVD 88)</u>	Total Depth: <u>70 feet</u>	Depth to Groundwater: <u>36.54 feet</u>
Comments: <u>Well Tag ID: BLZ191</u>		

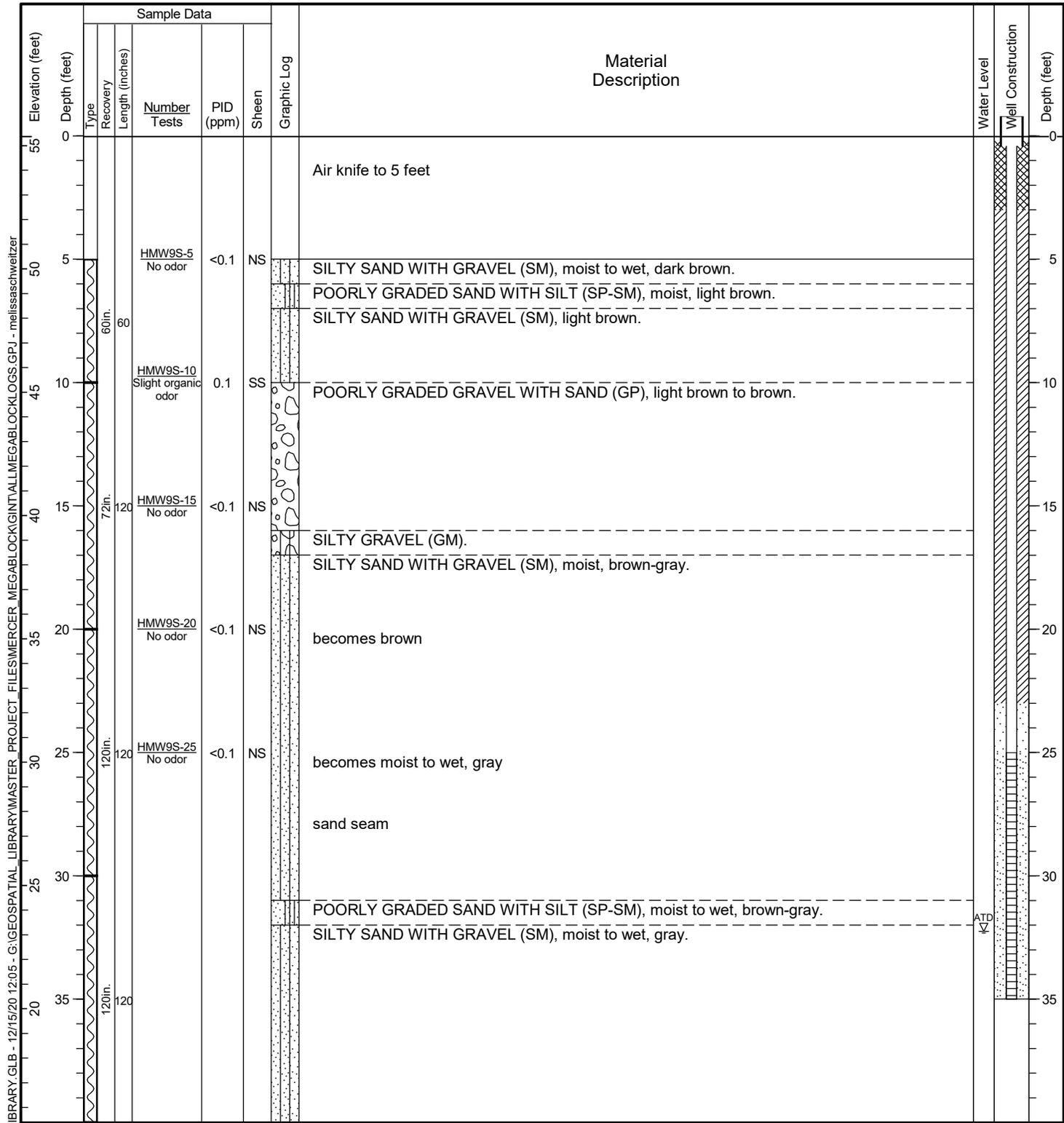


HC PUSH PROBE - F:\GINT\HC LIBRARY.GLB - 12/15/20 12:05 - G:\GEO\SPATIAL LIBRARY\MASTER_PROJECT_FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

- 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.

Public Review Draft

Date Started: 3/2/20	Date Completed: 3/2/20	Contractor/Crew: Cascade Drilling, L.P.
Logged by: A. Nakahara	Checked by: M. Goodman	Rig Model/Type: TSi 150CC
Location: Lat: 47.624949 Long: -122.341724 (WGS 84)	Hole Diameter: 6 inches	Casing Diameter: OD: 2 inches
Ground Surface Elevation: 55.39 feet (NAVD 88)	Total Depth: 40 feet	Depth to Groundwater: 32.25 feet
Comments: Well Tag ID: BLZ189		

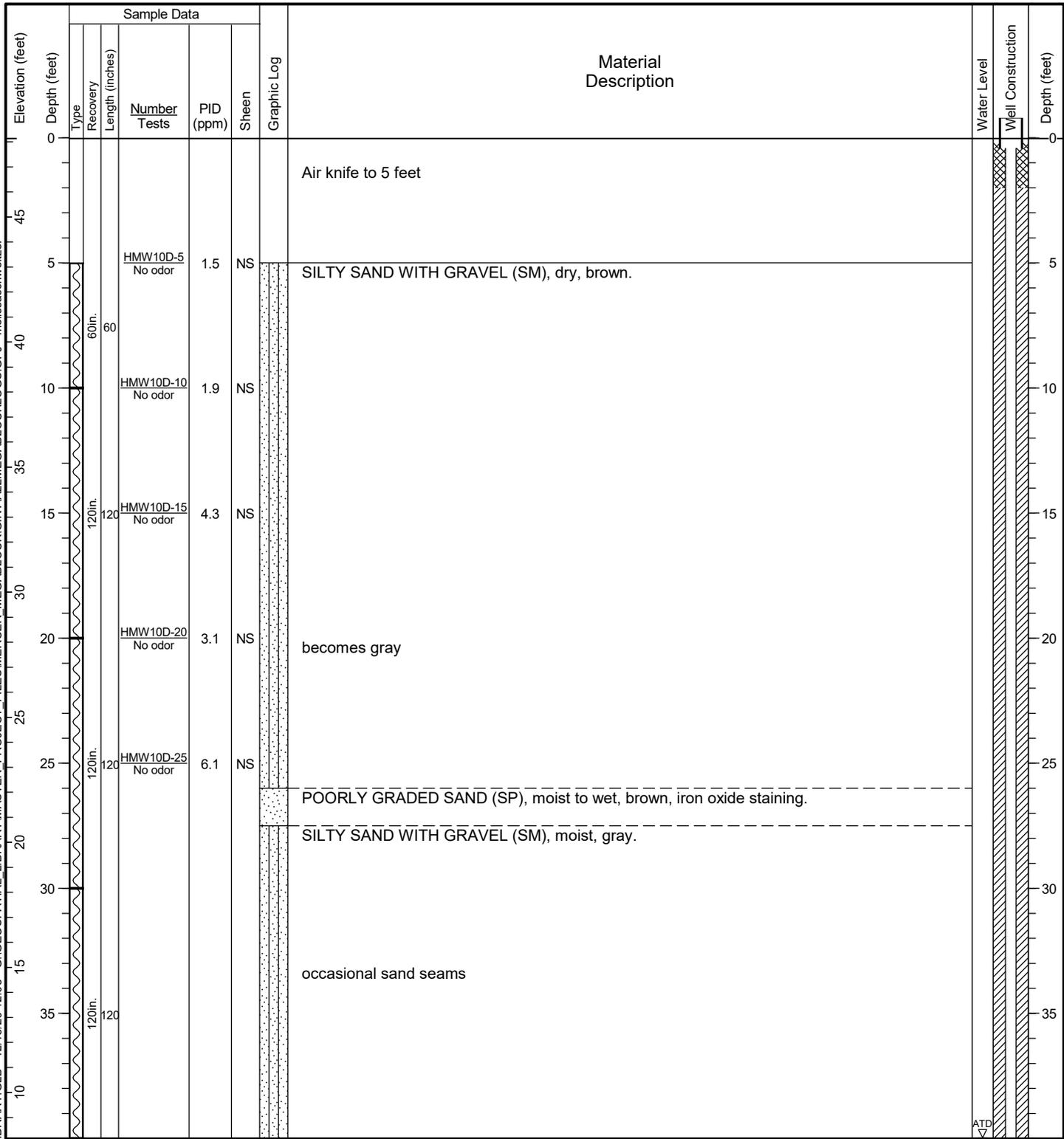


General Notes: Bottom of Borehole at 40.0 feet.

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

Public Review Draft

Date Started: 3/5/20	Date Completed: 3/5/20	Contractor/Crew: Cascade Drilling, L.P.
Logged by: A. Nakahara	Checked by: M. Goodman	Rig Model/Type: TSi 150CC
Location: Lat: 47.624845 Long: -122.340865 (WGS 84)	Hole Diameter: 6 inches	Casing Diameter: OD: 2 inches
Ground Surface Elevation: 48.16 feet (NAVD 88)	Total Depth: 90 feet	Depth to Groundwater: 39.97 feet
Comments: Well Tag ID: BLZ194		



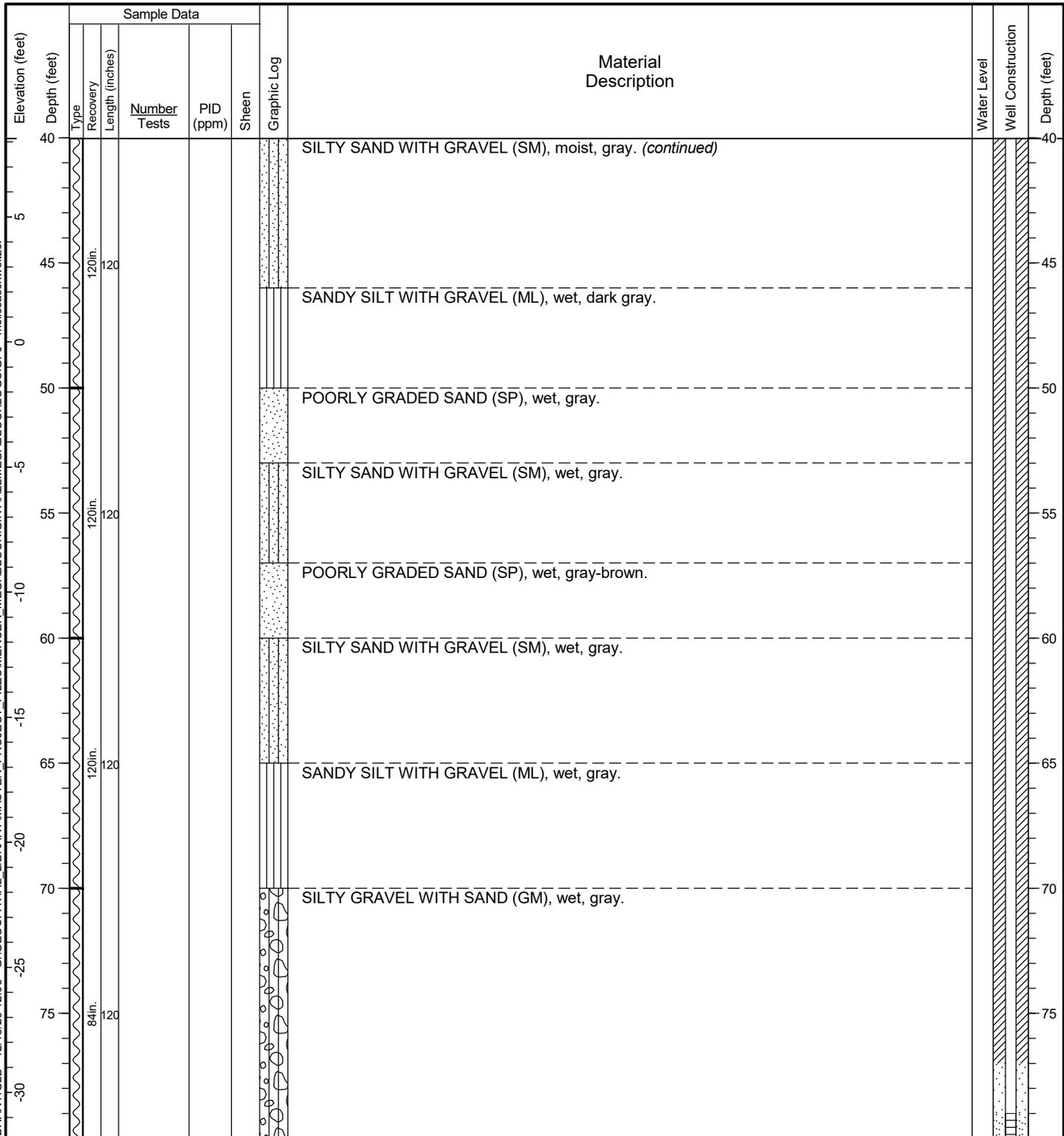
General Notes:

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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: <u>3/5/20</u>	Date Completed: <u>3/5/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624845 Long: -122.340865 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>48.16 feet (NAVD 88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>39.97 feet</u>
Comments: <u>Well Tag ID: BLZ194</u>		



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 PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer



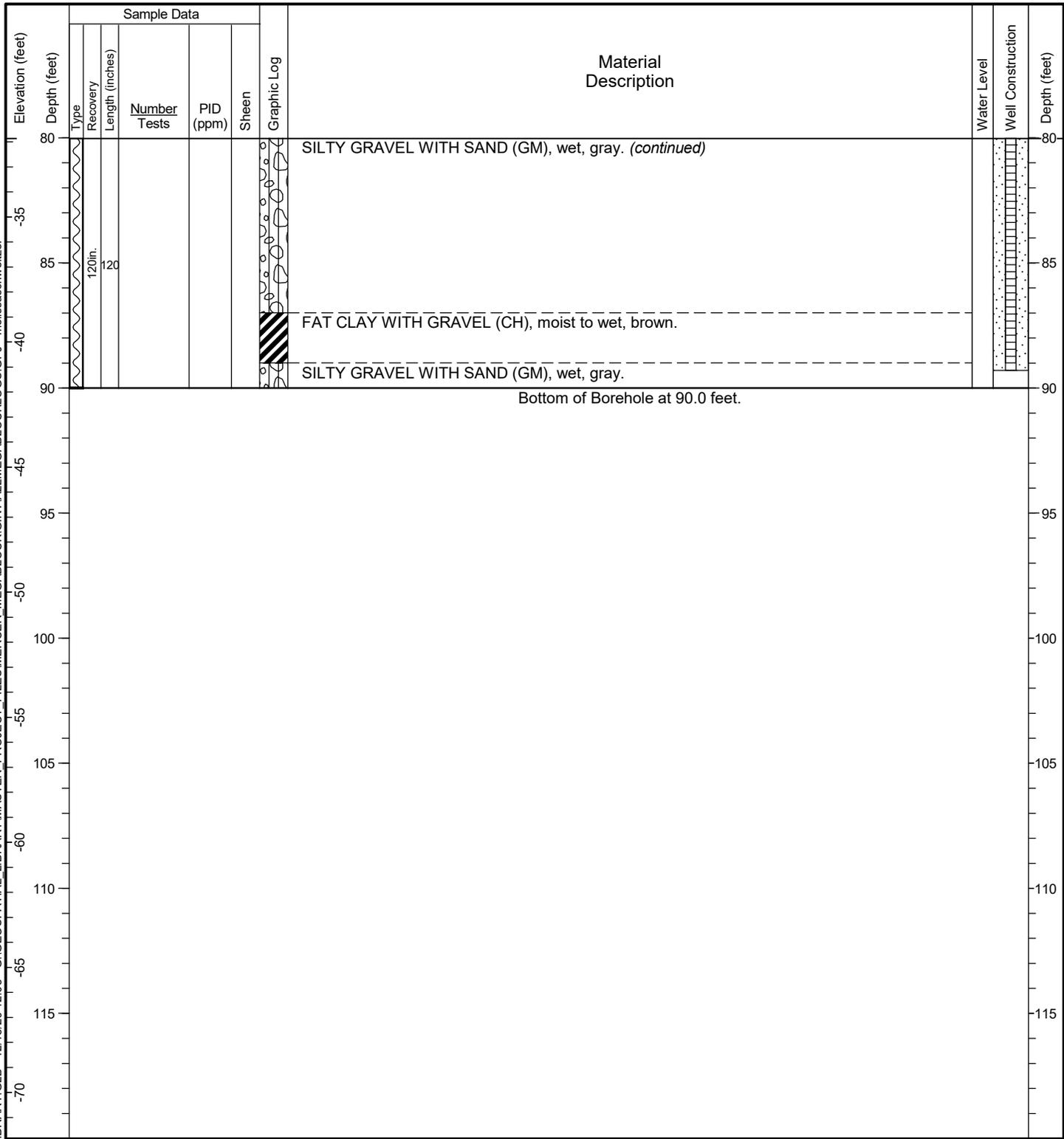
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Sonic Core Log
HMW-10D

Figure **A1-72**
 Sheet **2 of 3**

Public Review Draft

Date Started: <u>3/5/20</u>	Date Completed: <u>3/5/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>A. Nakahara</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624845 Long: -122.340865 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>48.16 feet (NAVD 88)</u>	Total Depth: <u>90 feet</u>	Depth to Groundwater: <u>39.97 feet</u>
Comments: <u>Well Tag ID: BLZ194</u>		



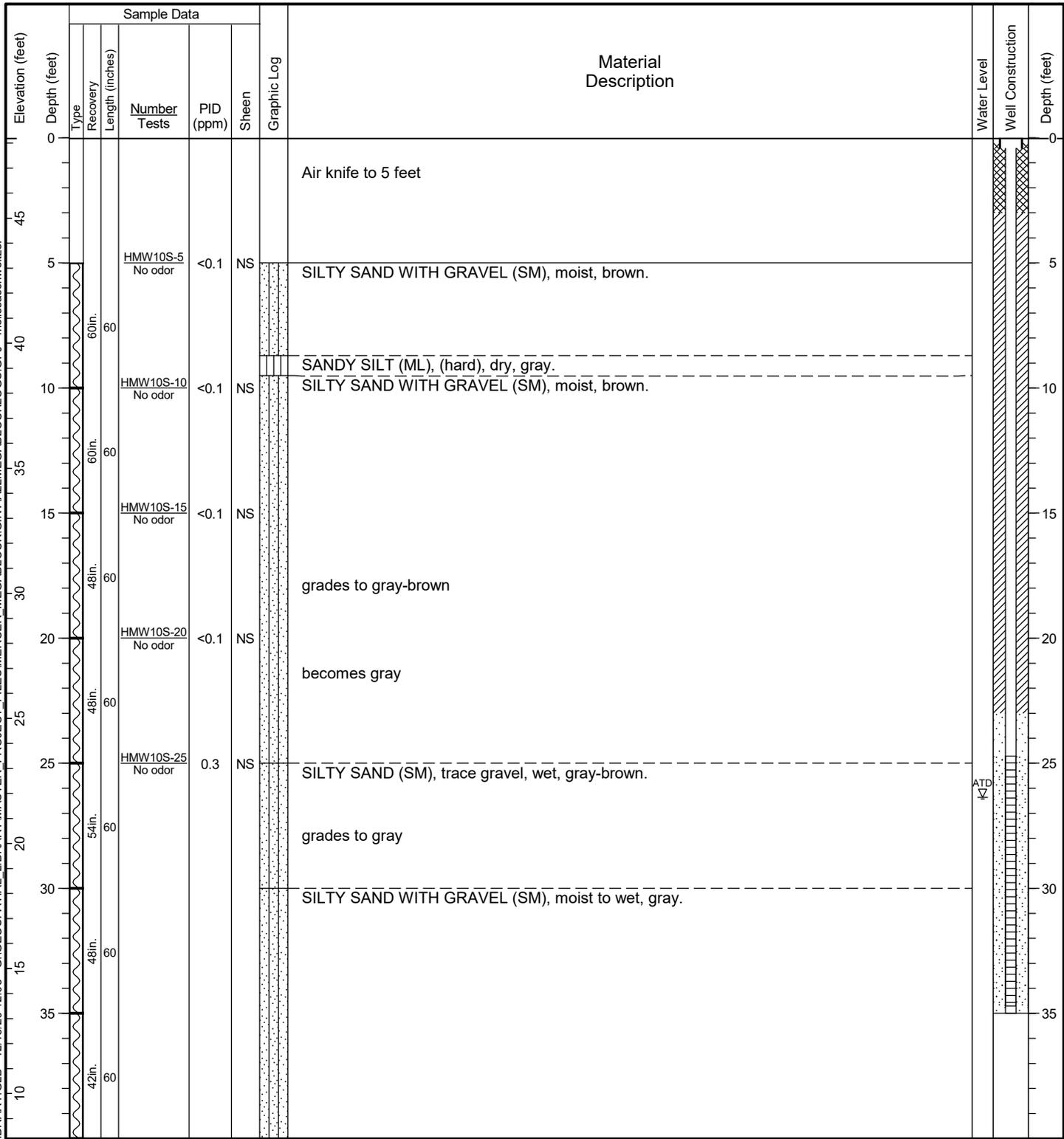
HC PUSH PROBE - F:\GINT\HC_LIBRARY.GLB - 12/15/20 12:05 - G:\GEO\SPATIAL_LIBRARY\MASTER_PROJECT_FILES\MERCER_MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

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.

Public Review Draft

Date Started: 3/3/20	Date Completed: 3/3/20	Contractor/Crew: Cascade Drilling, L.P. / Rico
Logged by: B. Dozier	Checked by: M. Goodman	Rig Model/Type: GS Mini Sonic - DB320
Location: Lat: 47.624843 Long: -122.340880 (WGS 84)	Hole Diameter: 7 inches	Casing Diameter: OD: 2 inches
Ground Surface Elevation: 48.21 feet (NAVD 88)	Total Depth: 40 feet	Depth to Groundwater: 26.37 feet
Comments: Well Tag ID: BLZ193		



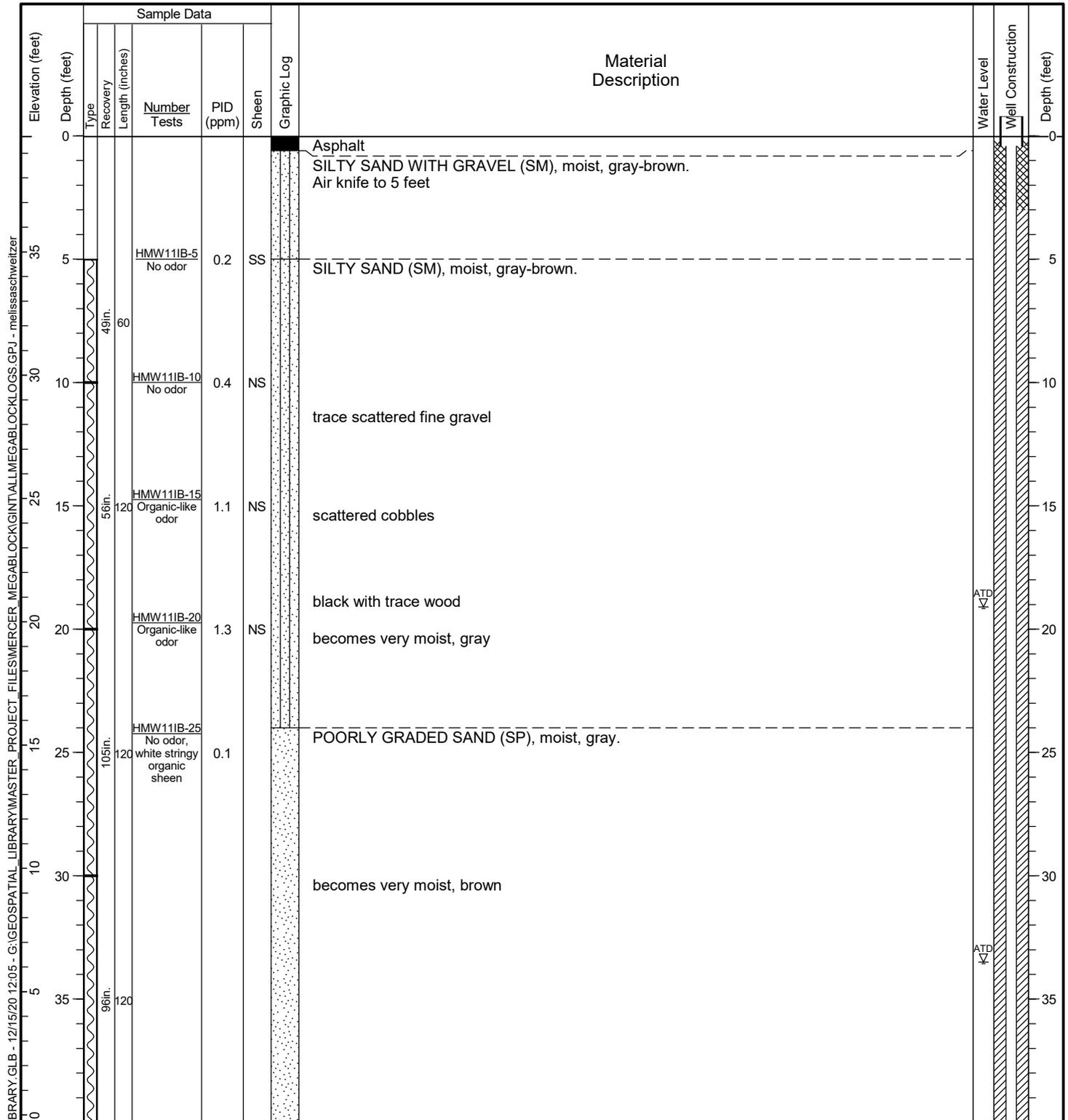
General Notes: Bottom of Borehole at 40.0 feet.

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

HC PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

Date Started: <u>2/24/20</u>	Date Completed: <u>2/24/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P. / Dan</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624855 Long: -122.340032 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>39.7 feet (NAVD 88)</u>	Total Depth: <u>70 feet</u>	Depth to Groundwater: <u>33.5 feet</u>
Comments: <u>Well Tag ID: BLZ196</u>		

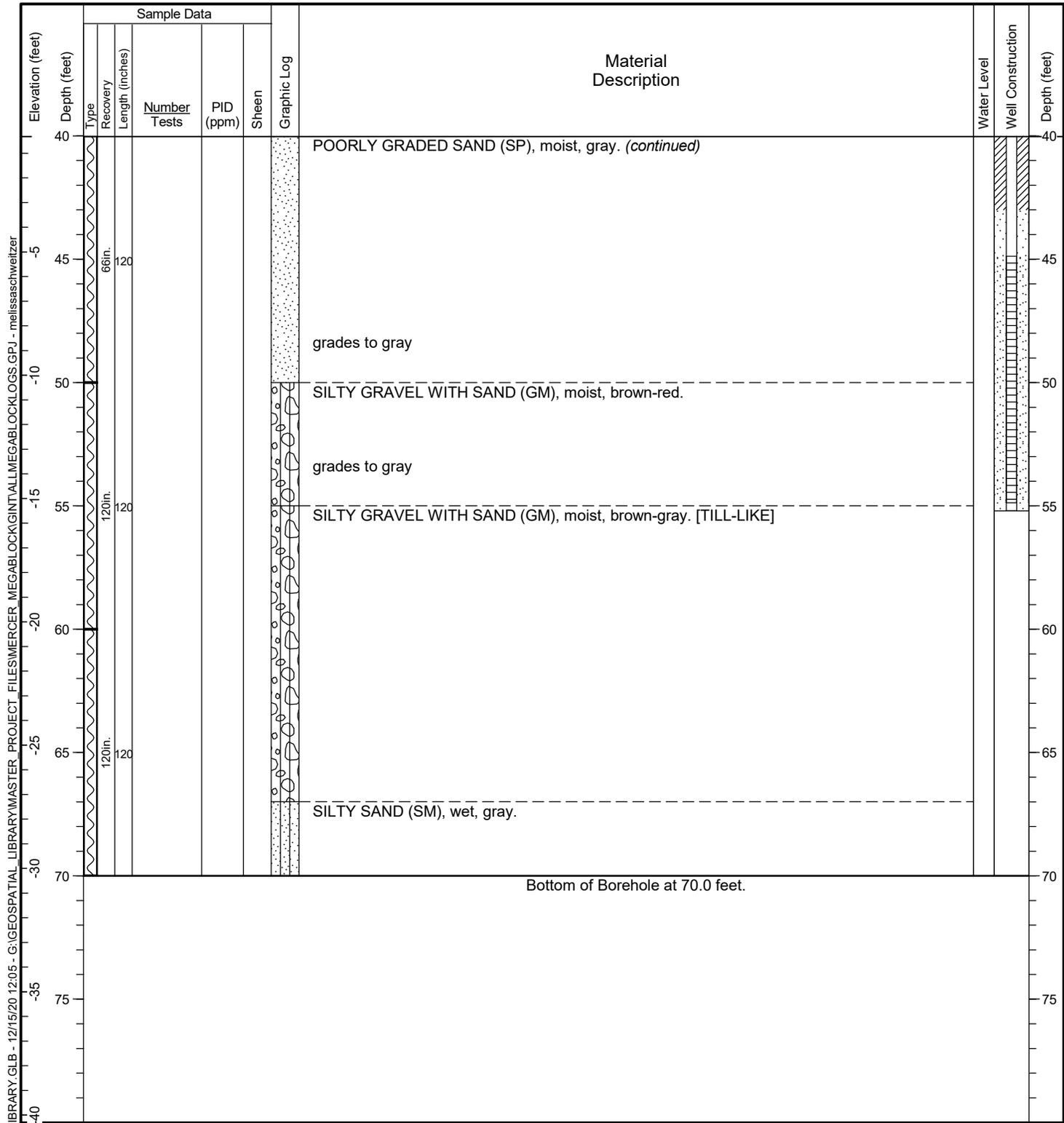


General Notes:

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.

Public Review Draft

Date Started: <u>2/24/20</u>	Date Completed: <u>2/24/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P. / Dan</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624855 Long: -122.340032 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>39.7 feet (NAVD 88)</u>	Total Depth: <u>70 feet</u>	Depth to Groundwater: <u>33.5 feet</u>
Comments: <u>Well Tag ID: BLZ196</u>		

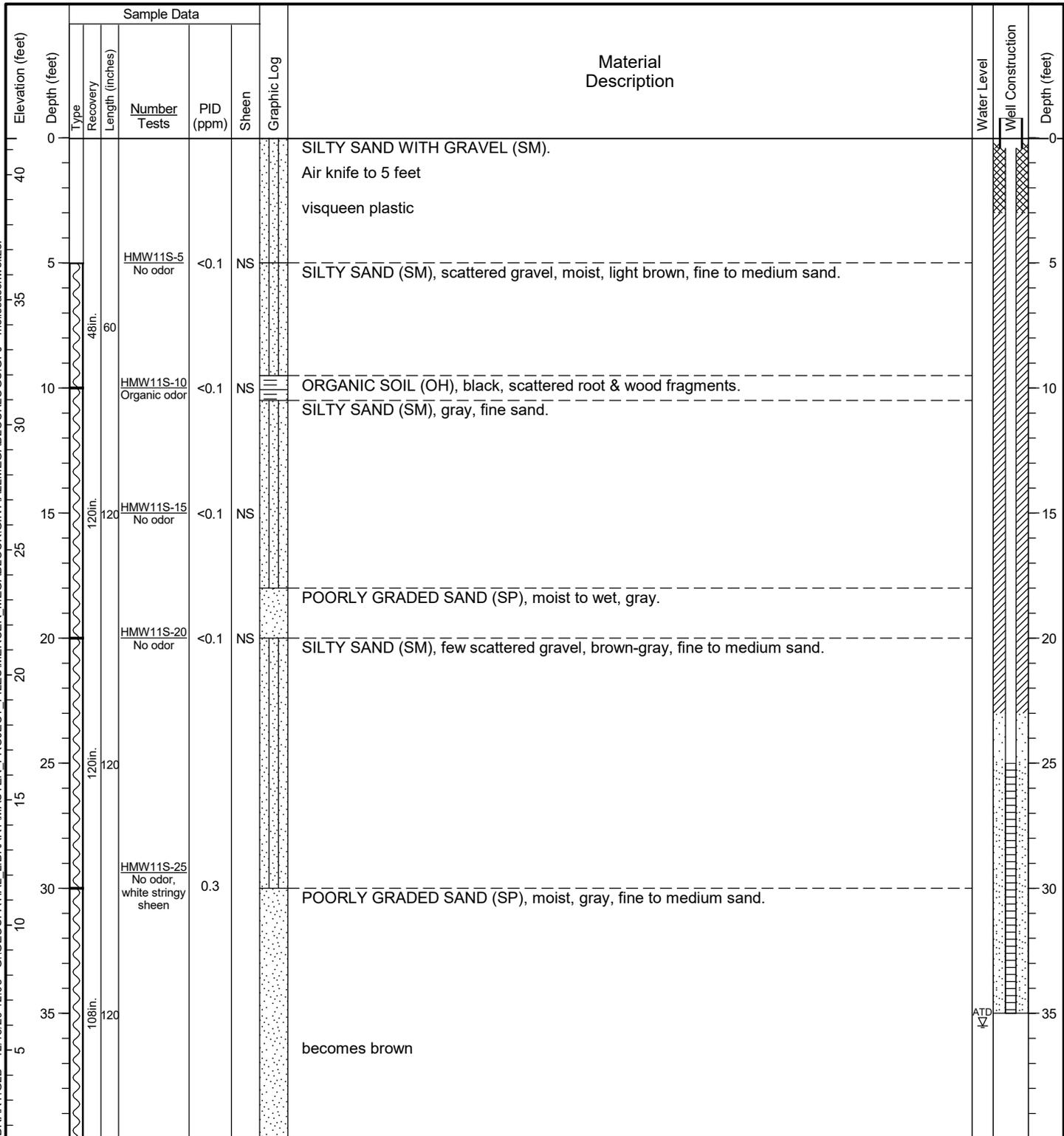


HC PUSH PROBE - F:\GINT\HC LIBRARY.GLB - 12/15/20 12:05 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

- 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.

Public Review Draft

Date Started: <u>2/24/20</u>	Date Completed: <u>2/24/20</u>	Contractor/Crew: <u>Cascade Drilling, L.P.</u>
Logged by: <u>B. Dozier</u>	Checked by: <u>M. Goodman</u>	Rig Model/Type: <u>TSi 150CC</u>
Location: <u>Lat: 47.624882 Long: -122.340043 (WGS 84)</u>	Hole Diameter: <u>6 inches</u>	Casing Diameter: <u>OD: 2 inches</u>
Ground Surface Elevation: <u>41.47 feet (NAVD 88)</u>	Total Depth: <u>40 feet</u>	Depth to Groundwater: <u>35.5 feet</u>
Comments: <u>Well Tag ID: BLZ195</u>		



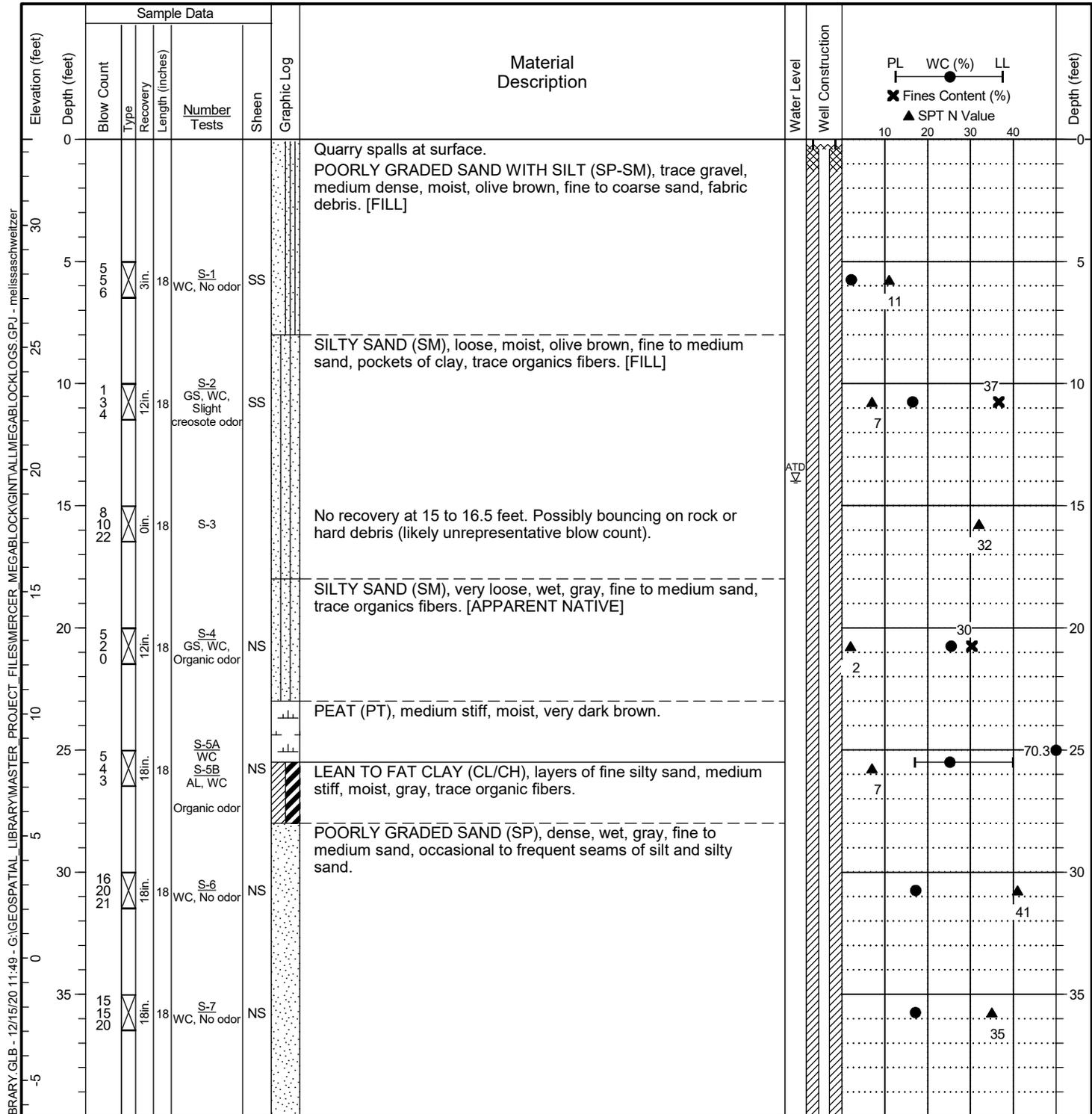
General Notes: Bottom of Borehole at 40.0 feet.

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

HC PUSH PROBE - F:\GINT\HC LIBRARY\GLB - 12/15/20 12:05 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

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

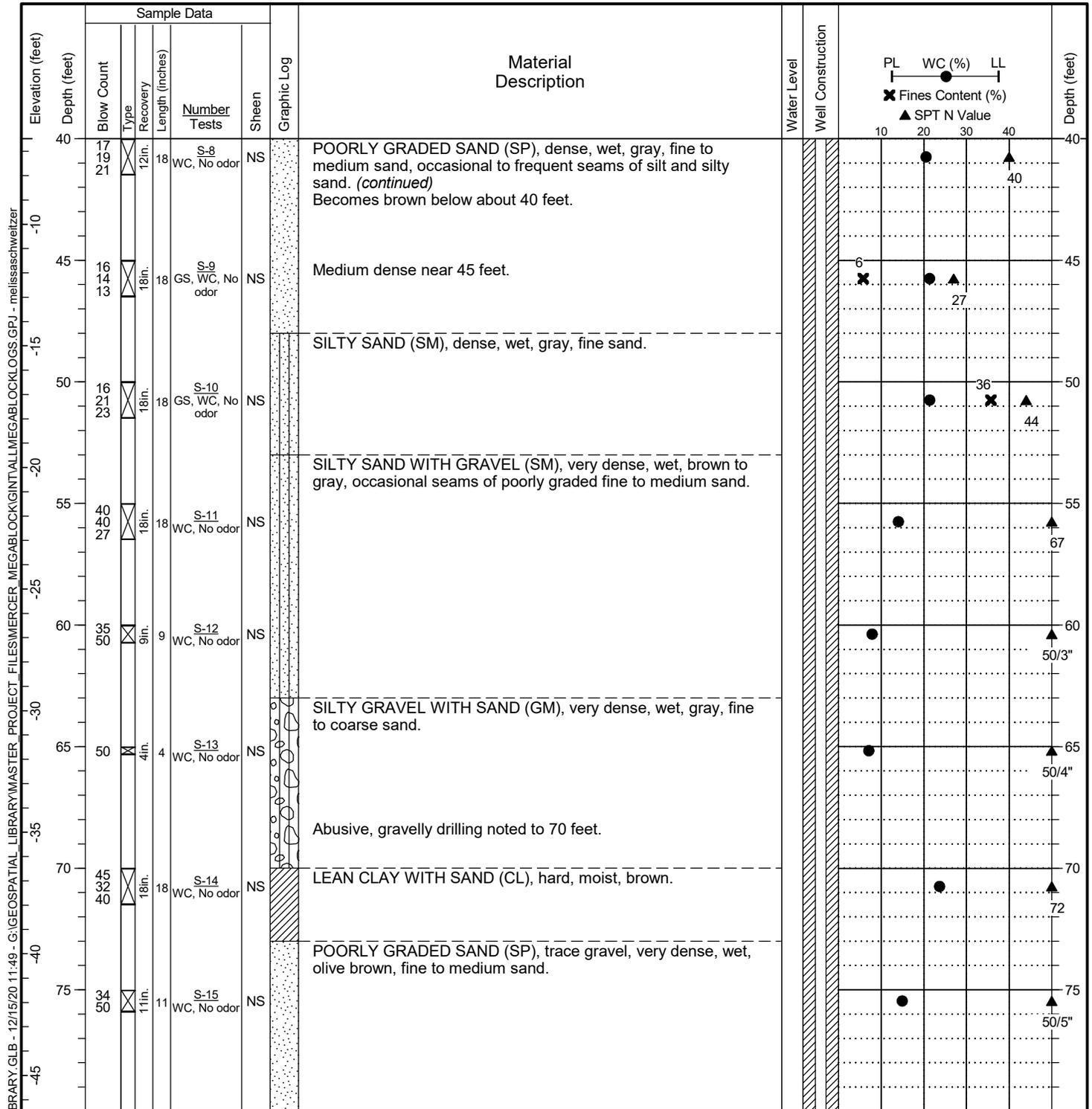


General Notes:

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.

Public Review Draft

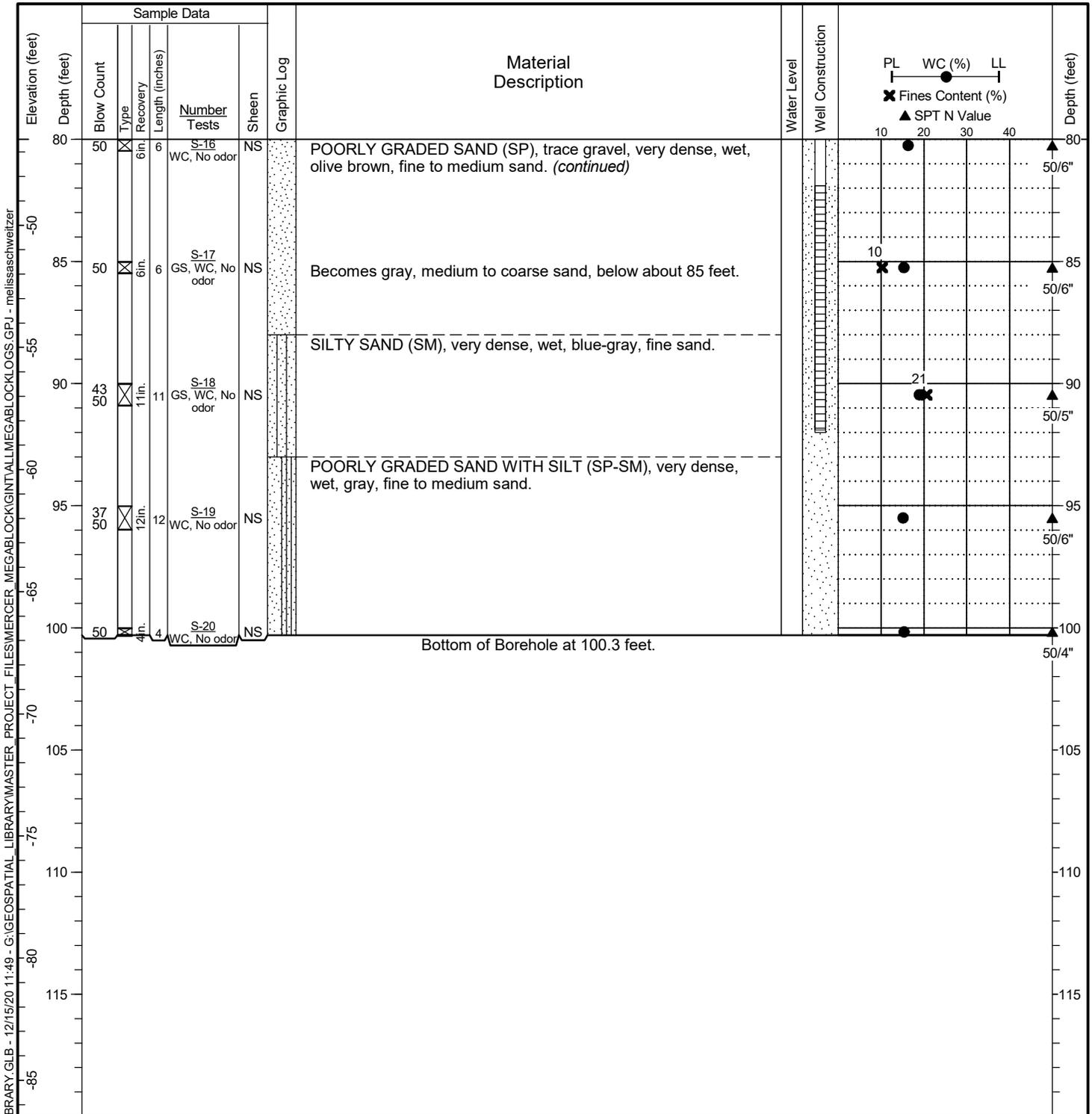
Date Started: 7/13/20	Date Completed: 7/16/20	Drilling Contractor/Crew: Holt Services, Inc. / A. Causland
Logged by: C. Kroskie/L. Phillips	Checked by: J. Sved	Drilling Method: Mud Rotary/Hollow Stem Auger
Location: Lat: 47.625239 Long: -122.339947 (WGS 84)		Rig Model/Type: Mobile B-57 / Track-mounted 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:**
- Refer to Figure A1-1 for explanation of descriptions and symbols.
 - Material stratum lines are interpretive and actual changes may be gradual. Solid lines indicate distinct contacts and dashed lines indicate gradual or approximate contacts.
 - USCS designations are based on visual-manual identification (ASTM D 2488), unless otherwise supported by laboratory testing (ASTM D 2487).
 - Groundwater level, if indicated, is at time of drilling/excavation (ATD) or for date specified. Level may vary with time.
 - Location and ground surface elevations are approximate.

Public Review Draft

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.



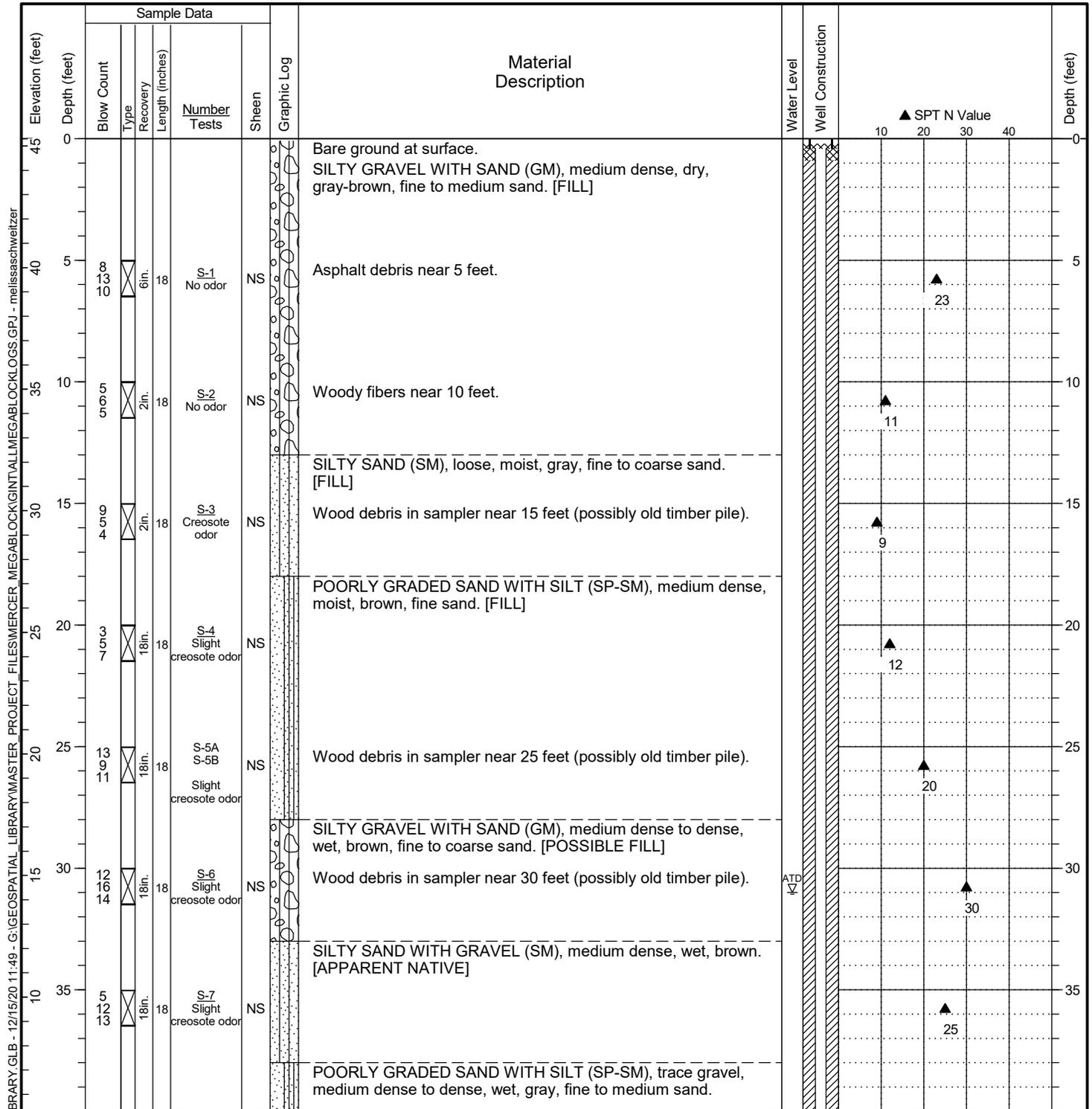
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

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\ALL MEGABLOCK LOGS.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.

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 - melissaschwitzer

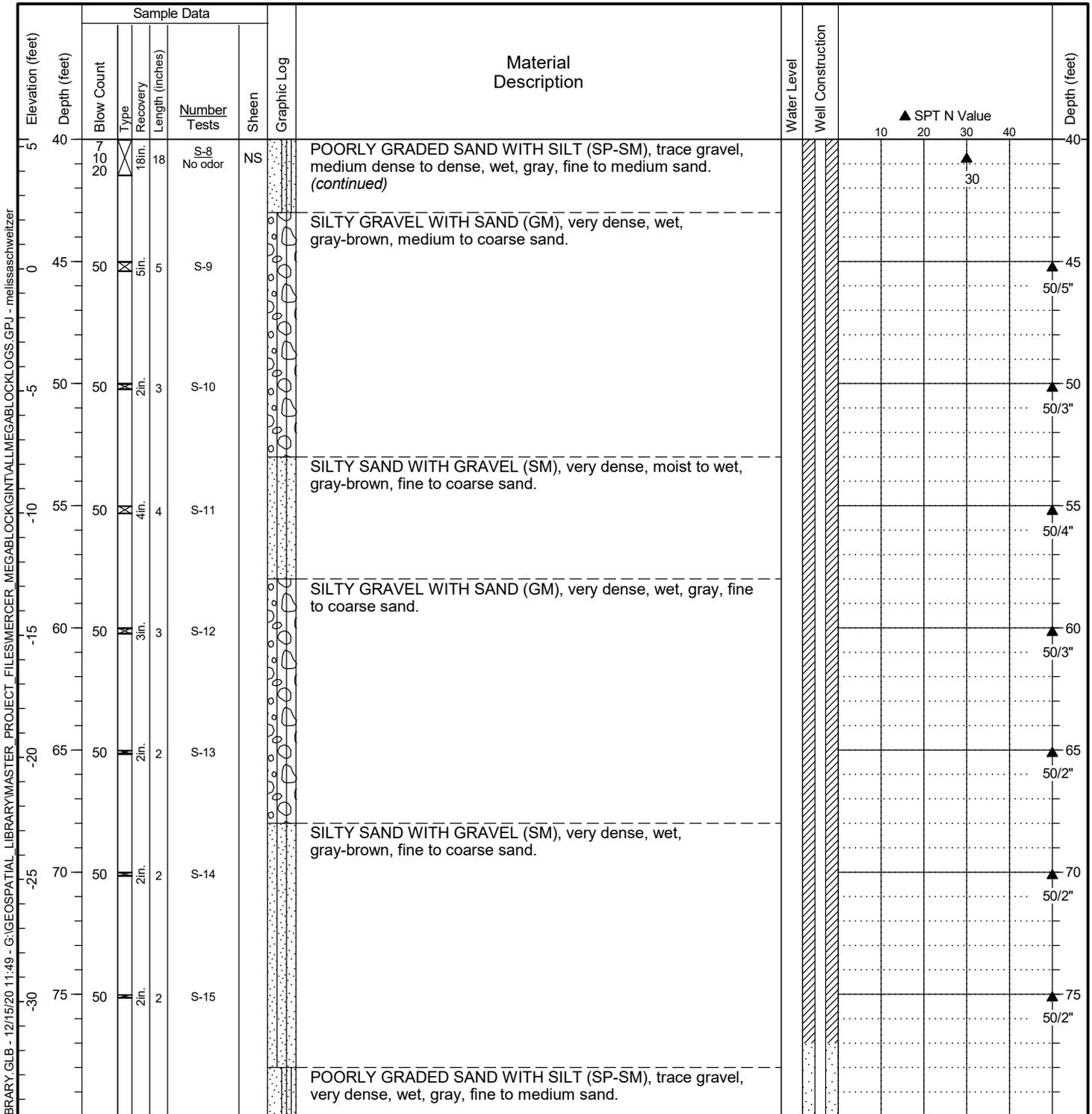


Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

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

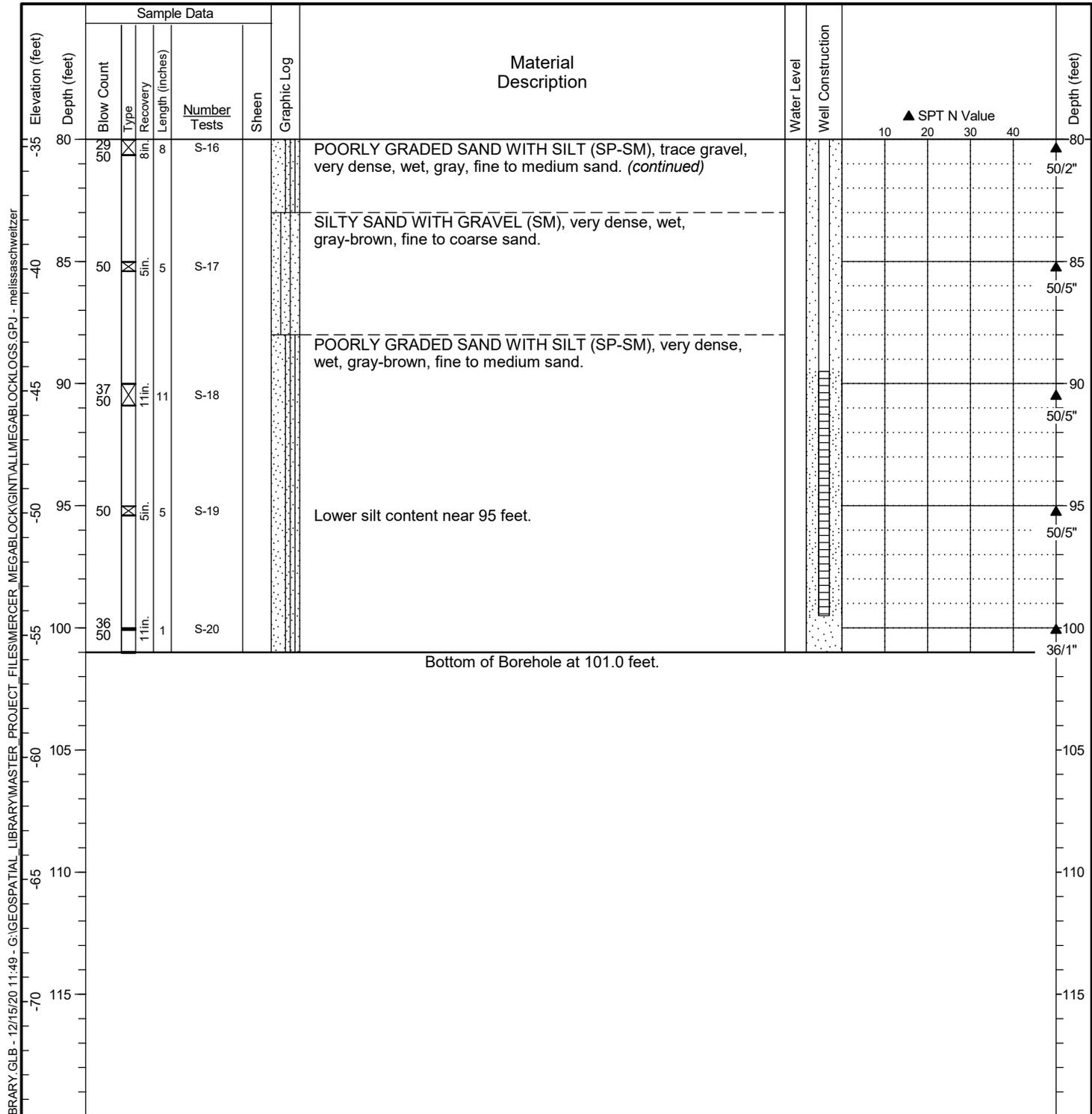


General Notes:

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.

Public Review Draft

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.

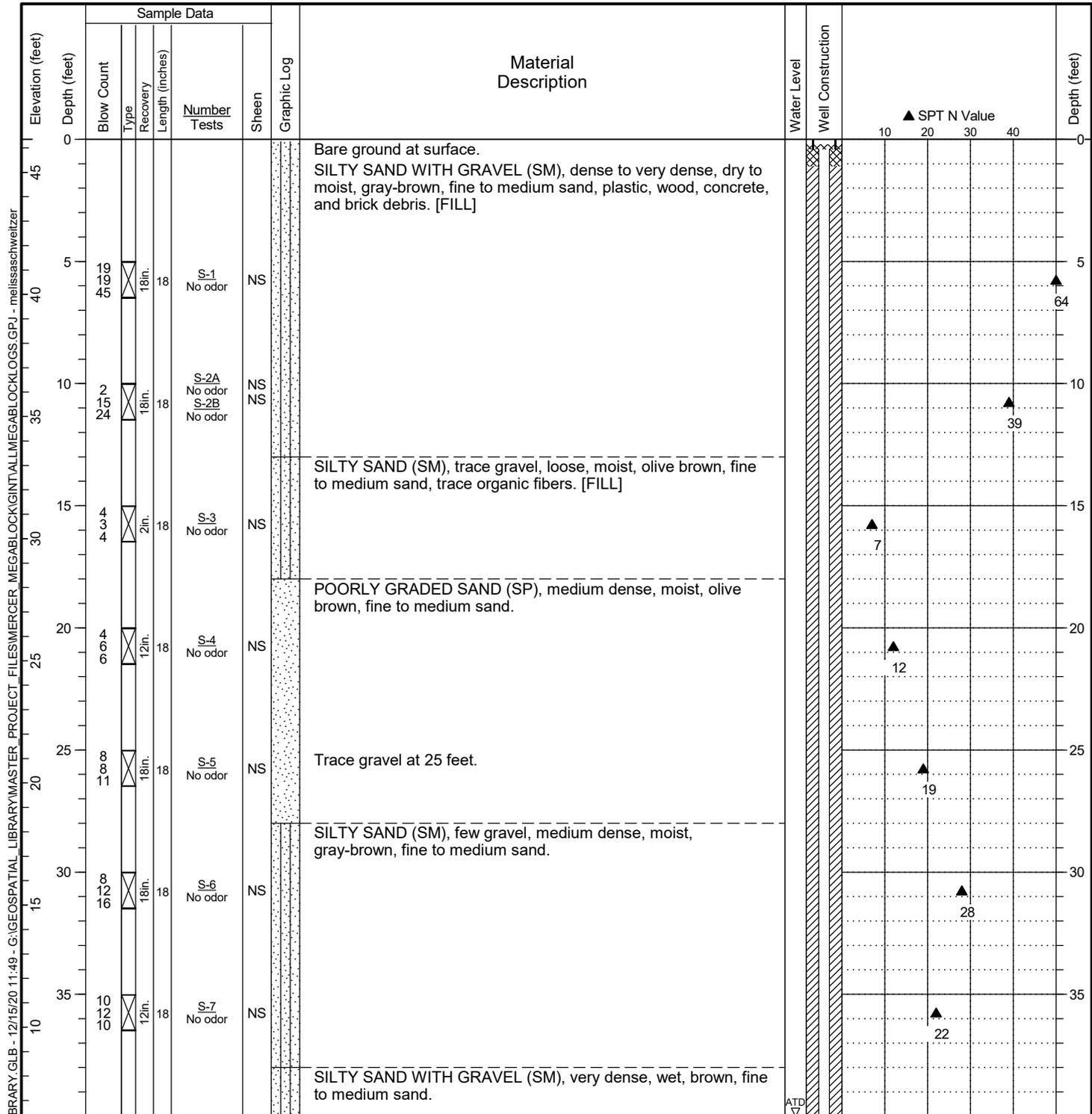


Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
HMW-13D

Figure **A1-77**
 Sheet **3 of 3**

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

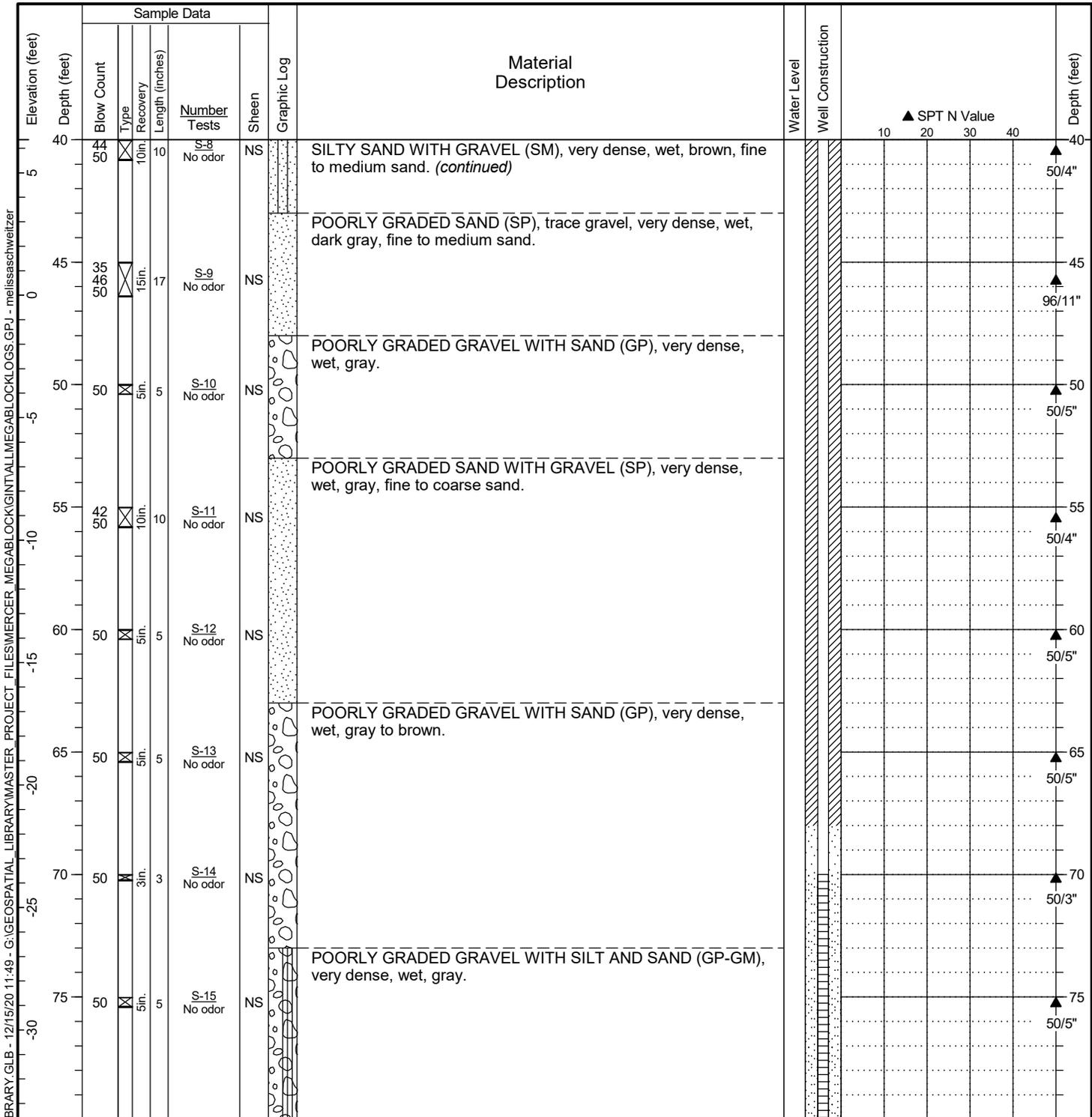


General Notes:

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.

Public Review Draft

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

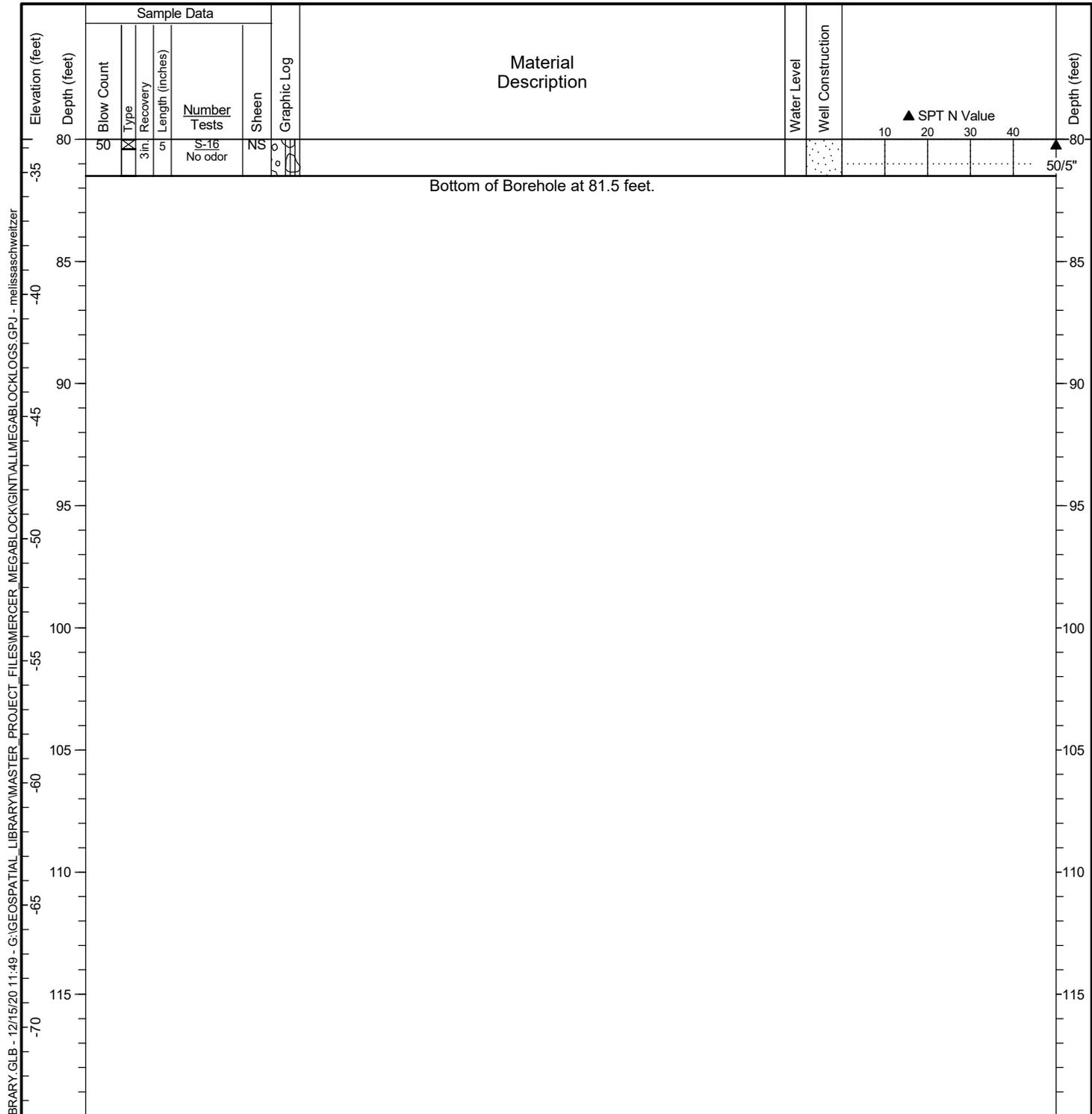


General Notes:

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.

Public Review Draft

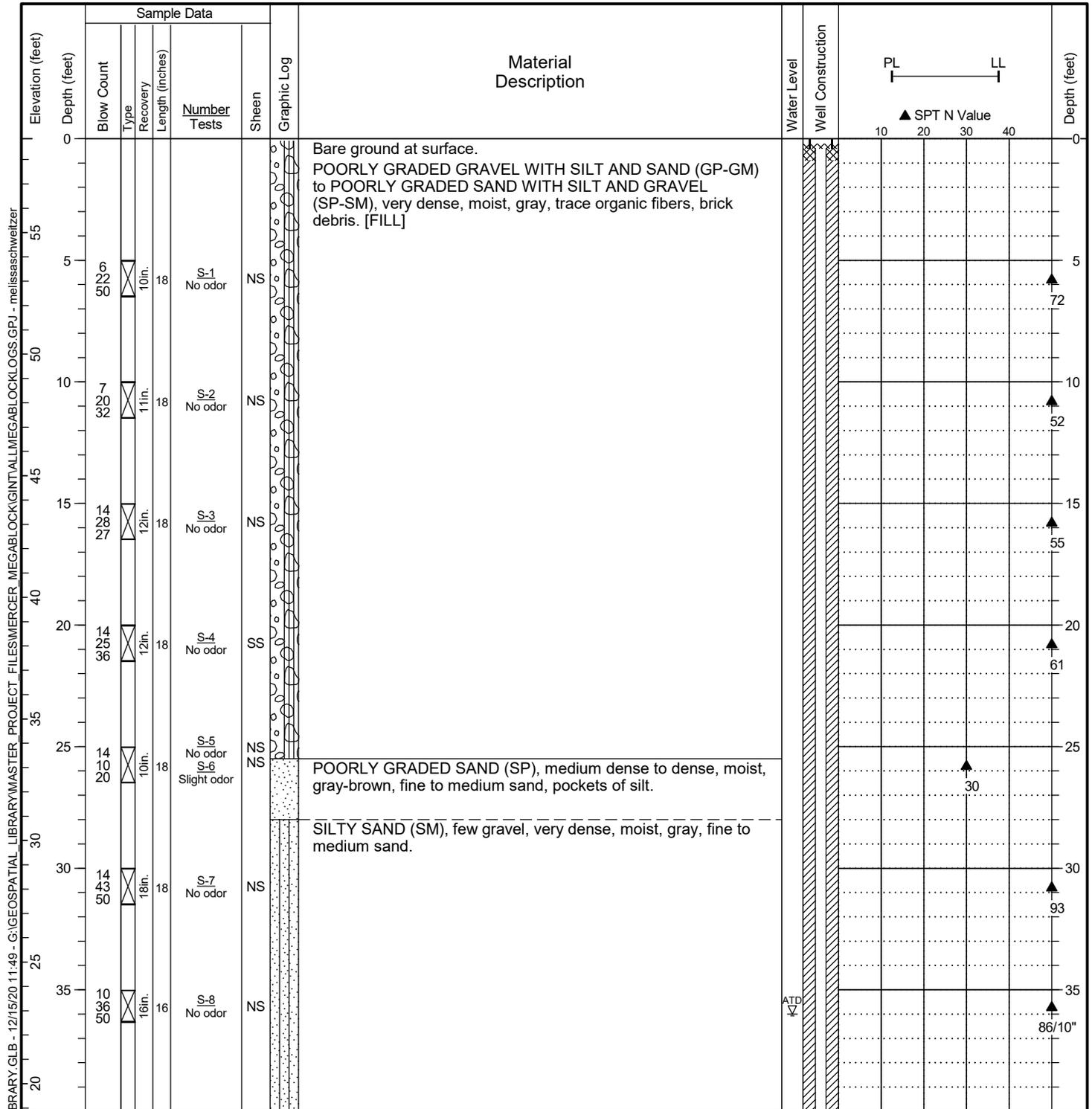
Date Started: <u>7/17/20</u>	Date Completed: <u>7/20/20</u>	Drilling Contractor/Crew: <u>Holt Services, Inc. / J. Bennett</u>
Logged by: <u>C. Kroskie/A. Finigan</u>	Checked by: <u>J. Sved</u>	Drilling Method: <u>Mud Rotary/Hollow Stem Auger</u>
Location: <u>Lat: 47.624882 Long: -122.340402 (WGS 84)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



HC BORING LOG - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:49 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCK LOGS.GPJ - melissaschweitzer

- 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: <u>7/15/20</u>	Date Completed: <u>7/16/20</u>	Drilling Contractor/Crew: <u>Holt Services, Inc. / J. Bennett</u>
Logged by: <u>A. Finigan</u>	Checked by: <u>J. Sved</u>	Drilling Method: <u>Mud Rotary/Hollow Stem Auger</u>
Location: <u>Lat: 47.624683 Long: -122.342064 (WGS 84)</u>		Rig Model/Type: <u>CME-85 / Truck-mounted drill rig</u>
Ground Surface Elevation: <u>58.86 feet (NAVD 88)</u>		Hammer Type: <u>Auto-hammer</u>
Comments: <u>Well Tag ID: BMP316</u>		Hammer Weight (pounds): <u>140</u> Hammer Drop Height (inches): <u>30</u>
		Measured Hammer Efficiency (%): <u>Not Available</u>
		Hole Diameter: <u>6 inches</u> Casing Diameter: _____
		Total Depth: <u>76.5 feet</u> Depth to Groundwater: <u>36 feet</u>

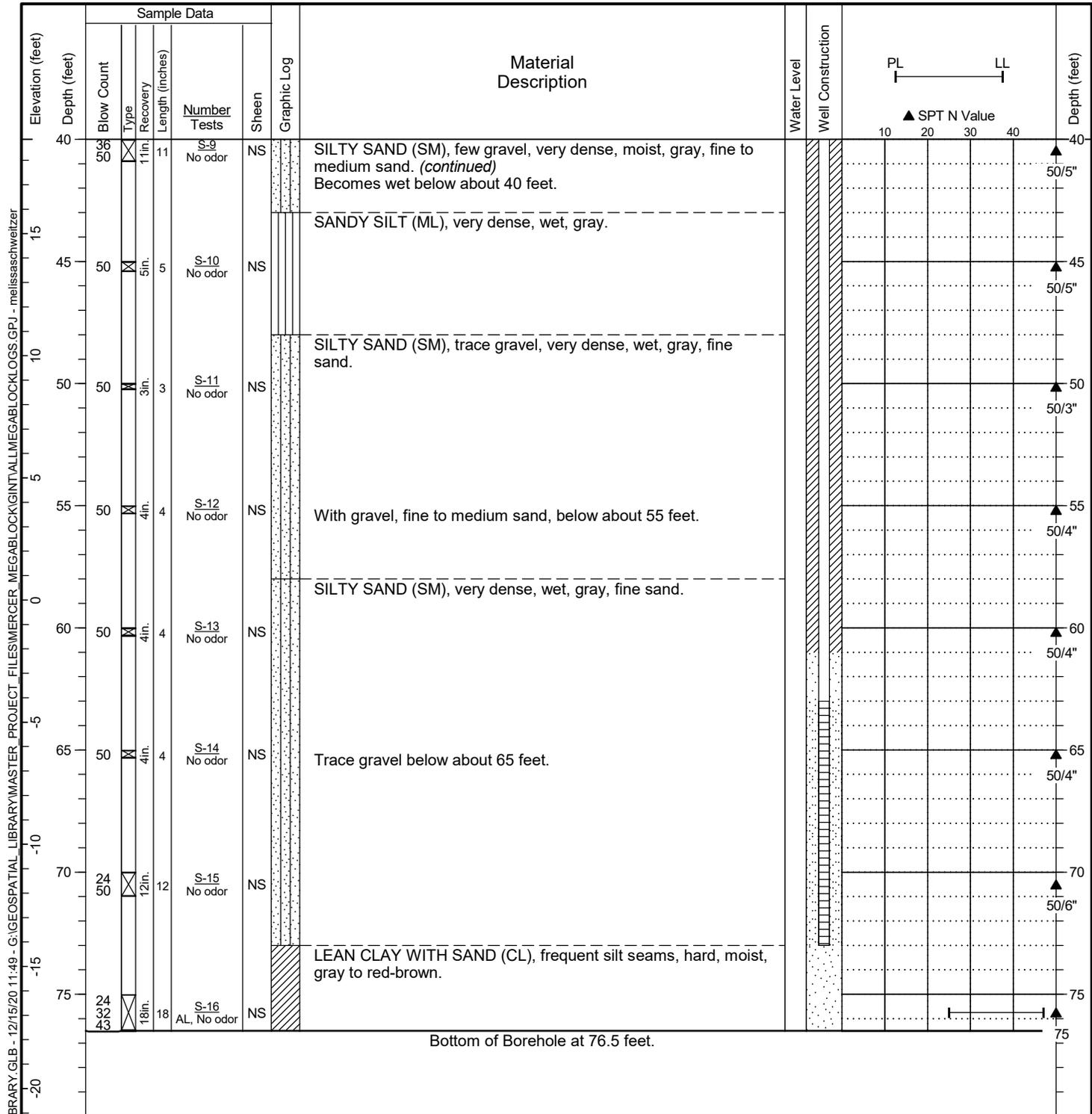


General Notes:

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.

Public Review Draft

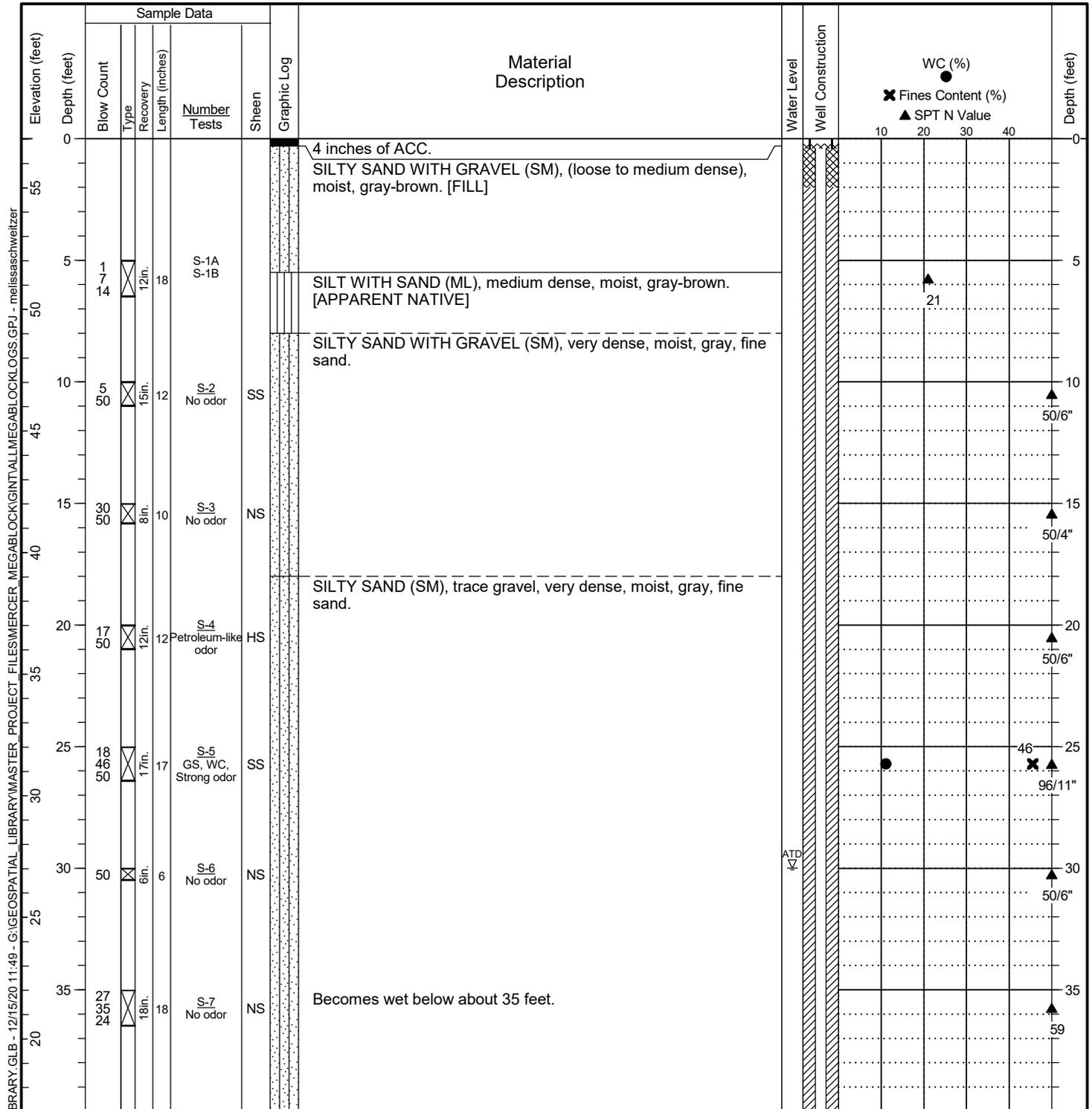
Date Started: 7/15/20	Date Completed: 7/16/20	Drilling Contractor/Crew: Holt Services, Inc. / J. Bennett
Logged by: A. Finigan	Checked by: J. Sved	Drilling Method: Mud Rotary/Hollow Stem Auger
Location: Lat: 47.624683 Long: -122.342064 (WGS 84)		Rig Model/Type: CME-85 / Truck-mounted drill rig
Ground 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.

HC BORING LOG - F:\GINT\HC LIBRARY.GLB - 12/15/20 11:49 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCK LOGS.GPJ - melissaschweitzer

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



General Notes:

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



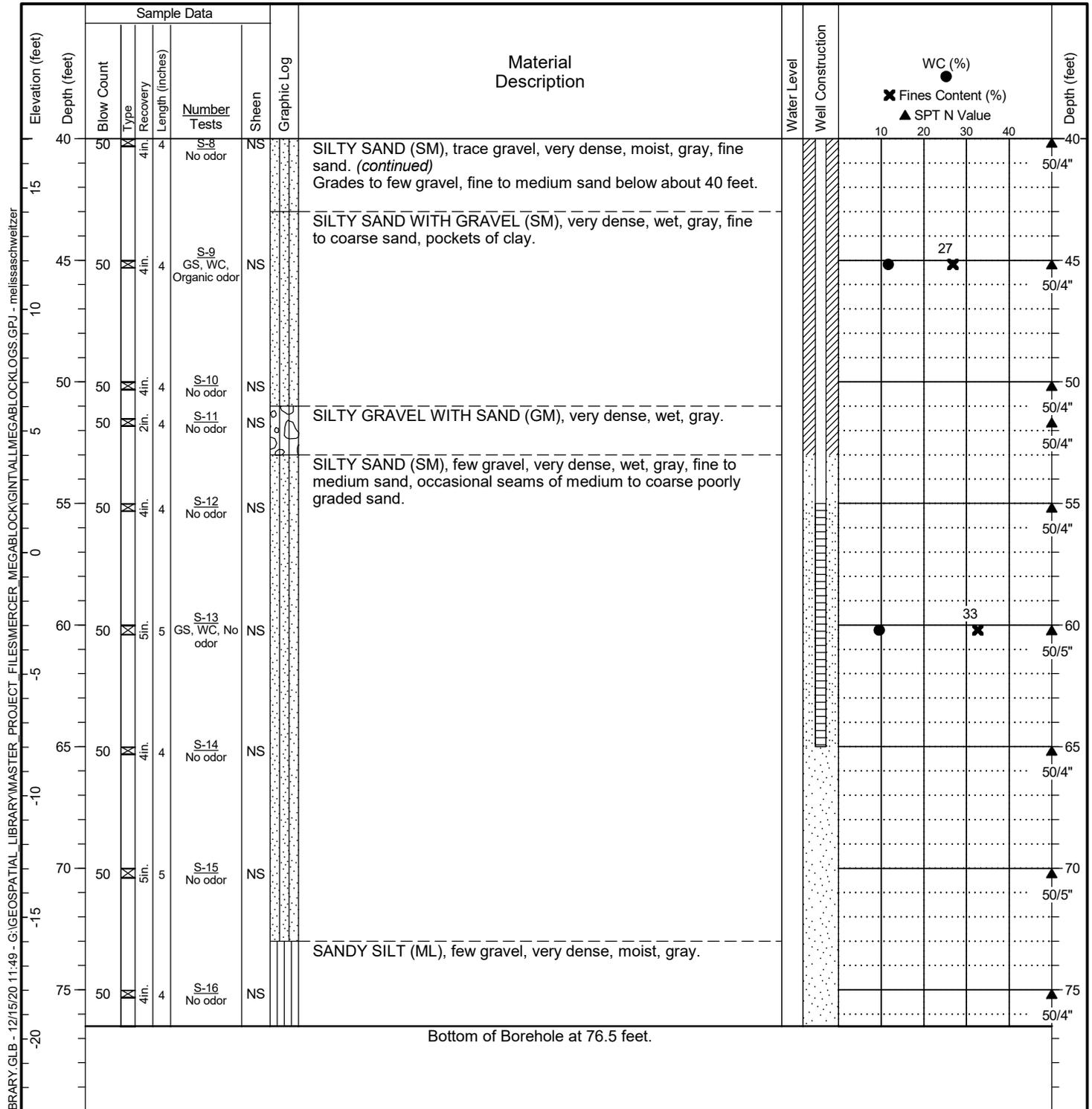
Project: Seattle DOT Mercer Parcels Site
 Location: Seattle, Washington
 Project No.: 19409-04

Boring Log
HMW-161B

Figure **A1-80**
 Sheet 1 of 2

Public Review Draft

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

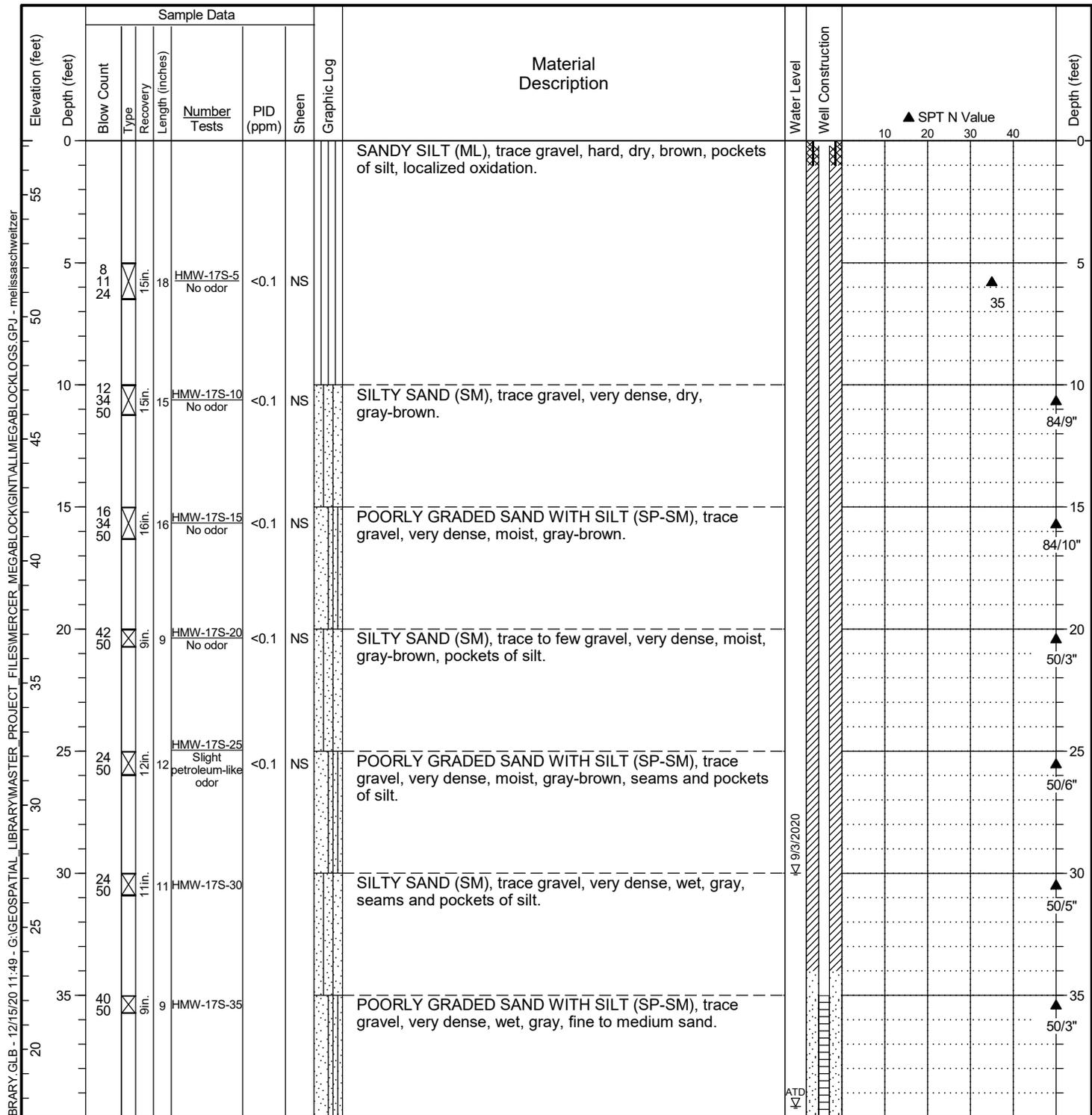


General Notes:

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

Public Review Draft

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

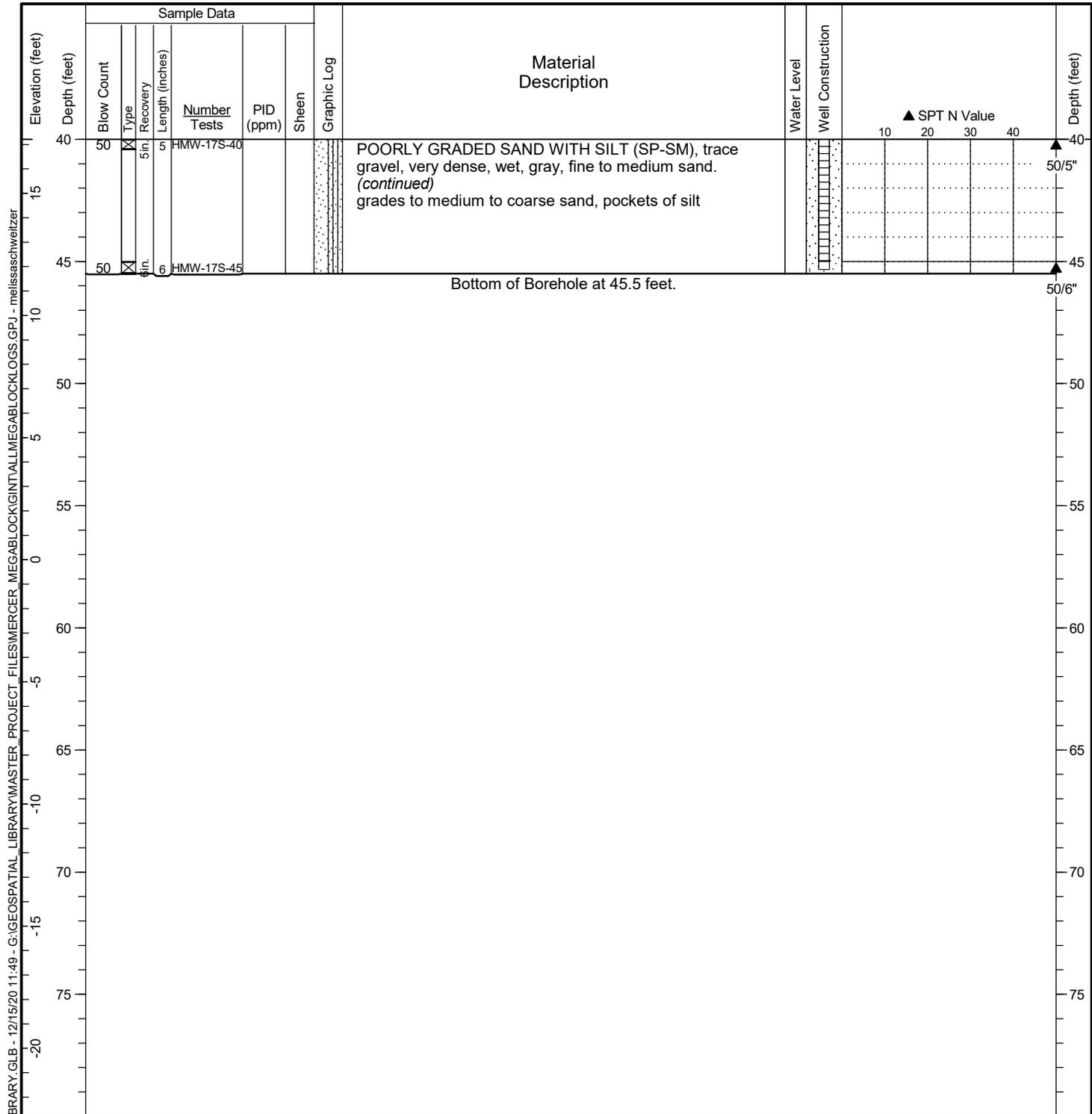


General Notes:

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.

Public Review Draft

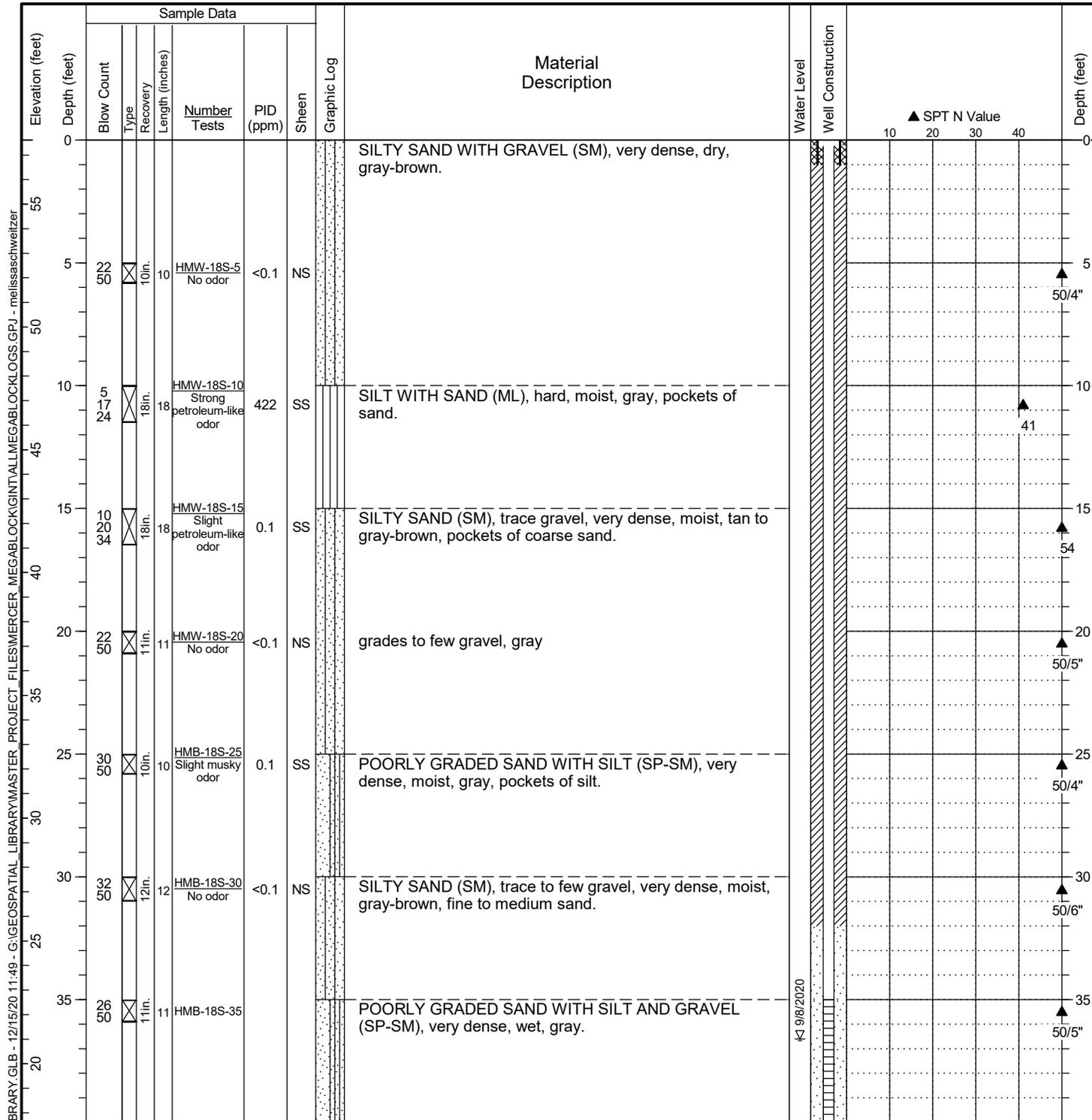
Date Started: <u>9/3/20</u>	Date Completed: <u>9/3/20</u>	Drilling Contractor/Crew: <u>Holt Services, Inc. / Mitch and Austin</u>
Logged by: <u>C. McCabe</u>	Checked by: _____	Drilling Method: <u>Hollow Stem Auger</u>
Location: <u>Lat: 47.625233 Long: -122.342093 (WGS 84)</u>		Rig Model/Type: <u>Mobile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



General Notes:

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

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

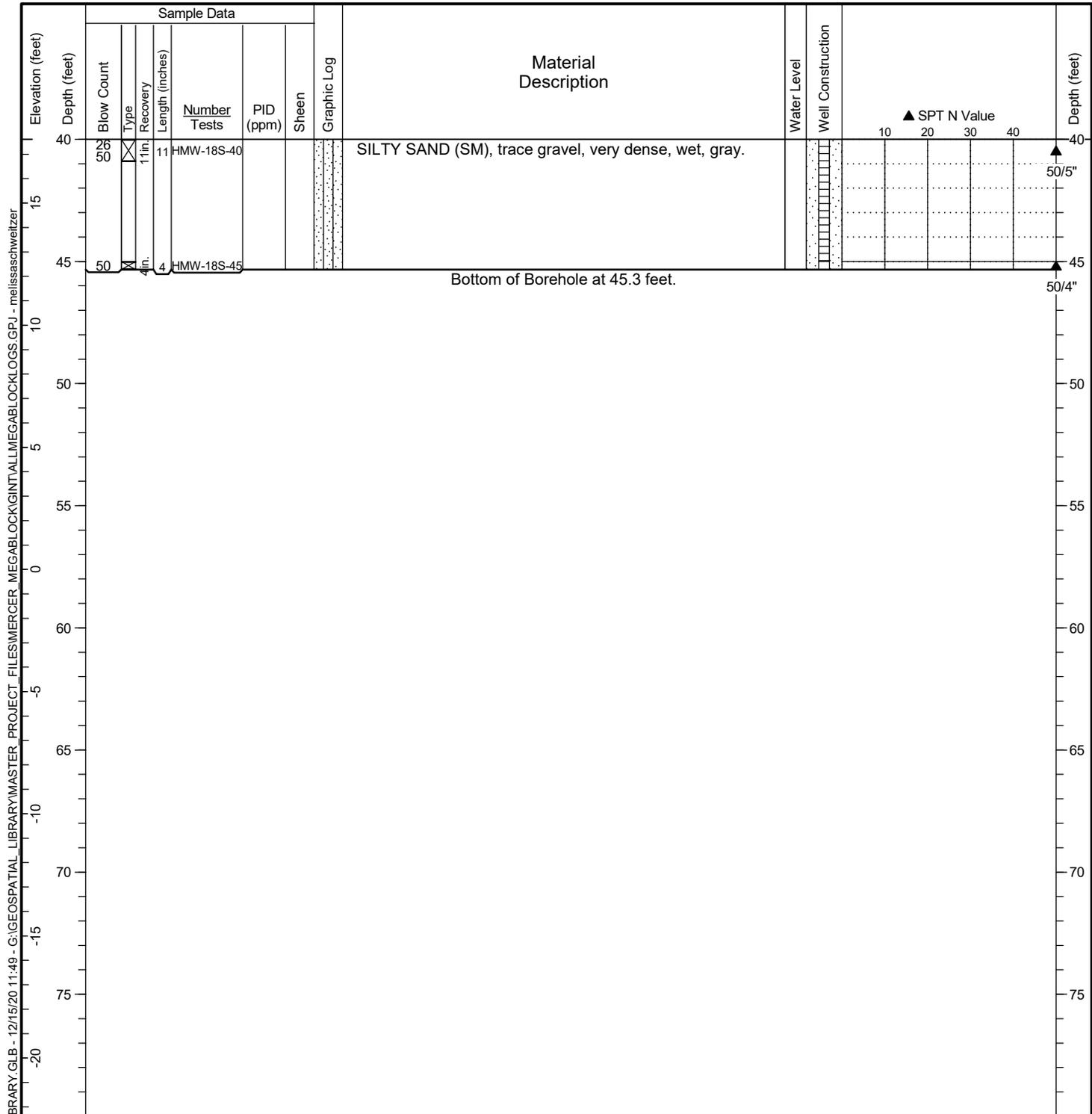


General Notes:

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

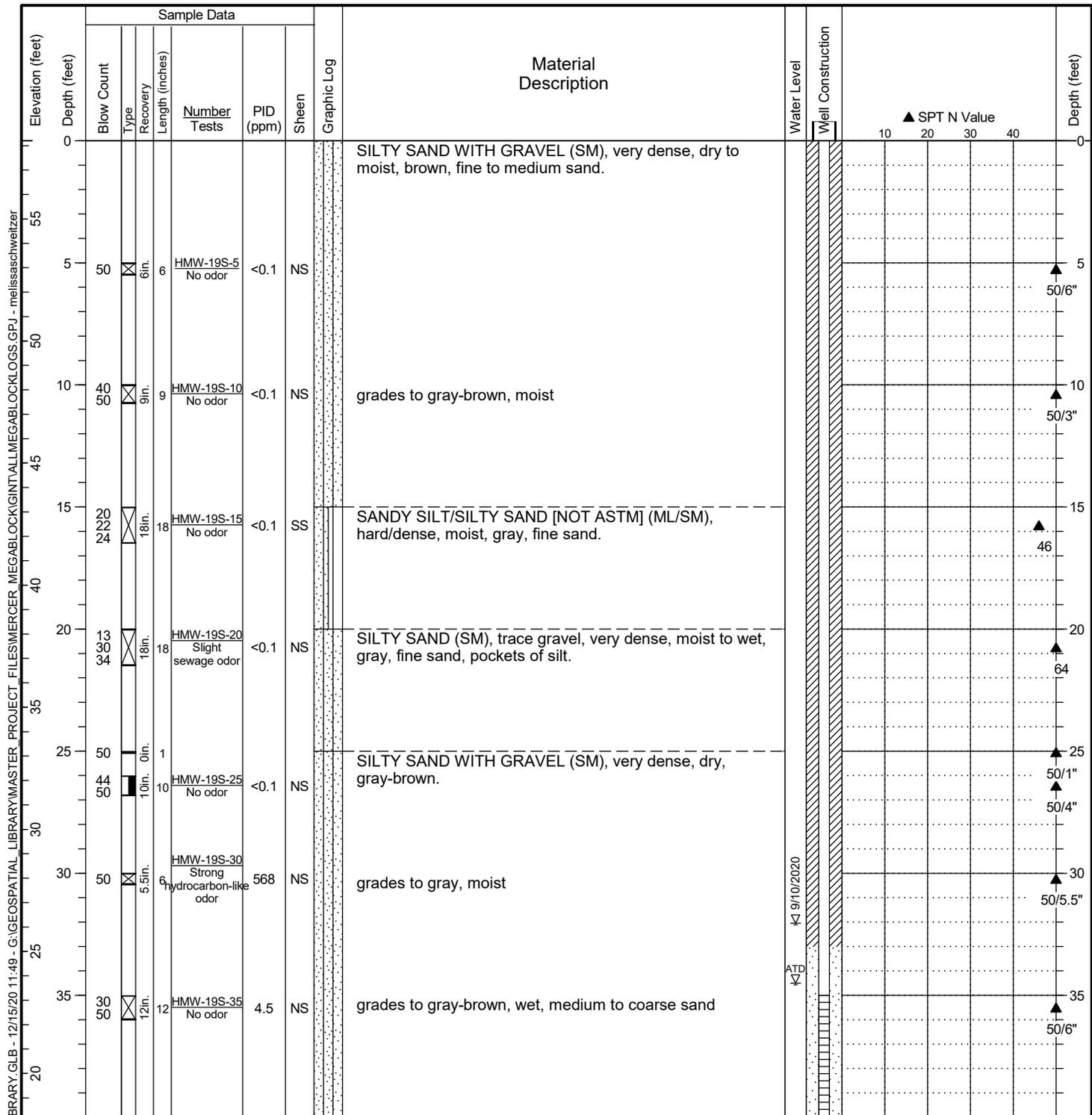
Public Review Draft

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



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

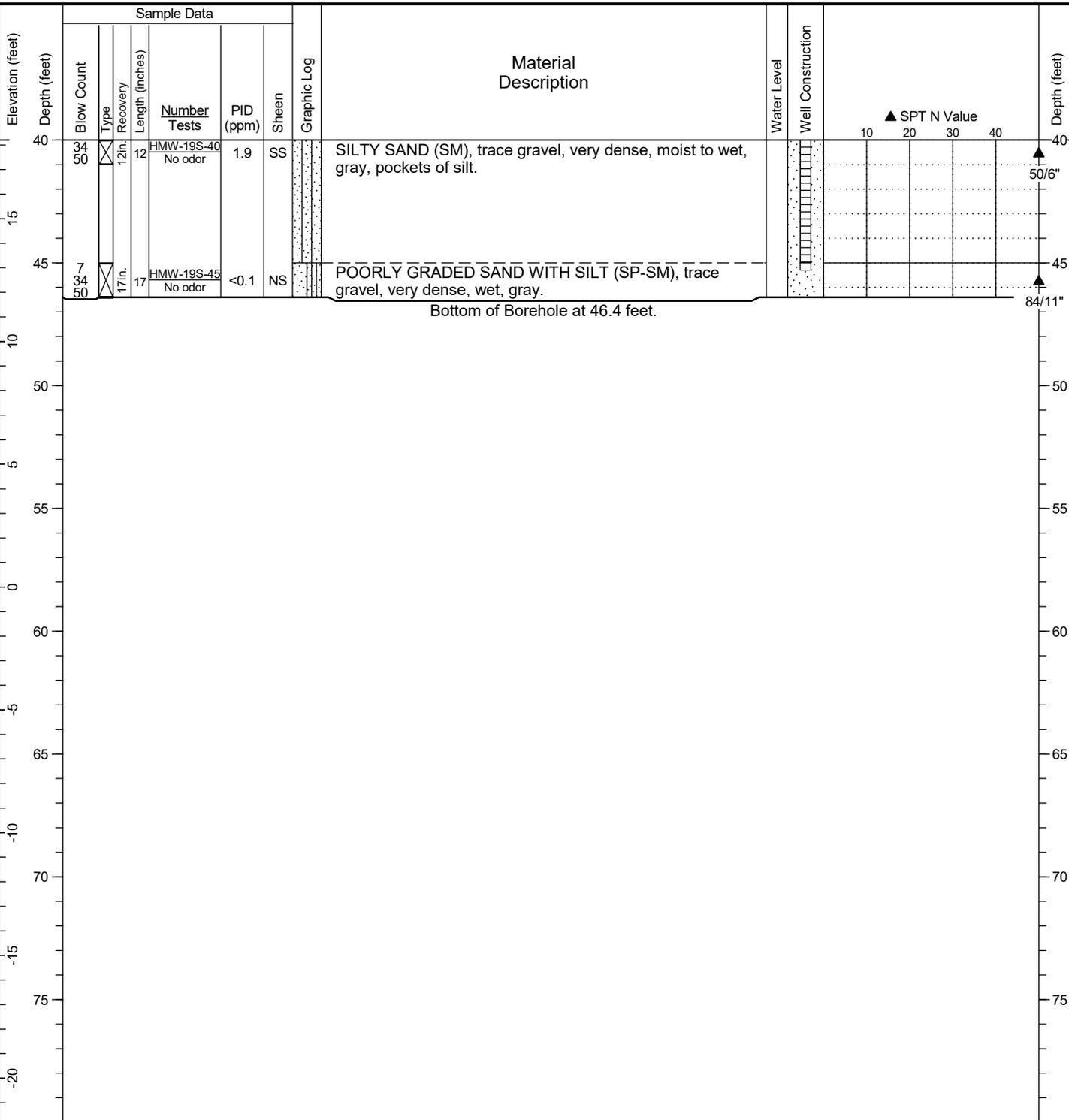


General Notes:

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.

Public Review Draft

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



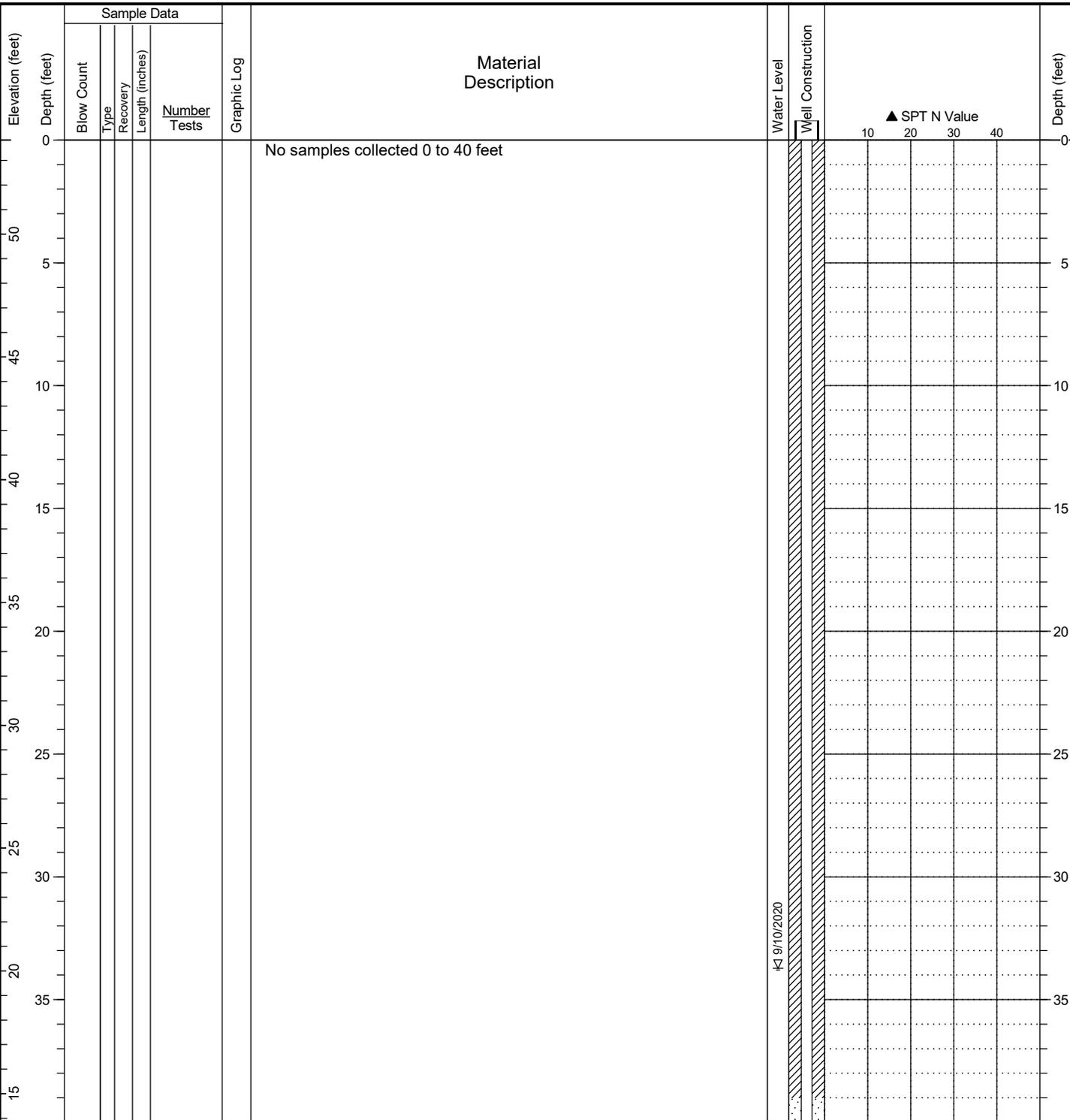
General Notes:

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 - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:49 - G:\GEO.SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALLMEGABLOCKLOGS.GPJ - melissaschweitzer

Public Review Draft

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



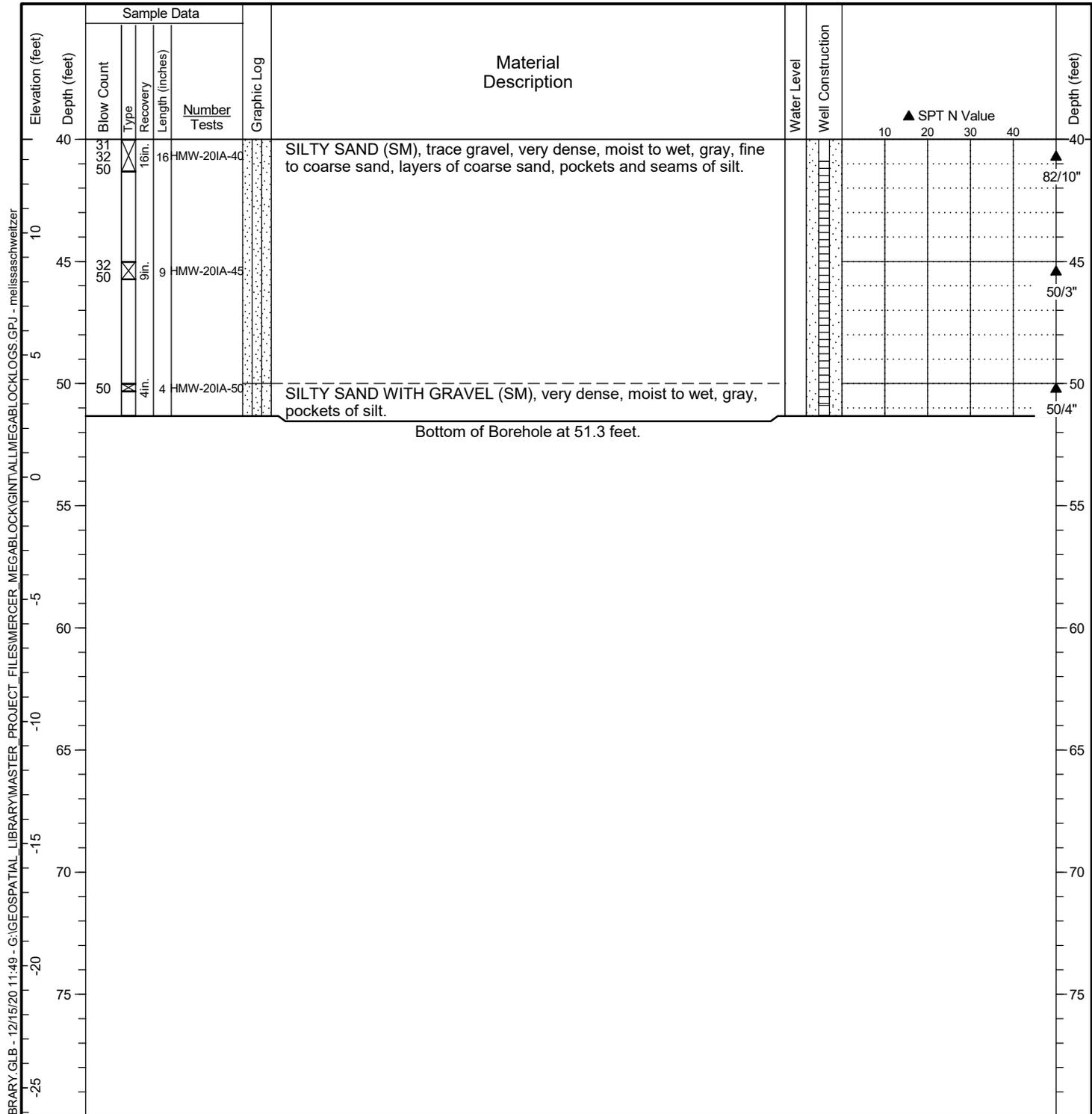
General Notes:

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 - F:\GINT\HC LIBRARY\GLB - 12/15/20 11:49 - G:\GEO\SPATIAL LIBRARY\MASTER PROJECT FILES\MERCER MEGABLOCK\GINT\ALL MEGABLOCK LOGS.GPJ - melissaschweitzer

Public Review Draft

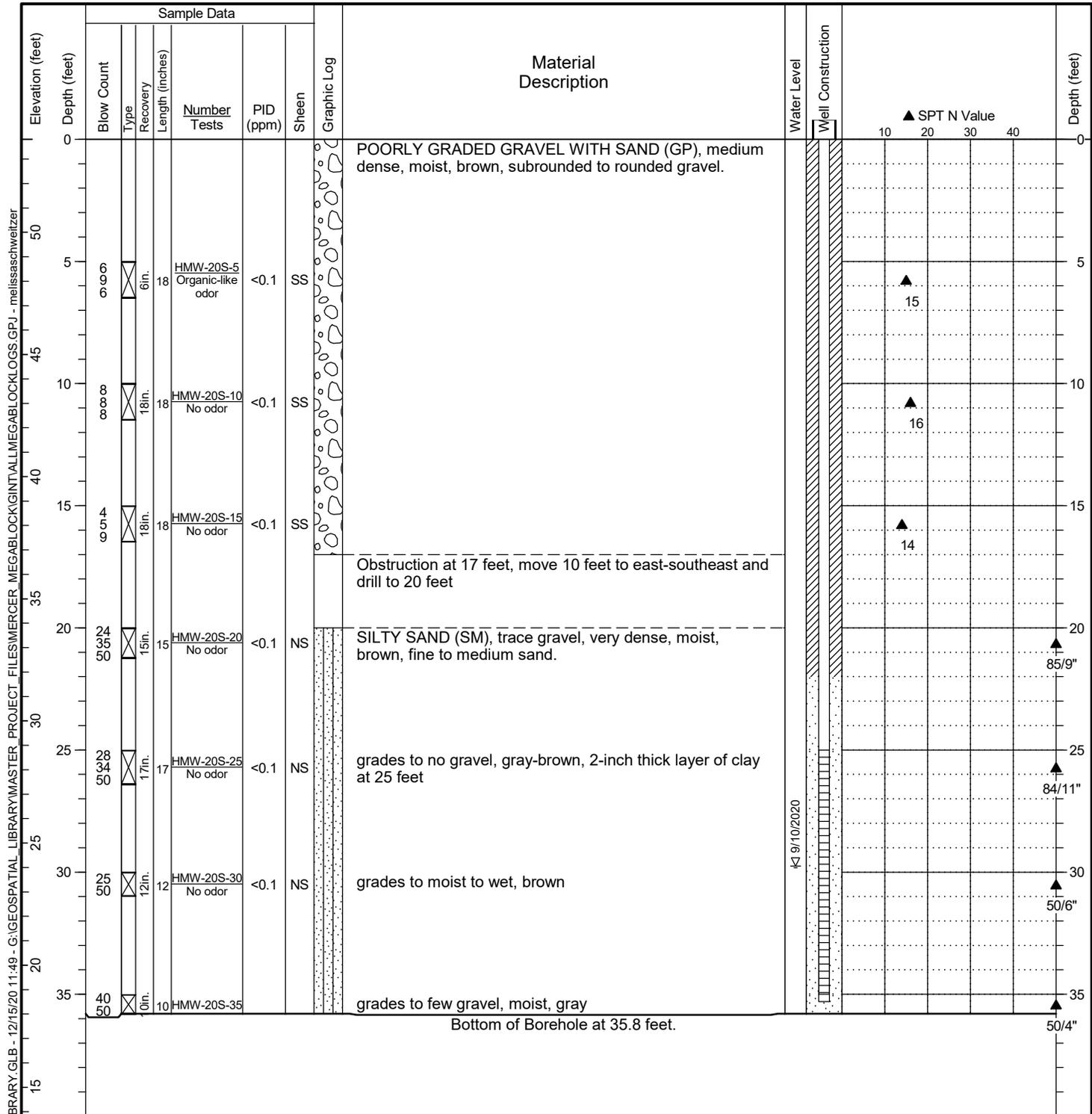
Date Started: 9/9/20	Date Completed: 9/9/20	Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin
Logged by: C. McCabe	Checked by:	Drilling Method: Hollow Stem Auger
Location: Lat: 47.625024 Long: -122.341560 (WGS 84)		Rig Model/Type: Mobile B-57 / Track-mounted drill rig
Ground Surface Elevation: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



General Notes:

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

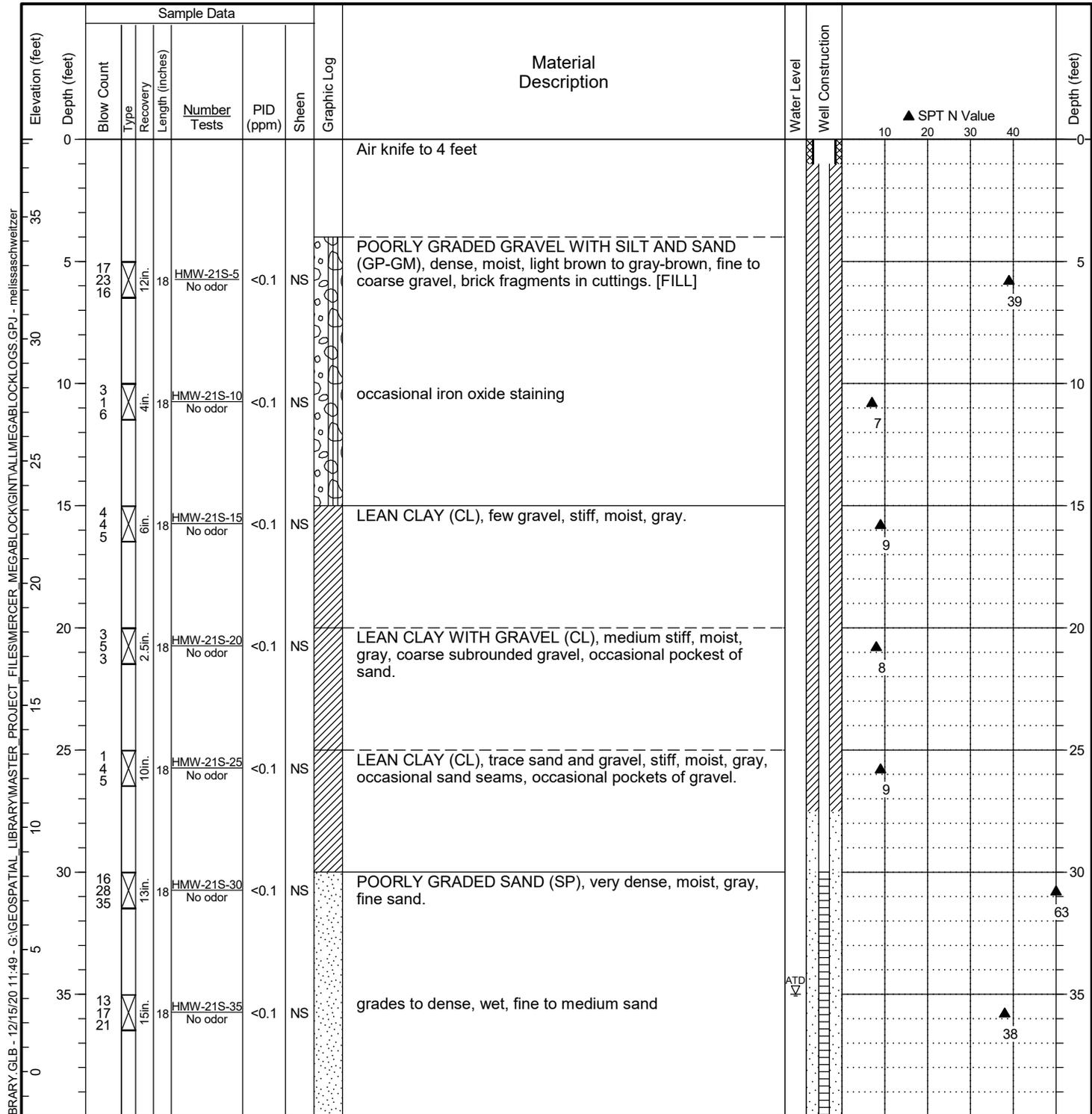
Date Started: 9/8/20	Date Completed: 9/8/20	Drilling Contractor/Crew: Holt Services, Inc. / Mitch and Austin
Logged by: C. McCabe	Checked by:	Drilling Method: Hollow Stem Auger
Location: Lat: 47.625032 Long: -122.341575 (WGS 84)		Rig Model/Type: Mobile B-57 / Track-mounted drill rig
Ground Surface Elevation: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



General Notes:

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

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

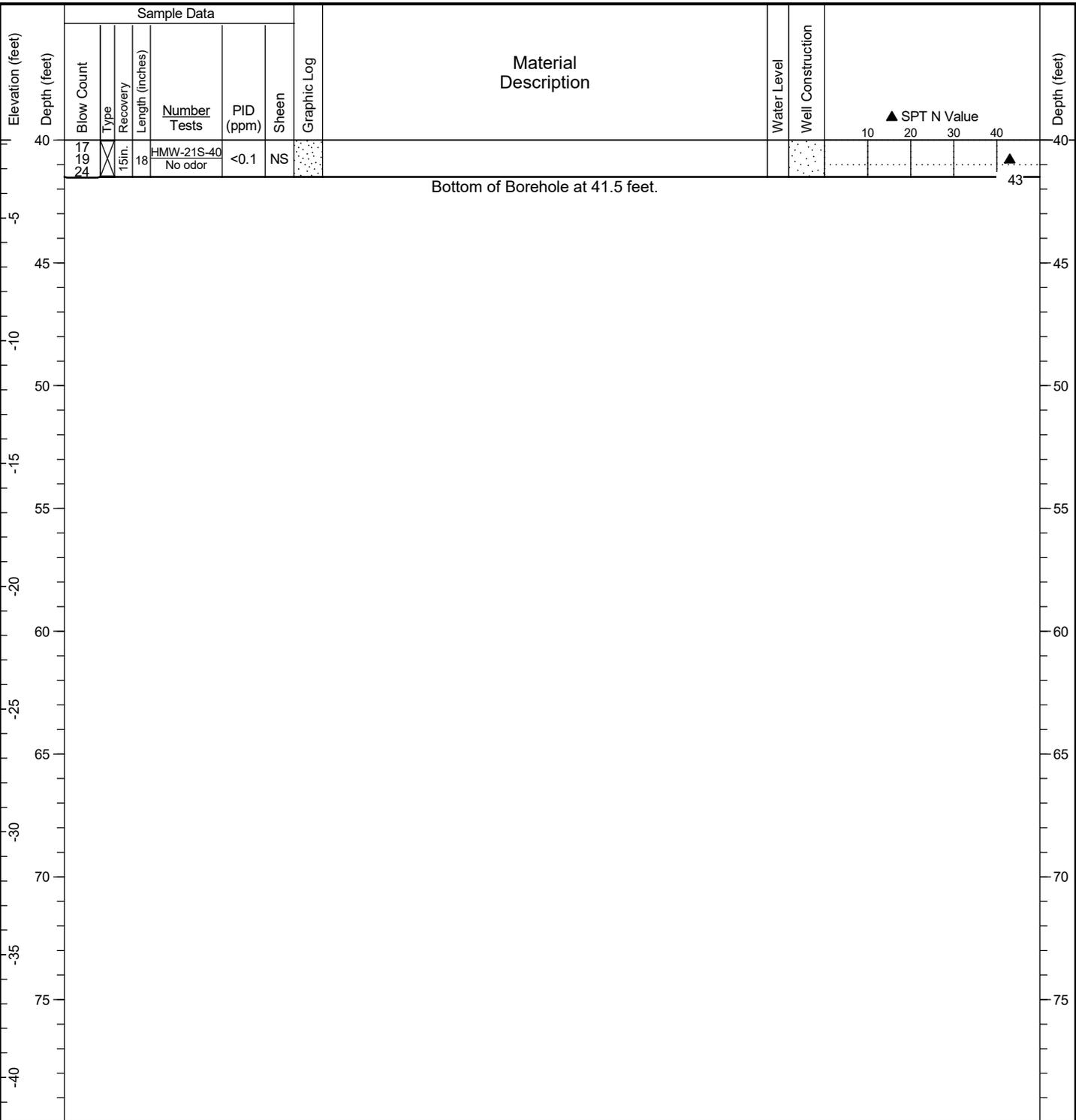


General Notes:

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

Public Review Draft

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

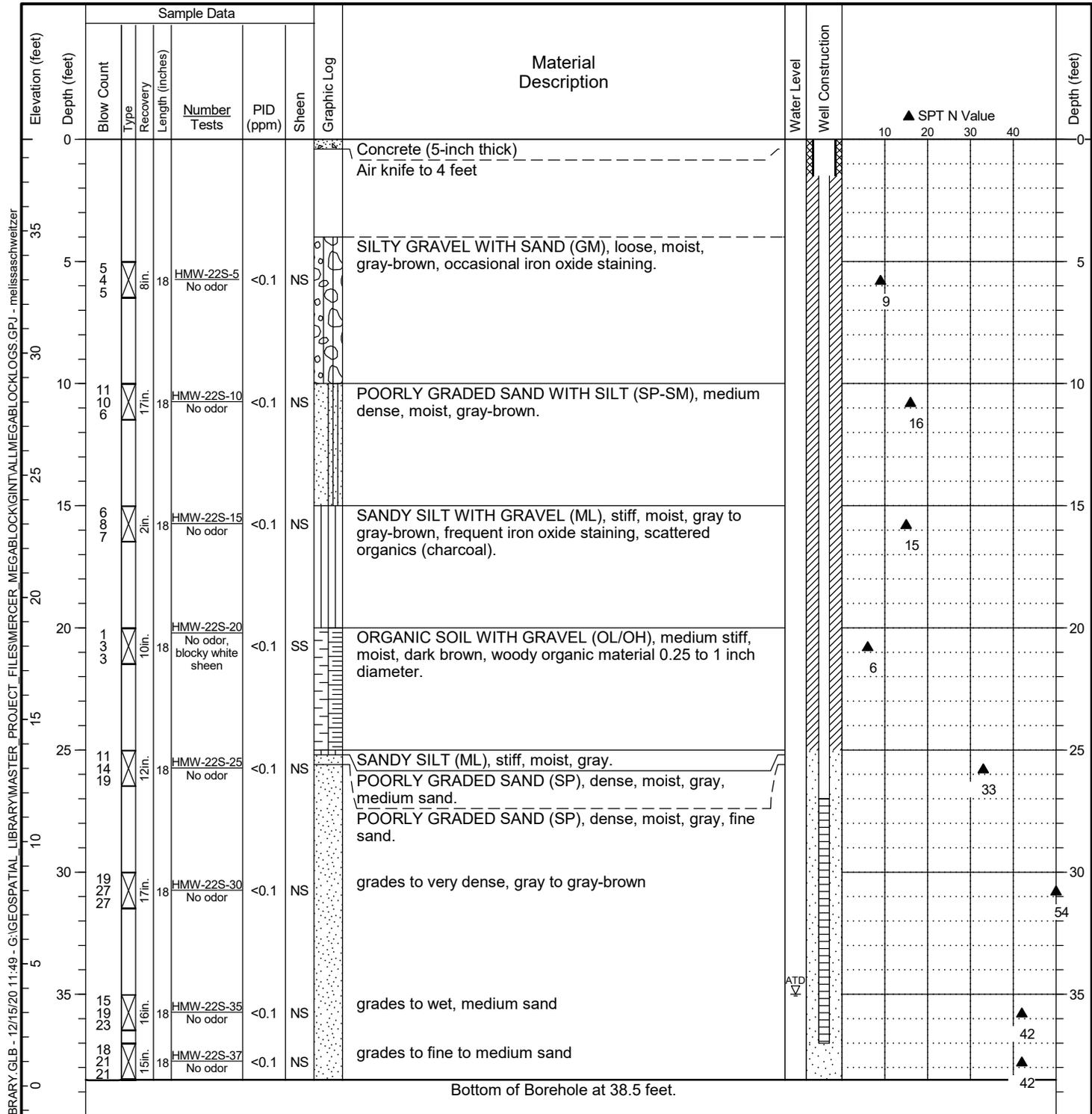


General Notes:

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 - 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: 10/22/20	Date Completed: 10/22/20	Drilling Contractor/Crew: Holt Services, Inc. / Abe
Logged by: B. Lytle	Checked by:	Drilling Method: Mud Rotary
Location: Lat: 47.624933 Long: -122.339904 (WGS 84)		Rig Model/Type: Mobile B-57 / Track-mounted drill rig
Ground Surface Elevation: 38.75 feet (NAVD 88)		Hammer Type: Auto-hammer
Comments: Well Tag ID: BMP374		Hammer Weight (pounds): 140 Hammer Drop Height (inches): 30
		Measured Hammer Efficiency (%): Not Available
		Hole Diameter: 6 inches Casing Diameter: OD: 2 inches
		Total Depth: 38.5 feet Depth to Groundwater: 35 feet



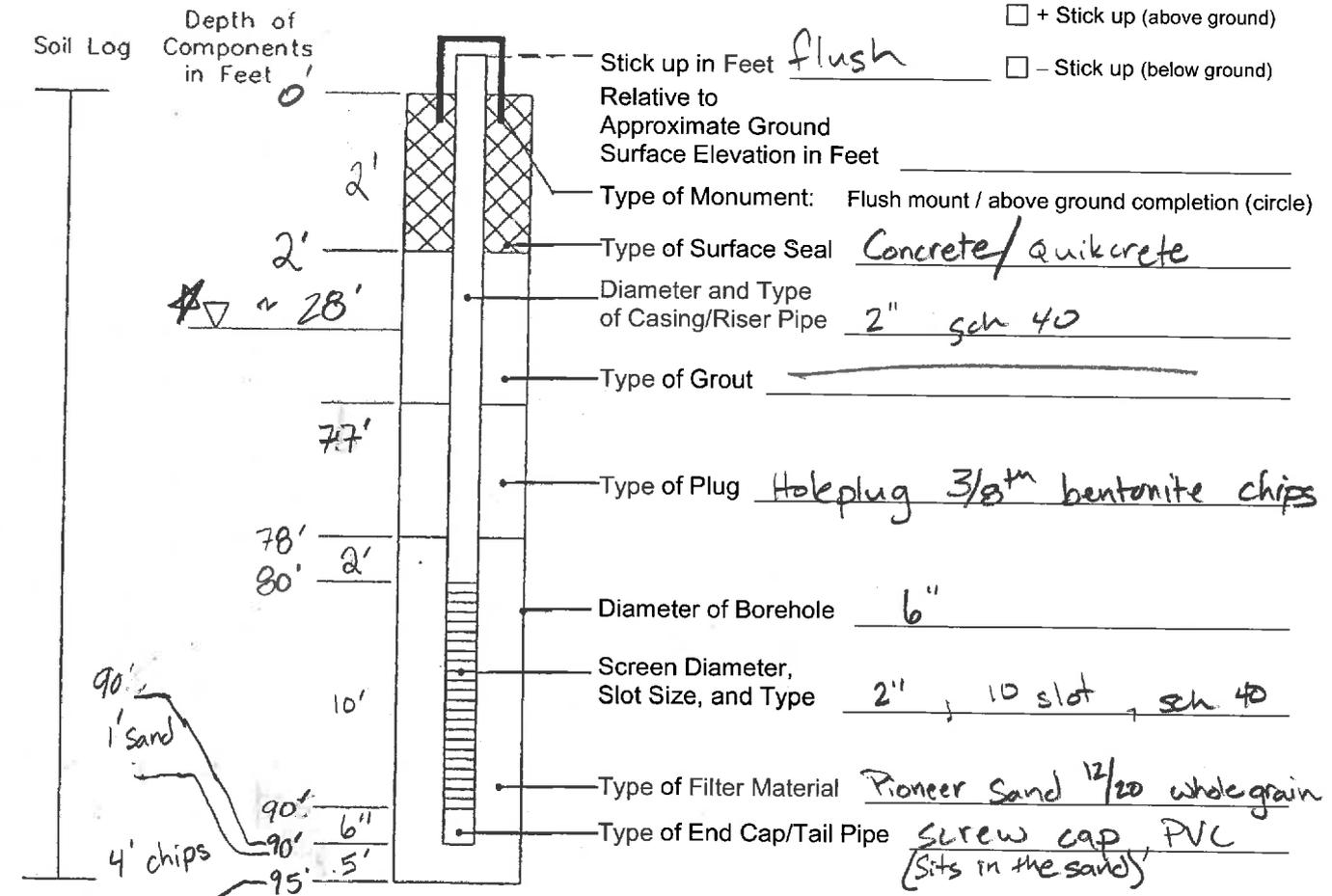
General Notes:

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

Installation Report

Monitoring Well HMW-1D

Project Mercer Mega Block Job No. 19409-01 Date 3/5/2019
 Location ~ 75' west of 9th st. HC Observer Keylin H Driller Holt
~ 80' North of Mercer st.
 Type of Well (Observation, Sampling, Vapor Extraction) Observation
 Ecology Well Tag No. BLI 197



Materials Tally (qty. & unit):

Sand	<u>50lbs , 5 bags</u>	Monument	<u>1 Morriss Industries, Plus</u>
Cement	<u>60lbs , 3 bags</u>	PVC	<u>10' sections, 1 screen & 8 blank</u>
Bentonite	<u>50lbs , 17 bags</u>	Other	_____

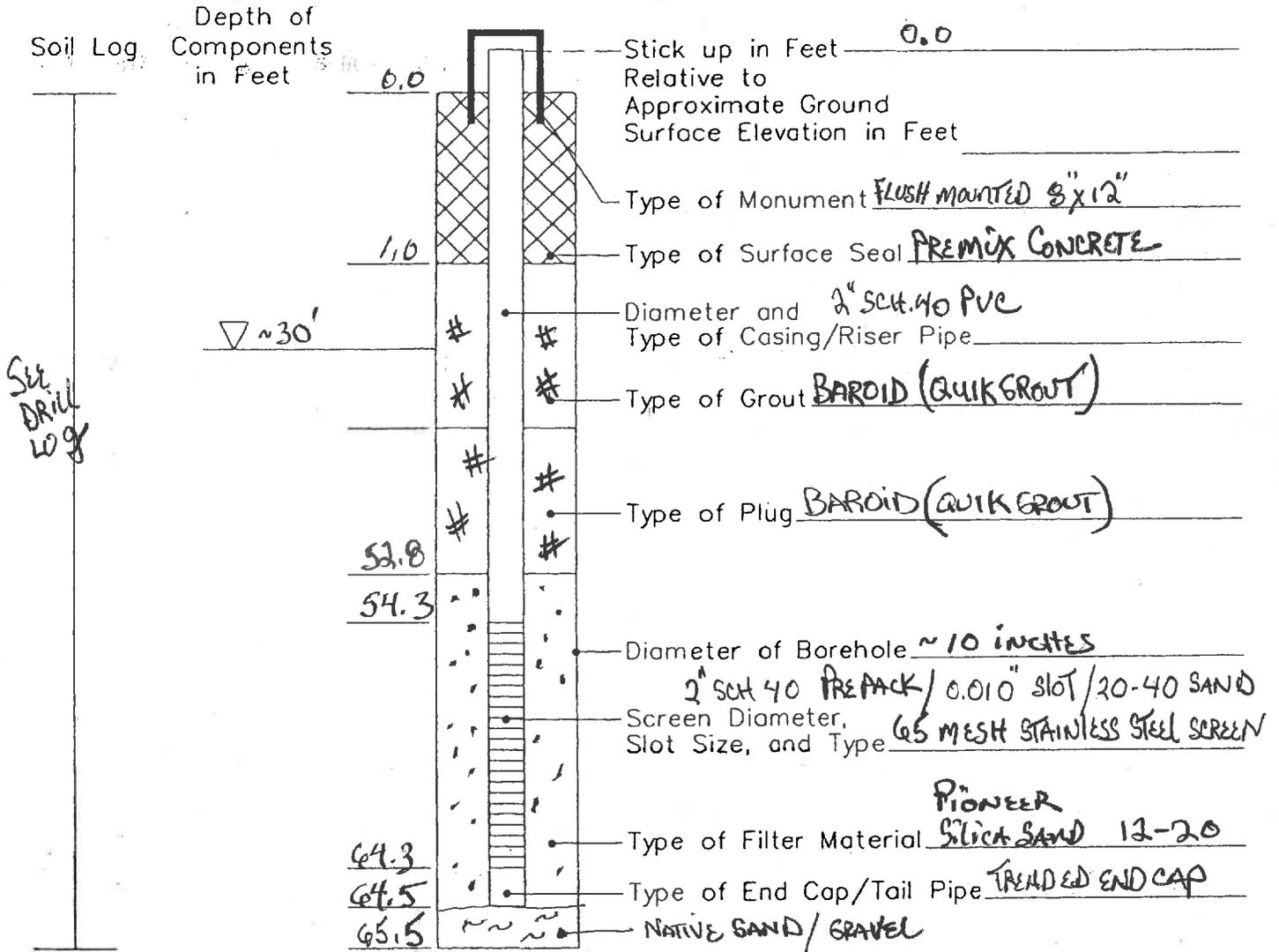
Ecology Well Tag BLR917
Monitoring Well HMW-1 IB

Installation Report

Project MERCER MEGA BLOCK Job No. 19409-01 Date 3/14/19

Location _____ HC Observer B. McDONALD Driller HECT SERVICES (ABE CAUSLAND)

Type of Well (Observation, Sampling, Vapor Extraction) OBSERVATION/SAMPLING



Remarks: 70.2 - 4.64 = 65.56 - 1.0' stick-up = 64.56 Setting Depth

Materials Tally:

Sand 3-50lb SKS, PIONEER 12-20 Monument MORRIS 8x12

Cement PREMIX CONCRETE PVC 60' OF 10' RISER

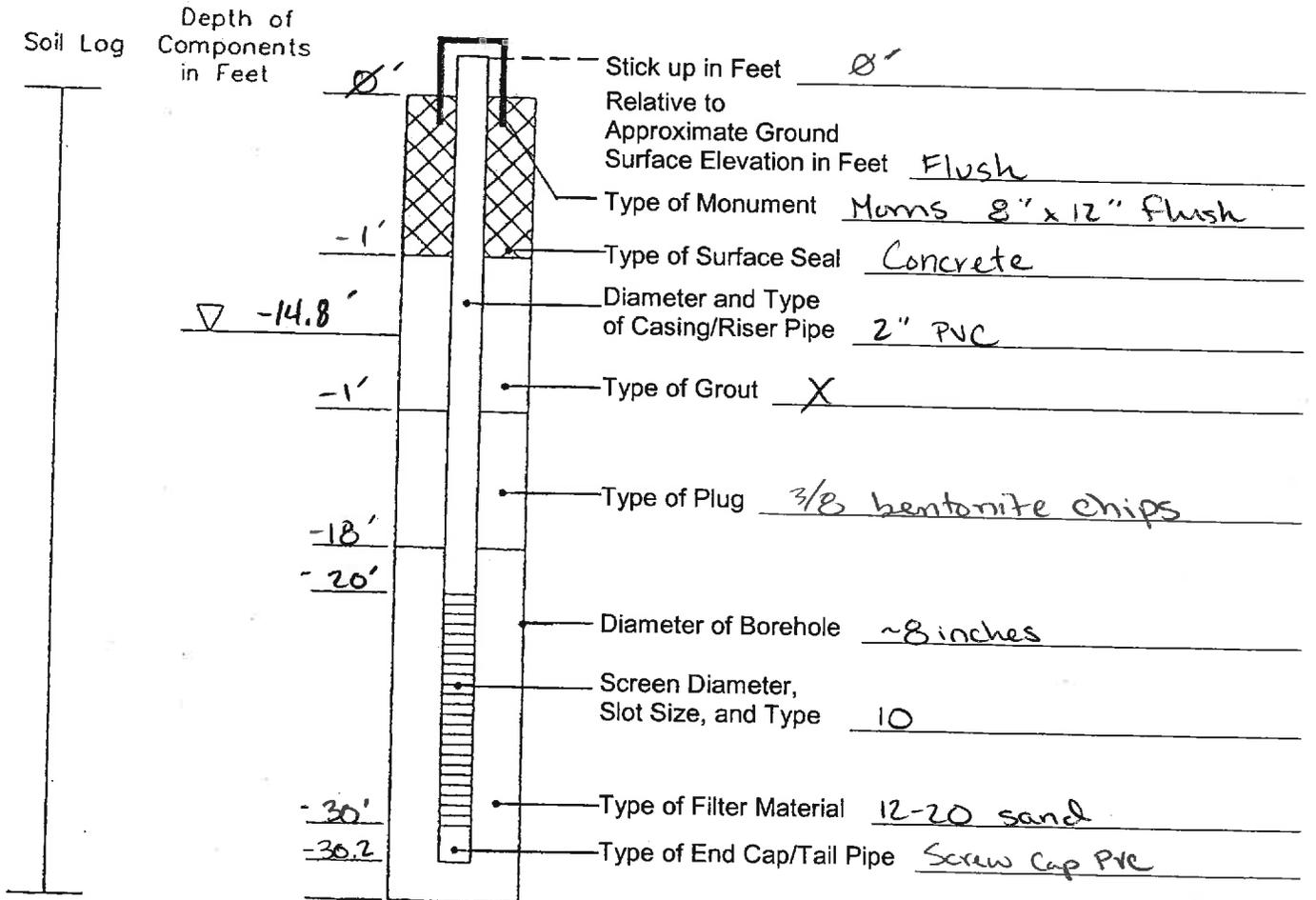
Bentonite 2 SKS QUIK-GROUT; 3 SKS CHP (3/8) Other ESP PRE PACKED WELL SCREEN (10.2' LENGTH) WITH T/E CAP THERMOS PLUG

24 gal / 50 lb SK BAROID QUIK-GROUT = 20% SOLIDS

Installation Report

Monitoring Well HMW-1S

Project MMD Job No. 19409-01 Date 3/6/19
 Location HMW-1S HC Observer C. McCabe Driller HoH
 Type of Well (Observation, Sampling, Vapor Extraction) Observation/Sampling



Remarks _____

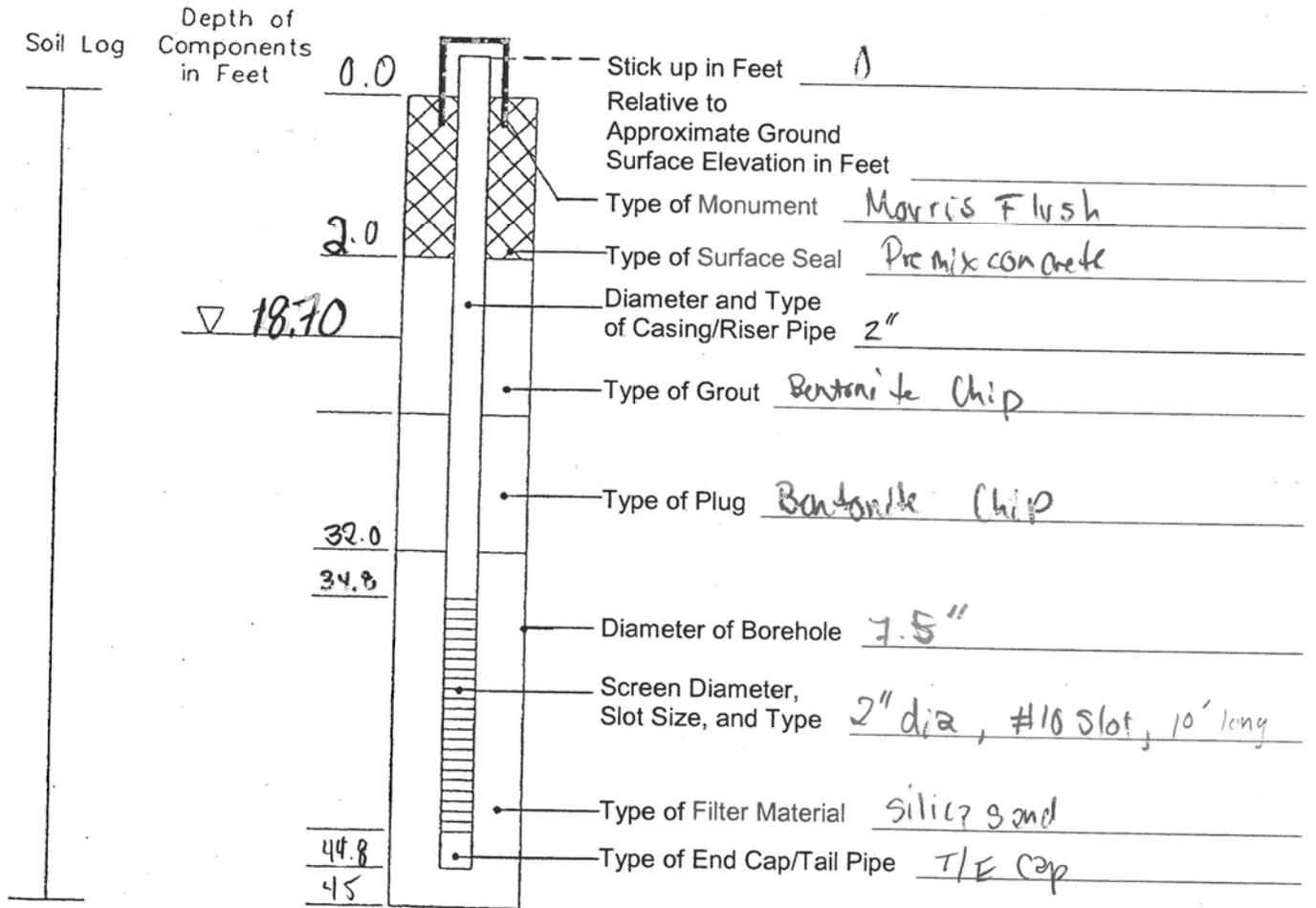
Materials Tally:

Sand	<u>7 BAGS (50 lbs)</u>	Monument	<u>Morns 8" x 12"</u>
Cement	_____	PVC	<u>30'</u>
Bentonite	<u>4 BAGS HOLEPLUG</u>	Other	_____

Installation Report

Well Tag: BLR922
Monitoring Well HMW2IA

Project MMB Job No. 1940901 Date 3/8/19
Location Mercer Mega Block HC Observer C Kroskie Driller Holt
Type of Well (Observation, Sampling, Vapor Extraction) Observation



Remarks water level 18.70' @ 1525 3/8/19

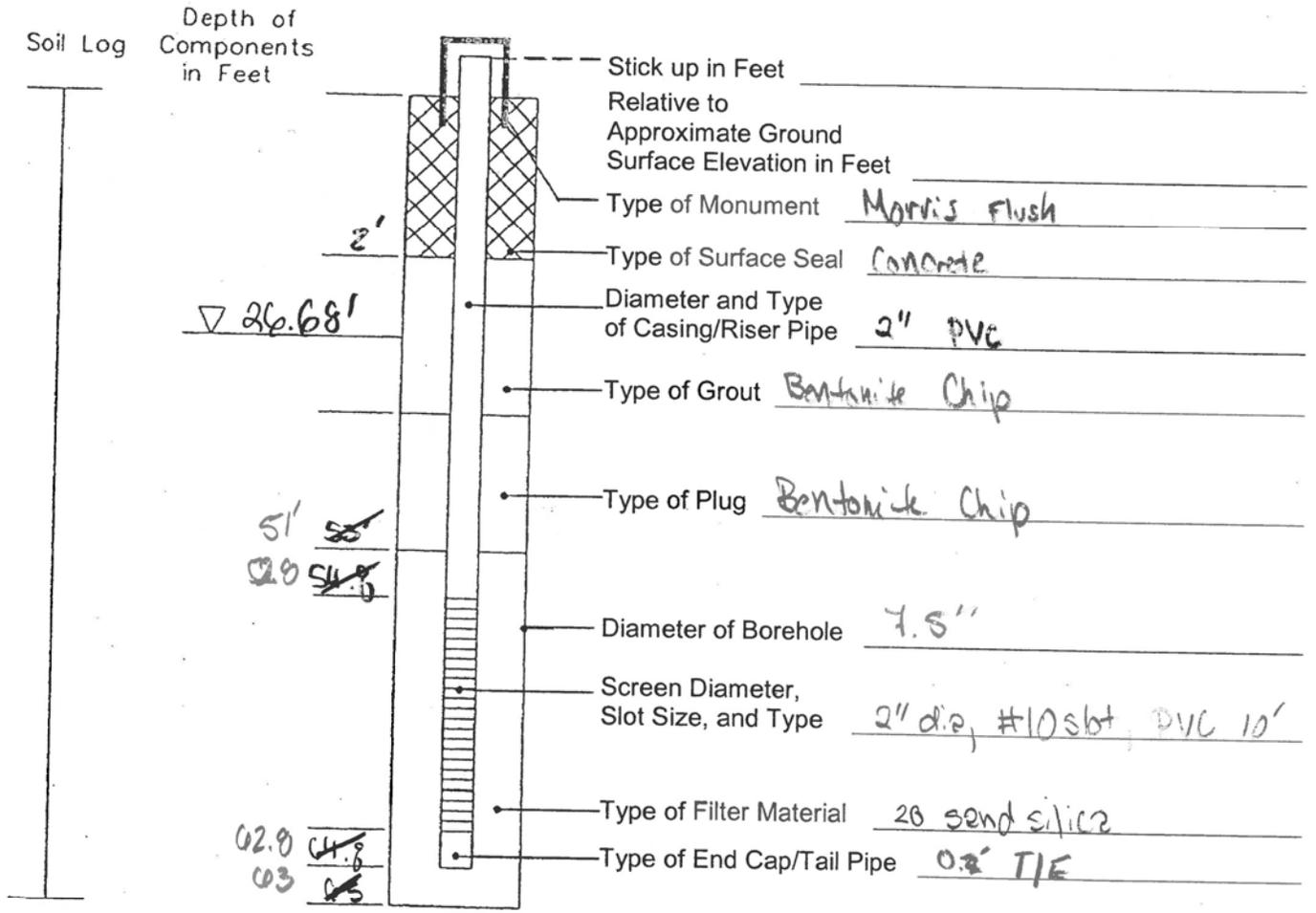
Materials Tally: Holt provided

Sand	<u>Silica sand</u>	Monument	<u>Morris Flush mount</u>
Cement		PVC	<u>110' Screen 10' pipe</u>
Bentonite		Other	<u>1</u>

Installation Report

Well Tag BLR 923
Monitoring Well HMW-2IB

Project NMB Job No. 1940901 Date 3/12/18
Location NMB HC Observer C. Kroskie Driller Hlt
Type of Well (Observation, Sampling, Vapor Extraction) Observation



Remarks well casing pulled up to 63 ft when removing sugar
▽ 3/13/19 @ 1009 → ~~26.68'~~

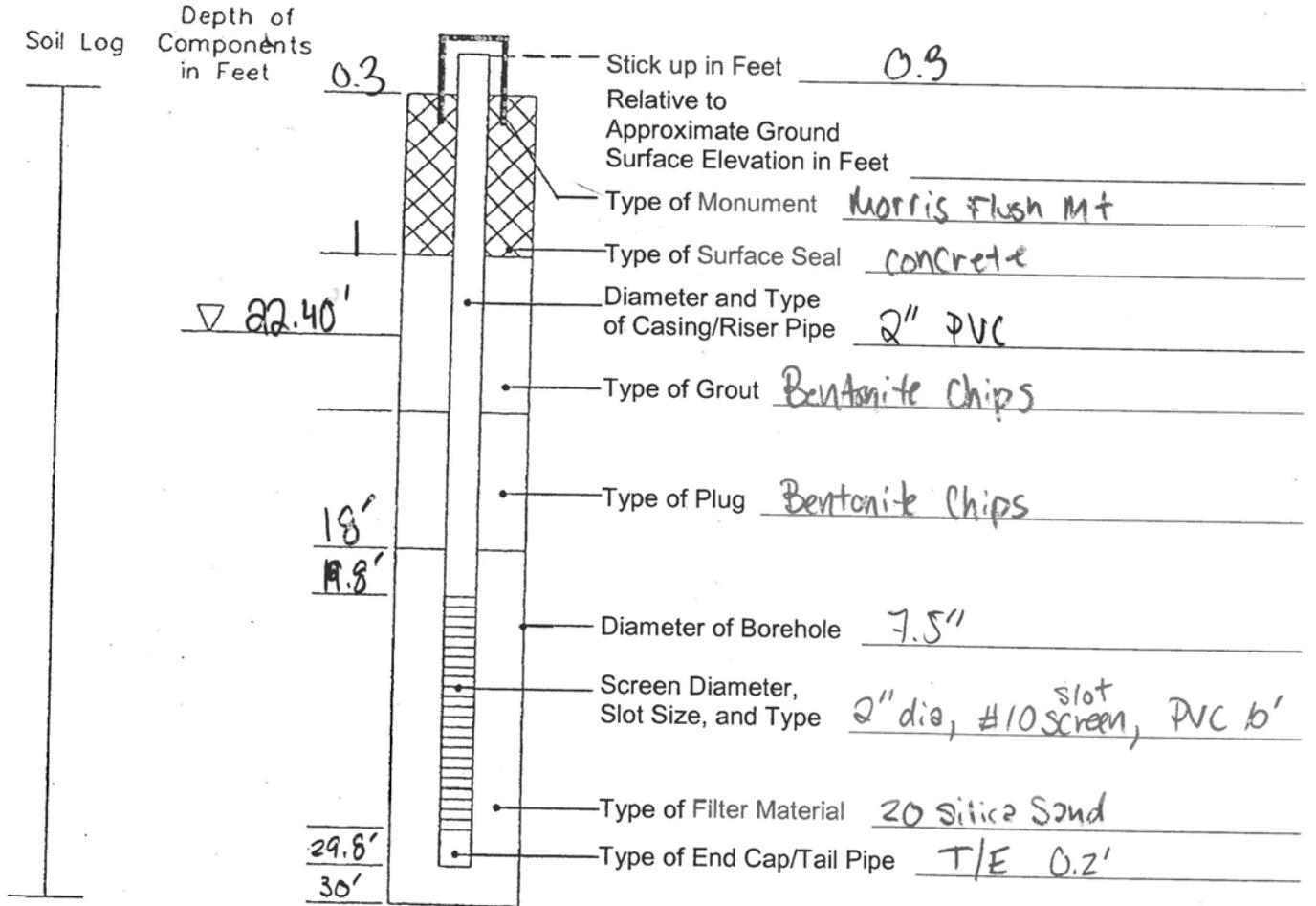
Materials Tally:

Sand	_____	Monument	_____
Cement	_____	PVC	_____
Bentonite	_____	Other	_____

Installation Report

Well Tag: BLR 924
Monitoring Well HMW2S

Project ~~HMW~~ MMB Job No. 1940901 Date 3/13/19
Location MMB HC Observer C. Kroskie Driller Holt
Type of Well (Observation, Sampling, Vapor Extraction) Observation



Remarks ∇ 3/13/19 @ 22.40' 1330

Materials Tally:

Sand	_____	Monument	_____
Cement	_____	PVC	_____
Bentonite	_____	Other	_____

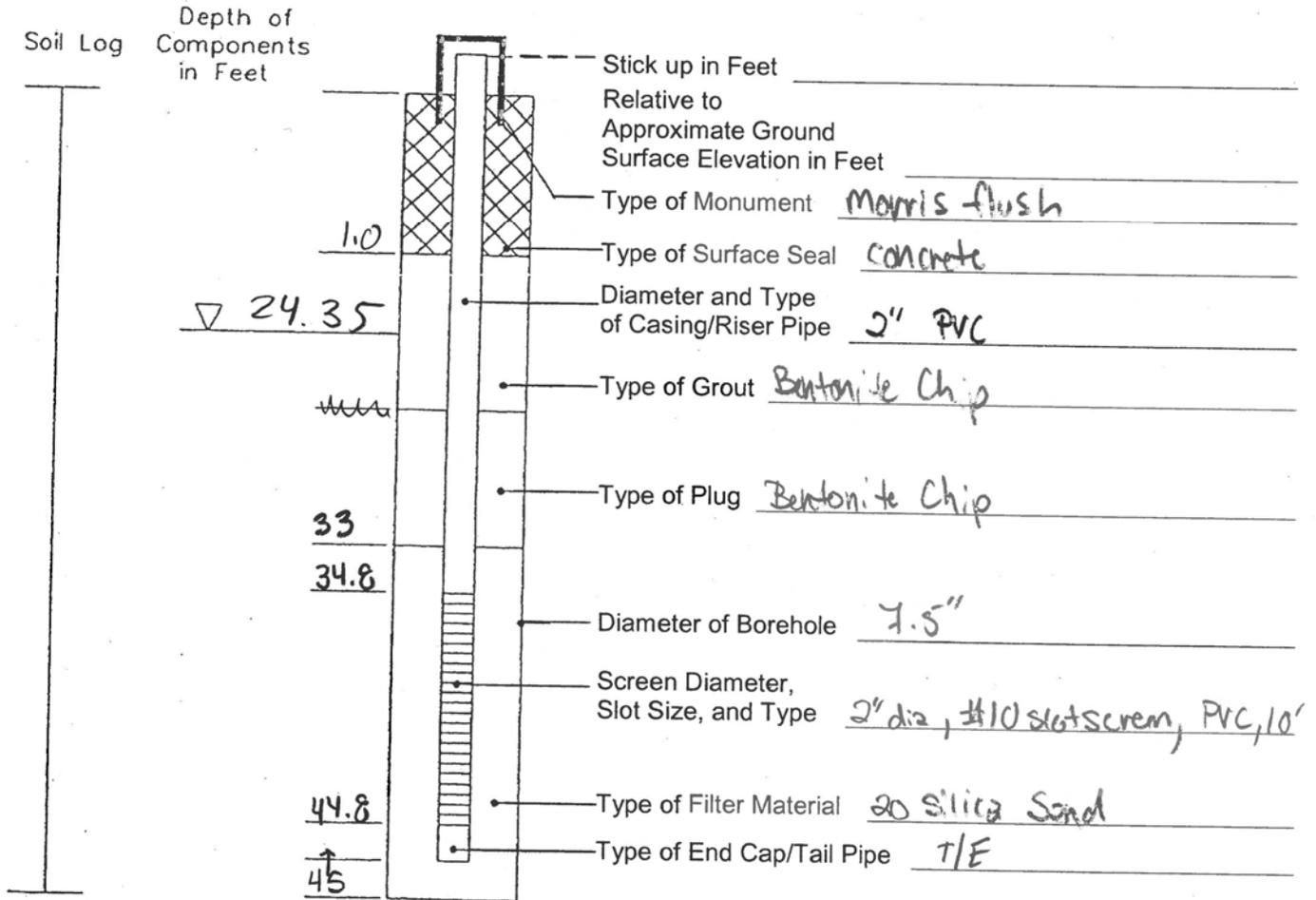
Installation Report

Well Tag BLR 925
Monitoring Well HMW/3IA

Project MMB Job No. 1940901 Date 3/15/19

Location MMB HC Observer C Kroskie Driller Holt

Type of Well (Observation, Sampling, Vapor Extraction) Observation



Remarks _____

Materials Tally:

Sand	_____	Monument	_____
Cement	_____	PVC	_____
Bentonite	_____	Other	_____

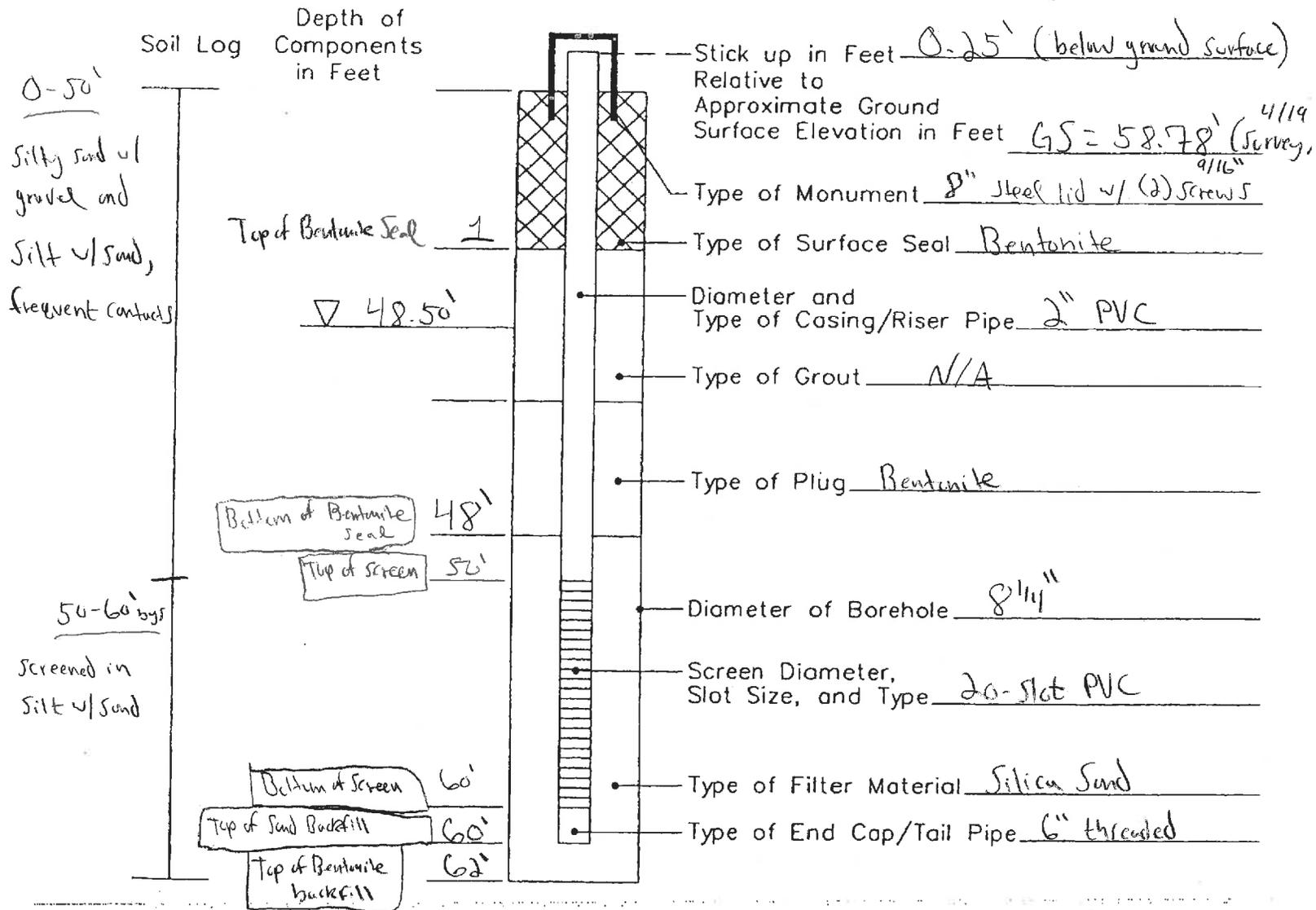
Installation Report

Monitoring Well HMW-4IA

Project Mercer Megablock Job No. 19409-01 Date 4/4/19

Location Seattle, WA HC Observer M. Shaljian Driller Halt Services

Type of Well (Observation, Sampling, Vapor Extraction) Observation



Remarks: Geotechnical boring was backfilled from 61' - 80' bgs w/ 3/8" bentonite chips. Screen installed from 50-60' bgs w/ 2" of silica sand set below screen (60'-62') and above screen (48'-50').

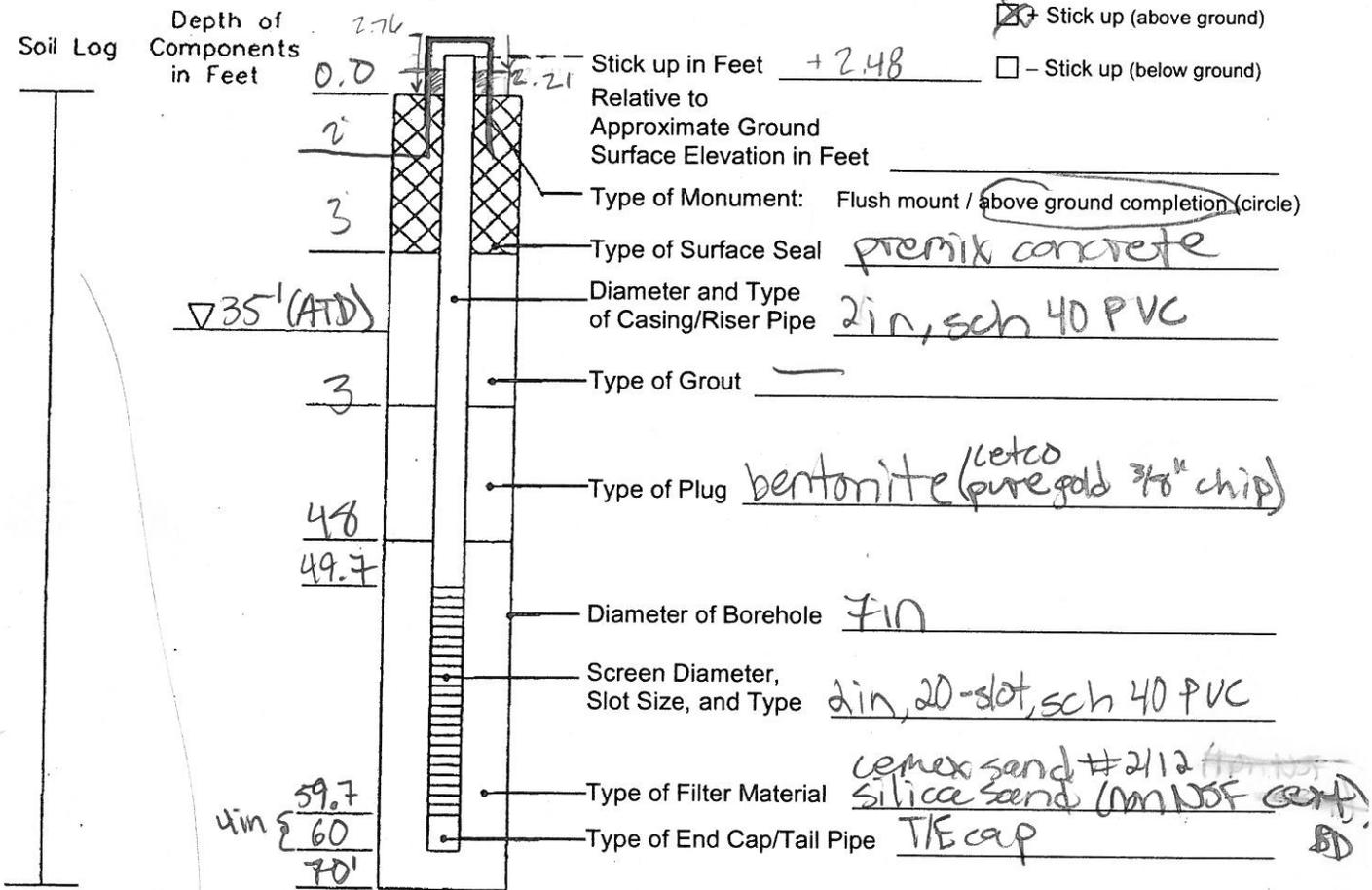
Materials Tally:

Sand <u>7</u>	Monument <u>1</u>
Cement <u>2</u>	PVC <u>60' (6x10')</u>
Bentonite <u>10</u>	Other <u>J-plug</u>

Installation Report

Monitoring Well HMW-51B

Project MMB Job No. 1940904 Date 2/26/20
 Location 400 Mercer St HC Observer Dorier Driller Cascade
 Type of Well (Observation, Sampling, Vapor Extraction) Monitoring/sampling
 Ecology Well Tag No. BLZ-188



Remarks Hole flushed w/ water.

Materials Tally (qty. & unit):

Sand	<u>7</u>	Monument	<u>1x</u>
Cement	<u>—</u>	PVC	<u>Johnson 10' screen 50' blank</u>
Bentonite	<u>15</u>	Other	<u>—</u>

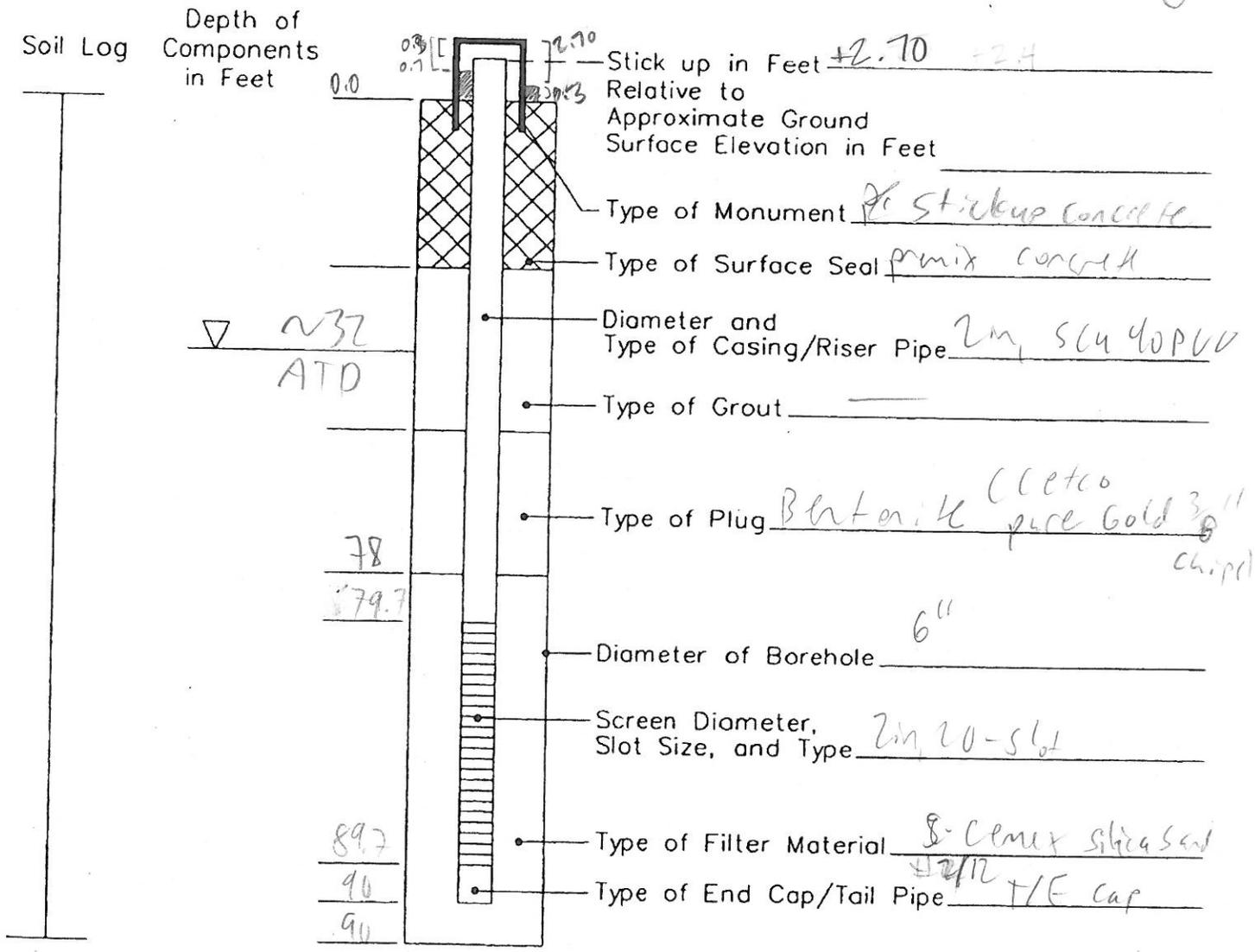
Installation Report

Monitoring Well MW-6D

Project MMB Job No. 1940904 Date 3/2/20

Location 800 mdr HC Observer AN Driller Cascade

Type of Well (Observation, Sampling, Vapor Extraction) Sampling & monitoring



Remarks: tag #: BL2187

Materials Tally:

Sand <u>5 bags</u>	Monument _____
Cement _____	PVC _____
Bentonite <u>15 bags</u>	Other _____

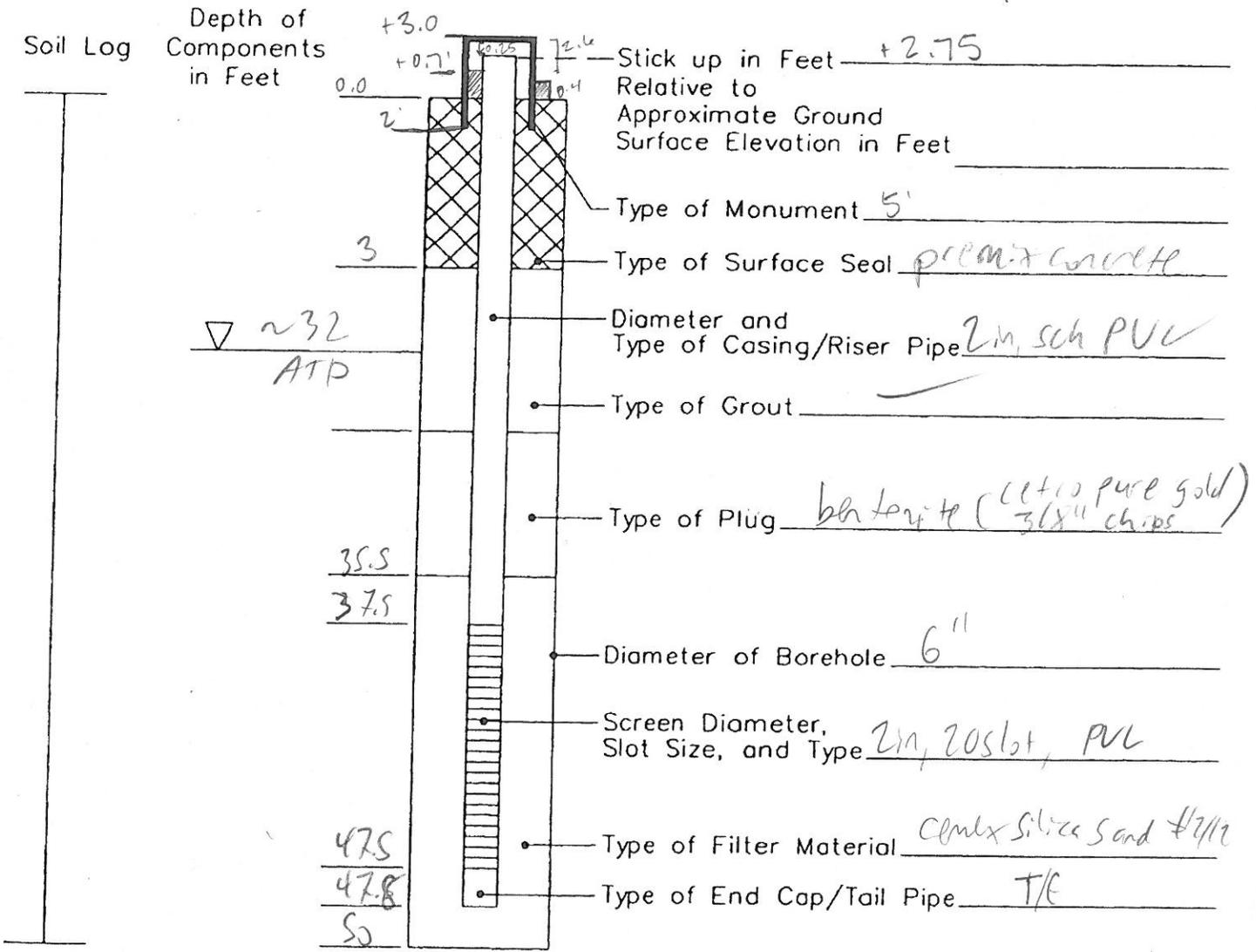
Installation Report

Monitoring Well HMW-61A

Project MMB Job No. 1940904 Date 3/12/20

Location 800 Mbar HC Observer AN Driller Coscall

Type of Well (Observation, Sampling, Vapor Extraction) monitoring & sampling



Remarks: screen moved to a lower depth to incorporate more sand seams

Tag #: BLZ185

Materials Tally:

Sand <u>5 bags</u>	Monument _____
Cement _____	PVC _____
Bentonite <u>8 bags</u>	Other _____

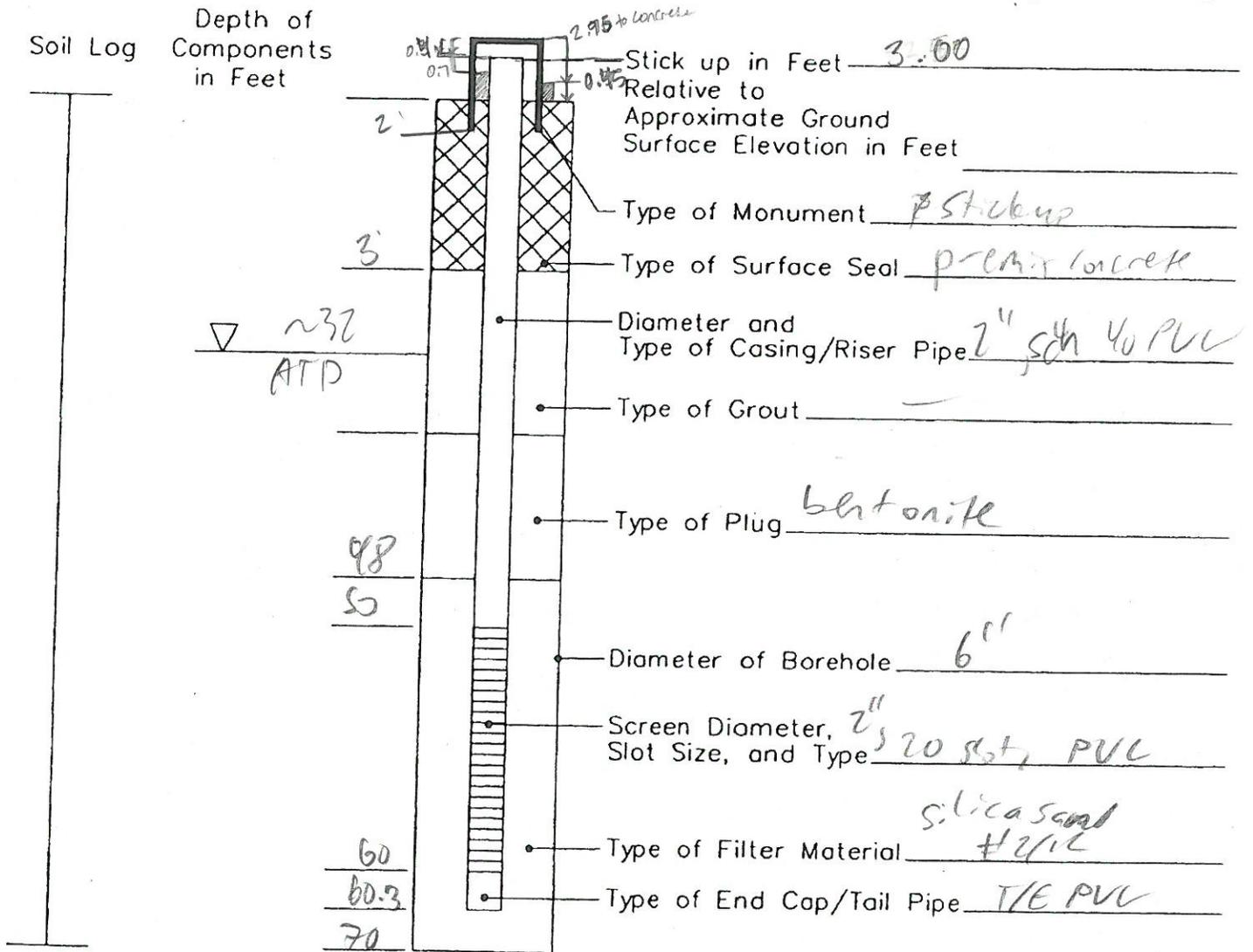
Installation Report

Monitoring Well HMW-67.8

Project MMB Job No. 1940904 Date 3/3/20

Location 800 N. 4th HC Observer ACV Driller Cascade

Type of Well (Observation, Sampling, Vapor Extraction) Monitoring + Sampling



Remarks: Tag #: BLZ 186

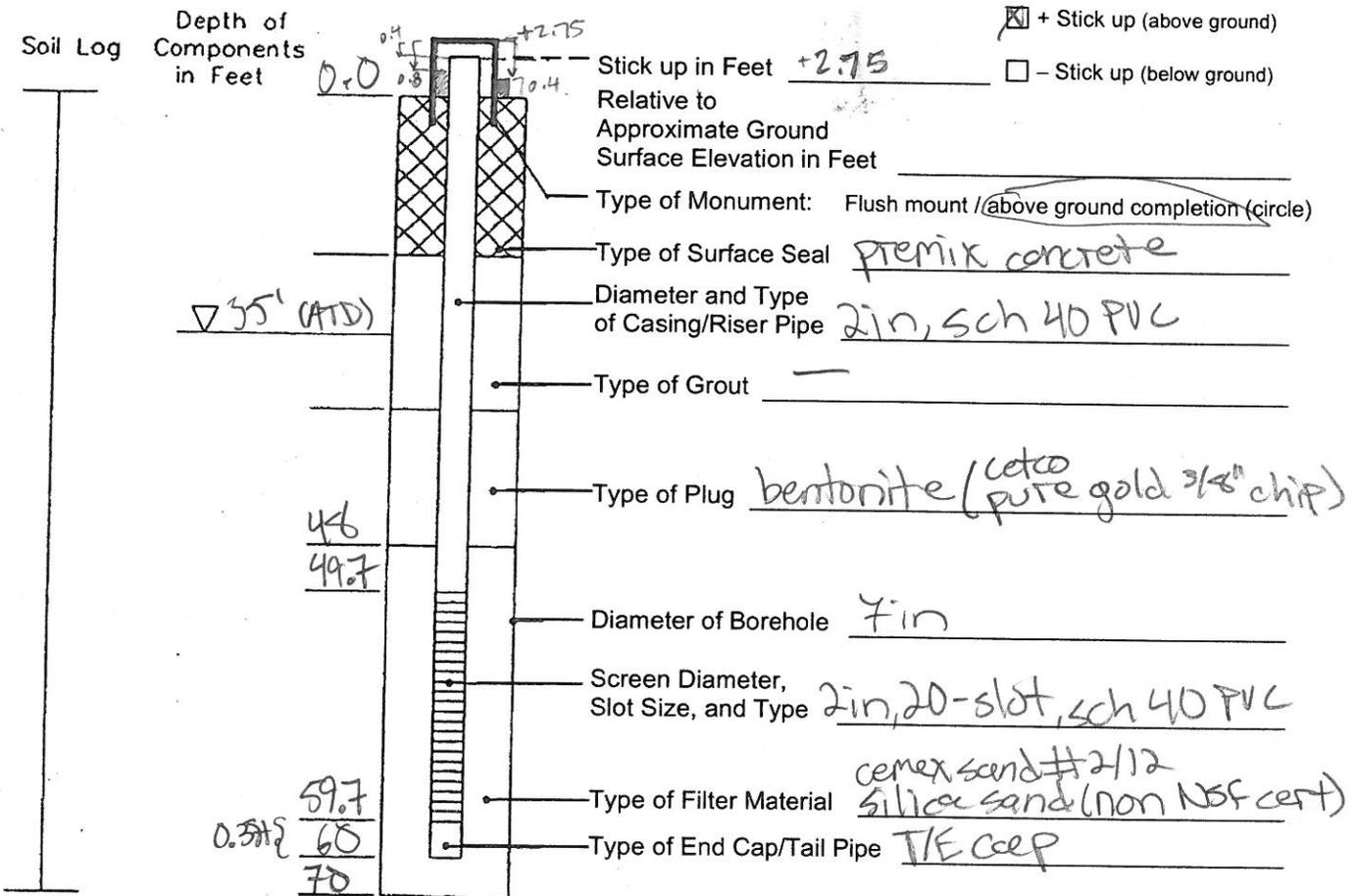
Materials Tally:

Sand	<u>6 bags</u>	Monument	_____
Cement	_____	PVC	_____
Bentonite	<u>13 bags</u>	Other	_____

Installation Report

Monitoring Well HMW-7IB

Project MMB Job No. 1940904 Date 3/2/2020
 Location 600 Mercer St HC Observer Dobier Driller Cascade-Rico
 Type of Well (Observation, Sampling, Vapor Extraction) sampling/monitoring
 Ecology Well Tag No. BLZ159



Remarks _____

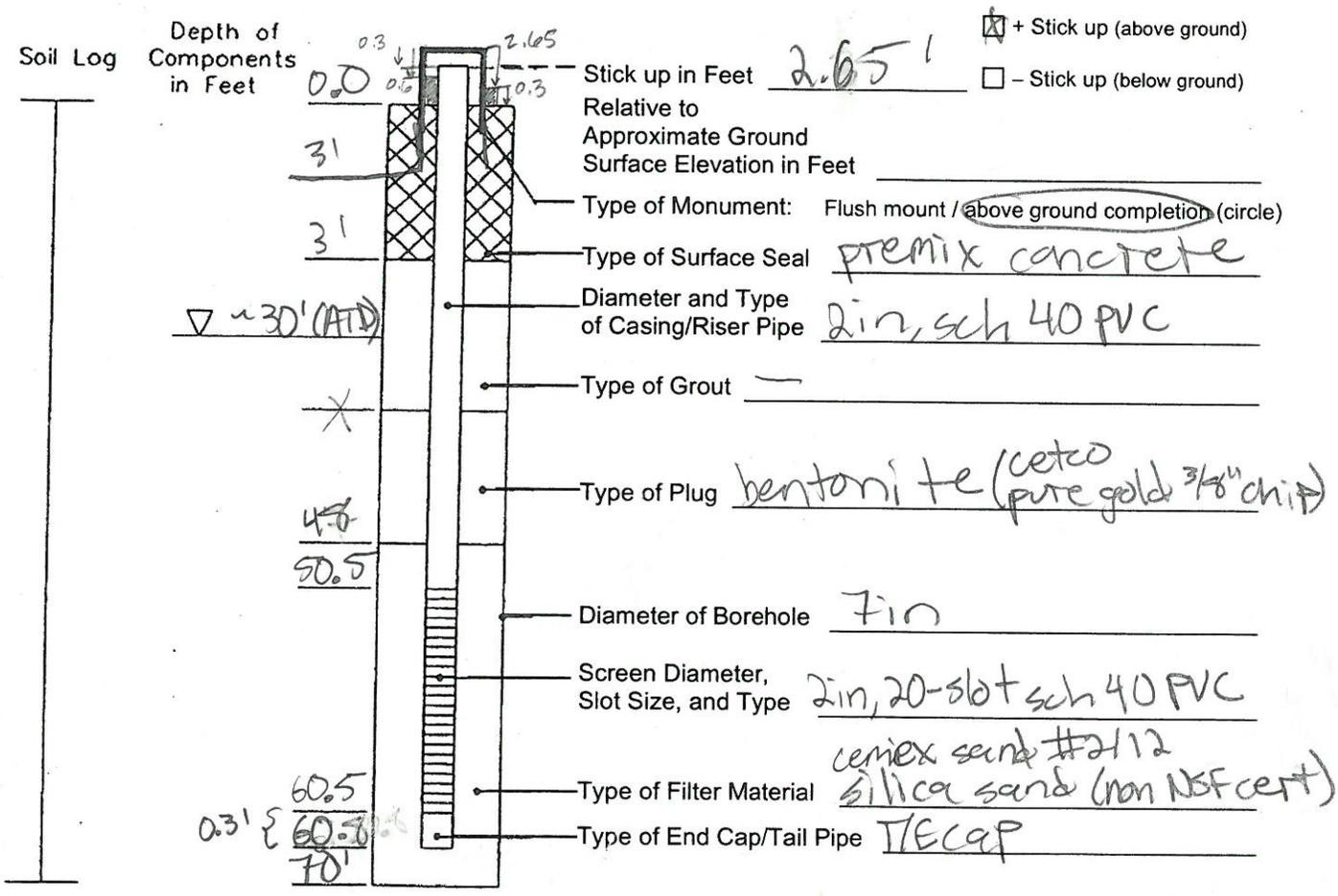
Materials Tally (qty. & unit):

Sand	<u>8</u>	Monument	<u>1x</u>
Cement	_____	PVC	<u>Johnson 10' screen 50' blank</u>
Bentonite	<u>16</u>	Other	_____

Installation Report

Monitoring Well HMW-81B

Project MMD Job No. 1940904 Date 3/2/2020
 Location 500 Mercer St HC Observer Dozier Driller Cascade-Pica
 Type of Well (Observation, Sampling, Vapor Extraction) Sampling/Monitoring
 Ecology Well Tag No. BLZ-156



Remarks _____

Materials Tally (qty. & unit):

Sand	<u>7 + 2 inside stick up</u>	Monument	<u>1x</u>
Cement	<u>15</u>	PVC	<u>Johnson 10' screen 50' blank</u>
Bentonite	<u>22 (incl backfill)</u>	Other	_____

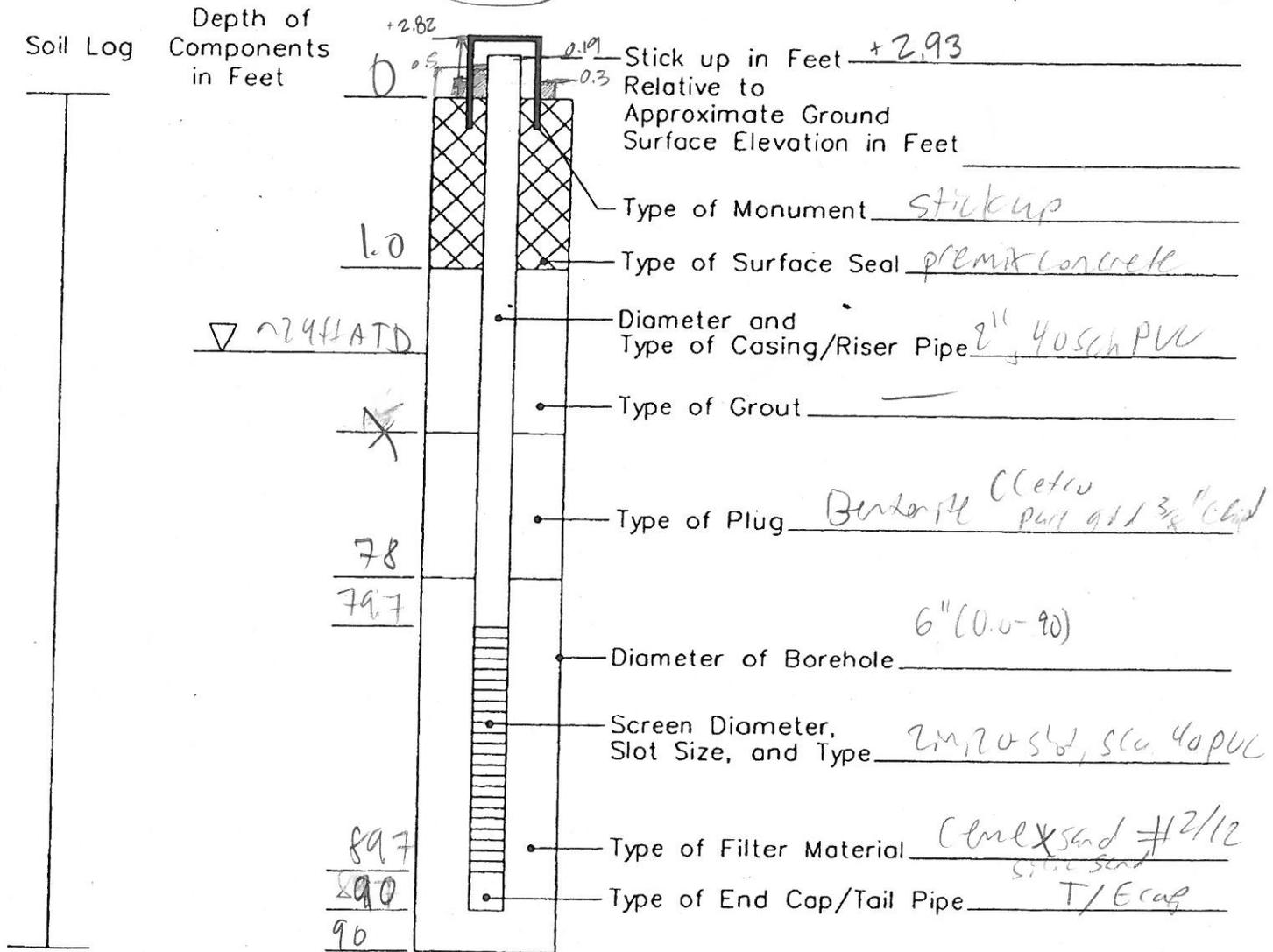
Installation Report

Monitoring Well Hand-9D

Project MMB Job No 1940904 Date 2/27/2020

Location 800 Mercer HC Observer AN Driller Cosia de-9

Type of Well (Observation, Sampling, Vapor Extraction) monitoring and sampling



Remarks: Finished drilling 2/27/2020, well set 2/28/20

Tag #: BLZ 192

Materials Tally:

Sand ~~10~~ 78 5 bags

Monument _____

Cement 16 bags

PVC Johnson 10 green 80' blank

Bentonite 16 bags

Other _____

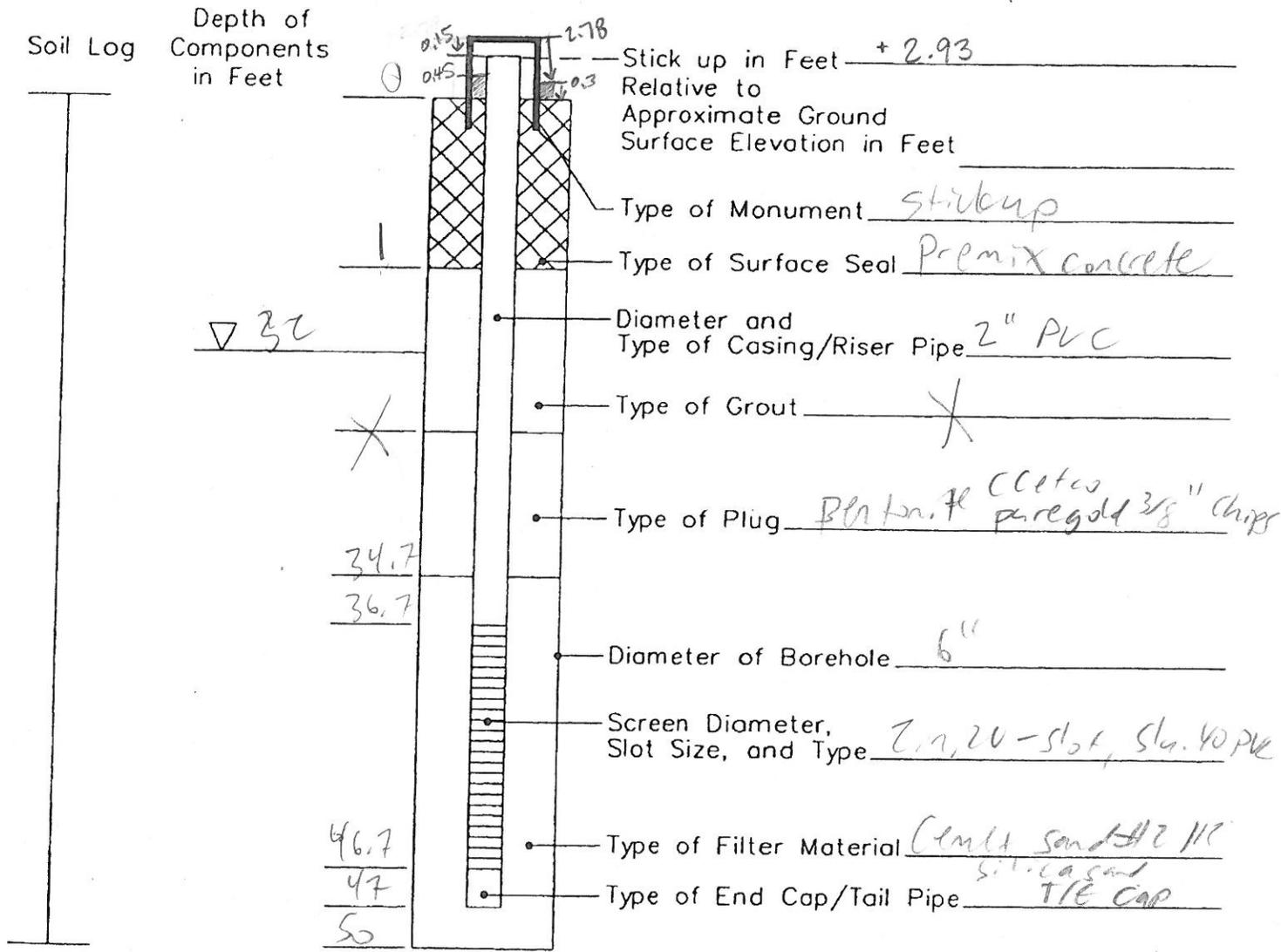
Installation Report

Monitoring Well HMW-97A

Project MNB Job No. 19409001 Date 2/28

Location 800 Mccle HC Observer AN Driller CASCADE

Type of Well (Observation, Sampling, Vapor Extraction) monitoring and sampling



Remarks: _____

TAG #: BL2190

Materials Tally:

Sand 5 bags Monument _____

Cement _____ PVC 5' hole 10' screen 3/4" blank

Bentonite 8 bags Other _____

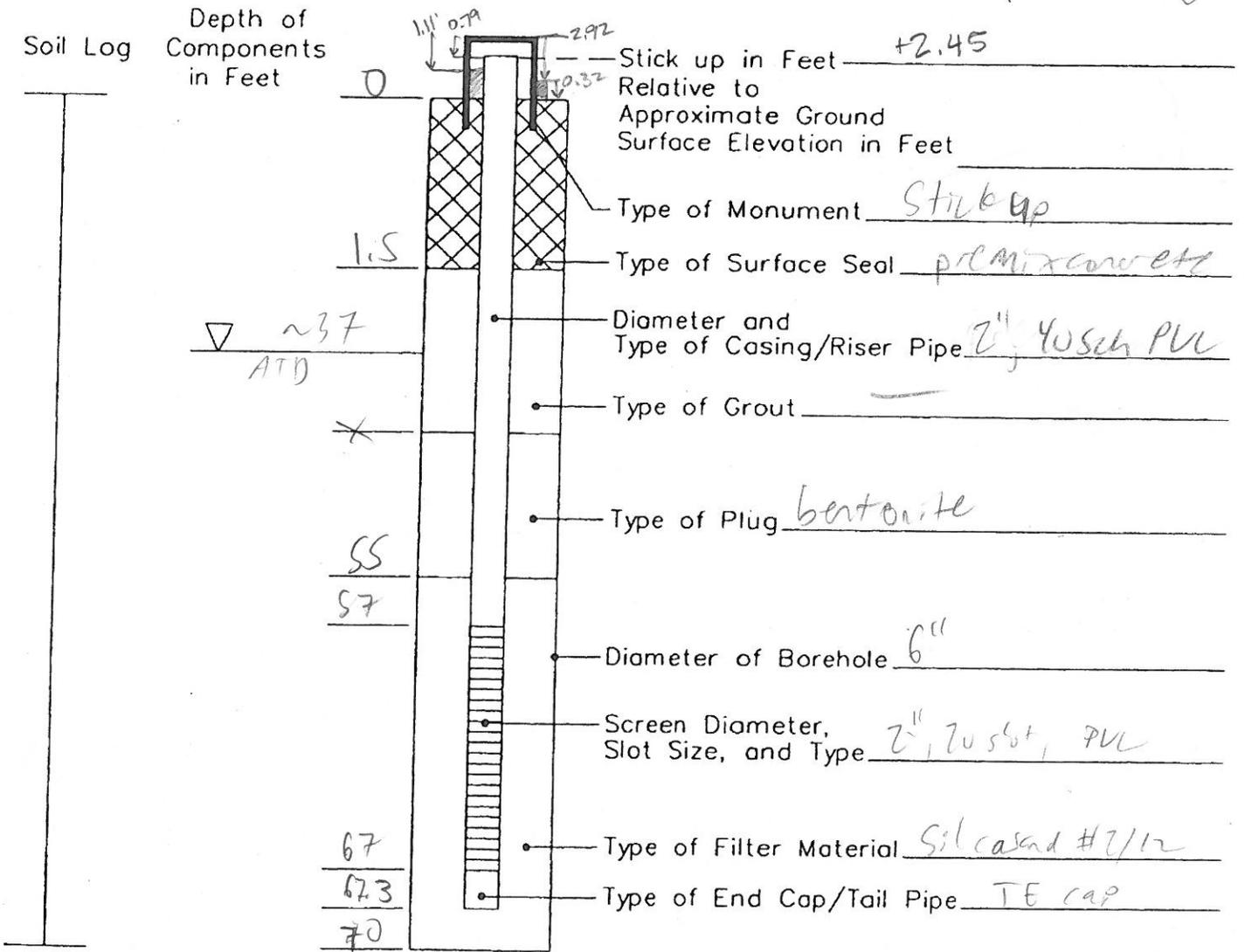
Installation Report

Monitoring Well HMW-9+B

Project MMB Job No. 1940904 Date 7/78

Location 800 Merck HC Observer AN Driller CASCAM

Type of Well (Observation, Sampling, Vapor Extraction) Monitoring + Sampling



Remarks: Screen set @ 67 to include sandy layer

tag # = BL2191 bring bolt cutters when sampling! screws from ecology tag pole above casing

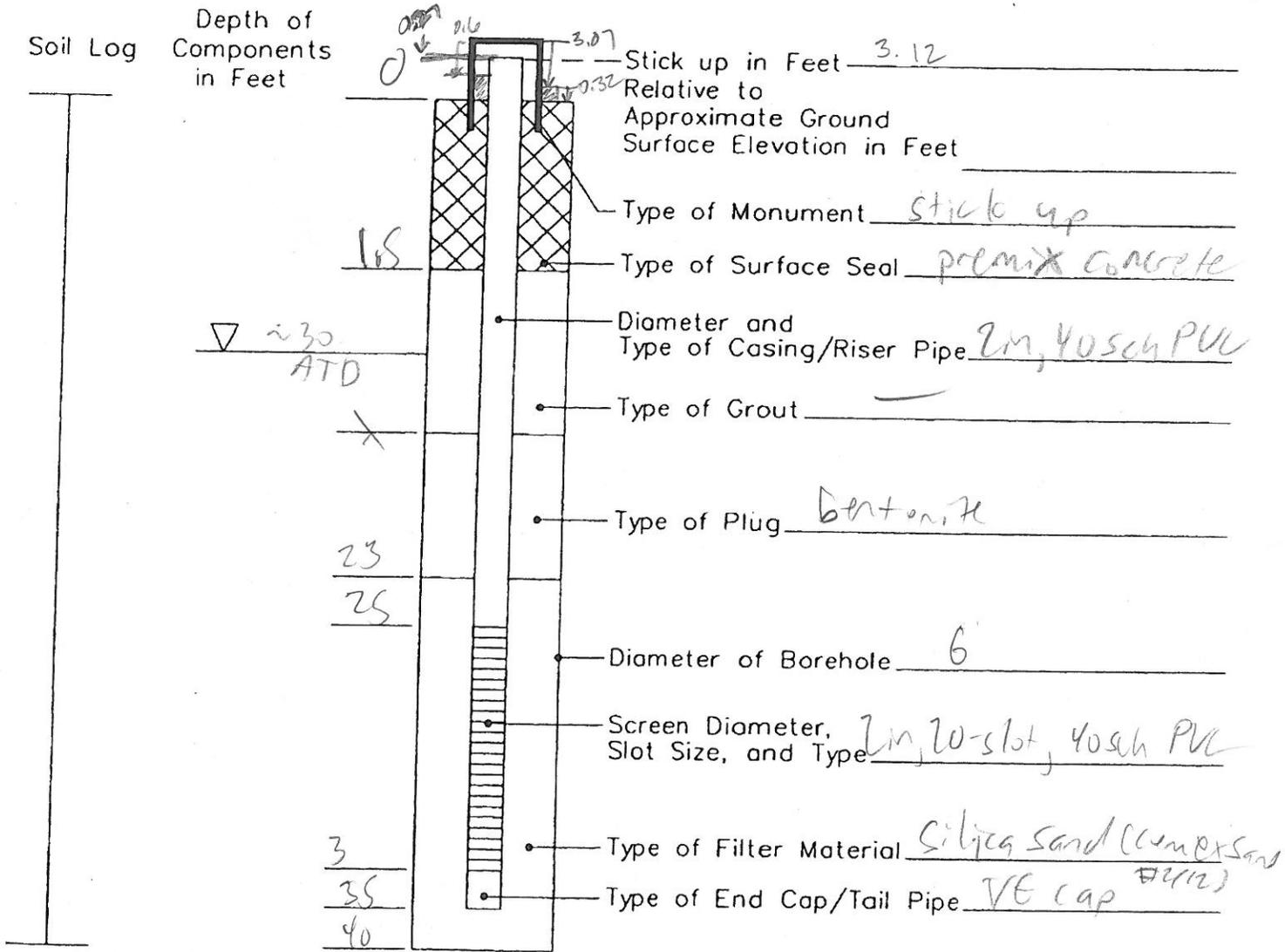
Materials Tally:

Sand <u>5 bags</u>	Monument _____
Cement _____	PVC _____
Bentonite <u> </u>	Other _____

Installation Report

Monitoring Well HMW-95

Project NMB Job No. 1940904 Date 3/2
 Location 800 mrcr HC Observer AN Driller Cascale
 Type of Well (Observation, Sampling, Vapor Extraction) Sampling & monitoring



Remarks: _____

Tag #: BL2189

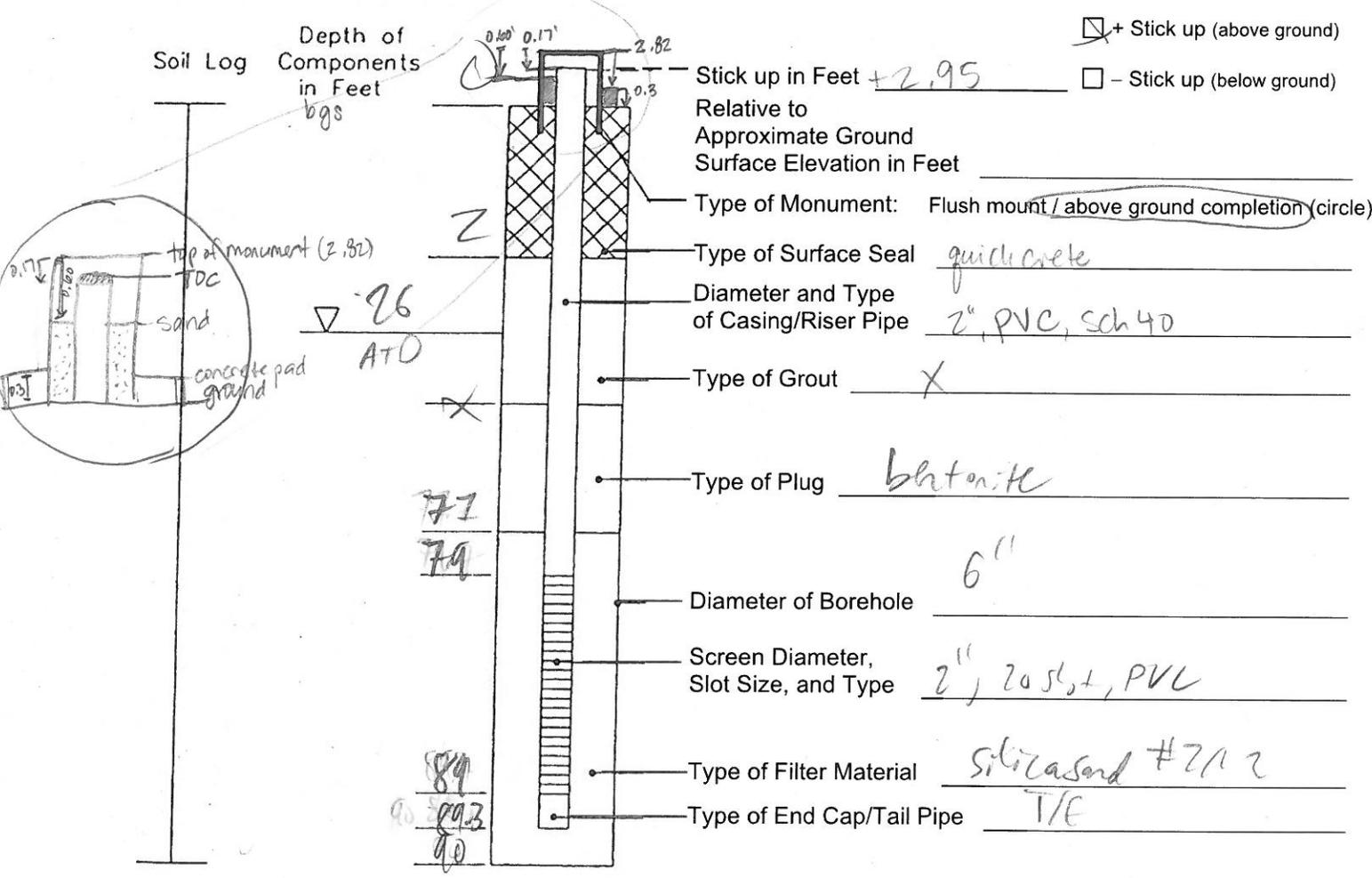
Materials Tally:

Sand <u>46 ags</u>	Monument _____
Cement _____	PVC _____
Bentonite <u>35 ags</u>	Other _____

Installation Report

Monitoring Well How-100

Project MMP Job No. 1940904 Date 3/5/20
 Location 800 Mercer HC Observer AN Driller Coscale
 Type of Well (Observation, Sampling, Vapor Extraction) Sampling & monitoring
 Ecology Well Tag No. BLZ194



+ Stick up (above ground)
 - Stick up (below ground)

- Stick up in Feet +2.95 Relative to Approximate Ground Surface Elevation in Feet _____
- Type of Monument: Flush mount / above ground completion (circle)
- Type of Surface Seal quikrete
- Diameter and Type of Casing/Riser Pipe 2" PVC, sch 40
- Type of Grout X
- Type of Plug Bentonite
- Diameter of Borehole 6"
- Screen Diameter, Slot Size, and Type 2", 2050+, PVC
- Type of Filter Material Silica sand #2/12
- Type of End Cap/Tail Pipe T/E

Remarks well set @ 89 due to soil cavity in, (SCOPE says 980-90')

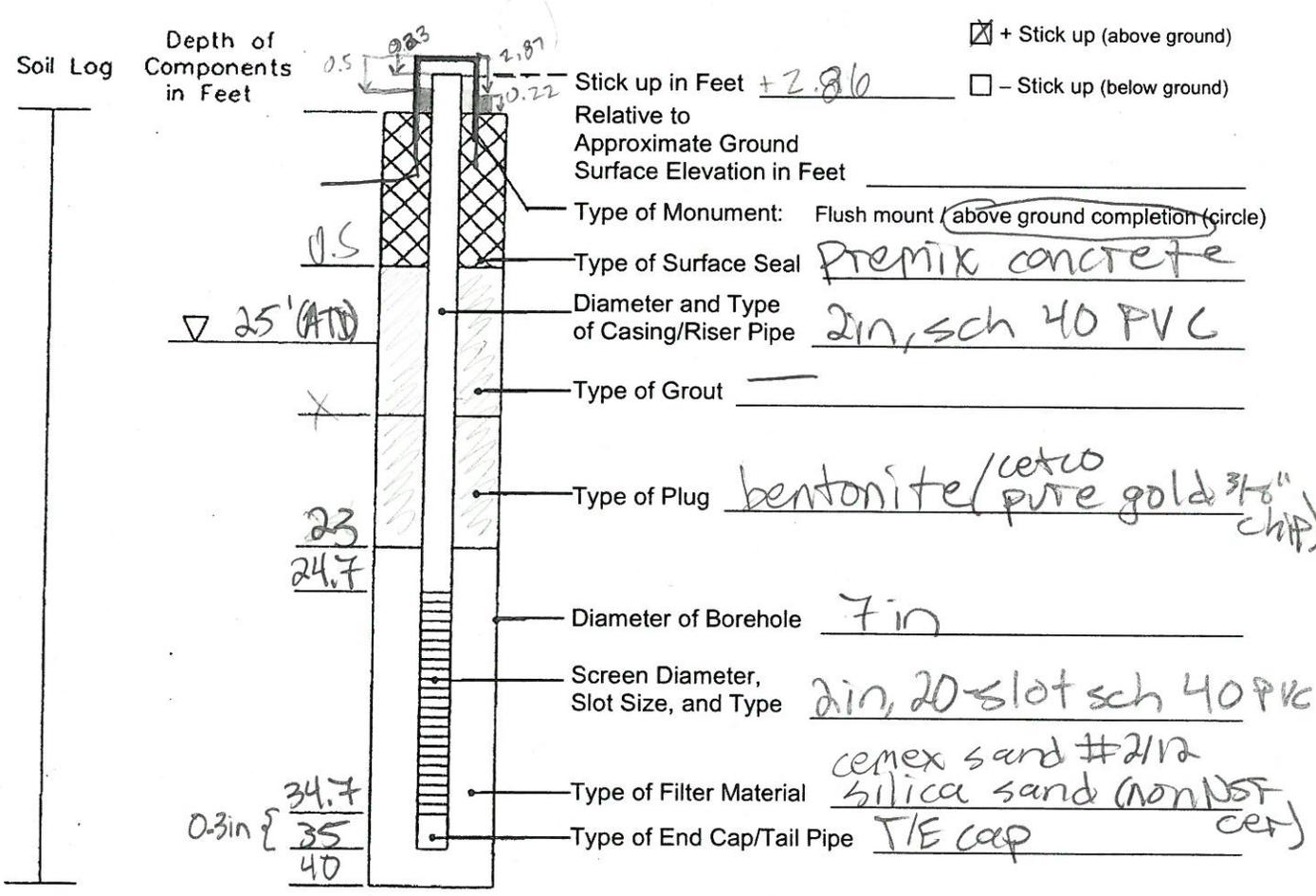
Materials Tally (qty. & unit):

Sand 5 bags Monument _____
 Cement _____ PVC _____
 Bentonite 10 bags Other _____

Installation Report

Monitoring Well HMW-10S

Project MMB Job No. 1940904 Date 3/3/20
 Location 800 Mercer St HC Observer Dobier Driller Cascade-Rico
 Type of Well (Observation, Sampling, Vapor Extraction) sampling, Monitoring
 Ecology Well Tag No. BLZ 193



Remarks _____

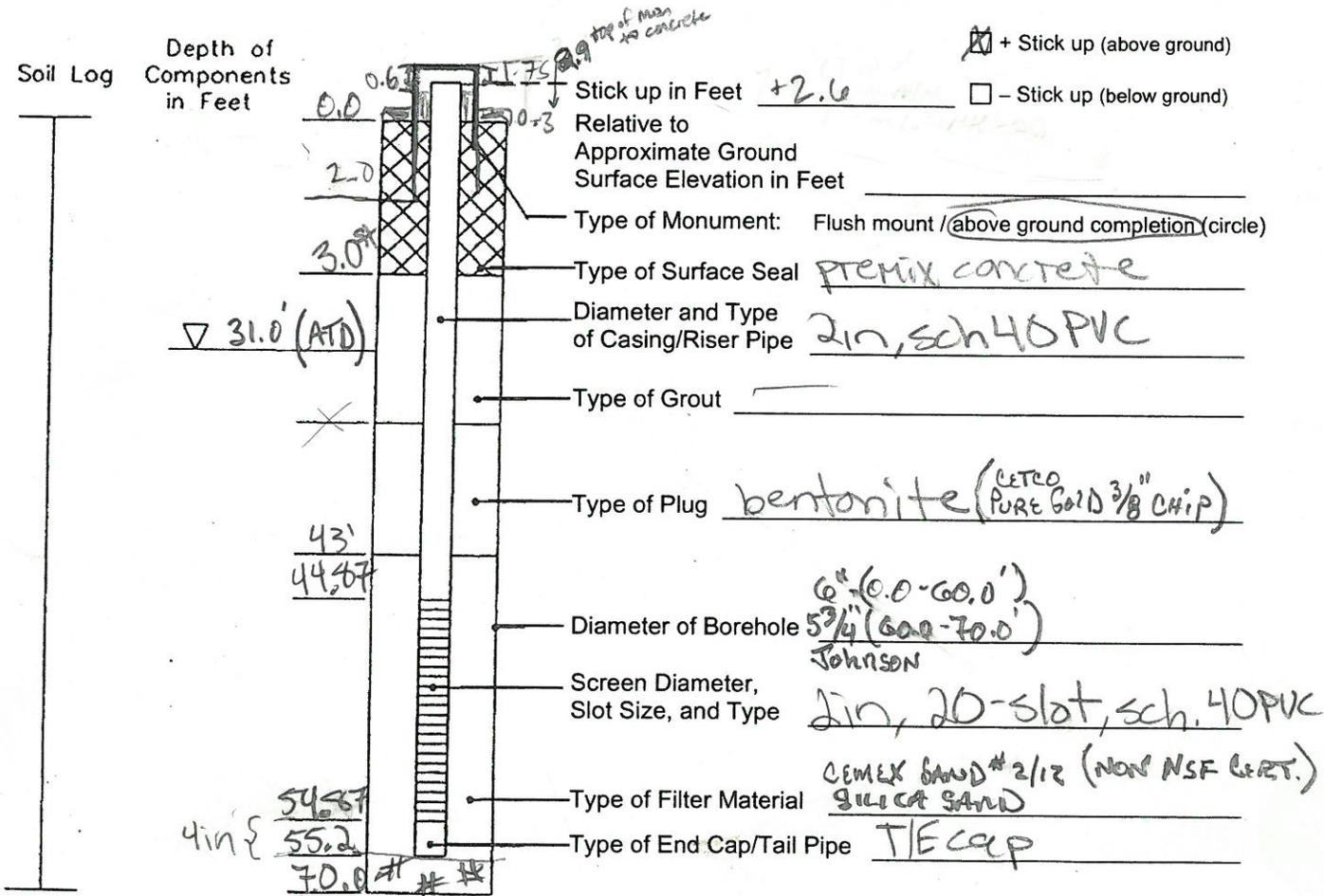
Materials Tally (qty. & unit):

Sand	<u>8</u>	Monument	<u>1x</u>
Cement	_____	PVC	<u>Johnson 10' screen 25' blank</u>
Bentonite	<u>1.5 - backfill</u>	Other	_____

Installation Report

Monitoring Well HMW-11B

Project MMB Job No. 1940904 Date 2/24/2020
 Location 800 Market St HC Observer Dazler Driller Cascade
 Type of Well (Observation, Sampling, Vapor Extraction) Monitoring/Sampling
 Ecology Well Tag No. BLZ 196



Remarks Hole flushed with water prior lower seal placement

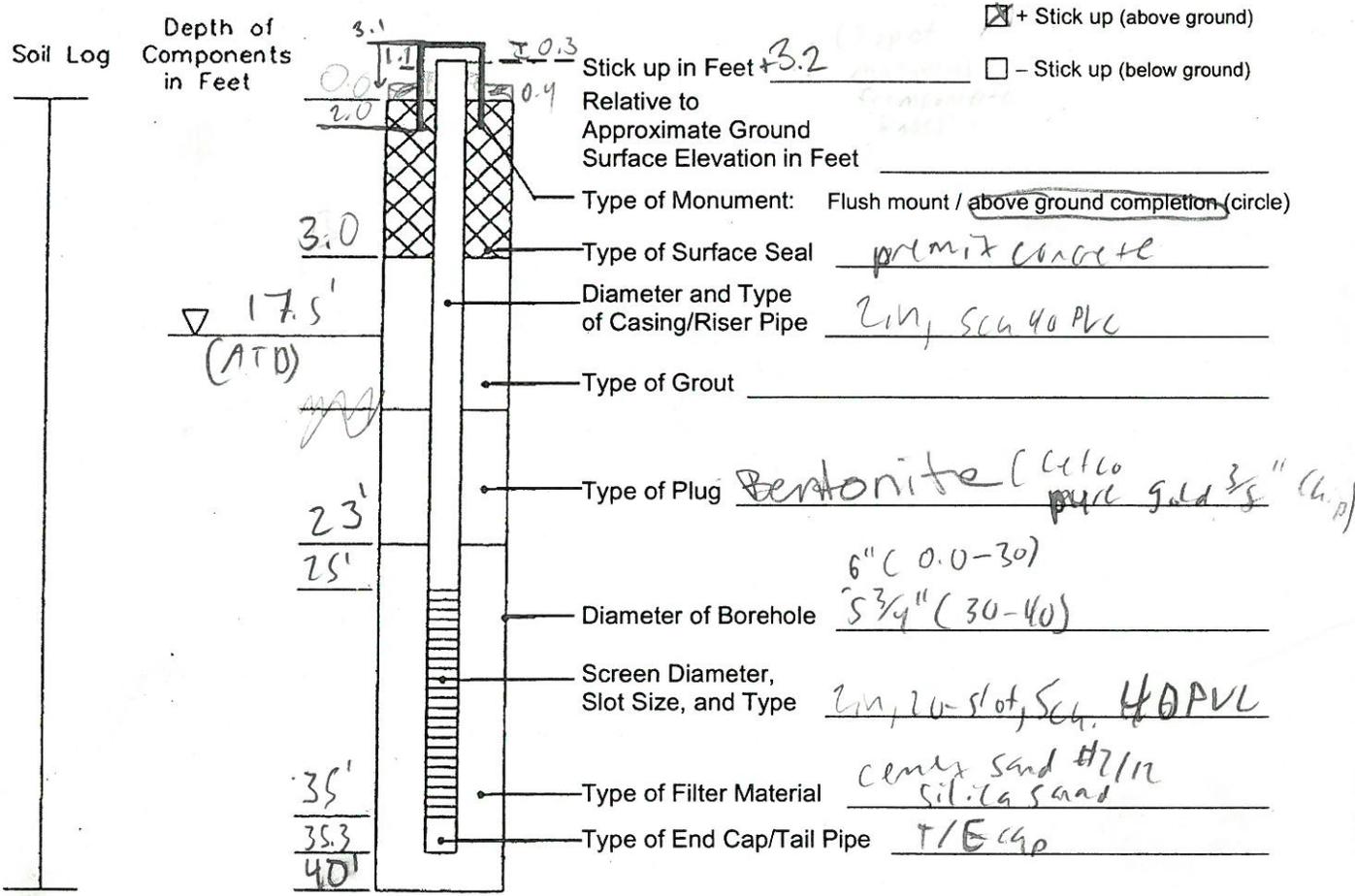
Materials Tally (qty. & unit):

Sand	<u>1 1/2 (5.5)</u>	Monument	<u>1X</u>
Cement	<u> </u>	PVC	<u>Johnson 10' SCREEN 45' BLANK</u>
Bentonite	<u>11</u>	Other	<u> </u>

Installation Report

Monitoring Well HMW-115

Project MMB Job No. 1940904 Date 2/25/20
 Location 600 Metzger HC Observer Dorley Driller Cascade Dan
 Type of Well (Observation, Sampling, Vapor Extraction) monitoring & sampling
 Ecology Well Tag No. BL 2195



Remarks _____

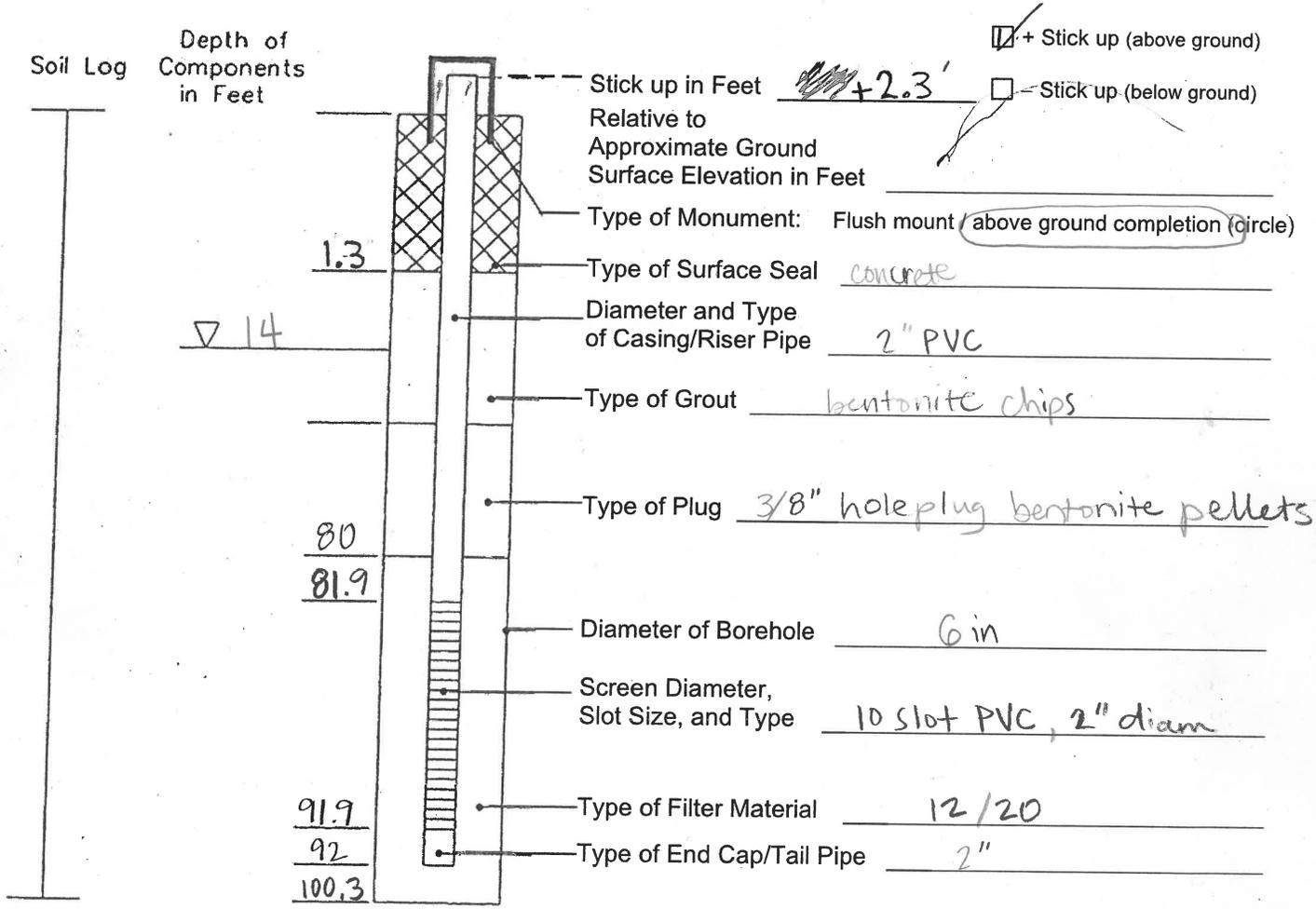
Materials Tally (qty. & unit):

Sand	<u>###</u>	<u>#2/12</u>	Monument	_____
Cement	_____	_____	PVC	<u>Johns 10' screen</u> <u>25' blank</u>
Bentonite	<u>###</u>	_____	Other	_____

Installation Report

Monitoring Well HMW-12D

Project 800 Mercer Job No. 1940905 Date 7/16/20
 Location NE corner of site (9th + Roy) HC Observer L. Phillips Driller Holt-Abe
 Type of Well (Observation, Sampling, Vapor Extraction) Observation, sampling
 Ecology Well Tag No. BMP 290



Remarks initially intended to set the well w/ screen 98'-88' but sand settled at bottom (8') + screen interval 92-82 was ok-ed

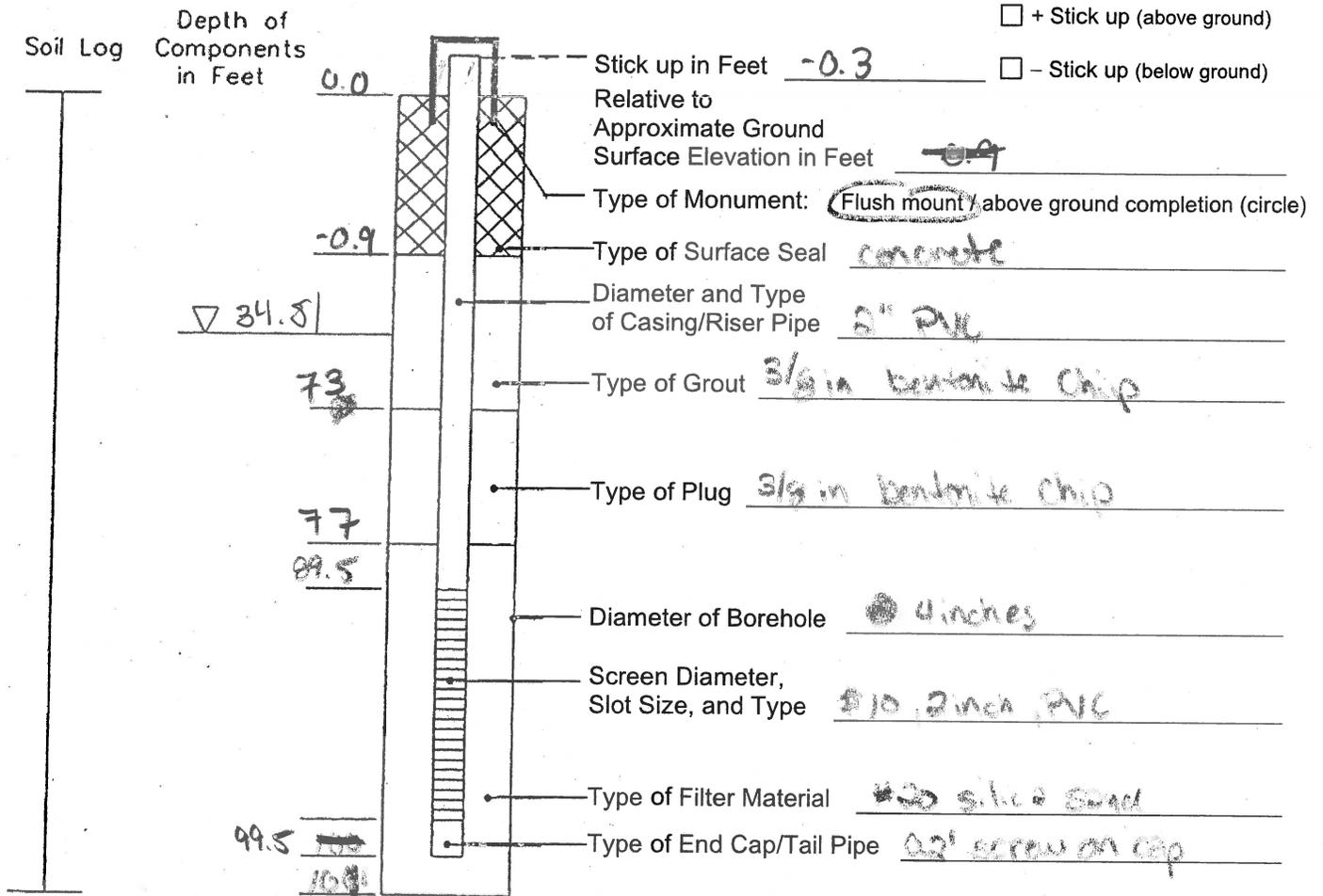
Materials Tally (qty. & unit):

Sand	<u>3 (4ft each)</u>	Monument	<u>1</u>
Cement		PVC	<u>10 10ft sections</u>
Bentonite	<u>3 buckets pellet Plug 12 bags of bentonite chips</u>	Other	

Installation Report

Monitoring Well HW-13D

Project 905 Thruway Job No. 19409-05 Date 7/23/20
 Location Settle Hill HC Observer C. Kuskie Driller Holt - John Bennett
 Type of Well (Observation, Sampling, Vapor Extraction) Observation
 Ecology Well Tag No. BMP 318



Remarks _____

Materials Tally (qty. & unit):

Sand	_____	Monument	_____
Cement	_____	PVC	_____
Bentonite	_____	Other	_____

Installation Report

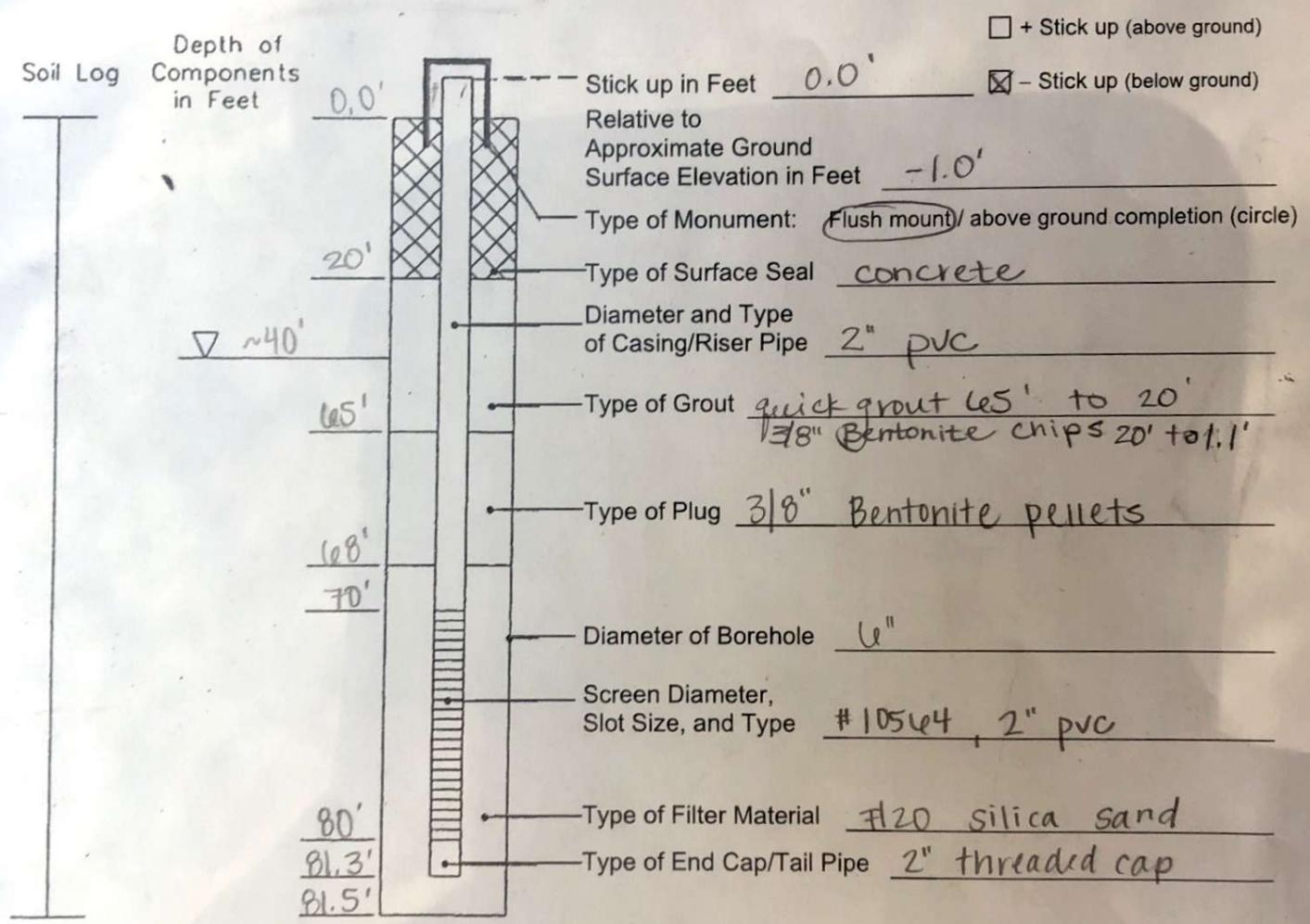
Monitoring Well AMW-14D

Project 800 Mercer Job No. 1940905 Date 7/21/2020

Location Seattle, WA HC Observer A. Finigan Driller John Bennett

Type of Well (Observation, Sampling, Vapor Extraction) Observation

Ecology Well Tag No. BMP 317



Remarks _____

Materials Tally (qty. & unit):

Sand	_____	Monument	_____
Cement	_____	PVC	_____
Bentonite	_____	Other	_____

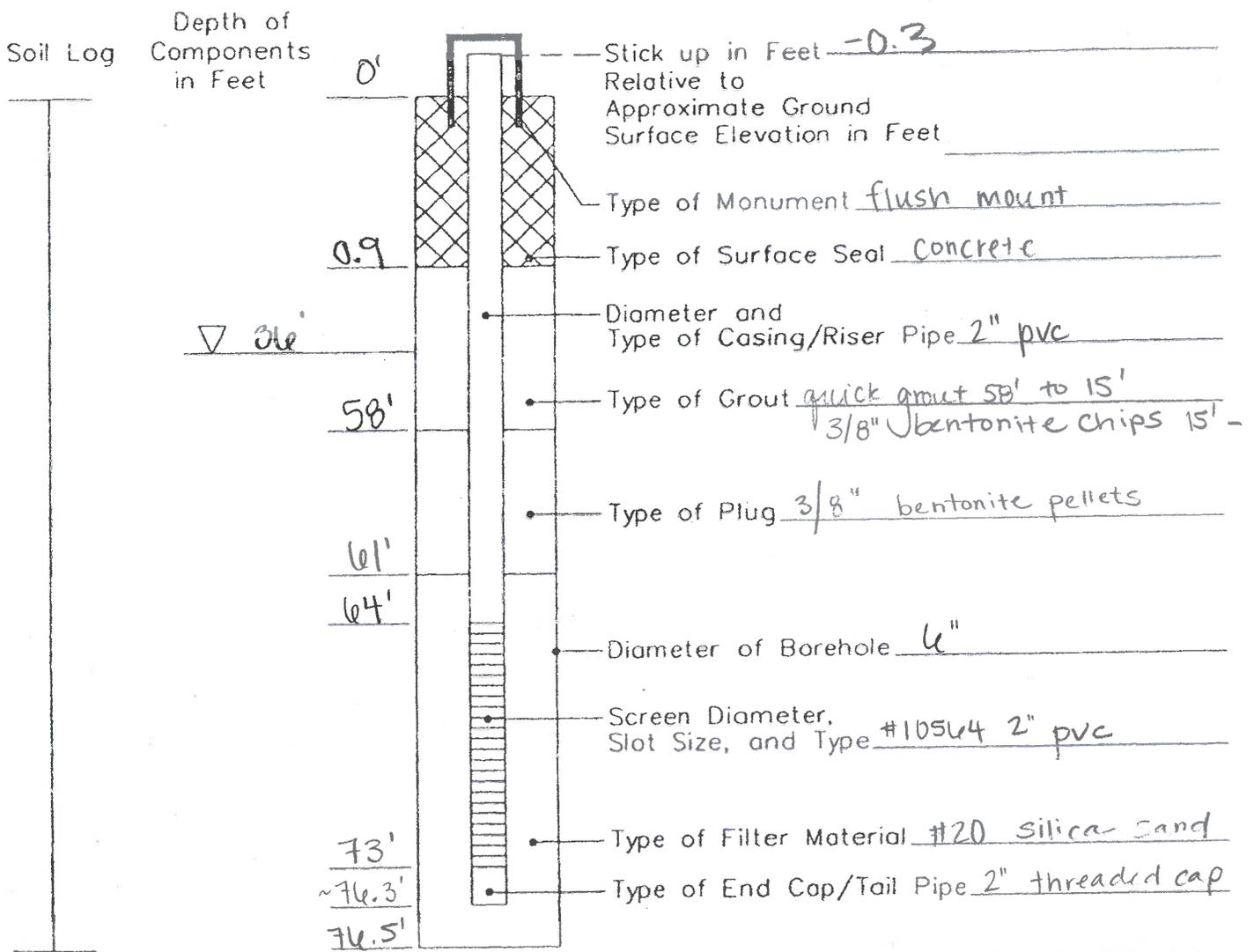
Installation Report

Monitoring Well HMW-15Ib

Project 800 Mercer Job No. 1940905 Date 7/16/26

Location Seattle, WA HC Observer A. Finigan Driller J. Bennett

Type of Well (Observation, Sampling, Vapor Extraction) Observation



Remarks: ECOLOGY WELL TAG → BMP 316
bottom of screen supposed to sit @ 74' bgs but due to a small amt
of sloughing now sits @ ~73' bgs

Materials Tally:

Sand _____	Monument _____
Cement _____	PVC _____
Bentonite _____	Other _____

Installation Report

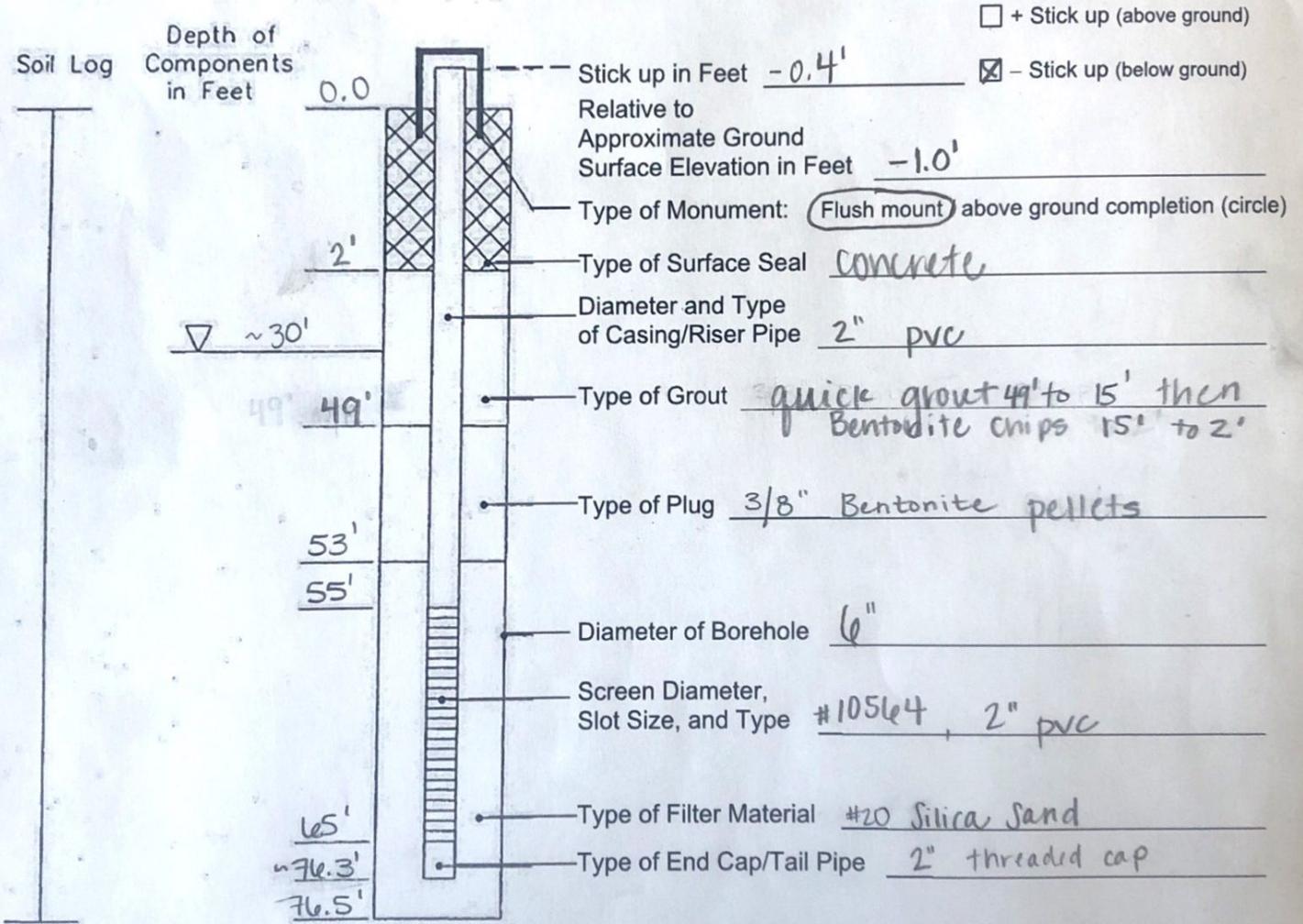
Monitoring Well HMW-1LeIb

Project Mercer Mega Block Job No. 19409-05 Date 7/15/2020

Location Seattle, WA HC Observer A. Finigan Driller John Bennett (Holt)

Type of Well (Observation, Sampling, Vapor Extraction) observation

Ecology Well Tag No. BMP315



Remarks Well location in NW corner of site.

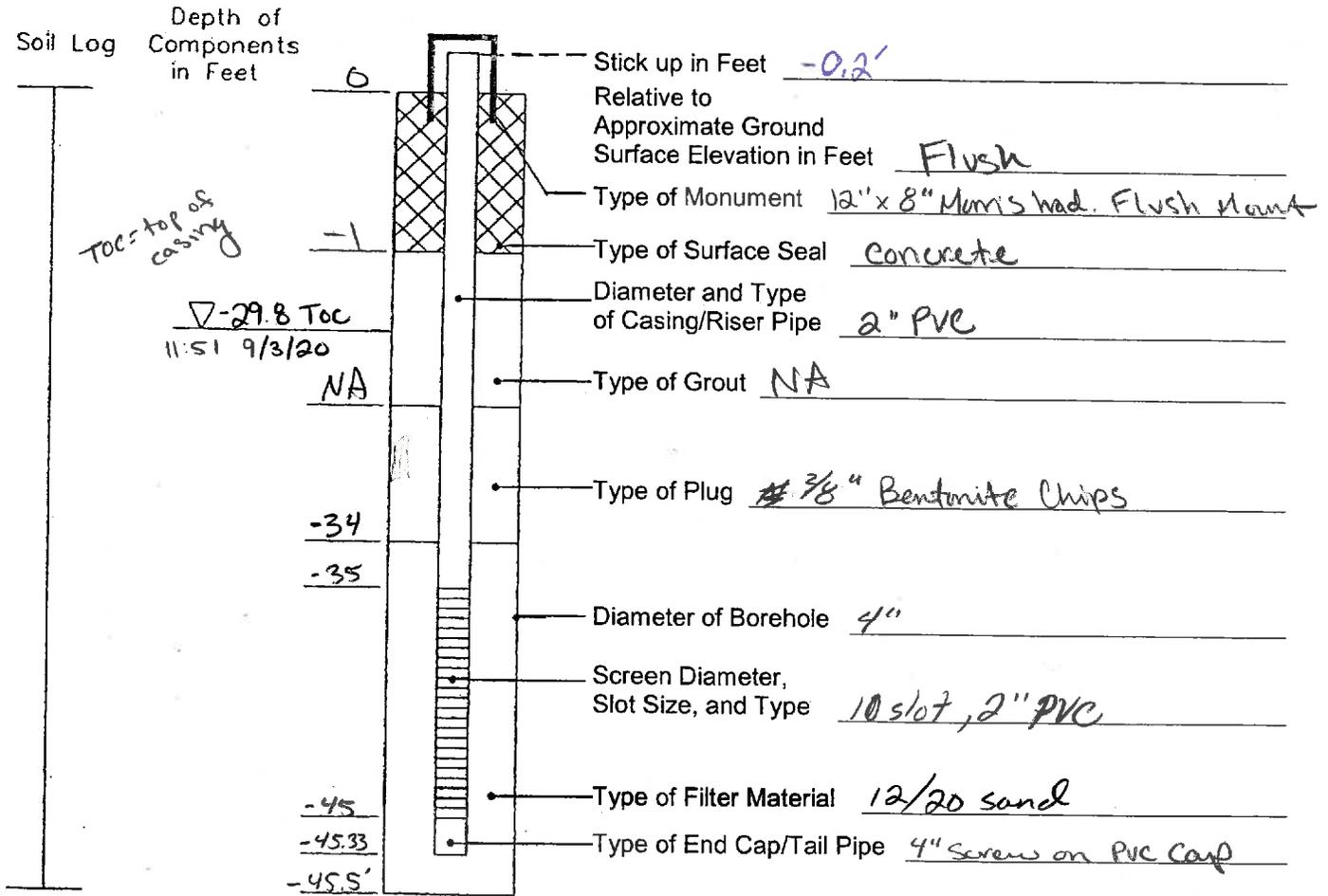
Materials Tally (qty. & unit):

Sand	_____	Monument	_____
Cement	_____	PVC	_____
Bentonite	_____	Other	_____

Installation Report

Monitoring Well HMW-17S

Project MMB Job No. 19409-04 Date 9/3/20
 Location 11'S of HMW-1618 HC Observer C. McCabe Driller Holt-Mitch+Austin
 Type of Well (Observation, Sampling, Vapor Extraction) Observation



Remarks Ecology Tag = BMP-351

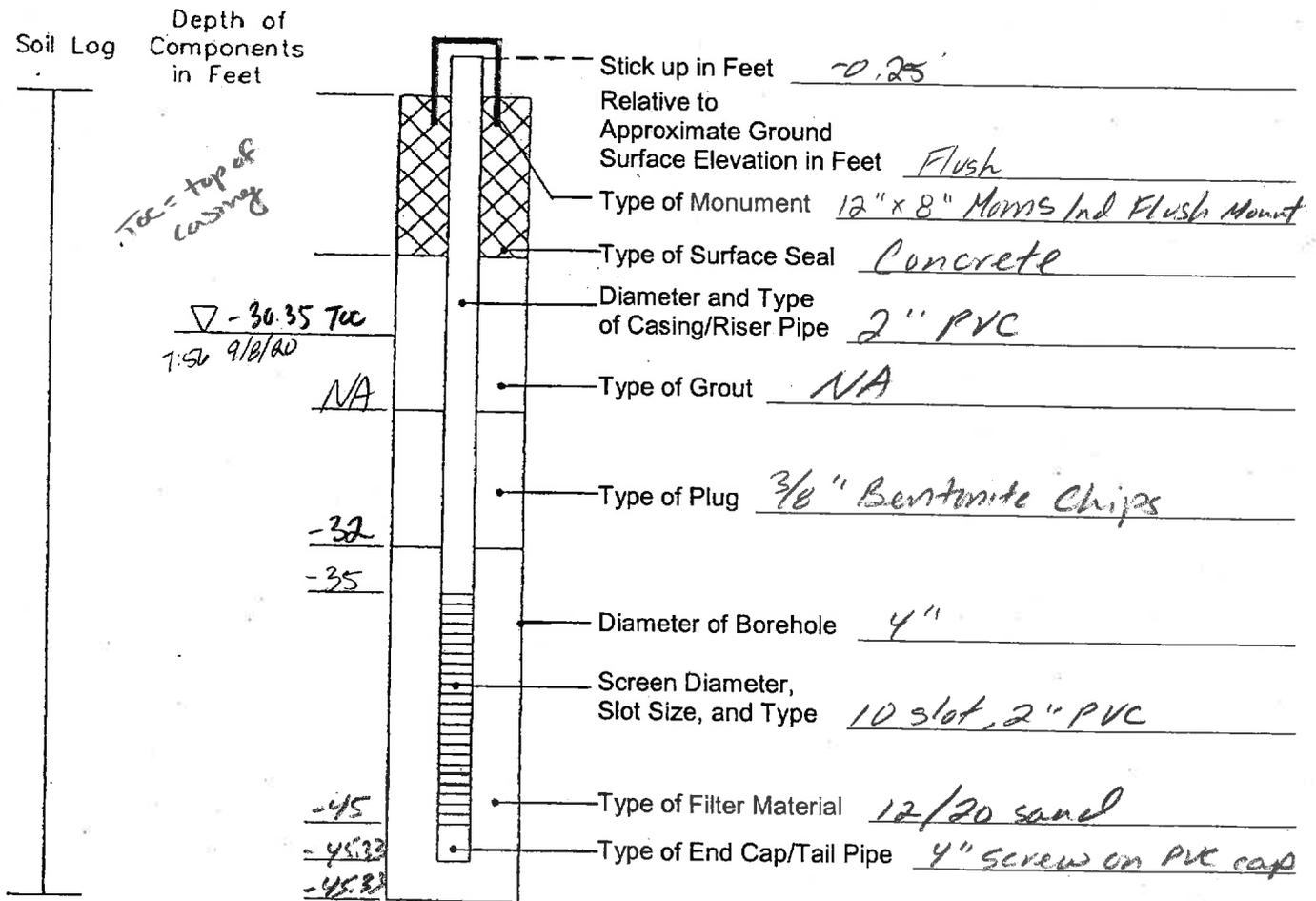
Materials Tally:

Sand _____ Monument _____
 Cement _____ PVC _____
 Bentonite _____ Other _____

Installation Report

Monitoring Well HMW-185

Project MMB Job No. 19409-04 Date 9/3/20
 Location 22' W of HMW-3D HC Observer C. McCabe Driller Holt-Mitch+Austin
 Type of Well (Observation, Sampling, Vapor Extraction) Observation



Remarks Ecology Tag = BMP-352

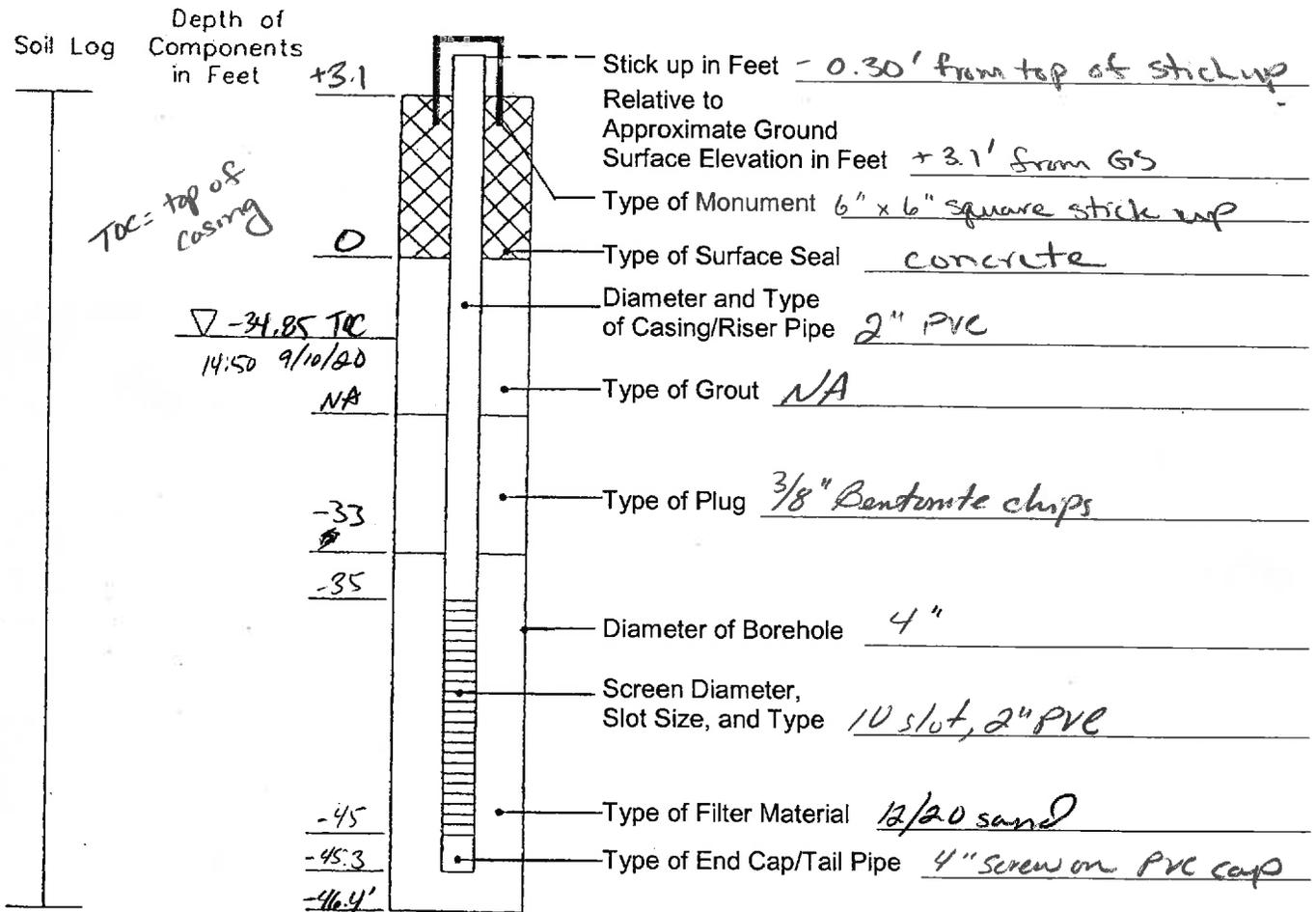
Materials Tally:

Sand	_____	Monument	_____
Cement	_____	PVC	_____
Bentonite	_____	Other	_____

Installation Report

Monitoring Well HMW-19S

Project MURB Job No. 19409-04 Date 9/8/20
 Location 30' N of HMW-57B HC Observer C. McCabe Driller Holt-Mitch+Austin
 Type of Well (Observation, Sampling, Vapor Extraction) Observation



Remarks Ecology Tag=BMP-353

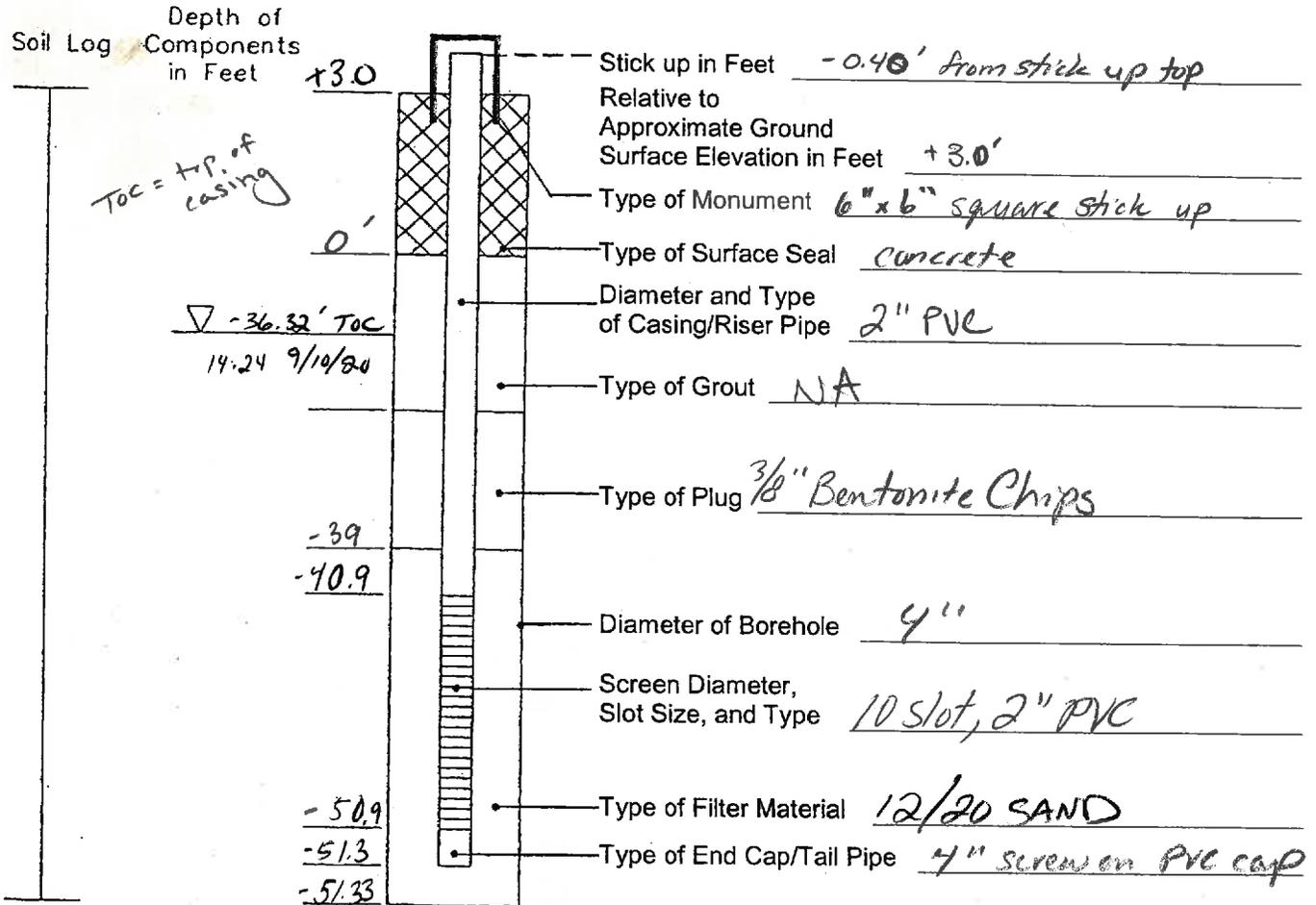
Materials Tally:

Sand	_____	Monument	_____
Cement	_____	PVC	_____
Bentonite	_____	Other	_____

Installation Report

Monitoring Well HMW-201A

Project MMB Job No. 19409-04 Date 9/9/20
 Location _____ HC Observer C. McCabe Driller Holt - Mitch + Austin
 Type of Well (Observation, Sampling, Vapor Extraction) Observation



Remarks Ecology Tag = BMP-356

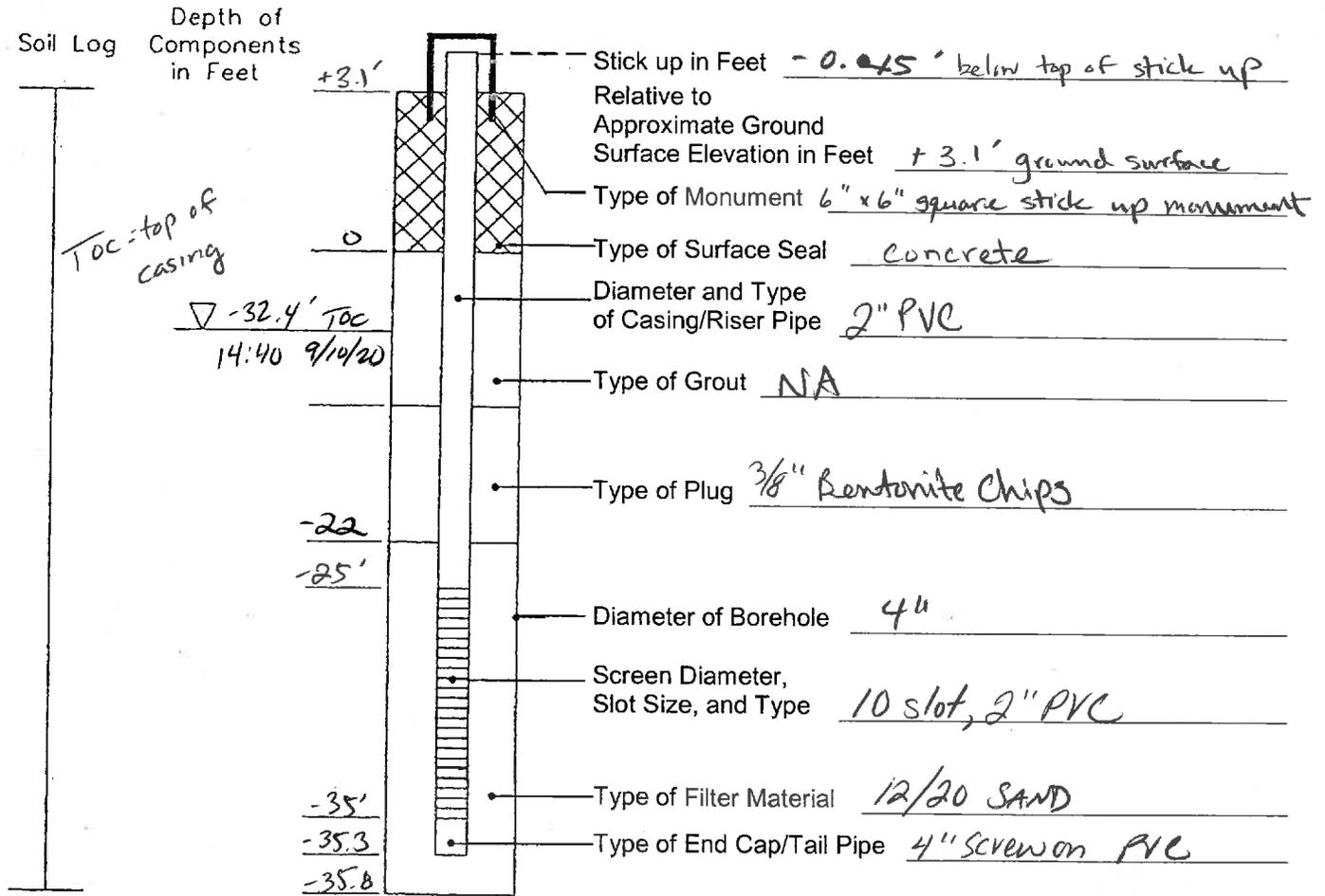
Materials Tally:

Sand _____ Monument _____
 Cement _____ PVC _____
 Bentonite _____ Other _____

Installation Report

Monitoring Well HMW-20S

Project MMB Job No. 19409-04 Date 9/8/20
 Location 32' N #22' E of HMW-9D HC Observer C. McCabe Driller Holt-Mitch+Austin
 Type of Well (Observation, Sampling, Vapor Extraction) Observation



Remarks Ecology Tag: BMP-35⁴

Materials Tally:

Sand	_____	Monument	_____
Cement	_____	PVC	_____
Bentonite	_____	Other	_____

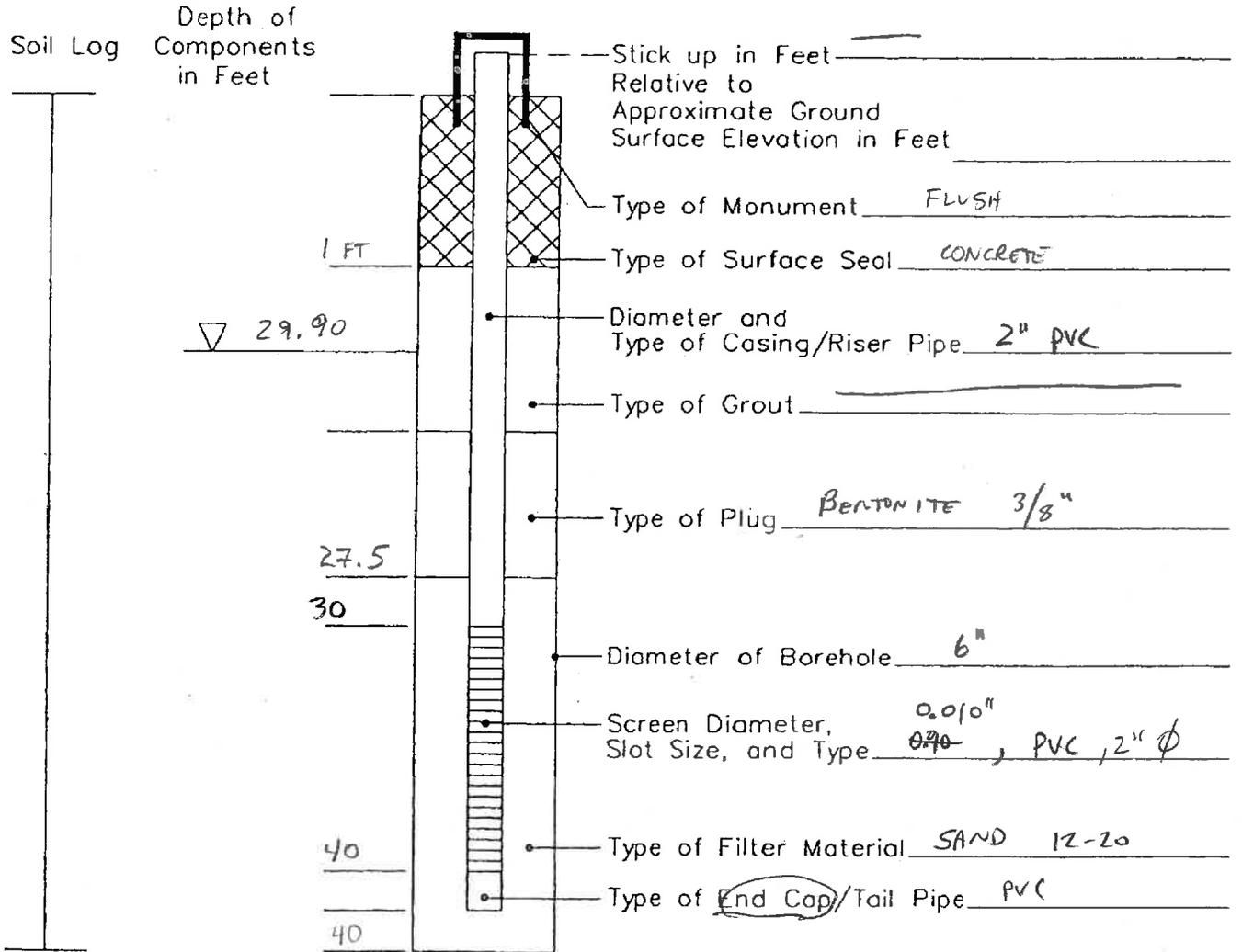
Installation Report

Monitoring Well HMW-215

Project MMB Job No. 1910904 Date 10/22/2020

Location 9TH AVE N @ MERCER AVE, SEATTLE HC Observer B. LYLE Driller HOLT SERVICES

Type of Well (Observation, Sampling, Vapor Extraction) OBSERVATION / SAMPLING



Remarks: 10' SCREEN
EKOLOGY TAG BMP 373

Materials Tally:

Sand _____	Monument _____
Cement _____	PVC _____
Bentonite _____	Other _____

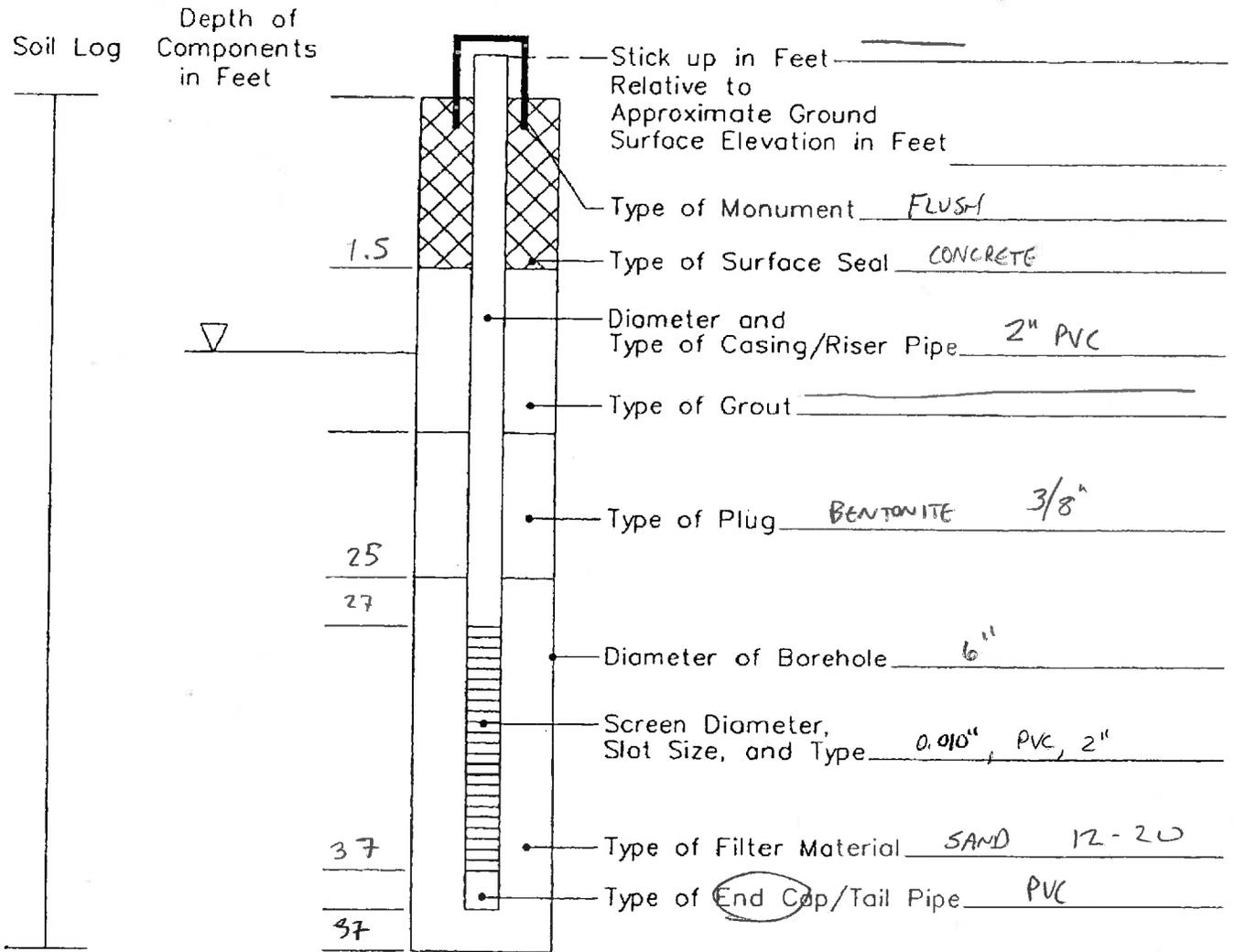
Installation Report

Monitoring Well HMW-225

Project MMB Job No. 1940904 Date 10/22/2020

Location 9TH ST SIDEWALK @ MEXICO ST, SEATTLE HC Observer B LITTLE Driller HOLT SERVICES

Type of Well (Observation, Sampling, Vapor Extraction) OBSERVATION/SAMPLING



Remarks: 10' SCREEN

ECOLOGY TAL BMP 374

Materials Tally:

Sand _____	Monument _____
Cement _____	PVC _____
Bentonite _____	Other _____