

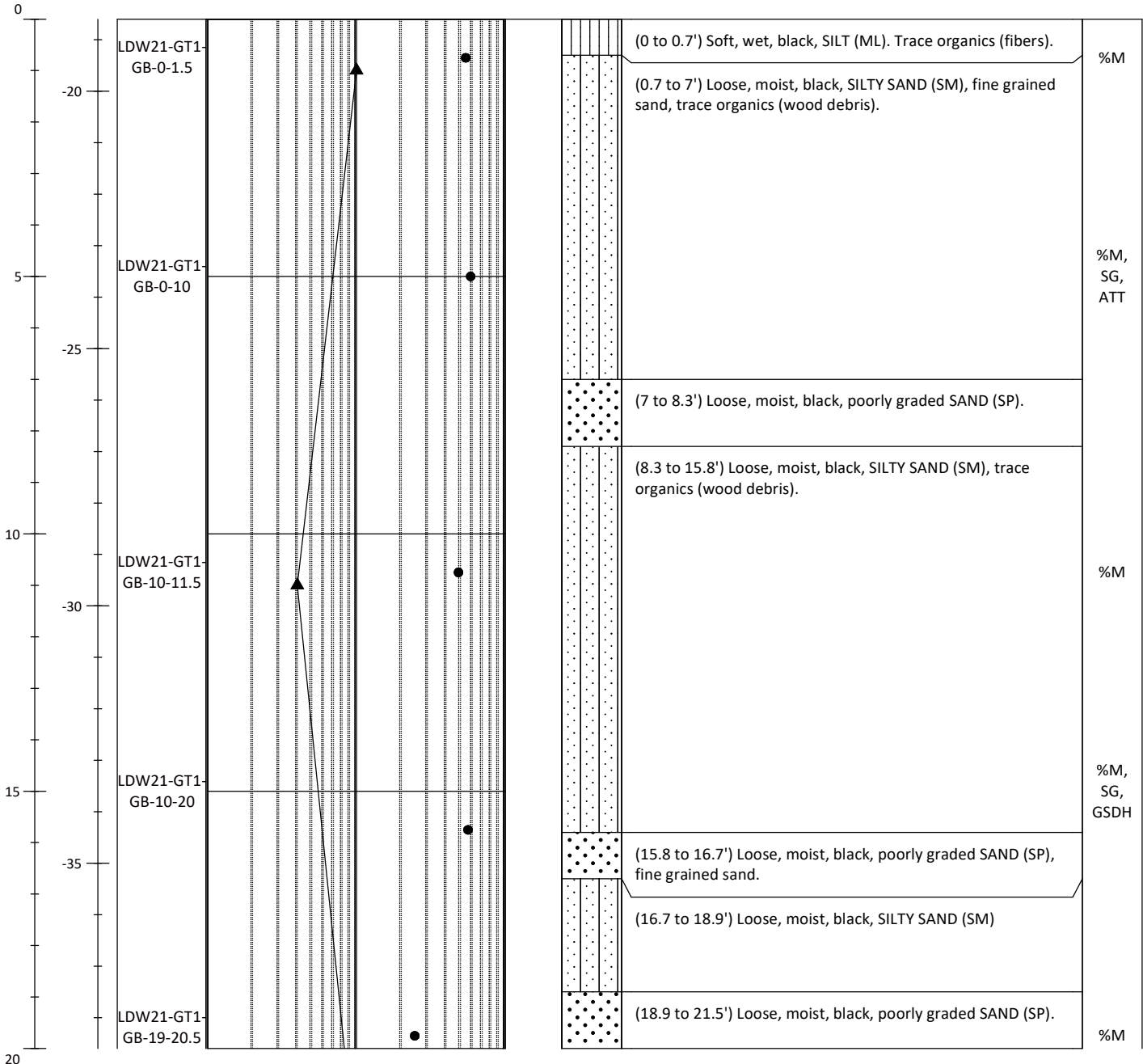
[DRAFT] Soil Boring Log

LDW21-GT1-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 197701.636 E/LONG: 1273353.682	Total Depth (ft): 21.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 27.2
Collection Date: 07.09.21		Mudline Elevation (ft): -18.6
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

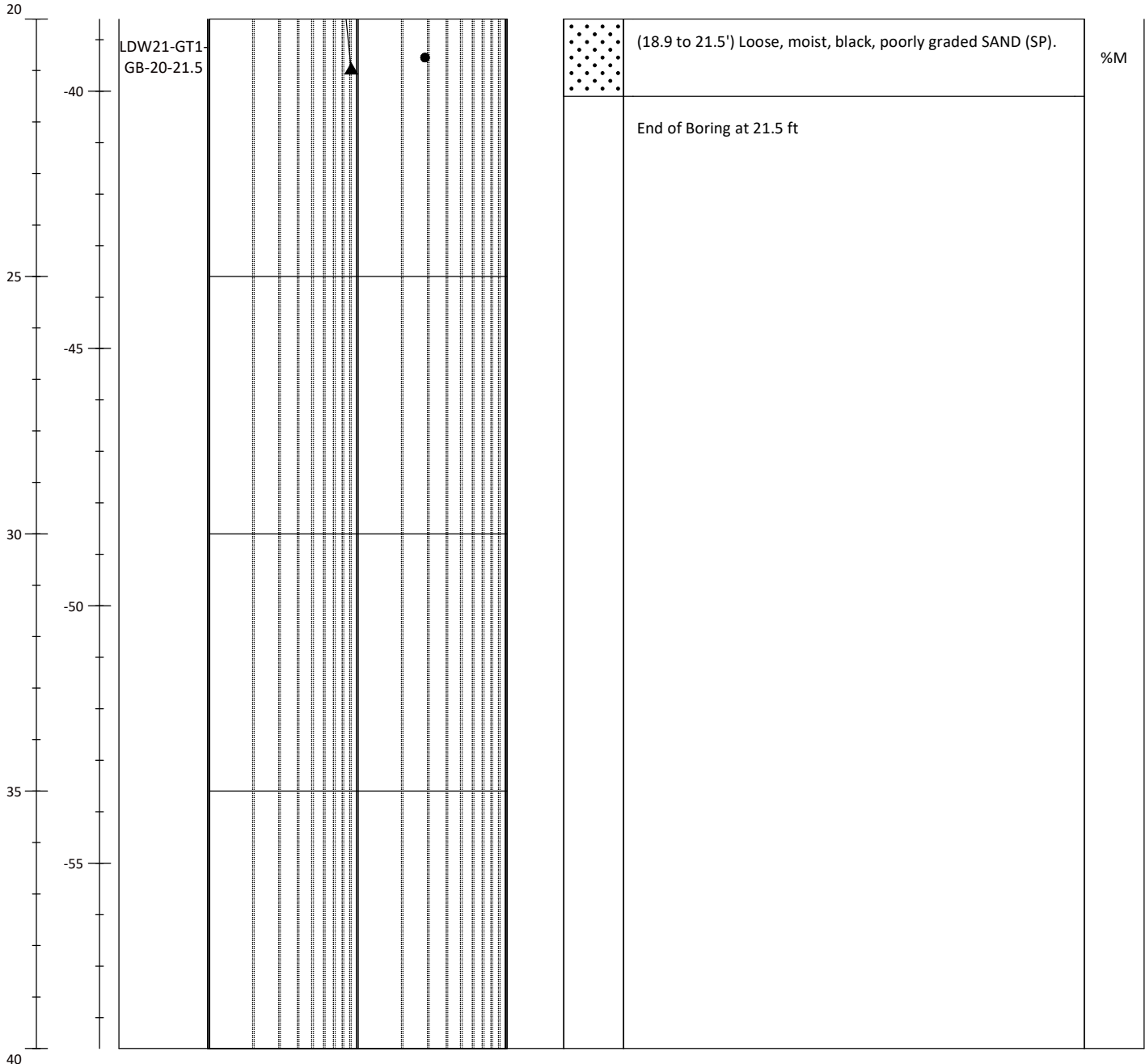
[DRAFT] Soil Boring Log

LDW21-GT1-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 197701.636 E/LONG: 1273353.682	Total Depth (ft): 21.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 27.2
Collection Date: 07.09.21		Mudline Elevation (ft): -18.6
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



<p>1201 Third Avenue Suite 2600 Seattle, WA 98101</p>	<ul style="list-style-type: none"> ▲ SPT N-Value ● Moisture Content (%) 	<p>Notes: %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels</p>
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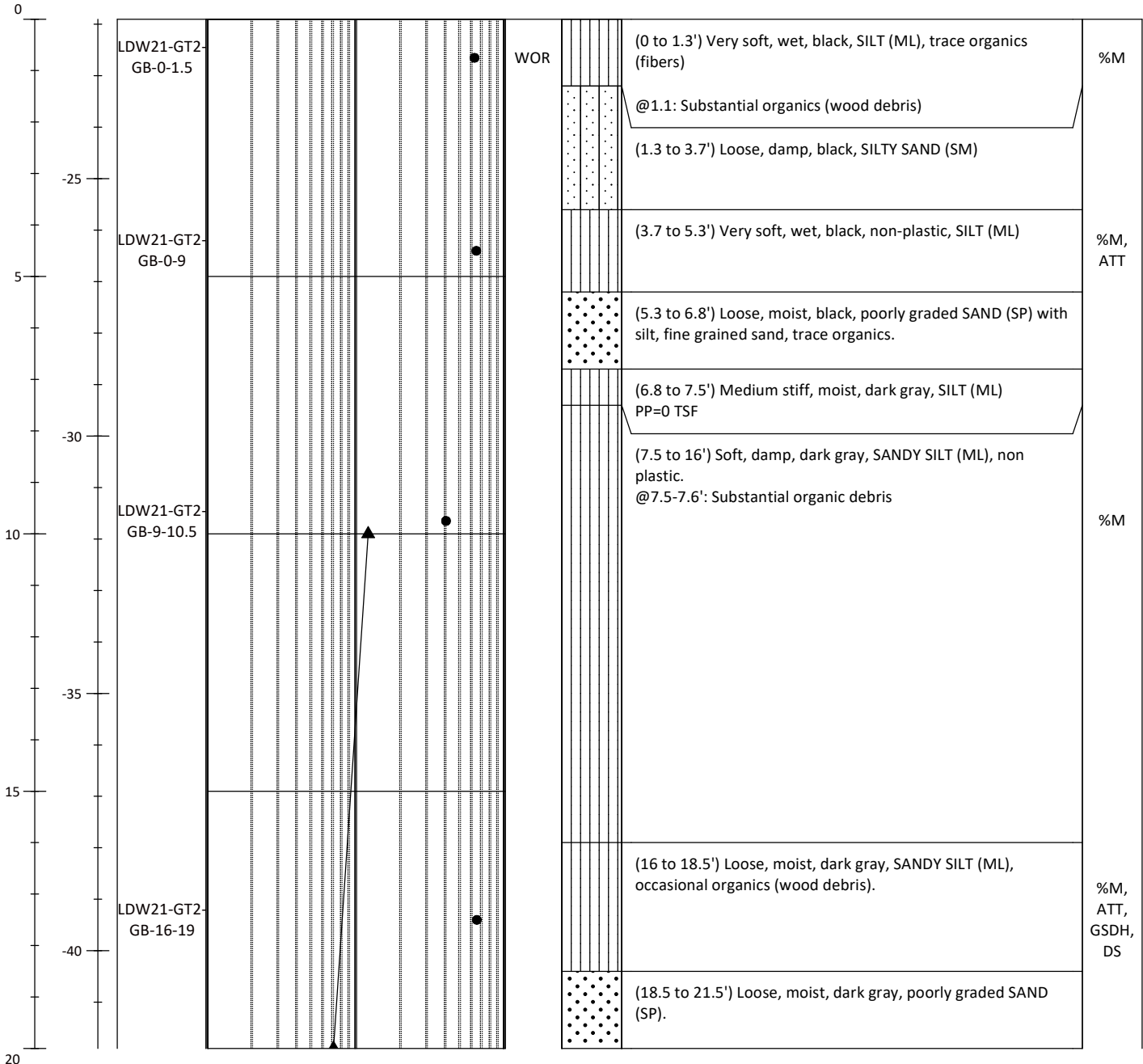
[DRAFT] Soil Boring Log

LDW21-GT2-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 197328.101 E/LONG: 1273794.399	Total Depth (ft): 21.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 23.2
Collection Date: 07.09.21		Mudline Elevation (ft): -21.9
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

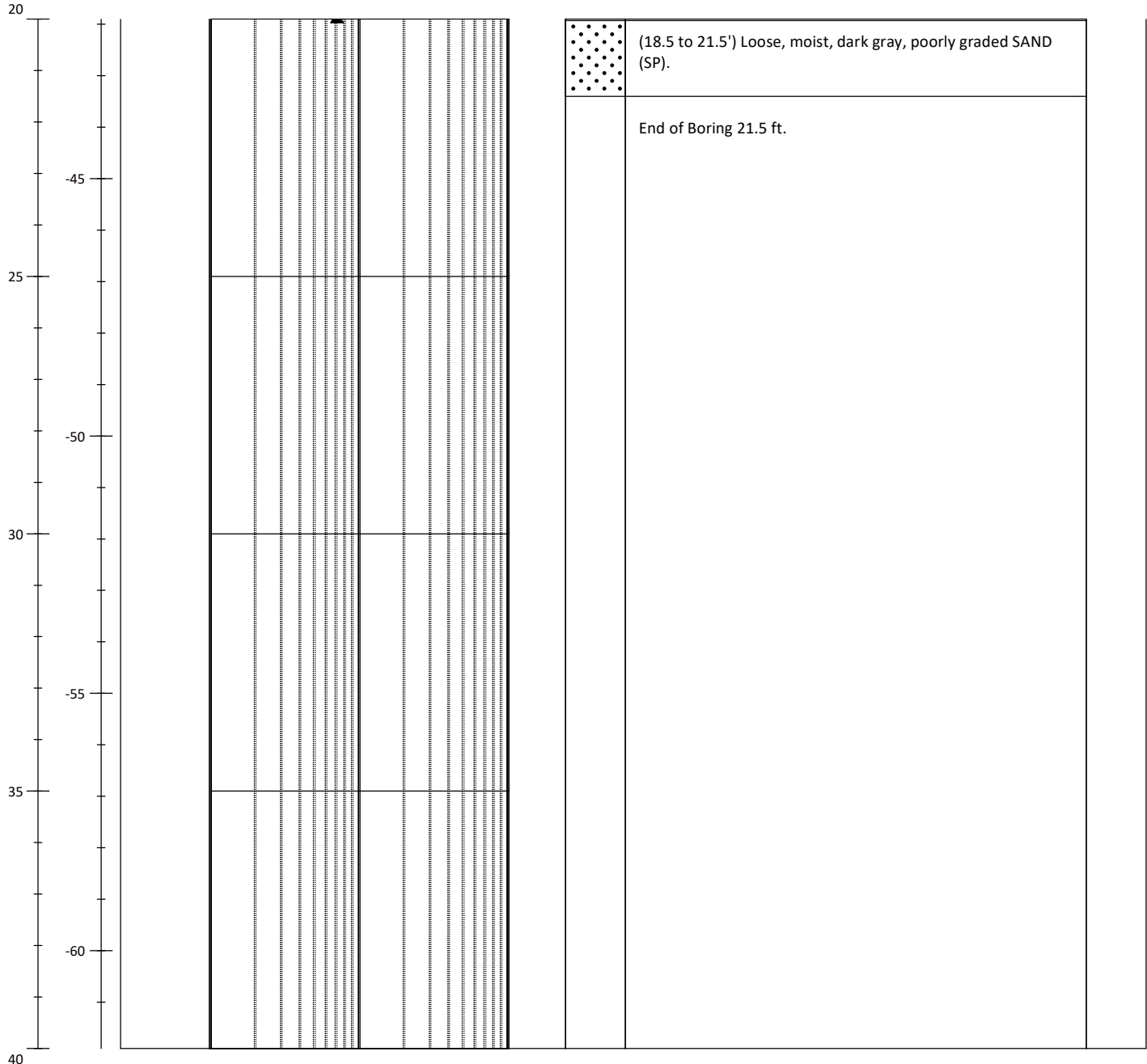
[DRAFT] Soil Boring Log

LDW21-GT2-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 197328.101 E/LONG: 1273794.399	Total Depth (ft): 21.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 23.2
Collection Date: 07.09.21		Mudline Elevation (ft): -21.9
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp.
 Mudline elevations determined from leadline measurements and Site tide gage levels

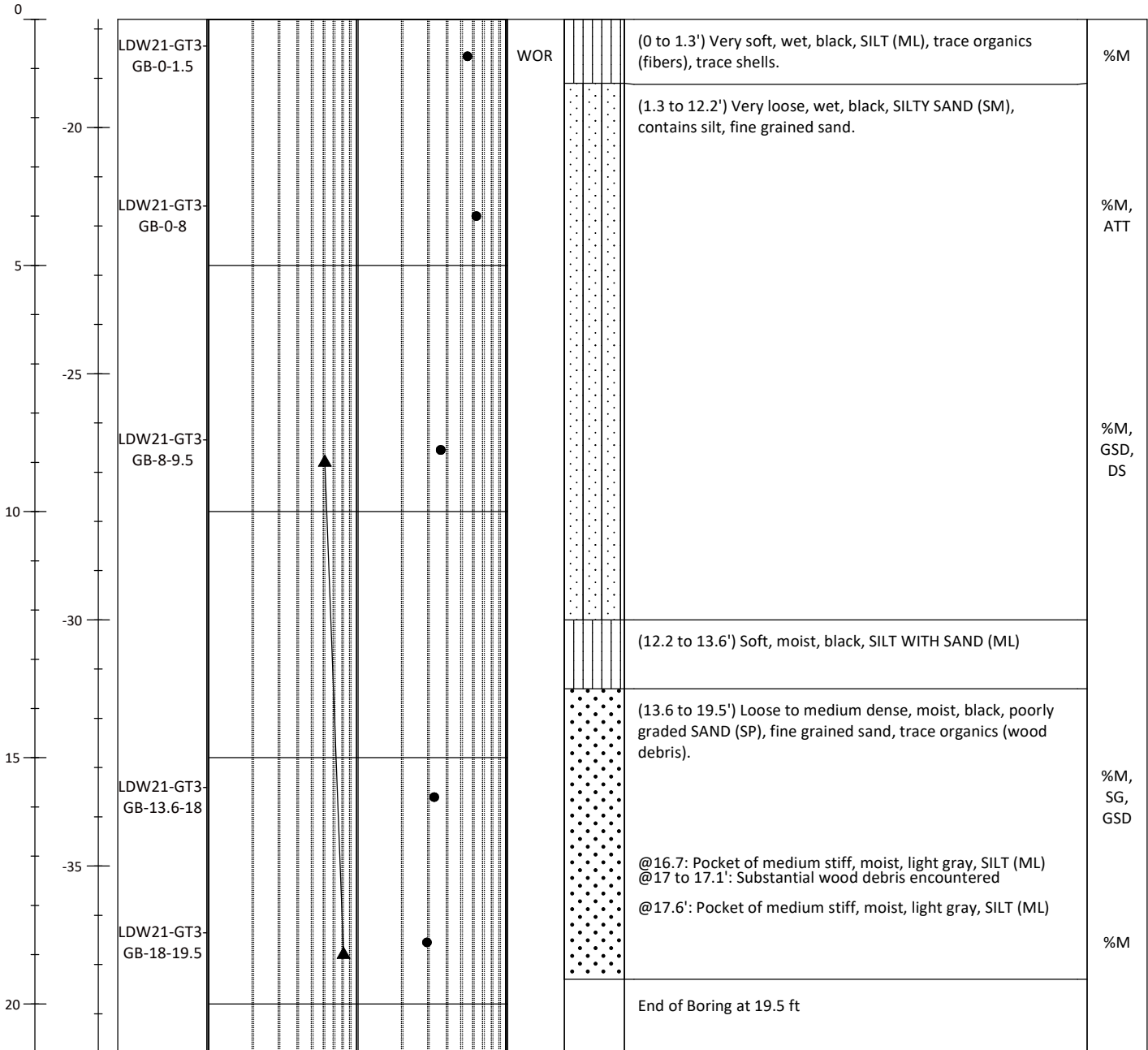
[DRAFT] Soil Boring Log

LDW21-GT3-GB

Sheet 1 of 1

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 196838.0251 E/LONG: 1274303.5483	Total Depth (ft): 19.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 18
Collection Date: 07.14.21		Mudline Elevation (ft): -17.8
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

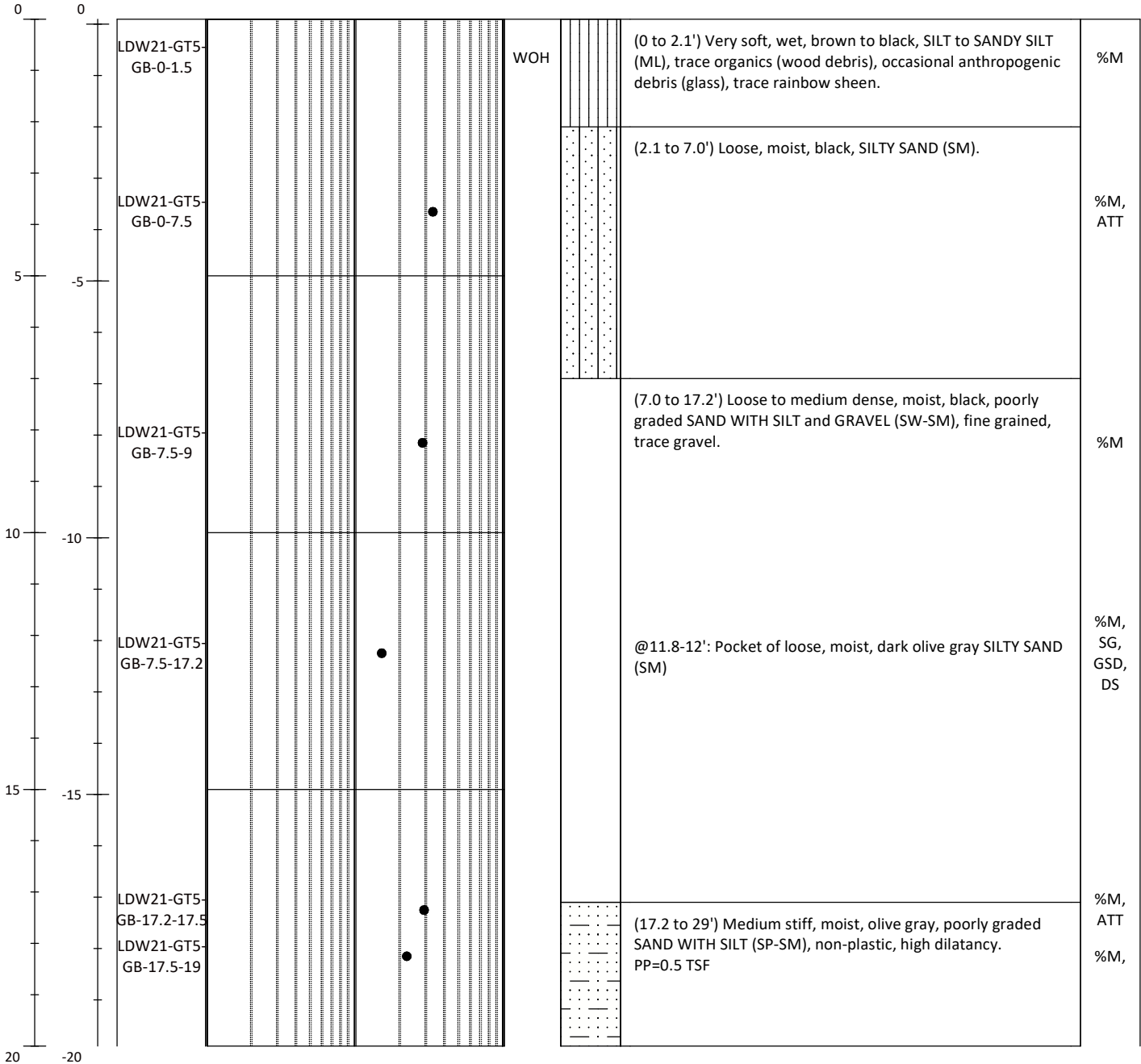
[DRAFT] Soil Boring Log

LDW21-GT5-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 196515.647 E/LONG: 1274408.737	Total Depth (ft): 29
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 8.5
Collection Date: 07.19.21		Mudline Elevation (ft): 0.1
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

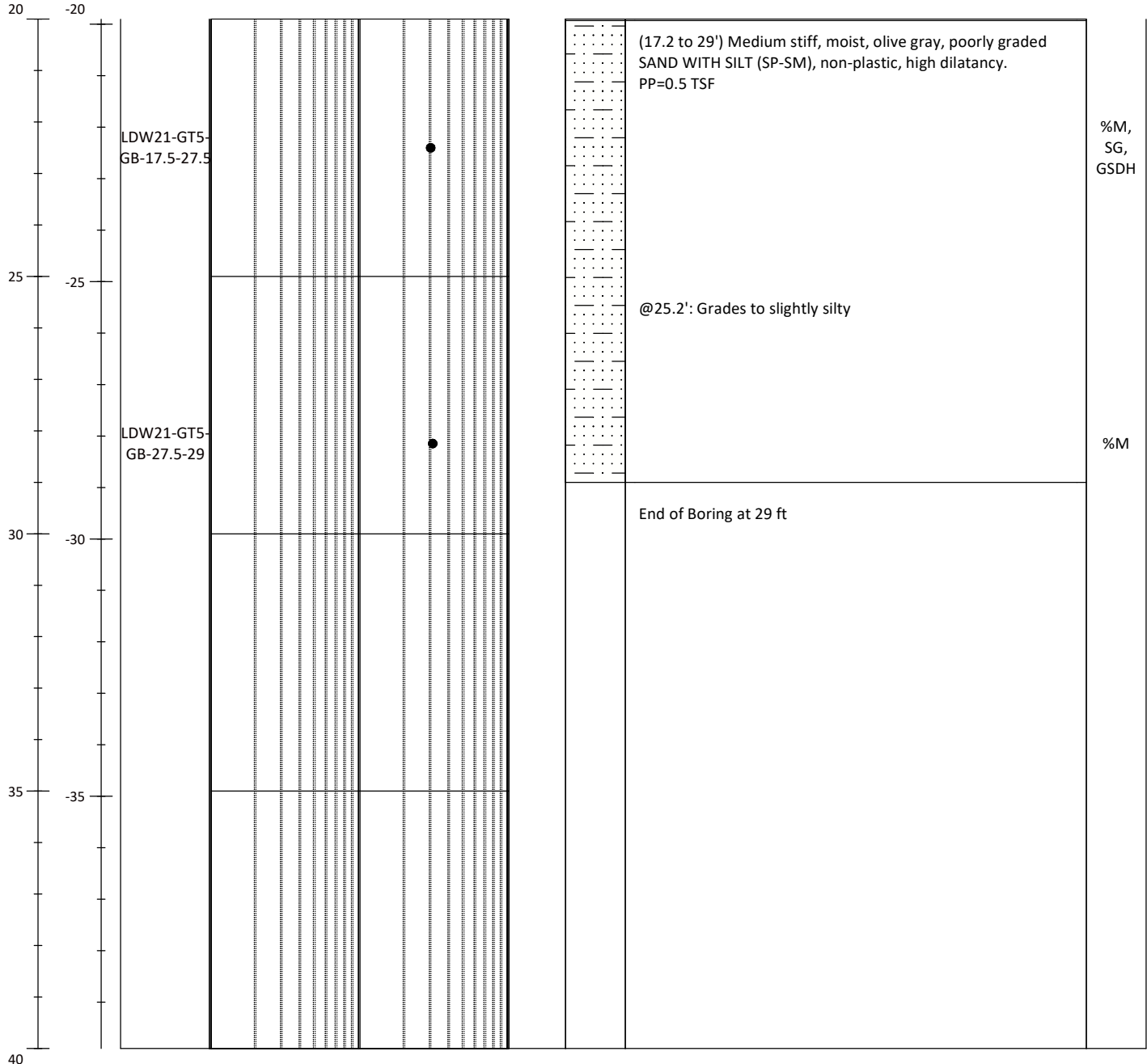
[DRAFT] Soil Boring Log

LDW21-GT5-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 196515.647 E/LONG: 1274408.737	Total Depth (ft): 29
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 8.5
Collection Date: 07.19.21		Mudline Elevation (ft): 0.1
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

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 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

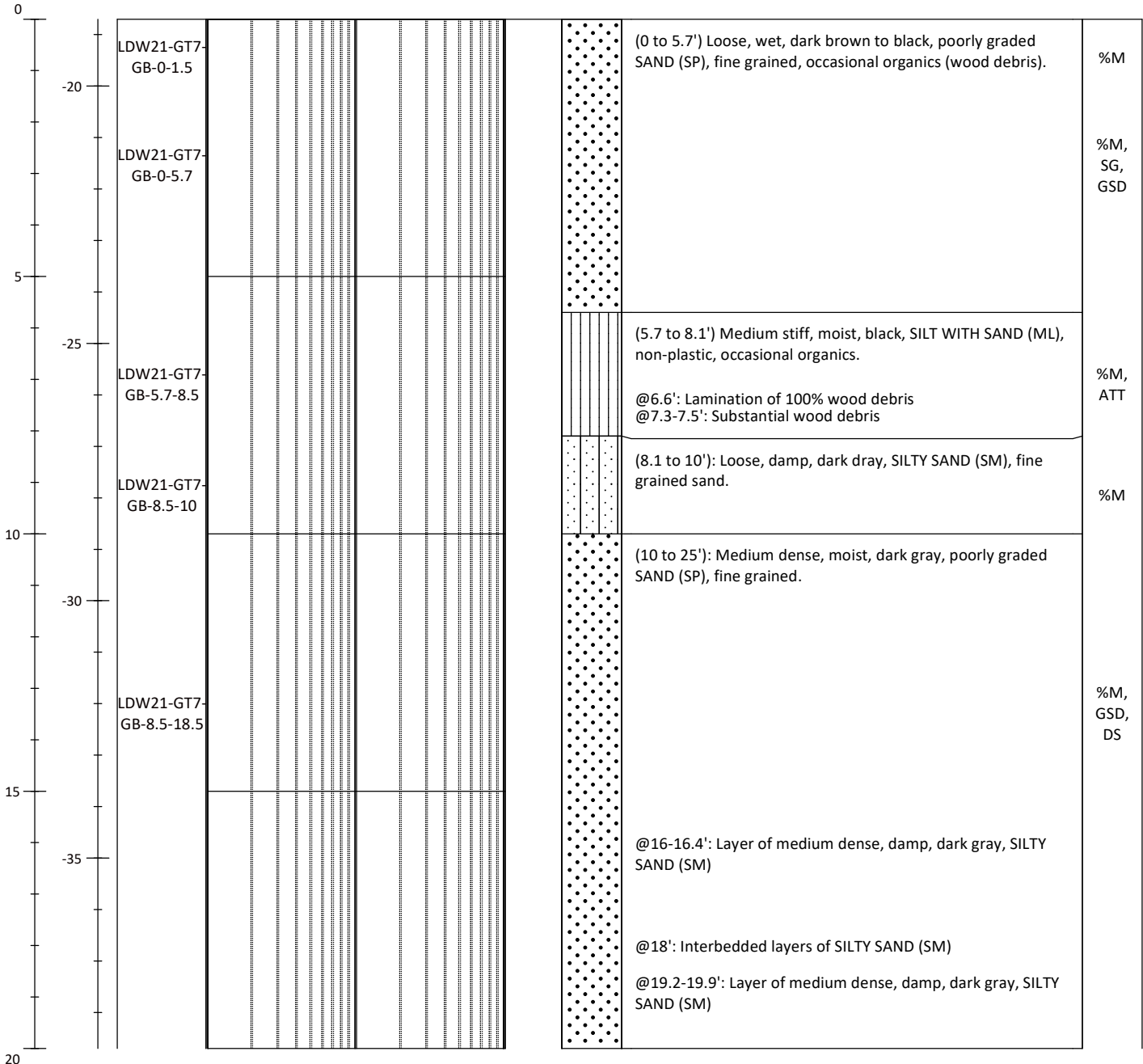
[DRAFT] Soil Boring Log

LDW21-GT7-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 196544.595 E/LONG: 1274698.428	Total Depth (ft): 25
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 17.5
Collection Date: 07.09.21		Mudline Elevation (ft): -18.7
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp
 Mudline elevations determined from leadline measurements and Site tide gage levels

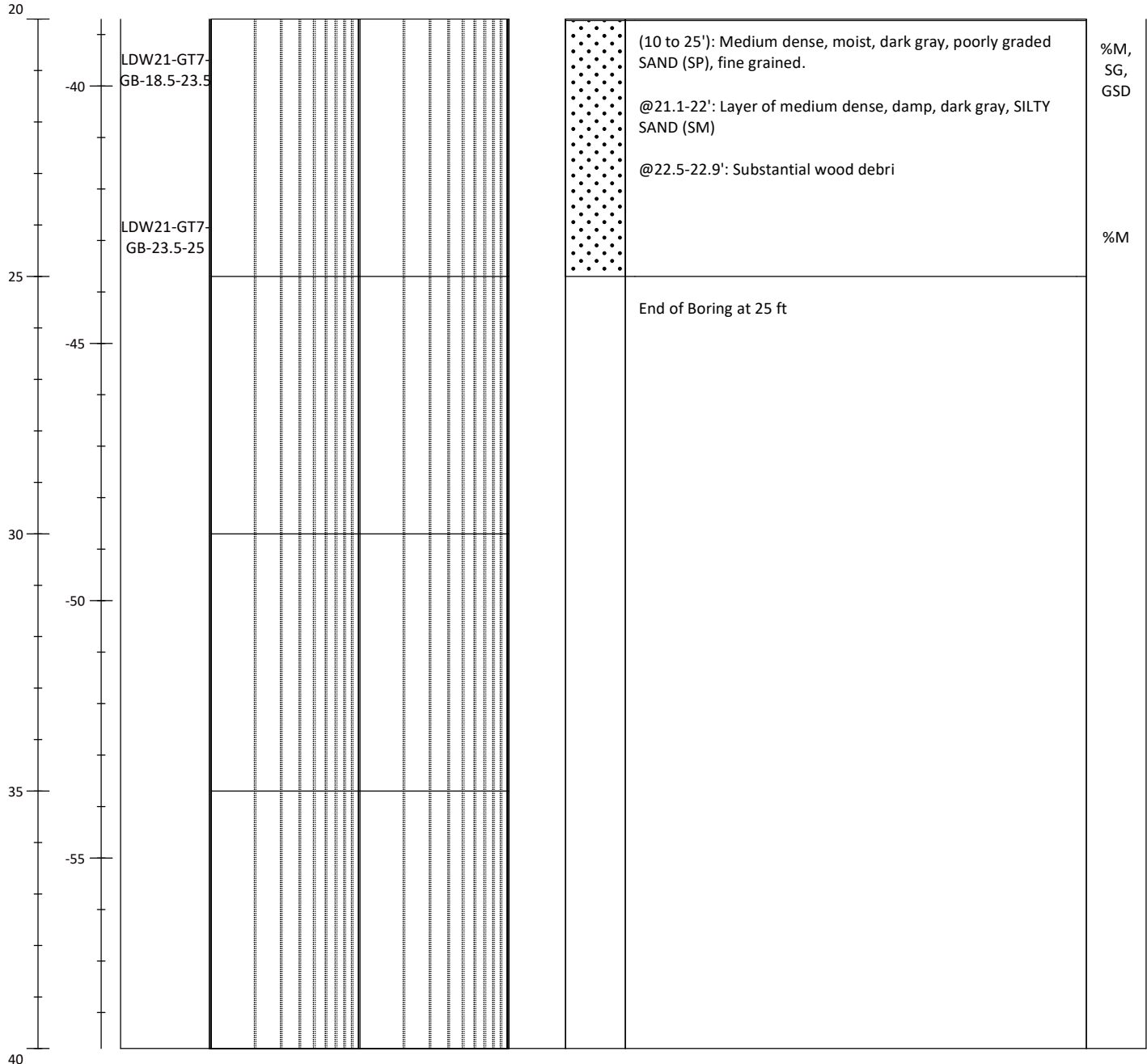
[DRAFT] Soil Boring Log

LDW21-GT7-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 196544.595 E/LONG: 1274698.428	Total Depth (ft): 25
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 17.5
Collection Date: 07.09.21		Mudline Elevation (ft): -18.7
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

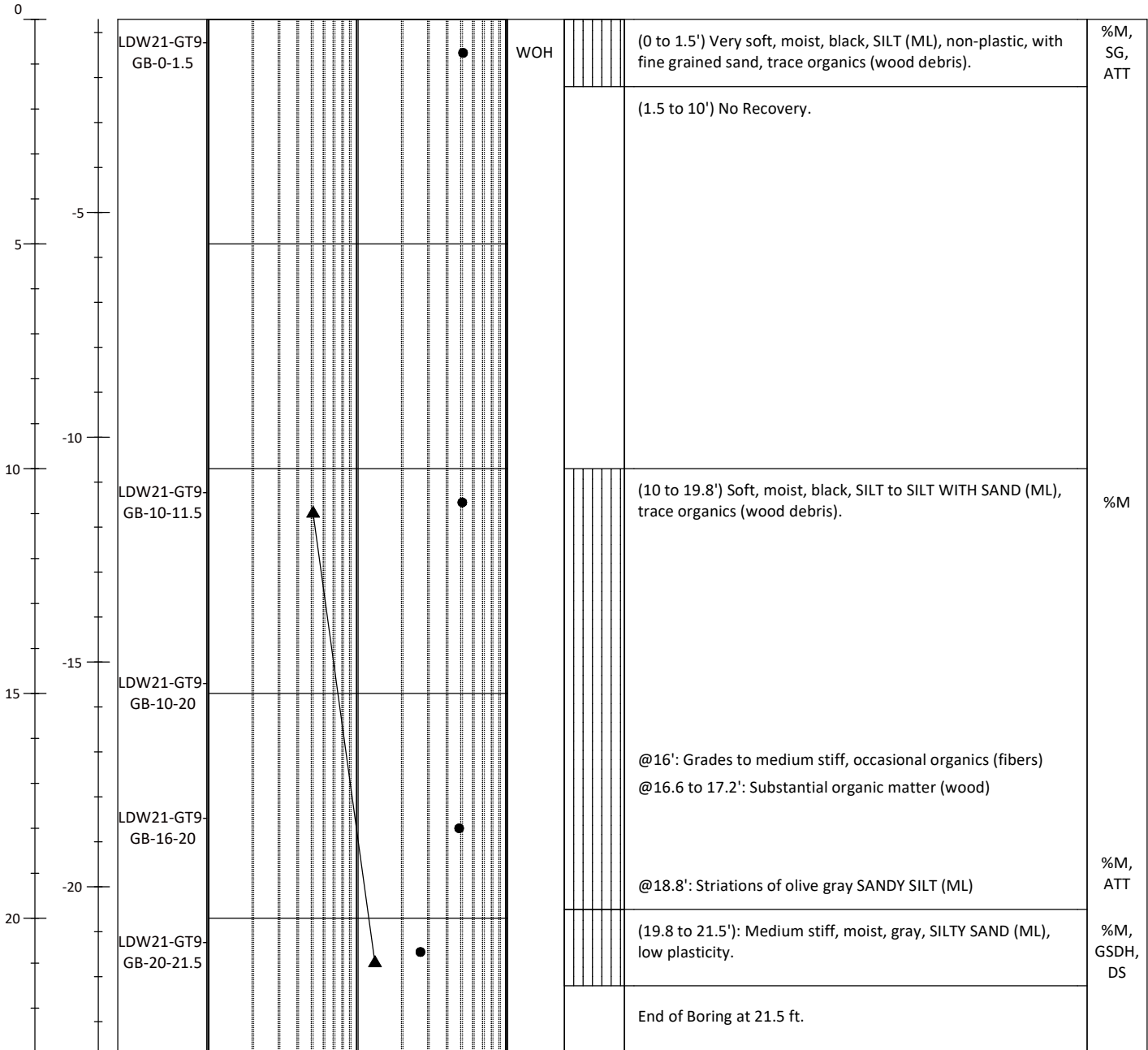
[DRAFT] Soil Boring Log

LDW21-GT9-GB

Sheet 1 of 1

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 195927.181 E/LONG: 1275283.558	Total Depth (ft): 21.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 11.2
Collection Date: 07.08.21		Mudline Elevation (ft): -0.7
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

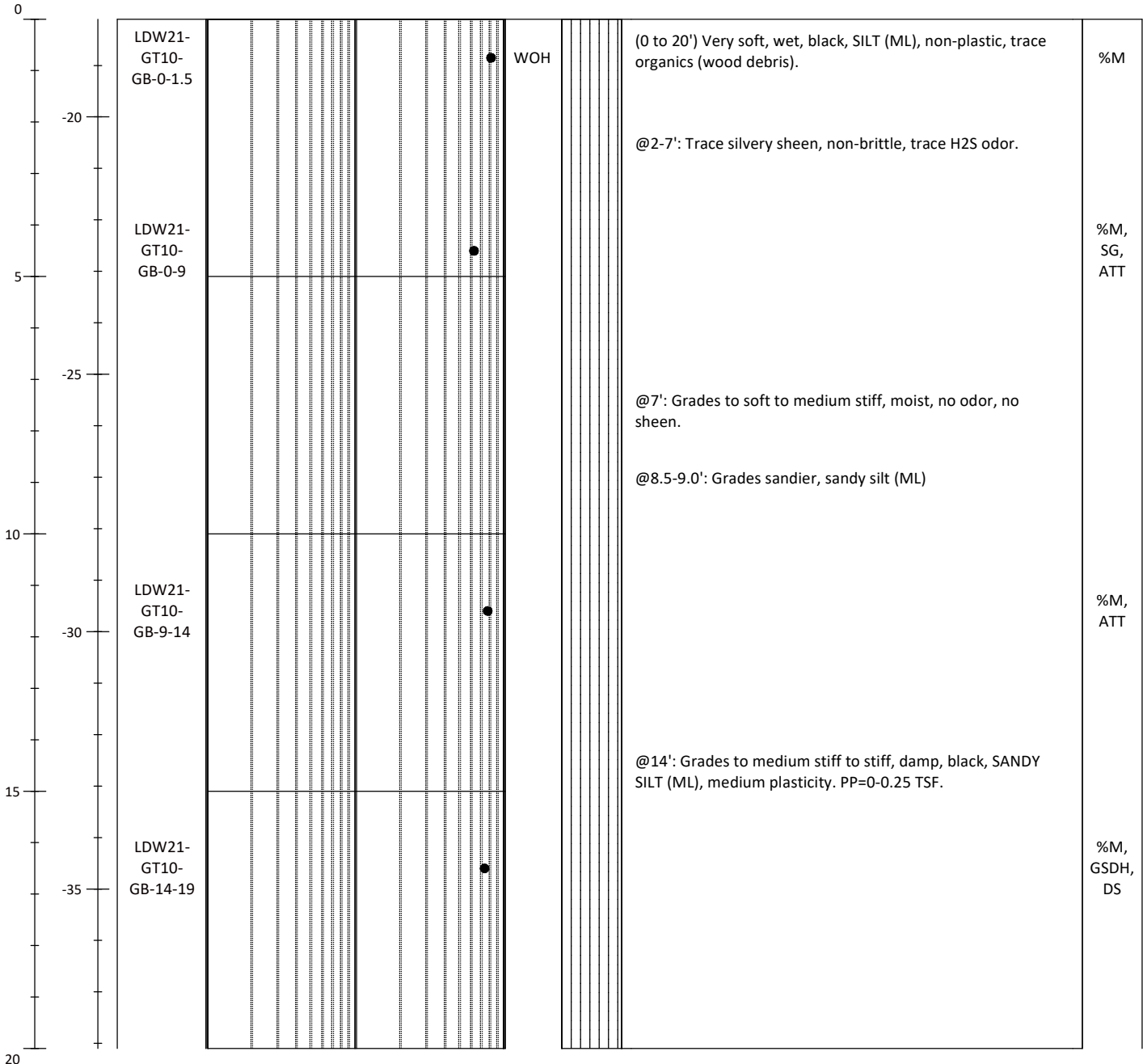
[DRAFT] Soil Boring Log

LDW21-GT10-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 195631.266 E/LONG: 1275691.841	Total Depth (ft): 25.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 18.2
Collection Date: 07.07.21		Mudline Elevation (ft): -18.1
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

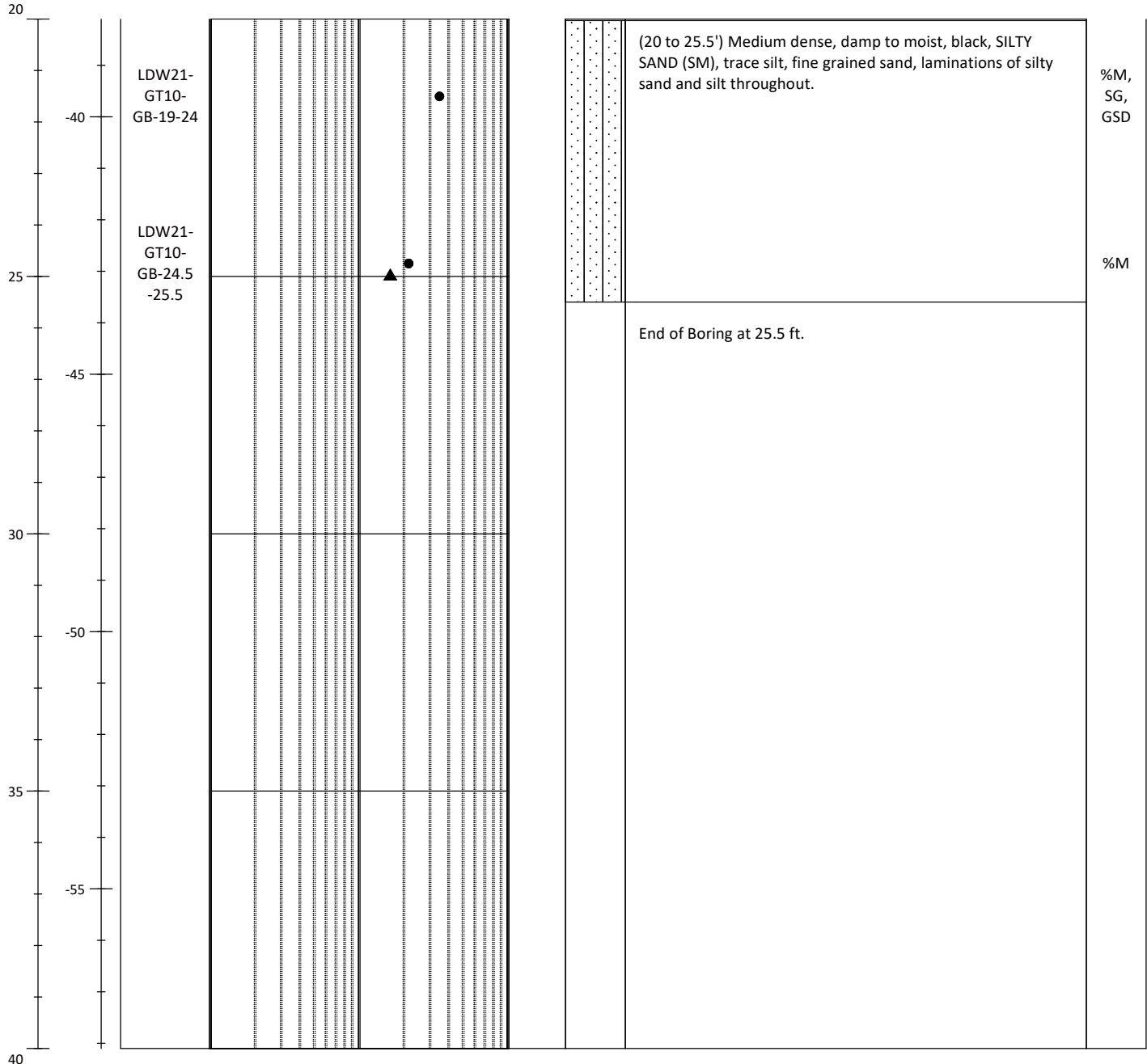
[DRAFT] Soil Boring Log

LDW21-GT10-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 195631.266 E/LONG: 1275691.841	Total Depth (ft): 25.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 18.2
Collection Date: 07.07.21		Mudline Elevation (ft): -18.1
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

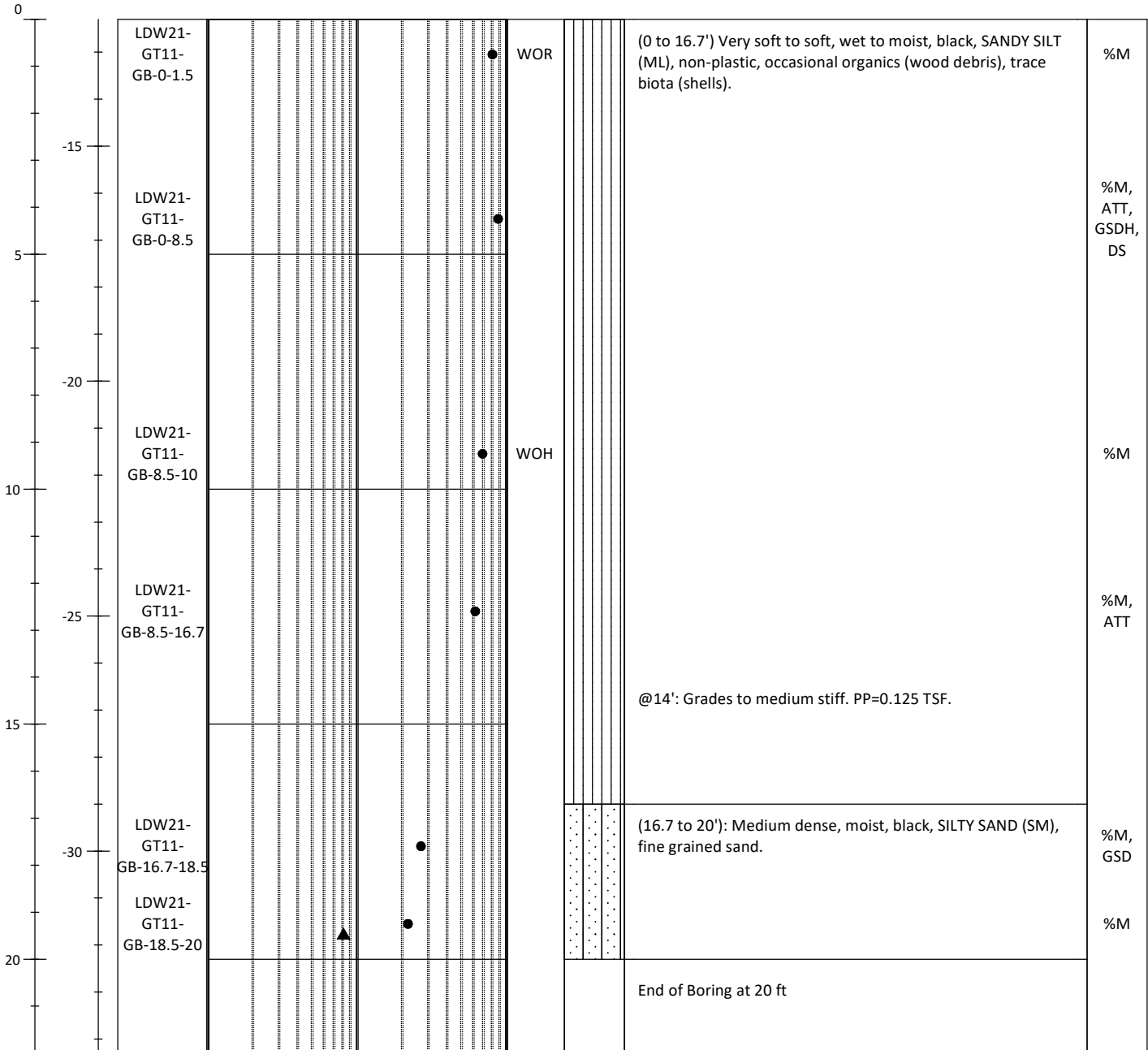
[DRAFT] Soil Boring Log

LDW21-GT11-GB

Sheet 1 of 1

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 195423.544 E/LONG: 1275688.731	Total Depth (ft): 20
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 18.7
Collection Date: 07.08.21		Mudline Elevation (ft): -12.3
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

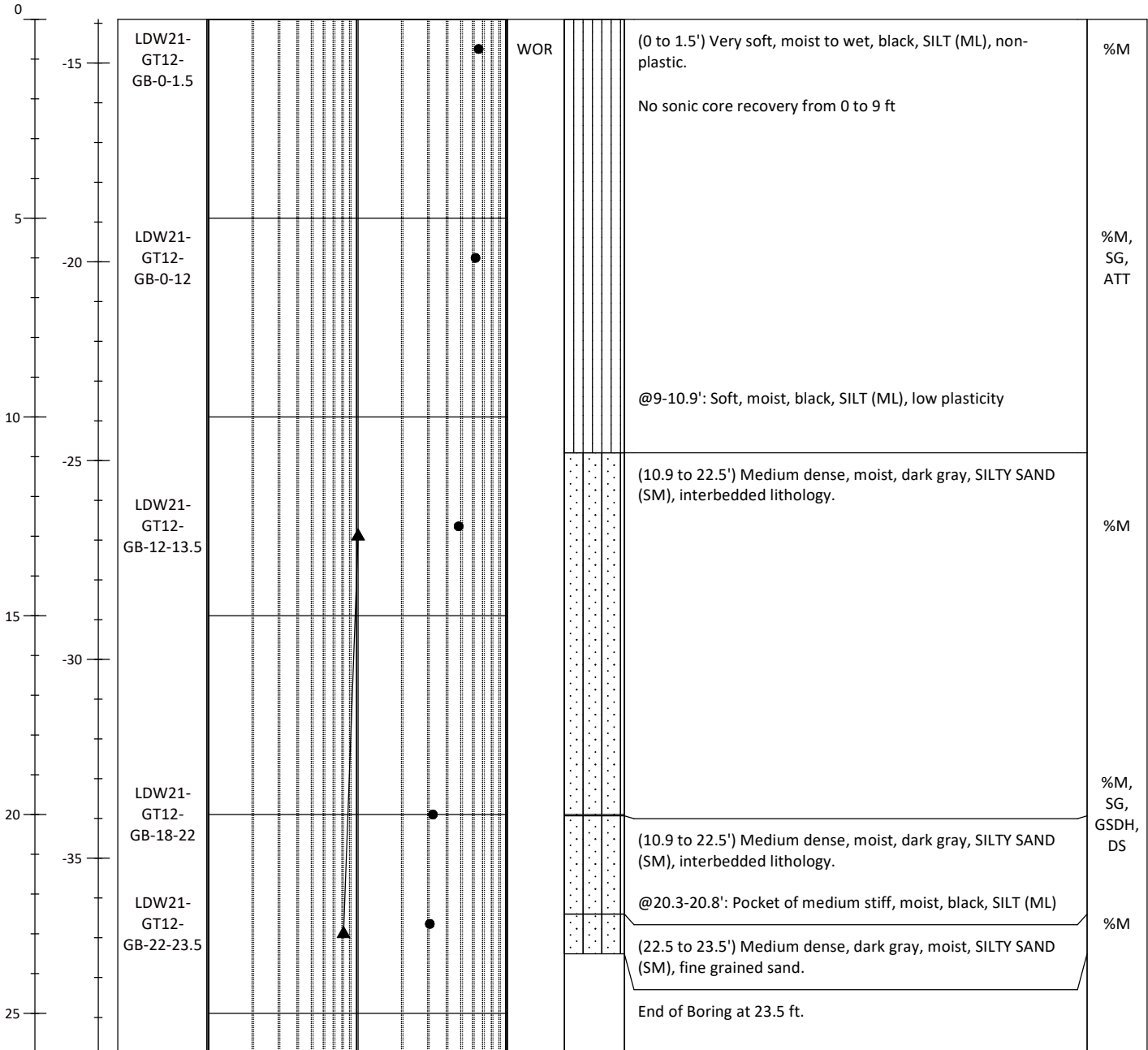
[DRAFT] Soil Boring Log

LDW21-GT12-GB

Sheet 1 of 1

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 195269.116 E/LONG: 1275845.395	Total Depth (ft): 23.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 15.2
Collection Date: 07.08.21		Mudline Elevation (ft): -13.9
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



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- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp.
 Mudline elevations determined from leadline measurements and Site tide gage levels

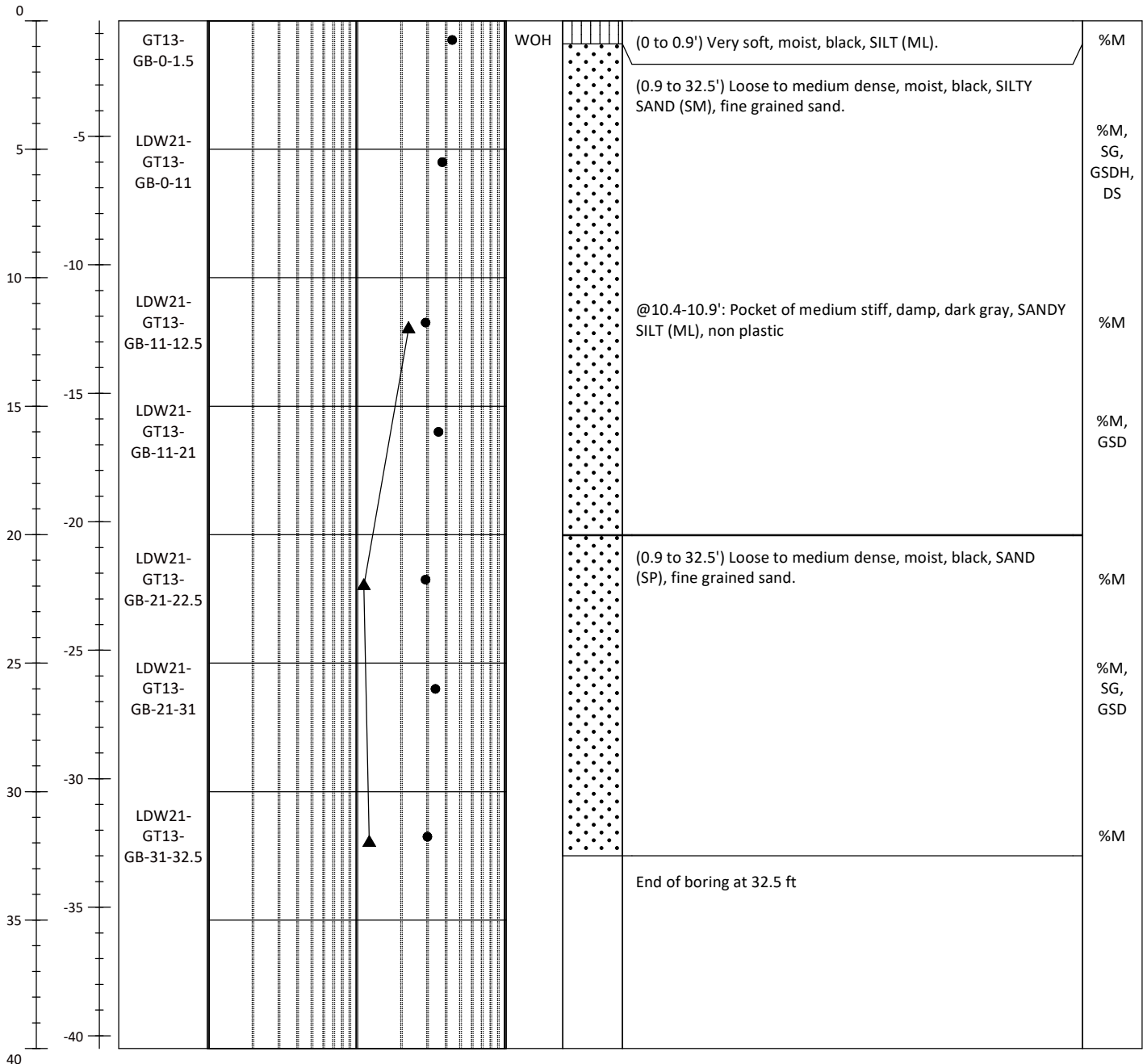
[DRAFT] Soil Boring Log

LDW21-GT13-GB

Sheet 1 of 1

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 195063.55 E/LONG: 1276022.385	Total Depth (ft): 32.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 5.0
Collection Date: 07.12.21		Mudline Elevation (ft): -0.5
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

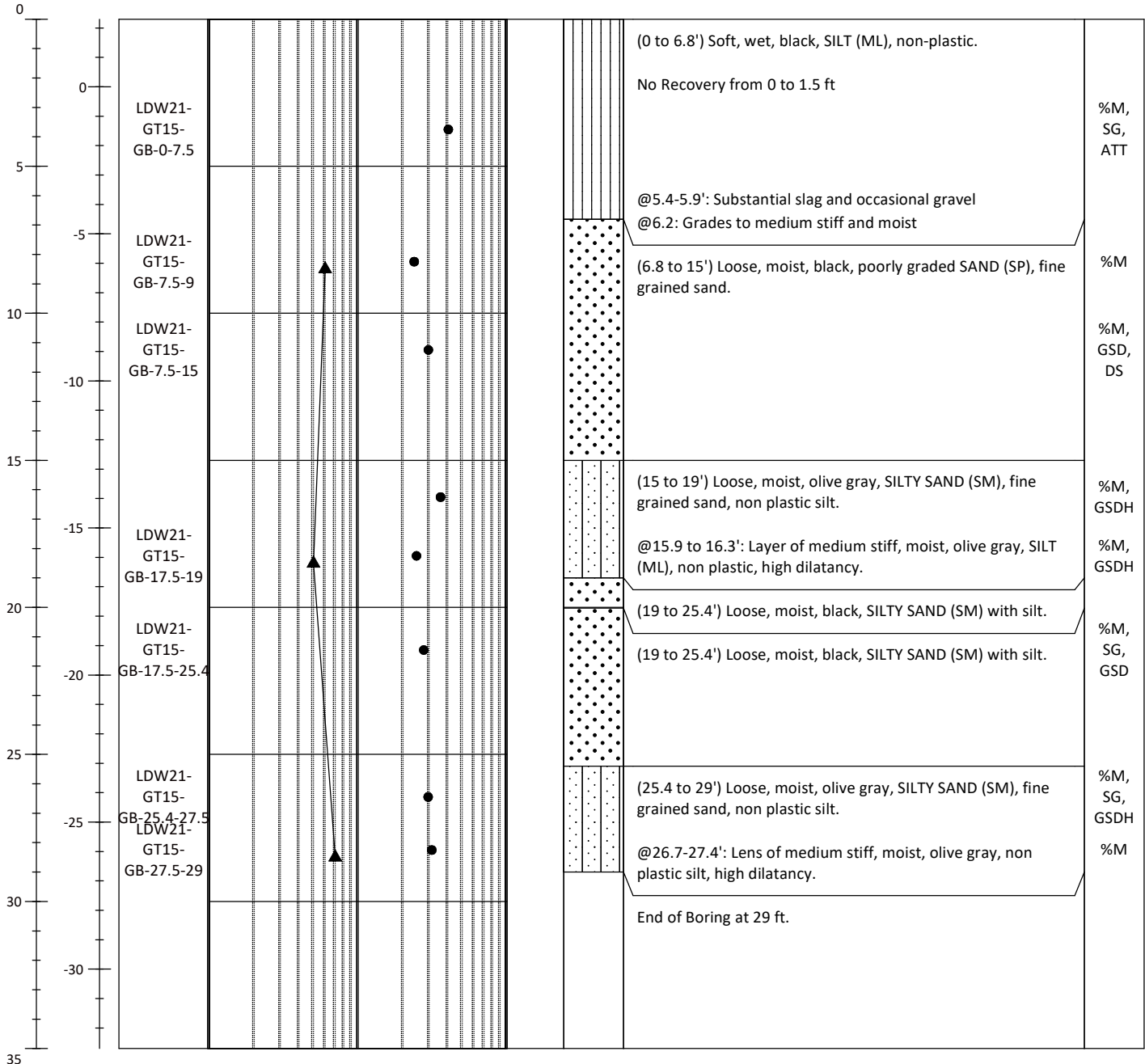
[DRAFT] Soil Boring Log

LDW21-GT15-GB

Sheet 1 of 1

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 194770.977 E/LONG: 1276096.292	Total Depth (ft): 29
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 7.5
Collection Date: 07.12.21		Mudline Elevation (ft): 2.3
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



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- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

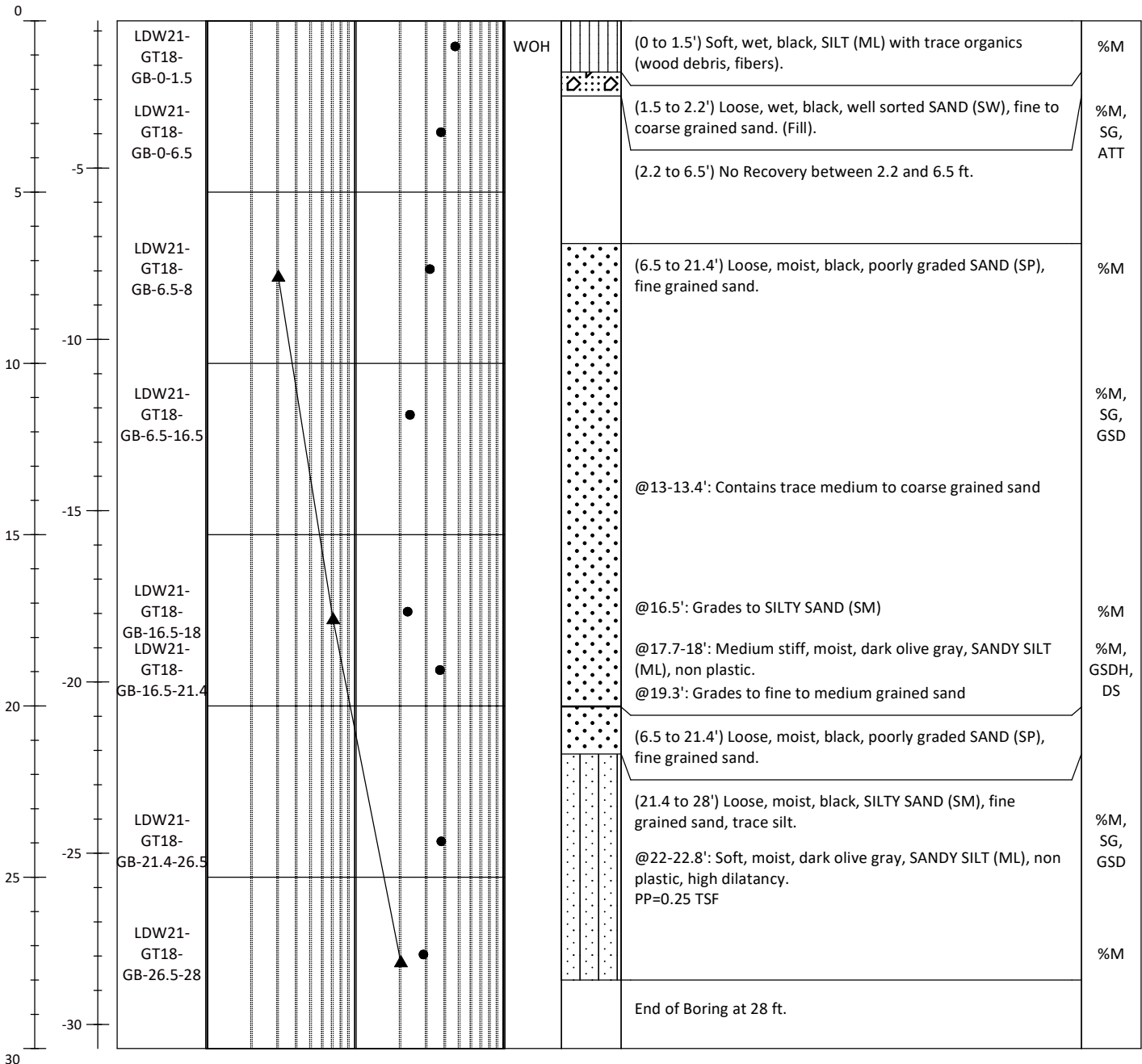
[DRAFT] Soil Boring Log

LDW21-GT18-GB

Sheet 1 of 1

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 194509.577 E/LONG: 1276175.936	Total Depth (ft): 28
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 9.5
Collection Date: 07.13.21		Mudline Elevation (ft): -0.7
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

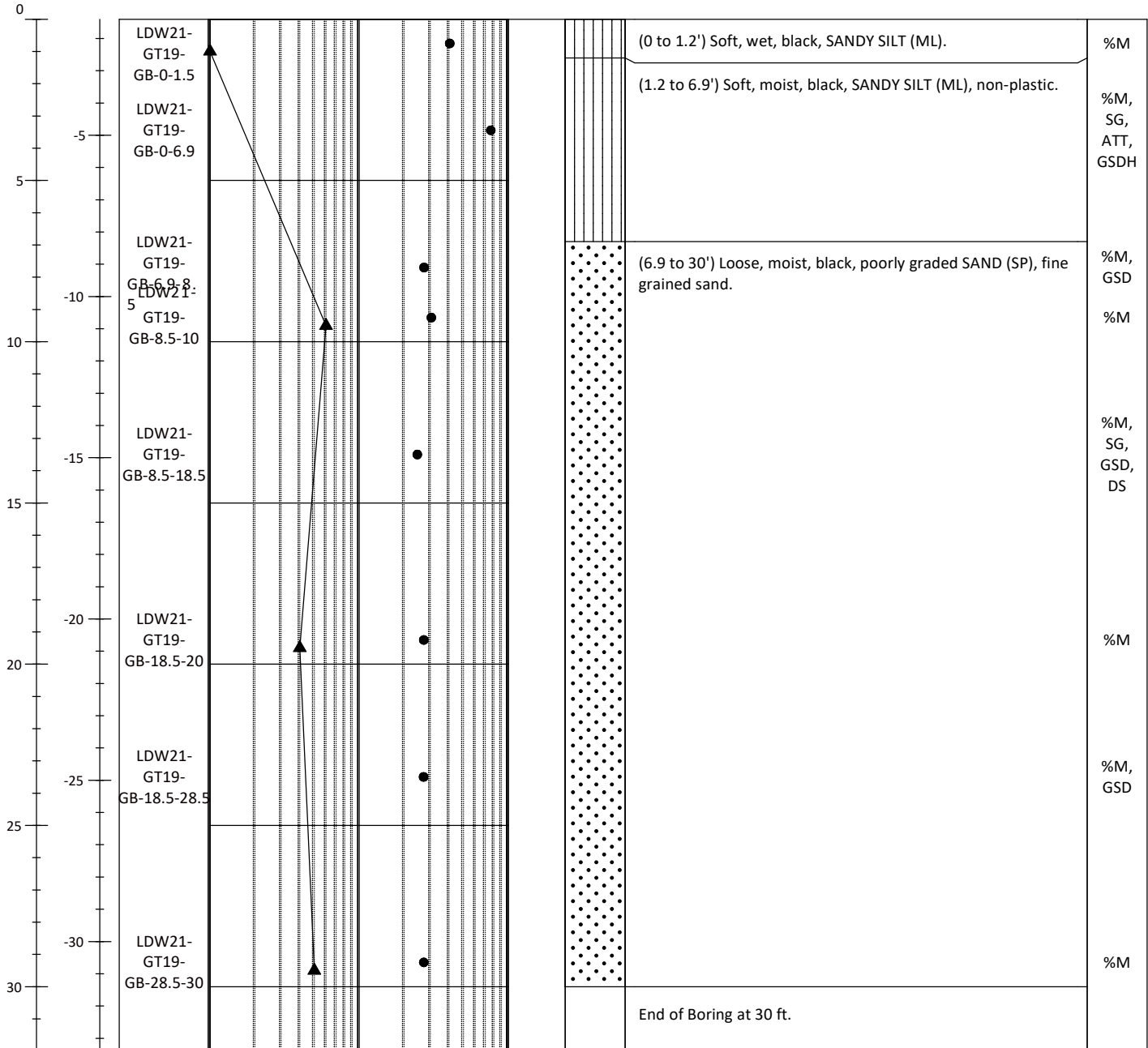
[DRAFT] Soil Boring Log

LDW21-GT19-GB

Sheet 1 of 1

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 194619.686 E/LONG: 1275815.459	Total Depth (ft): 30
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 7.5
Collection Date: 07.13.21		Mudline Elevation (ft): -1.4
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

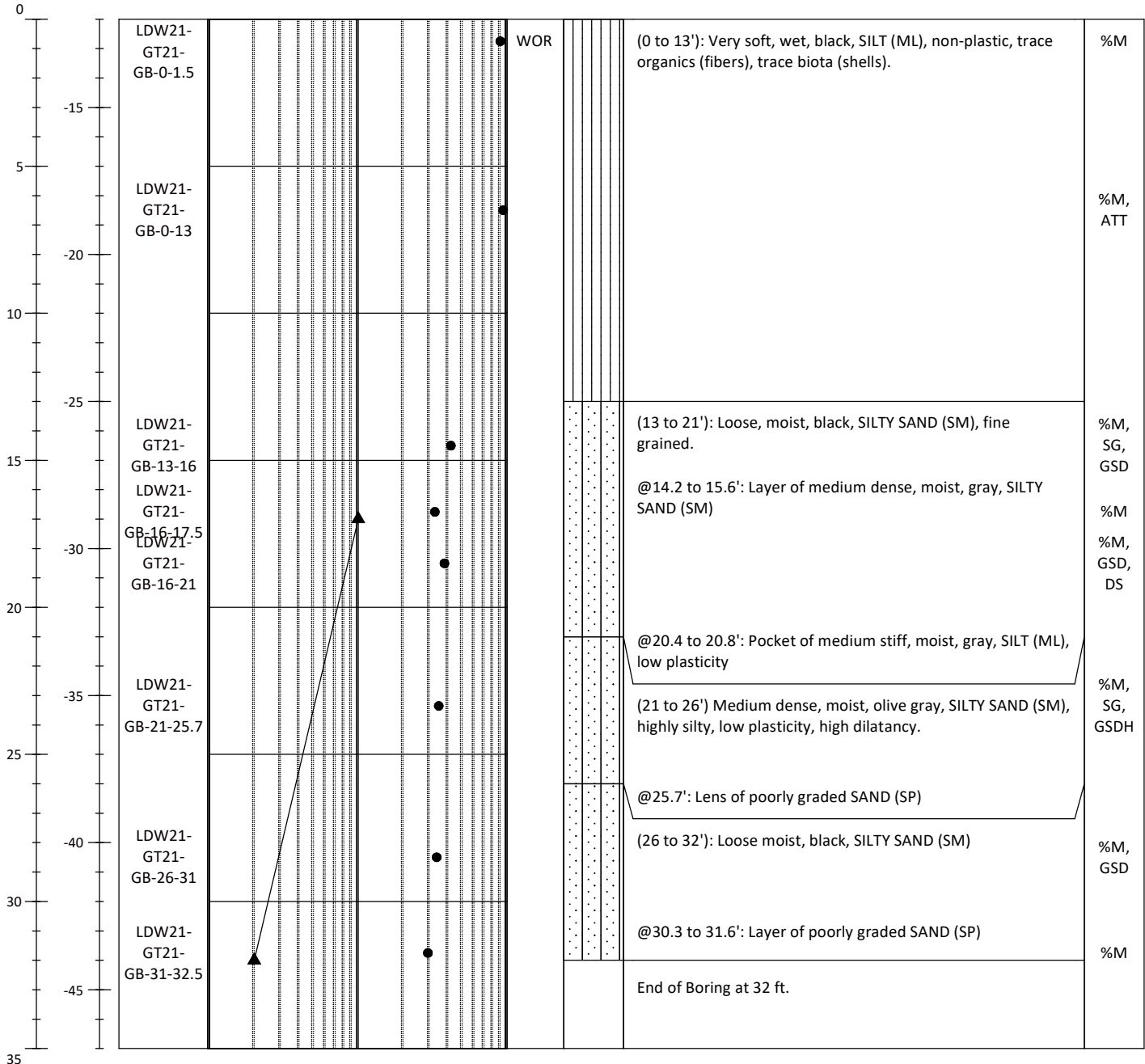
[DRAFT] Soil Boring Log

LDW21-GT21-GB

Sheet 1 of 1

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 194223.416 E/LONG: 1276127.19	Total Depth (ft): 32.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 11.2
Collection Date: 07.08.21		Mudline Elevation (ft): -12.0
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

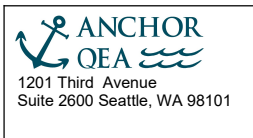
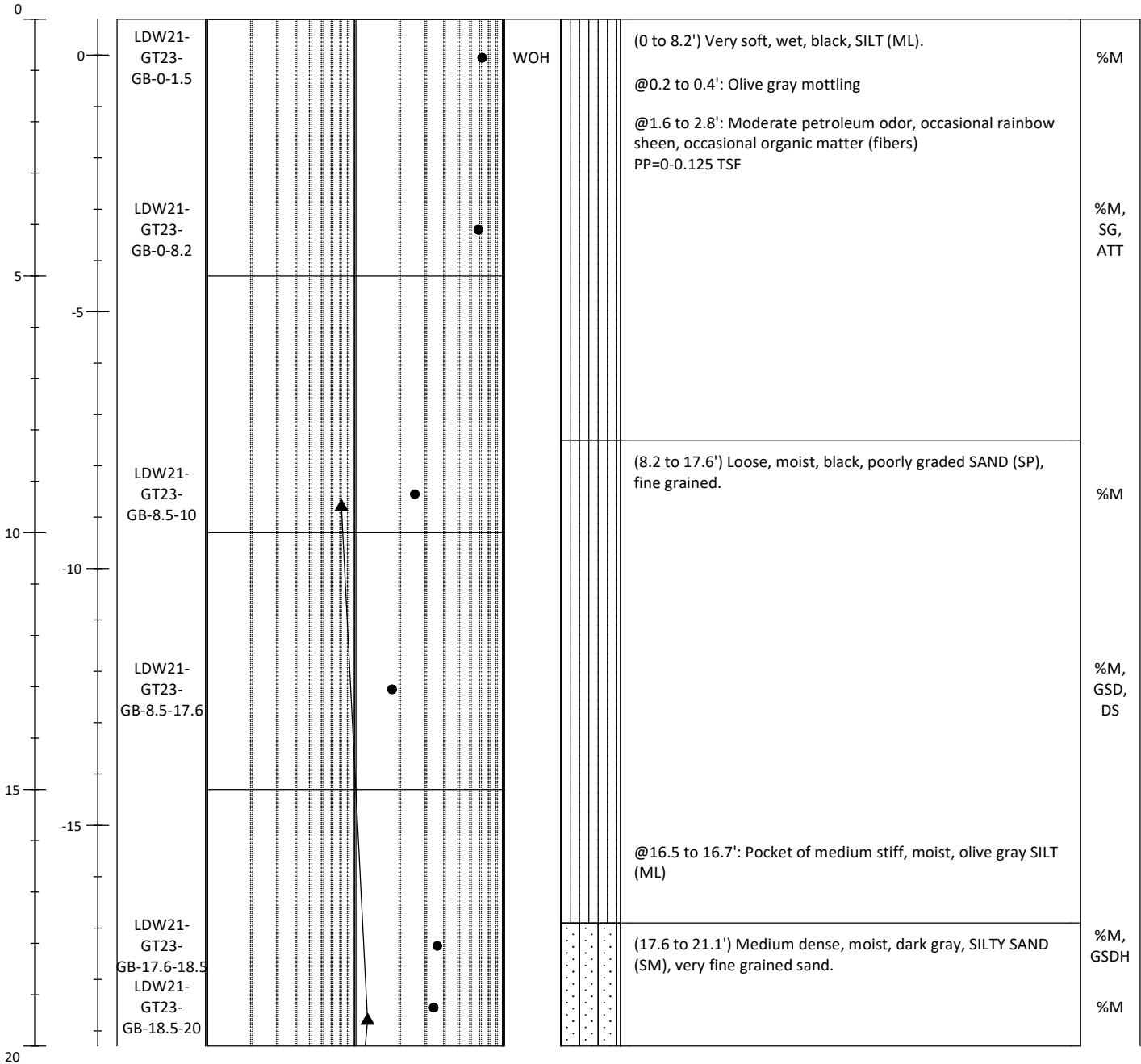
[DRAFT] Soil Boring Log

LDW21-GT23-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 194225.679 E/LONG: 1276262.681	Total Depth (ft): 32
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 7.5
Collection Date: 07.16.21		Mudline Elevation (ft): 0.7
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

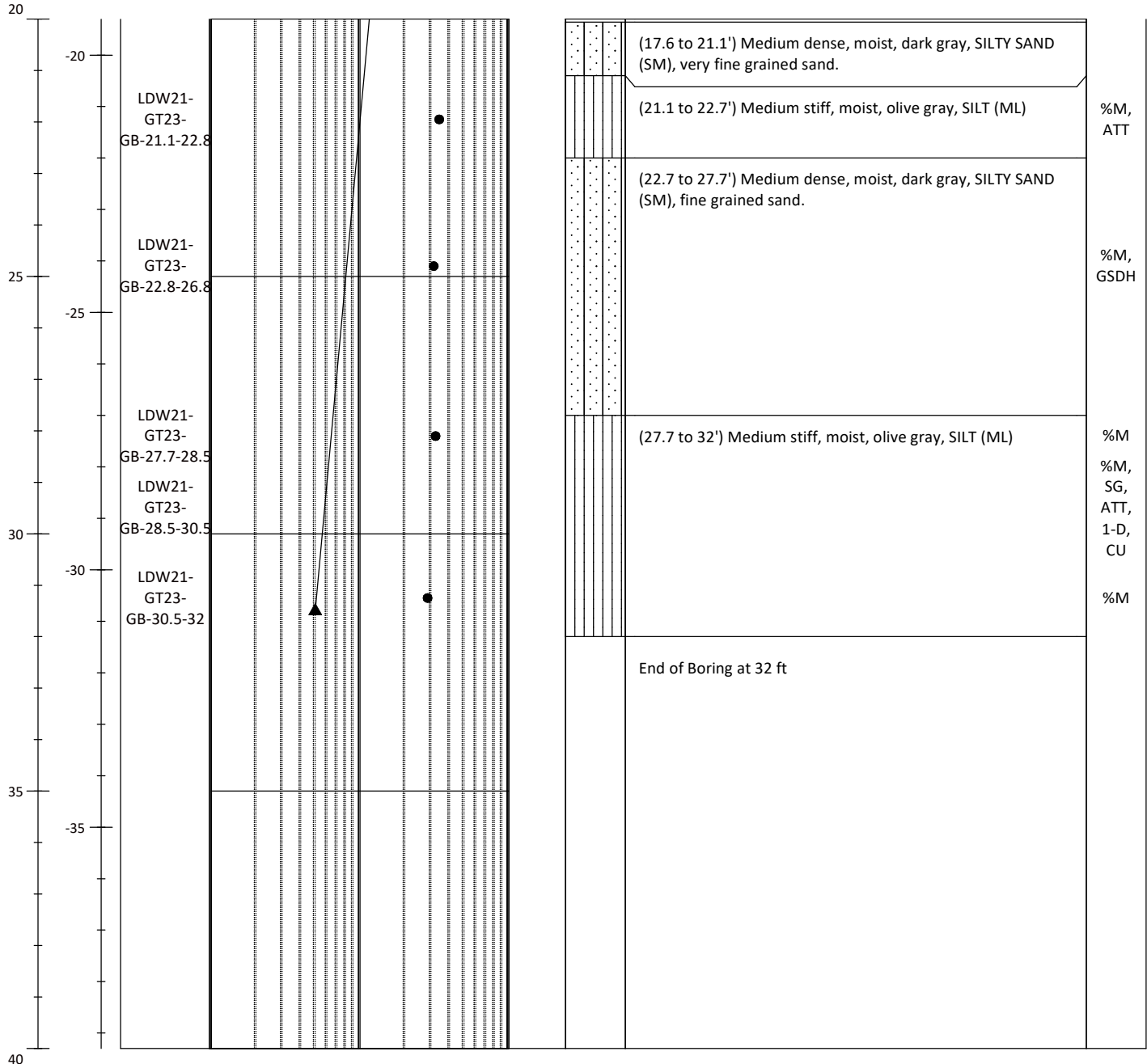
[DRAFT] Soil Boring Log

LDW21-GT23-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 194225.679 E/LONG: 1276262.681	Total Depth (ft): 32
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 7.5
Collection Date: 07.16.21		Mudline Elevation (ft): 0.7
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

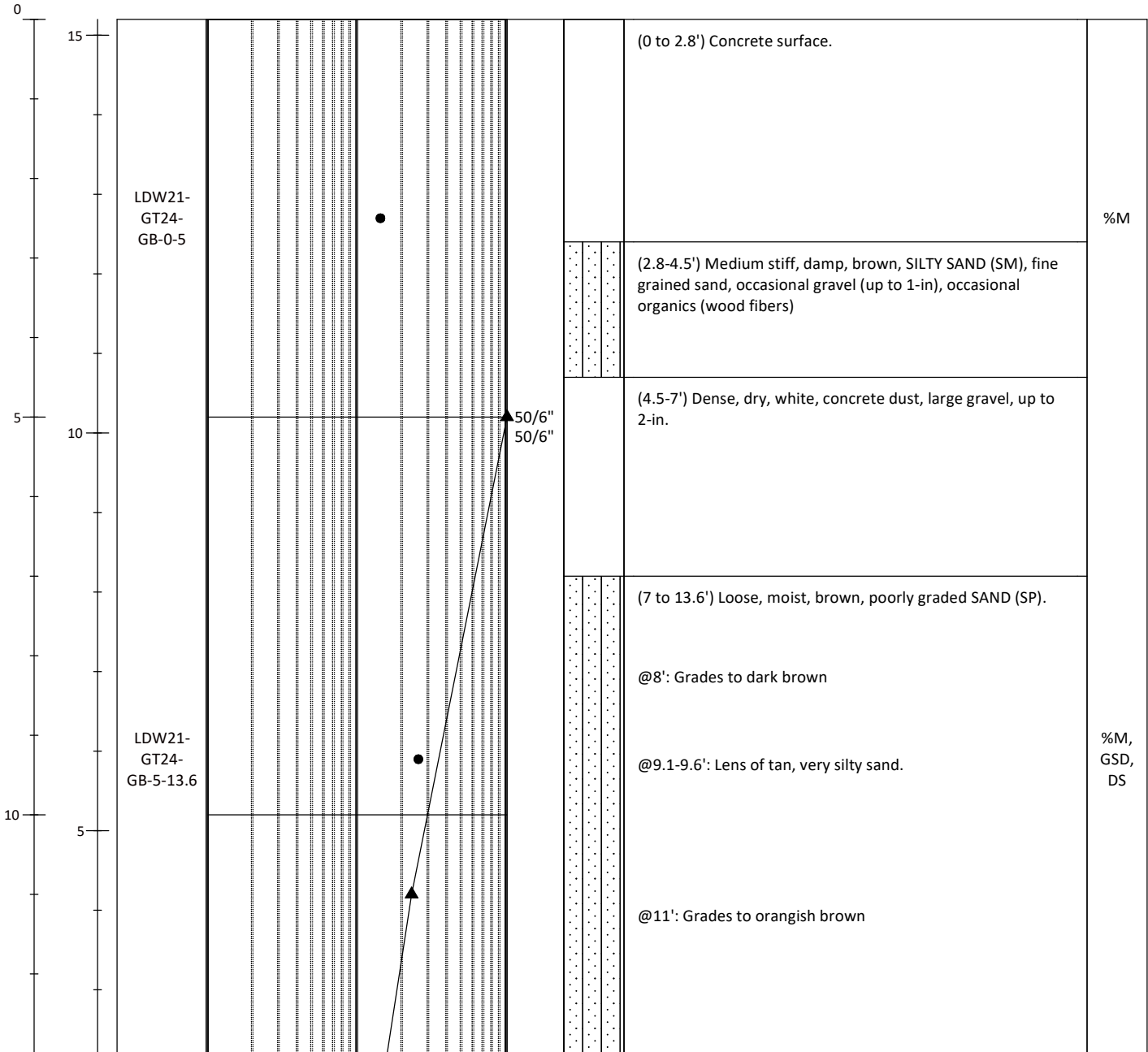
[DRAFT] Soil Boring Log

LDW21-GT24-GB

Sheet 1 of 5

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 193910.921 E/LONG: 1276412.765	Total Depth (ft): 61.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (NA):
Collection Date: 7.26.21		Surface Elevation (ft): 15.2
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Sam Giannakos	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp
 Elevation estimated using proposed location base map, no depth to mudline reported

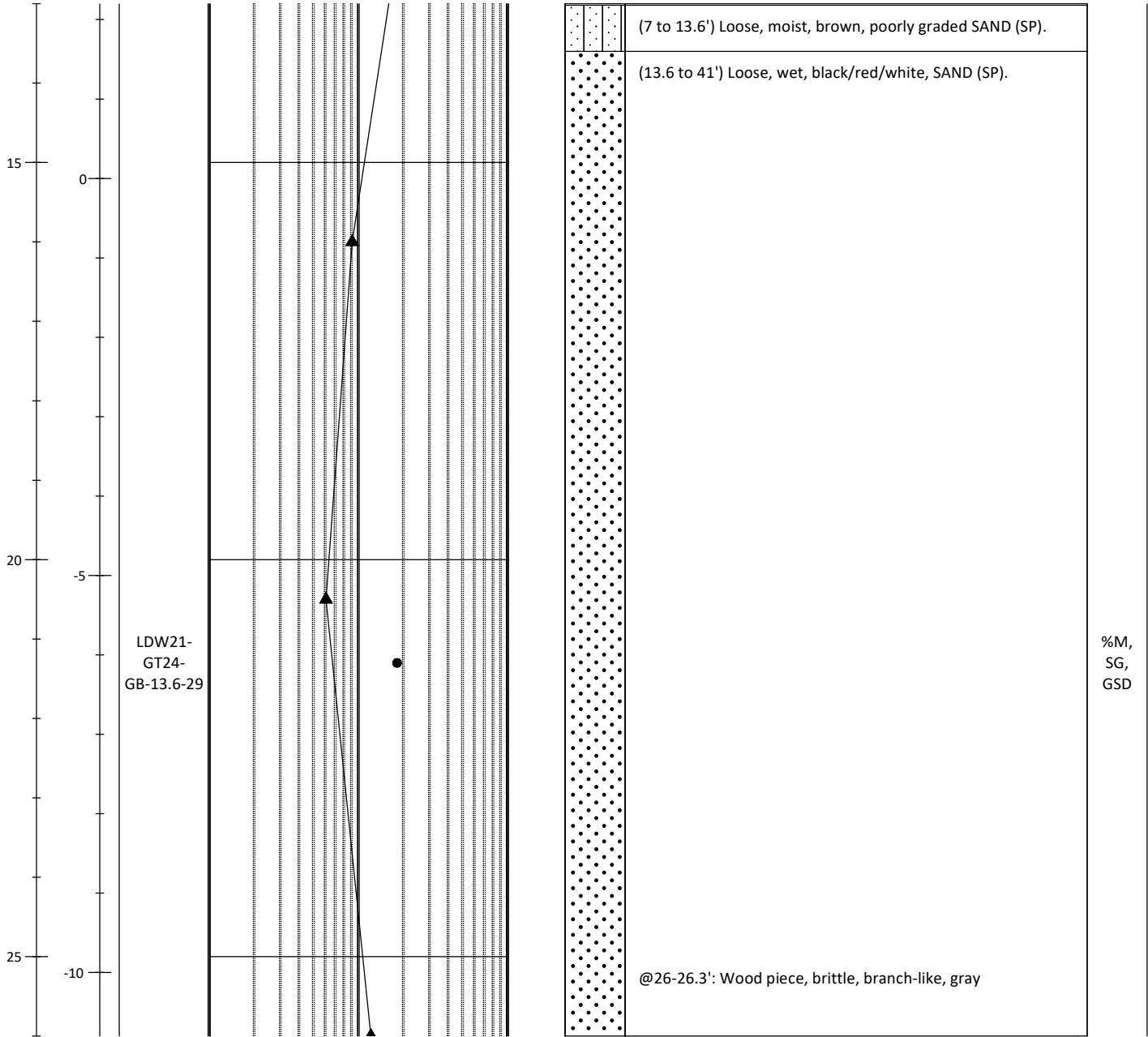
[DRAFT] Soil Boring Log

LDW21-GT24-GB

Sheet 2 of 5

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 193910.921 E/LONG: 1276412.765	Total Depth (ft): 61.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (NA):
Collection Date: 7.26.21		Surface Elevation (ft): 15.2
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Sam Giannakos	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	100				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp
 Elevation estimated using proposed location base map, no depth to mudline reported

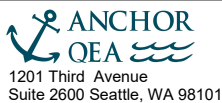
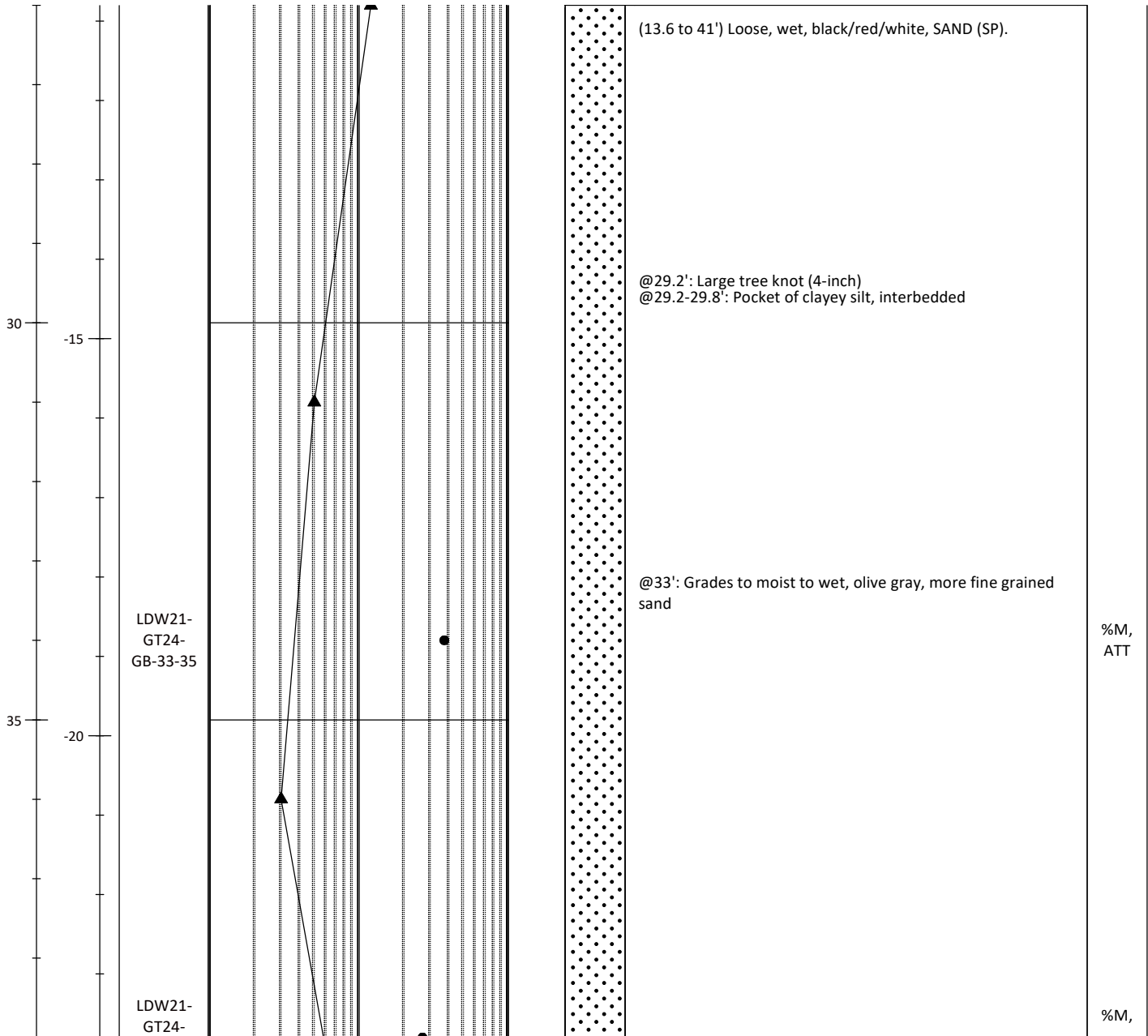
[DRAFT] Soil Boring Log

LDW21-GT24-GB

Sheet 3 of 5

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 193910.921 E/LONG: 1276412.765	Total Depth (ft): 61.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (NA):
Collection Date: 7.26.21		Surface Elevation (ft): 15.2
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Sam Giannakos	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp
 Elevation estimated using proposed location base map, no depth to mudline reported

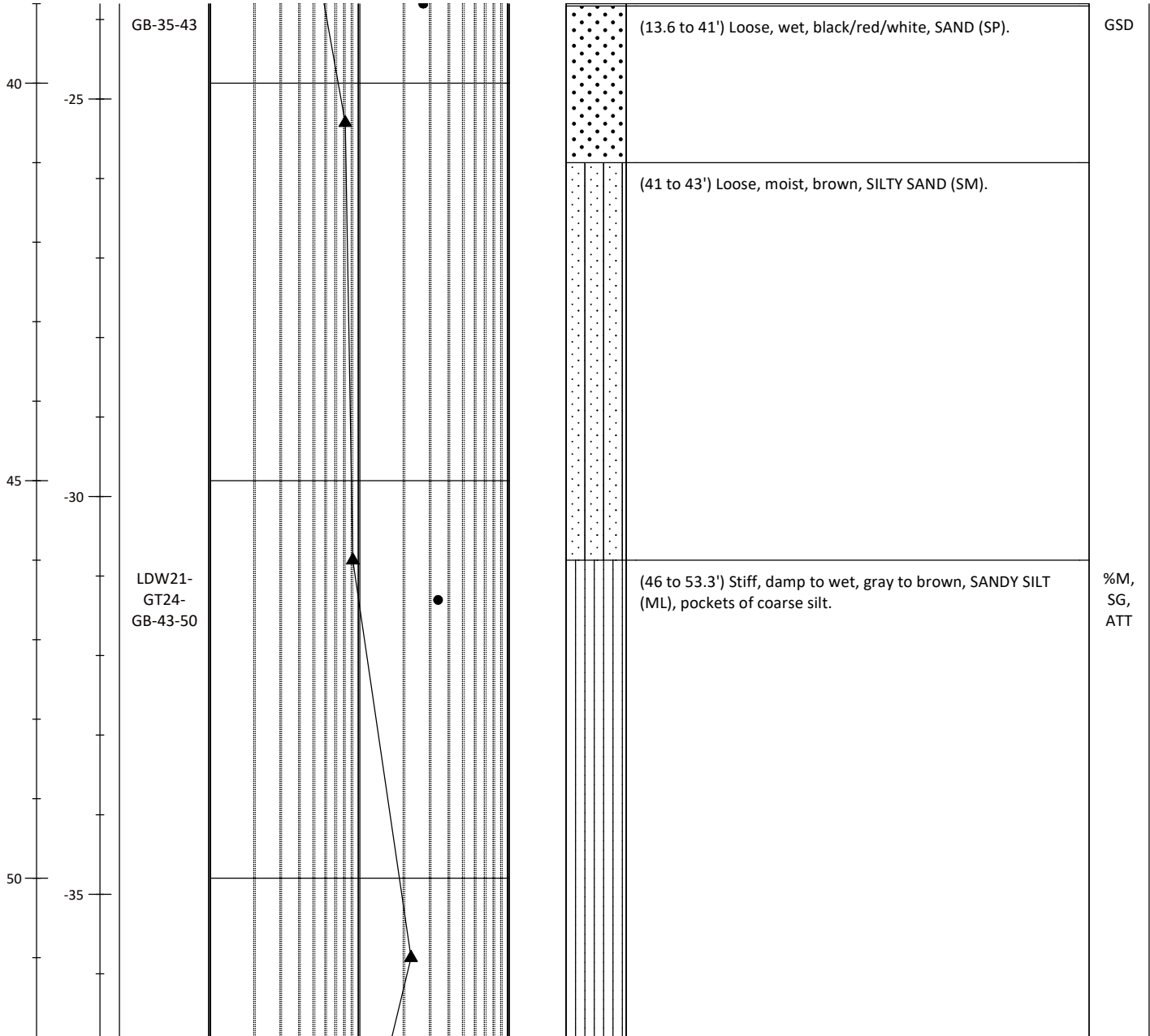
[DRAFT] Soil Boring Log

LDW21-GT24-GB

Sheet 4 of 5

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 193910.921 E/LONG: 1276412.765	Total Depth (ft): 61.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (NA):
Collection Date: 7.26.21		Surface Elevation (ft): 15.2
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Sam Giannakos	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution,
 GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp
 Elevation estimated using proposed location base map, no depth to mudline reported

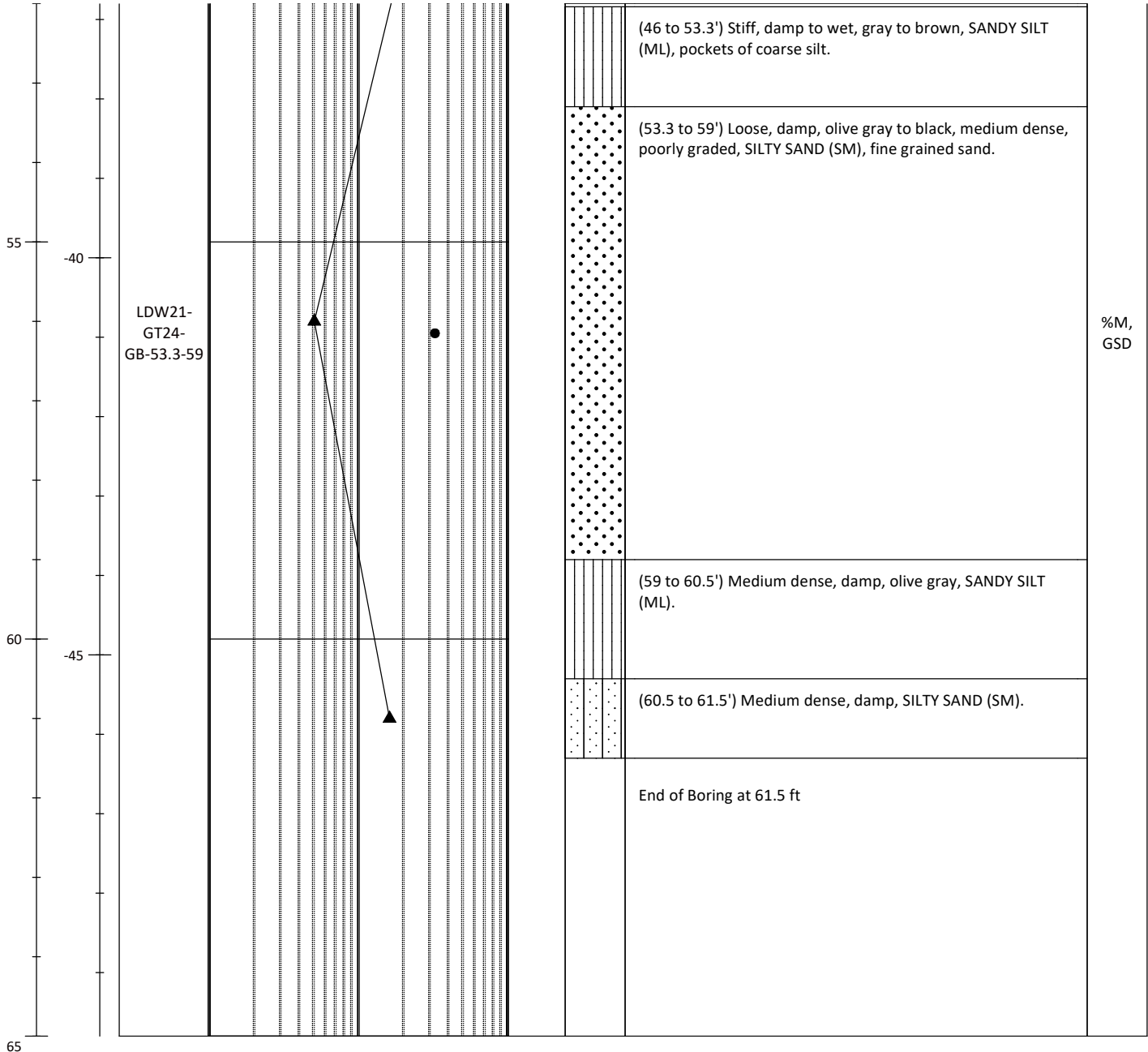
[DRAFT] Soil Boring Log

LDW21-GT24-GB

Sheet 5 of 5

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 193910.921 E/LONG: 1276412.765	Total Depth (ft): 61.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (NA):
Collection Date: 7.26.21		Surface Elevation (ft): 15.2
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Sam Giannakos	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp
 Elevation estimated using proposed location base map, no depth to mudline reported

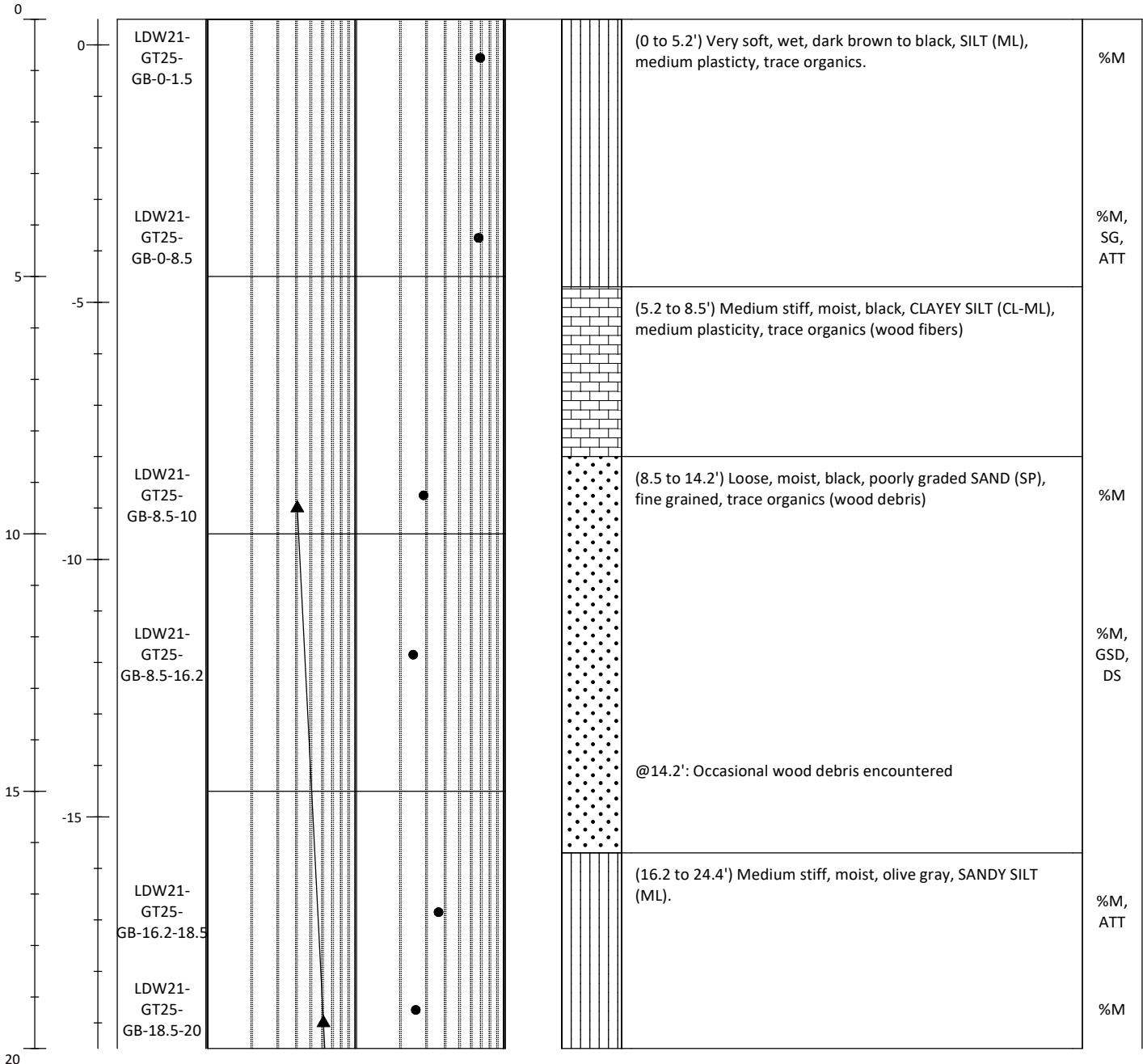
[DRAFT] Soil Boring Log

LDW21-GT25-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 193902.768 E/LONG: 1276326.832	Total Depth (ft): 30
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 7.5
Collection Date: 07.15.21		Mudline Elevation (ft): 0.5
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



<p>1201 Third Avenue Suite 2600 Seattle, WA 98101</p>	<ul style="list-style-type: none"> ▲ SPT N-Value ● Moisture Content (%) 	<p>Notes: %M=Percent Moisture Content,SG=Specific Gravity,ATT=Atterberg Limits,GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer,1-D: One-dimensional Consolidation,CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels</p>
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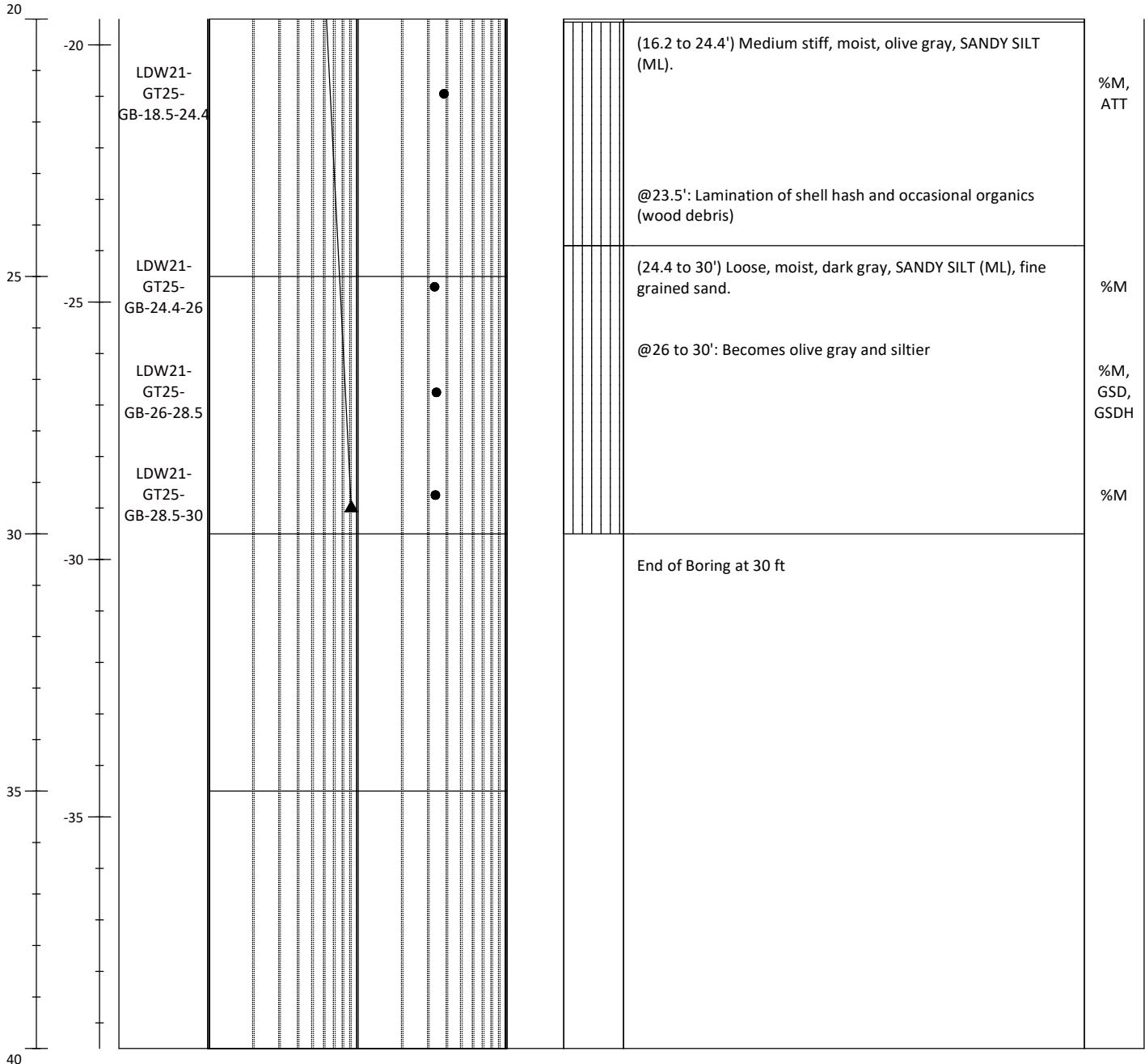
[DRAFT] Soil Boring Log

LDW21-GT25-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 193902.768 E/LONG: 1276326.832	Total Depth (ft): 30
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 7.5
Collection Date: 07.15.21		Mudline Elevation (ft): 0.5
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

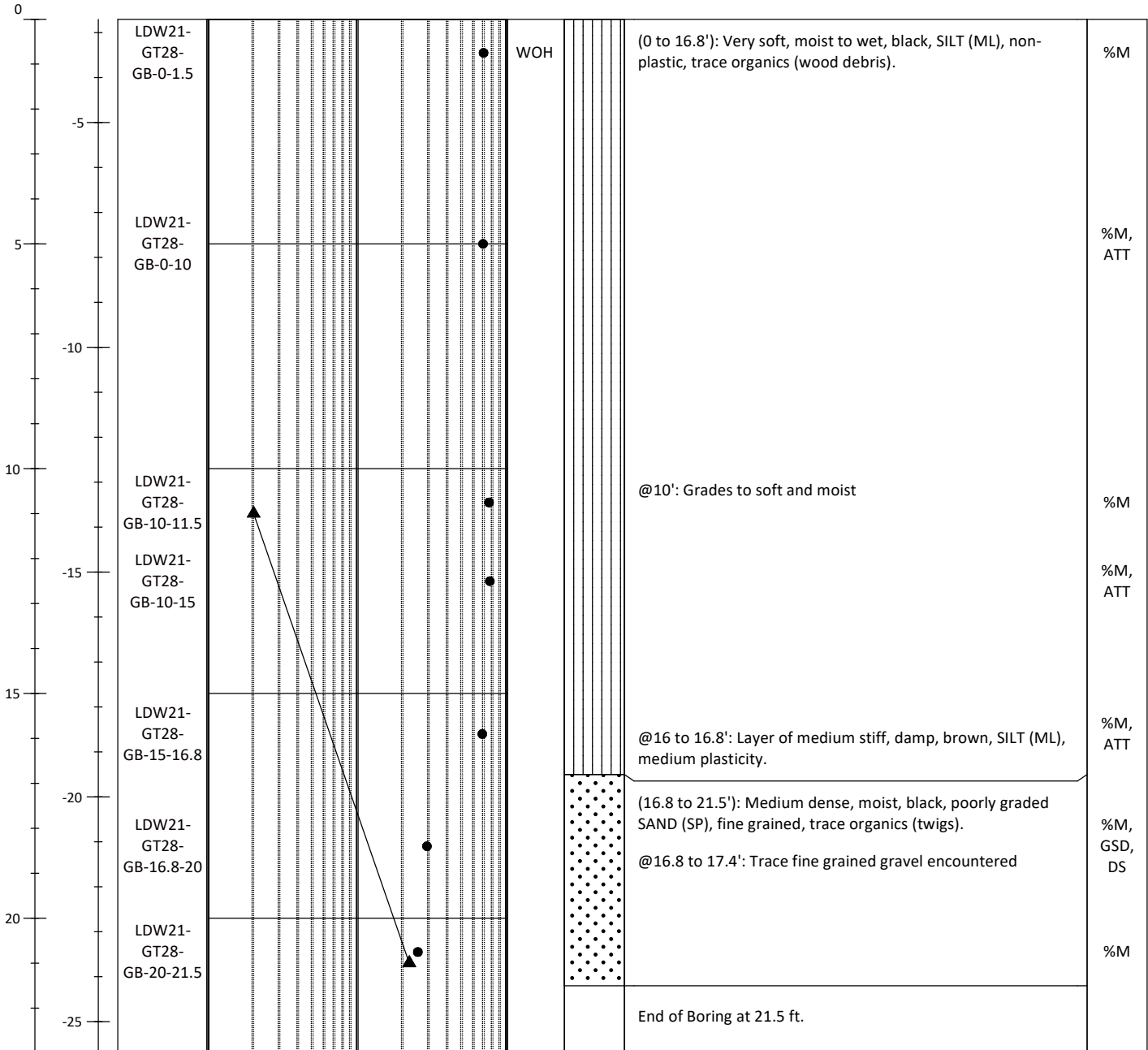
[DRAFT] Soil Boring Log

LDW21-GT28-GB

Sheet 1 of 1

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 193703.693 E/LONG: 1275982.714	Total Depth (ft): 21.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 12.2
Collection Date: 07.07.21		Mudline Elevation (ft): -2.7
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

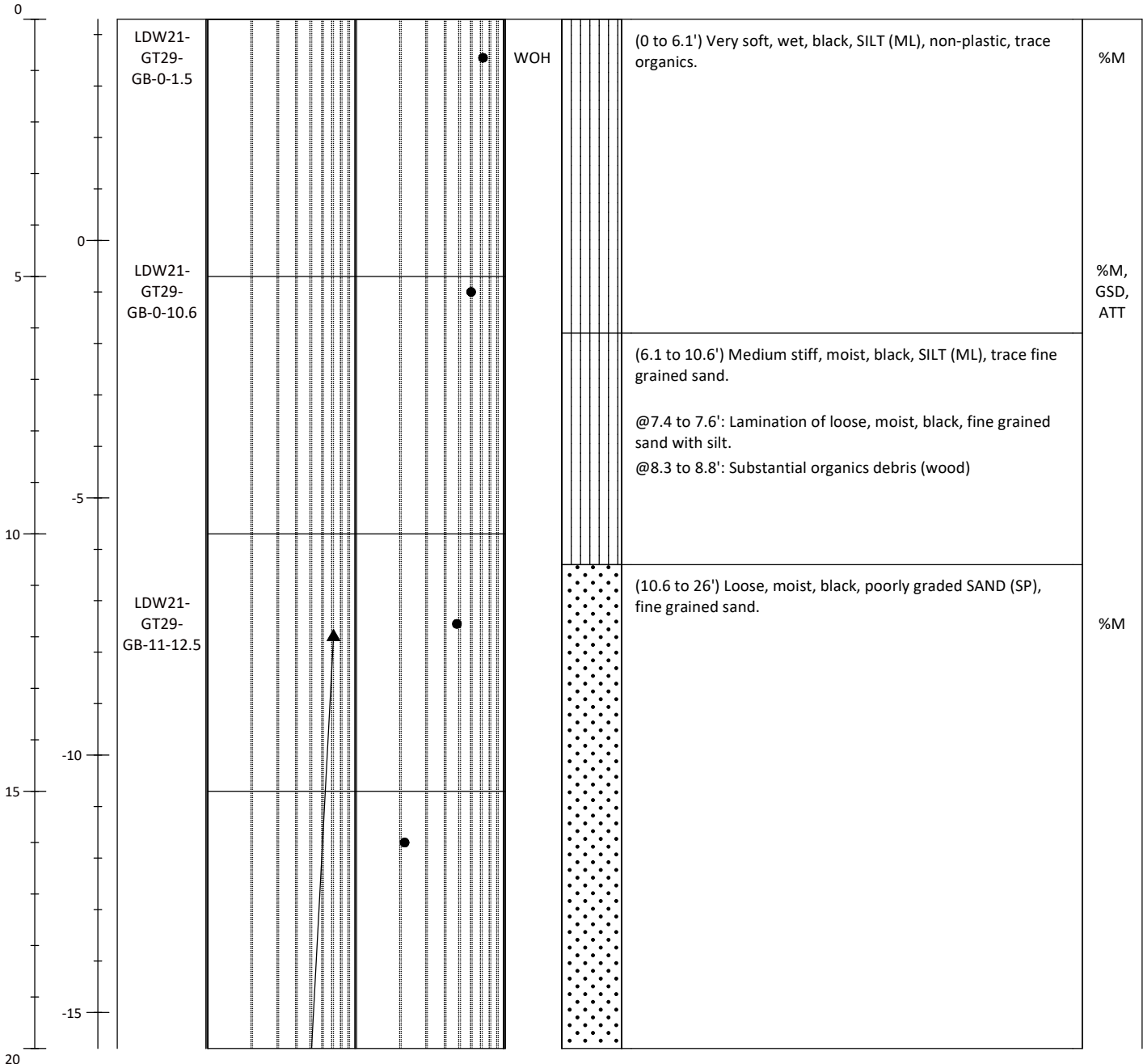
[DRAFT] Soil Boring Log

LDW21-GT29-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 193401.625 E/LONG: 1276568.528	Total Depth (ft): 32.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 5.0
Collection Date: 07.14.21		Mudline Elevation (ft): 4.3
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content,SG=Specific Gravity,ATT=Atterberg Limits,GSD=Grainsize Distribution,
 GSDH=Grainsize Distribution+Hydrometer,1-D: One-densional Consolidation,CU=Unconsolidated Comp.
 Mudline elevations determined from leadline measurements and Site tide gage levels

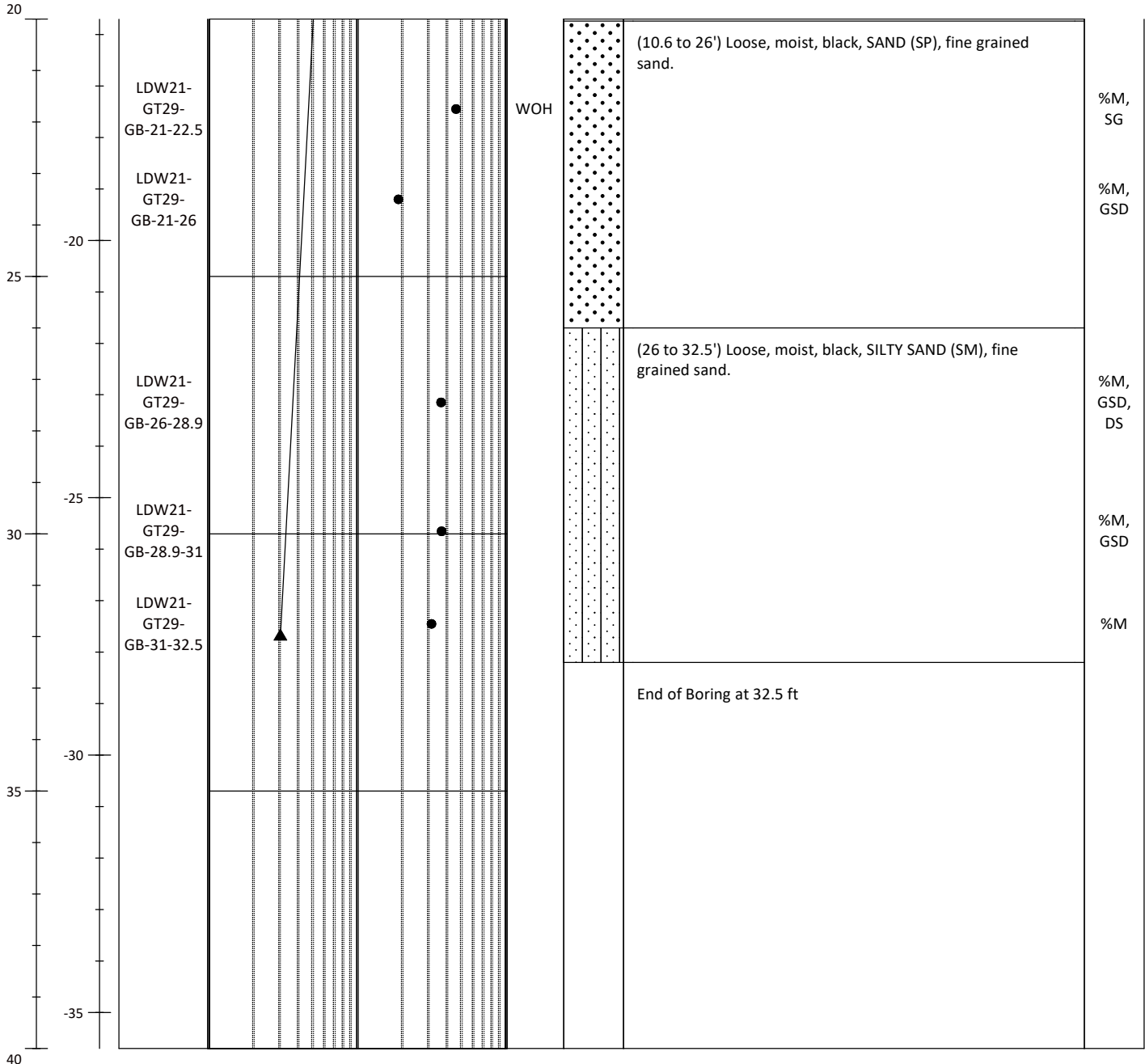
[DRAFT] Soil Boring Log

LDW21-GT29-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 193401.625 E/LONG: 1276568.528	Total Depth (ft): 32.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 5.0
Collection Date: 07.14.21		Mudline Elevation (ft): 4.3
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

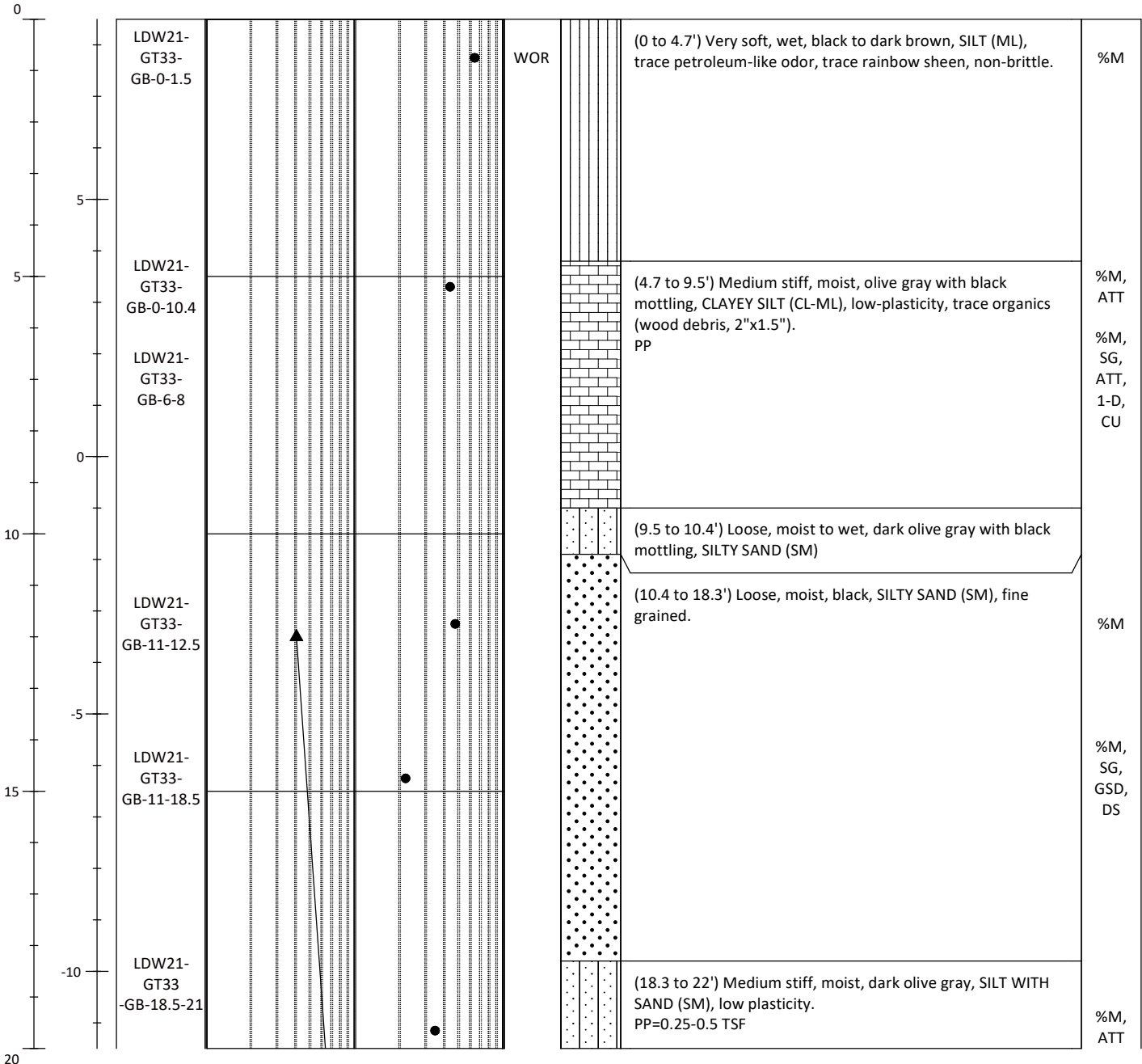
[DRAFT] Soil Boring Log

LDW21-GT33-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 193093.668 E/LONG: 1276612.259	Total Depth (ft): 32.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 0.1
Collection Date: 07.15.21		Mudline Elevation (ft): 8.5
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

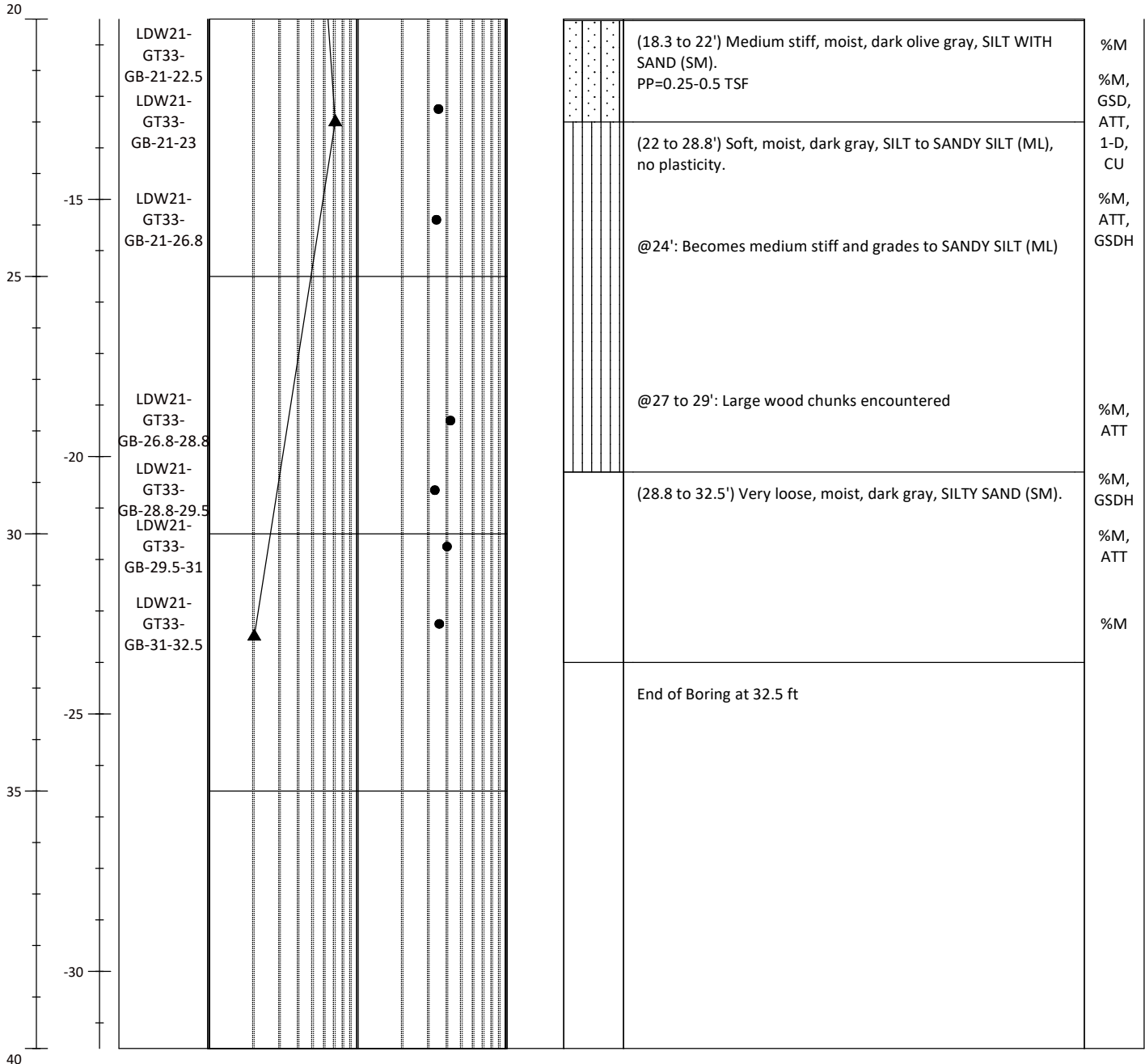
[DRAFT] Soil Boring Log

LDW21-GT33-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 193093.668 E/LONG: 1276612.259	Total Depth (ft): 32.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 0.1
Collection Date: 07.15.21		Mudline Elevation (ft): 8.5
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

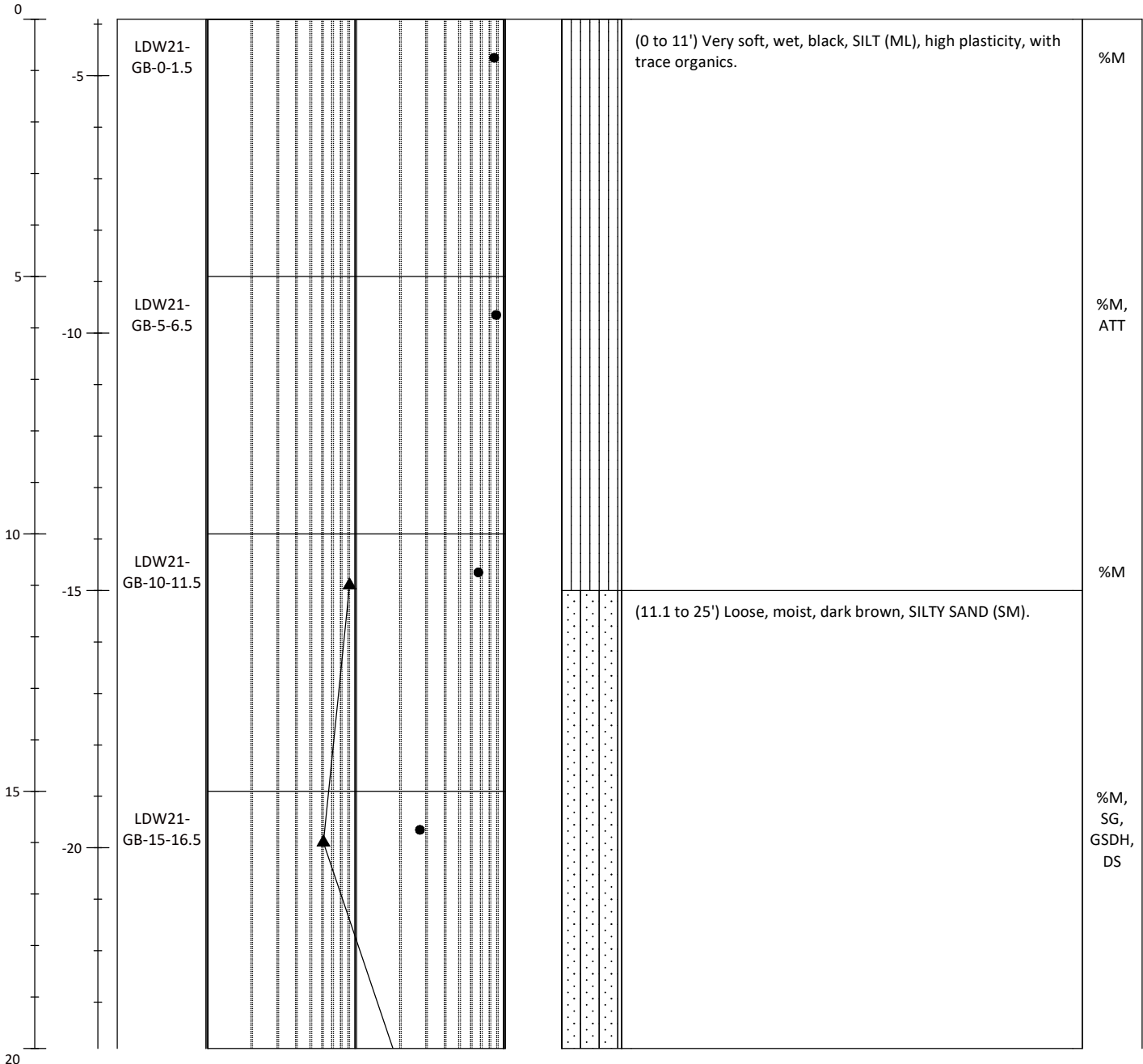
[DRAFT] Soil Boring Log

LDW-GT35-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 192818.4 E/LONG: 1277387	Total Depth (ft): 31.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 11.3
Collection Date: 07.20.21		Mudline Elevation (ft): -3.9
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

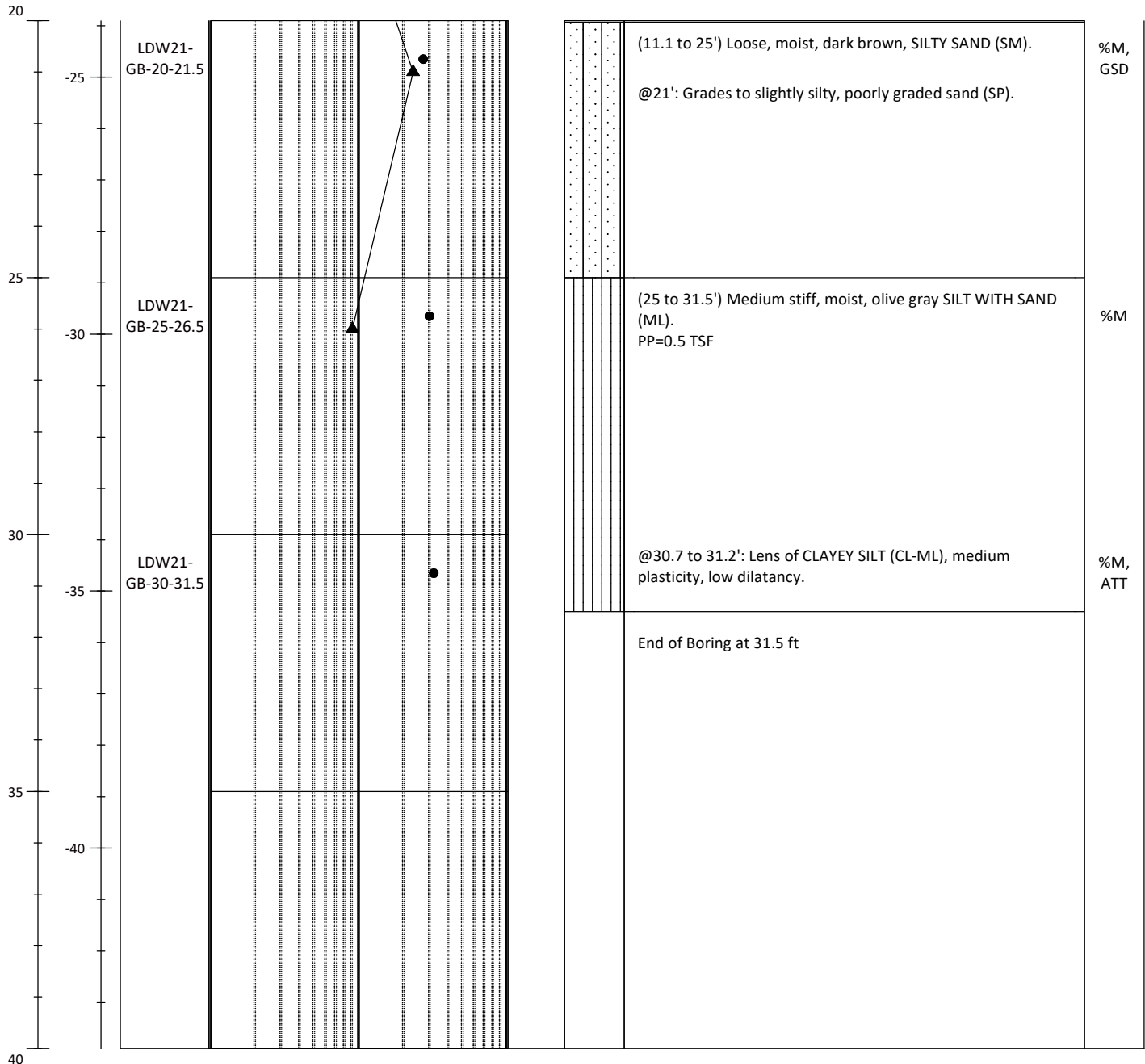
[DRAFT] Soil Boring Log

LDW-GT35-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 192818.4 E/LONG: 1277387	Total Depth (ft): 31.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 11.3
Collection Date: 07.20.21		Mudline Elevation (ft): -3.9
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution,
 GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp.
 Mudline elevations determined from leadline measurements and Site tide gage levels

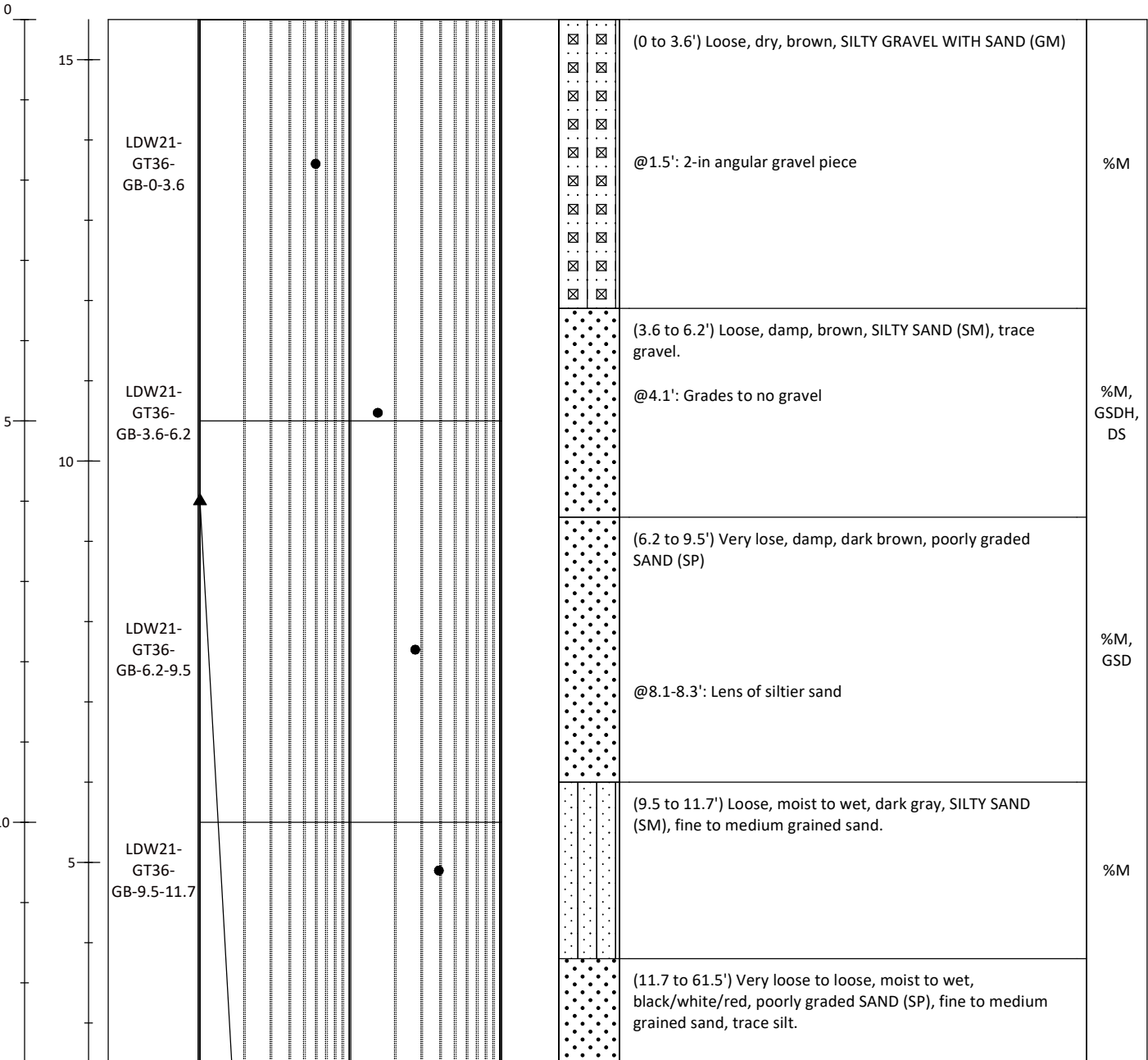
[DRAFT] Soil Boring Log

LDW21-GT36-GB

Sheet 1 of 5

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 192741.238 E/LONG: 1277403.821	Total Depth (ft): 61.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (NE):
Collection Date: 07.27.21		Surface Elevation (ft): 15.5
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Sam Giannakos	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp
 Elevation estimated using proposed location base map, no depth to mudline reported

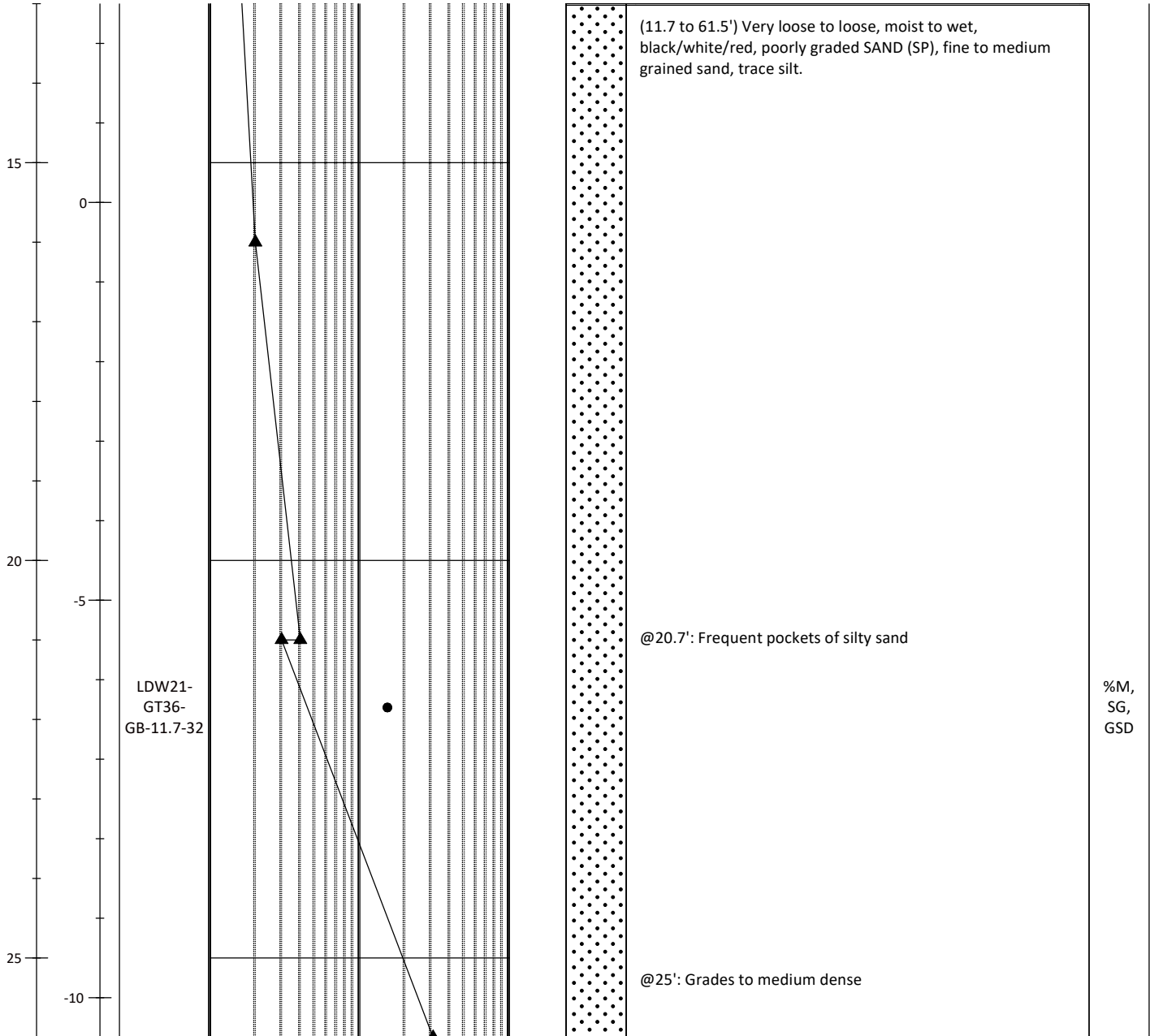
[DRAFT] Soil Boring Log

LDW21-GT36-GB

Sheet 2 of 5

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 192741.238 E/LONG: 1277403.821	Total Depth (ft): 61.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (NE):
Collection Date: 07.27.21		Surface Elevation (ft): 15.5
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Sam Giannakos	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp
 Elevation estimated using proposed location base map, no depth to mudline reported

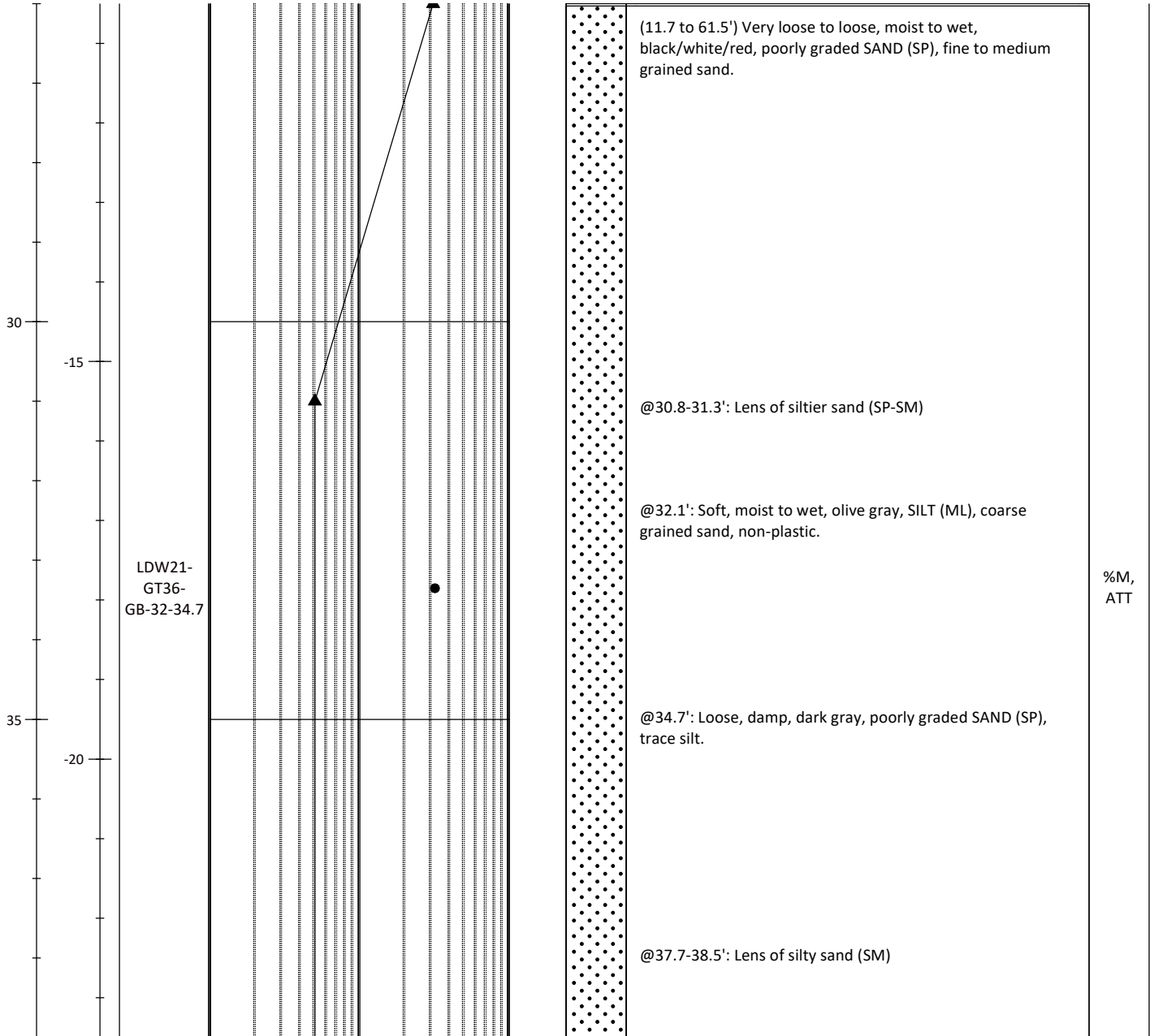
[DRAFT] Soil Boring Log

LDW21-GT36-GB

Sheet 3 of 5

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 192741.238 E/LONG: 1277403.821	Total Depth (ft): 61.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (NE):
Collection Date: 07.27.21		Surface Elevation (ft): 15.5
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Sam Giannakos	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content,SG=Specific Gravity,ATT=Atterberg Limits,GSD=Grainsize Distribution,
 GSDH=Grainsize Distribution+Hydrometer,1-D: One-densional Consolidation,CU=Unconsolidated Comp
 Elevation estimated using proposed location base map, no depth to mudline reported

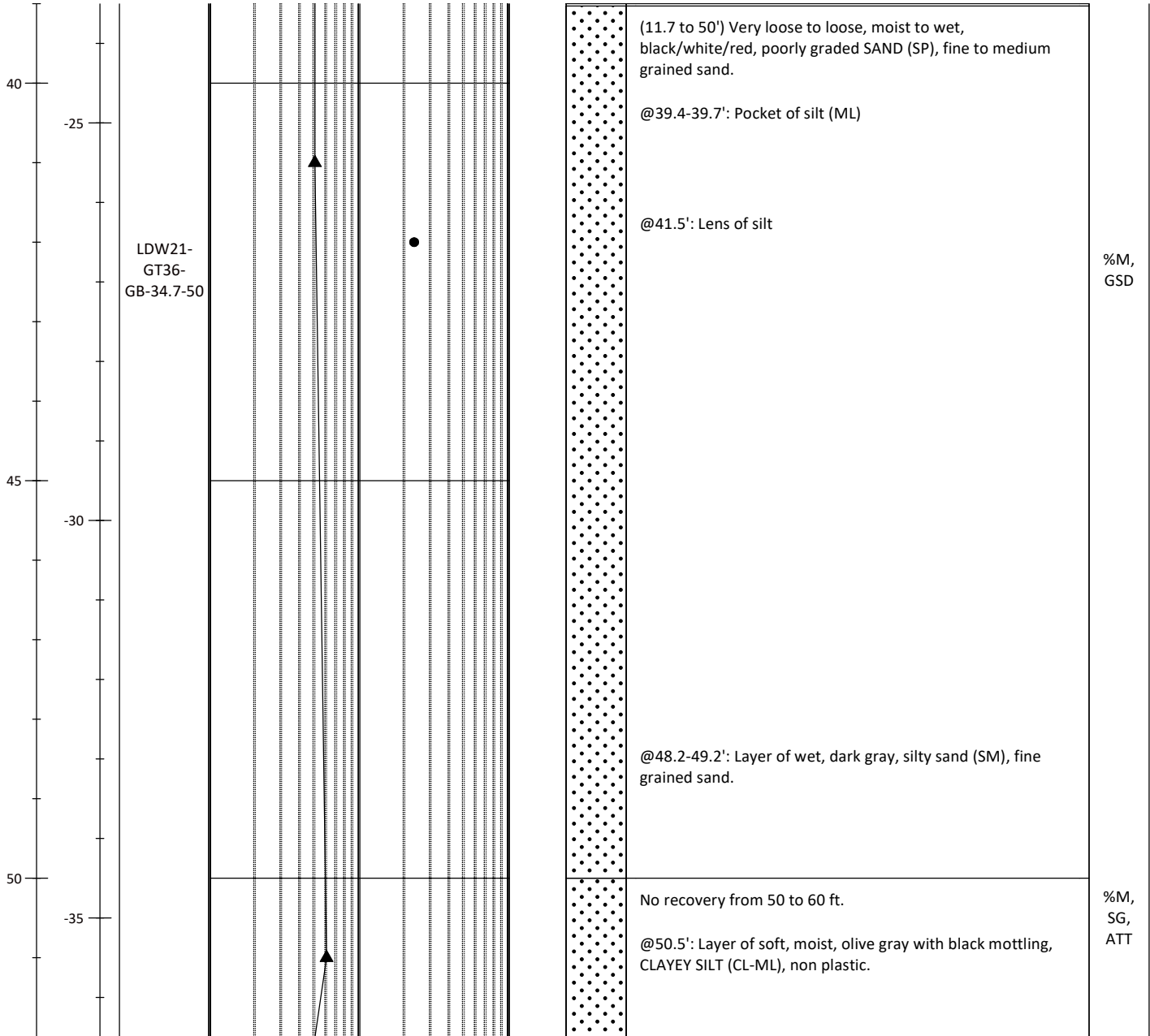
[DRAFT] Soil Boring Log

LDW21-GT36-GB

Sheet 4 of 5

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 192741.238 E/LONG: 1277403.821	Total Depth (ft): 61.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (NE):
Collection Date: 07.27.21		Surface Elevation (ft): 15.5
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Sam Giannakos	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp
 Elevation estimated using proposed location base map, no depth to mudline reported

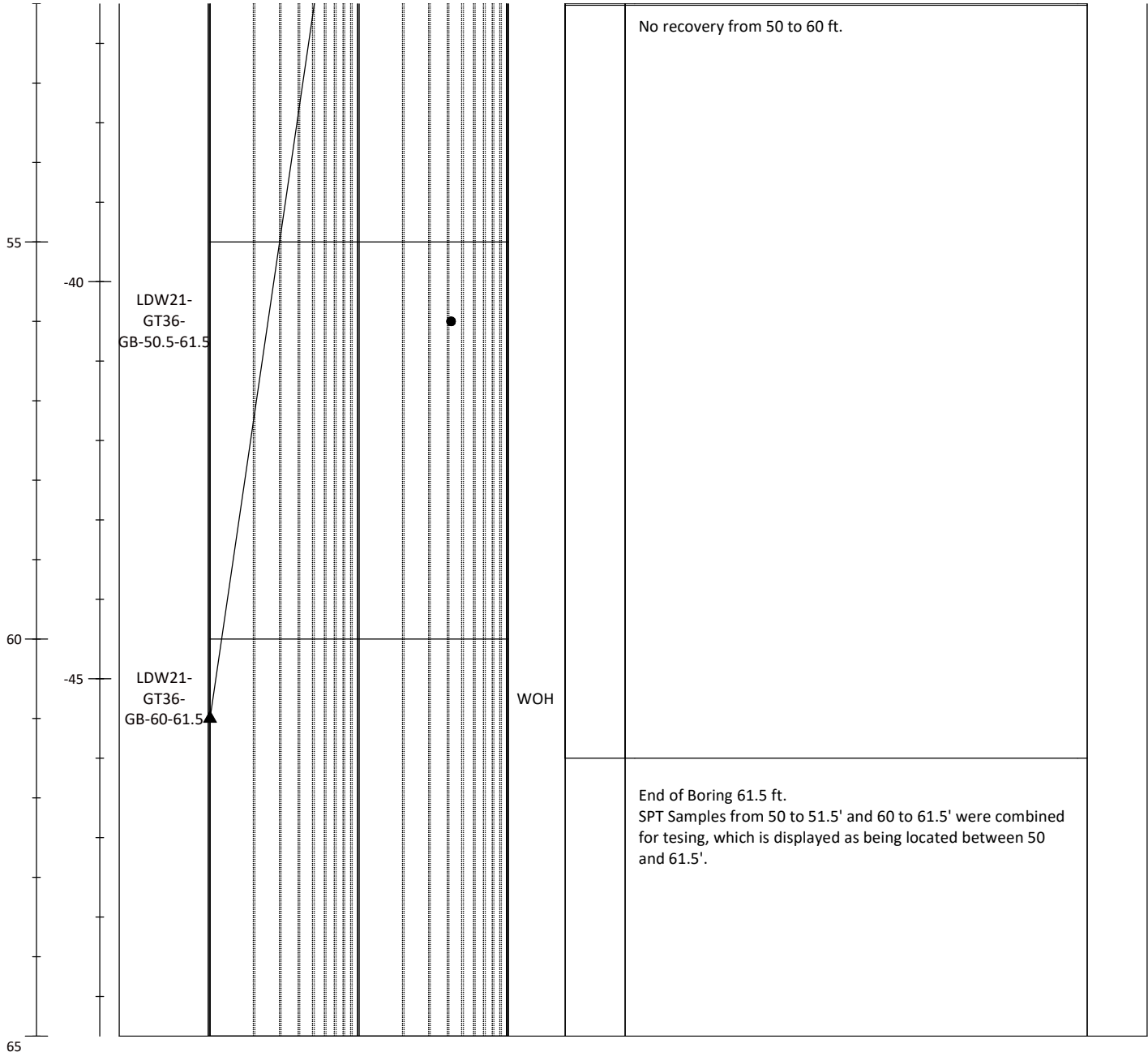
[DRAFT] Soil Boring Log

LDW21-GT36-GB

Sheet 5 of 5

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 192741.238 E/LONG: 1277403.821	Total Depth (ft): 61.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (NE):
Collection Date: 07.27.21		Surface Elevation (ft): 15.5
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Sam Giannakos	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp
 Elevation estimated using proposed location base map, no depth to mudline reported

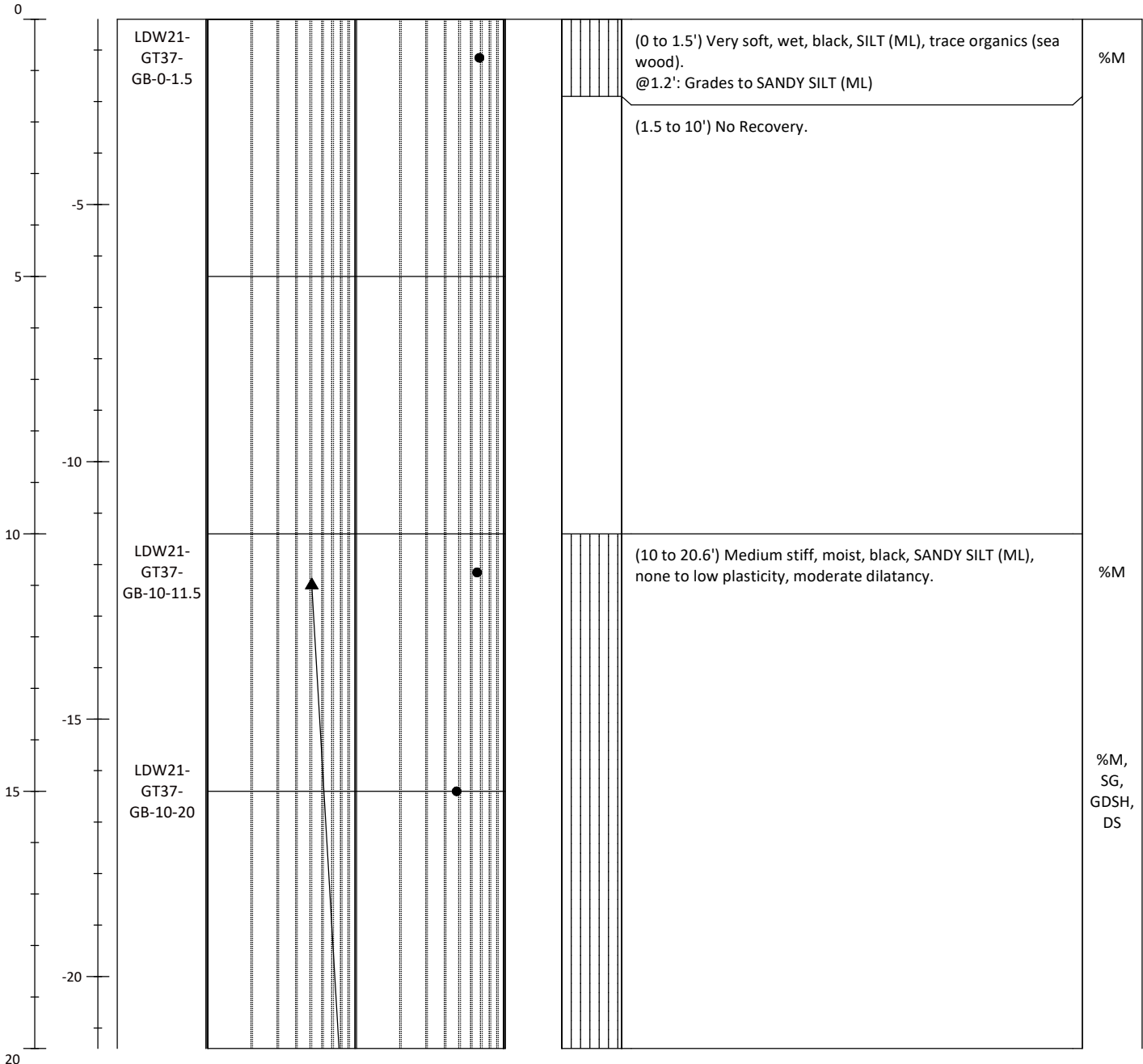
[DRAFT] Soil Boring Log

LDW21-GT37-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 192182.064 E/LONG: 1276436.379	Total Depth (ft): 31.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 6.0
Collection Date: 07.14.21		Mudline Elevation (ft): -1.4
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

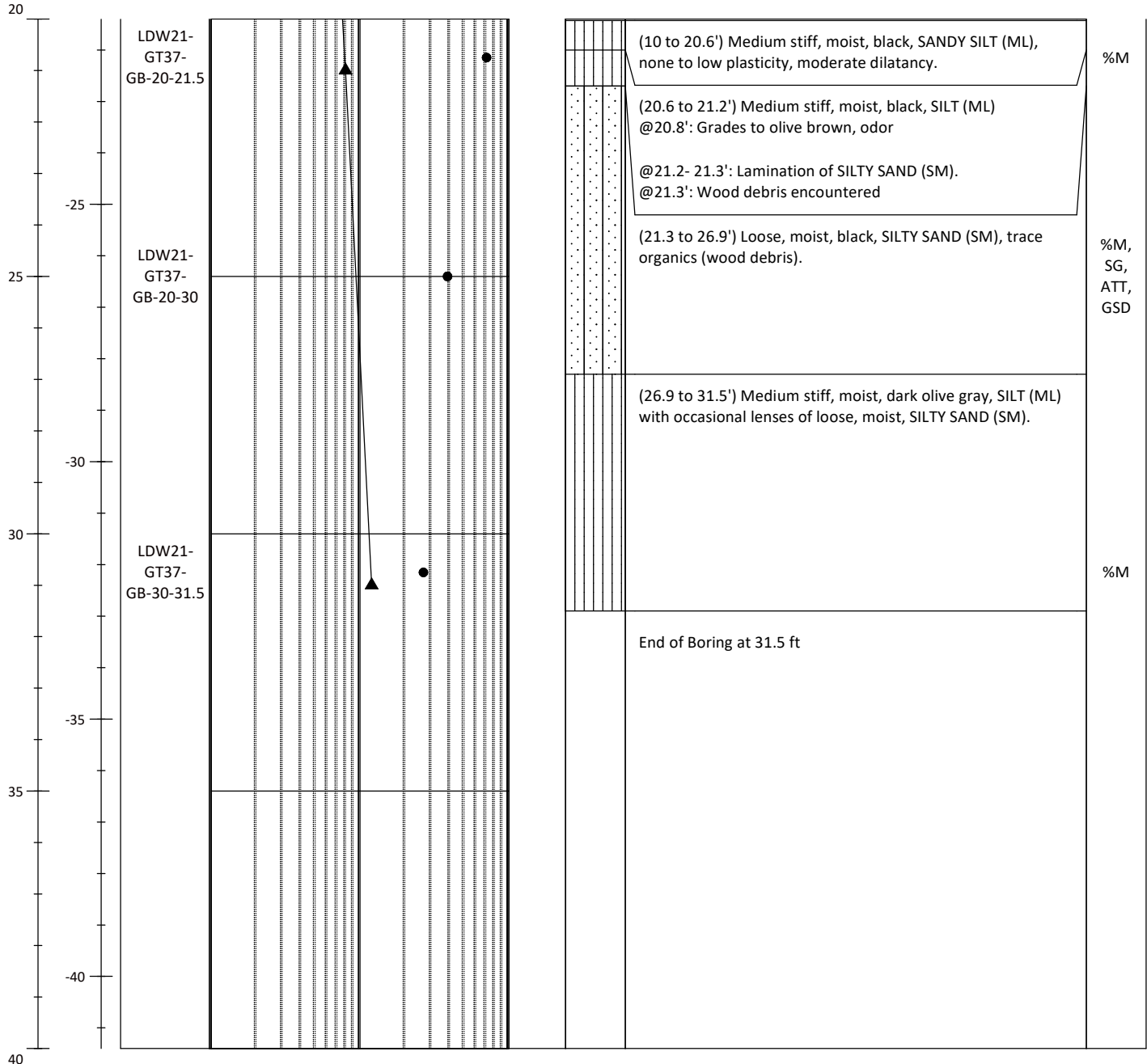
[DRAFT] Soil Boring Log

LDW21-GT37-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 192182.064 E/LONG: 1276436.379	Total Depth (ft): 31.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 6.0
Collection Date: 07.14.21		Mudline Elevation (ft): -1.4
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content,SG=Specific Gravity,ATT=Atterberg Limits,GSD=Grainsize Distribution,
 GSDH=Grainsize Distribution+Hydrometer,1-D: One-dimensional Consolidation,CU=Unconsolidated Comp.
 Mudline elevations determined from leadline measurements and Site tide gage levels

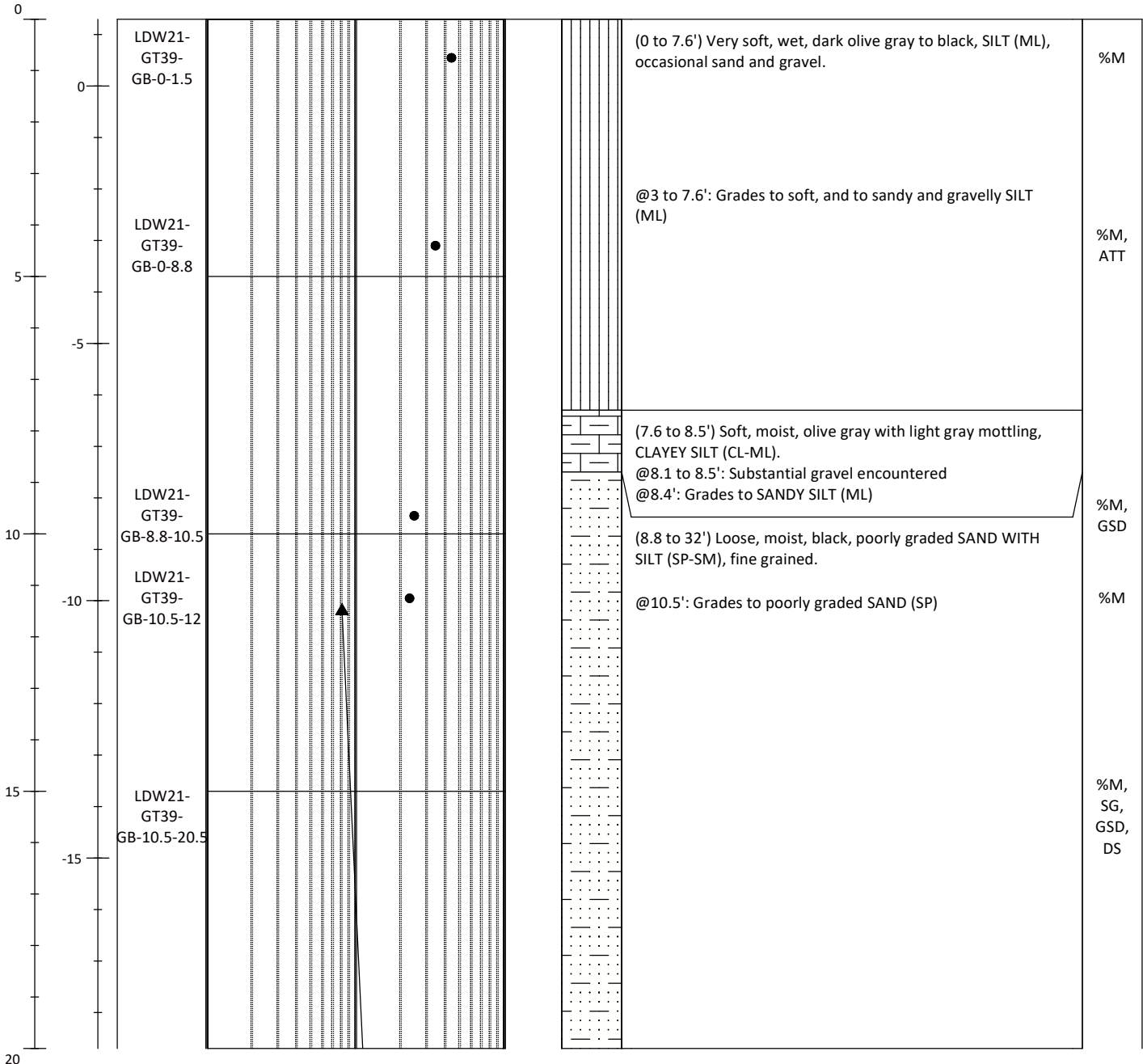
[DRAFT] Soil Boring Log

LDW21-GT39-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 190600.557 E/LONG: 1277362.3	Total Depth (ft): 32
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 5.5
Collection Date: 07.16.21		Mudline Elevation (ft): 1.3
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

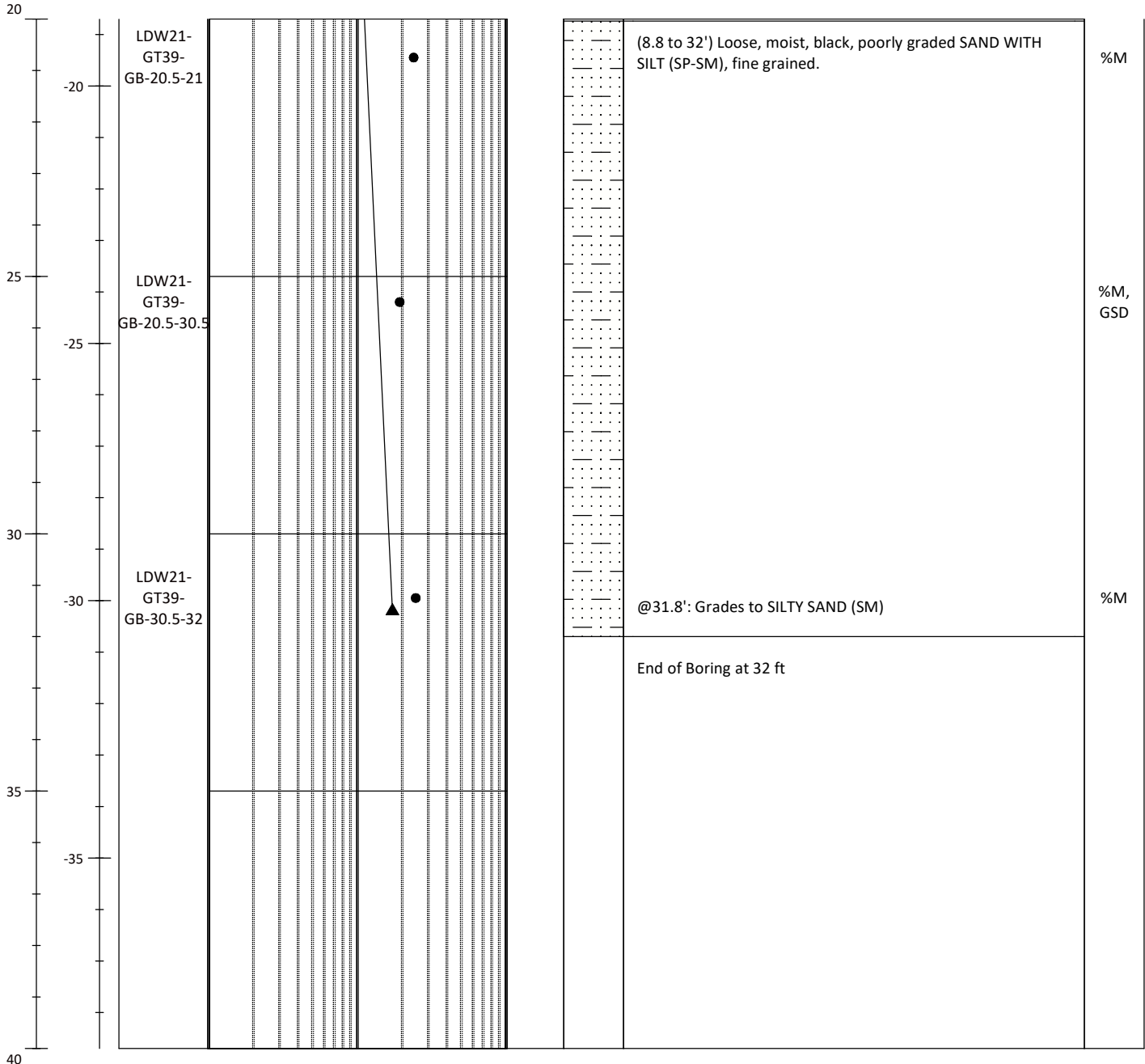
[DRAFT] Soil Boring Log

LDW21-GT39-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 190600.557 E/LONG: 1277362.3	Total Depth (ft): 32
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 5.5
Collection Date: 07.16.21		Mudline Elevation (ft): 1.3
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Casey Janisch	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp.
 Mudline elevations determined from leadline measurements and Site tide gage levels

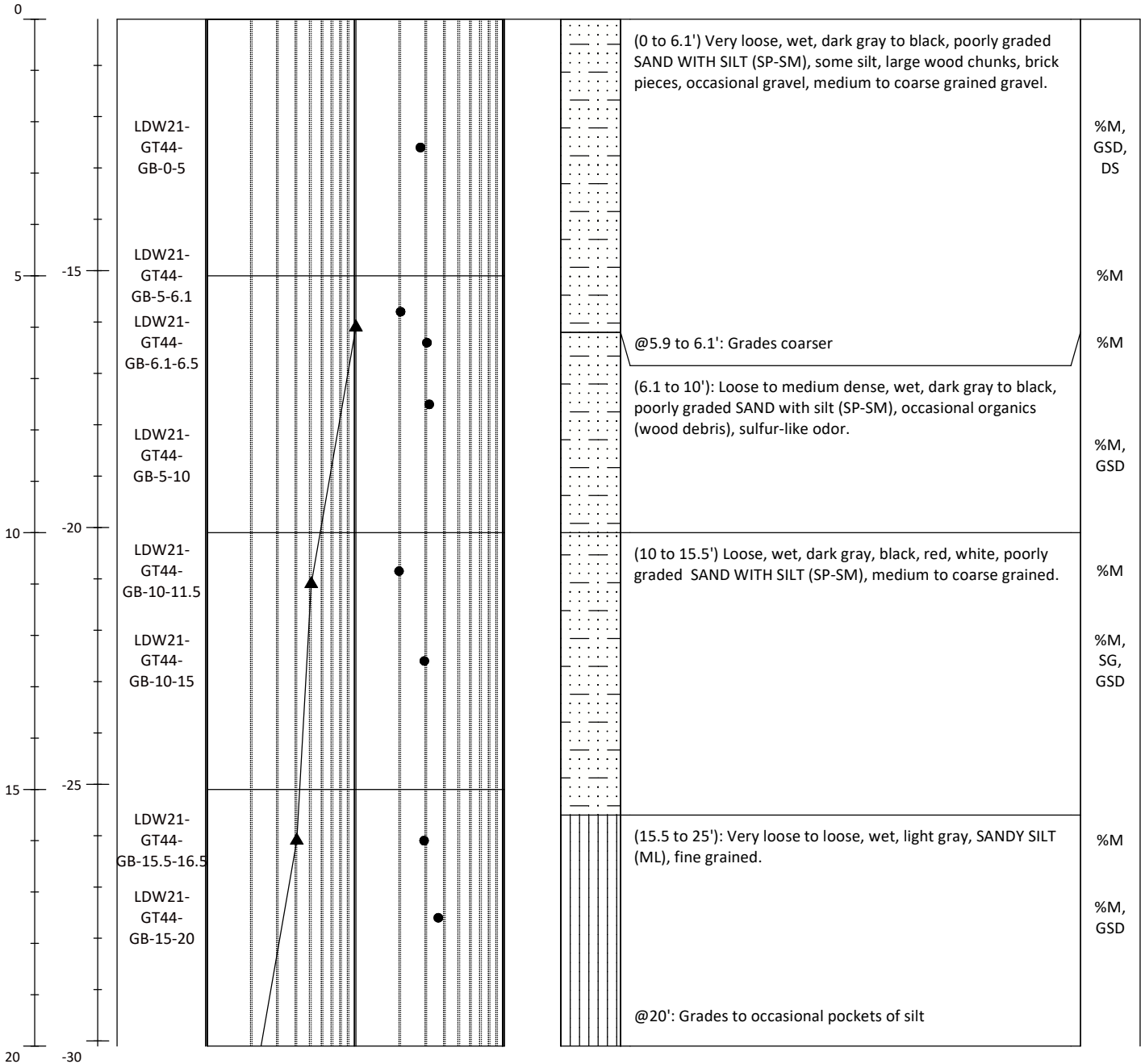
[DRAFT] Soil Boring Log

LDW21-GT44-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 190379.661 E/LONG: 1278233.2	Total Depth (ft): 31.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 18.5
Collection Date: 08.04.21		Mudline Elevation (ft): -10.1
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Garrett Timm	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

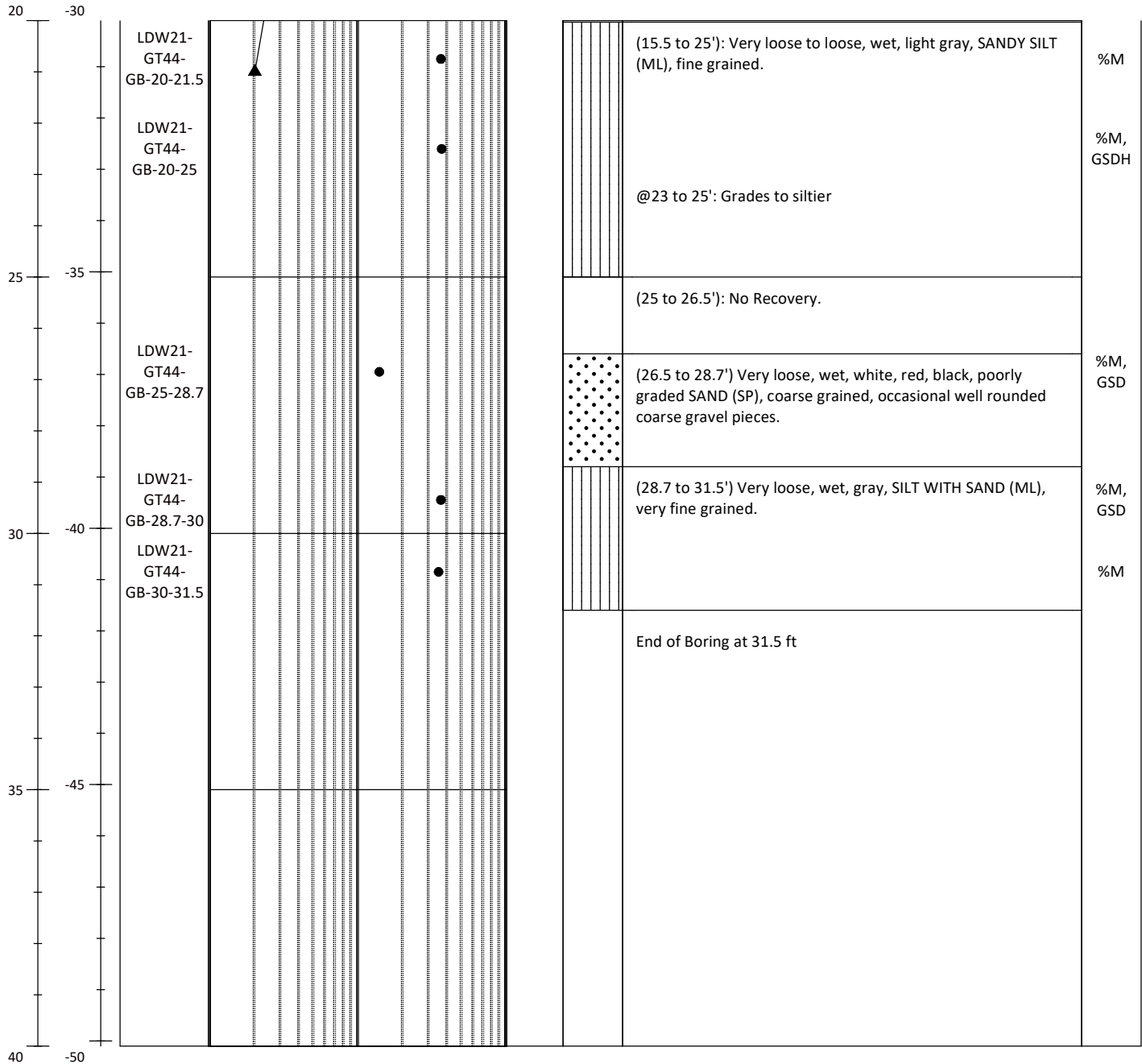
Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

[DRAFT] Soil Boring Log

LDW21-GT44-GB

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 190379.661 E/LONG: 1278233.2	Total Depth (ft): 31.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 18.5
Collection Date: 08.04.21		Mudline Elevation (ft): -10.1
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Garrett Timm	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

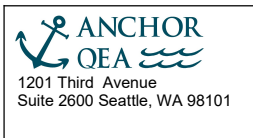
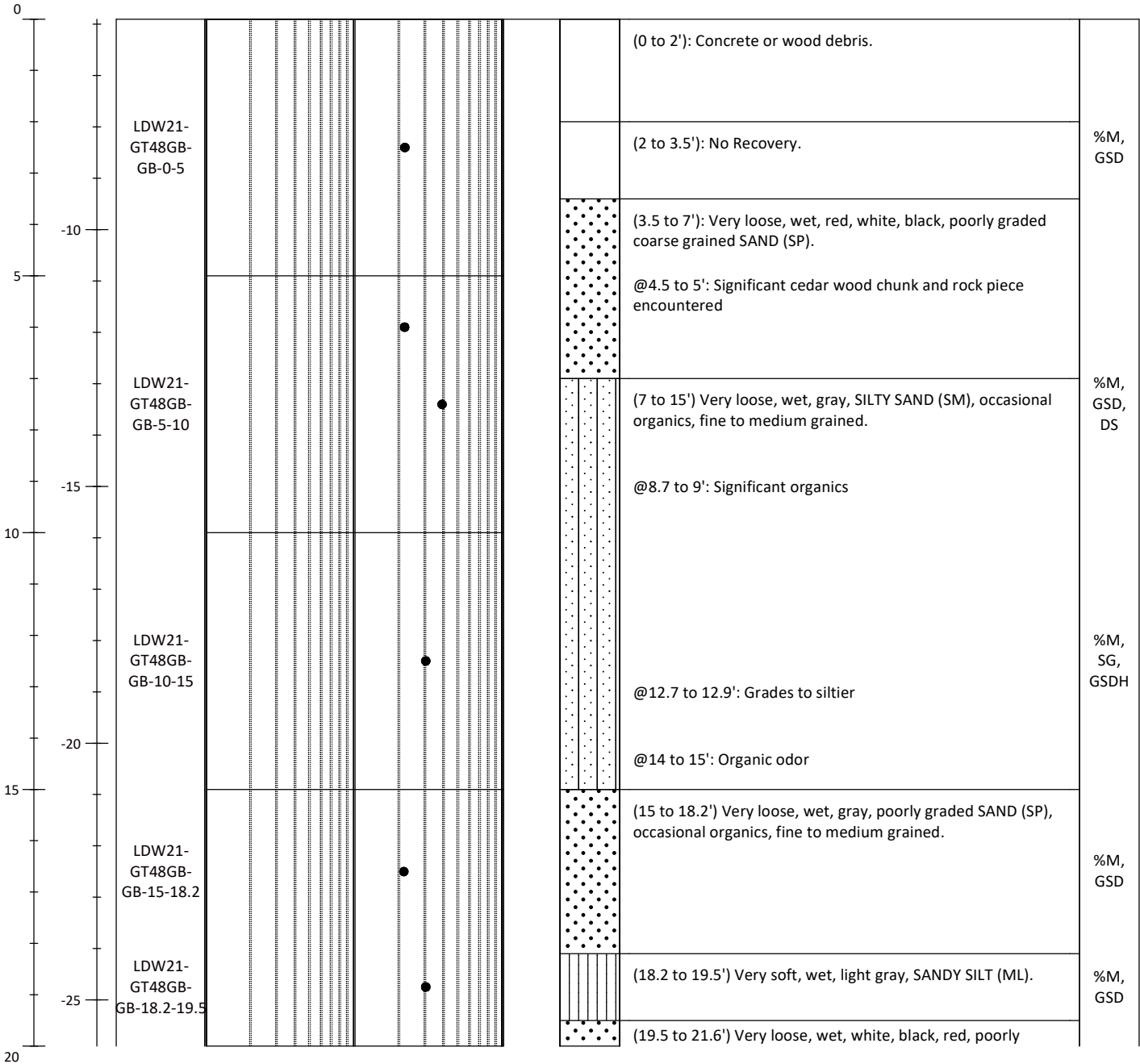
[DRAFT] Soil Boring Log

LDW21-GT48A-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 190317.6 E/LONG: 1278379.433	Total Depth (ft): 35
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 12
Collection Date: 08.05.21		Mudline Elevation (ft): -5.9
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Garrett Timm	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

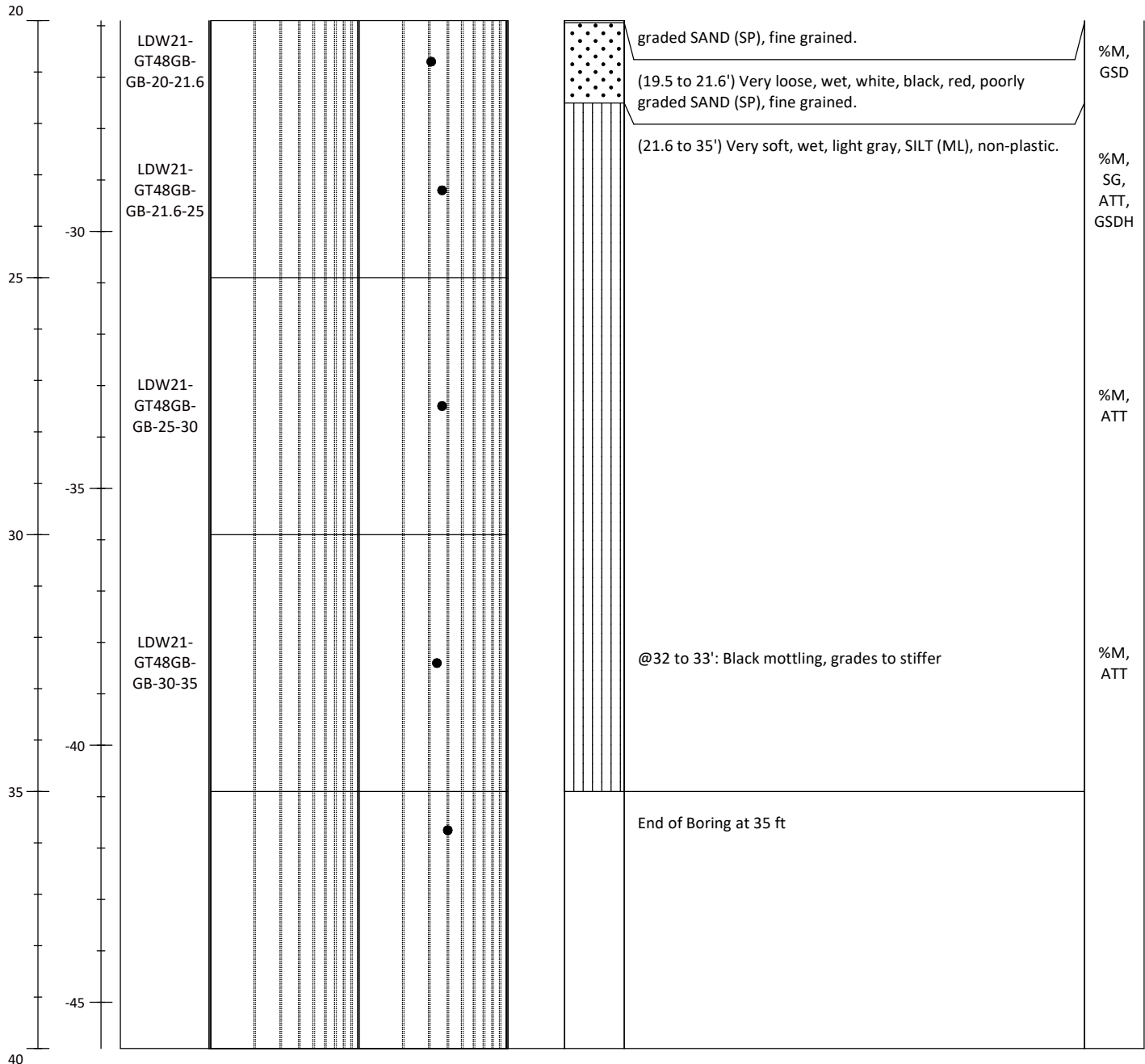
[DRAFT] Soil Boring Log

LDW21-GT48A-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 190317.6 E/LONG: 1278379.433	Total Depth (ft): 35
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 12
Collection Date: 08.05.21		Mudline Elevation (ft): -5.9
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Garrett Timm	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

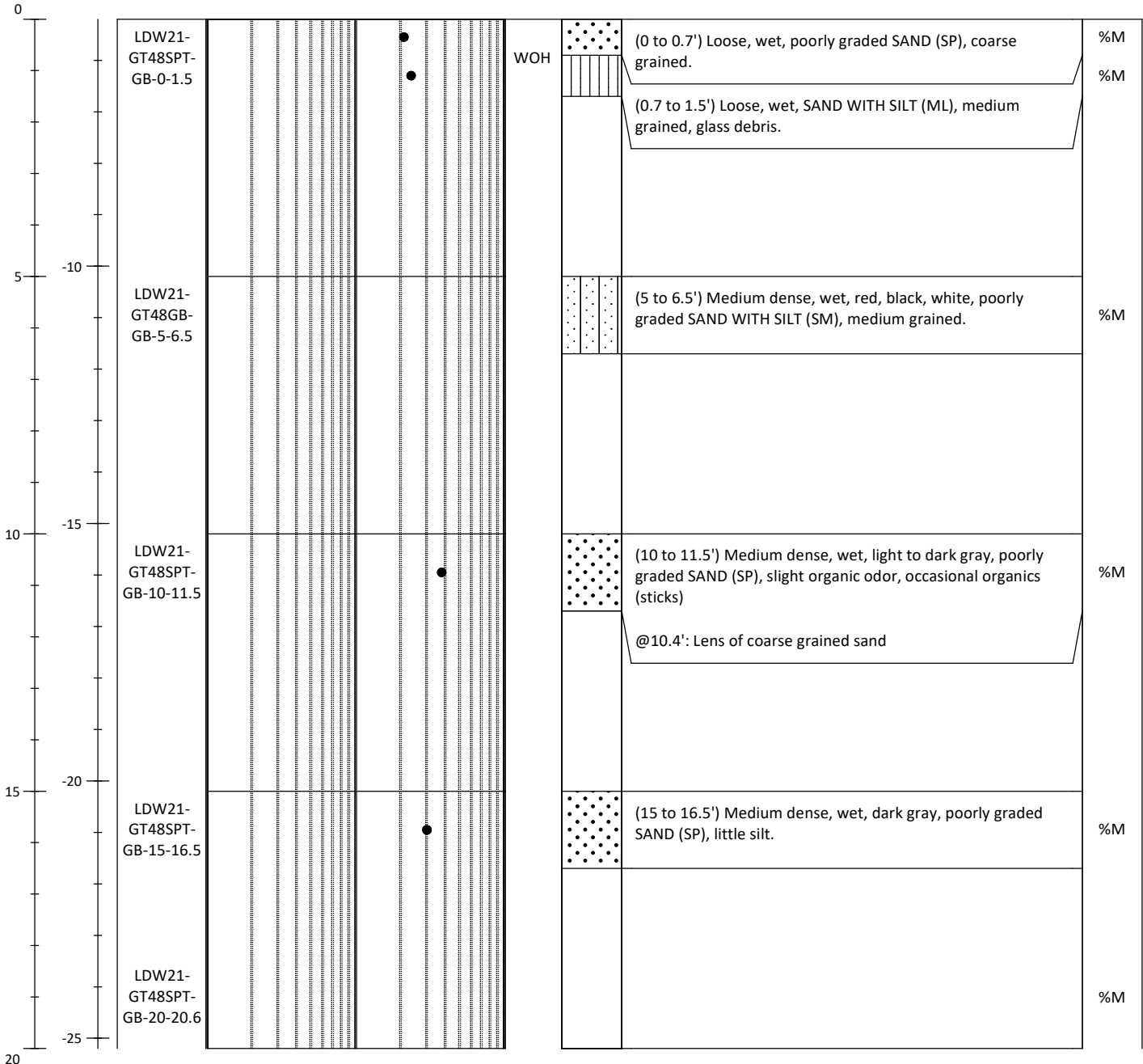
[DRAFT] Soil Boring Log

LDW21-GT48B-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 190313.244 E/LONG: 1278382.172	Total Depth (ft): 36.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 14.0
Collection Date: 08.05.21		Mudline Elevation (ft): -5.2
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Garrett Timm	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content,SG=Specific Gravity,ATT=Atterberg Limits,GSD=Grainsize Distribution,
 GSDH=Grainsize Distribution+Hydrometer,1-D: One-densional Consolidation,CU=Unconsolidated Comp.
 Mudline elevations determined from leadline measurements and Site tide gage levels

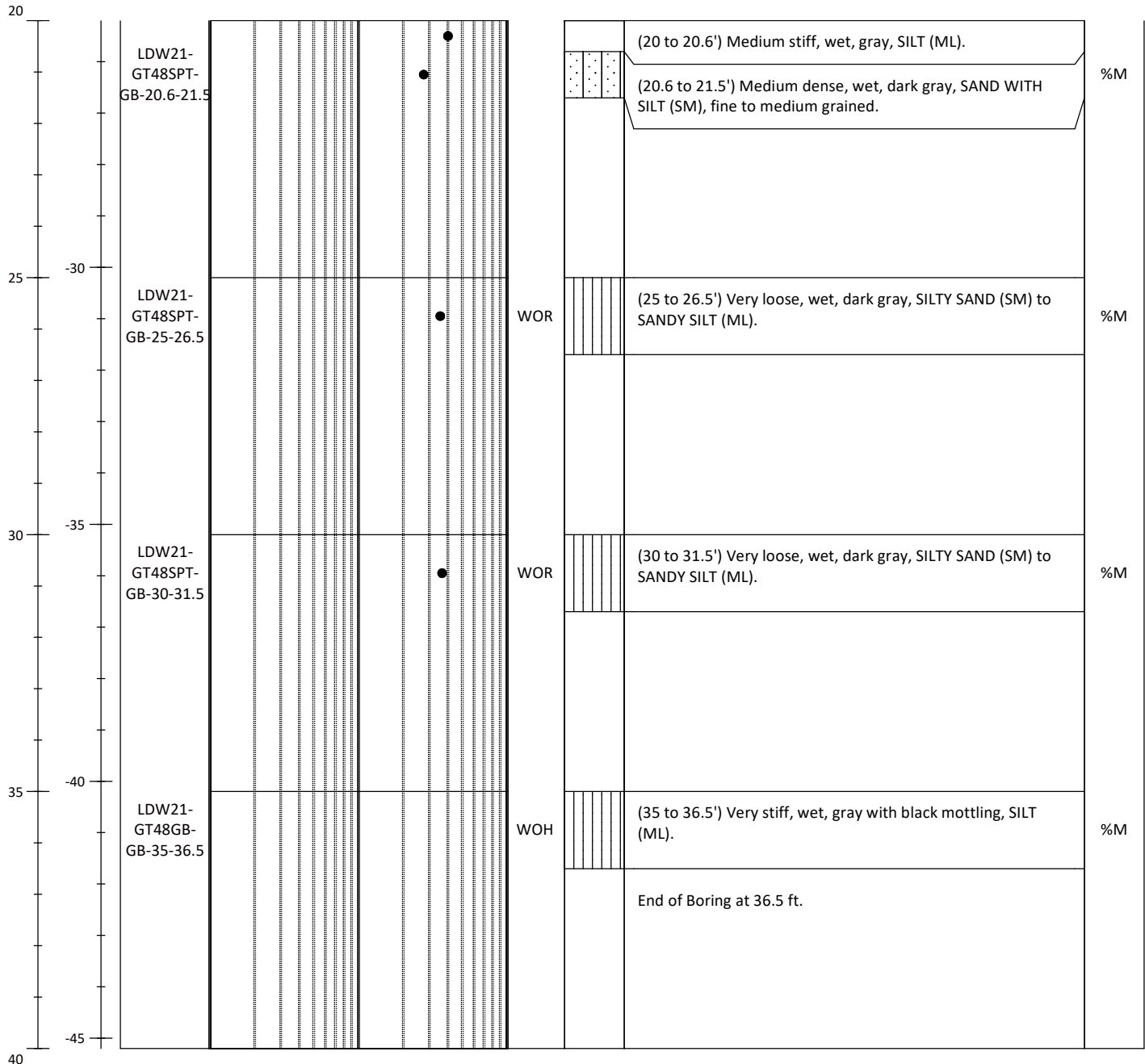
[DRAFT] Soil Boring Log

LDW21-GT48B-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 190313.244 E/LONG: 1278382.172	Total Depth (ft): 36.5
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 14.0
Collection Date: 08.05.21		Mudline Elevation (ft): -5.2
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Garrett Timm	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

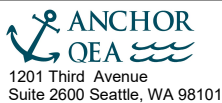
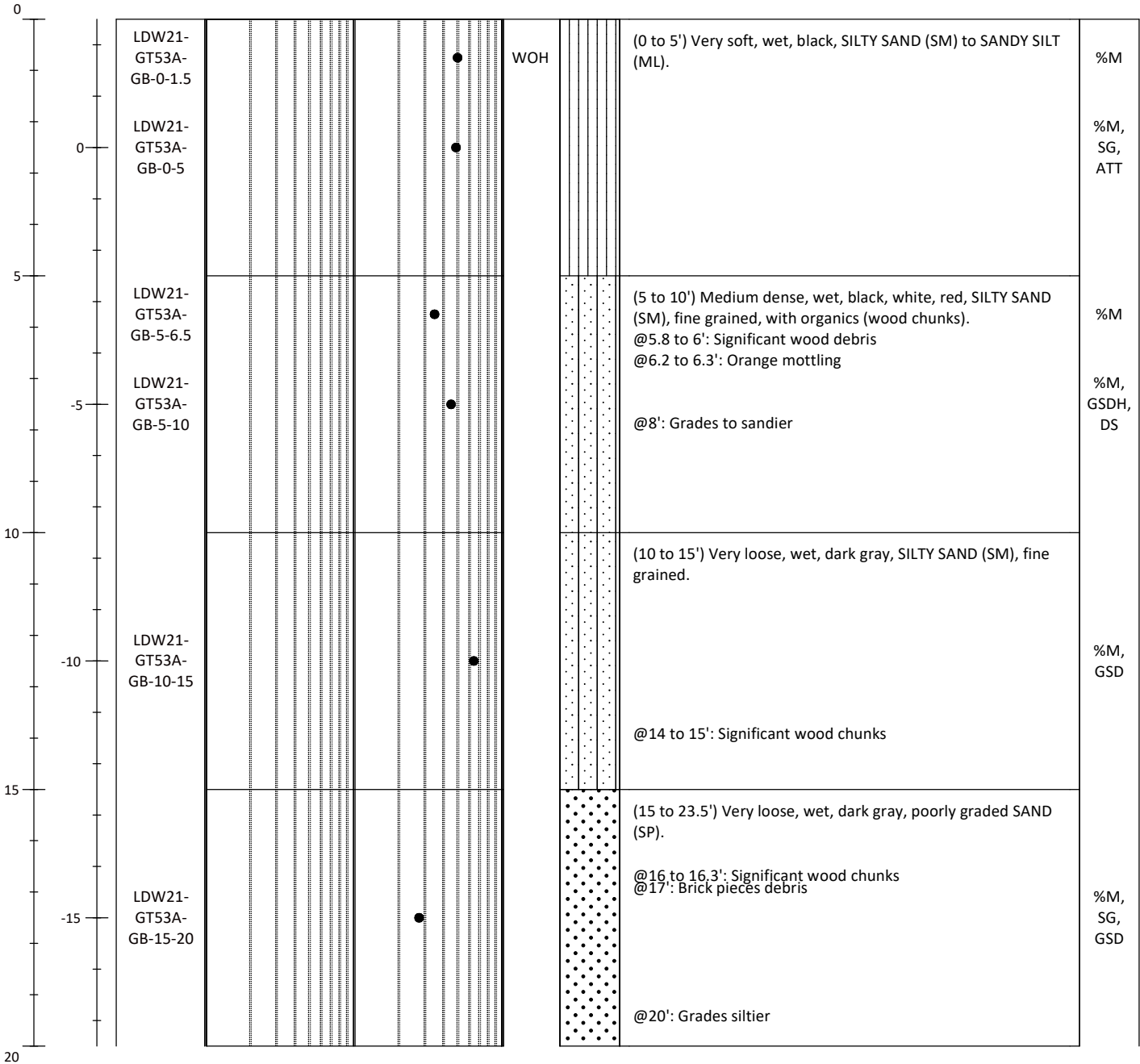
Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp. Mudline elevations determined from leadline measurements and Site tide gage levels

[DRAFT] Soil Boring Log

LDW21-GT53A-GB

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 190178.63 E/LONG: 1278593.074	Total Depth (ft): 30
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 2.5
Collection Date: 08.05.21		Surface Elevation (ft): 2.5
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Garrett Timm	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp
 Elevation estimated using proposed location base map, no depth to mudline reported

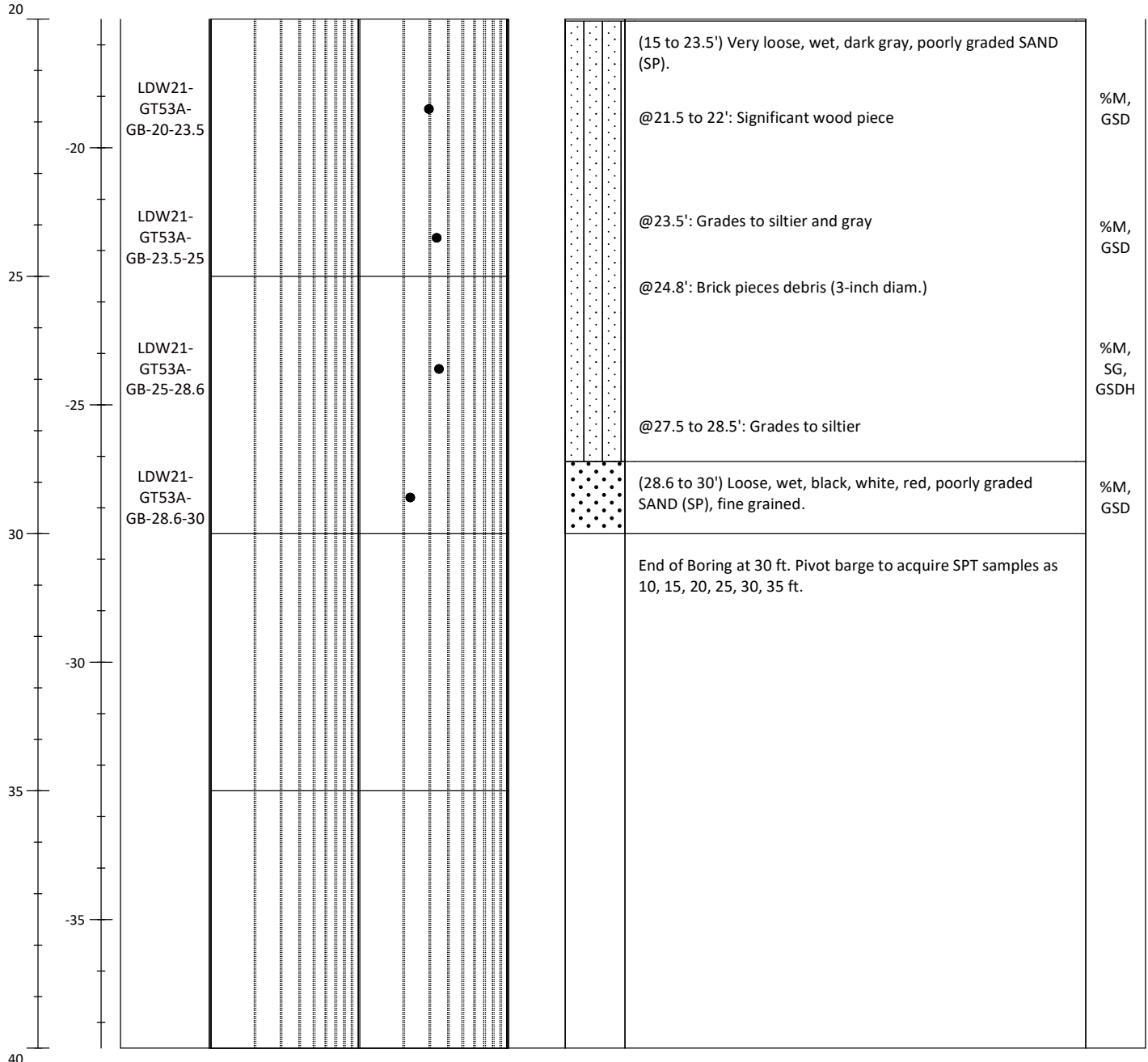
[DRAFT] Soil Boring Log

LDW21-GT53A-GB

Sheet 2 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 190178.63 E/LONG: 1278593.074	Total Depth (ft): 30
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 2.5
Collection Date: 08.05.21		Surface Elevation (ft): 2.5
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Garrett Timm	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description	Lab Test
			1	2	5	10	20	50			100	



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp
 Elevation estimated using proposed location base map, no depth to mudline reported

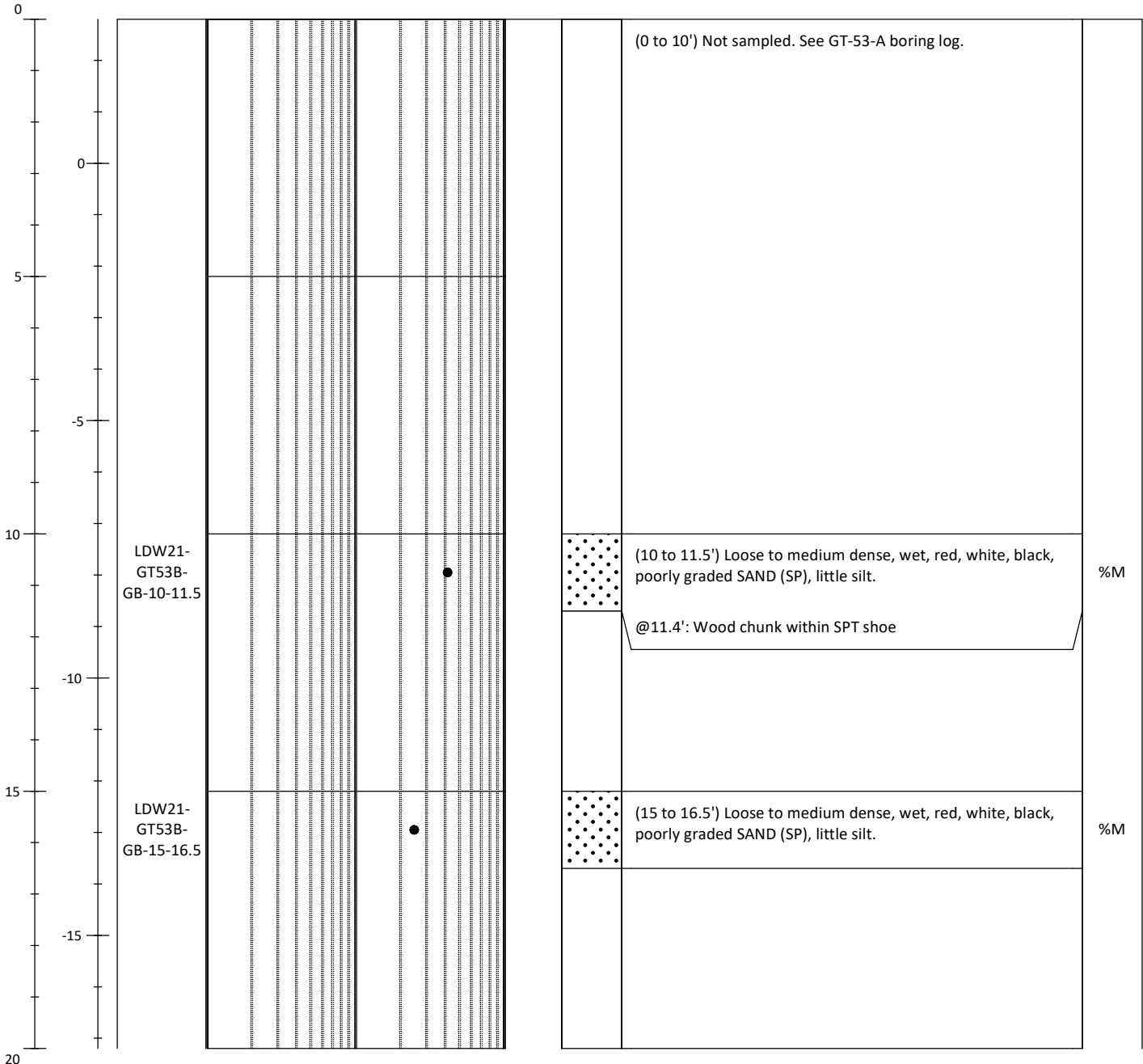
[DRAFT] Soil Boring Log

LDW21-GT53B-GB

Sheet 1 of 2

Project #: 180067-02.03	Project: LDW Upper Reach Phase II Investigation	Method: Rotary Sonic
Location: Seattle, WA	N/LAT: 190175.401 E/LONG: 1278593.916	Total Depth (ft): 32
Client: Lower Duwamish Waterway Group	Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet	Observed Depth to Mudline (ft): 9.2
Collection Date: 08.05.21		Mudline Elevation (ft): 2.8
Contractor: Holocene Drilling, Inc	Vert. Datum: Mean Lower Low Water (MLLW)	Hammer: 140-lb, 30-in drop, Auto
Logged By: Garrett Timm	Sampler(s): Split Spoon & Shelby Tube Sampler	Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content,SG=Specific Gravity,ATT=Atterberg Limits,GSD=Grainsize Distribution,
 GSDH=Grainsize Distribution+Hydrometer,1-D: One-dimensional Consolidation,CU=Unconsolidated Comp
 Mudline elevations determined from leadline measurements and Site tide gage levels
 Depth to mudline at this location determined using reading at LDW21-GT53-A & tide stage difference

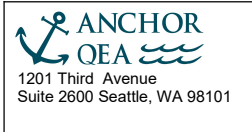
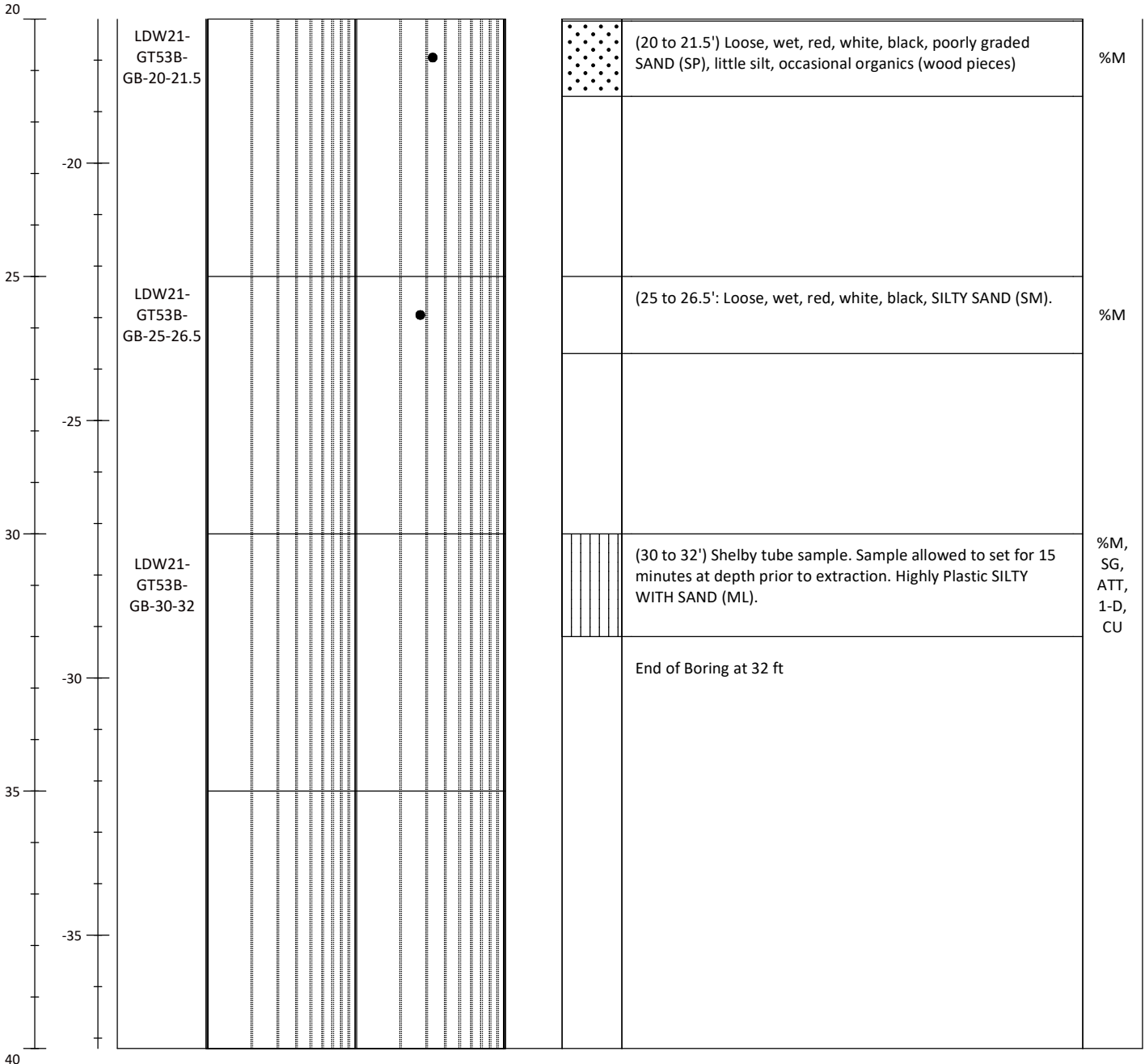
[DRAFT] Soil Boring Log

LDW21-GT53B-GB

Sheet 2 of 2

Project #: 180067-02.03		Project: LDW Upper Reach Phase II Investigation		Method: Rotary Sonic
Location: Seattle, WA		N/LAT: 190175.401 E/LONG: 1278593.916		Total Depth (ft): 32
Client: Lower Duwamish Waterway Group		Horiz. Datum: Washington State Plane Coordinate North North American Datum of 1983, U.S. Feet		Observed Depth to Mudline (ft): 9.2
Collection Date: 08.05.21				Mudline Elevation (ft): 2.8
Contractor: Holocene Drilling, Inc		Vert. Datum: Mean Lower Low Water (MLLW)		Hammer: 140-lb, 30-in drop, Auto
Logged By: Garrett Timm		Sampler(s): Split Spoon & Shelby Tube Sampler		Hammer Efficiency (%): 99

Depth (ft)	Elevation (ft)	Sample ID	Uncorrected Standard Penetration Resistance (blows per foot) and Moisture Content (%)						Other	Lithology	Soil Description Samples and descriptions are in recovered depths. Classification scheme: USCS	Lab Test
			1	2	5	10	20	50				



- ▲ SPT N-Value
- Moisture Content (%)

Notes:
 %M=Percent Moisture Content, SG=Specific Gravity, ATT=Atterberg Limits, GSD=Grainsize Distribution, GSDH=Grainsize Distribution+Hydrometer, 1-D: One-dimensional Consolidation, CU=Unconsolidated Comp
 Mudline elevations determined from leadline measurements and Site tide gage levels
 Depth to mudline at this location determined using reading at LDW21-GT53-A & tide stage difference