WSDOT LOG OF BORING DP-1-21

Project: SR 112 Vicinity MP 16.33 Embankment Failure		*Job Number:* XL6517	*Route & MP Range:* SR 112 MP 16.33 - 16.33
Northing: 475,815.2 feet	*Latitude:* 48.253186 deg.	*Driller/Inspector:* Anderson, Corey (#3312T) / Wilson, Jamie (#2941)	
Easting: 803,539.1 feet	*Longitude:* -124.269658 deg.	*Start Card:* SE80154 AE70156	
Elevation: 36.6 feet	*Collector:* Region Survey	*Drilling Method:* Casing Advancer	*Hole Diam.:* 4 in
Horizontal/Vertical Datum: NAD 83/91 HARN, SPN / NAVD88		*Equipment:* CME 45 (ID:9C4-3)	*Rod Type:* HQ
Started: December 8, 2021	*Completed:* December 9, 2021	*Hammer Type:* Autohammer	*Historic Efficiency:* 85.6%

Moisture Content (%) ✖
Fines Content (%) ○
Penetration Resistance (blows/ft)
Field N ◆ SPT N_{60} ◇

Depth (feet)	Elevation (feet)	Blows/6" (N bpf) and other Field Data	Sample Type	Sample Number	Lab Tests	Material Description	Water Observations	Backfill
	35	2 2 1 (3) Rec=0.0'		D-1		NO RECOVERY		
5	30	2 1 2 (3) Rec=0.5'		D-2	GS, AL	SANDY LEAN CLAY WITH GRAVEL, subangular, very loose, brown, moist, homogeneous.		
		1 1 1 (2) Rec=0.4'		D-3		SANDY SILT, subangular, very loose, brown, wet, homogeneous, with trace gravel.		
10	25	0 1 2 (3) Rec=0.8'		D-4	GS, AL	SANDY SILT, subangular to subrounded, very loose, grayish brown, wet, homogeneous, with trace gravel.	12-09-21	
		5 7 9 (16) Rec=1.3'		D-5	GS, AL, HT, SG	LEAN CLAY, very stiff, grayish brown, moist, homogeneous.		
15	20	5 5 6 (11) Rec=1.0'		D-6	GS, AL, HT, SG	LEAN CLAY, stiff, grayish brown, moist, homogeneous.		
		6 8 9 (17) Rec=0.7'		D-7		WELL-GRADED SAND WITH GRAVEL, subrounded, medium dense, brown, wet, homogeneous.		
20	15	7 6 6 (12) Rec=0.8'		D-8	GS, AL	CLAYEY GRAVEL WITH SAND, subrounded, medium dense, brown, wet, homogeneous.		
25	10	25 19 19 (38) Rec=1.0'		D-9	GS, AL	POORLY GRADED SAND WITH SILT AND GRAVEL, subangular to subrounded, dense, greenish gray, moist, homogeneous.		

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STANDARD BORING LOG XL6517 112 MP 16.33 FAILURE.GPJ 2020 WSDOT GINT TEMPLATE.GDT 1/3/22

CONTINUED NEXT PAGE *(see last page for notes)*

LOG OF BORING DP-1-21

Project: SR 112 Vicinity MP 16.33 Embankment Failure *Job Number:* XL6517 *Route & MP Range:* SR 112 MP 16.33 - 16.33

Depth (feet)	Elevation (feet)	Profile	Moisture Content (%) ✖ Fines Content (%) ○ Penetration Resistance (blows/ft) Field N ◆ SPT N_{60} ◇ (0 20 40 60 80 100)	Blows/6" (N bpf) and other Field Data	Sample Type	Sample Number	Lab Tests	Material Description	Water Observations	Backfill
30			✖ >◇	25 50/5" (REF) Rec=0.9'		D-10	GS, AL, HT, SG	LEAN CLAY, very hard, gray, moist, homogeneous.		

HOLE ENDED AT 30.9 FEET ON 12-9-2021

NOTES:

1. This is a summary log of the boring. Soil/rock descriptions are derived from visual field identifications and laboratory test data (where tested). See exploration log legend for explanation of graphics and abbreviations.
2. The implied accuracy of the location information displayed on this log is typically sub-meter(X,Y) when collected using GPS methods by the Geotechnical Office and sub-centimeter (X,Y,Z) when collected by the Region survey crew.
3. Where oversized samplers were used, a correction was made to the N-value per the AASHTO Manual on Subsurface Investigations, 1988. Blow counts per 6-inch increment have not been corrected.
4. The groundwater level(s), if shown, represents observations made during drilling. The groundwater level should be considered approximate and will vary based on seasonal and other effects.

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