



FIELD BOREHOLE LOG

Well ID: MW-314
Total Depth (ft. bgs): 111

PROJECT: SRI Phase 4

PROJECT NUMBER: 10058697

SITE LOCATION: Perry Road

PROJECT MANAGER: T. Holmes

LOGGED BY: C. Mokri

DATE STARTED: 10/7/19

DATE COMPLETED: 10/8/19

DRILLING CONTRACTOR: Cascade

DRILLER: J. Asua

METHOD/RIG: Sonic TS150CC

HOLE DIAMETER (IN): 6

GROUND SURFACE ELEVATION (NAVD): 305.13

DEPTH TO WATER (ft. btoc): 89.55 on 12/4/2019

BOREHOLE USE: Groundwater Monitoring Well

NOTES: PID measurement indicated where greater than 0. No water used during drilling.

Well installed on 10/8, pad installed on 10/9, and well developed on 10/13.

DEPTH (ft)	U.S.C.S.	GRAPHIC LOG	LAYER DEPTH	MATERIAL DESCRIPTION	Environmental Data PID (ppm)	WELL DIAGRAM
0						Casing Top Elev: 304.68 (ft)
	ML		7.0	SILT, (ML) 5YR 4/4 reddish brown / moderate brown, dry, medium stiff, non plastic, low dry strength, trace fine sand		- Sch 40 PVC Blank Casing
	ML		9.0	SILT, (ML) 2.5YR 4/4 reddish brown, medium stiff, low plasticity, trace clay		
10	ML		11.0	SILT, (ML) 7.5YR 4/3 brown, soft, low plasticity, little clay		
	CL		16.0	LEAN CLAY, (CL) 7.5YR 4/3 brown, moist, soft, medium plasticity, little silt		
	CL		19.0	LEAN CLAY, (CL) 7.5YR 5/4 brown, medium stiff, trace silt		
20	CL		21.0	LEAN CLAY, (CL) 5YR 5/6 yellowish red / light brown, medium stiff, trace silt		
	CH		25.0	FAT CLAY, (CH) 2.5YR 6/4 light reddish brown, moist, soft, high plasticity, trace fine sand		
	CH		28.0	FAT CLAY, (CH) 2.5YR 6/4 light reddish brown, moist, soft, high plasticity, little medium sand		
30	SC		31.0	CLAYEY SAND, (SC) 2.5YR 5/6 red, moist, soft, high plasticity		
	SP		34.0	POORLY GRADED SAND, (SP) 2.5YR 5/8 red, medium grained, moist, dense, with clay		
	SP		38.0	POORLY GRADED SAND, (SP) 10R 4/8 red, medium grained, moist, dense, little clay		- Cement-Bentonite Grout
40	SP		40.0	POORLY GRADED SAND, (SP) 10R 5/8 red, fine to medium grained, moist, loose		
	SP		42.0	POORLY GRADED SAND, (SP) 2.5YR 7/8 light red, fine grained, moist, very loose		
	SP		44.0	POORLY GRADED SAND, (SP) 2.5YR 4/8 red, medium grained, moist, medium dense, with gravel		
	SP		49.0	POORLY GRADED SAND, (SP) 2.5YR 4/8 red, fine to medium grained, moist, loose, weak cementation		
50	GP					

CREATED BY: C. Mokri

CREATED DATE: 10/21/19

CHECKED BY: T. Holmes

CHECKED DATE: 2/28/20



FIELD BOREHOLE LOG


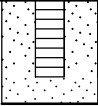

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50	GP		51.0	POORLY GRADED GRAVEL, (GP) 5YR 5/8 yellowish red, subangular, fine to medium grained, loose <i>(continued)</i>		
	SW		52.0			
	SP		53.0	WELL GRADED SAND, (SW) 5YR 6/8 reddish yellow, moist, very loose		
	SP		54.0	POORLY GRADED SAND, (SP) 10YR 7/6 yellow, fine to medium grained, moist, very loose		
	SP			POORLY GRADED SAND, (SP) 10R 5/8 red, fine to medium grained, moist, very loose		
	SW		57.0	POORLY GRADED SAND, (SP) 7.5YR 6/8 reddish yellow, fine to medium grained, moist, very loose, trace gravel		
	CH		59.0	WELL GRADED SAND, (SW) 7.5YR 7/6 reddish yellow, moist, very loose		
60	CH		60.0	FAT CLAY, (CH) 5Y 7/1 light gray, moist, stiff, high plasticity, with fine sand		
	SP		61.0	POORLY GRADED SAND, (SP) 7.5YR 7/1 light gray, fine grained, moist, very loose		
	SP			POORLY GRADED SAND, (SP) 5YR 7/4 pink, fine grained, moist, loose		
	SP		63.0			
	SP			POORLY GRADED SAND, (SP) 7.5YR 5/6 strong brown, fine grained, very dense, moderate cementation		
	SP		65.0			
	SP			POORLY GRADED SAND, (SP) 7.5YR 7/6 reddish yellow, fine grained, moist, very loose		
	SP		67.0			
	SP			POORLY GRADED SAND, (SP) 7.5YR 6/8 reddish yellow, fine grained, moist, very loose		
70			70.0			
	SP			POORLY GRADED SAND, (SP) 7.5YR 8/2 pinkish white, fine grained, moist, very loose		
	SP		75.0			
	SP			POORLY GRADED SAND, (SP) 7.5YR 6/8 reddish yellow, fine grained, moist, very loose		
	SP		78.0			
	SP		79.0	POORLY GRADED SAND, (SP) 7.5YR 8/2 pinkish white, fine grained, moist, very loose		
80	SW		80.0	WELL GRADED SAND, (SW) 10YR 5/6 yellowish brown, very loose, little gravel		
	SW		81.0	WELL GRADED SAND, (SW) 10YR 6/6 brownish yellow / dark yellowish orange, wet, very loose, with gravel		
	CL		82.0			
	SP		83.0	LEAN CLAY, (CL) 10YR 7/2 light gray, moist, medium stiff, medium plasticity		
	SP			POORLY GRADED SAND, (SP) 10YR 7/3 very pale brown, fine to medium grained, wet, very loose		
	SP			POORLY GRADED SAND, (SP) 10YR 8/1 white, fine to medium grained, moist, very loose		
	SP		89.0			
90	SP			POORLY GRADED SAND, (SP) 7.5YR 6/6 reddish yellow, fine to medium grained, moist, very loose		
	SP		92.0			
	SP			POORLY GRADED SAND, (SP) 7.5YR 6/2 pinkish gray, fine to medium grained, wet, loose		
	SP		94.0			
	SP			POORLY GRADED SAND, (SP) 7.5YR 6/2 pinkish gray, fine to medium grained, wet, loose, little gravel		
	SP		99.0			
100	SW			WELL GRADED SAND WITH GRAVEL, (SW) 7.5YR 6/2 pinkish gray, fine to medium grained, wet, loose		
	SW		102.0			
	SW			WELL GRADED SAND, (SW) 7.5YR 6/4 light brown, wet, very loose, little gravel		
	SW		105.0			
	SW			WELL GRADED SAND, (SW) 7.5YR 6/4 light brown, wet, very loose, trace gravel		



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-	SW		109.0	WELL GRADED SAND, (SW) 7.5YR 6/4 light brown, wet, very loose, trace gravel <i>(continued)</i>		
110	GW		111.0	WELL GRADED GRAVEL, (GW) 7.5YR 7/6 reddish yellow, wet, very loose, and fine to coarse sand		

Bottom of borehole at 111.0 feet.