



FIELD BOREHOLE LOG

Well ID: MW-313
Total Depth (ft. bgs): 96

PROJECT: SRI Phase 4
PROJECT NUMBER: 10058697
SITE LOCATION: Golf Course
PROJECT MANAGER: T. Holmes
LOGGED BY: C. Mokri
DATE STARTED: 10/1/19
DATE COMPLETED: 10/2/19

DRILLING CONTRACTOR: Cascade
DRILLER: J. Asua
METHOD/RIG: Sonic TS150CC
HOLE DIAMETER (IN): 6
GROUND SURFACE ELEVATION (NAVD): 282.64
DEPTH TO WATER (ft. btoc): 72.31 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 10/2, pad installed on 10/3, and well developed on 11/1.

DEPTH (ft)	U.S.C.S.	GRAPHIC LOG	LAYER DEPTH	MATERIAL DESCRIPTION	Environmental Data PID (ppm)	WELL DIAGRAM
0						Casing Top Elev: 282.48 (ft)
	ML			SILT, (ML) 7.5YR 5/4 brown, medium stiff, non plastic, low dry strength, trace fine sand		- Sch 40 PVC Blank Casing
			5.0			
	ML		7.0	SILT, (ML) 7.5YR 4/3 brown, dry, stiff, non plastic, low dry strength		
	ML		8.0	SILT, (ML) 7.5YR 6/4 light brown, medium stiff, low plasticity		
10	CL		10.0	LEAN CLAY, (CL) 7.5YR 6/4 light brown, moist, soft, medium plasticity		
	CL		12.0	LEAN CLAY, (CL) 7.5YR 7/3 pink, moist, very soft, medium plasticity		
	CL		14.0	LEAN CLAY, (CL) 7.5YR 7/3 pink, moist, soft, medium plasticity		
	ML			SILT, (ML) 5YR 4/4 reddish brown / moderate brown, soft, low plasticity		
			18.0			
	ML		20.0	SILT, (ML) 5YR 5/4 reddish brown, moist, stiff, low plasticity		
20				CLAYEY SAND, (SC) 5YR 5/8 yellowish red, medium grained, moist, medium stiff, medium plasticity		- Cement-Bentonite Grout
	SC		25.0			
	SC		29.0	CLAYEY SAND, (SC) reddish yellow and gray, fine to medium grained, soft, medium plasticity		
30	SC		31.0	CLAYEY SAND, (SC) reddish yellow and gray, fine to medium grained, very stiff, medium plasticity		
	SC		32.0	CLAYEY SAND, (SC) 2.5YR 5/8 red, moist, soft, high plasticity		
	SP		34.0	POORLY GRADED SAND, (SP) 2.5YR 4/6 red, medium grained, dense, with clay, trace fine gravel, moderate cementation		
	SP		35.0	POORLY GRADED SAND, (SP) 5YR 5/8 yellowish red, fine to medium grained, moist, loose, trace clay		
	SP		37.0	POORLY GRADED SAND, (SP) 7.5YR 7/6 reddish yellow, fine to medium grained, moist, very loose		
	GP		37.3	POORLY GRADED GRAVEL, (GP) fine to medium grained, strong cementation		
40	SP		40.7	POORLY GRADED SAND, (SP) 7.5YR 7/6 reddish yellow, fine to medium grained, moist, very loose, trace fine gravel		
	SC		41.0	CLAYEY SAND, (SC) 2.5YR 3/6 dark red, medium grained, medium stiff, medium plasticity		
	SP		44.0	POORLY GRADED SAND, (SP) 7.5YR 7/6 reddish yellow, fine to medium grained, very loose, little fine gravel		
	SP		46.0	POORLY GRADED SAND, (SP) 7.5YR 7/2 pinkish gray, fine to medium grained, dry, very loose		
	SW		48.0	WELL GRADED SAND, (SW) 7.5YR 7/8 reddish yellow, medium grained, moist, very loose		
50	SP		49.0	POORLY GRADED SAND, (SP) 7.5YR 7/8 reddish yellow, fine to medium grained, moist, very loose		
	SW					

CREATED BY: C. Mokri
CREATED DATE: 10/21/19

CHECKED BY: T. Holmes
CHECKED DATE: 2/28/20



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50						
-	SW		55.0	WELL GRADED SAND, (SW) 7.5YR 7/6 reddish yellow, moist, very loose, with gravel, trace clay <i>(continued)</i>		
-	SP		59.0	POORLY GRADED SAND, (SP) 7.5YR 6/8 reddish yellow, fine to medium grained, moist, very loose, little gravel		
60	SP		61.0	POORLY GRADED SAND, (SP) 10YR 7/6 yellow, fine grained, moist, very loose		
-	SP		66.0	POORLY GRADED SAND, (SP) 10YR 6/6 brownish yellow / dark yellowish orange, fine to medium grained, moist, loose, little gravel, trace clay		
-	SP		71.0	POORLY GRADED SAND, (SP) 10YR 4/3 brown, fine to medium grained, moist, little gravel		
70	SP		73.0	POORLY GRADED SAND, (SP) 10YR 6/8 brownish yellow, fine to medium grained, wet, very loose		
-	SW		80.0	WELL GRADED SAND, (SW) 10YR 6/6 brownish yellow / dark yellowish orange, wet, very loose, little gravel		
80						
-	SW		96.0	WELL GRADED SAND, (SW) 5YR 6/8 reddish yellow, wet, very loose, little gravel		
90						

- Bentonite
Chips- #10-20 Filter
Sand
- Sch 40 PVC
0.010 Slotted
Screen

Bottom of borehole at 96.0 feet.