

Depth Scale (m)	Lithology	USCS	Sample Type and No.	Recovery/Length (cm)	SPT Blows/15 cm	Casing Depth (m)	Rod Length (m)	Energy Ratio (%)	Description	q _u Pocket Pen (kPa)	s _u Torvane (kPa)	Moisture Content (%)	Liquid Limit	Plasticity Index	% fines < 75 μm	< 5 μm (%)	< 2 μm (%)	D ₅₀ (mm)	D ₁₀ (mm)	Remarks
0									Fill: Pavement, gravel, dark gray silty clay with sand and black organic fragments											
1	CL	S-4-13-1	26/45	2-2-2	0.95	4.27				80	60	32	39	19	87	48	41	0.006	<1μm	
2	SM	S-4-13-2	34/45	2-4-4	1.95	5.80			SAND AND SILT: Brown with red oxidized points, silty fine sand to low plasticity sandy silt	40		29	-	-	43	<20%	<15%	0.080	<1μm	
3	ML CL	S-4-13-3A S-4-13-3B	45/45	1-0-2	2.95	7.32			SILTY CLAY: Light brown with red oxidation points, silty clay with traces of fine sand	75	23	30 37	22 41	- 18	57 96	18 40	15 33	0.054 0.008	<2μm <1μm	
4	CH CL	S-4-13-4A S-4-13-4B	42/45	2-1-3	3.95	7.32				80	41	39 36	54 40	32 21	95 83	57 38	45 30	0.003 0.013	<1μm <1μm	
5	ML	S-4-13-5	33/45	3-4-5	4.95	8.84			ML: Brown to gray interbedded strata of low plasticity silt with traces of fine sand to silt with sand and sandy silt	290	55	29	33	-	91	27	22	0.022	<1μm	
6	ML	S-4-13-6	31/45	6-4-6	5.95	10.37				130	31	27	-	-	58	12	11	0.062	<2μm	
7	ML	S-4-13-7	39/45	2-3-6	6.95	10.37						32	30	-	93	25	20	0.019	<1μm	
8	ml ML	S-4-13-8A S-4-13-8B	42/45	2-4-4	7.85	11.89				125	32	45 31	- 26	- -	89 74	35 22	30 16	0.013 0.028	<1μm <2μm	
9	ML	S-4-13-9	34/45	3-4-3	8.75	13.42			SAND: Gray silty sand grading to fine to medium sand with silt	140	39	39	39	-	100	42	34	0.008	<1μm	
10	SP-SM	S-4-13-10	46/45	4-13-20	9.75	13.42				60		17	-	-	7	-	-	0.32	0.086	

Legend

S: Spit Spoon (SPT) SH: Shelby tube * Estimated Energy Ratio