

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 <sub>u</sub> Pocket Pen (kPa)	s <sub>u</sub> Torvane (kPa)	Moisture Content (%)	Liquid Limit	Plasticity Index	% fines < 75 μm	< 5 μm (%)	< 2 μm (%)	D <sub>50</sub> (mm)	D <sub>10</sub> (mm)	Remarks
0									FILL: Asphalt, pavement and fill on Yakin Street											
1																				
1.65	CL/ML	SH-A4-1A	SH-A4-1A	39/42	-	1.2	-	-	CL: Low to high plasticity, brown silty clay to clayey silt with traces of fine sand. Soil is highly inhomogeneous, showing variable FC	75	41	24	34	11	80	35	24	0.017	<2μm	Shear Vane @ 1.65 m. Peak = 16 kPa, Residual = 4 kPa
1.75	CL/ML	SH-A4-1B	SH-A4-1B	-	-	1.2	-	-		75	41	33	42	17	94	45	34	0.006	<2μm	
2.45	CL	SH-A4-2	SH-A4-2	33/42	-	1.2	-	-		60	32	35	48	24	99	32	25	0.02	<2μm	Shear Vane @ 2.45 m. Peak = 29 kPa, Residual = 9 kPa
3.45	-	SH-A4-3	SH-A4-3	41/42	-	1.2	-	-		70	26	-	-	-	-	-	-	-	-	Shear Vane @ 3.45 m. Peak = 15 kPa, Residual = 5 kPa
4.45	ML	S-A4-4	S-A4-4	30/45	3-3-3	4.05	7.32	51	ML: Brown low plasticity silt with traces of fine sand	-	-	32	36	10	97	24	18	0.017	<2μm	
4.95	CL/MH	S-A4-5	S-A4-5	28/45	3-1-2	4.95	8.84	53	CL: Low to high plasticity gray silty clay to clayey silt with traces of fine sand	75	27	39	49	22	98	56	42	0.004	<2μm	
6.45	CL	S-A4-6	S-A4-6	-	6-5-11	6.45	10.37	59		-	-	37	38	14	92	43	37	0.007	<2μm	Initially no sample was recovered at a depth of 6.5 m. In a second attempt, a sample was obtained at 6.6 m with the aid of a sand catcher.
7.95	ML	S-A4-7	S-A4-7	33/45	11-12-17	7.95	11.89	60	SANDY SILT: Gray low plasticity sandy silt	440	-	25	25	-	66	35	32	0.018	<2μm	
9.45	SP-SM	S-A4-8	S-A4-8	40/45	24-38-36	9.45	12.82	-	SAND: Gray poorly to well graded sand with silt. 22% gravel content in S-A4-9, very low (< 5%) in other samples.	-	-	18	-	-	8	-	-	0.3	0.185	

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12	SW-SM	S-A4-9	39/45	14-18-20	10.95	14.94	54			-	-	17	-	-	10	-	-	0.61	0.074	
13	SP-SM	S-A4-10	33/45	14-17-18	12.45	16.46	62			-	-	16	-	-	7	-	-	0.5	0.1	
14									CH: Gray, high plasticity stiff clay.											
15	CH	S-A4-11	26/45	4-4-7	14.95	17.92	62			250	53	37	69	45	100	86	73	<2 $\mu$ m	<2 $\mu$ m	BW rods were used for the SPT at 15 m