

EL-59.6

SM. 997+40
INV. 39.98'

E1 + 5'

Project: Sims Bayou

SUMMARY OF LABORATORY TEST RESULTS

Houston, Texas

Contract No. DACW64-95-D-0007 Delivery Order No. 0005

Boring No. 96-5

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	M c (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	L L (%)	P L (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0 - 2	1.25		Clay, w/roots, Stiff, Dark gray	CH	23.6											
2	2 - 4	1.25		Clay, Stiff, Dark gray	CH	26.6	92.5	117.1									
3	4 - 6	1.25		Clay, w/calcareous nodules & ferrous stains, Stiff, Gray	CH	20.9	102.9	124.4	54.0	22.0							1.27
4	6 - 8	1.50		Silty Clay, w/sand seams calcareous & ferrous nodules, Stiff, Gray	CL	16.6					98.4	98.4	96.9	92.3	90.2		
5	8 - 10	1.25		Clay, w/calcareous nodules & ferrous stains, Slickensided, Stiff, Gray & Yellowish gray	CH	17.0	112		43	12	2		8				
6	10 - 12	1.50		Clay, w/calcareous nodules & ferrous stains, Slickensided, Stiff, Gray & Yellowish gray	CH	19.0	111.0		45	12							
7	12 - 14	1.25		Silty Clay, w/ferrous stains & sand seams, Stiff, Gray & Yellowish gray	CL	19.7	104.6	125.2	30.0	16.0	100.0	100.0	100.0	92.6	89.6		
8	14 - 16	1.00		Silty Clay, w/ferrous stains & sand seams, Stiff, Gray & Yellowish gray	CL	19.4											
9	16 - 18			Sandy Silt, Loose, Brown & Gray	ML												100 -31.7 68.7
10	18-19.5		9	Silty Sand, Loose, Brown	SM						100.0	100.0	100.0	85.3	31.3		31.7
11	23-24.5		16	Silty Sand, Medium dense, Brown	SM												
12	28-30			Silty Sand, Medium dense, Brown	SM						100.0	98.7	97.6	86.3	46.4		
13	30-31.5		32	Silty Sand, Dense, Brown	SM												
14	35-36.5		36	Silty Sand, Dense, Brown	SM						100.0	99.8	99.3	87.9	37.4		
15	36.5-38	2.50		Silty Clay, w/Ferrous stains & sand seams, Very stiff, Gray	CL	16.1	111.0	128.9			100.0	100.0	99.8	98.3	94.3		
16	38-40	4.50+		Silty Clay, w/ferrous stains & sand seams, Hard, Gray & Yellowish gray	CL	16.1											
17	40-42	4.50+		Silty Clay, w/calcareous nodules Ferrous stains & sand seams, Hard, Gray & Yellowish gray	CL	18.2											
18	42-44	4.50+		Silty Clay, w/calcareous nodules Ferrous stains & sand seams, Hard, Gray & Yellowish gray	CL	18.8											

S #: Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content

q u : Uncogined Compressive Strength, W O H : Weight of hammer, W O P : Weight of Pipe