Project : Pelican Island Disposal Area
Galveston, Texas
Contract No. DACW64-92-D-0005 Delivery order No. 0023

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 93-205

251+20
43

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 #4	#10	#40	#100	#200	Torvane Shear Strength (tsf)	q u (tsf)
1	0 - 2	0.25		Gray,Clay,Soft,w/organic material	CH	44.6										0.14	
2	2 - 4	0.25		Gray,Clay,Soft,w/organic material&hydrocarbon	CH	54.7										0.13	
3	4 - 6	0.25		Gray,Clay,Soft,w/organic material&hydrocarbon	CH	59.0	65.0	103.3	108	39	100.0	100.0	99.9	99.4	98.8	0.13	0.27
4	6 - 8	0.25		Gray,Clay,Soft,w/organic material	CH	57.7										0.14	
5	8 - 10	0.00		Gray,Clay,Very soft,w/organic material	CH	67.9	59.0	99.0								0.06	0.11
6	10 - 12	0.00		Gray,Clay,Very soft,w/organic material	CH	66.3										0.05	
7	12 - 14	0.25		Gray,Clay,Soft,w/organic material	CH	53.7										0.13	
8	14 -16	0.25		Gray,Clay,Soft,w/organic material	CH	60.1	62.7	100.4	96	33	100.0	100.0	99.8	99.4	98.8	0.13	0.26
9	16 - 18	0.25		Dark grayray,Clay,Soft,w/organic material& hydrocarbon	CH	57.1										0.12	
10	18 - 20			Gray,Sand,Medium dense,Silty,w/shell fragments	SM												
11	20 - 21.5			Gray,Sand,Medium dense,Silty,w/shell fragments	SM												
12	25 - 27	0.25		Gray,Clay,Soft,w/organic material&hydrocarbon	CH	54.6										0.13	
13	27 - 29	0.00		Gray,Clay,Very soft,w/organic material&hydro-carbon	CH	65.0	59.4	98.0								0.07	0.16
14	29 - 31	0.00		Gray,Clay,Soft,w/sand pockets&shell fragments	CH	36.3										0.06	
15	31 - 33	0.25		Gray,Clay,Soft,w/sand seams&shell fragments	CH	41.1	78.3	110.6	69	26	100.0	100.0	98.8	95.4	91.3	0.14	0.27
16	33 - 35	0.25		Gray,Clay,Soft,w/sand pockets,sand seams&shell fragments	CH	29.5										0.13	
17	35 - 37	0.25		Gray,Clay,Soft,w/sand pockets,sand seams&shell fragments	CH	35.6										0.14	

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content
q u : Unconfined Compressive Strength, W O H : Weight of hammer, W O P : Weight of pipe

Geotest Engineering, Inc.

Project : Pelican Island Disposal Area
Galveston, Texas
Contract No. DACW64-92-D-0005 Delivery order No. 0023

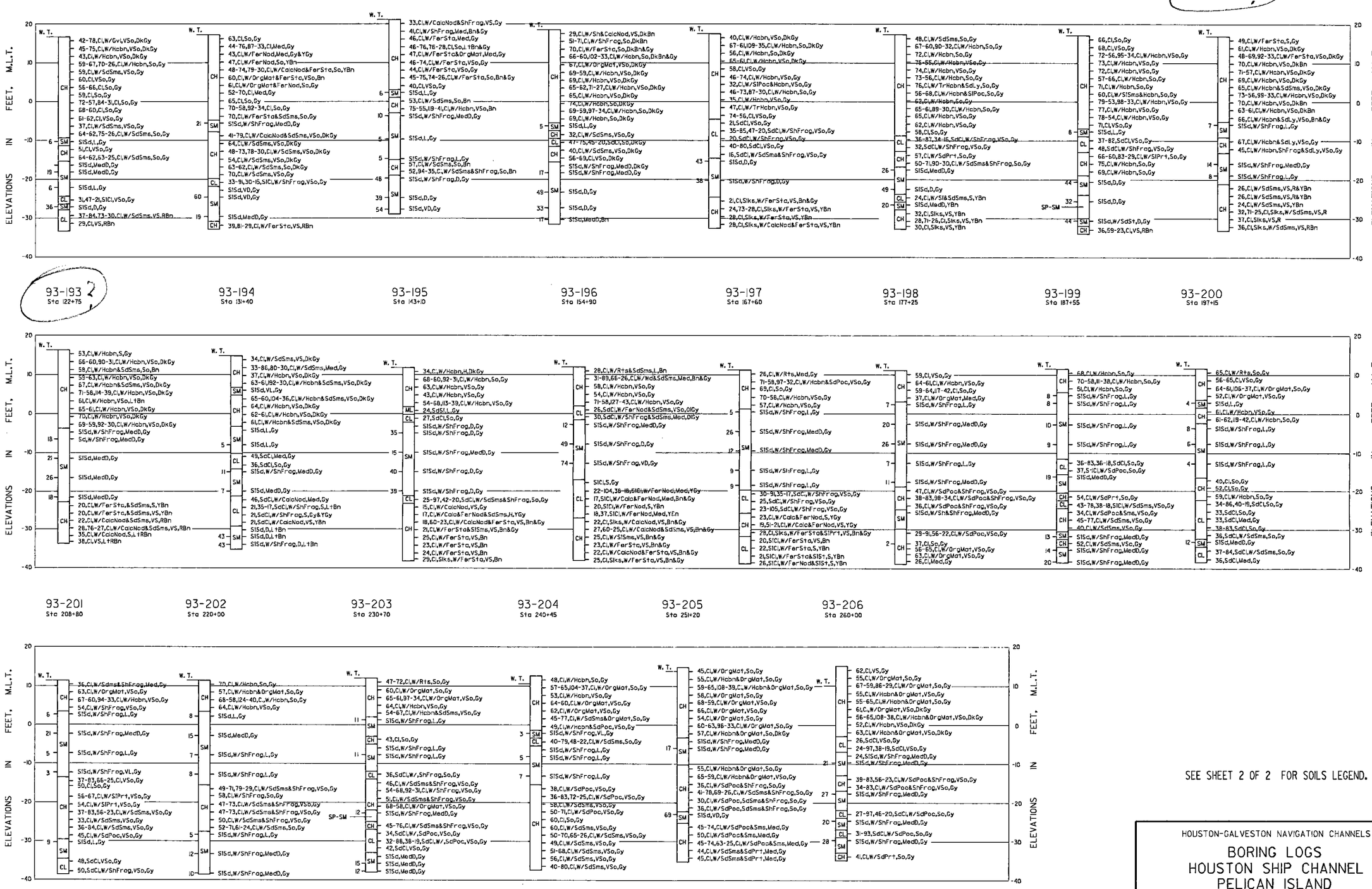
SUMMARY OF LABORATORY TEST RESULTS

Boring No. 93-205

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 #4	#10	#40	#100	#200	Torvane Shear Strength (tsf)	q u (tsf)
18	37 - 38.5		69	Gray,Sand,Very Dense,Silty	SM												
19	40 - 42	0.75		Gray,Clay,Medium stiff,w/sand seams&sand pockets	CH	45.3	73.9	107.4								0.35	0.63
20	42 - 44	0.50		Gray,Clay,Medium stiff,w/sand seams&sand pockets	CH	50.2										0.30	
21	44 - 46	0.50		Gray,Clay,Medium stiff,w/sand seams&sand pockets	CH	44.6	73.8	106.7	63	25	100.0	100.0	99.3	95.7	93.1	0.30	0.65
22	46 - 48	0.50		Gray,Clay,Medium stiff,w/sand seams&sand parting	CH	43.8										0.30	
23	48 - 50	0.50		Gray,Clay,Medium stiff,w/sand seams and sand parting	CH	45.0										0.30	

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content
q u : Unconfined Compressive Strength, W O H : Weight of hammer, W O P : Weight of pipe

Geotest Engineering, Inc.



SEE SHEET 2 OF 2 FOR SOILS LEGEND.

HOUSTON-GALVESTON NAVIGATION CHANNELS

BORING LOGS
HOUSTON SHIP CHANNEL
PELICAN ISLAND

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

SHEET 1 OF 2

EXHIBIT F-

Bor. No.	Elev	Depth	Y/So	So.	MED.	ST./X/ST.
93-204	9.65	2'-4' (12.65)		260		
	6.65	6'-8'	130			
	1.65	10'-12'		260		
	-4.35	16'-18'		280		
	-18.35	30'-32'	200			
	-20.35	34'-36'	150			
	-28.35	40'-42'	230			
	-32.35	44'-46'	220			
	-36.35	48'-50'	210			
93-205	10'	4'-6' (~~14.8~~ 15)		270		
	7'	8'-10'	110			
	0'	14'-16'		260		
	-13'	27'-29	160			
	-17'	31'-33'	270			
	-26'	40-42'			630	
	-30'	44'-46'			650	
93-206	10'	4'-6' (15.15)		300		
	6'	8'-10'		290		
	2'	12-14'	160			
	-6'	20-22'	130			
	-16'	30-32'	180			
	-23'	37-39'		330		
	-28	42-44'		330		