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

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 93-204

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/hydrocarbon	CH	48.4										0.14	
2	2 - 4	0.25		Gray,Clay,Soft,w/organic material	CH	56.7	65.3	102.3	104	37	100.0	100.0	99.5	99.3	98.4	0.13	0.26
3	4 - 6	0.00		Gray,Clay,Very soft,w/hydroncarbon	CH	53.2										0.08	
4	6 - 8	0.00		Gray,Clay,Very soft,w/organic material	CH	64.3	59.5	97.7								0.06	0.13
5	8 - 10	0.00		Gray,Clay,Very soft,w/organic material	CH	62.1										0.07	
6	10 - 12	0.25		Gray,Clay,Soft,w/organic material&sand seams	CH	44.9	76.5	110.9								0.13	0.26
7	12 - 14	0.00		Gray,Clay,Very soft,w/hydrocarbon&sand pockets	CH	49.2										0.08	
8	14 -15.5		3	Gray,Sand,Very loose,Silty,w/shell fragments	SM												
9	16 - 18	0.25		Gray,Clay,Soft,Silty,w/sand seams	CH	40.1	79.3	111.0	48	22	100.0	99.1	98.6	96.5	95.5	0.13	0.28
10	18 - 20			Gray,Sand,Loose,Silty,w/shell fragments	SM												
11	20 - 21.5		5	Gray,Sand,Loose,Silty,w/shell fragments	SM						99.2	96.5	91.6	70.2	22.5		
12	25 - 26.5		7	Gray,Sand,Loose,Silty,w/shell fragments	SM												
13	28 - 30	0.00		Gray,Clay,Very soft,w/sand pockets	CH	38.4										0.09	
14	30 - 32	0.00		Gray,Clay,Very soft,w/sand pockets	CH	35.9	83.4	113.3	72	25	100.0	100.0	99.1	98.7	96.5	0.09	0.20
15	32 - 34	0.00		Gray,Clay,Very soft,w/sand seams	CH	57.8										0.08	
16	34 - 36	0.00		Gray,Clay,Very soft,w/sand pockets	CH	49.5	70.8	105.9								0.08	0.15
17	36 - 37.5	0.25	3	Gray,Clay,Soft	CH	59.7											

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

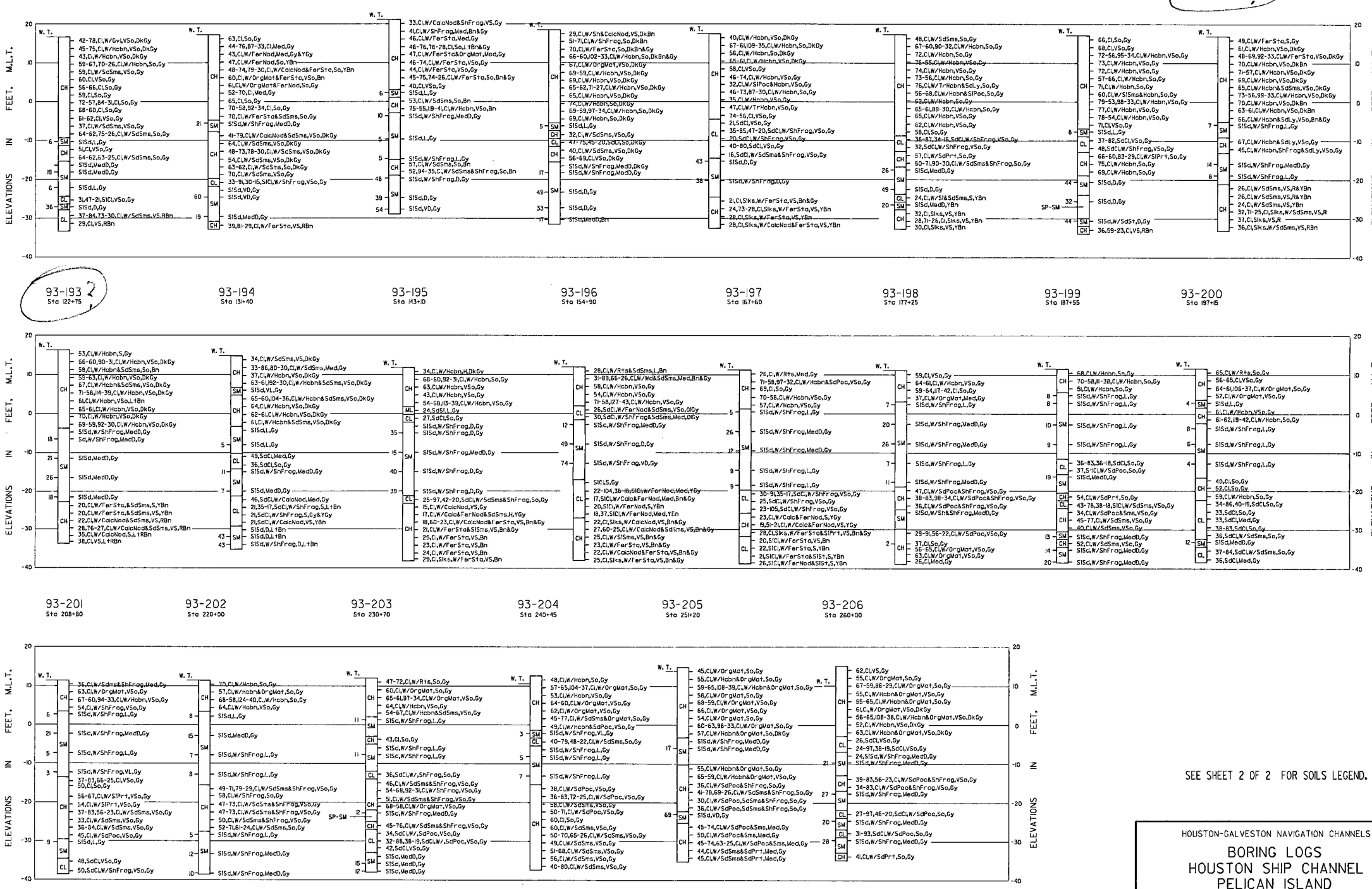
SUMMARY OF LABORATORY TEST RESULTS

Boring No. 93-204

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	38 - 40	0.00		Gray,Clay,Very soft,w/sand seams	CH	59.7										0.09	
19	40 - 42	0.00		Gray,Clay,Very soft,w/sand seams	CH	49.7	69.6	104.2	65	26	100.0	100.0	99.5	99.0	97.9	0.11	0.23
20	42 - 44	0.00		Gray,Clay,Very soft,w/sand seams	CH	49.3										0.10	
21	44 - 46	0.00		Gray,Clay,Very soft,w/sand seams	CH	50.5	68.4	102.9								0.11	0.22
22	46 - 48	0.00		Gray,Clay,Very soft,w/sand seams	CH	56.2										0.10	
23	48 - 50	0.00		Gray,Clay,Very soft,w/sand seams	CH	40.2	80.0	112.2								0.10	0.21

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		