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

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 93-199

Sta. 187+55
@ 11.52

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	67.8										0.13	
2	2 - 4	0.25		Gray,Clay,Soft,w/hydrocarbon	CH	69.8	58.0	98.5	111	38	100.0	100.0	99.6	99.1	98.8	0.17	0.33
3	4 - 6	0.25		Gray,Clay,Soft,w/hydrocarbon	CH	51.1										0.18	
4	6 - 7.5		8	Gray,Sand,Loose,Silty,w/shell fragments	SM												
5	8 - 9.5		8	Gray,Sand,Loose,Silty,w/shell fragments	SM												
6	13.5 - 15		10	Gray,Sand,Medium dense,Silty,w/shell fragments	SM												
7	18.5 - 20		9	Gray,Sand,Loose,Silty,w/shell fragments	SM						99.1	98.4	95.7	60.1	18.5		
8	23 - 25	0.25		Gray,Clay,Soft,Sandy	CL	35.6	83.0	112.6	36	18	100.0	100.0	97.6	90.1	78.5	0.15	0.29
9	25 - 27	0.25		Gray,Clay,Soft,Sandy,w/sand pockets	CL	36.8										0.13	
10	27 - 28.5		19	Gray,Sand,Medium dense,Silty	SM												
11	32 - 34	0.25		Gray,Clay,Soft,w/sand parting	CH	53.5										0.14	
12	34 - 36	0.00		Gray,Clay,Very soft,Silty,w/sand seams	CL	43.4	77.6	111.3	38	18	100.0	99.4	98.4	96.1	93.0	0.08	0.17
13	36 - 38	0.00		Gray,Clay,Very soft,w/sand pockets&sand seams	CH	34.1										0.07	
14	38 - 40	0.00		Gray,Clay,Very soft,w/sand seams	CH	45.3	77.0	111.9								0.09	0.18
15	40 - 42	0.00		Gray,Clay,Very soft,w/sand seams	CH	39.9										0.08	
16	42.5 - 44		13	Gray,Sand,Medium dense,Silty,w/shell fragments	SM												
17	44 - 46	0.00		Gray,Clay,Very soft,w/sand seams	CH	52.1										0.07	

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

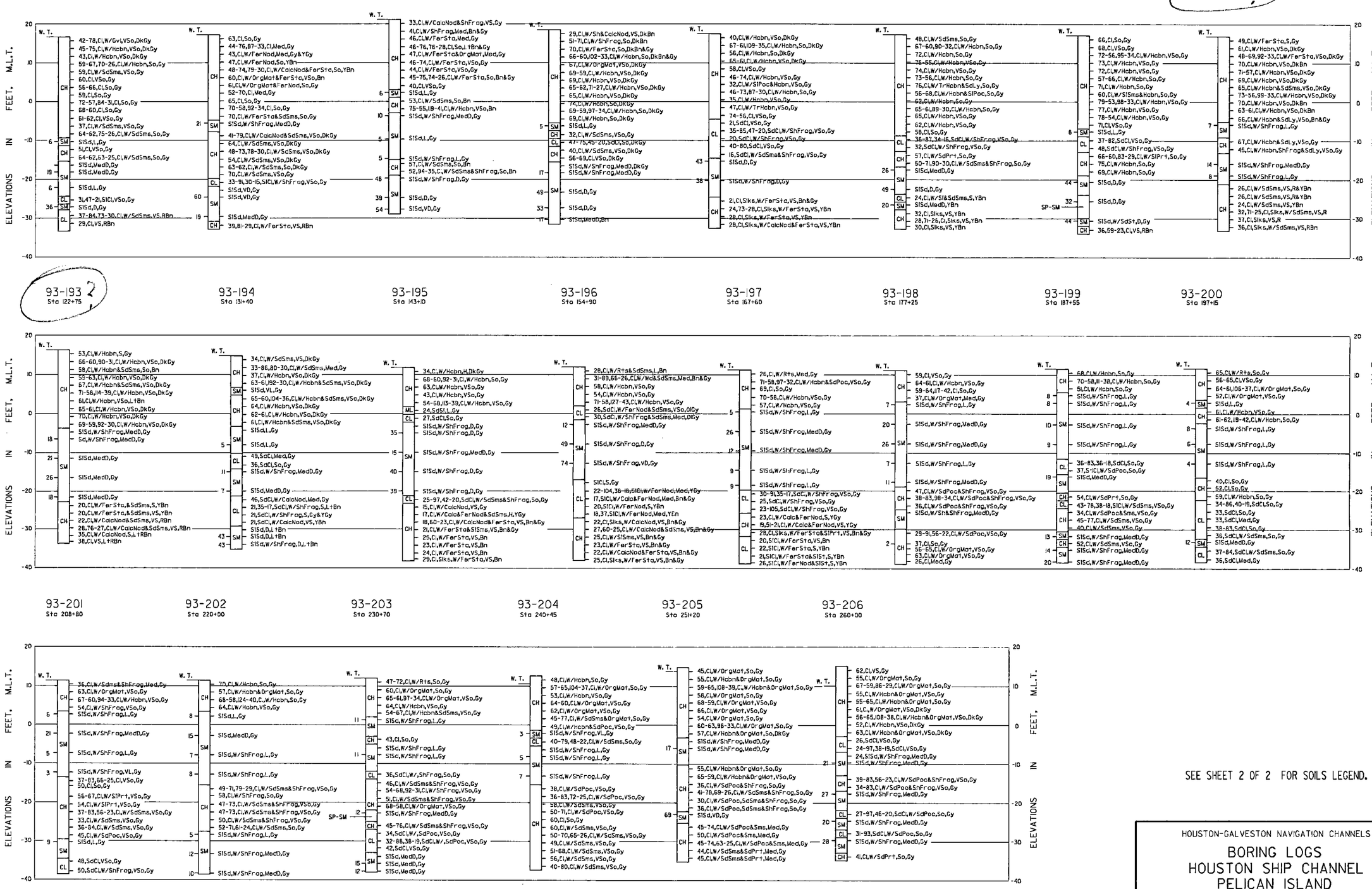
SUMMARY OF LABORATORY TEST RESULTS

Boring No. 93-199

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	46 - 47.5		14	Gray,Sand,Medium dense,Silty,w/shell fragments	SM												
19	49.5 - 50		20	Gray,Sand,Medium dense,Silty,w/shell fragments	SM												

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-

Boring No. EL.	Depth	Top EL.	V/So	So	ED.	ST.
93-199: +8.5'	2'-4'	(11.52)		330		
-12.5	23-25'			290		
-23.5	34'-36'		170			
-27.5	38'-40'		180			
93-200: 9'	2'-4'	(11.65)	210			
7'	4'-6'			290		
-1'	12'-14'			290		
-23'	34'-36'			310		
-29'	40'-42'			290		
-35	46'-48'			270		
93-201: +6.5'	4-6'	(11.45	160			
-14.5	25'-27'		150			
-22.5	33-35'		180			
-26.5	37'-39'		200			
3-202 6.5	4'-6'	(11.46)		250		
-16.5	27-29'		160			
-20.5	31'-33'		210			
-22.5	33-35'		200			
-26.5	37'-39'			260		
93-203: 7'	4'-6	(12.04)	160			
3'	8'-10'		190			
-17'	28'-30'		140			
-21	32'-34'		170			