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

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 93-200

197+45
11.65

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/roots	CH	64.5										0.13	
2	2 - 4	0.00		Gray,Clay,Very soft	CH	56.3	65.0	101.6								0.10	0.21
3	4 - 6	0.25		Gray,Clay,Soft,w/organic material	CH	63.9	60.7	99.5	106	37	100.0	100.0	99.6	99.2	98.6	0.13	0.29
4	6 - 8	0.00		Gray,Clay,Very soft,w/organic material	CH	52.4										0.06	
5	8-9.5		4	Gray,Sand,Loose,Silty	SM												
6	10 - 12	0.00		Gray,Clay,Very soft,w/hydrocarbons	CH	61.4										0.09	
7	12 - 14	0.25		Gray,Clay,Soft,w/hydrocarbon	CH	60.9	62.4	100.4	119	42	100.0	100.0	99.6	99.1	98.3	0.13	0.29
8	14.5-16		8	Gray,Sand,Loose,Silty,w/shell fragments	SM						99.8	99.7	99.1	85.8	43.5		
9	18.5-20		6	Gray,Sand,Loose,Silty,w/shell fragments	SM												
10	23.5-25		4	Gray,Sand,Loose,Silty,w/shell fragments	SM												
11	28-29.5	0.25	3	Gray,Clay,Soft	CH	40.4											
12	30-31.5	0.25	4	Gray,Clay,Soft	CH	52.1											
13	32-34	0.25		Gray,Clay,Soft,w/hydrocarbon	CH	58.6										0.13	
14	34-36	0.25		Gray,Clay,Soft,Sandy	CL	33.8	85.6	114.5	40	19	100.0	100.0	99.0	89.8	75.3	0.14	0.31
15	36-38	0.25		Gray,Clay,Soft,Sandy	CL	32.9										0.14	
16	38-39.5	0.50	7	Gray,Clay,Medium stiff,Sandy	CL	32.7											
17	40-42	0.25		Gray,Clay,Soft,Sandy	CL	38.2	82.7	114.6								0.13	0.29

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

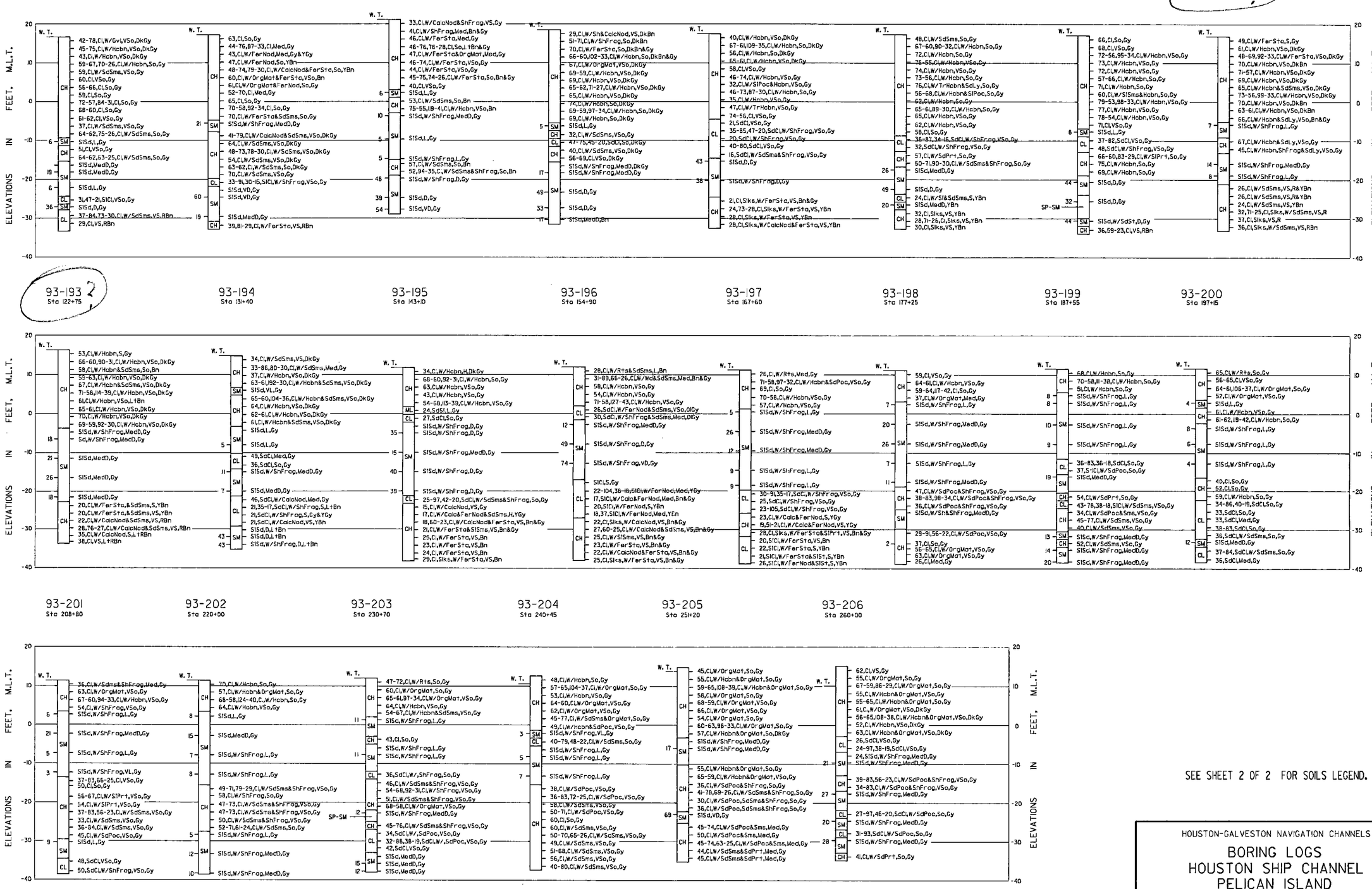
SUMMARY OF LABORATORY TEST RESULTS

Boring No. 93-200

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	42 - 44	0.25	1	Gray,Clay,Soft,Sandy,w/sand seams	C L	35.5										0.14	
19	44 - 45.5		12	Gray,Sand,Medium dense,Silty	S M						94.3*	93.4*	92.9	75.1	19.9		
20	46 - 48	0.25	1	Gray,Clay,Soft,Sandy,w/sand seams	C L	37.0	83.6	114.6								0.13	0.27
21	48.5 - 50	0.75	11	Gray,Clay,Medium stiff,Sandy	C L	36.2											

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
* : Material Retained are shell fragments

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			