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

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 93-191

+17.L

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	CH	66.1										0.15	
2	2 - 4	0.00		Gray,Clay,Very soft	CH	68.0										0.10	
3	4 - 6	0.00		Gray,Clay,Very soft,w/hydrocarbon	CH	71.6	56.0	96.1	95	34	100.0	100.0	100.0	99.6	99.1	0.10	0.22
4	6 - 8	0.00		Gray,Clay,Very soft,w/hydrocarbon	CH	72.7										0.07	
5	8 - 10	0.00		Gray,Clay,Very soft,w/hydrocarbon	CH	72.3										0.06	
6	10 - 12	0.25		Gray,Clay,Soft,w/hydrocarbon	CH	56.6	66.4	104.0								0.13	0.28
7	12 - 14	0.25		Gray,Clay,Soft,w/hydrocarbon	CH	71.4										0.13	
8	14 -16	0.25		Gray,Clay,Soft,w/silt seams&hydrocarbon	CH	60.0										0.14	
9	16 - 18	0.00		Gray,Clay,Very soft,w/hydrocarbon	CH	78.8	53.2	95.2	98	33	100.0	100.0	100.0	100.0	100.0	0.07	0.14
10	18 - 20	0.00		Gray,Clay,Very soft,w/hydrocarbon	CH	77.2										0.06	
11	20 - 22	0.00		Gray,Clay,Very soft,w/hydrocarbon	CH	78.2	54.3	96.8								0.07	0.14
12	22 - 24	0.00		Gray,Clay,Very soft	CH	71.0										0.06	
13	24 - 25.5		8	Gray,Sand,Loose,Silty	SM						100.0	100.0	99.6	84.7	29.1		
14	26 - 28	0.00		Gray,Clay,Very soft,Sandy,	CL	36.7	81.5	111.4								0.06	0.13
15	28 - 30	0.00		Gray,Clay,Very soft,Sandy,w/shell fragments	CL	47.7										0.08	
16	30 - 32	0.25		Gray,Clay,Soft,w/silt partings	CH	65.9	59.8	99.2	83	29	100.0	100.0	100.0	99.6	98.9	0.14	0.30
17	32 - 34	0.25		Gray,Clay,Soft,w/hydrocarbon	CH	74.5										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

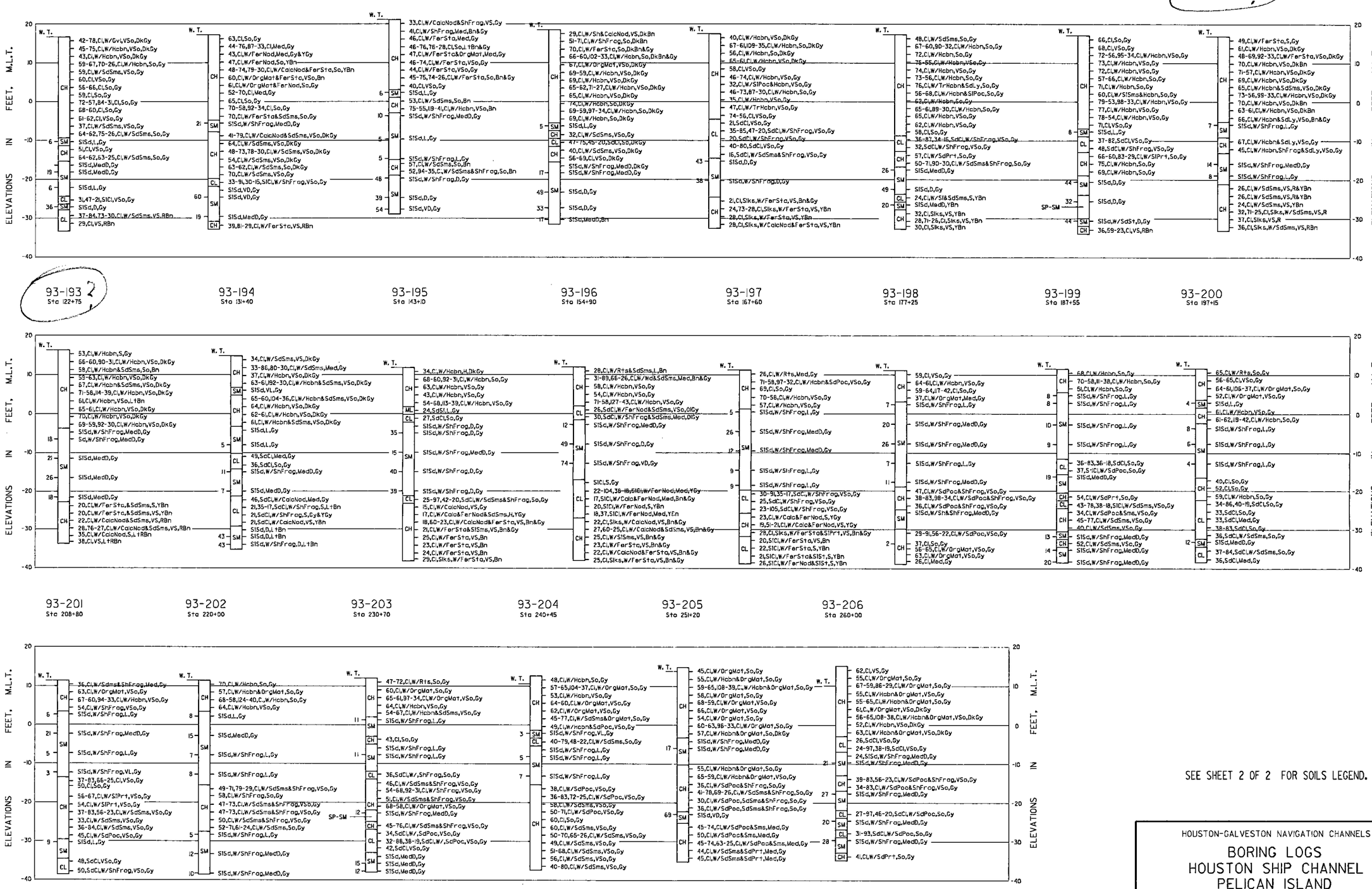
SUMMARY OF LABORATORY TEST RESULTS

Boring No. 93-191

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	34 - 36	0.25		Gray,Clay,Soft,w/hydrocarbon	CH	63.9										0.14	
19	36 - 37.5		44	Gray,Sand,Dense,Silty	SM												
20	41 - 42.5		32	Gray,Sand,Dense,Silty	S P SM						97.8	97.0	96.3	89.1	9.6		
21	46 - 47.5		44	Gray,Sand,Dense,Silty,w/sand stone	SM												
22	48 - 50	2.50		Reddish brown,Clay,Very stiff	CH	35.5			39	23							

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.	Depth (Top) EL.	(V/SO) psf	(SO) psf	MED psf	ST. to V/ST. psf
EL.					
93-189: 14.5	2'-4' (17.5) EL		260		
10.5'	6'-8'	120			
6.5'	10'-12'	180			
2.5'	14'-16'		320		
-3.5	20'-22'	220			
-7.5	24-26'	170			
-11.5	28-30	190			
93-190: 14	2'-4' (17.3)		310		
10'	6'-8'	130			
6'	10'-12'		290		
2'	14'-16'		260		
-2	18'-20'		260		
-10	26'-28'	140			
-16	32'-34'		290		
93-191: 12'	4'-6' (17.1) EL	220			
6'	10'-12'		280		
0'	16-18'	140			
-4	20-22'	140			
-10	26-28	130			
-15	30-32		300		
93-192: 12'	4-6' (16.9)	210			
8'	8'-10'	210			
2'	14'-16'	120			
-2'	18-20'	120			