LOG OF BORING R-1

PROJECT: Oliver Point and Oliver Reef Restoration Project CLIENT: Matagorda County, TX

COORDINATES: N 28° 38' 36.30"
W 96° 15' 12.10"
SURFACE ELEVATION:

DRILLING METHOD:
Dry Augered: to
Wash Bored: 0' to

ELEVATION (FT) / DEPTH (FT)	SAMPLE TYPE	SYMBOL	MATERIAL DESCRIPTION	(P) POCKET PEN (tsf) (T) TORVANE (tsf)	STD. PENETRATION TEST BLOWCOUNT	N_{60}	MOISTURE CONTENT (%)	DRY UNIT WEIGHT (pcf)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	COMPRESSIVE STRENGTH (tsf)	FAILURE STRAIN (%)	CONFINING PRESSURE (psi)	PASSING #200 SIEVE (%)	OTHER TESTS PERFORMED
0			Verysoft gray SANDY LEAN CLAY (CL) w/ shell fragments, sand & silt pockets		WOH/ 6" WOH/ 6" WOH/ 6" 3/6" WOH/ 6" WOH/ 6"										
5			Bottom @ 5'												
10															
15															
20															
25															
30															
35															

COMPLETION DEPTH: 5 ft
DATE BORING STARTED: 10/5/2022
DATE BORING COMPLETED:
LOGGER: Charlie H.
PROJECT NO.: 21.14.259

NOTES: Water Depth at 7.1' @ 8:50am.
Boring backfilled with soil cuttings.
SPT Hammer Type: Safety Hammer Drilling Equipment: Air Boat Rig

SUMMARY OF LABORATORY TESTS

Project No. 21.14.259 Client: Matagorda County, TX

Project: Oliver Point and Oliver Reef Restoration Project

Boring No.	Sample No.	Depth (ft)	Pocket Pen. (tsf)	Torvane (tsf)	Soil Description	USCS	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plast. Index	Finer than #200 Sieve (%)	pH	Lab Vane Shear (tsf)	Uc/UU. Compr. (tsf)	Failure Strain (%)	Conf. Pres. (psi)	Failure Type
		12	1.75			CL	20.4	112.7	30	18	12							
		15	1.50		Gray and brown LEAN CLAY with SAND	CL	28.0	96.6							1.50	14.8	7.0	Multiple shear
		18.5																
		23.5			Reddish-brown SILTY SAND	SM	24.5					33.6						
		28.5																
		30																
R-1																		
		0																
		0.5																
		3.5																
		5																
R-1A																		
		0																
		0.5			Brown SANDY LEAN CLAY	CL	49.0					51.5						
		3																
		6	3.75		Reddish-brown and gray LEAN CLAY with SAND, ferrous	CL	22.6	106.6	40	18	22				2.34	12.1	5.0	Bulge
		8																
		9																
		12																
		15	2.75		Reddish-brown LEAN CLAY with SAND	CL	23.5	99.9							1.28	9.0	7.0	Multiple shear
		18.5																
		23.5			Tan SILTY SAND	SM	24.2					33.2						
		28.5																
		29																
		30																
R-3																		
		0																
		0.5			Gray and brown CLAYEY SAND; shell fragments	SC	33.7					37.0						
		3																
		6	2.50		Reddish-brown and gray LEAN CLAY with SAND	CL	22.7	104.3							1.44	14.8	5.0	Multiple shear
		9	2.00			CH	28.8	102.8	53	22	31							
		12	2.50			CH	21.8	111.6				91.8						
		15	2.00		Reddish-brown LEAN CLAY with SAND; calcareous	CL	21.9	101.8	31	18	13				0.81	15.0	7.0	Multiple shear