

HOLE NO. 6 ST-2

DEPARTMENT OF THE ARMY DIVISION <u>Southwestern</u> INSTALLATION <u>Galveston Dist Engr Div</u>		1. PROJECT <u>Port Mansfield Jetties</u>		SHEET <u>1</u> OF <u>2</u>		
DRILLING LOG		2. LOCATION (Coordinates or Station) <u>St 6/00 450 Rt CL</u>				
4. HOLE NO. (As shown on drawing title and file No.) <u>6 ST-2</u>		3. DRILLING AGENCY <u>National Soil Services</u>				
6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED		7. THICKNESS OF OVER-BURDEN <u>MSL</u>		8. DEPTH DRILLED INTO ROCK <u>56.5</u>		
10. SIZE AND TYPE OF BIT <u>6" Shelby tube</u>		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) <u>MSL</u>		12. MANUFACTURER'S DESIGNATION OF DRILL <u>Duck w/ joy rig</u>		
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN DISTURBED <u>32 jars</u> UNDISTURBED <u>2.9 containers</u>		14. TOTAL NO. CORE BOXES <u>-</u>		15. ELEV. GROUND WATER <u>-1.31</u>		
16. DATE HOLE STARTED <u>12-16-59</u> COMPLETED <u></u>		17. ELEV. TOP OF HOLE <u>6.31</u>				
18. TOTAL CORE RECOVERY FOR BORING (%) <u></u>		19. SIGNATURE OF INSPECTOR <u>Blows Penetrometer</u>				
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
0.0-1.0			Med dense fine sand w/ traces shell. 2 jars			
1.0-3.5			Same. No sample			
3.5-5.0			Same. 2 jars			
5.0-6.5			Same. No sample			
6.5-9.0			Medium dense to dense gray very fine sand w/ shell No sample			
9.0-10.5			Same, becoming lightly tan by 9.0. 2 Jars			
10.5-13.5			Same. No Sample			
13.5-15.0			Soft gray & brown silty clay 1 container 1 jar			.25
15.0-16.5			Same 1 container 1 jar			.25
16.5-18.0			Same 1 container 1 jar			.50
18.0-19.5			Same but firm 1 container 1 jar			
19.5-21.0			Same w/sand lenses & fissured w/laminated 1/4" lenses of sand and clay 1 container (20.-21.0) 1 jar (20.0-21.0)			1.50
21.0-22.5			Same 1 container 1 jar			1.25 .50
22.5-24.0			Firm to soft gray & brown clay 1 container 1 jar			1.00
24.0-25.5			Firm to soft gray & brown clay w/ sand & silt pockets 1 container 1 jar			.50
25.5-27.0			Firm to soft gray & brown clay w/ sand lenses 26.0-26.5 1 container 1 jar			.40
27.5-28.5			Same 1 container 1 jar			.40
28.5-31.5			Same 1 container 1 jar			.50
31.5-32.5			Same w/ traces of sand & shell 1 container 1 jar			.50
32.5-33.0			Medium dense gray fine sand w/shell. No sample			

HOLE NO. 6 ST-2

DEPARTMENT OF THE ARMY			1. PROJECT		SHEET 2 OF 2	
DIVISION			2. LOCATION (Coordinates or Station)			
INSTALLATION			3. DRILLING AGENCY			
DRILLING LOG			5. NAME OF DRILLER			
4. HOLE NO. (As shown on drawing title and file No.)			9. TOTAL DEPTH OF HOLE			
6. DIRECTION OF HOLE			7. THICKNESS OF OVERBURDEN		8. DEPTH DRILLED INTO ROCK	
☐ VERTICAL ☐ INCLINED DEGREES WITH VERTICAL						
10. SIZE AND TYPE OF BIT			11. DATUM FOR ELEVATION SHOWN (TBM or MSL)		12. MANUFACTURER'S DESIGNATION OF DRILL	
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN			14. TOTAL NO. CORE BOXES		15. ELEV. GROUND WATER	
DISTURBED			UNDISTURBED		16. DATE HOLE	
					STARTED COMPLETED	
17. ELEV. TOP OF HOLE			18. TOTAL CORE RECOVERY FOR BORING (%)		19. SIGNATURE OF INSPECTOR	
ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
33.0-35.0			Same. No sample			
35.0-36.5			Stiff light blue gray silty clay w/ traces shell and sand pockets			2.25
			1 container			1.25
			1 jar			
36.5-38.0			Same. 2 jars			1.75
38.0-39.0			Same 1 container 1 jar			
39.-40.0			Same 2 jars			4.50
40.0-41.0			Same but hard. 2 jars			4.50/
41.0-42.0			Same 1 container			4.50/
42.0-42.5			Same 1 container			4.50
42.5-43.5			Same 1 container			4.50
43.5-44.0			Same 1 container			4.50/
44.0-45.0			Same 1 container			4.50/
45.0-46.0			Same 1 container			4.50/
46.0-47.0			Same 1 container			4.50/
47.0-48.0			Same 1 container			4.50/
48.0-49.0			Same 1 container 1 jar			4.50/
49.0-50.5			Same 1 container 1 jar			4.50
50.5-51.5			Same 1 container			4.50/
51.5-52.5			Same 1 container			
52.5-54.0			Same 1 container 1 jar			
54.0-55.0			Same 1 container			
55.0-56.5			Medium dense gray fine sand w/ traces shell. 2 jars			

JETTY CONSTRUCTION

FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS				ATTERBERG LIMITS		SAR L. S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU. FT.	LABORATORY CLASSIFICATION
			GRAVEL %	SAND %	FINES %	%	LL	PL				
59-2	59	25.5										
(cont)	3792		(Same as 59-3790)			0.75				53.1	71.3	G, CI (CH), PI.
		27.0										
	3793		0	0	100	0.75	63.0		18.0	46.6	75.2	G, CI (CH), PI.
		28.5										
	3794		(Same as 59-3793)			0.50				47.2	72.8	G, CI (CH), PI
		30.0										
	3795		0	16	84	0.50	40.7		11.0	35.5	86.1	G, CI (CL), PI.
		31.5										
	3796		11	68	21	1.00			2.0	30.6	107.0	G, Si Sa (SM)
		33.0										
	-		No Sample				Driller's Classification					G, Si Sa (SM)
		35.5										
	3797		0	12	88	1.75	53.5	21.6	15.0	27.2	97.3	G, CI (CH), ST
		36.5										
	3798		0	10	90	-	36.4		13.0	15.8	-	G, CI (CL)
	3799		(Same as 59-3798)			-				24.2	-	G, CI (CL)
		38.0										
	3800		0	10	90	0.75	32.6		9.0	24.8	-	Bu, CI (CL), PI
		39.0										
	-		No Sample				Driller's Classification					Bu, CI (CL)
		41.0										
	3801		0	2	98	4.00	43.2		14.0	19.7	100.8	R, CI (CL), Hd.
		42.0										
	3802		(Same as 59-3801)			4.50				22.0	107.2	R, CI (CL), Hd.
		42.5										
	3803		(Same as 59-3804)			4.50*				20.5	107.6	G-T, CI (CL), Hd.
		43.2										
	3804		0	1	99	4.50*	46.7		16.5	20.4	109.6	G-T, CI (CL), Hd.
		44.0										
	3805		(Same as 59-3804)			4.50*				21.5	105.8	G-T, CI (CL), Hd.
		45.0										
	3806		(Same as 59-3807)			4.50*				18.1	101.9	G-T, CI (CL), Hd.
		46.0										
	3807		0	0	100	4.50*	45.5		15.0	19.6	110.7	G-T, CI (CL), Hd.
		47.0										
	3808		(Same as 59-3807)			4.50*				21.3	107.3	G-T, CI (CL), Hd.
		48.0										
	3809		(Same as 59-3810)			4.50*				22.7	103.7	G-T, CI (CH), Hd.
		49.0										
	3810		0	0	100	4.50*	51.8		17.0	25.8	98.6	G-T, CI (CH), Hd.
		50.5										
	3812		(Same as 59-3810)			4.50				21.2	106.3	G-T, CI (CH), Hd.
		51.5										
	3813		(Same as 59-3814)			4.50*				20.0	107.7	G-T, CI (CL), Hd.
		52.5										
	3814		0	1	99	4.50	44.9		15.0	22.3	107.0	G-T, CI (CL), Hd.
		54.0										

* - Laboratory Penetrometer Reading

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PORT MANSFIELD

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JETTY CONSTRUCTION

TEST DATA SUMMARY
FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS				ATTERBERG LIMITS		BAR L. S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
			GRAVEL %	SAND %	FINES %	D ₆₀	LL	PL				
ST-2	59-	54.0										
(cont)	3815		0	31	69	3.00	29.7		10.0	19.6	105.7	T-G, Sa CI (CL), v/st.
		55.5		0-3.90								
	3816		0	93	7	-			0.0	21.5	-	G, Si Sa (SP-SM)
		56.5										
			Bottomed @ 56.5' in G, Si Sa (SP-SM)									
ST-3	59-	0.0	0-0-99									
	3841		0	99	1	-			0.0	10.5	-	T, Sa (SP)
	3842		(Same as 59-3841)				-			8.8	-	T, Sa (SP)
		1.0	No Sample Driller's Classification									T, Sa (SP)
		3.5	No Sample Driller's Classification									T, Sa (SP)
	3843		(Same as 59-3844)				-			28.3	-	Br, Sa (SP)
			0-0-100									
	3844		0	100	0				0.0	21.4	-	Br, Sa (SP)
		5.0	No Sample Driller's Classification									Br, Sa (SP)
		8.5	No Sample Driller's Classification									Br, Sa (SP)
	3845		(Same as 59-3844)				-			28.2	-	Br, Sa (SP)
	3846		(Same as 59-3844)				-			26.3	-	Br, Sa (SP)
		10.0	No Sample Driller's Classification									Br, Sa (SP)
	3847		0	0	100	-	51.9		19.5	36.7	-	Br, CI (CH)
	3848		(Same as 59-3847)							36.0	-	Br, CI (CH)
		12.0	No Sample Driller's Classification									Br, CI (CH)
	3849		0	0	100	1.75	64.7		22.0	38.0	83.6	Br, CI (CH), st.
		13.5	No Sample Driller's Classification									Br, CI (CH)
	3850		0	5	95	0.75	32.5	20.0	6.0	29.7	89.5	Br, CI (CL), PI.
		15.0	No Sample Driller's Classification									Br, CI (CL), PI.
	3851		(Same as 59-3850)				0.75			30.0	87.9	Br, CI (CL), PI.
		16.5	No Sample Driller's Classification									Br, CI (CL), PI.
	3852		0	2	98	0.75	40.0		11.5	35.8	83.6	Br, CI (CL), PI.
		18.0	No Sample Driller's Classification									Br, CI (CL), PI.
	3853		0	0	100	0.50	51.4		17.0	43.8	79.9	G, CI (CH), PI.
		19.5	No Sample Driller's Classification									G, CI (CH), PI.
	3854		(Same as 59-3853)				0.50			45.7	76.7	G, CI (CH), PI.
		21.0	No Sample Driller's Classification									G, CI (CH), PI.
	3855		0	0	100	0.50	66.5	25.0	21.0	52.5	71.0	G, CI (CH), PI.
		22.5	No Sample Driller's Classification									G, CI (CH), PI.
	3856		0	0	100	0.50	59.5	23.7	20.0	48.8	72.8	G, CI (CH), PI.
		24.0	No Sample Driller's Classification									G, CI (CH), PI.
	3857		(Same as 59-3858)				0.50			50.5	73.6	Br, CI (CH), So
		25.5	No Sample Driller's Classification									Br, CI (CH), So

* Laboratory Penetrometer Readings

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