

HOLE NO. 6ST-9

DEPARTMENT OF THE ARMY			1. PROJECT		SHEET OF	
DIVISION <u>Southwestern</u>			Port Mansfield Jetties			
INSTALLATION <u>Galv Dist, Eng Div</u>			2. LOCATION (Coordinates or Station)			
DRILLING LOG			Station <u>2460 935' L Q</u>			
4. HOLE NO. (As shown on drawing title and file No.)			3. DRILLING AGENCY			
6ST-9			U. S. Corps of Engineers			
6. DIRECTION OF HOLE			7. THICKNESS OF OVERBURDEN		8. DEPTH DRILLED INTO ROCK	
☒ VERTICAL ☐ INCLINED DEGREES WITH VERTICAL					9. TOTAL DEPTH OF HOLE <u>34.0</u>	
10. SIZE AND TYPE OF BIT			11. DATUM FOR ELEVATION SHOWN (TBM or MSL)		12. MANUFACTURER'S DESIGNATION OF DRILL	
6" ST 6ST-9			MSL		Joy Mounted on Surplus "Dock"	
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN			14. TOTAL NO. CORE BOXES		15. ELEV. GROUND WATER	
DISTURBED <u>17 Jars</u>			UNDISTURBED <u>13 6" Cont</u>		0.29	
17. ELEV. TOP OF HOLE			18. TOTAL CORE RECOVERY FOR BORING (%)		16. DATE HOLE	
3.79					STARTED <u>5 Dec 59</u> COMPLETED <u>7 Dec 59</u>	
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)
0.0	2.0		Medium dense fine sand w/clayey sand, lumps, Sample = 1 Jar 0.0 - 0.5	0.5		
2.0	4.5		Medium dense to dense Gray fine sand w/shell			No sample
4.5	5.0		Same but dense Sample = 2 Jars			
5.0	8.5		Same (as above)			No sample
8.5	10.0		Same (as above) Samples = 2 Jars			37 blows
10.0	11.0		Same (as above)			No sample
-7.2	11.0		Very soft brown clay w/Gray clay streaks Sample = 1 Cont 11.5-13.0			11.5-13.0 Consol. 1.50
13.0	14.5		Same but firm Sample = 1 Cont & 1 Jar 13.0 - 14.5			13.0 - 14.5 shear 1.50
14.5	15.5		Same w/shell lense @ 15.0 Sample = 1 Cont and 1 Jar			1.25
+11.7	15.5		Same but soft Sample = 1 Cont. & 1 Jar 15.5-17.0			0.50
17.0	18.5		Soft to firm Gray clay w/gray sand lenses Samples = 1 Cont. & 1 Jar 17.0-18.5			0.75
18.5	20.0		Same to 20.0 Sample = 1 Cont & 1 Jar 18.5 - 20.0			18.5-20.0 Consol. 0.75
-16.2	20.0		Same but very soft and no sand lenses Sample = 1 Cont & 1 Jar 20.0-21.5			shear & Consol. 0.15
21.5	23.0		Same Sample = 1 Cont & 1 Jar 21.5 - 23.0			Reg. 21.5-23.0 shear 0.15
23.0	24.5		Same but soft Sample = 1 Cont. & 1 Jar 23.0-24.5			23 Dec '59 0.25
-20.7	24.5		Same Sample = 1 Cont & 1 Jar 24.5-26.0			26.0-27.5 Consol. 0.50
26.0	27.5		Same w/traces shell and sand pockets Sample = 1 Cont & 1 Jar 26.0-27.5			0.50
27.5	29.0		Same Sample = 1 Cont & 1 Jar 27.5-29.0			27.5-29.0 shear 0.50
29.0	30.5		Same Sample 1 Cont & 2 Jars 29.0-30.5			0.50

continued

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DEPARTMENT OF THE ARMY DIVISION <u>Southwestern</u> INSTALLATION <u>Galv Dist, Eng Div</u>			1. PROJECT <u>Port Mansfield Jetties</u>		SHEET <u> </u> OF <u> </u>	
DRILLING LOG			2. LOCATION (coordinates or Station)			
			3. DRILLING AGENCY			
4. HOLE NO. (As shown on drawing title and file No.)			5. NAME OF DRILLER			
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED DEGREES WITH VERTICAL			7. THICKNESS OF OVER-BURDEN		8. DEPTH DRILLED INTO ROCK	
					9. TOTAL DEPTH OF HOLE	
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 DISTURBED		14. TOTAL NO. CORE BOXES		15. ELEV. GROUND WATER		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)
30.5	32.0	50 ft	No recovery			
32.0	33.0		Firm brown to gray clay w/ silt and sand lenses Sample = 1 Cont & 1 Jar 32.0-33.0			1.75
33.0	34.0		Same but stiff to v/stiff No sample noted)			
30.2						

TEST DATA SUMMARY

JETTY CONSTRUCTION

FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS				ATTENBERG LIMITS		BAR L. S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU. FT.	LABORATORY CLASSIFICATION
			GRAVEL %	SAND %	FINES %	DP	LL	PL				
ST-8	59-	15.5										
(Cont)	3826		0	0	100	1.50	51.4		17.0	36.4	83.21	G, CI (CH), ST.
		17.0										
	3827		0	3	97	0.75	40.4		13.0	35.2	88.5	T-G, CI (CL), PI.
		18.5										
	3828		0	0	100	0.75	50.1		19.0	43.4	77.5	T-G, CI (CH) PI
		20.0										
	3829		(Same as 59-3830)				0.75			50.3	71.7	G, CI (CH) PI
		21.5										
	3830		0	0	100	0.75	62.2			51.7	71.7	G, CI (CH), PI
		23.0										
	3831		(Same as 59-3830)				0.50			48.5	72.7	G, CI (CH) PI
		24.5										
	3832		(Same as 59-3833)				0.50			41.6	76.1	G, CI (CH), PI
		26.0										
	3833		0	0	100	0.50	57.8		16.0	50.2	71.4	G, CI (CH), PI
		27.5										
	3834		0	23	77	0.75	34.0		6.0	33.4	83.1	G, Sa CI (CL), PI
		29.0										
	3835		(Same as 59-3834)				0.75			36.5	88.1	G, Sa CI (CL), PI
		30.5	5.8-67									
	3836		0	80	20	0.75			0.0	22.1	-	G, Si-Sa (SM)
		32.0										
	3837		0	42	58	2.00	36.4		12.0	26.5	96.4	G, Sa CI (CL) v/st.
		33.5										
	3838		(Same as 59-3839)				1.00			22.8	101.5	G, Sa CI (CL) v/st.
		35.0										
	-		No Sample or Drillers Log Received (Assumed same as above)									
		40.0										
	3839		0	1	99	3.00	31.9		5.0	24.1	101.1	G-T, CI (CL) v/st.
		41.5										
	-		No Sample or Drillers Log Received (Assumed same as above)									
		42.0										
	3840		0	5	95	-	49.8		16.0	24.1	-	G-T, CI (CL)
		43.0										
			Bottomed @ 43.0' in G-T, CI (CL)									
ST-9	59-	0.0	0-0-100									
	3727		0	100	0	-			0.0	9.9	-	T, Sa (SP)
		0.5										
	-		No Sample Drillers Classification									
		4.5	1-2-97									
	3728		0	100	0	-			0.0	25.9	-	G, Sa (SP)
		5.0										
	-		No Sample Drillers Classification									
		8.5										

* - Laboratory Penetrometer Readings

DLR, B17

JETTY CONSTRUCTION FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS				ATTENBERG LIMITS		BAR L. S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU. FT.	LABORATORY CLASSIFICATION
			GRAVEL %	SAND %	FINES %	W _p %	LL	PL				
59-9	59-	8.5	0	0-100								
(cont)	3229	10.0	0	100	0	-			0.0	23.0	-	T, Sa (SP)
-	-	11.5	No Sample				Driller's Classification					T, Sa (SP)
3711		13.0	0	2	98	0.25	43.5	20.8	14.0	34.3	88.8	Br, CI (CL) So
3712		14.5	0	0	100	1.25	52.2	21.9	18.5	31.5	89.7	Br, CI (CH) St.
3713		15.5	0	7	93	0.50	46.5		17.5	34.5	83.7	Br, CI (CL), PI
3714		17.0	0	2	98	0.75	35.7		10.0	32.9	83.8	Br, CI (CL), PI
3715		18.5	0	3	97	0.75	64.5		21.0	44.3	77.1	Br, CI (CH), PI
3716		20.0	0	0	100	0.75	59.1	23.3	21.0	43.4	77.1	G, CI (CH), PI
3717		21.5	(Same as 59-3716)				0.75			45.5	75.7	G, CI (CH), PI
3718		23.0	0	0	100	0.50	60.3	34.9	22.0	45.4	74.9	G, CI (CH), PI
3719		24.5	(Same as 59-3718)				0.50			46.8	75.0	G, CI (CH), PI
3720		26.0	0	0	100	0.75	53.8		17.0	41.1	76.5	G, CI (CH), PI, lam. w/ Si
3721		27.5	0	20	80	0.75	40.0	16.6	11.0	35.3	80.6	G, CI (CL), PI, w/ Si lamellae
3722		29.0	0	17	83	0.50	45.1	19.8	15.0	40.9	80.0	Br, CI (CL), PI
-	-	32.0	No Sample				Driller's Classification					G, CI (CL)
3723		33.0	0	34	76	1.75	27.5		9.0	20.1	107.4	G, Sa CI (CL), St.
3724		34.0	0	21	79	2.00	29.8		10.0	18.7	104.0	G, Sa CI (CL), v/ St.
			Bottomed @ 34.0' in G, Sa CI (CL) v/ St.									
59-10	59-	0.0										
-	-	2.5	No Sample				Driller's Classification					T, Sa (SP)
3728		3.0	0	100	0	-			0.0	24.5	-	Br, Sa (SP)
3729		4.5	0	100	0	-			0.0	20.1	-	Br, Sa (SP)
-	-	8.0	No Sample				Driller's Classification					G, Sa (SP)

* Laboratory Penetrometer Reading

DLB-817