HOLE NO. 6ST-10

DEPARTMENT OF THE ARMY
DIVISION Southwestern
INSTALLATION Galv Dist, Eng Div

DRILLING LOG

1. PROJECT: Port Mansfield Jetties
SHEET OF
2. LOCATION (Coordinates or Station): Station ~~0 + 30~~ 650 L ℄ Sta. - 0+50
3. DRILLING AGENCY: U. S. Corps of Engineers
4. HOLE NO. (As shown on drawing title and file No.): 6ST-10
5. NAME OF DRILLER: B. E. Belitz

6. DIRECTION OF HOLE			7. THICKNESS OF OVER-BURDEN	8. DEPTH DRILLED INTO ROCK	9. TOTAL DEPTH OF HOLE
☒ VERTICAL	☐ INCLINED	DEGREES WITH VERTICAL			54.5

10. SIZE AND TYPE OF BIT	11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	12. MANUFACTURER'S DESIGNATION OF DRILL
6" Shelby Tube	MSL	Joy Mounted on Surplus "Dock"

13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		14. TOTAL NO. CORE BOXES	15. ELEV. GROUND WATER	16. DATE HOLE	
DISTURBED	UNDISTURBED			STARTED	COMPLETED
27 Jars	17 6" Cont		0.1	30 Nov	30 Nov 59

17. ELEV. TOP OF HOLE	18. TOTAL CORE RECOVERY FOR BORING (%)	19. SIGNATURE OF INSPECTOR
3.9		

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
+3.9						
0.0	3.0	Sand	Med dense tan fine, sand w/shell Sample = 1 Jar 0.0-0.5 & 1 Jar 2.5-3.0			
3.0-	4.5		Dense tan to Gray fine sand w/ shell, Sample= 2 Jars			No sample 46 blows
4.5	8.0		Dense gray fine sand w/shell			No sample
8.0	10.0		Dense gray very fine sand Sample = 2 Jars			49 blows
-6.1						
10.0	12.0	Firm to stiff plastic	Firm gray clay w/gray sand lenses No recovery 10.0-11.5 Sample = 1 Jar			
12.0	13.0		Same as 10.0-12.0			
13.0-	14.5		Firm brown to gray clay Sample= 1 Cont & 1 Jar			13.0 - 14.5 Consol 1.25
14.5	16.0		Same with silty clay seam @ 15.5 Sample = 1 Cont & 1 Jar			1.00
-12.1						
16.0	17.5	Plastic	Same but soft w/gray silt and gray sand lenses 16.5-17.5 Samples = 1 Cont & 1 Jar			.75
-13.6						
17.5	20.0		Soft gray clay w/gray sand pockets No recovery 17.5-19.0 & 17.5-20.0 3" Shelby Tube recovery 18.0-20.0 Sample= 1 Cont & 1 Jar			.25
20.0	21.5	Soft	Soft gray clay - No recovery 6" ST pushed previous 3" ST Core and forced 20.0-21.5 core out			No sample
21.5	22.0		Same			No sample
22.0	23.5		Same Sample= 1 Cont & 1 Jar			.25
23.5	24.5		Same Sample= 1 Cont & 1 Jar			.25
-20.6						
24.5	26.0	Very Soft	Same Sample= 1 Cont & 1 Jar			.15
26.0	27.5		Same w/traces of shell and silty clay lenses @ 27.0' Sample = 1 Cont & 1 Jar			Shear & Consol. Reg. 23 Dec. '59 .15
27.5	29.0		Same but w/more shell & sandy Sample= 1 Cont & 1 Jar			.15
-25.1						
29.0	30.5	Soft	Same Sample= 1 Cont & 1 Jar			.25
-26.6			Continued			

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DEPARTMENT OF THE ARMY
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INSTALLATION Galv Dist, Eng Div

DRILLING LOG

1. PROJECT: Port Mansfield Jetties			SHEET OF
2. LOCATION (Coordinates or Station): Sta. — 0 + 50			
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 / UNDISTURBED	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		Med.dense gray fine sand w/shell and gray clay lumps Sample- 1 Cont & 1 Jar			
32.0	33.5		Firm to stiff gray and brown silty clay w/traces shell and calcium pockets, Sample- 1 Cont & 1 Jar			1.25
33.5	35.0		Same Sample- 2 Jar			2.25
35.0	36.0		Same w/v/silty clay seams Sample- 1 Cont			4.50 2.50 0.25
36.0	37.0	CL	Same but v/stiff Sample- 1 Cont			4.50
37.0	40.5	Hard	Same No sample			
40.5	41.0		Same Sample- 2 Jars			
41.0	42.0		Gray and brown silty sand Sample-- 1 Cont			
42.0	43.0		Same to 42.5 - brown clay 42.5-44.0 Sample- 1 Cont			
43.0	44.0		Stiff brown clay No sample			
44.0	45.5		Brown silt and clayey silt Sample 2 Jars			
45.5	46.0	Hard	Stiff brown clay			2.50
46.0	49.0		Stiff brown clay No sample			
49.0	50.5		Med. dense tan and gray fine sand Sample- 1 cont & 1 tan			
50.5	53.0		Same No sample			
53.0	54.5		Sample 1 Cont & 1 Jar Same			
			Bottomed in above @ 54.5			

PORT MANSFIELD **TEST DATA SUMMARY**

JETTY CONSTRUCTION FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	D# mm	ATTERBERG LIMITS LL	PL	BAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
BST-9	59-	8.5	0-0-100									
(cont)	3729		0	100	0	-			0.0	23.0	-	T, Sa (SP)
		10.0										
	-		No Sample			Driller's	Classification					T, Sa (SP)
		11.5										
	3711		0	2	98	0.25	43.5	20.8	14.0	34.3	88.8	Br, Cl (CL), So
		13.0										
	3712		0	0	100	1.25	52.2	21.9	18.5	31.5	89.7	Br, Cl (CH) St.
		14.5										
	3713		0	7	93	0.50	46.5		17.5	34.5	83.7	Br, Cl (CL), Pl
		15.5										
	3714		0	2	98	0.75	35.7		10.0	32.9	83.8	Br, Cl (CL), Pl
		17.0										
	3715		0	3	97	0.75	64.5		21.0	44.3	77.1	Br, Cl (CH), Pl
		18.5										
	3716		0	0	100	0.75	59.1	23.3	21.0	43.4	77.1	G, Cl (CH), Pl
		20.0										
	3717		(Same as 59-3716)			0.75				45.5	75.7	G, Cl (CH), Pl
		21.5										
	3718		0	0	100	0.50	60.3	24.9	22.0	45.4	74.9	G, Cl (CH), Pl
		23.0										
	3719		(Same as 59-3718)			0.50				46.8	75.0	G, Cl (CH), Pl
		24.5										
	3720		0	0	100	0.75	53.8		17.0	41.1	76.5	G, Cl (CH), Pl, lam. w/Si
		26.0										
	3721		0	20	80	0.75	40.0	16.6	11.0	35.3	80.6	G, Cl (CL), Pl, w/Si lenses
		27.5										
	3722		0	17	83	0.50	45.1	19.8	15.0	40.9	80.0	Br, Cl (CL), Pl
		29.0										
	-		No Sample			Drillers	Classification					G, Cl (CL)
		32.0										
	3723		0	34	76	1.25	27.5		9.0	20.1	107.4	G, Sa Cl (CL), St.
		33.0										
	3724		0	21	79	2.00	29.8		10.0	18.7	104.0	G, Sa Cl (CL), V/St.
		34.0										
			Bottomed @ 34.0' in G, Sa Cl (CL) V/St.									
BST-10	59-	0.0										
	-		No Sample			Driller's	Classification					T, Sa (SP)
		2.5	0-3-97									
	3728		0	100	0	-			0.0	24.5	-	Br, Sa (SP)
		3.0	0-11-89									
	3729		0	100	0	-			0.0	20.1	-	Br, Sa (SP)
		4.5										
	-		No Sample			Driller's	Classification					G, Sa (SP)
		8.0										

* - Laboratory Penetrometer Reading

DLB-817

PORT MANSFIELD

TEST DATA SUMMARY

JETTY CONSTRUCTION

FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	D%	ATTERBERG LIMITS LL	PL	BAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
BST-10 (cont)	59-3730	8.0	0	0-100	0	-			0.0	23.4	-	G, Sa (SP)
	3731	9.5	0	7	93	-	70.0		17.5	66.9	-	G, Cl (CH)
	-	12.0	No Sample			Driller's Classification						G, Cl (CH)
	3732	13.0	0	1	99	1.50	56.2	23.3	20.0	33.9	86.9	Br, Cl (CH), St.
	3733	14.5	(Same as 59-3734)			2.25				31.7	89.0	Br, Cl (CL), V/St.
	3734	16.0	0	12	88	1.75	29.7		7.5	31.2	89.0	Br, Cl (CL), St.
	-	17.5	No Sample			Driller's Classification						G, Cl (CH)
	3735	18.0	(Same as 59-3736)			0.50				39.0	66.7	G, Cl (CH) Pl (Prob. Dust)
	-	20.0	No Sample			Drillers Classification						G, Cl (CH)
	3736	22.0	0	0	100	0.50	73.4		23.0	45.9	75.1	G, Cl (CH), Pl
	3737	23.5	(Same as 59-3736)			0.50				43.5	76.4	G, Cl (CH), Pl
	3738	24.5	0	0	100	0.50	63.1	27.5	19.0	46.8	76.8	G, Cl (CH) Pl
	3739	26.0	0	5	95	0.75	63.6	25.7	23.0	42.1	76.8	G, Cl (CH) Pl
	3740	27.5	3	23	74	0.75	37.1		12.0	31.6	87.2	G, Sa Cl (CL), Pl
	3741	29.0	0	63 (48-51)	37	0.50	23.4		5.0	26.0	100.1	G, Cl Sa (SC)
	3742	30.5	5	41	54	1.50	32.2		9.0	27.6	96.3	G, Sa Cl (CL), St.
	3743	32.0	0	11	89	2.00	33.2		11.0	22.5	104.3	Br, Cl (CL), V/St.
	3744	33.5	0	6	94	-	42.4		17.0	22.7	-	Br, Cl (CL)
	3745	35.0	(Same as 59-3744)			1.50				21.2	104.4	Br, Cl (CL), St.
	3746	36.0	0	11	89	4.50	39.6		15.0	17.9	112.6	Br, Cl (CL), Hd.
	-	37.0	No Sample			Driller's Classification						Br, Cl (CL)
	3747	41.0	(Same as 59-3748)			1.25				24.0	103.9	Br, Cl (CL) St
	3748	42.0	0	11	89	1.25	29.2		5.0	23.7	96.9	Br, Cl (CL), St
	-	43.0	No Sample			Driller's Classification						Br, Cl (CL)
		45.5										

*- Laboratory Penetrometer Readings

DLR 8/17

PORT MANSFIELD

TEST DATA SUMMARY

JETTY CONSTRUCTION FEATURE LOG OF SOIL BORINGS

BORING NO.	SAMPLE NO.	DEPTH OR EL EV. OF SAMPLE	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	%	ATTERBERG LIMITS LL	PL	BAR L. S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
BST-10 (cont)	59-3749	45.5	0	2	98	-	42.6		15.0	22.9	-	Br, Cl (CL)
		46.0										
	-		No Sample Driller's Classification									Br, Cl (CL)
		49.0										
	3750		(Same as 59-3751)			1.00				23.4	101.1	Br, Sa (SP)
		50.5										
	-		No Sample Driller's Classification									Br, Sa (SP)
		53.0	9-2-92									
	3751		0	94	6				0.0	20.9	-	Br, Sa (SP)
		54.5										
			Bottomed @ 54.5' in Br, Sa (SP)									
BST-11	59-3752	0.0	0	100	0	16-6-92			0.0	4.4		T, Sa (SP)
		1.0										
	-		No Sample Driller's Classification									T, Sa (SP)
		4.0										
	3753		(Same as 59-3754)			-				18.3		Br, Sa (SP)
		5.0										
	-		No Sample Drillers Classification									Br, Sa (SP)
		8.5	4-4-92									
	3754		0	100	0				0.0	24.7		Br, Sa (SP)
		10.0										
	-		No Sample Drillers Classification									Br, Sa (SP)
		11.5										
	3755		0	4	96	0.75	55.6		21.5	45.6	79.5	Br, Cl (CH) Pl
		13.0										
	3756		0	0	100	1.50	58.4	23.2	24.0	36.3	86.4	Br, Cl (CH) St.
		14.5										
	3757		0	2	98	0.75	46.3		17.0	38.7	82.6	G, Cl (CL), Pl
		16.0										
	3758		0	2	98	-	30.8		6.0	32.3	-	G, Cl (CL), Pl
		17.5										
	3759		0	26	74	0.50			4.0	24.5	95.3	G, Sa Cl (CL-ML), Pl
		19.0										
	3760		0	4	96	-	31.6		7.0	33.4	-	G, Cl (CL)
		20.5										
	3761		0	3	97	0.50	46.9		16.0	37.2	84.2	G, Cl (CL), Pl
		22.0										
	3762		0	2	98	0.50	60.4	25.5	19.0	46.3	75.1	G, Cl (CH), Pl
		23.5										
	3763		0	1	99	0.50	63.2	23.6	22.0	46.7	75.0	G, Cl (CH), Pl
		25.0										
	3764		(Same as 59-3763)							44.9	74.5	G, Cl (CH), Pl
		26.5										

Laboratory Penetrometer Readings OLR 817