

DIVISION Southwestern		INSTALLATION Galv Dist, Eng Div		SHEET OF SHEETS		
1. PROJECT Sabine Neches Waterway		10. SIZE AND TYPE OF BIT				
2. LOCATION (Coordinates or Station)		11. DATUM FOR ELEVATION SHOWN (TBM or MSL)				
3. DRILLING AGENCY Dept of the Army, GD, Corps of Engineers		12. MANUFACTURER'S DESIGNATION OF DRILL				
4. HOLE NO. (As shown on drawing title and file number) 3ST-320		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 2 Jars	UNDISTURBED 26 Cont	
5. NAME OF DRILLER Black		14. TOTAL NUMBER CORE BOXES				
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER				
7. THICKNESS OF OVERBURDEN		16. DATE HOLE		STARTED 27 April	COMPLETED 28 April 1967	
8. DEPTH DRILLED INTO ROCK		17. ELEVATION TOP OF HOLE				
9. TOTAL DEPTH OF HOLE 56.0		18. TOTAL CORE RECOVERY FOR BORING %				
19. SIGNATURE OF INSPECTOR						
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
0.0	2.0		Brown clay w/org. mat., v/stiff			Cont. 1 3.50
2.0	4.0		Gray and tan sandy clay, med			Cont. 2 0.50
4.0	6.0		Brown and gray sandy clay v/stiff			Cont. 3 2.00
6.0	8.0		Silty sand, brown, w/clay seams, stiff			Cont. 4 1.50
8.0	10.0		Gray silty sand, v/soft			Cont. 5 0.0
10.0	12.0		Gray silty sandy clay, stiff			Cont. 6 1.00
12.0	14.0		Brown and gray clay w/org. mat, and cal nods, stiff			Cont. 7 1.00
14.0	16.0		Same as above, stiff			Cont. 8 1.25
16.0	18.0		Brown and gray clay, stiff			Cont. 9 1.75
18.0	20.0		Gray and brown clay, v/stiff			Cont. 10 2.00
20.0	22.0		Brown sandy clay, v/stiff			Cont. 11 2.50
22.0	24.0		Same as above, w/sandstone stiff			Cont. 12 1.75
24.0	26.0		Brown silty sand 24.0-24.5 No count 24.5-25.0 10 blows 25.0-25.5 13 blows 25.5-26.0 No count			Jar 1
26.0	28.0		Washed, same as below			No sample
28.0	29.0		Brown silty sand			Jar 2
29.0	30.0		Brown silty clay, stiff			Cont. 13 1.50
30.0	32.0		Gray clay w/sand and silt layers, v/stiff			Cont. 14 2.25
32.0	34.0		Same as above, medium			Cont. 15 0.75
34.0	36.0		Gray clay w/silt seams v/stiff			Cont. 16 2.50
36.0	38.0		Same as above, stiff			Cont. 17 1.50
38.0	40.0		Same as above, w/shell frag med			Cont. 18 1.00
40.0	42.0		Gray clay w/pocket of silt stiff			Cont. 19 1.50
42.0	44.0		Same as above, w/org. mat. stiff			Cont. 20 1.50

DRILLING LOG		DIVISION	INSTALLATION		SHEET OF SHEETS	
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4. HOLE NO. (As shown on drawing title and file number)			13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN	DISTURBED	UNDISTURBED	
5. NAME OF DRILLER			14. TOTAL NUMBER CORE BOXES			
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.			15. ELEVATION GROUND WATER			
7. THICKNESS OF OVERBURDEN			16. DATE HOLE	STARTED	COMPLETED	
8. DEPTH DRILLED INTO ROCK			17. ELEVATION TOP OF HOLE			
9. TOTAL DEPTH OF HOLE			18. TOTAL CORE RECOVERY FOR BORING %			
			19. SIGNATURE OF INSPECTOR			

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
44.0	46.0		Gray clay w/sand and silt layers, stiff			Cont. 21 1.50
46.0	48.0		Same as above, v/stiff			Cont. 22 2.00
48.0	50.0		Same as above, stiff			Cont. 23 1.50
50.0	52.0		Gray clay w/few sand silt seams, stiff			Cont. 24 1.50
52.0	54.0		Gray clay, stiff			Cont. 25 1.25
54.0	56.0		Same as above, stiff			Cont. 26 1.50
			BOTTOMED			

28 Jan 1965

PROJECT: Sabine Naches Waterway

TEST DATA SUMMARY

BORING NO. 3ST-320

LOCATION: _____

DATE DRILLED 27 April 1967

FIELD NO.	DEPTH	CLASSIFICATION ELEVATION TOP BORING _____	SYMBOL	CONSISTENCY	POCKET (1) PENETROMETER	STAN. PENET. BLANK/FT (2)	MOISTURE CONTENT %	DRY DENSITY P. C. F.	L.L.	P.L.	BAR L.S.	SIEVE ANALYSIS							
												PERCENT			INIT. WT.	ACC. WT. RTND. SIEVE NO. (3)			
												GRVL	SAND	FINES		NO. 4	NO. 10	NO. 40	NO. 200
C-1	0-2	Brown clay 0-6	CH	VST	3.5		15	104											
C-2	2-4	Sandy 2-6		M	0.5		22	100			21.0	0	24	76	50	0	1	1	12
C-3	4-6			VST	2.0		31	88											
C-4	6-8	Brown sandy clay 6-8	CL	ST	1.5		23	96	32		8.0	0	24	76	50	0	0	0	12
C-5	8-10	Gray sandy silt 8-10	ML	VS	0.0		28	98			2.0	0	30	70	50	0	0	0	15
C-6	10-12	Gray clayey silt 10-12	CL	ST	1.0		33	91			3.0	0	2	98	50	0	0	0	1
C-7	12-14	Brown, Gray clay 12-20	CH	ST	1.0		30	97											
C-8	14-16			ST	1.25		28	94			23.0	0	6	94	50	0	0	1	3
C-9	16-18			ST	1.75		29	93											
C-10	18-20			VST	2.0		22	98											
C-11	20-22	Brown sandy clay 20-	CL	VST	2.5		21	107			6.0	0	36	64	50	0	0	0	13
C-12	22-24	24		ST	1.75		23	102											
J-1	24-26	Brown silty sand 24-29	SP	D		23	23												
	26-28																		
J-2	28-29						24				0.0	0	94	6	50	0	0	0	47
C-13	29-30	Brown clay 29-30	CL	ST	1.5		27	96			11.0	0	6	94	50	0	0	0	3
C-14	30-32	Gray clay 30-34	CH	VST	2.25		29	98											
C-15	32-34			M	0.75		32	89			18.0	0	2	98	50	0	0	0	1
C-16	34-36	Gray clay 34-52	CL	VST	2.5		33	88											
C-17	36-38			ST	1.5		33	89											
C-18	38-40			ST	1.0		31	90											
C-19	40-42	silt & sand layers		ST	1.5		35	86	46		16.0	0	4	96	50	0	0	0	2
C-20	42-44	30-46		ST	1.5		34	85											
C-21	44-46			ST	1.5		36	83											
C-22	46-48			VST	2.0		36	85	49		16.0	0	2	98	50	0	0	0	1
C-23	48-50			ST	1.5		43	80											
C-24	50-52			ST	1.5		42	80											
C-25	52-54	Gray clay 52-56	CH	VST	1.25		44	75											
C-26	54-56			ST	1.5		47	72			19.0	0	0	100	50	0	0	0	0
		Water @ 9.0																	

KEY: CONSISTENCY - COHESIVE SOILS
 VS S M ST VST H VL L H D VD
 Very Soft Soft Medium Stiff Very Stiff Hard Very Loose Loose Medium Dense Very Dense

(1) Tons/Sq. Ft. Unconfined Compressive Strength
 (2) Split Barrel Sampler
 (3) Acc. Wt. Rtn'd ÷ Grav. Wt. x 100 = % Rtn'd.

BORING NO. 3ST-320