

DRILLING LOG		DIVISION Southwestern		INSTALLATION Galv Dist, Eng Div		SHEET OF SHEETS	
1. PROJECT Sabine Naches Waterway				10. SIZE AND TYPE OF BIT			
2. LOCATION (Coordinates or Station)				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) Offset 156' East 15.0' South			
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-316		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED UNDISTURBED 28 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 23 May COMPLETED 23 May 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 and gray clay w/roots sand pockets, stiff			Cont. 1	1.00
2.0	4.0		Brown and gray clay w/roots cal nods, sandy pockets, med			Cont. 2	0.75
4.0	6.0		Brown and gray clay, w/sandy layers, cal nods, stiff			Cont. 3	1.00
6.0	8.0		Same as above, stiff			Cont. 4	1.00
8.0	10.0		Brown and gray clay w/shell sandy layers, soft			Cont. 5	0.25
10.0	12.0		Gray clay w/sandy layers w/shell, soft			Cont. 6	0.25
12.0	14.0		Brown and gray clay w/tr sand w/cal nods, stiff			Cont. 7	1.50
14.0	16.0		Brown and gray clay w/sandy layers, w/cal nods, stiff			Cont. 8	2.00
16.0	18.0		Brown clay w/cal nods, stiff			Cont. 9	1.75
18.0	20.0		Gray clay w/hard clay parts stiff			Cont. 10	2.00
20.0	22.0		Gray and brown clay w/tr sand w/hard, clay parts, stiff			Cont. 11	2.25
22.0	24.0		Gray and brown sandy clay, stiff			Cont. 12	2.00
24.0	26.0		Brown sand w/clay layers, stiff			Cont. 13	1.50
26.0	28.0		Gray clay w/sand layers, stiff			Cont. 14	1.00
28.0	30.0		Gray and brown clay w/sandy layers, w/cal nods, stiff			Cont. 15	2.50
30.0	32.0		Gray clay w/sandy layers, stiff			Cont. 16	1.50
32.0	34.0		Same as above, stiff			Cont. 17	2.00
34.0	36.0		Same as above, stiff			Cont. 18	2.00
36.0	38.0		Gray clay w/sandy layers w/tr shell, stiff			Cont. 19	2.25
38.0	40.0		Gray clay w/sandy layers, stiff			Cont. 20	1.25
40.0	42.0		Same as above, stiff			Cont. 21	1.50
42.0	44.0		Same as above, stiff			Cont. 22	1.50
44.0	46.0		Same as above, stiff			Cont. 23	1.50
46.0	48.0		Same as above, stiff			Cont. 24	1.25
continued							

28 Jan 1965

PROJECT: Sabine Naches Waterway

LOCATION: _____

TEST DATA SUMMARY

BORING NO. 3ST-316DATE DRILLED 22 May 1967

FIELD NO.	DEPTH	CLASSIFICATION ELEVATION TOP BORING _____	SYMBOL	CONSISTENCY	POCKET (1) PENETROMETER	STAN. PENET. BLOWS/FT (2)	MOISTURE CONTENT %	DRY DENSITY p. c. f.	L.L.	P.L.	BAR L.S.	SIEVE ANALYSIS								
												PERCENT			WT. INIT.	ACC. WT. RTND. SIEVE NO. (3)				
												GRVL	SAND	FINES		NO. 4	NO. 10	NO. 40	NO. 200	
C-1	0-2	Brown Gray Clay	CH	VST	2.25		29	91												
C-2	2-4	Roots 0-10		VST	2.0		26	93												
C-3	4-6	Cal Nods 2-6		ST	1.25		33	87			24.0	0	2	98	50	0	0	0	1	
C-4	6-8			ST	1.0		33	87												
C-5	8-10			ST	1.0		38	83												
C-6	10-12	Gray sandy silt 10-12	ML	M	0.75		26	93			0.0	0	16	84	50	0	0	0	8	
C-7	12-14	Brown, Gray Clay 12-22	CH	H	4.25		20	109												
C-8	14-16	Cal Nod 12-18		VST	3.0		20	105												
C-9	16-18			ST	1.75		37	87			24.0	0	2	98	50	0	0	0	1	
C-10	18-20			VST	2.5		21	107												
C-11	20-22			VST	2.0		21	107												
C-12	22-24	Gray sandy clay 22-24	CL	VST	2.0		20	108	43		15.0	0	30	70	50	0	0	0	15	
C-13	24-26	Brown clayey sand 24-26	SC	M	0.75		23	101			6.0	0	70	30	50	0	0	1	35	
C-14	26-28	Gray sandy silty clay 26-28	ML	M	0.75		26	97			3.0	0	20	80	50	0	0	0	10	
C-15	28-30	Gray, Brown clay 28-	CH	ST	1.75		37	86												
C-16	30-32	56		ST	1.75		35	89			27.0	0	2	98	50	0	0	0	1	
C-17	32-34	Cal Nods 28-30		ST	1.5		35	87												
C-18	34-36			ST	1.75		29	93												
C-19	36-38	Sand layers 28-32 &		ST	1.5		32	87												
C-20	38-40	36-40		ST	1.0		38	84												
C-21	40-42			ST	1.0		41	81			19.0	0	0	100	50	0	0	0	0	
C-22	42-44			ST	1.0		41	81												
C-23	44-46			ST	1.25		35	92												
C-24	46-48			ST	1.25		40	80												
C-25	48-50			ST	1.25		45	75												
C-26	50-52			ST	1.25		48	73			25.0	0	2	98	50	0	0	0	1	
C-27	52-54			ST	1.25		51	70												
C-28	54-56	BOTTOM AT 56'		ST	1.25		56	67												
	56-58																			
	58-60	WATER AT																		

KEY: CONSISTENCY - COHESIVE SOILS CONSISTENCY - COHESIONLESS SOILS
 VS S M ST VST H VL L M 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. Rnd : Init. Wt. x 100 = % Rnd.

BORING NO. 3ST-316