

SWG Form 267(c)
28 Jan 1965

PROJECT: Galveston Harbor and Channel

LOCATION: Galveston, Texas

TEST DATA SUMMARY

BORING NO. 3st-64

DATE DRILLED _____

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			INIT. WT.	ACC. WT. RTND. SIEVE NO. (3)			
												GRVL	SAND	FINES		NO. 4	NO. 10	NO. 40	NO. 200
	0-16	Water																	
C-1	16-20	Gray Silty Sand 16-24.5	SM	VS	0.0		33.8	91			0.0	0	80	20	50	0	0	0	40
J-1	20-24.5						33.9				0.0	0	82	18	50	0	0	0	41
C-2	24.5-29	Gray Clay 24.5-40	CH	VS	0.0		70.4	59											
C-3	29-30	Sand Seams 30-40		VS	0.0		78.5	52											
C-4	30-32.5			VS	0.0		79.2	56											
C-5	32.5-35			VS	0.0		92.6	49			21.0	0	10	90	50	0	0	0	5
C-6	35-37.5			VS	0.0		64.5	60											
C-7	37.5-40			VS	0.0		84.1	51											
J-2	40-42.5	Gray Silty Sand 40-45	SM				43.2				1.5	0	72	28	50	0	0	0	36
J-3	42.5-45						34.1				0.0	0	84	16	50	0	0	0	42
C-8	45-47.5	Gray Sandy Clay	CH	VS	0.0		80.5	51			19.0	0	16	84	50	0	0	0	8
C-9	47.5-50	Gray Silty Sand	SP SM	M	0.50		24.2	99			20	0	90	10	50	0	0	0	45
C-10	50-52.5	Gray Clayey Sand	SC	VS	0.0		55.2	66			12.0	0	54	46	50	0	0	0	27

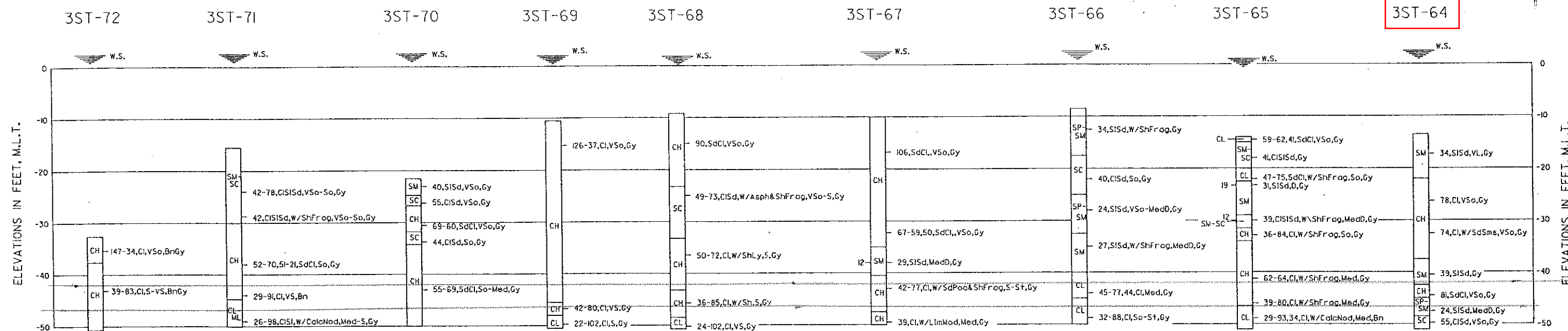
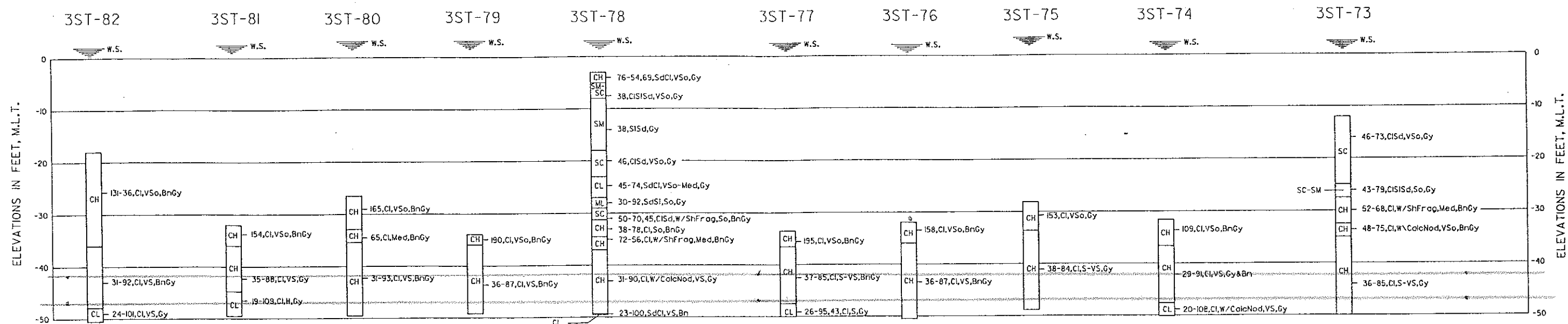
KEY: CONSISTENCY - COHESIVE SOILS
VS S M ST VST R VL L H D VD
Very Soft Soft Medium Stiff Very Stiff Hard Very Loose Loose Medium Dense Very Dense

(1) Tons/Sq. Ft. Unconfined Compressive Strength
(2) Split Barrel Sampler
(3) Acc. Wt. Retd. ± Init. Wt. x 100 = % Retd.

BORING NO. 3st-64

DRILLING LOG		DIVISION Southwestern		INSTALLATION Galv Dist, Eng Div		SHEET OF SHEETS	
1. PROJECT Galveston Harbor and Channel				10. SIZE AND TYPE OF BIT			
2. LOCATION (Coordinates or Station) Galveston, Texas				11. DATUM FOR ELEVATION SHOWN (TBM or MSL)			
3. DRILLING AGENCY U. S. Army Corps of Engineers				12. MANUFACTURER'S DESIGNATION OF DRILL			
4. HOLE NO. (As shown on drawing title and file number) 3ST-64				13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED 3 Jars	UNDISTURBED 10 Cont
5. NAME OF DRILLER Watts				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 18 Dec		STARTED 18 Dec 1965	
8. DEPTH DRILLED INTO ROCK				17. ELEVATION TOP OF HOLE			
9. TOTAL DEPTH OF HOLE 52.5				18. TOTAL CORE RECOVERY FOR BORING %			
				19. SIGNATURE OF INSPECTOR			

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV- ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
0.0	16.0		Water			
16.0	20.0		Gray sandy clay w/shell frag (fine) v/soft Weight of 4 rods, 1 tube No resistance			Cont. 1 0.0
20.0	24.5		Gray sandy clay, v/soft Weight of 4 rods, 1 tube No resistance			Jar 1 0.0
24.5	29.0		Gray sandy clay, v/soft Weight of 4 rods, 1 tube No resistance			Cont. 2 0.0
29.0	30.0		Gray clay, v/soft			Cont. 3 0.0
30.0	32.5		Gray clay w/sand layers v/soft			Cont. 4 0.0
32.5	35.0		Gray clay w/sand layers v/soft			Cont. 5 0.0
35.0	37.5		Gray clay w/sand layers v/soft			Cont. 6 0.0
37.5	40.0		Gray clay w/sand layers, v/soft			Cont. 7 0.0
40.0	42.5		Gray sandy clay, v/soft			Jar 2 0.0
42.5	45.0		Gray sandy clay, v/soft			Jar 3 0.0
45.0	47.5		Gray sandy clay w/sand layers v/soft			Cont. 8 0.0
47.5	50.0		Gray sandy clay w/sand layers v/soft			Cont. 9 0.0
50.0	52.5		Gray sandy clay w/sand layers v/soft			Cont. 10 0.0
			BOTTOMED			
			Idle			



1. SOILS HAVE BEEN CLASSIFIED IN ACCORDANCE WITH MILITARY STANDARD 6198 "UNIFIED SOIL CLASSIFICATION SYSTEM FOR ROADS, AIRFIELDS, EMBANKMENTS AND FOUNDATIONS." CONSISTENCY OF SOILS SUCH AS SOFT, MEDIUM, HARD, LOOSE, DENSE, ETC., ARE RELATIVE TERMS BASED ON ESTIMATED UNDISTURBED SHEAR STRENGTH OF THE MATERIAL AS DETERMINED BY VISUAL CLASSIFICATION POCKET PENETROMETER TESTS AND PENETRATION RESISTANCE DURING SAMPLING.
2. FIGURES TO THE RIGHT OF BORING LOGS ARE WATER CONTENTS IN PERCENT OF THE DRY WEIGHT, DRY DENSITY, LIQUID LIMIT, PLASTIC LIMIT, AND BAR LINEAR SHRINKAGE.
(MC-UDW)(LL-PL)(LS-S)
FIGURES TO THE LEFT OF BORING LOGS ARE BLOWS PER FOOT OF PENETRATION FROM STANDARD PENETRATION TESTING.
3. BORINGS WERE DRILLED USING WET ROTARY DRILLING TECHNIQUES AND UNDISTURBED SAMPLES WERE RECOVERED WITH A 3-INCH DIAMETER THIN WALL SAMPLER WHERE COHESIVE MATERIALS WERE ENCOUNTERED. WHERE COHESIONLESS MATERIALS WERE ENCOUNTERED, DISTURBED SAMPLES WERE TAKEN WITH A SPLIT SPOON SAMPLER DURING PERFORMANCE OF STANDARD PENETRATION TESTING.

Bn Brownish)	Med Medium
Calc Calcareous	S Stiff
Cl (Clayey)	Sa Sandy)
D Dense	Sh Shell(y)
Frag Fragment(s)	Sl Silty
Gy Gray(ish)	So Soft
H Hard	V Very
L Loose	W With
Nod Nodules	W.S. Water Surface

CH INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.
CL INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, LEAN CLAYS.
ML INORGANIC SILTS AND VERY FINE SANDS, WITH SLIGHT PLASTICITY.
SC CLAYEY SANDS, SAND-CLAY MIXTURES.
SM SILTY SANDS, SAND-SILT MIXTURES.
SP POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.

TO ACCOMPANY ENGINEERING SUPPLEMENT
TO LIMITED REEVALUATION REPORT
DATED: X