

SWG Form 267(c)

28 Jan 1965

PROJECT: Galveston Harbor and ChannelLOCATION: Galveston, Texas

TEST DATA SUMMARY

BORING NO. 3st-69

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					
	0-12 ⁵	Water																						
J-1	12 ⁵ -16	Gray Clay 12.5-50.0	CH				138.7																	
J-2	16-20						132.5				18.0	0	2	98	50	0	0	0	1					
J-3	20-24						133.3																	
C-1	24-27			VS	0.0		135.1	34																
C-2	27-30			VS	0.0		135.6	34																
C-3	30-32 ⁵			VS	0.0		132.7	35			19.5	0	0	100	50	0	0	0	0					
C-4	32 ⁵ -35			VS	0.0		135.2	35																
C-5	35-37 ⁵			VS	0.0		136.9	34																
C-6	37 ⁵ -40			VS	0.0		120.6	Unsuitable for test- Slumped																
C-7	40-42 ⁵			VS	0.0		116.8	39																
C-8	42 ⁵ -45			VS	0.0		106.3	41																
C-9	45-47 ⁵			VS	0.0		92.2	45																
C-10	47⁵-48																							
C-10	48-50			VST	2.25		41.8	80			28.0	0	2	98	50	0	0	1	1					
C-11	50-52 ⁵	Gray Clay	CL	ST	1.75		22.0	102			9.0	0	2	98	50	0	0	0	1					

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

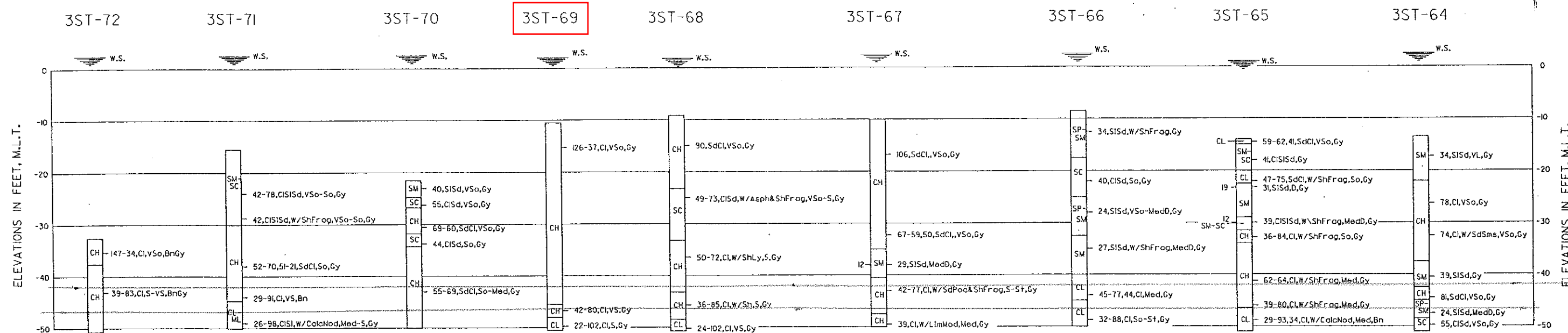
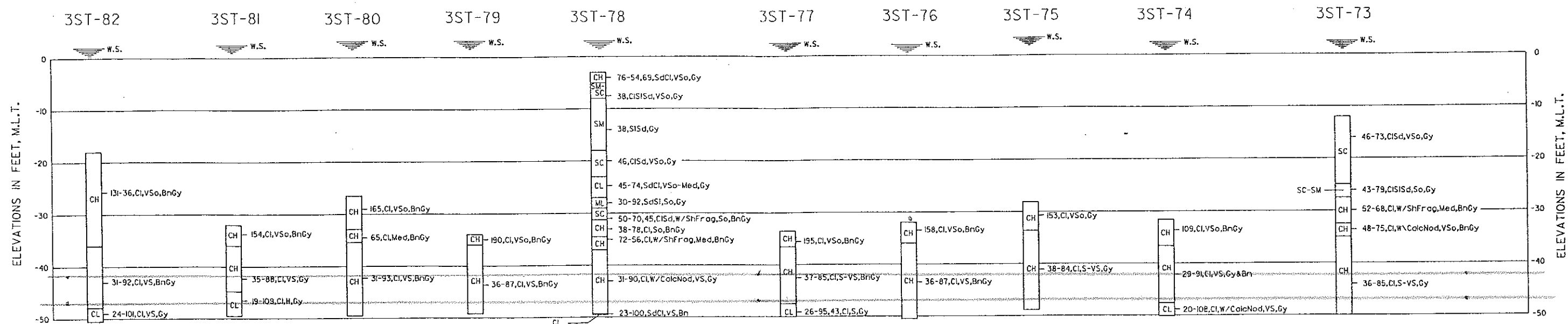
(1) Tons/Sq.Ft. Unconfined Compressive Strength

(2) Split Barrel Sampler

(3) Acc. Wt. Rtn'd ÷ Init. Wt. x 100 = % Rtn'd.

BORING NO. 3st-69

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-69		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED 3 Jars	
5. NAME OF DRILLER Curtis				14. TOTAL NUMBER CORE BOXES		UNDISTURBED 11 Cont	
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.				15. ELEVATION GROUND WATER			
7. THICKNESS OF OVERBURDEN				16. DATE HOLE 20 Dec		STARTED 20 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	12.5		Water				
12.5	16.0		Gray clay, no resistance 4 rods and tube			Jar 1	
16.0	20.0		Same as above, no resistance 4 rods and tube			Jar 2	
20.0	24.0		Gray clay, no resistance 4 rods and tube			Jar 3	
24.0	27.0		Gray clay, no resistance 4 rods and tube, v/soft			Cont. 1	0.0
27.0	30.0		Gray clay, no resistance 4 rods and tube, v/soft			Cont. 2	0.0
30.0	32.5		Gray clay, v/soft			Cont. 3	0.0
32.5	35.0		Gray clay, v/soft			Cont. 4	0.0
35.0	37.5		Gray clay, tr sand layer v/soft			Cont. 5	0.0
37.5	40.0		Gray clay, v/soft			Cont. 6	0.0
40.0	42.5		Gray clay, v/soft			Cont. 7	0.0
42.5	45.0		Gray clay, v/soft			Cont. 8	0.0
45.0	47.5		Gray clay, v/soft			Cont. 9	0.0
47.5	48.0		Same as above, no sample				
48.0	50.0		Brown clay, cal nod, stiff			Cont. 10	1.25
50.0	52.5		Gray sandy clay, stiff			Cont. 11	1.75
			BOTTOMED				



1. SOILS HAVE BEEN CLASSIFIED IN ACCORDANCE WITH MILITARY STANDARD 619B "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-UW), (LL-PL), (B.L.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)	Sa 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