

28 Jan 1965

PROJECT: Galveston Harbor

LOCATION: and Channel

TEST DATA SUMMARY

BORING NO. 3ST-71

DATE DRILLED 16 Dec 65

[illegible]

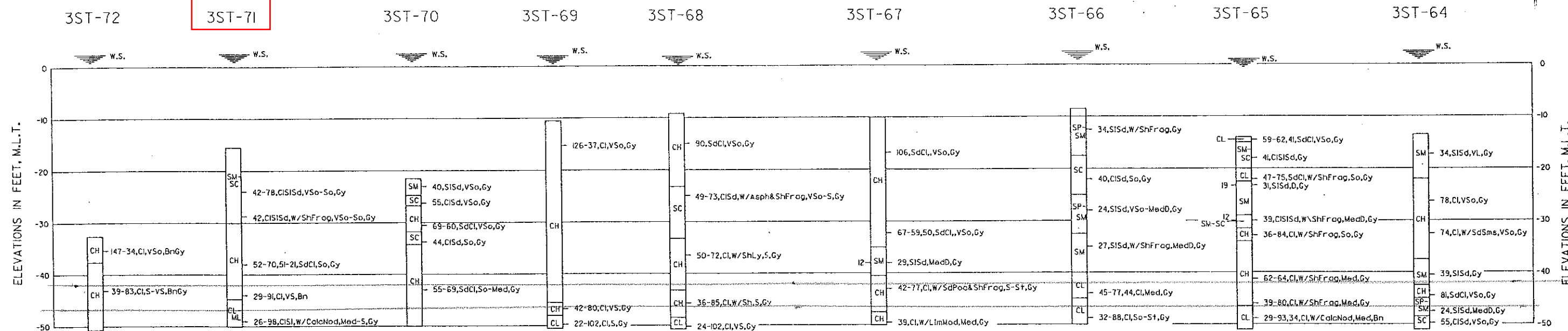
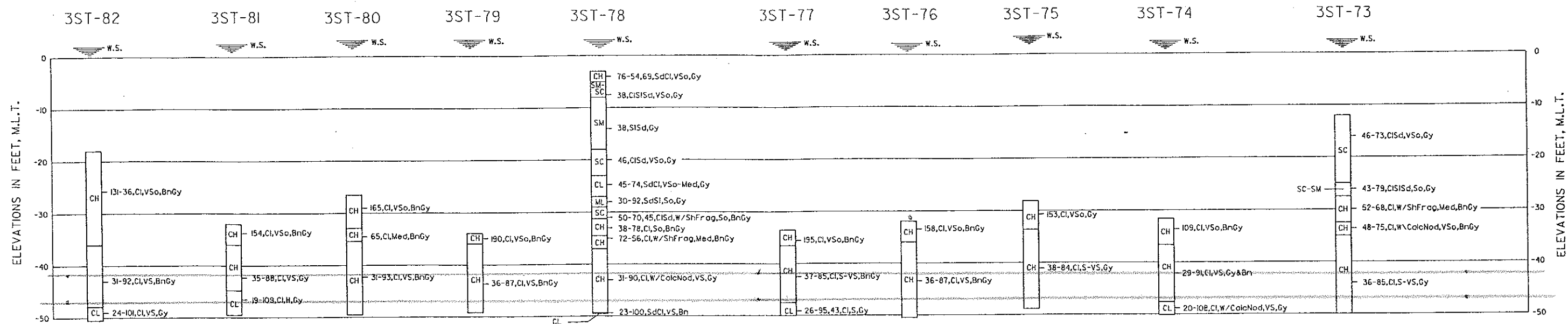
CONSISTENCY -- COHESIVE SOILS						CONSISTENCY -- COHESIONLESS SOILS				
VS	S	M	ST	VST	H	VL	L	M	D	VD
Very Soft	Soft	Medium	Stiff	Very Stiff	Hard	Very Loose	Loose	Medium	Dense	Very Dense

- (1) Tons/Sq.Ft. Unconfined Compressive Strength
- (2) Split Barrel Sampler
- (3) $\text{Acc. Wt. Rnd} \div \text{Inst. Wt.} \times 100 = \% \text{ Rnd.}$

BORING NO. 35T-71

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-71		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 1 Jar	UNDISTURBED 10 Cont	
5. NAME OF DRILLER Curtis			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 16 Dec		COMPLETED 16 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	18.0		Water			
18.0	20.0		Gray sandy clay, v/soft			Cont. 1 0.0
20.0	22.5		Same as above, no recovery			
22.5	25.0		Gray sandy clay, v/soft			Cont. 2 0.0
25.0	27.5		Gray sandy clay, no recovery			
27.5	30.0		Gray sandy clay, v/soft			Cont. 3 0.0
30.0	32.5		Gray sandy clay w/shell frag fine, v/soft			Cont. 4 0.0
32.5	35.0		Gray sandy clay w/shell frag fine, v/soft			Cont. 5 0.0
35.0	37.5		Same as above, no recovery			
37.5	40.0		Gray clay w/sand layers thin, w/shell frag, fine v/soft			Cont. 6q 0.0
40.0	42.5		Gray clay w/large amount of shell frag			Jar 1
42.5	45.0		Gray clay w/large amount of shell frag			Cont. 7
45.0	45.5		Same as above, no recovery			
45.5	47.5		Brown clay w/very fine silt pockets, stiff			Cont. 8 1.00
47.5	50.0		Gray silty clay, moist, w/cal nods, w/brown silt pockets, med			Cont. 9 0.75
50.0	52.5		Gray silty clay, moist, w/cal nods, w/brown silt pockets, stiff			Cont. 10 1.00
			BOTTOMED			
			Tide +2.5			



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),(IL,S.I.) 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