

28 Jan 1965

PROJECT: Golveston Harbor and Channel

LOCATION: Galveston, Texas

TEST DATA SUMMARY

BORING NO. 357-65

DATE DRILLED

[illegible]

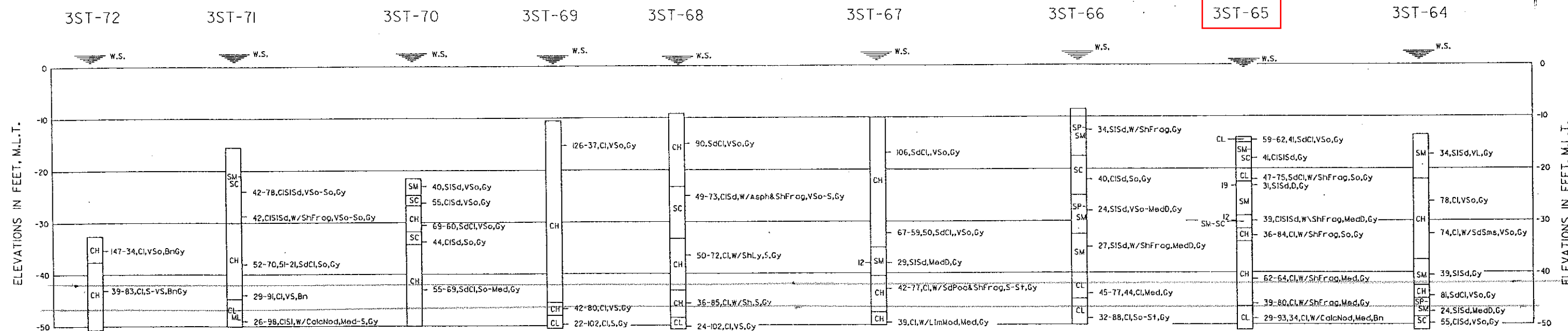
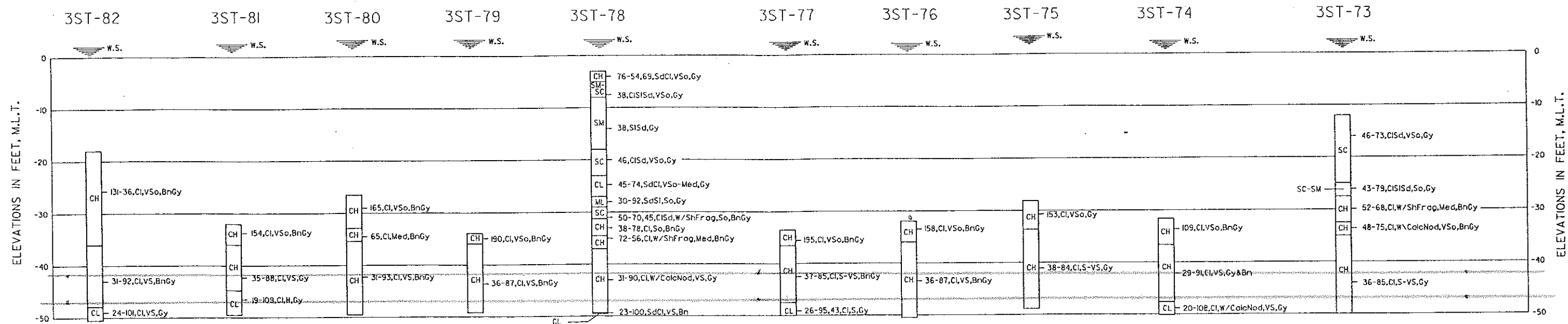
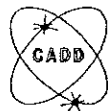
CONSISTENCY -- COHESIVE SOILS						CONSISTENCY -- COHESIONLESS SOILS				
VS	S	M	ST	VST	H	VL	L	M	D	VD
Very Soft	Soft	Medium	Stiff	Very Stiff	Hard	Very Loose	Loose	Medium	Dense	Very Dense

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

BORING NO. 357-65

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-65		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN		DISTURBED 4 Jars 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 20 Dec COMPLETED 21 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	15.0		Water			
15.0	16.0		Gray clay sand layers, v/soft			Cont. 1 0.0
16.0	19.0		Gray clayey sand			Jar 1
19.0	21.0		Same as above, washed			
21.0	23.5		Gray clay w/sand layers and small shell frag, soft			Cont. 2 0.25
23.5	25.0		Gray clayey sand 23.5-24.0 No count 24.0-24.5 9 blows 24.5-25.0 10 blows			Jar 2
25.0	28.0		Same as above, no recovery			
28.0	30.0		Gray clayey sand			Jar 3
30.0	32.0		Gray clayey sand 30.0-30.5 Seat pent 30.5-31.0 5 blows 31.0-31.5 7 blows 31.5-32.0 Hold sample			Jar 4
32.0	32.5		Same as above, no recovery			
32.5	35.0		Gray clayey sand, v/soft			Cont. 3 0.0
35.0	37.5		Gray clayey sand, v/soft			Cont. 4 0.0
37.5	40.0		Gray clayey sand, v/soft			Cont. 5 0.0
40.0	42.5		Gray clay w/fine shell frag soft			Cont. 6 0.25
42.5	45.0		Gray clay, w/fine shell frag soft			Cont. 7 0.25
45.0	47.5		Gray clay w/fine shell frag soft			Cont. 8 0.25
47.5	50.0		Gray clay, soft			Cont. 9 0.25
50.0	52.5		Gray brown silty clay medium			Cont. 10 0.0
			BOTTOMED			
			Tide #1.0			



NOTES:

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-UDW), (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.

VISUAL CLASSIFICATIONS

Bn Brownish
Calc Calcareous
Cl Clayey
D Dense
Frag Fragmental
Gy Grayish
H Hard
L Loose
Nod Nodules
Med Medium
S Stiff
Sa Sandy
Sh Shelly
SI Silty
So Soft
V Very
W With
W.S. Water Surface

LABORATORY CLASSIFICATION

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.

NOTE: BORINGS DRILLED DECEMBER 1965
LOCATIONS OF BORINGS SHOWN ON PLATE FD-38

HOUSTON-GALVESTON NAVIGATION CHANNELS, TEXAS

GALVESTON CHANNEL

BORING LOGS

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

TO ACCOMPANY ENGINEERING SUPPLEMENT
TO LIMITED REEVALUATION REPORT
DATED: X