

28 Jan 1965

PROJECT: Galveston Harbor and Channel

LOCATION: Ga. Iveston, Texas

TEST DATA SUMMARY

BORING NO. 357-78

DATE DRILLED

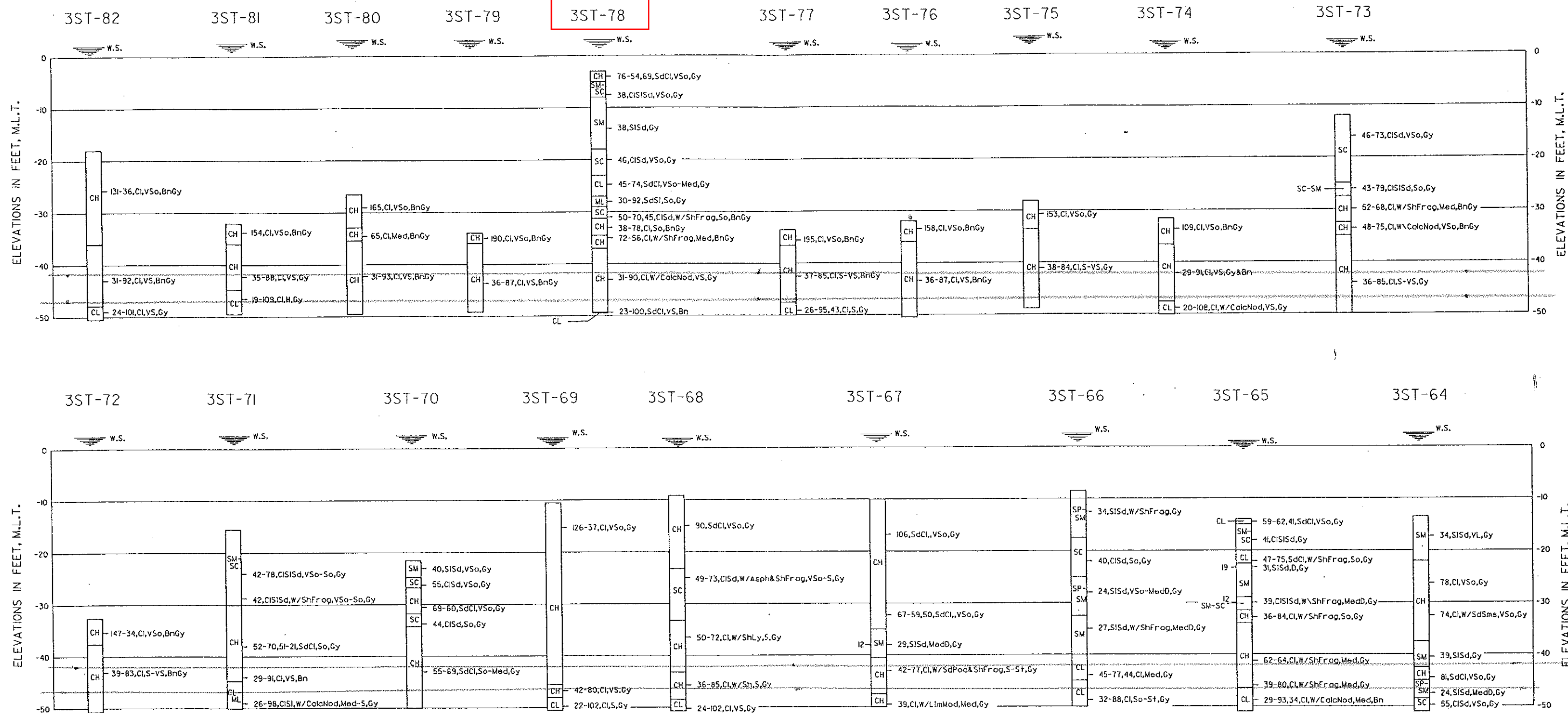
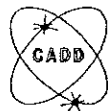
[illegible]

CONSISTENCY - COHESIVE SOILS						CONSISTENCY - COHESIONLESS SOILS					(1) Toes/5q.Ft. Unconfined Compressive Strength
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	(2) Split Barrel Sampler
											(3) Acc. Wt. $\times$ 100 $\div$ Init. Wt. $\times$ 100 = % Rnd.

BORING NO. 357-78

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) 10' North offset			
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-78			13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN		DISTURBED 3 Jars	
5. NAME OF DRILLER Curtis			14. TOTAL NUMBER CORE BOXES		UNDISTURBED 14 Cont	
6. DIRECTION OF HOLE ☐ VERTICAL ☐ INCINED _____ DEG. FROM VERT.			15. ELEVATION GROUND WATER			
7. THICKNESS OF OVERBURDEN			16. DATE HOLE		STARTED 15 Dec	
8. DEPTH DRILLED INTO ROCK			17. ELEVATION TOP OF HOLE		COMPLETED 15 Dec 1965	
9. TOTAL DEPTH OF HOLE 52.5			18. TOTAL CORE RECOVERY FOR BORING		%	
			19. SIGNATURE OF INSPECTOR			

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOV- ERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)
a	b	c	d	e	f	g
0.0	6.0		Water			
6.0	8.0		Gray clay, moist, v/soft			Cont. 1 0.0
8.0	9.5		Gray sandy clay w/shell frag moist, v/soft			Cont. 2 0.0
9.5	11.0		No sample			
11.0	13.5		Gray sandy clay			Jar 1
13.5	15.5		Gray sand			Jar 2
15.5	18.0		Gray sand			Jar 3
18.0	21.0		Same as above, no recovery			
21.0	23.5		Gray clay w/sand layers, v/soft			Cont. 3 0.0
23.5	26.0		Same as above, no recovery			
26.0	28.5		Gray sandy clay w/sand layers v/soft			Cont. 4 0.0
28.5	30.0		Gray sandy clay w/sand layers v/soft			Cont. 5 0.0
30.0	32.5		Gray sandy clay, v/soft			Cont. 6 0.0
32.5	35.0		Gray sandy clay, v/soft			Cont. 7 0.0
35.0	37.5		Gray sandy clay, v/soft			Cont. 8 0.0
37.5	40.0		Gray clay w/sand layers at 39.5, v/soft			Cont. 9 0.0
40.0	42.5		Brown clay, v/stiff			Cont. 10 2.00
42.5	45.0		Brown clay, v/stiff			Cont. 11 2.00
45.0	47.5		Brown clay, v/stiff			Cont. 12 2.00
47.5	50.0		Brown clay, v/stiff			Cont. 13 2.25
50.0	52.5		Brown clay, 50.0-52.3 Brown silty sand 52.3-52.5			Cont. 14 top-2.25 bottom 0.0
			BOTTOMED			
			Tide + 2.5			



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
Sd 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