SWG Form 267(C)
28 Jan 1965

PROJECT: Galveston Harbor and Channel

LOCATION: Galveston, Texas

TEST DATA SUMMARY

BORING NO. B-ST-80

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
	0-29.6	Water																
J-1	29.6-32.5	Gray, Brown Clay 29.6-53	CH				177.1											
J-2	32.5-35						170.5				19.0	0	2	98	50	0	0	0	1
J-3	35-36						146.5												
J-4	36-38.5						65.1												
C-1	38.5-40			ST	1.75		26.3	99											
C-2	40-42.5			VST	2.25		35.4	89											
C-3	42.5-45			VST	2.50		34.6	88			24.0	0	0	100	50	0	0	0	0
C-4	45-47.5			VST	2.75		30.0	94											
C-5	47.5-50			VST	2.25		29.0	96											
C-6	50-53			VST	2.00		33.2	91											
		Tide 43.1																	

KEY: (1) Tons/Sq.Ft. Unconfined Compressive Strength
(2) Undisturbed Core Sample
(3) Acc. Wt. Rtnd ÷ Init. Wt. x 100 = % Rtnd.

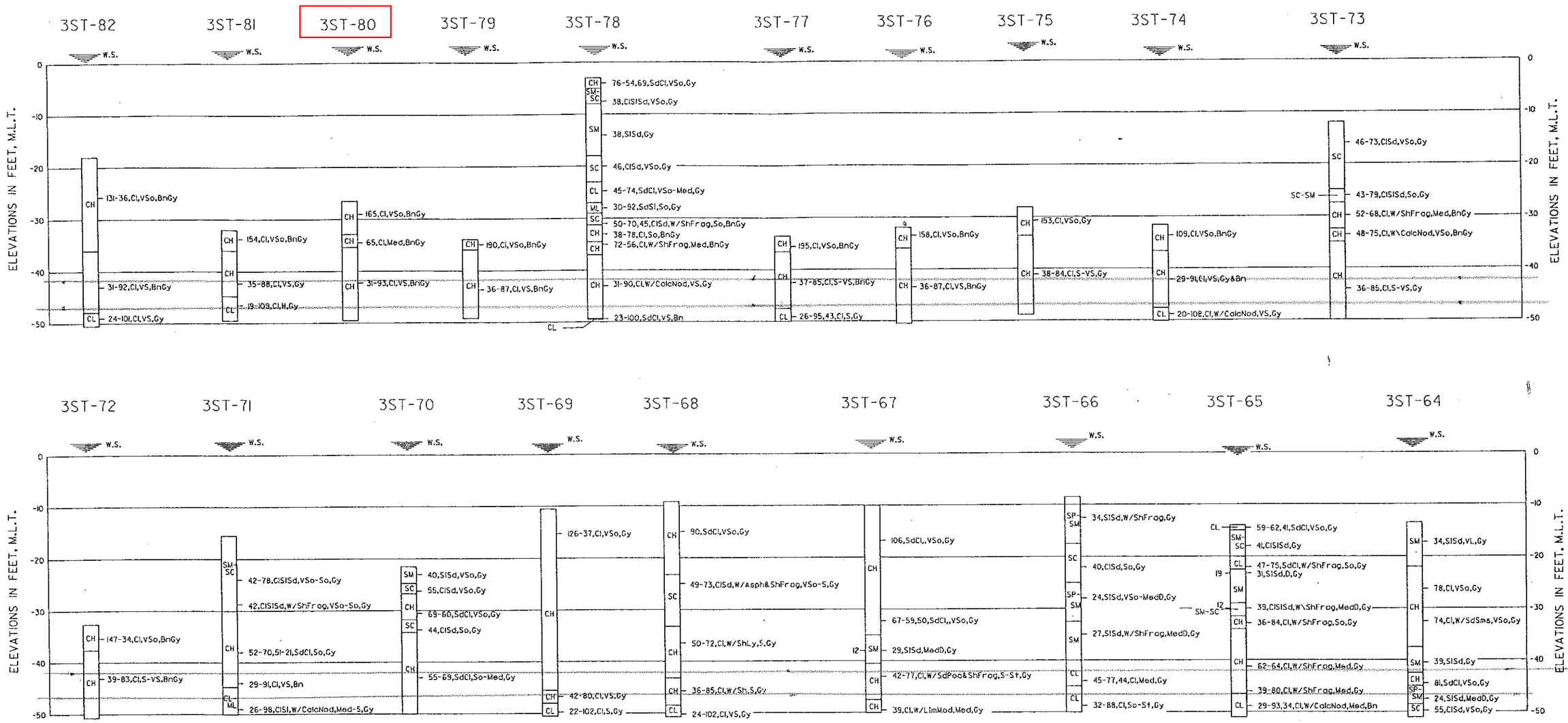
BORING NO. B-ST-80

Hole No. 3ST-80

DRILLING LOG	DIVISION	INSTALLATION	SHEET
	Southwestern	Galv Dist, Eng Div	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-80		13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN	DISTURBED: 4 Jars / UNDISTURBED: 6 Cont
5. NAME OF DRILLER: Curtis		14. TOTAL NUMBER CORE BOXES	
6. DIRECTION OF HOLE: ☐ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER	
		16. DATE HOLE	STARTED: 14 Dec / COMPLETED: 14 Dec 1965
7. THICKNESS OF OVERBURDEN		17. ELEVATION TOP OF HOLE	
8. DEPTH DRILLED INTO ROCK		18. TOTAL CORE RECOVERY FOR BORING	%
9. TOTAL DEPTH OF HOLE: 53.0		19. SIGNATURE OF INSPECTOR	

ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (Description) (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) (g)	
0.0	29.6		Water				
29.6	32.5		Gray clay, moist, tr of sand v/soft, weight 3 rods, 1 tube no resistance			Jar 1	0.0
32.5	35.0		Gray clay, moist, tr of sand v/soft, weight 3 rods, 1 tube no resistance			Jar 2	0.0
35.0	36.0		Same as above, moist, v/soft			Jar 3	0.0
36.0	38.5		Brown clay, medium			Jar 4	0.75
38.5	40.0		Brown clay, stiff			Cont. 1	1.50
40.0	42.5		Brown clay, v/stiff			Cont. 2	2.00
42.5	45.0		Brown clay, stiff			Cont. 3	1.75
45.0	47.5		Brown clay, v/stiff			Cont. 4	2.75
47.5	50.0		Brown clay, stiff			Cont. 5	1.50
50.0	53.0		Brown clay, stiff			Cont. 6	1.00
			BOTTOMED				
			Tide ⁄3.1				



NOTES;

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),(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 WHERE 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 Brown(ish)	Med Medium
Calc Calcereous	S Stiff
Cl Clay(ey)	Sd Sand(y)
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

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

PLATE FD-39