PORT ARASAS - CORRUS CHRISTI
WATERWAY, CHANNEL TO VIOLA

TEST DATA SUMMARY

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	D_{50}	ATTERBERG LIMITS LL	PL	SPECIFIC GRAVITY G	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS/CU FT	COMPACTION DATA OPTIMUM WATER %	MAXIMUM DRY DENSITY LBS/CU FT	SHEAR DATA INITIAL e	DRY DENSITY LBS/CU FT	W_i %	W_f %	S_i %	TYPE TEST	SPECIMEN SIZE INCHES	TEST	σ_{III} T/SQ FT	σ_I T/SQ FT	C T/SQ FT	Ø DEGREES	PERMEABILITY e	% FT/MIN	CONSOLIDATION DATA P_o T/SQ FT	P_c T/SQ FT	C_c	t_{50}*	REMARKS
BST 17	61-	0.0	= water surface (Elev +3.0 MLT)																														
		4.5	Water		2-1-99																												
	5603	8.0	SM	0	82	17	0.0		0.0		24.2	101.7																					Gray, silty sand (SM), v/soft
	X	10.0	SM		2-2-64																												Driller's Classification, same as above
	5604	12.0	SM	1	68	31			2.0		34.1																						Gray, silty sand (SM) w/shell fragments
	X	15.0	SM																														Driller's Classification, same as above
	5605	17.0	CL	Same as 61-5606							49.8																						Gray, sandy clay (CL)
	X	20.0	CL																														Driller's Classification, same as above
	5606	22.0	CL	0	29	71	.25	39.2	14.0		37.5	85.6																					Gray, sandy clay (CL), soft
	X	25.0	CL																														Driller's Classification, same as above
	5607	27.0	ML	0	33	67	.25		2.5		22.4	106.8																					Gray, sandy silt (ML), soft
	X	30.0	ML																														Driller's Classification, same as above
	5608	32.0	SM-SP								21.7																					14/30.0-31.5	Gray, silty sand (SM-SP), Dense.
	X	35.0	SM-SP		4-27-95																												Driller's Classification, same as above
	5609	36.5	SM-SP	2	86	11			0.0		15.6																					35/35.0-36	Gray, silty sand (SM-SP) v/dense, w/sandy clay pockets
	X	40.0																															Driller's Classification, light gray sandy clay w/ coarse sand layer
	5610	41.5	CL	0	30	70	3.0	29.1	10.0		14.5	118.9																					Gray to light gray sandy clay (CL), v/stiff
	X	45.5	CL																														Driller's Classification, same as above
	5611	47.5	CL	0	40	60	4.5	38.7	14.0		19.3	108.8																					Gray to light gray sandy clay (CL), hard

Bottomed @ a depth 47.5' below water surface in gray to light gray, sandy clay (CL)
Boring location: Sta. 1545+00 230' North of centerline
Tide Gage 3.7 @ 8:15 AM & 2.6 @ 4:15 PM

* Values at Pressure T/SQ FT

X NO Recovery

T - Triaxial Compression
UC - Unconfined Compression
DS - Direct Shear
UU - Unconsolidated Undrained
CD - Consolidated Drained
CU - Consolidated Undrained

Port Arenses
Corpus Christi
Waterway

LOG OF BORING NO. 35T-17 (42)
Tide +2.2 @ 1:30pm

TYPE: 3" Shelby Tube

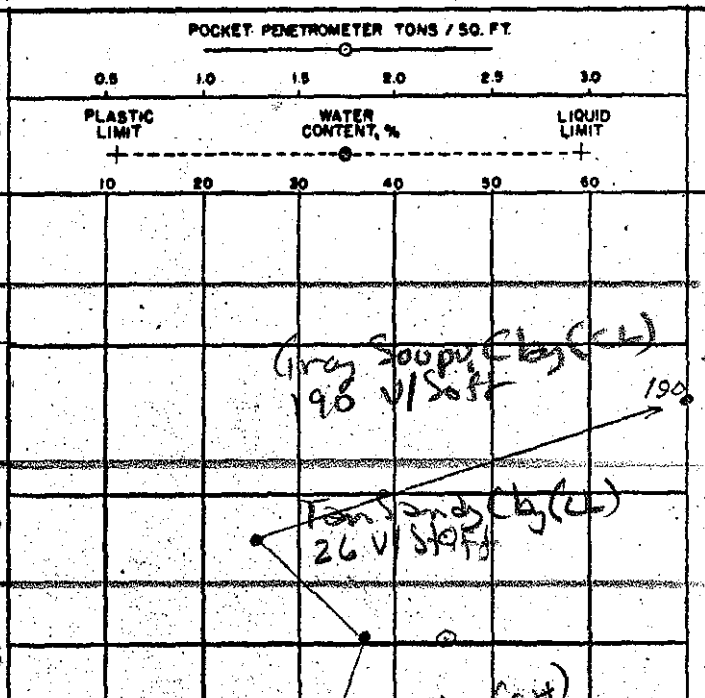
LOCATION:

DEPTH FT.	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL (SURF. EL.)	BLOWS PER FT.	UNIT DRY WT. LBS./CU.FT.
			Water 39.0'		
40	CL		Gray soupy clay		
	CL		Tan sandy clay v/stiff		97
			LS=8.0 0-48-52		
	CH		Tan clay, v/stiff		
45			LS=26.0 0-13-87		83
			LS=24.5 0-4-96		86
					83
50					84
			LS=25.5 0-11-89		
55					

POCKET PENETROMETER TONS / SQ. FT.
0.5 1.0 1.5 2.0 2.5 3.0

PLASTIC LIMIT — WATER CONTENT, % — LIQUID LIMIT
10 20 30 40 50 60

ELEVATION FT.



COMPLETION DEPTH 54.0
DATE 30 April 64

DEPTH TO WATER IN BORING

DATE

SWN 266(C)
22 AUG 62