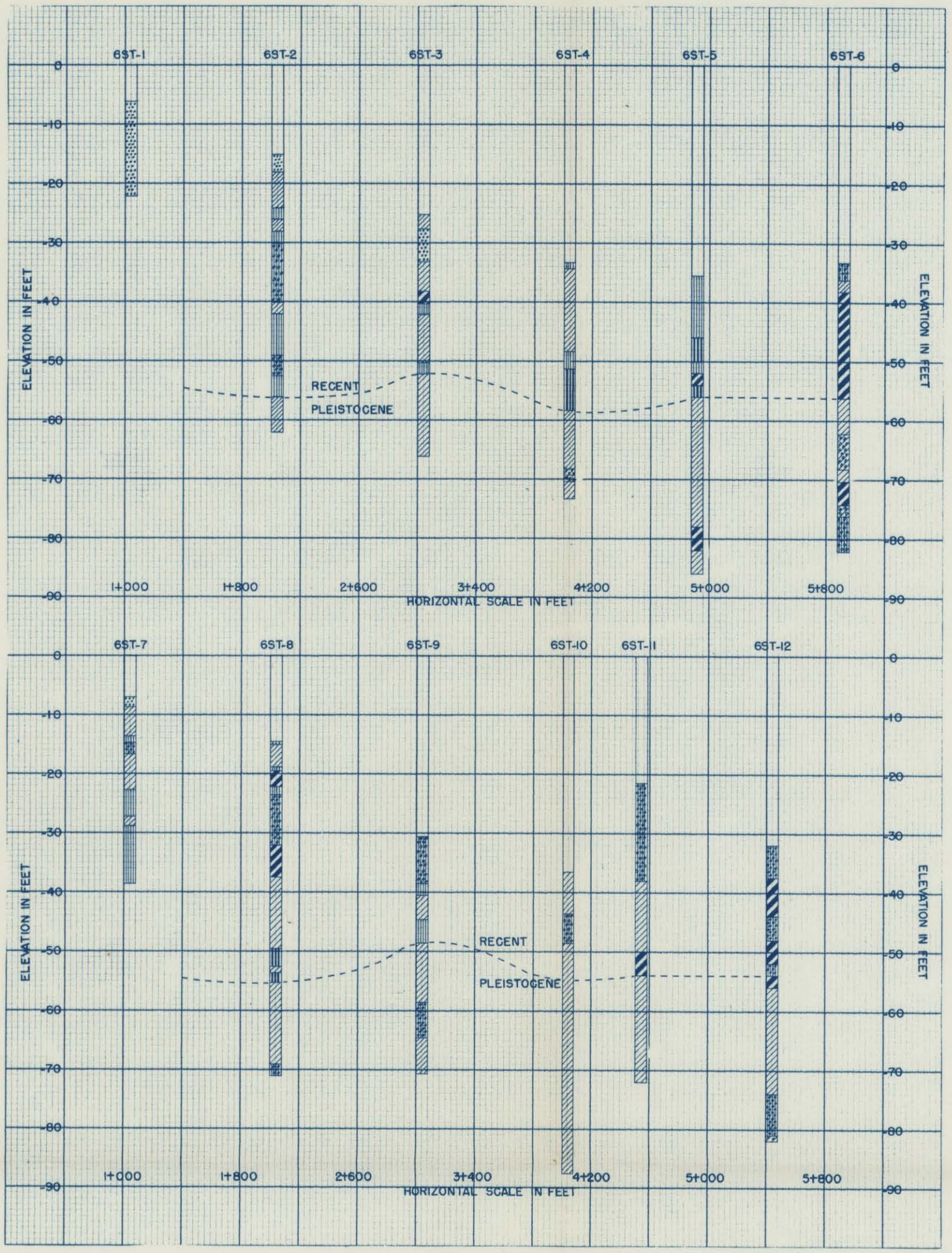

LEGEND

- WATER
- POORLY-GRADED SANDS
- SILTY SANDS
- CLAYEY SANDS
- INORGANIC SILTS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
- INORGANIC SILTS OR ELASTIC SILTS
- LEAN CLAYS, SILTY CLAYS, & SANDY CLAYS
- FAT CLAYS OF HIGH PLASTICITY

RECENT

RECENT-PLEISTOCENE CONTACT, FAIR CORRELATIONS

PLEISTOCENE

OFFICE OF THE DISTRICT ENGINEER
U.S. ARMY ENGINEER DISTRICT, GALVESTON
CORPS OF ENGINEERS
GALVESTON, TEXAS

DRAWN BY: M.D.S.	PORT ISABEL, TEXAS
GEOLOGY BY: M.D.S.	BRAZOS ISLAND HARBOR JETTIES
CHECKED BY: R.E.M.	GEOLOGIC CROSS SECTIONS
SUBMITTED BY: Ralph E. Mercer CHIEF, GEOLOGY SUB-SECTION	
CHIEF, FDN. & MTLS. BRANCH	CHIEF ENGINEERING DIVISION
	DATE 3 JAN. 1963
	SCALE: AS SHOWN
	SPEC. DATE
	DRAWING NUMBER
	PLATE NO. 2
	FILE NO.

Brazos Island Harbor Jetty

TEST DATA SUMMARY

Sheet ____ of ____

FEATURE Log of Soil Boring

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	D_{10}*	ATTERBERG LIMITS LL	PI*	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	K FT/MIN	CONSOLIDATION DATA P_O T/SQ FT	P_C T/SQ FT	C_c	t_{80}*	REMARKS
GST-62-3	S	0.0											Water																				
	6203	27.0	CL	0	16	18		43.9	17.0		36.0		Gray Sandy Clay (CL)																				12/27.5'-28.5'
	S	29.0											Driller's classification; Same as Above.																				
	S	29.5											Driller's classification; Same as Below.																				
	S	30.0											Driller's classification; Same as Below.																				
	6204	31.0	SP-SM	0	95	5			0.0		24.3		Gray Silty Sand (SP-SM)																				
	S	33.0											Driller's classification; Same as Above.																				
	6205	35.0	CL	4	43	53		31.1	11.5		37.8		Gray Sandy Clay (CL)																				
	S	37.0									(42)	89	Driller's classification; Same as Above.																				
	6206	38.0	CL	0	0	100	1.0	29.7	12.0		47.0	76.8	Gray Clay (CL) Stiff																				
	6207	40.0	CH	1	15	84	1.25	52	14.5		40.1	81.3	Gray Sandy Clay (CH) Stiff																				
	6208	42.0	ML	0	13	87	1.0	32.1	4.0		29.8	89.4	Gray Silt (ML) Stiff																				
	6209	44.0	Same as 6206		CL		1.25			37	37.1	85.0	Gray Clay (CL) Stiff																				
	6210	46.0	Same as 6206		CL		1.50				39.7	82.0	Gray Clay (CL) Stiff																				
	CS	48.0	Lost Sample								(38)	D.C.	Gray Sand, Some Clay																				
	6211	50.0	CL	0	8	92	1.25	38.7	10.5		36.6	86.8	Brown Clay (CL) Stiff																				
	6212	52.0	ML	0	14	86	1.75		1.0		28.0	98.3	Gray Silt (ML) Stiff																				
	6213	54.0	Same as 6206		CL		1.50				41.4	79.9	Gray Clay (CL) Stiff																				
	6214	56.0	CL	0	2	98	0.75	28.8	5.0		(38) 35.4	84.3	Gray Clay (CL) Medium	Medium to Stiff																			
	6215	58.0	Same as 6214		CL		2.50				26.1	98.8	Gray Clay (CL) Very Stiff																				
	6216	60.0	CL	0	15	85	3.0	31.5	9.0		22.6	105.1	Gray Sandy Clay (CL) Very Stiff																				
	6217	62.0	Same as 6216		CL		4.0			22	21.7	106.6	Gray Sandy Clay (CL) Hard	Stiff to V/Stiff																			
	6218	64.0	Same as 6216		CL		1.5				(25) 31.0	95.4	Gray Sandy Clay (CL) Stiff																				
	6219	66.0	Same as 6216		CL		1.75				23.7	101.7	Gray Sandy Clay (CL) Stiff																				
		68.0											Bottomed in Above																				

* Values at Pressure T/SQ FT

– Triaxial Compression
UC – Unconfined Compression
DS – Direct Shear
UU – Unconsolidated Undrained
– Consolidated Drained
CU – Consolidated Undrained