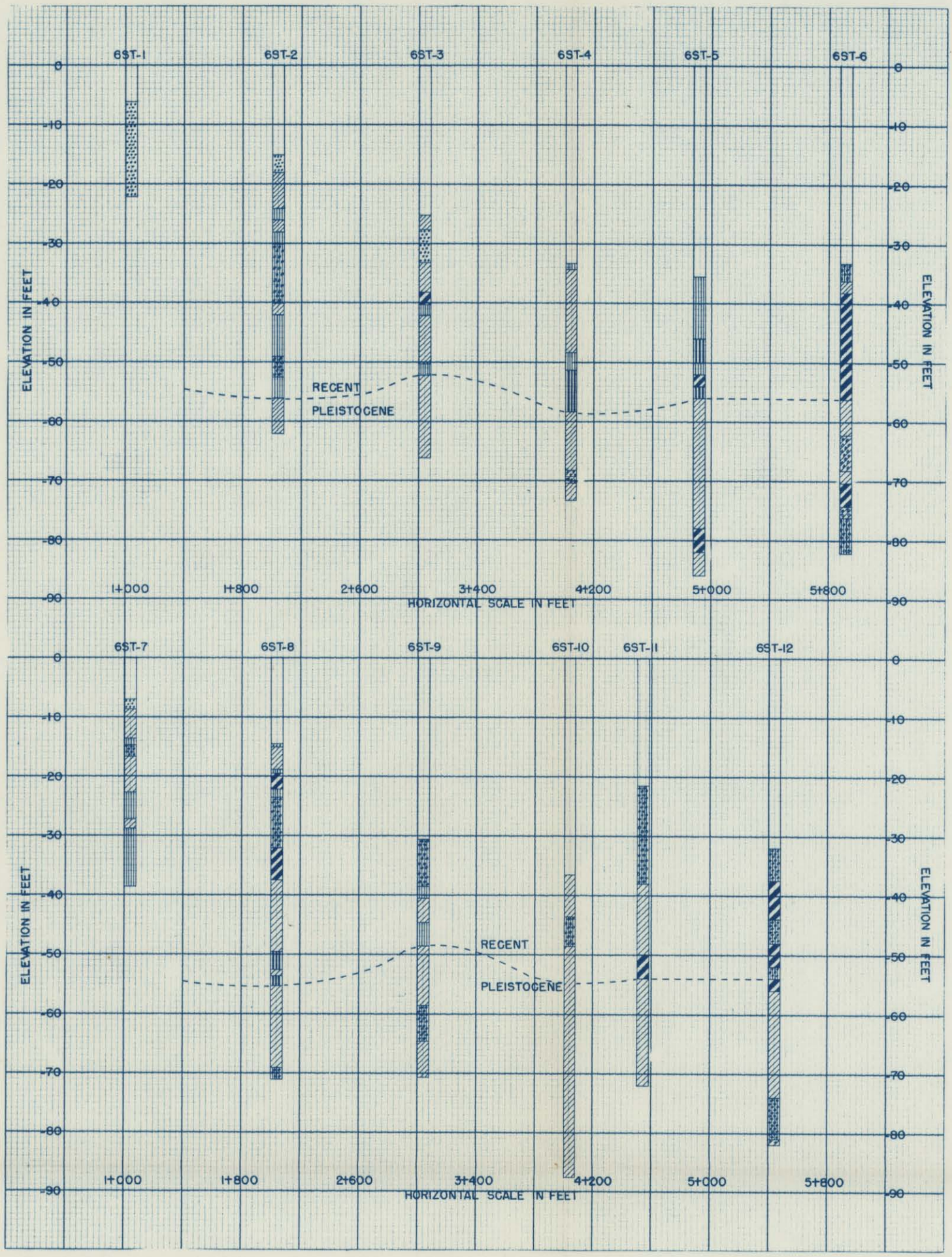

LEGEND

- 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

REGENT-PLEISTOCENE CONTACT, FAIR CORRELATIONS

PLEISTOCENE

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PORT ISABEL, TEXAS
BRAZOS ISLAND HARBOR JETTIES
GEOLOGIC CROSS SECTIONS

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	PL*	SPECIFIC GRAVITY G	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS/CU FT	COMPACTION DATA: OPTIMUM WATER %	MAXIMUM DRY DENSITY LBS/CU FT	REMARKS
6ST 1	S-62-	0.0													Water
	6180 S	8.0 – 10.0	SP	6	92	2					24.9				Gray Sand (SP) Washed · Driller's classification: Same as Above.
											(23)				
	6181 S	11.0 – 13.0	Same as 6180								21.6				Gray Sand (SP) Washed · Driller's classification: Same as Above.
	6182	16.0 – 17.5	SP-SM	0	94	6					28.9				Dk. Gray Silty Sand (SP-SM) Very Dense
	6183 S	17.5 – 19.0	SP-SM	0	91	9					12.9				Gray Silty Sand (SP-SM) V/ Dense
											(21)				Washed
	6517 S	20.0 – 22.5	Same as 6183								21.5				Washed · Driller's classification: Same as Above.
		24.0									21.5				Gray Silty Sand (SP-SM) Medium Dense
															Unable to Complete Hole Due to Foreign Material Imbedded in Sand.

BORING NO.	SAMPLE NO.	DEPTH OR ELEV OF SAMPLE	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_1 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_{50}*	REMARKS
6ST 1	S-62-	0.0																			
	6180 S	8.0 – 10.0																			
	6181 S	11.0 – 13.0																			
	6182	16.0 – 17.5																			52/16.5'-17.5'
	6183 S	17.5 – 19.0																			29/18'-19'
	6517 S	20.0 – 22.5																			
		24.0																			69/23'-24'

NOTE: Standard split spoons drive penetration test results are shown in REMARKS column. Num. No. of blows/test depth. Spoon penetrated 1 foot under weight of and number of blows required to drive it.

* Values at Pressure T/SQ FT

* Penetrometer Readings ($\frac{Tons}{SQ\ FT}$)

** Linear Shrinkage

$\bar{}_{TC}$ Triaxial Compression
$\bar{}_{UC}$ Unconfined Compression

DS – Direct Shear
UU – Unconsolidated Undrained

– Consolidated Drained
CU – Consolidated Undrained

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