BRAYS BAYOU
Channel Rectification
Summary of Identification Test Data
Table 1

Boring No.	Sample Depth ft.	District Serial No.	Density Data M.C. %	Density Data U.D.W. lbs/cu.ft.	Liquid Limit %	Plasticity Index %	Bar L.S. %	Sieve Analysis Gr.	Sieve Analysis Sa.	Sieve Analysis Fines	Reference Sample No.	Stratum Depth ft.	Classification
6ST-13 ~~(cont)~~	0.0-2.0	55-3790	23.5 24 – 102	101.5	40.7	20.3	12.0	0	20	80	---	0.0-2.0	Light Gray to Rust to Brown, Clay, CL, roots present
	2.0-4.0	3791	20.6	104.1	48.2	32.0	17.5	0	16	84	*	2.0-12.0	Tan to Gray to Light Gray, Clay, CL, stiff, calcareous concretions present
	4.0-6.0	3792	19.2	102.7	---	---	---	---	---	---	55-3791		
19.6-105	6.0-8.0	3793	21.7	97.5	---	---	---	---	---	---	55-3791		
	8.0-10.0	3794	16.4	105.2	---	---	---	---	---	---	55-3791		
	10.0-12.0	3795	20.2	115.1	---	---	---	---	---	---	55-3791		
	12.0-14.0	3796	16.8	105.4	---	---	---	---	---	---	55-3266	12.0-19.0	Tan to Light Gray, Clay, CL, plastic to stiff, some fine calcareous gravel
15.6-112	14.0-15.5	3797	15.7	111.1	---	---	---	---	---	---	55-3266		
	15.5-17.0	3798	13.0	116.5	---	---	---	---	---	---	55-3266		
15.6-117.3	17.0-19.0	3799	17.3	114.9	---	---	---	---	---	---	55-3266		
	19.0-20.5	3800	15.1	118.1	---	---	---	---	---	---	55-3275	19.0-22.0	Tan to Light Gray and Rust, Clay, CH, stiff to hard
	20.5-22.0	3801	16.0	116.5	---	---	---	---	---	---	55-3275		
	22.0-23.5	3801A	15.3	116.7	---	---	---	---	---	---	55-3334	22.0-27.0	Tan to Light Gray, Sandy Clay, CL, plastic to stiff, calcareous concretions present
	23.5-24.5	3802	15.6	115.7	---	---	---	---	---	---	55-3334		
16-116	24.5-26.0	3803	16.3	115.6	---	---	---	---	---	---	55-3334		
	26.0-27.0	3804	16.1	115.2	---	---	---	---	---	---	55-3334		

BRAYS BAYOU
Channel Rectification
Summary of Identification Test Data
Table 1

Boring No.	Sample Depth, ft.	District Serial No.	Density Data M.C., %	Density Data U.D.W., lbs/cu.ft.	Liquid Limit, %	Plasticity Index, %	Bar L.S., %	Sieve Analysis Gr.	Sieve Analysis Sa.	Sieve Analysis Fines	Reference Sample No.	Stratum Depth ft.	Classification
6ST-13 (cont'd)	27.0-28.5	55-3805	13.0	---	---	---	---	---	---	---	---	27.0-28.5	Rust to Light Gray, Cemented Sand Fragments
	28.5-30.0	No Sample		---	---	---	---	---	---	---	---	28.5-30.0	Gray to Tan, Sand, Fine
	30.0-32.0	3806	20.7	---	---	---	0.0	1	0-1-70 71	28	---	30.0-32.0	Light Gray to Rust, Silty Sand, SM
	32.0-40.0	3807	22.5	---	---	---	0.0	1	1-1-77 79	20	---	32.0-40.0	Tan to Rust, Silty Sand, SM
6ST-14	0.0-2.0	55-3808	12.6	92.8	24.0	7.1	4.5	0	0-0-63 63	37	*	0.0-2.0	Tan to Brown, Clayey Sand, SC, grass roots
	2.0-3.0	3809	6.9	---	23.8	7.1	4.5	0	26	74	---	2.0-3.0	Gray, Sandy Clay, CL, Crumbly
	3.0-4.5	3810	12.5	---	38.4	22.2	13.0	0	27	73	---	3.0-4.5	Rust to Gray, Sandy Clay, CL, stiff
	4.5-6.0	3811	13.2	---	34.0	16.8	10.0	0	35	65	---	4.5-6.0	Gray to Brown, Sandy Clay, CL, plastic to stiff
	6.0-8.0	3812	8.0	93.1	---	---	---	---	---	---	55-3808	6.0-10.0	Tan to Brown, Clayey Sand, SC
	8.0-10.0	3813	12.7	89.7	---	---	---	---	---	---	55-3808		
	10.0-12.0	3814	16.2	---	---	---	2.0	0	0-0-68 68	32	---	10.0-12.0	Tan to Gray, ~~Silty~~ clayey Sand, SM, moist
	12.0-14.0	3815	21.2	111.8	25.6	9.7	6.0	0	0-0-53 53	47	---	12.0-14.0	Tan to Gray, Clayey Sand, SC, plastic, trace of organic material

TABLE I (CON'D.)

TEST DATA SUMMARY
BRAYS BAYOU CHANNEL RECTIFICATION
SUMMARY OF IDENTIFICATION TESTS

BORING NO.	Elev.	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	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_{50}*	REMARKS BLS
6ST-	45.5	0.0-	CL	0	18	82		44	18		21	101																					15
13		8.0		Tan to Light Gray Clay, stiff, calcareous concretions present																													
		8.0-	CL								16	113																					
		22.0		Tan to Light Gray Clay, plastic to stiff, fine calcareous gravel																													
		22.0-	CL								15	116																					
		28.5		Tan to Light Gray Sandy Clay, plastic to stiff, calcareous concretions present																													
		28.5-	SM	1	75	24					22																						0
	5.5	40.0		Tan to Rust Silty Sand																													
6ST-	42.2	0.0-	SC	0	63	37		24	17		13	93																					5
14		2.0		Tan to Brown Clayey Sand, grass roots																													
		2.0-	CL	0	29	71		32	17		11																						9
		6.0		Gray to Rust Sandy Clay, plastic to stiff																													
		6.0-	SC	1	58	41		23	16		16	98																					4
		16.5		Tan to Gray Clayey Sand																													
		16.5-	CL	0	15	85		38	18		17	117																					12
		30.0		Tan to Rust Clay, hard, calcareous																													
		30.0-	CL	0	26	74		28	18		21	106																					7
		33.0		Rust to Light Gray Sandy Clay, stiff																													
		33.0-	ML	0	48	52					23	102																					2
	7.2	35.0		Light Gray to Rust Sandy Silt, firm																													
6ST-	45.8	0.0-	CL	0	34	66		28	16		16																						7
15		4.0		Tan to Gray Sandy Clay, plastic																													
		4.0-	CH								22	106																					
		6.0		Dark Gray to Black Clay, stiff																													
		6.0-	CL								17	112																					
		14.5		Tan to Light Gray Sandy Clay, stiff to hard																													
		14.5-	SC	0	62	38		26	18		12	105																					5
		15.5		Tan to Light Gray Clayey Sand																													
		15.5-	CL	0	23	77		35	10		16	104																					15
		18.5		Tan to Light Gray Sandy Clay, stiff, pockets of fine sand																													
		18.5-	CL	0	41	59		25	14		17																						7
		21.0		Tan to Light Gray Sandy Clay, plastic, some calcareous material																													
		21.0-	SM																														
		23.0		Gray Sand																													
		23.0-	CH								28	98																					
		24.0		Tan to Light Gray Clay, plastic to stiff																													
		24.0-	CL								16	115																					
		30.0		Tan to Light Gray Clay, plastic to stiff, calcareous concretions																													
		30.0-	CL	0	23	77		34	19		18	113																					9
		31.5		Tan to Light Gray Sandy Clay, stiff, calcareou concretions																													
		31.5-	SM																														
		33.0		Tan to Gray Sand																													
		33.0-	SC	32	36	32		30	13		17																						11
		33.5		Tan to Light Gray Clayey Gravelly Sand, plastic																													
		33.5-	ML	0	11	89					23																						3
	10.8	35.0		Gray to Rust Silt, soft																													

* Values at Pressure T/SQ FT

– Triaxial Compression
UC – Unconfined Compression

DS – Direct Shear
UU – Unconsolidated Undrained

– Consolidated Drained
CU – Consolidated Undrained

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Chief, Foundations and Materials Branch DATE: 7 December 1955

FROM : Chief, Investigation and Testing Section

SUBJECT: Brays Bayou--Elevation of Foundation Borings

1. On the above date Mr. Norman Brown, Galveston Area Engineer, furnished this office with a completed list of elevations on the Brays Bayou foundation borings. Elevations listed below were those submitted.

Hole Number	Elevation (M. S. L.)
6ST-1	16.02
2	22.47
3	15.73
4	25.64
5	13.45
6ST-9	40.82
10	36.60
11	43.35
12	43.49
13	45.45
14	42.19
15	45.79
6ST-26	46.84
27	49.91
28	49.29
29	49.90

Ernest H. Wittig, III
Chief, Investigation and
Testing Section

* Elevation of natural ground (MSL) above opposite boring

BRAYS BAYOU CHANNEL RECTIFICATION
Summary of Water Table Measurements
Table 1 Addendum 2

Boring No.		Water Level	Remarks
6ST-5	13.23*	20.0	(a) Completed boring at 1130 27 July 1956
		10.2	(b) Water level at 0845 30 July 1956
6ST-7	23.29	30.0	(a) Completed boring at 1000 27 July 1956
		8.3	(b) Water level at 0830 30 July 1956
6ST-9	33.19	32.0	(a) Completed boring at 0900 27 July 1956
		27.0	(b) Water level at 0815 30 July 1956
6ST-10	36.08	30.5	(a) Completed boring at 0800 27 July 1956
		29.0	(b) Water level at 0800 30 July 1956
6ST-11	37.50	33.0	(a) Completed boring at 1300 26 July 1956
		28.3	(b) Water level at 1345 27 July 1956
6ST-12	39.50	30.0	(a) Completed boring at 1030 26 July 1956
		23.8	(b) Water level at 1330 27 July 1956
6ST-13	44.36	33.5	(a) Completed boring at 0930 26 July 1956
		26.5	(b) Water level at 1315 27 July 1956
6ST-14	42.32	14.0	(a) Completed boring at 0830 26 July 1956
		12.8	(b) Water level at 1300 27 July 1956
6ST-15	46.32	23.0	(a) Completed boring at 0730 26 July 1956
		----	(b) Water level at 1245 27 July 1956, hole caved at 18.0'
6ST-30	10.84	8.0	(a) Completed boring at 1200 23 July 1956
		----	(b) Water level at 1230 24 July 1956, hole caved at 4.6'
6ST-31	13.57	13.5	(a) Completed boring at 1300 23 July 1956
		----	(b) Water level at 1240 24 July 1956, hole caved at 5.5'
6ST-32	6.09	16.5	(a) Completed boring at 1400 23 July 1956
		6.2	(b) Water level at 1300 24 July 1956
6ST-33	6.90	3.0	(a) Completed boring at 1500 23 July 1956 in fill material
		----	(b) Water level at 1315, hole caved at 2.6'
6ST-34	21.91	25.0	(a) Completed boring at 0800 24 July 1956
		20.2	(b) Water level at 1030 25 July 1956
6ST-35	10.27	13.0	(a) Completed boring at 1300 24 July 1956
		----	(b) Water level at 1050 25 July 1956, hole caved at 9.6'