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_{FI} 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-		29.0-	SP	0	98	2					30																						0
125		32.0		Tan Sand, soft, watery																													
(Con'd)		32.0-	CL	0	8	92		41			19	112																					15
		40.0		Light Gray to Rust Clay, hard, calcareous																													
6ST-		0.0-	CL	0	16	84		44			17																						16
126		8.0		Gray to Rust Clay, hard, with roots																													
		8.0-	CL	3	35	62		33			16																						12
		17.5		Tan to Light Gray Sandy Clay, hard, calcareous																													
		17.5-	SM	0	82	18					8																						1
		21.0		Light Gray Silty Sand, loose																													
		21.0-	SP	0	92	8					33																						0
		35.0		Tan to Rust Sand, soft, watery																													
		35.0-	CH	0	3	97		54			24	100																					22
		39.0		Tan to Rust Clay, hard, calcareous																													
		39.0-	CL	0	11	89		47			19	108																					19
		41.0		Rust Clay, hard, calcareous																													
6ST-		0.0-	CL	0	22	78		29			11	115																					10
127		2.0		Gray Sandy Clay, hard																													
		2.0-	CL	0	14	86		40			17	110																					15
		12.0		Tan to Light Gray Clay, hard, calcareous																													
		12.0-	CL	0	24	76		26			19	105																					6
		15.0		Tan to Rust Sandy Clay, hard, calcareous concretions																													
		15.0-	SM	0	61	39					6																						0
		18.0		Rust Silty Sand, loose																													
		18.0-	CL								21																						
		20.0		Rust Sandy Clay, firm, calcareous																													
		20.0-	SM	0	80	20					34																						0
		32.0		Rust Silty Sand, soft, watery																													
		32.0-	CH	0	4	96		59			23	105																					22
		38.0		Tan to Rust Clay, hard, calcareous																													
		38.0-	CL	0	8	92		48			20	109																					18
		41.0		Rust to Light Gray Clay, hard, calcareous																													
8A-		0.0-	CL	1	16	83		40			18																						14
152		11.5		Light Gray to Brown Clay, hard																													
		11.5-	CL	2	15	83		28			16																						8
		19.5		Light Gray to Rust Clay, firm to hard																													
		19.5-	ML	0	27	73					40																						0
		26.5		Tan Sandy Silt, soft, watery																													
		26.5-	SM	0	82	18					36																						0
		32.5		Rust Silty Sand, soft, watery																													
		32.5-	CH	0	5	95		56			22	106																					20
		36.0		Tan to Rust Clay, hard, calcareous																													
		36.0-	CL	0	5	95		48			19	113																					18
		40.0		Rust Clay, hard, calcareous																													

* Values at Pressure T/SQ FT

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

CHANNEL RECTIFICATION

BRAYS BAYOU

TEST DATA SUMMARY

FEATURE Log of Soil Borings

TABLE 1

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	★	ATTERBERG LIMITS LL	PL	SAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
8A-	57-	0.0		19			101			15.0		
152	3945	3.0	0	19	81	–	43.6		14.0	23.7	—	B, Cl(CL), Hd, w/Rts.
	3946	7.0	4	15	81	–	39.8		15.0	15.8	—	Ru, Cl(CL), Hd, Calc. 18
	3947	11.5	0	13	87	–	36.7		13.0	15.5	—	T-L, Cl(CL), Hd.
	3948	16.0	1	15	84	–	29.6		8.5	15.4	—	L-LtBr, Cl(CL), Hd, Calc.
	3949	19.5	2	15	83	–	26.3		8.0	17.2	—	Ru, Cl(CL), F.
	3950	26.5	0	27	73	–	–		0.0	40.2	—	LtBr, SaSi(ML), So, Wa. 10
	3951	32.5	0	~~0.0.82~~ 82	18	–	–		0.0	36.0	—	Ru, SiSa(SM), So, Fi, Wa 36
xx	3952	34.0	0	4	96	4.4	53.3		20.0	20.1	106.8	T-L, Cl(CH), Hd, Calc.
xx	3953	36.0	0	7	93	4.4	58.0		20.0	23.2	104.3	L-Ru, Cl(CH), Hd, Calc 20
xx	3954	38.0				4.5+				18.1	111.9	L-Ru, Cl(CH), Hd, Calc.
xx	3955	40.0	0	5	95	4.5+	48.1		18.0	19.3	114.0	LtBr, Cl(CL), Hd, Calc. 19

BOTTOMED AT 40.0' IN LtBr, Cl(CL), Hd, Calc.

NOTE: Hole Bailed to 23.0' AT 1:00 PM
Hole Caved in at 1:05 PM
Water Level at 1:15 PM – 21.5'
Water Level at 2:00 PM – 21.2'
Hole Caved to 20.2' at 2:00 PM.

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	GRAVEL %	SAND %	FINES %	★	LL	PL	SAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
6ST-	57-	0.0										
153	4051	2.0	0	21	79	4.5+	34.1		11.0	14.2	106.6	B, SaCl(CL), Hd, w/Rts.
	4052	4.0	0	22	78	4.5+	39.0		15.0	12.8	119.9	G, SaCl(CL), Hd, Oily odor.
	4053	5.5	0	23	77	4.5+	36.5		13.0	14.4	108.3	Mott, T, L, ±D, SaCl(CL), Hd, Fe, Calc.
	4054	7.0	1	27	72	4.5+	31.7		10.5	13.6	115.6	L-LtBr, SaCl(CL), Hd, Calc. 14
	4055	8.5	0	30	70	–	25.4		7.0	12.5	—	L-LtRu, SaCl(CL), Hd.
	4056	10.0	0	13	87	4.5+	41.0		16.0	18.4	104.5	Layered, Ru, Cl(CL), Hd, Calc.
	4057	12.0				4.5+				16.1	110.1	T-L, Cl(CL), St-Hd, Fe. 17
	4058	14.0	0	12	88	4.5+	41.4		15.0	19.1	110.0	T-L, Cl(CL), St-Hd, Fe.

★ – Laboratory Penetrometer Readings
xx – 3" Shelby Tube Samples.

DLR – 627

GD FORM 23 AUG. 56 053-R