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-		16.5-	SP	0	97	3					25																						0
95		37.5		Tan to Light Gray Sand, soft, wet																													
(Con'd)		37.5-	CL	0	4	96		25			22	103																					4
		39.0		Light Gray to Rust Clay, soft, calcareous nodules																													
		39.0-	CL	0	6	94		46			22	106																					19
	18.0	40.5		Light Gray to Rust Clay, hard, calcareous																													
6ST-	56.8	0.0-	CL	0	21	79		40			16	112																					17
98		11.0		Brown to Gray Sandy Clay, hard, calcareous concretions																													
		11.0-	SM	0	68	32					14	110																					3
		17.5		Tan Silty Sand, firm																													
		17.5-	CL	0	17	83		39			14	118																					13
		21.5		Light Gray to Tan Clay, hard, calcareous																													
		21.5-	CL	1	30	69		29			18	111																					7
		25.0		Light Gray Sandy Clay, hard																													
		25.0-	SM	0	78	22					36																						0
	21.8	35.0		White Silty Sand, soft, watery																													
6ST-	60.0	0.0-	SM	0	87	13					19	102																					0
99		3.0		Light Gray Silty Sand, firm																													
		3.0-	CH	0	23	77		51			18	109																					18
		5.0		Brown Sandy Clay, hard, calcareous																													
		5.0-	CL	0	35	65		37			15	113																					13
		10.5		Tan to Gray Sandy Clay, hard, calcareous																													
		10.5-	SC	0	60	40					11	109																					8
		12.5		Tan to Light Gray Clayey Sand, hard																													
		12.5-	CL	0	33	67					9	109																					7
		14.5		Tan to Light Gray Sandy Clay, hard, silty																													
		14.5-	SM	0	74	26					11	100																					2
		16.5		Light Gray Silty Sand, firm with roots																													
		16.5-	SM	0	85	15					31																						0
		18.5		White Silty Sand, soft, watery																													
		18.5-	CL	0	27	73		35			16	116																					11
		22.0		Tan to Light Gray Sandy Clay, hard, calcareous concretions																													
		22.0-	SC	0	54	46					15	116																					6
		23.5		Tan to Light Gray Clayey Sand, firm, calcareous concretions																													
		23.5-	SP	0	94	6					33																						0
		27.0		Gray Sand, soft, watery																													
		27.0-	SM	0	88	12					35																						0
	25.0	35.0		Gray Silty Sand, Soft, watery																													
6ST-	57.0	0.0-	CL	0	31	69		35			13	114																					10
100		12.0		Light Gray Sandy Clay, hard																													
		12.0-	SM	0	64	36					18	110																					1
		14.5		Tan to Light Gray Silty Sand, firm, damp																													
		14.5-	SP	0	98	2					35																						0
		17.0		Gray Sand, soft, watery																													
		17.0-	CL	0	39	61		34			15	118																					8
		20.0		Light Gray to Tan Sandy 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

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CHANNEL RECTIFICATION
BRAYS BAYOU

SUMMARY OF IDENTIFICATION TESTS ON SAMPLES FOR SHEAR AND CONSOLIDATION TESTS
HOUSTON, TEXAS

TABLE 1

ADDENDUM NO. 16

BORING NO	SAMPLE DEPTH FT	DISTRICT SERIAL NO	DENSITY DATA M. C., %	DENSITY DATA U.D.W. lbs/cu.ft.	SPECIFIC GRAVITY	ATTERBERG LIMITS L.L.	ATTERBERG LIMITS P.L.	ATTERBERG LIMITS P.I.	BAR L.S.	SIEVE ANALYSIS Gr.	SIEVE ANALYSIS Sa.	SIEVE ANALYSIS Fines	CLASSIFICATION
6ST-143	4.0- 6.0	57-3576	28.5	93.3	2.75	61.3	19.9	41.4	22.0	0	14	86	Lt Ru-L, Cl(CH), Hd, SL
6ST- 98	23.5-25.0	57-2669	19.1	109.9	--	31.2	20.7	10.5	6.0	0	32	68	Lt, SaCl(CL), Hd
6ST-109	13.0-15.0	57-2646	13.4	113.7	--	32.6	12.0	20.6	10.5	0	20	80	T-L, Cl(CL), Hd
6ST-111	24.0-26.0	57-3060	18.6	111.5	--	45.8	12.6	33.2	18.0	0	10	90	T-L, Cl(CL), Hd
6ST-118	9.0-11.0	57-3352	20.8	105.8	--	39.3	12.5	26.8	13.0	0	22	78	L, Cl(CL), Hd
6ST-125	11.5-13.5	57-3777	23.6	98.6	--	49.5	14.1	35.4	16.0	0	8	92	L-D, Cl(CL), St
6ST-137	27.5-29.5	57-3540	20.6	106.3	--	45.7	12.9	32.8	15.5	0	11	89	Ru-T-L, Cl(CL), v/st
6ST-143	2.0- 4.0	57-3575	26.8	94.6	--	56.2	18.8	37.4	20.0	0	9	91	G, Cl(CH), Hd
6ST-155	29.0-30.5	57-4095	24.2	94.1	--	60.3	16.1	44.2	23.0	0	6	94	T-L,Cl(CH), v/st. Calc
6ST-158	10.0-12.0	57-3819	18.8	109.9	--	34.8	11.3	23.5	11.0	0	40	60	T-L, SaCl(CL), St.
6ST-162	26.0-27.5	57-3913	24.4	105.9	--	49.5	13.1	36.4	19.0	0	9	91	T-L, Cl(CL), Hd, Sl

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CHANNEL RECTIFICATION
BRAYS BAYOU
SUMMARY OF DIRECT SHEAR TEST DATA
HOUSTON, TEXAS

TABLE 2

ADDENDUM NO. 16

BORING NO.	SAMPLE DEPTH FT.	DISTRICT SERIAL NO.	DENSITY DATA M. C., %	DENSITY DATA U.D.W.* lbs/cu.ft.	DIRECT SHEAR TEST DATA Maximum Ø	Maximum c.Tons/Sq.Ft.	Ultimate Ø	Ultimate c.Tons/Sq.Ft.
6ST-109	13.0-15.0	57-2646	11.1	107.6	27.49	.05	23.82	.05
6ST-143	2.0- 4.0	57-3575	25.1	92.7	16.4	.34	16.3	.16
6ST- 98	23.5-25.0	57-2669	18.5	105.5	34.17	.05	32.46	.05
6ST-111	24.0-26.0	57-3060	18.1	112.0	20.82	.70	15.05	.38
6ST-118	9.0-11.0	57-3352	19.9	104.7	18.43	.45	20.47	.10
6ST-125	11.5-13.5	57-3777	24.7	93.3	18.43	.25	18.43	.10
6ST-137	27.5-29.5	57.3540	20.7	102.3	27.23	.26	23.62	.12
6ST-155	29.0-30.5	57-4095	23.9	97.0	13.85	.55	14.00	.48
6ST-158	10.0-12.0	57-3819	17.5	110.0	21.13	.60	20.8	.40
6ST-162	26.0-27.5	57-3913	18.5	109.2	9.6	1.24	12.4	.60
6ST-143	2.0-4.0	57-3575	25.1	92.7	16.4	0.34	16.3	0.16

* Average of 3 specimens

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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	BAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
65T-98	57 2656	0.0	0	21	79	4.5+	35.1		13.0	16.7	110.8	D-B, SaCl(CL), Hd
	2657	2.0				4.5+				18.3	111.2	D-B, SaCl(CL), Hd
	2658	4.0	0	18	82	4.5+	48.6		19.5	19.1	108.0	D, Cl(CL), Hd, Cal.
	2659	6.0	0	23	77	4.5+	42.5		19.0	17.5	108.4	T-Wh-L, SaCl(CL) Hd, Cal. Conc.
	2660	7.0				4.5+				16.3	113.9	T-Wh-L, SaCl(CL) Hd, Cal. Conc
	2661	9.0	0	22	78	4.5+	34.7		15.0	14.4	116.7	T-L, SaCl(CL) Hd, Fe w/Sa. Seams
	2662	10.0				4.5+				13.1	117.1	T-L SaCl(CL) Hd, Fe w/Sa Seams
	2663	11.0	0	0-1-65 66	34	0.6			3.0	13.0	109.6	T-L, SiSa (SM), Pl. Firm
	2664	13.0	0	0-0-71 71	29	—			4.0	15.0	—	T, SiSa (SM), Pl
	2665	17.5				4.5+				13.4	120.5	L-T, Cl(CL), Hd, Cal.
	2666	19.0	0	18	82	4.5+	37.3		13.5	14.8	118.0	L-T, Cl(CL), Hd Cal.
	2667	20.0	0	16	83	4.5+	40.1		12.0	16.4	115.2	T-L, layered, Cl(CL), Hd, Cal.
	2668	21.5	1	26	73	4.5+	27.1		8.0	16.8	111.3	T-L, layered, Cl(CL), Hd.
	2669	23.5	0	34	64	4.25	30.3		5.0	19.1	109.9	L, SaCl(CL), Firm, Cal.
	2670	25.0	0	0-0-81 81	19	—			0.0	30.2	—	wh, SiSa (SM) So, Wa.
	2671	30.0	0	0-0-75 75	25	—			0.0	41.6	—	wh Si Sa (SM) So, Wa
		35.0										
			BOTTOMED AT 35.0' in Wh, SiSa (SM), So, Wa									
			Water Encountered at 18.0'									
			Water Level @ 14.0' Caved in @ 14.0'									
65T-99	57- 2672	0.0	0	0-0-87 87	13	0.5			0.0	18.5	101.9	L, SiSa (SM), Firm, w/Roots
	2673	3.0	0	23	77	4.5+	51.0		18.0	18.1	108.9	B, SaCl(CH), Hd, Cal.
	2674	5.0	0	29	71	4.5+	40.3		14.0	15.9	116.7	T-G, SaCl(CL) Hd, Fe, Cal.
	2675	7.0	0	42	58	4.5+	33.6		11.0	15.1	112.6	T-O-L, SaCl(CL) Hd, Fe. Cal
		9.0								15.3	110.1	

* - LABORATORY PENETROMETER READINGS

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