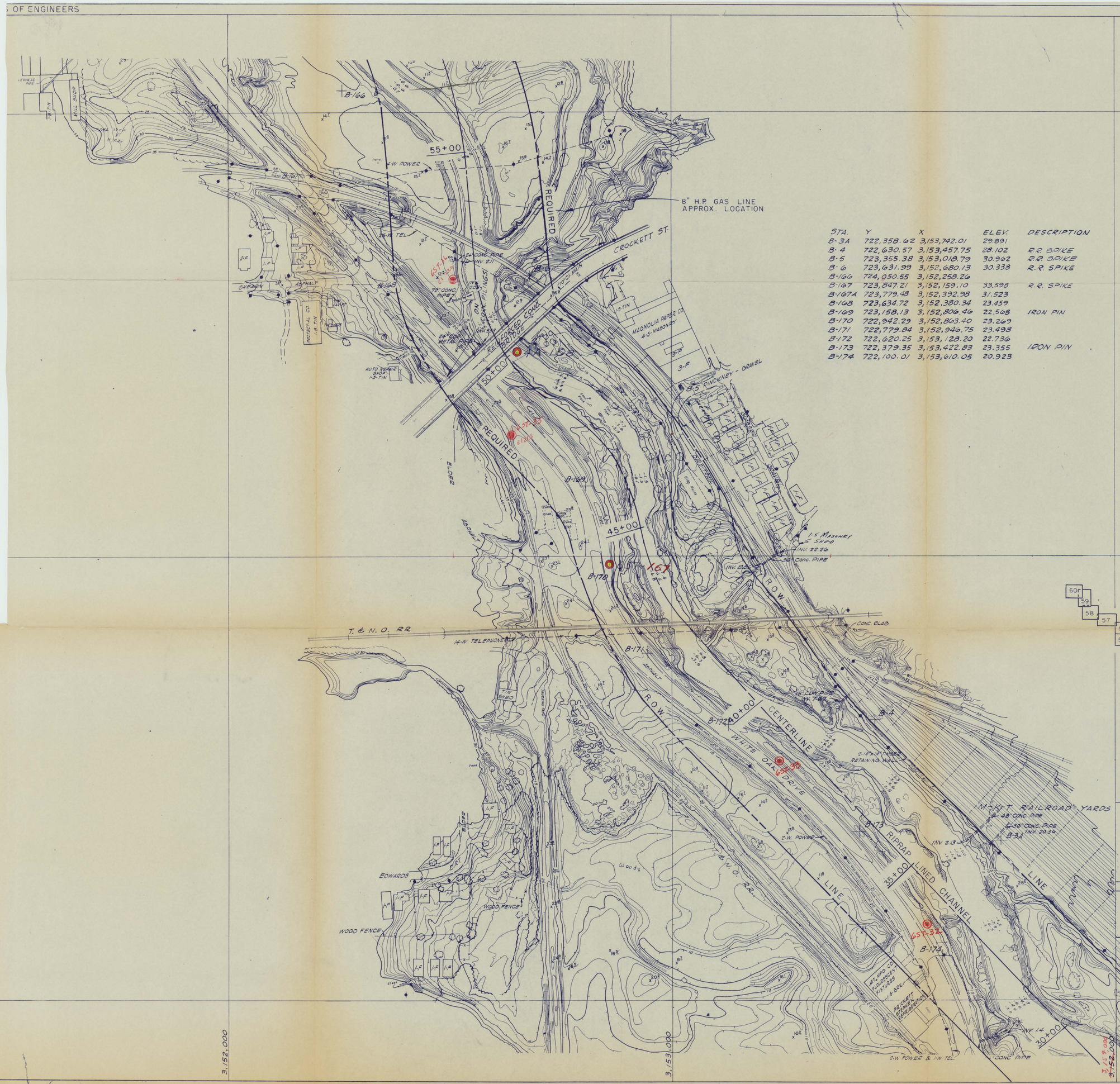

STA.	Y	X	ELEV.	DESCRIPTION
B-3A	722,358.62	3,153,742.01	29.891	
B-4	722,630.57	3,153,457.75	28.102	R.R. SPIKE
B-5	723,355.38	3,153,018.79	30.962	R.R. SPIKE
B-6	723,631.99	3,152,680.13	30.338	R.R. SPIKE
B-166	724,050.55	3,152,258.26		
B-167	723,847.21	3,152,159.10	33.598	R.R. SPIKE
B-167A	723,779.48	3,152,392.98	31.523	
B-168	723,634.72	3,152,380.34	23.459	
B-169	723,158.13	3,152,806.46	22.568	IRON PIN
B-170	722,942.29	3,152,863.40	23.269	
B-171	722,779.84	3,152,946.75	23.498	
B-172	722,620.25	3,153,128.20	22.736	
B-173	722,379.35	3,153,422.83	23.355	IRON PIN
B-174	722,100.01	3,153,610.05	20.923	

Galveston Dist. Lab. Report No. 1013

BUFFALO BAYOU, TEXAS

WHITE OAK BAYOU PROPOSED ALIGNMENT

SCALE OF FEET

100' 0 100'

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS — APRIL 1963

TO ACCOMPANY GENERAL DESIGN MEMORANDUM NO.1 BUFFALO AND WHITE OAK BAYOUS AND WHITE OAK BAYOU FEATURE DESIGN MEMORANDUM NO.2, MILE 1.07 TO YALE STREET — DATED: APRIL 1963

Sheet 7 of 7 — FILE: HSG 402-133

CORE BORINGS
WHITE OAK BAYOU, HOUSTON

Core Hole No.	Coordinates X	Coordinates Y	M.S.L. Elev.
6 St 26	3,155,165	720,440	37.60
27	3,155,450	720,370	39.3
28	3,155,275	720,465 ?	36.2
29	3,155,325	720,950	28.2
30	3,155,000	720,930	33.8
31	3,154,495	721,145	33.4
* 32	3,153,575	722,170	21.0
* 33	3,153,240	722,540	22.0
** 34	Never	drilled	
* 35	3,152,640	723,275	21.5
* 36	3,152,510	723,625	13.0
37	3,151,210	724,895	14.1
** 38			
39	3,150,300	725,020	31.6
** 40			
41	3,149,115	725,590	21.3
** 42			
** 43			
44	3,147,545	725,075	35.2
45	3,147,700	724,925	37.9
** 46	3,147,280	724,730	12.0
47	3,146,780	724,755	31.4
48	3,146,405	724,485	22.1
49	3,145,305	724,905	24.3
** 50	3,144,990	724,180	24.5
** 51	3,144,870	723,910	17.0
** 52			
** 53			
54	3,143,480	723,365	32.1
55	3,142,790	723,450	44.0
56	3,142,755	723,735	43.8
57	3,142,515	723,515	47.0
58	3,142,420	723,840	37.5
59	3,142,325	723,500	48.8
* 60			
61	3,141,890	724,290	43.8
62	3,141,750	724,970	47.9
63	3,140,570	725,070	51.0
64	3,140,200	725,465	50.5
65	3,138,940	725,205	49.0
66	3,137,960	726,015	50.5
67	3,137,385	726,500	46.2
68	3,130,375	734,185	61.5
69	3,126,995	738,435	69.9

* Core Holes covered up by fill material
** Core Holes not drilled

HOLE NO. 6ST-35

DEPARTMENT OF THE ARMY
DIVISION Southwestern
INSTALLATION Galv Dist, Eng Div

DRILLING LOG

1. PROJECT	White Oak Bayou
SHEET OF	
2. LOCATION (Coordinates or Station)	Pasadena, Texas (3,152,640 - 723,275)
3. DRILLING AGENCY	U. S. Army Corps of Engineers
4. HOLE NO. (As shown on drawing title and file No.)	6ST-35
5. NAME OF DRILLER	K. D. West
6. DIRECTION OF HOLE	☐ VERTICAL ☐ INCLINED DEGREES WITH VERTICAL
7. THICKNESS OF OVER-BURDEN	
8. DEPTH DRILLED INTO ROCK	
9. TOTAL DEPTH OF HOLE	40.0
10. SIZE AND TYPE OF BIT	Shelby Tube-6"
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	M.S.L.
12. MANUFACTURER'S DESIGNATION OF DRILL	
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN	DISTURBED / UNDISTURBED
14. TOTAL NO. CORE BOXES	
15. ELEV. GROUND WATER	9.7
16. DATE HOLE	STARTED 6/11/60 COMPLETED 6/14/60
17. ELEV. TOP OF HOLE	21.5
18. TOTAL CORE RECOVERY FOR BORING (%)	
19. SIGNATURE OF INSPECTOR	Bott Elev. -18.5

ELEVATION	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant)	
0.0	2.0		Red Sandy Clay, Fill	CL	w=13	Sandy Jar 1 LL=30 19.5	
2.0	4.0		Dark gray clayey sand, fill	ML	w=14	Sandy Jar 2 Fines=64 17.5	
4.0	6.0		Tan sandy clay, stiff	CL	w=17 γ=110	Sandy Cont. 1 LL=32 15.5	1.75
6.0	8.0	CL	Gray-red silty clay, stiff	CH	w=24 γ=101	Cont. 2 LL=53	2.00
8.0	9.5		Gray-red silty clay, stiff			Cont. 3 12.0	2.50
9.5	11.0	CL	Red, sandy clay, plastic, stiff	CL	w=20 γ=108	Cont. 4 Sandy LL=27	1.00
11.0	12.0		Gray-red sandy clay,			No sample 9.5	
12.0	14.0		Gray-silty clay, v/stiff			Cont. 5	3.00
14.0	15.5		Gray-red beaumont clay, hard		w=26	Cont. 6	4.25
15.5	17.0	CH	Red beaumont clay, w/hard parts v/stiff	CH	γ=100	LL=62 Cont. 7	3.50
17.0	18.5		Red beaumont clay, v/stiff			Cont. 8	3.50
18.5	20.0		Red beaumont clay, hard			Cont. 9 1.5	4.50+
20.0	21.5	SC	Red, clayey sand, plastic, stiff	ML	w=21 γ=105	Fines=94 Cont. 10 0.0	1.50
21.5	23.0	CH	Red beaumont clay, v/stiff	CL	w=24 γ=101	Cont. 11 LL=38	3.75
23.0	24.5		Red silty clay, hard			Cont. 12 -3.0	4.00
24.5	26.0		Red beaumont clay, v/stiff			Cont. 13	3.75
26.0	27.5	CH	Red beaumont clay, v/stiff		w=23	Cont. 14	3.75
27.5	29.0		Red sandy clay, hard	CH		Cont. 15 LL=56	4.00
29.0	31.0		Red beaumont clay, hard		γ=101	Cont. 16	4.50+
31.0	32.5		Red beaumont clay, v/stiff			Cont. 17	3.75
32.5	34.0		Red beaumont clay, hard			Cont. 18 -12.5	4.50+
34.0	35.5		Red sandy clay, stiff	CL	w=24 γ=101	Cont. 19 LL=38 -14.0	1.50
35.5	37.0	CL	Red silty sandy clay, plastic, stiff	ML	w=22 γ=108	Fines=100 Cont. 20 -15.5	1.00
37.0	38.5		Red sandy clay, v/stiff	CH	w=29 γ=93	Cont. 21 LL=69	3.00
38.5	40.0		Red silty clay, v/stiff			Cont. 22 -18.5	3.00
			Bottomed at 40.0 in above Water at 11.8				

White Oak Bayou
Channel Rectification
Houston, Texas

TEST DATA SUMMARY

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	Q*	ATTERBERG LIMITS LL	PL	BAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
65T-35	60	0.0										
	2890		0	36	64	—	28.5		6.0	13.0	—	Rn-Br, SaCl(CL) w/Fe. Gr.
		2.0										
	2891		0	36	64	—			2.0	14.1	—	D, SaSi(ML)
		4.0								(15)		
	2892		0	31	69	2.25	31.9		9.0	17.4	110.3	T, SaCl(CL) v/st.
		6.0										
	2893		Same as 60-2894			1.75				24.5	99.0	R, Cl(CH), St. w/calc. nod.
		8.0								(24)		
	2894		0	6	94	2.5	53.1		18.0	23.7	102.5	R-G, Cl(CH) v/st. w/calc pocks
		9.5										
	2895		0	27	73	3.25	27.0		5.0	20.2	107.9	R-G, SaCl(CL), v/st.
		11.4										
	—		No Sample - Drillers Classification							—		G-R. SaCl [CL]
		12.0										
	2896		Same as 60-2897			4.5+				22.4	107.8	R-G, Cl(CH), Hd.
		14.0										
	2897		0	0	100	3.50	61.7		18.0	25.2	99.8	R, Cl(CH), v/st. w/Si layers
		15.5										
	2898		0	0	100	4.50	72.9		21.0	29.1	96.8	R, Cl(CH), Hd, w/calc. pocks
		17.0								(25)		
	2899		Same as 60-2898			4.0				28.9	98.1	R, Cl(CH), v/st. w/calc. pocks.
		18.5										
	2900		0	1	99	4.5+	51.5		19.0	22.5	107.6	R-G, Cl(CH), Hd. w/calc. pocks.
		20.0										
	2901		0	6	94	3.50			2.0	21.1	109.6	R, Si(ML)
		21.5										
	2902		0	0	100	2.25	37.5		13.0	21.7	106.6	R, Cl(CL), v/st. w/Si. calc. pocks.
		23.0								(24)		
	2903		Same as 60-2902			4.5+				27.2	99.4	R, Cl(CL), Hd, w/Sa Si pocks.
		24.5										
	2904		0	0	100	3.75	63.4		18.0	24.4	100.5	R, Cl(CH), v/st. w/calc pocks
		26.0										
	2905		Same as 60-2906			3.75				28.7	93.5	R-G, Cl(CH), v/st. w/calc. nod.
		27.5										
	2906		0	0	100	2.75	50.9		16.5	22.5	105.7	R-G, Cl(CH) v/st. w/Si pocks
		29.0								(22)		
	2907		Same as 60-2908			3.50				15.3	111.4	R, Cl(CH), v/st. w/Si pocks.
		31.0										
	2908		0	0	100	4.0	54.7		17.5	22.9	103.7	R, Cl(CH), v/st. w/Si pocks.
		32.5										
	2909		Same as 60-2908			4.0				20.1	106.1	R, Cl(CH), v/st. w/Si calc. pocks.
		34.0										

* Laboratory Penetrometer Reading

DLR-853

SD FORM 053-R
23 AUG. 66

White Oak Bayou
Channel Rectification
Houston, Texas

Sheet 14 of 56

TEST DATA SUMMARY

FEATURE Log of Soil Borings

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	D/6	ATTERBERG LIMITS LL	PL	BAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
LST-35-	-60-	34.0										
Cont.	2910		0	0	100	2.25	37.9		11.0	24.1	100.6	R, Cl(CL), V/st
		35.5										
	2911		0	0	100	2.50			2.0	22.3	102.6	R, Si(ML)
		37.0										
	2912		Same as 60-2913			2.75				28.0 (29)	99.8	R, Cl(CH) V/st. w/ Si fingers
		38.5										
	2913		0	0	100	2.50	69.0		19.0	30.1	91.7	R, Cl(CH) V/st. w/ Si fingers
		40.0										

Bottomed @ 40.0' in R, Cl(CH) V/st. w/ Si fingers
Water @ 11.8'

* Laboratory Pentrometer Reading

DLR-853