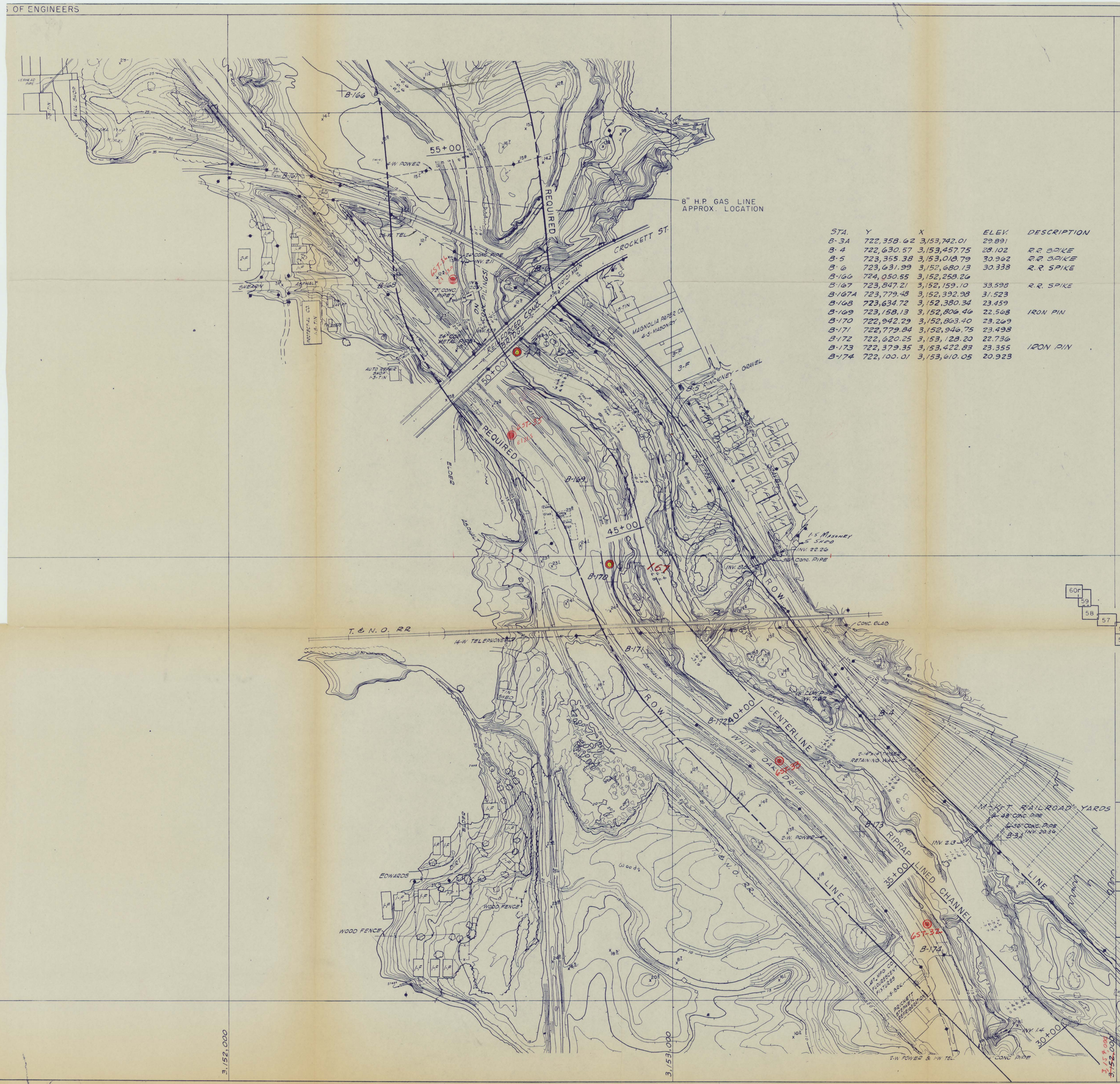

STA.	Y	X	ELEV.	DESCRIPTION
B-3A	722,358.62	3,153,742.01	29.891	
B-4	722,630.57	3,153,457.75	28.102	R.R. SPIKE
B-5	723,355.38	3,153,018.79	30.962	R.R. SPIKE
B-6	723,631.99	3,152,680.13	30.338	R.R. SPIKE
B-166	724,050.55	3,152,258.26		
B-167	723,847.21	3,152,159.10	33.598	R.R. SPIKE
B-167A	723,779.48	3,152,392.98	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-32

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 (3,153,575 - 722,170)
3. DRILLING AGENCY	U. S. Army Corps of Engineers
4. HOLE NO. (As shown on drawing title and file No.)	6ST-32
5. NAME OF DRILLER	Albert Smith
6. DIRECTION OF HOLE	☐ VERTICAL ☐ INCLINED; DEGREES WITH VERTICAL
7. THICKNESS OF OVER-BURDEN	
8. DEPTH DRILLED INTO ROCK	
9. TOTAL DEPTH OF HOLE	35.0
10. SIZE AND TYPE OF BIT	Shelby Tube-6"
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)	MSL
12. MANUFACTURER'S DESIGNATION OF DRILL	
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN	DISTURBED; UNDISTURBED
14. TOTAL NO. CORE BOXES	
15. ELEV. GROUND WATER	
16. DATE HOLE	STARTED 6/18/60; COMPLETED 6/18/60
17. ELEV. TOP OF HOLE	21.0
18. TOTAL CORE RECOVERY FOR BORING (%)	
19. SIGNATURE OF INSPECTOR	Bott Elev. -14.0

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		Hard packed gray and brown sand and clay w/med. gravel, fill 1' recovery	CL	w=10 γ=138 LL=49	- Sandy Cont. 1 19.0	4.50f
2.0	4.0	CH	Same as above		w=23	Cont. 2	4.50f
4.0	6.0		Stiff gray and red sandy clay w/pieces of sandstone	CH	γ=118 LL=51	Cont. 3	1.50
6.0	8.0	CH	Stiff red, gray to black sandy clay			Cont. 4 13.0	1.75
8.0	8.5		Harthorn and Fishtail, hard sandstone ore, brown clay and cement	X	X	No sample 12.5	
8.5	11.5	CL	Stiff red and gray sandy clay w/sandstone or brick and cement	CL	w=24 γ=113 LL=42	Cont. 5	1.50
11.5	13.5		Stiff brown and gray sandy clay			Cont. 6	1.25
13.5	15.0		Stiff gray and brown sandy clay w/brick or sandstone			Cont. 7 6.0	1.25
15.0	16.0		Brick and concrete	X	X	Cont. 8 5.0	
16.0	19.5	SM	Gray clayey silty sand		w=24	Cont. 9	0.25
19.5	21.5	SC	Stiff gray and tan clayey sand,	CL	γ=111 LL=23	- Sandy Cont. 10	1.75
21.5	23.5		Gray and tan clayey sand			Cont. 11 -2.5	0.75
23.5	25.0		Wood			Jar 1	
25.0	31.0		Fishtail. No recovery because of wood, sandstone or rubble	Wood Rubble	X	No sample -10.0	
31.0	32.0	L	Fine to med. tan water sand	SP	w=22	Jar 2	
32.0	33.5	SM	Fine to med tan and gray saturated sand		γ=119	Fines = 5 Cont. 12 -12.5	
33.5	35.0	CL	Red sandy clay	CH	w=23	Jar 3 LL=50 -14.0	
			Bottomed in above at 35.0				

ENG FORM 1 JUN 57 1836 (TRANSLUCENT) (EM 1110-2-1801) PREVIOUS EDITIONS ARE OBSOLETE

PROJECT White Oak Bayou HOLE NO. 6ST-32

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 %	D/%	ATTERBERG LIMITS LL	PL	BAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
65T-32	-60-	0.0										
	2282		4	32	64	4.5+	49.1		18.0	10.2	138.2	Br-B, SaCl(CL), Hd, w/shell & roots, Fill (Appr).
		2.0										
	2283		Same as 60-2284			4.5+				19.2	121.3	Ru-B-T, Cl(CH), Hd. w/brick
		4.0								(23)		
	2284		0	10	90	1.50	51.2		18.0	22.9	117.4	Ru-B-T, Cl(CH), St, w/brick.
		6.0										
	2285		Same as 60-2284			1.75				25.9	110.9	Ru, Cl(CH), St.
		8.0										
	—		No Sample			—	Drillers Classification					Br Cl w/ brick & rubble. Hard.
		8.5										
	2286		Same as 60-2287			1.0				23.5	110.4	Ru, Cl(CL), Med. w/Sa pocks
		11.5								(25)		
	2287		0	19	81	1.0	41.7		16.0	23.6	120.5	Ru, Cl(CL), Med. w/Sa pocks
		13.5										
	2288		Same as 60-2287			1.75				25.9	109.7	Ru, Cl(CL), Med. w/Sa. pocks
		15.0										
	2289		No test			—					—	Brick & Concrete frag.
		16.0										
	2290		Same as 60-2291			1.0				25.5	113.6	G-T, SaCl(CL-ML), Med w/veg.
		19.5								(23)		
	2291		0	40	60	1.0	22.5		4.0	24.9	108.1	G-T, SaCl(CL-ML) Med. w/veg.
		21.5										
	2292		Same as 60-2291			1.0				21.0	116.7	G-T, SaCl(CL-ML), Med w/veg.
		23.5										
	2293		No Test			—					—	Wood shavings
		25.0										
	—		No Sample			—	Drillers Classification					Wood & rubble.
		31.0	0-0-94									
	2294		0	94	6	—			0.0	24.8	—	T-G, Sa (SP)
		32.0	0-1-95							(22)		
	2295		0	96	4	1.0			0.0	19.3	119.1	T, Sa (SP)
		33.5										
	2296		0	1	99	—	50+		17.0	22.5	—	R, Cl(CH).
		35.0										

Bottomed @ 35.0' in R, Cl(CH).

* Laboratory Penetrometer Reading

DLR-853