.4 Reach 5 Sta 93+00 83-396

Sfc. El. 1.8

Lyr No	Depth	w	γ_d	e_o	γ	γ_b	Surcharge	H_z	$\Delta\sigma$	$\bar{\sigma}_o$	$\bar{\sigma}_f$	MC	LL	C_c	S
1	0-2	37	77	1.149	105	43	1552	1	1552	43	1595			*.15	.204
2	2-4	61	65	1.545	105	42		1		128	1680			*.16	.145
3	4-8	22	88	.880	107	45		1		215	1767			.12	.117
4	8-10	52	70	1.363	106	44		.99	1536	304	1841			.55	.364
5	10-12	49	73	1.266	109	46		.98	1521	395	1916			.55	.333
6	12-14	79	53	2.122	95	32		.96	1490	473	1963		110	.9	.356
7	14-16	91	48	2.447	92	29		.95	1474	535	2010		118	.9	.300
8	16-18	86	51	2.244	95	32		.92	1428	597	2025			.85	.278
9	18-20	61	62	1.668	100	37		.9	1397	667	2063		82	.65	.239
	20-30							.86	1335	891	2226			.3	.447
	30-40														.143
															2.9'

COMPUTATION SHEET

PROJECT | FEATURE | DATE | DATE | BY | CHKD BY | DETAILS | SHEET ___ OF ___

SWD Form 521-R
Rev 24 Feb 81

SWGED-FG
SUBJECT: Wallisville Lake, Texas - Staking Request

TO: Soils Design Sec FROM: SWGED-FG DATE: 4 Jan 83 CMT 2
ATTN: John M. Cleveland

Subject request for boring stake-outs has been completed as of this date. The following are coordinates and elevations for the respective borings:

Boring No.	X	Y		Elevation
83-388	3,345,479.92	749,137.59	54+00	1.6
83-389	3,345,935.97	749,300.53	59+00	1.3
83-390	3,346,196.03	749,604.38	63+00	0.9
83-391	3,346,519.00	749,986.08	68+00	1.4
83-392	3,346,841.97	750,367.77	73+00	1.3
83-393	3,347,164.95	750,749.46	78+00	1.5
83-394	3,347,491.45	751,127.89	83+00	1.2
83-395	3,347,953.72	751,272.24	88+00	1.4
83-396	3,348,383.65	751,033.11	93+00	1.0
83-397	3,348,774.08	750,720.76	98+00	1.3
83-398	3,349,140.06	750,382.57	103+00	1.4
83-399	3,349,346.17	749,931.38	108+00	1.3
83-400	3,349,396.10	749,585.03	111+50	1.2
83-401	3,349,462.67	749,089.48	116+50	2.0
83-402	3,349,522.51	748,643.51	121+50	1.5
83-403	3,349,595.80	748,098.38	126+50	1.1
83-404	3,349,662.37	747,602.84	131+50	0.9
83-405	3,349,728.93	747,107.29	136+50	1.1
83-406	3,349,795.50	746,611.74	141+50	0.9
83-407	3,349,862.06	746,116.19	146+50	1.1

SWG FD 24
26 Nov 68

SUMMARY OF LABORATORY TEST DATA

PROJECT Corp of Engineers/Wallisville
DATE 83-431T

BORING NO.	DEPTH IN FEET	TYPE OF MATERIAL	MOISTURE CONTENT %	DRY DENSITY pcf	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST: COMPRESSION tsf	STRAIN %	LATERAL PRESSURE psi	TYPE FAILURE	Sieve Analysis % Passing #4	#10	#40	#200
395	12-14	Dark gray and gray clay with sand pockets and partings (CH)	61 98	61	110	27	83	.51	3.4	0	BULGE	TV = 0.19 TSF -	100	95	79
	14-16	Gray and dark gray clay with sand pockets (CH)	73	57								TV = 0.16 TSF			
	16-18	Gray clay with silt pockets (CH)	69	58								TV = 0.20 TSF			
	18-20	Gray clay with roots (CH)	65	63	82	27	55	.61	3.4	0	SHEAR	TV = 0.4 TSF -	-	100	88
396 1	0-2	Gray and tan clay with roots (CH)	37	77											
2	2-4	Gray clay with roots (CH)	61	65											
3	6-8	Gray sandy clay, slightly silty (CL)	22												
4	8-9.5	Gray clay with silt pockets (CH)	52												
5	10-12	Gray clay with sand partings (CH)	49	73								TV = 0.17 TSF			
6	12-14	Gray and dark gray clay with sand pockets (CH)	79	53											
7	14-16	Dark gray and gray clay with sand pockets (CH)	92 91	48	118	38	80					TV = 0.17 TSF -	100	97	84
8	16-18	Light gray clay with silt pockets (CH)	86	51											
9	18-20	Light gray and dark gray clay with silt pockets and partings (CH)	61	62								TV = 0.22 TSF			