Results of Tests of Foundation Material

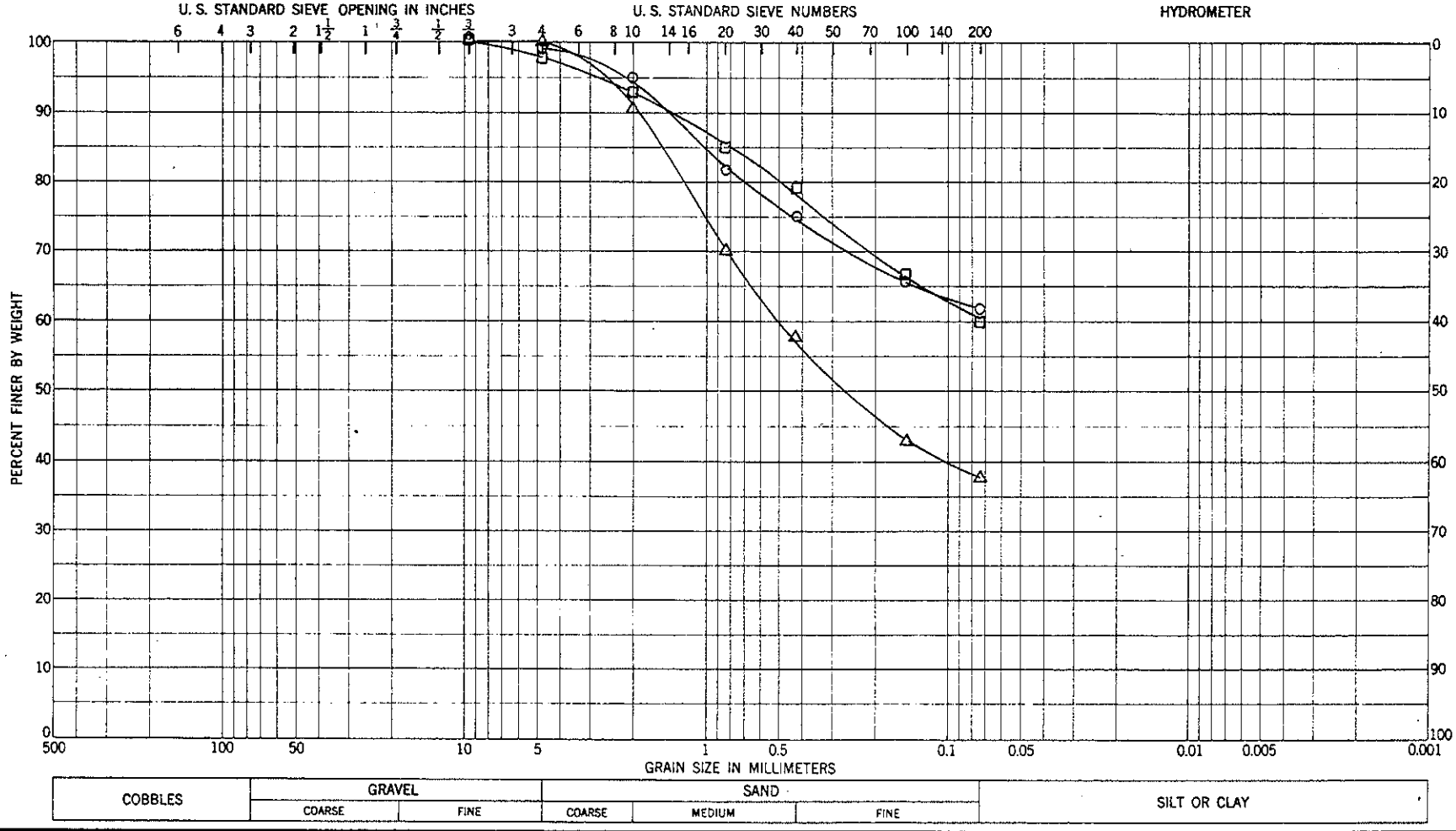
Boring No.	Field No.	SWD No.	Depth ft.	Mechanical Analysis Gr	Sa	Fi	Atterberg Limits LL	PL	PI	Water Content %	Dry Density lb/cu ft	Test Type	Plate		Description
82-1	S-19 (ctn)	A-10 643	50.0-52.5 *1.0	0	24	76	36	13	23	20.9	106			CL	CLAY, sandy, light gray an yellowish brown, moist, ve stiff.
	S-20 (ctn)	A-10 644	52.5-55.0 *1.0	0	33	67	38	10	28	21.2	107			CL	CLAY, sandy, light gray an yellowish brown, moist, stiff.
	S-21 (ctn)	A-10 645	55.0-57.5 *0.9	0	59	41	20	11	9	18.4	110			SC	SAND, clayey, light gray and yellowish brown, moist
	S-22 (jar)	A-10 646	60.0-62.5	0	92	8				23.0				SP-SM	SAND, gray, wet.
	S-23 (jar)	A-10 647	65.0-67.5	0	93	7				25.2				SP-SM	Sand, gray, very moist.
82-2	S-1 (jar)	A-10 648	0.0- 0.1							43.5				SC	SAND, clayey, gray, wet, standing water.
	S-2 (jar)	A-10 649	1.0- 3.0	1	38	62	82	24	58	117.2				CH	CLAY, sandy, dark gray, we organic, some decayed wood and roots.
	S-3 (jar)	A-10 650	3.0- 8.0	0	62	38	104	27	77	106.0				CH	CLAY, sandy, grayish brown wet, organic, decayed wood and roots.
	S-4 (jar)	A-10 651	8.0-13.0							89.5				CH	CLAY, sandy, dark gray, we organic, some decayed wood and roots.

*Actual length of sample in feet.

Results of Tests of Foundation Material

Boring No.	Field No.	SWD No.	Depth ft.	Mechanical Analysis Gr	Sa	Fi	Atterberg Limits LL	PL	PI	Water Content %	Dry Density lb/cu ft	Test Type	Plate		Description
82-2	S-5 (jar)	A-10 652	13.0-15.0	2	38	60	96	23	73	115.8				CH	CLAY, sandy, dark gray, we organic, some decayed wood and roots.
82-3	S-1 (jar)	A-10 653	0.0- 5.0	0	44	56	118	34	84	98.3				CH	CLAY, dark gray, wet, organic, some decayed wood and roots.
	S-2 (jar)	A-10 654	5.0-10.0							96.3				CL	CLAY, dark gray, wet, organic, some decayed wood and roots.
	S-3 (jar)	A-10 655	10.0-15.0							199.7				CH	CLAY, dark gray, wet, organic, some decayed wood and roots.
82-4	S-1 (jar)	A-10 656	2.0- 4.0							105.5				CH	CLAY, dark gray, wet organic, some decayed wood and roots.
	S-2 (jar)	A-10 657	4.0-10.0							92.0				CH	CLAY, sandy, dark gray, we organic, some decayed wood and roots.
	S-3 (jar)	A-10 658	10.0-15.0	6	33	61	88	23	65	68.5				CH	CLAY, sandy, dark gray, we organic, decayed wood and roots.
82-5	S-1 (jar)	A-10 659	1.0- 5.0	0	57	43	73	22	51	42.2				SC	Sand, clayey, gray, wet, standing water, numerous roots throughout.
	S-2 (jar)	A-10 660	5.0-10.0							50.7				CH	CLAY, sandy, gray, very moist, organic, decayed wood and roots.

*Actual length of sample in feet.



Sample No.	Elev or Depth	Classification	Nat w %	LL	PL	PI
A-10649 ○	1.0- 3.0	CLAY, sandy (CH)	117.2	82	24	58
A-10650 △	3.0- 8.0	CLAY, sandy (CH)	106.0	104	27	77
A-10652 □	13.0-15.0	CLAY, sandy (CH)	115.8	96	23	73

GRADATION CURVES

Project Neches River Salt Water Barrier

Area

Boring No. 82-2

Date June 82

Plate 7

SWDED-GL Report No. 13387

ENG FORM 1 MAY 63 2087

Hole No. 82-2

DRILLING LOG	DIVISION S/W	INSTALLATION Gulf Dist	SHEET 1 OF 1 SHEETS

1. PROJECT: Neches River salt water Barrier
2. LOCATION (Coordinates or Station): Beaumont Texas
3. DRILLING AGENCY: U S CEC
4. HOLE NO. (As shown on drawing title and file number): 82-2
5. NAME OF DRILLER: Black
6. DIRECTION OF HOLE: ☑ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN
8. DEPTH DRILLED INTO ROCK
9. TOTAL DEPTH OF HOLE: 15.0
10. SIZE AND TYPE OF BIT
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)
12. MANUFACTURER'S DESIGNATION OF DRILL: Hand Auger
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 5-J Rec; UNDISTURBED -
14. TOTAL NUMBER CORE BOXES
15. ELEVATION GROUND WATER
16. DATE HOLE: STARTED 17 Feb 82; COMPLETED 17 Feb 82
17. ELEVATION TOP OF HOLE
18. TOTAL CORE RECOVERY FOR BORING %
19. SIGNATURE OF INSPECTOR: Kenneth Black

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	0.0	H/A	0.0 to 1.0 white sand		1-J	water @ 0.1
	1.0		1.0 to 3.5 Mucky CL(CH) v/soft	v/soft	2-J	
	3.5		3.5 to 10.0 GR. CL(CH) with Roots. Med to stiff	Med to stiff	3-J	
	8.0					
	13.0			stiff	4-J	
	15.0			stiff	5-J	
			Bottom @ 15.0			

ENG FORM 1836 MAR 71 PREVIOUS EDITIONS ARE OBSOLETE. (TRANSLUCENT)

PROJECT

HOLE NO. 82-2