Hole No. 82-5

DRILLING LOG | DIVISION: SWD | INSTALLATION: Galv Dist | SHEET 1 OF 1 SHEETS

1. PROJECT: Neches Rv. Salt water Barrier
2. LOCATION (Coordinates or Station): Beaumont TX
3. DRILLING AGENCY: USCE GO
4. HOLE NO. (As shown on drawing title and file number): 82-5
5. NAME OF DRILLER: Bloch
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: 4-Jars; UNDISTURBED:
14. TOTAL NUMBER CORE BOXES
15. ELEVATION GROUND WATER
16. DATE HOLE: STARTED 17 Feb 82; COMPLETED 18 Feb 82
17. ELEVATION TOP OF HOLE
18. TOTAL CORE RECOVERY FOR BORING: %
19. SIGNATURE OF INSPECTOR: Bob Bloch

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 to 5.0			water +1.0
			GR. CL (CH)			
			Mod			
		H.A.			1-J	
	5.0		5.0 to 10.0			
			GR-CL (CH)			
			Stiff		J-J	
	10.0		10.0 to 11.0			
	11.0		BR. SD.		3-J	
			11.0 to 15.0			
			GR. CL (CH)		4-J	
			Stiff			
	15.0		Bottom @ 15.0			

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

PROJECT | HOLE NO. 82-5

Results of Tests of Foundation Material

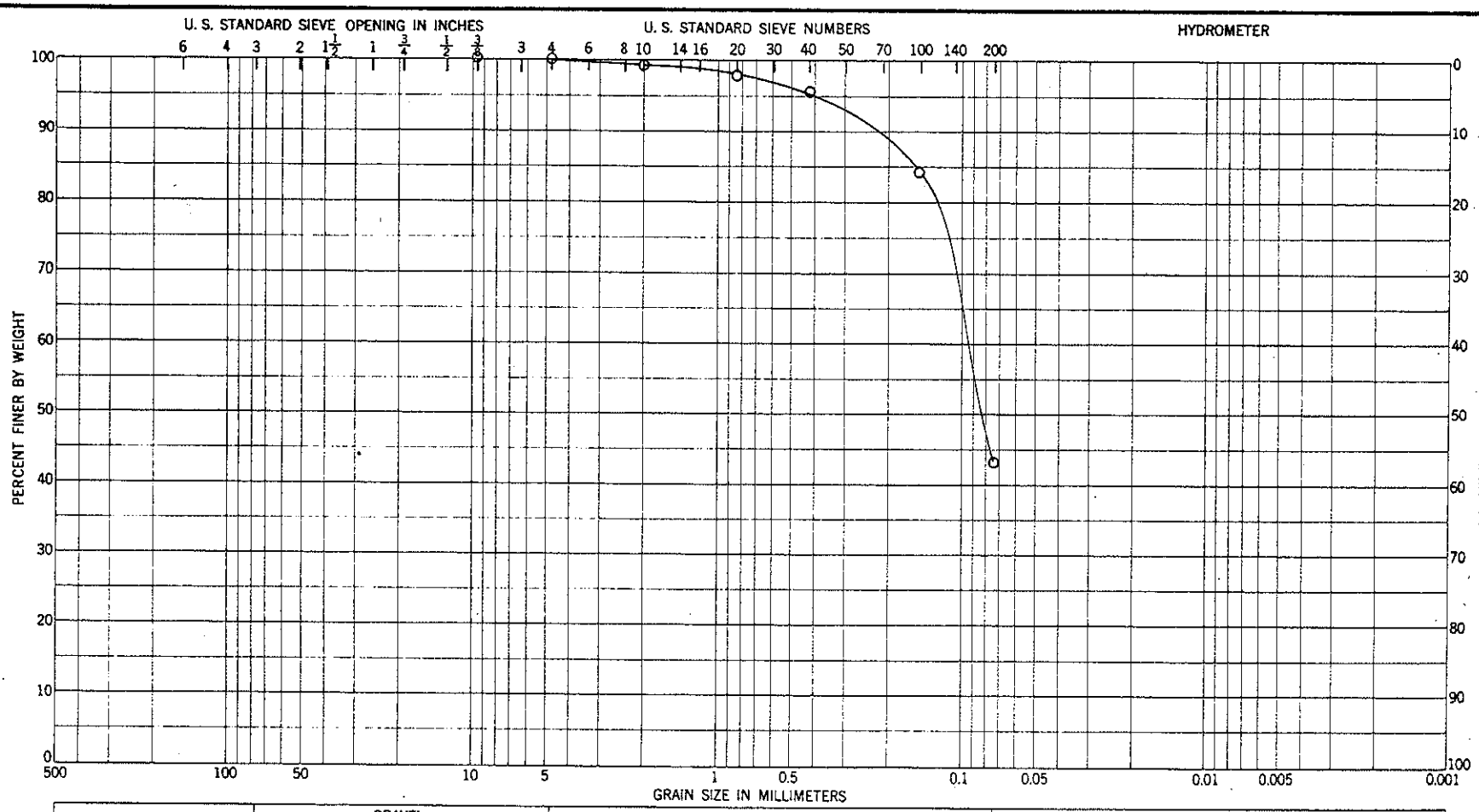
Boring No.	Field No.	SWD No.	Depth ft.	Mechanical Analysis Gr	Sa	Fi	Atterberg Limits LL	PL	PI	Water Content %	Dry Density lb/cu ft	Test Type	Plate		Description
82-2	S-5 (jar)	A-10 652	13.0-15.0	2	38	60	96	23	73	115.8				CH	CLAY, sandy, dark gray, we organic, some decayed wood and roots.
82-3	S-1 (jar)	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.

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
82-5	S-3 (jar)	A-10 661	10.0-11.0							31.4			SC	SAND, clayey, gray, very moist, organic.
	S-4 (jar)	A-10 662	11.0-15.0							42.2			CH	CLAY, sandy, gray, very moist.
82-6	S-1 (jar)	A-10 663	1.0- 5.0							54.8			CL	CLAY, sandy, gray, wet, organic, decayed wood and roots.
	S-2 (jar)	A-10 664	5.0-10.0							32.6			SC	SAND, clayey, gray, wet, a few small roots.
	S-3 (jar)	A-10 665	10.0-15.0	0	53	47	48	16	32	146.0			SC	SAND, clayey, gray, wet, organic, a few roots to 1/4" thick.
82-7	S-1 (jar)	A-10 666	1.0- 5.0	2	39	59	89	24	65	82.0			CH	CLAY, gray, wet, a few small roots.
	S-2 (jar)	A-10 667	5.0-10.0							41.7			CL	CLAY, sandy, gray, very moist.
	S-3 (jar)	A-10 668	10.0-15.0							43.7			SC	SAND, clayey, gray, very moist, some small roots.
82-8	S-1 (jar)	A-10 669	1.0- 5.0							68.1			CH	CLAY, sandy, gray, very moist, some small roots.
	S-2 (jar)	A-10 670	5.0-10.0	0	80	20				29.5			SC	SAND, clayey, gray, wet, organic, some roots.

*Actual length of sample in feet.



Sample No.	Elev or Depth	Classification	Nat w %	LL	PL	PI
A-10659 o	1.0-5.0	SAND, clayey (SC)	42.2	73	22	51

Project Neches River Salt Water Barrier

Area

Boring No. 82-5

Date June 1982

GRADATION CURVES

Plate 10

SWDED-GL Report No. 13387

ENG FORM 1 MAY 63 2087