Hole No. 82-8

DRILLING LOG

DIVISION: S/W

INSTALLATION: Galv. Dist

SHEET 1 OF 1 SHEETS

1. PROJECT: Nueces Rv salt wtr Barrier

2. LOCATION (Coordinates or Station): Beaumont TX

3. DRILLING AGENCY: V.S.C.E.C.

4. HOLE NO. (As shown on drawing title and file number): 82-8

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 2-Jars; UNDISTURBED -

14. TOTAL NUMBER CORE BOXES

15. ELEVATION GROUND WATER

16. DATE HOLE: STARTED 18 Feb 82; COMPLETED 18 Feb 82

17. ELEVATION TOP OF HOLE

18. TOTAL CORE RECOVERY FOR BORING %

19. SIGNATURE OF INSPECTOR: Burt 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 to 5.0			water +1.0
			GR. CL (CH) soft		1-J	
	5.0		5.0 to 10.0			
			GR. sand Dune		2-J	
	10.0		10.0 to 15.0			
			GR. SA. CL (CH) stiff		3-J	
	15.0		Bottom 15.0			

ENG FORM 1836 MAR 71 PREVIOUS EDITIONS ARE OBSOLETE.

(TRANSLUCENT)

PROJECT

HOLE NO. 82-8

Results of Tests of Foundation Material

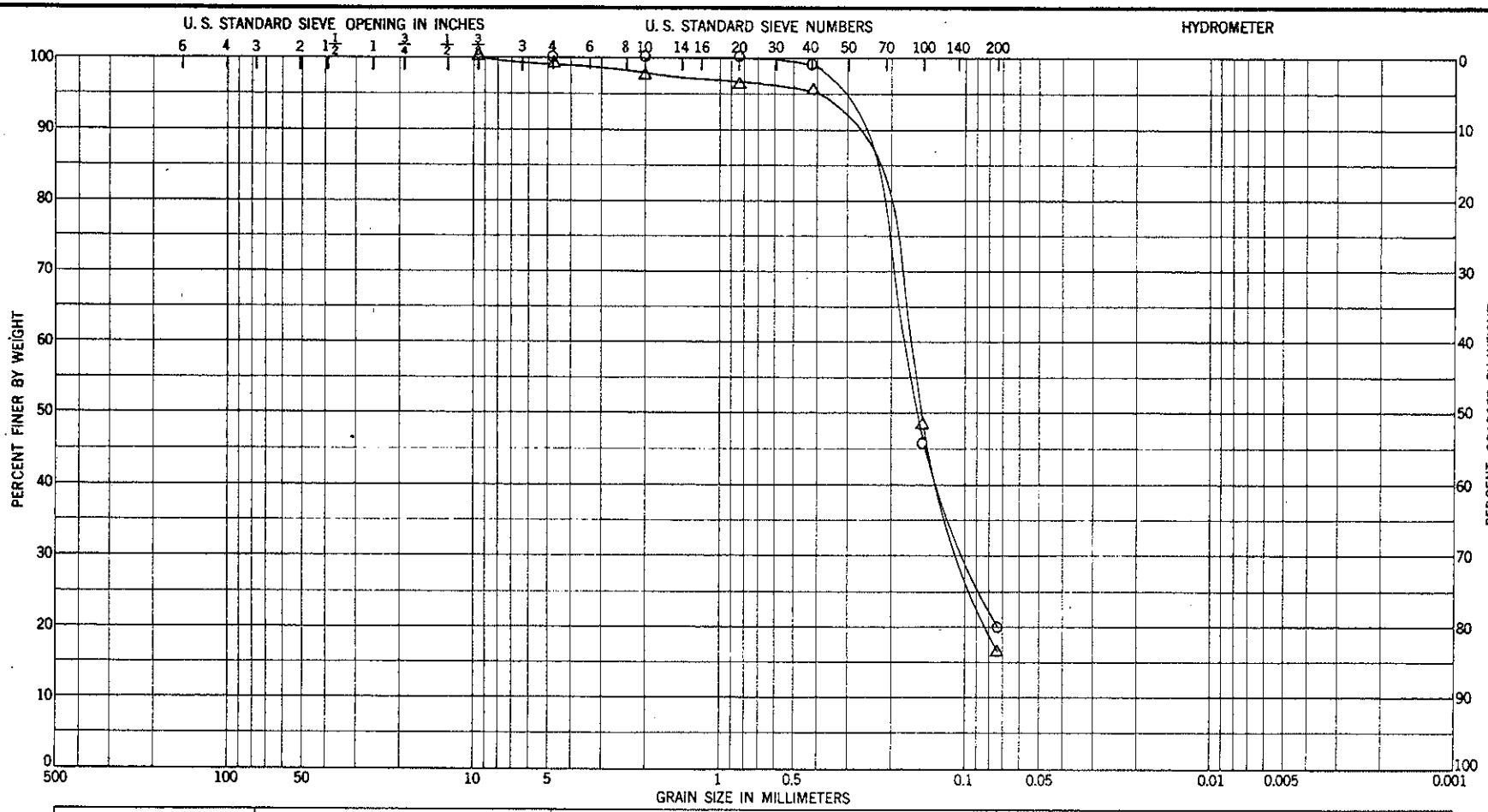
Boring No.	Field No.	SWD No.	Depth ft.	Mechanical Analysis Gr	Sa	Fi	Atterberg Limits LL	PL	PI	Water Content %	Dry Density lb/cu ft	Test Type	Plate	Description
82-5	S-3 (jar)	A-10 661	10.0-11.0							31.4			SC	SAND, clayey, gray, very moist, organic.
	S-4 (jar)	A-10 662	11.0-15.0							42.2			CH	CLAY, 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.

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
82-8	S-3 (jar)	A-10 671	10.0-15.0	1	82	17	NP	NP	NP	45.3				SM	SAND, silty, gray, wet.
82-9	S-1 (jar)	A-10 672	0.0- 5.0	0	20	80	64	17	47	55.4				CH	CLAY, sandy, gray, very moist.
	S-2 (jar)	A-10 673	5.0-10.0							27.5				SC	SAND, clayey, gray, very moist, some small roots.
	S-3 (jar)	A-10 674	10.0-15.0							28.2				SC	SAND, clayey, gray, very moist.
82-10	S-1 (jar)	A-10 675	0.0- 5.0							51.9				CH	CLAY, sandy, gray, very moist, some small roots.
	S-2 (jar)	A-10 676	5.0-10.0							29.3				SC	SAND, clayey, gray, very moist.
	S-3 (jar)	A-10 677	10.0-15.0	0	83	17	NP	NP	NP	27.3				SM	SAND, silty, gray, very moist, organic.
82-11	S-1 (ctn)	A-10 678	0.0- 2.5 *0.8							47.1	75			CL	CLAY, gray, very moist, soft, organic, some roots.
	S-2 (ctn)	A-10 679	2.5- 5.0 *0.8	0	23	77	68	21	47	36.8	82	UC	47	CH	CLAY, sandy, grayish brown, moist, soft.
	S-3 (jar)	A-10 680	5.0- 7.5							26.9				SM	SAND, silty, gray, moist.
	S-4 (jar)	A-10 681	7.5-10.0							27.4				SP	SAND, gray, wet.

*Actual length of sample in feet.



Sample No.	Elev or Depth	Classification	Nat w %	LL	PL	PI
A-10670 ○	5.0-10.0	SAND, clayey (SC)	29.5	–	–	–
A-10671 △	10.0-15.0	SAND, silty (SM)	45.3	NP	NP	NP

GRADATION CURVES

Project Neches River Salt Water Barrier

Area

Boring No. 82-8

Date June 1982

SWDED-GL Report No. 13387

Plate 13

ENG FORM 1 MAY 63 2087