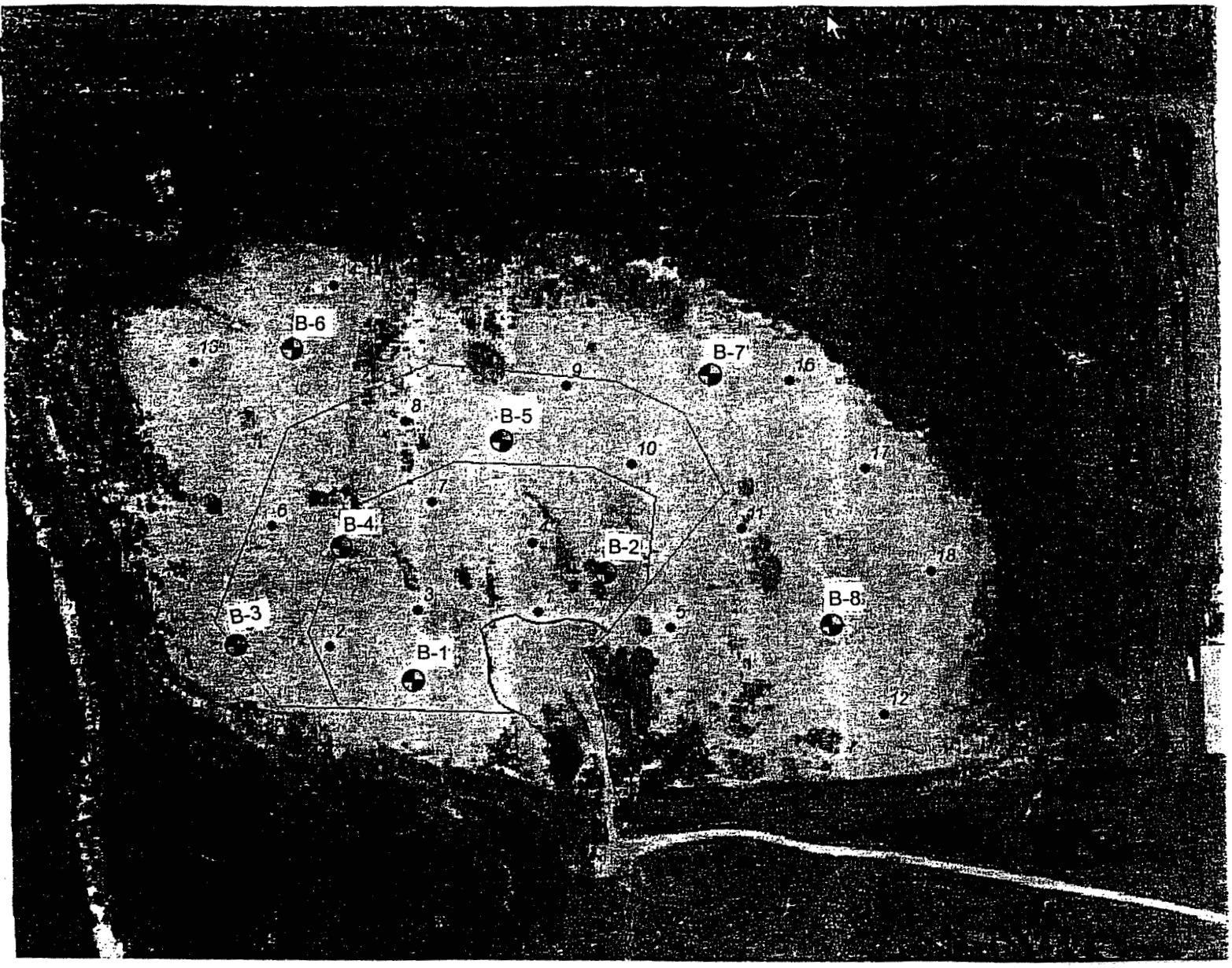
ENGINEERING AND TESTING
LABORATORY, INC.



BORING LOCATION PLAN

NO SCALE

TOWN OF QUINTANA BEACH NOURISHMENT PROJECT
Port of Bay City
Bay City, Texas

October 7, 2004
Attn.: Mr. Hugo E. Bermudez, P.E.
RETL Job No.: C0400619

ROCK ENGINEERING AND TESTING LABORATORY, INC.
4910 NEPTUNE STREET
CORPUS CHRISTI, TX 78405
(361) 883-4555

LOG OF BORING B-7

Rock Engineering and Testing Laboratory, Inc.
4910 Neptune Street
Corpus Christi, Texas 78405
Telephone: (361) 883-4555
Fax: (361) 883-4711

CLIENT: Coast and Harbor Engineering, Inc.
PROJECT: Prop. Quintana Beach Nourishment
LOCATION: Port of Bay City, Texas
NUMBER: C0400619

DATE(S) DRILLED: 9/8/04 - 9/8/04

DRILLING METHOD(S):
Hollow Stem Auger

GROUNDWATER INFORMATION:
Groundwater (GW) at 8' during drilling operations.

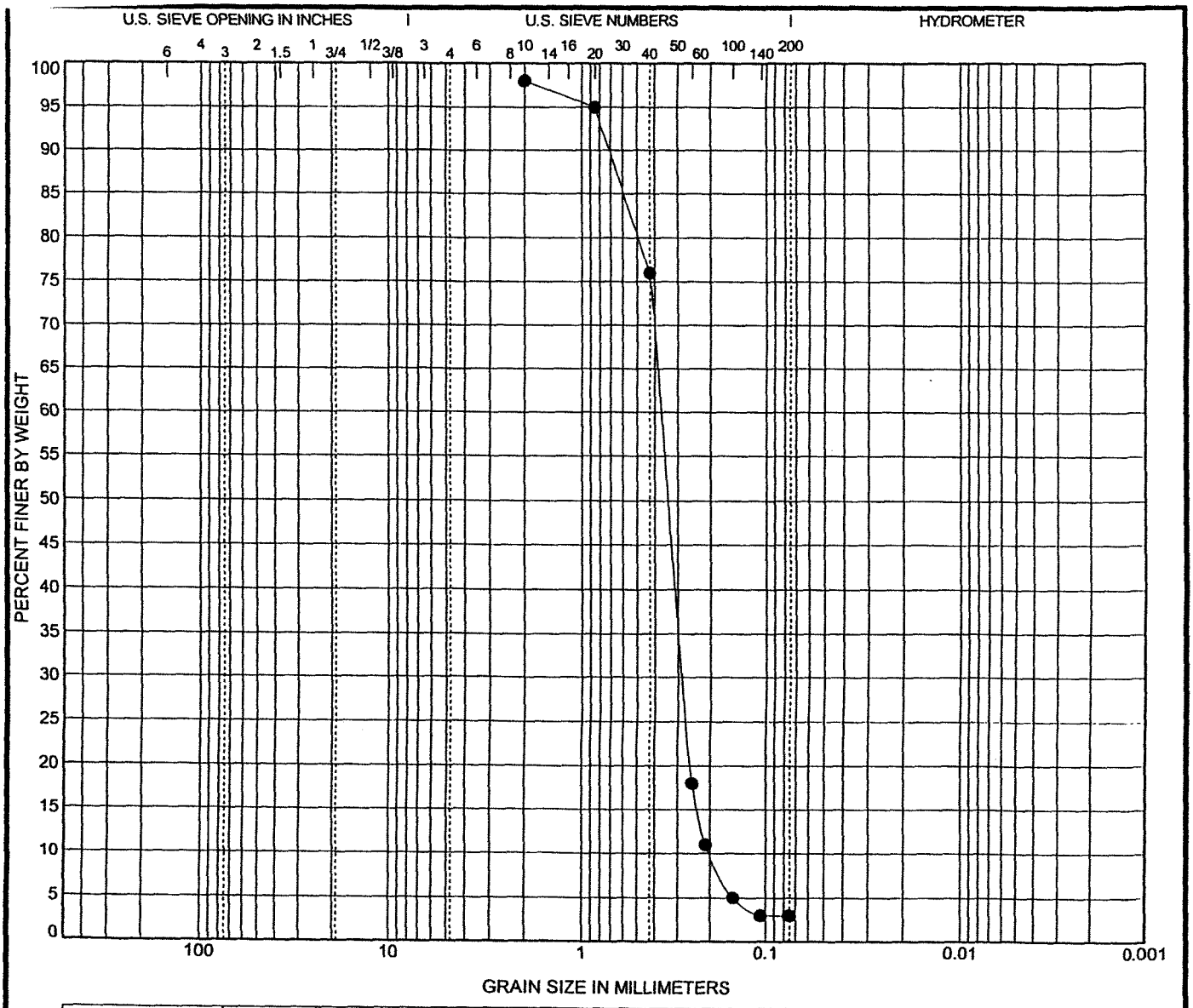
SURFACE ELEVATION: N/A

FIELD DATA					LABORATORY DATA								
SOIL SYMBOL	DEPTH (FT)	SAMPLE NUMBER	SAMPLES	N: BLOWS/FT P: TONS/SQ FT T: TONS/SQ FT PERCENT RECOVERY/ ROCK QUALITY DESIGNATION	MOISTURE CONTENT (%)	ATTERBERG LIMITS LIQUID LIMIT LL	ATTERBERG LIMITS PLASTIC LIMIT PL	ATTERBERG LIMITS PLASTICITY INDEX PI	DRY DENSITY POUNDS/CU.FT	COMPRESSIVE STRENGTH (TONS/SQ FT)	MINUS NO. 200 SIEVE (%)	DESCRIPTION OF STRATUM
		SS S-1		N= 12	3						3	**POORLY GRADED SAND**, some gravel, light brown (7.5YR 6/4), dry, medium. (SP)
	5	SS S-2		N= 4	11						17	**SILTY CLAYEY SAND**, brown (7.5YR 5/4), moist, loose. (SC-SM)
		SS S-3		N= 5	20							Same as above, brown (7.5YR 4/4).
	10	SS S-4		N= 2	48							**FAT CLAY**, dark brown (7.5YR 3/2), moist, soft.
												Boring was terminated at a depth of 10-feet.

N - STANDARD PENETRATION TEST RESISTANCE
P - POCKET PENETROMETER RESISTANCE
T - POCKET TORVANE SHEAR STRENGTH

REMARKS:
Boring location and depth was determined by Coast and Harbor Engineering, Inc. and boring was performed by Envirocore, a drilling sub-contractor to RETL.

LOG OF BORING C0400619.GPJ ROCK_ETL.GDT 10/7/04



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	B-7	1.0	**POORLY GRADED SAND(SP)**				**1.06**	**1.83**

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	B-7	1.0	**2**	**0.367**	**0.279**	**0.2**	**0.0**	**95.0**	**3.0**	

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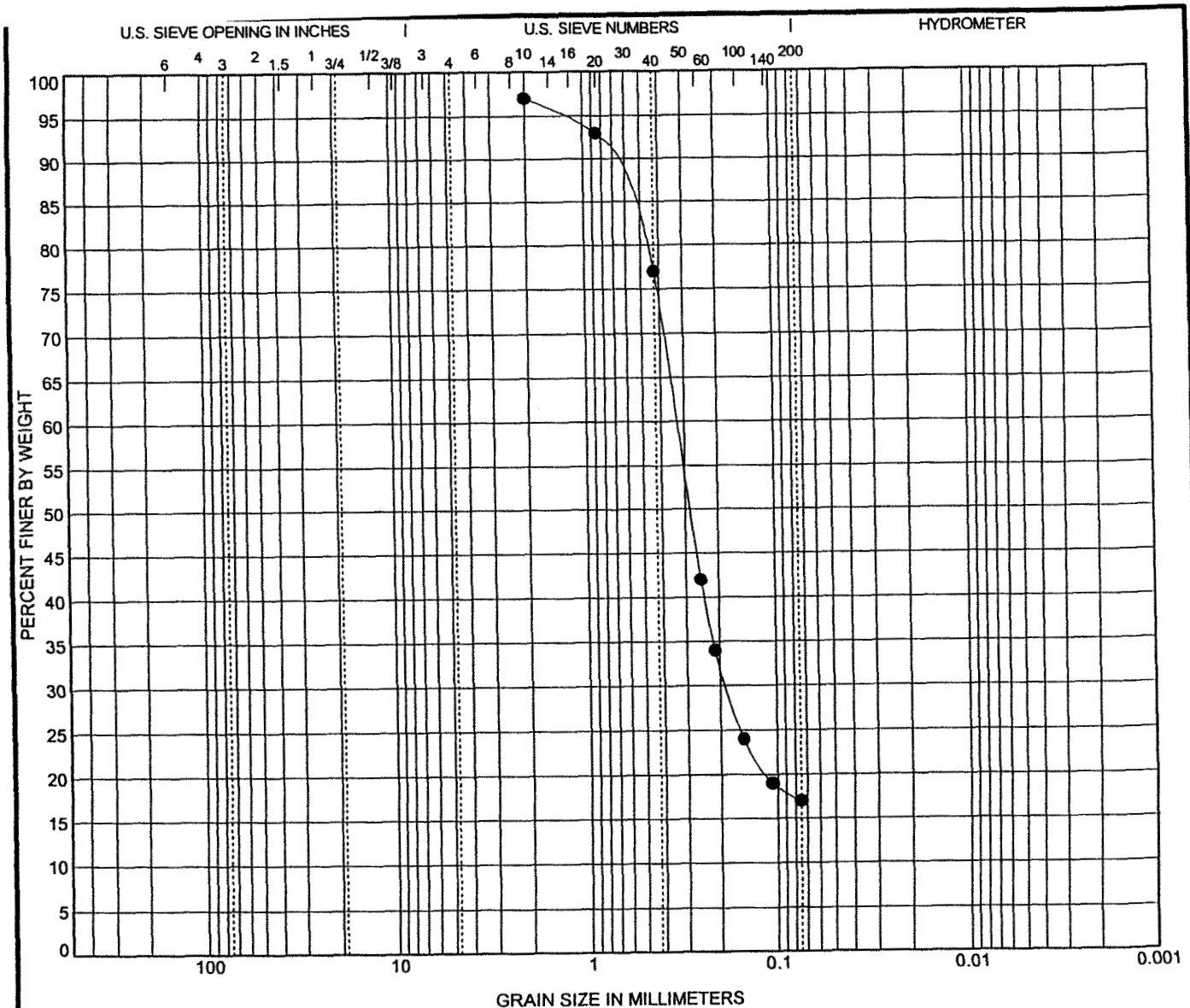
GRAIN SIZE DISTRIBUTION

Project: Prop. Town of Quintana Beach Nourishment

Location: Port of Bay City, Texas

Number: C0400619



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	B-7	3.5						

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	B-7	3.5	2	0.328	0.185		0.0	80.0	17.0	

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US GRAIN SIZE C04619.GPJ US LAB.GDT 9/23/04