LOG OF BORING B-3

Rock Engineering and Testing Laboratory, Inc.
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CLIENT: Coast and Harbor Engineering, Inc.
PROJECT: Proposed Cedar Bayou Project
LOCATION: Aransas County, Texas
NUMBER: G106179
DATE(S) DRILLED: 3/14/06 - 3/15/06

DRILLING METHOD(S):
Vibracore Samples

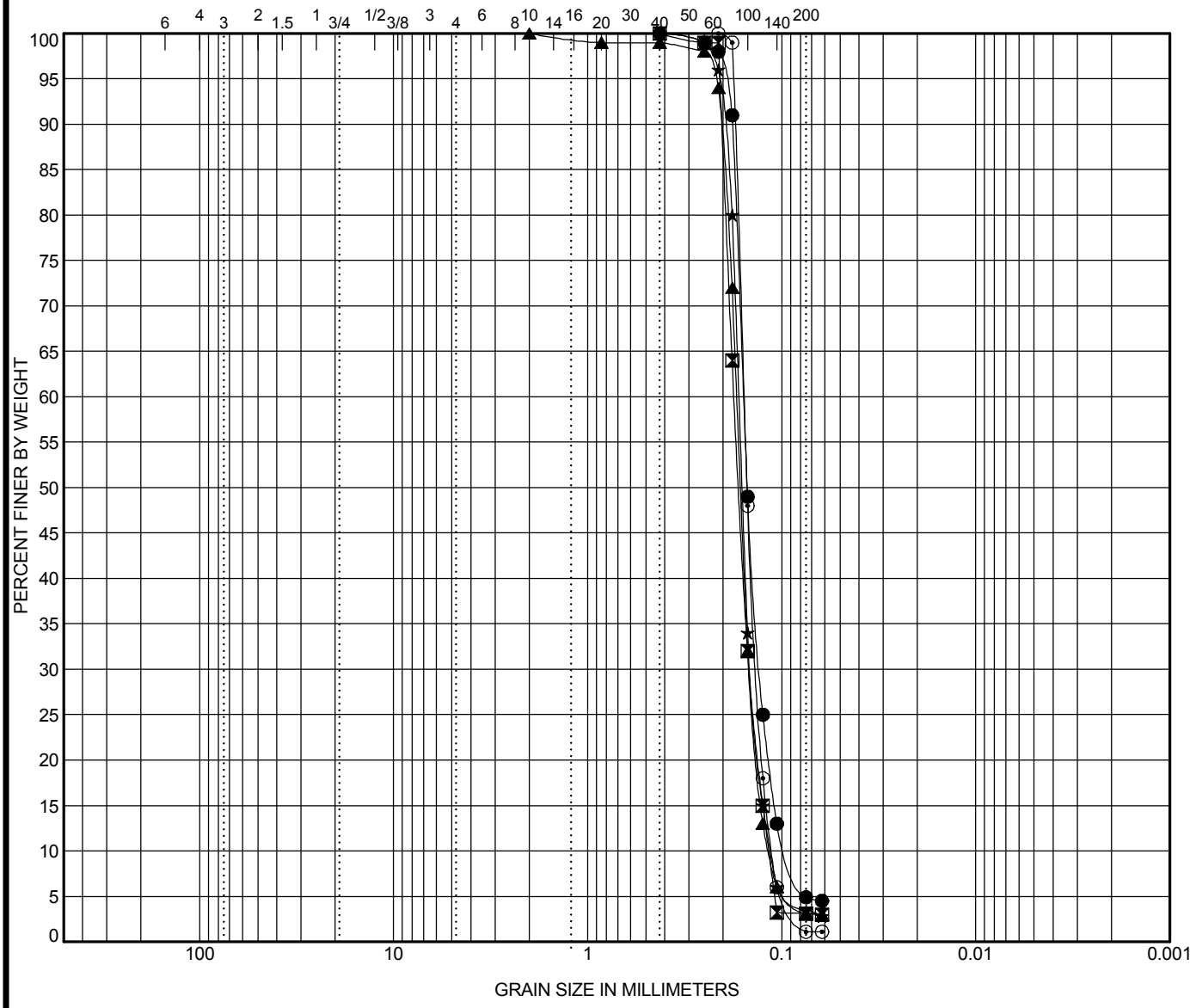
GROUNDWATER INFORMATION:
N/A

SURFACE ELEVATION: N/A

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
												WATER DEPTH= 1-FOOT
	1	S-1			23						3	**POORLY GRADED SAND**, brown, moist.
	2	S-2			22							Same as above.
	3	S-3			21							Same as above.
	4	S-4			19						3	**POORLY GRADED SAND**, brown, moist.
	5	S-5			22							Same as above.
	6	S-6			20							Same as above, greenish gray.
	7	S-7			20						3	**POORLY GRADED SAND**, greenish gray, moist.
	8	S-8			22							Same as above.
	9	S-9			21							Same as above.
	10											Boring terminated at a depth of 10' below the water surface.

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

REMARKS:
Soil Sampling perfomred by RETL at N28.0710 W96.8478



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	B-2	8.0	POORLY GRADED SAND(SP)				1.15	1.69
⊠	B-3	1.0	POORLY GRADED SAND(SP)				1.05	1.51
▲	B-3	4.0	POORLY GRADED SAND(SP)				1.09	1.46
★	B-3	7.0	POORLY GRADED SAND(SP)				1.10	1.46
⊙	B-4	0.0	POORLY GRADED SAND(SP)				1.03	1.40

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	B-2	8.0	0.425	0.157	0.13	0.093	0.0	95.1	4.9	
⊠	B-3	1.0	0.425	0.176	0.147	0.117	0.0	96.9	3.1	
▲	B-3	4.0	2	0.17	0.147	0.116	0.0	96.9	3.1	
★	B-3	7.0	0.425	0.166	0.144	0.114	0.0	96.6	3.4	
⊙	B-4	0.0	0.212	0.157	0.134	0.112	0.0	98.9	1.1	

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GRAIN SIZE DISTRIBUTION

Project: Proposed Cedar Bayou Project

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Additionally, Coast and Harbor Engineering, Inc. obtained and delivered seven soil samples to our laboratory on January 19, 2006.

Laboratory Testing Program

In addition to the field investigation, a laboratory-testing program was conducted to determine additional pertinent engineering characteristics of the subsurface materials.

The laboratory-testing program included supplementary visual classification (ASTM D 2487), and water content tests (ASTM D 2216) on all samples. In addition, selected samples were subjected to Particle-Size Analysis of Soils (ASTM D 422) and Amount of Material Finer Than a #200 Sieve (ASTM D 1140).

It should be noted that the soil samples were washed over a #200 and #230 sieve. Washing material over a #230 sieve only gives approximate values and is not in accordance with an ASTM specification. If results in accordance with an ASTM specification are required the soil samples should be subjected to the sedimentation (Hydrometer Analysis) portion of Particle-Size Analysis of Soils (ASTM D 422). All other aspects of the laboratory-testing program were conducted in general accordance with applicable ASTM Specifications.

The results of these tests are to be found on the boring logs and grain size distribution curves attached to this report and in the following tables.

SIEVE SIZE	B-1 5'-6'	B-1 7'-8'	B-1 9'-10'	B-2 3'-4'	B-2 6'-7'	B-2 8'-9'	B-3 1'-2'	B-3 4'-5'	B-3 7'-8'
#10	99	100	100	100	100	100	100	100	100
#20	99	100	100	100	100	100	100	99	100
#40	99	99	100	100	100	100	100	99	100
#60	98	99	100	100	99	99	99	98	99
#70	96	99	99	99	98	98	99	94	96
#80	87	98	98	93	85	91	64	72	80
#100	46	95	75	52	50	49	32	32	34
#120	27	87	36	25	26	25	15	14	15
#140	18	75	15	13	12	13	3.2	7	6
#200	13.3	63.3	3.5	4.4	4.5	4.9	3.1	3.1	3.4
#230	13.1	63.1	3.4	4.2	4.3	4.5	3.0	3.0	2.8