

May 31, 2006
 Attn.: Mr. Hugo E. Bermudez, P.E.
 RETL Job No.: G106337

PROPOSED SAN LUIS PASS PROJECT
 West Galveston Bay
 Freeport, Texas

	BORING B-8					
SIEVE SIZE	0-2.5'	2.5'-5'	5'-7.5'	7.5'-10'	10'-12.5'	12.5'-15'
#10	100	100	100	100	99	100
#20	100	100	100	100	99	100
#40	99	100	100	99	98	100
#60	99	100	100	99	98	100
#70	98	99	100	99	97	99
#80	96	98	99	98	96	99
#100	86	94	79	91	82	99
#120	64	73	51	59	48	98
#140	44	45	24	25	25	96
#200	24.4	24.7	8.2	7.2	12.2	88
#230	21.5	21.0	6.7	5.6	10.7	85
Color	2.5Y 4/1	2.5Y 4/1	2.5Y 3/1	2.5Y 5/2	2.5Y 4/1	10YR 3/6
Description	Dark Gray	Dark Gray	Very Dark Gray	Gray Brown	Dark Gray	Dark Yellow Brown

	BORING B-9				BORING B-10					
SIEVE SIZE	0-2.5'	2.5'-5'	5'-7.5'	7.5'-10'	0-2.5'	2.5'-5'	5'-7.5'	7.5'-10'	10'-12.5'	12.5'-15'
#10	100	100	100	100	100	100	100	100	100	99
#20	99	100	100	100	100	99	100	100	100	98
#40	99	100	100	99	100	99	99	100	99	97
#60	99	100	99	99	100	99	98	100	99	95
#70	98	99	98	99	98	98	94	99	98	88
#80	97	98	95	98	93	95	82	99	95	78
#100	71	65	72	91	73	65	47	96	51	42
#120	29	27	30	55	34	27	24	59	23	23
#140	10	10	12	28	14	11	11	25	11	12
#200	2.0	2.7	4.3	15.3	4.7	4.5	4.0	10.0	3.9	4.9
#230	1.6	2.4	3.8	11.1	3.7	4.1	3.4	2.7	3.3	4.4
Color	2.5Y 5/3	2.5Y 5/2	2.5Y 5/2	2.5Y 6/2	2.5Y 5/2	2.5Y 5/2	2.5Y 6/2	2.5Y 6/2	2.5Y 5/2	2.5Y 5/2
Description	Lt Olive Brown	Gray Brown	Gray Brown	Lt Brown Gray	Gray Brown	Gray Brown	Lt Brown Gray	Lt Brown Gray	Gray Brown	Gray Brown

LOG OF BORING B-9

SHEET 1 of 1



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

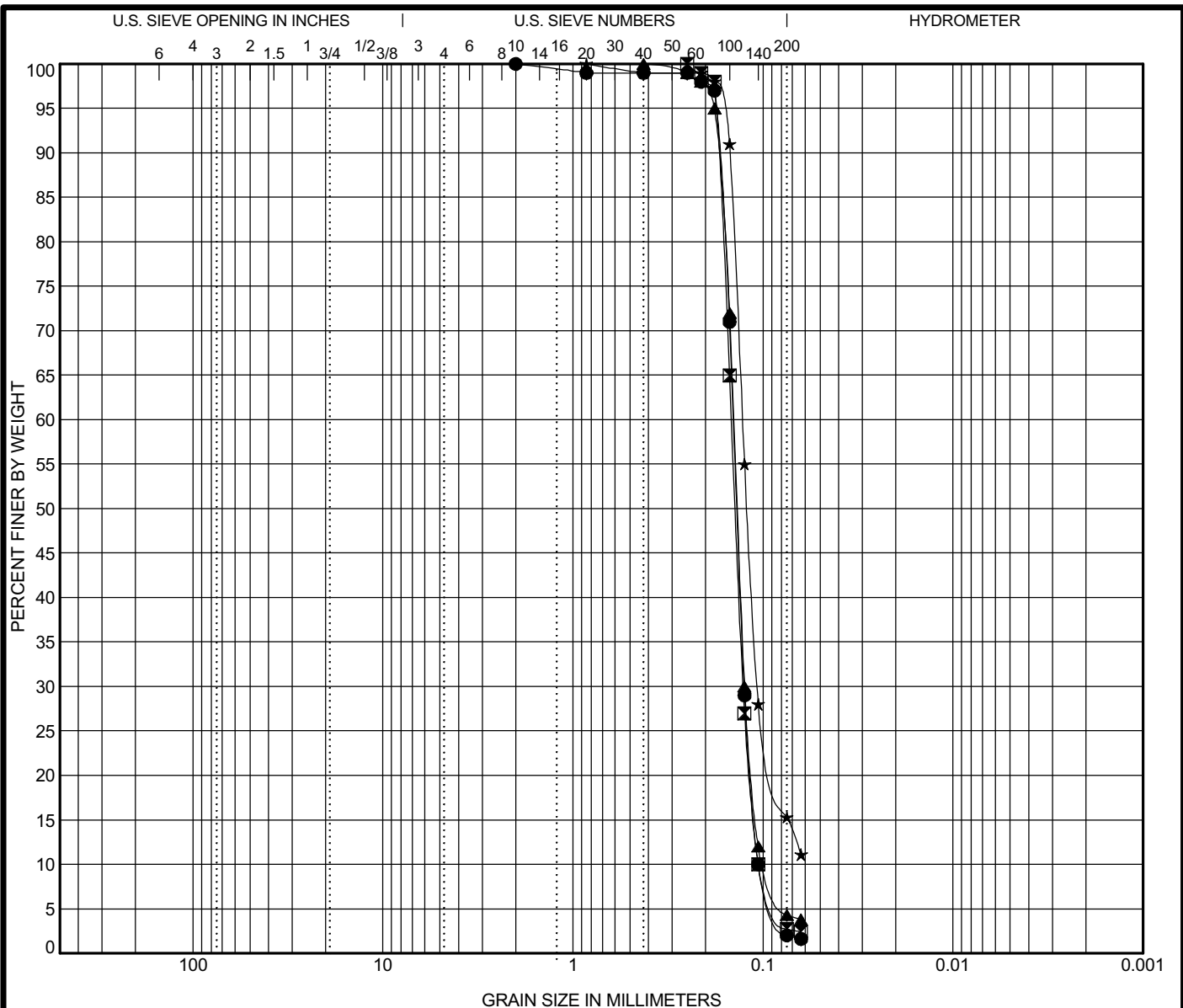
CLIENT: Coast and Harbor Engineering, Inc.
PROJECT: Proposed San Luis Pass Project
LOCATION: W. Galveston Bay; Freeport, Texas
NUMBER: G106337

DATE(S) DRILLED: 5/18/06 - 5/18/06

FIELD DATA										LABORATORY DATA					DRILLING METHOD(S): Disturbed Samples
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			DRY DENSITY POUNDS/CU.FT	COMPRESSIVE STRENGTH (TONS/SQ FT)	MINUS NO. 200 SIEVE (%)	GROUNDWATER INFORMATION: N/A			
						LL	PL	PI							
	1	S-1									2	POORLY GRADED SAND , 2.5Y 5/3 light olive brown. Same as above, 2.5Y 5/2 gray brown.			
	2														
	3	S-2									3				
	4														
	5											Same as above, 2.5Y 5/2 gray brown.			
	6	S-3									4				
	7											SILTY CLAYEY SAND , 2.5Y 6/2 light brown gray.			
	8														
	9	S-4									15				
	10											Boring terminated at a depth of 10' below the ground surface.			

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

REMARKS:
Soil Sampling performed by RETL at N29 deg 05' 35.0" W95 deg 07' 20.8"



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification	Classification	LL	PL	PI	Cc	Cu
● B-9 1.0	POORLY GRADED SAND(SP)				1.04	1.35
☒ B-9 2.5	POORLY GRADED SAND(SP)				1.04	1.38
▲ B-9 5.0	POORLY GRADED SAND(SP)				1.13	1.47
★ B-9 7.5					1.49	2.13

Specimen Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● B-9 1.0	2	0.143	0.126	0.106	0.0	98.0	2.0	
☒ B-9 2.5	0.25	0.146	0.127	0.106	0.0	97.3	2.7	
▲ B-9 5.0	0.425	0.142	0.125	0.097	0.0	95.7	4.3	
★ B-9 7.5	0.85	0.128	0.107	0.06	0.0	84.7	15.3	

GRAIN SIZE DISTRIBUTION

Project: Proposed San Luis Pass Project

Location: W. Galveston Bay, Freeport, Texas

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