

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-5				BORING B-6			
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	100	100	100	100	100	100	100	100
#20	99	100	100	100	100	100	100	100
#40	98	100	100	100	100	100	100	99
#60	98	99	100	99	99	99	99	98
#70	97	98	99	98	98	98	98	97
#80	96	95	97	95	94	95	95	91
#100	73	76	80	74	58	74	55	49
#120	33	42	39	40	22	35	23	26
#140	12	21	15	18	9	16	9	15
#200	2.4	7.2	3.5	5.5	1.6	5.5	3.5	8.4
#230	1.9	5.8	3.4	4.5	1.3	5.5	3.1	7.4
Color	2.5Y 6/2	2.5Y 4/1	2.5Y 5/2	2.5Y 5/2	2.5Y 5/1	2.5Y 5/1	2.5Y 5/1	2.5Y 5/1
Description	Lt Brown Gray	Dark Gray	Gray Brown	Gray Brown	Gray	Gray	Gray	Gray

	BORING B-7					
SIEVE SIZE	0-2.5'	2.5'-5'	5'-7.5'	7.5'-10'	10'-12.5'	12.5'-15'
#10	100	100	100	99	100	100
#20	100	100	99	99	100	100
#40	100	100	99	98	100	100
#60	99	100	98	97	99	99
#70	99	100	97	94	99	99
#80	97	99	92	88	96	98
#100	44	87	47	55	79	82
#120	17	42	20	25	40	39
#140	7	15	8	9	17	16
#200	2.0	4.1	2.7	2.4	4.3	5.3
#230	1.8	3.6	2.5	2.1	1.3	4.7
Color	2.5Y 5/2	2.5Y 5/1	2.5Y 5/1	2.5Y 6/2	2.5Y 6/2	2.5Y 5/2
Description	Gray Brown	Gray Brown	Gray	Lt. Brown Gray	Lt. Brown Gray	Gray Brown

LOG OF BORING B-6

SHEET 1 of 1



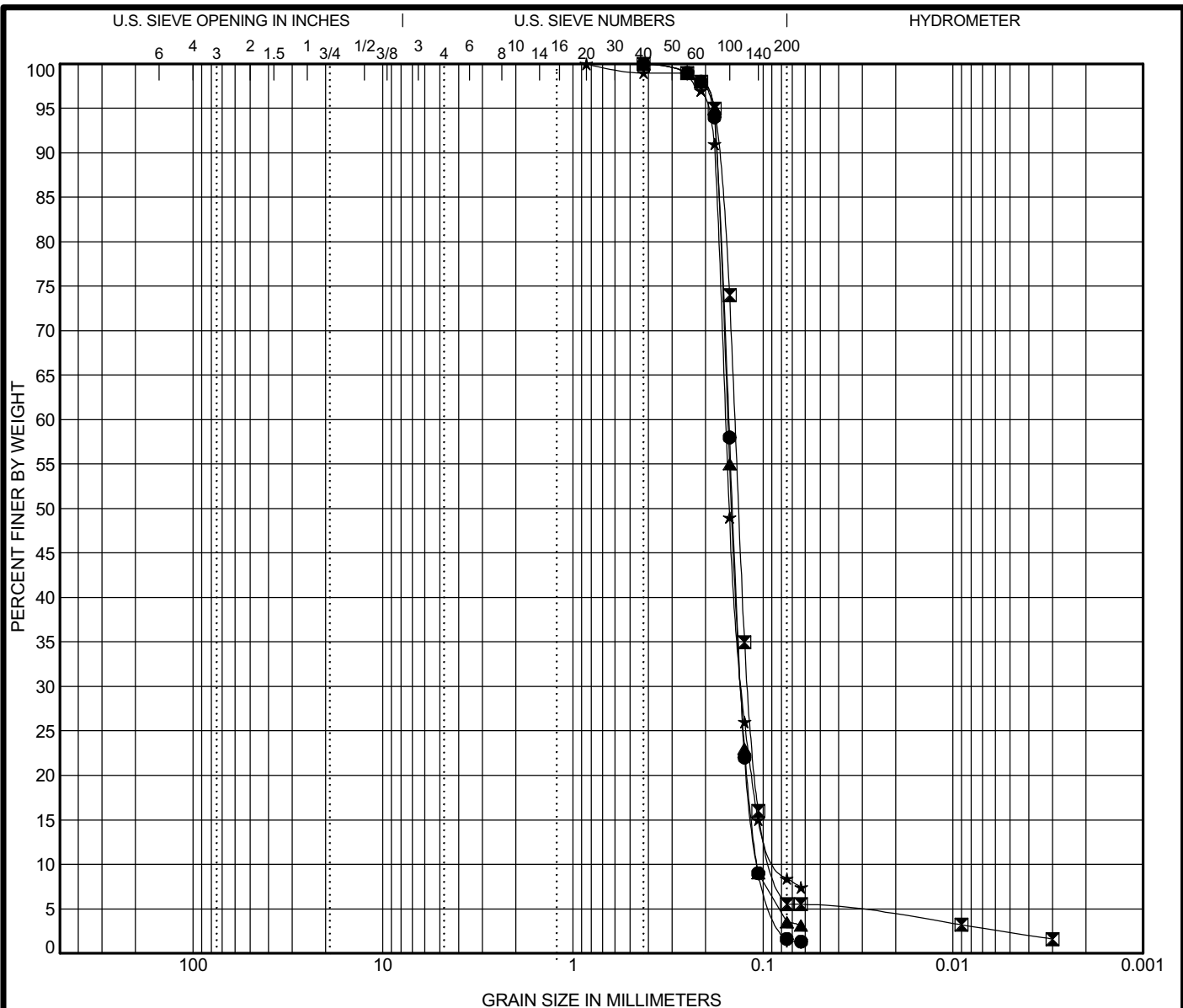
Rock Engineering and Testing Laboratory, Inc.
4910 Neptune Street
Corpus Christi, Texas 78405
Telephone: (361) 883-4555
Fax: (361) 883-4711

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							
												SURFACE ELEVATION: N/A			
												DESCRIPTION OF STRATUM			
												<u>WATER DEPTH= 1-FOOT</u>			
	1											<u>POORLY GRADED SAND</u> , 2.5Y 5/1 gray. Same as above, 2.5Y 5/1 gray. Same as above, 2.5Y 5/1 gray. <u>POORLY GRADED SAND</u> , 2.5Y 5/1 gray.			
	2	S-1									2				
	3										6				
	4	S-2													
	5														
	6										4				
	7	S-3													
	8														
	9	S-4									8				
	10														
												Boring terminated at a depth of 10' below the bay bottom.			
N - STANDARD PENETRATION TEST RESISTANCE P - POCKET PENETROMETER RESISTANCE T - POCKET TORVANE SHEAR STRENGTH												REMARKS: Soil Sampling performed by RETL at N29 deg 05' 37.6" W95 deg 07' 55.5"			

LOG OF BORING G106337.GPJ ROCK ETL.GDT 6/2/06



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification	Classification	LL	PL	PI	Cc	Cu
● B-6 1.0	POORLY GRADED SAND(SP)				1.04	1.41
☒ B-6 2.5					1.17	1.62
▲ B-6 5.0	POORLY GRADED SAND(SP)				1.03	1.43
★ B-6 7.5					1.30	1.93

Specimen Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● B-6 1.0	0.425	0.152	0.13	0.107	0.0	98.4	1.6	
☒ B-6 2.5	0.425	0.14	0.12	0.087	0.0	94.5	5.5	
▲ B-6 5.0	0.425	0.153	0.13	0.107	0.0	96.5	3.5	
★ B-6 7.5	0.85	0.157	0.129	0.082	0.0	91.6	8.4	

GRAIN SIZE DISTRIBUTION

Project: Proposed San Luis Pass Project
Location: W. Galveston Bay, Freeport, Texas
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