

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

SHEET 1 of 1

SHEET 1 of 1

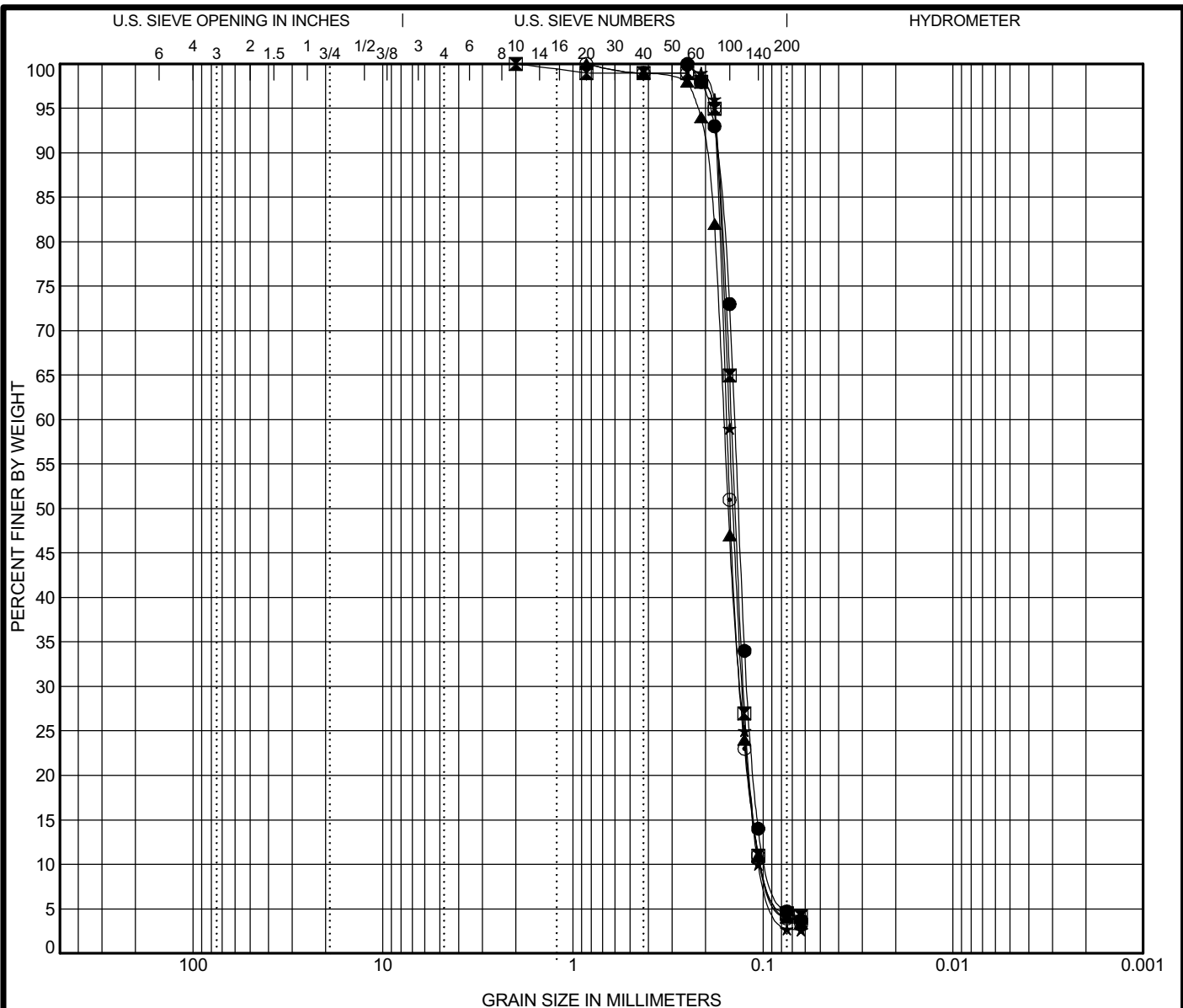


Rock Engineering and Testing Laboratory, Inc.
4910 Neptune Street
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CLIENT:	Coast and Harbor Engineering, Inc.
PROJECT:	Proposed San Luis Pass Project
LOCATION:	W. Galveston Bay; Freeport, Texas
NUMBER:	G106337

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		
						LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX				SURFACE ELEVATION: N/A		
						LL	PL	PI				DESCRIPTION OF STRATUM		
	1	S-1										<u>WATER DEPTH= 3-FEET</u>		
	2										5	<u>POORLY GRADED SAND</u> 2.5Y 5/2 gray brown.		
	3	S-2										5	Same as above, 2.5Y 5/2 gray brown.	
	4													
	5	S-3											Same as above, 2.5Y 6/2 light brown gray.	
	6										4			
	7													
	8	S-4											<u>POORLY GRADED SAND</u> 2.5Y 5/2 light brown gray.	
	9										10			
	10											Same as above, 2.5Y 5/2 gray brown.		
	11	S-5										3		
	12													
	13	S-6											Same as above, 2.5Y 5/2 gray brown.	
	14										5			
	15												Boring terminated at a depth of 15' below the bay bottom.	
N - STANDARD PENETRATION TEST RESISTANCE P - POCKET PENETROMETER RESISTANCE T - POCKET TORVANE SHEAR STRENGTH												REMARKS: Soil Sampling perfomred by RETL at N29 deg 05' 27.5" W95 deg 08' 08.7"		



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification			Classification					LL	PL	PI	Cc	Cu
●	B-10	1.0	POORLY GRADED SAND(SP)								1.13	1.55
☒	B-10	2.5	POORLY GRADED SAND(SP)								1.09	1.46
▲	B-10	5.0	POORLY GRADED SAND(SP)								1.06	1.59
★	B-10	7.5	POORLY GRADED SAND(SP)								1.03	1.42
⊙	B-10	10.0	POORLY GRADED SAND(SP)								1.09	1.54
Specimen Identification			D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay		
●	B-10	1.0	0.25	0.141	0.121	0.091	0.0	95.3	4.7			
☒	B-10	2.5	2	0.146	0.127	0.101	0.0	95.5	4.5			
▲	B-10	5.0	0.85	0.161	0.131	0.101	0.0	96.0	4.0			
★	B-10	7.5	0.25	0.151	0.128	0.106	0.0	97.3	2.7			
⊙	B-10	10.0	0.85	0.156	0.131	0.101	0.0	96.1	3.9			



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GRAIN SIZE DISTRIBUTION

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