

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-13					
SIEVE SIZE	0-2.5'	2.5'-5'	5'-7.5'	7.5'-10'	10'-12.5'	12.5'-15'
#10	99	100	100	100	100	98
#20	98	100	99	100	99	95
#40	97	100	99	100	99	92
#60	96	99	98	99	98	90
#70	94	98	94	98	92	87
#80	87	91	86	94	81	83
#100	49	49	41	40	44	67
#120	20	20	19	15	20	40
#140	8	8	8	7	10	19
#200	1.8	2.6	2.8	3.6	4.7	9.4
#230	1.7	2.3	2.6	3.0	4.2	8.3
Color	2.5Y 5/1	2.5Y 5/1	2.5Y 5/1	2.5Y 5/2	2.5Y 6/2	2.5Y 6/2
Description	Gray Brown	Gray	Gray	Gray Brown	Lt Brown Gray	Lt Brown Gray

	BORING B-14					
SIEVE SIZE	0-2.5'	2.5'-5'	5'-7.5'	7.5'-10'	10'-12.5'	12.5'-15'
#10	99	100	100	98	100	100
#20	98	100	100	97	99	99
#40	97	100	99	96	99	99
#60	95	99	99	95	98	98
#70	89	99	97	91	95	96
#80	78	98	91	87	95	93
#100	42	78	49	38	47	60
#120	20	34	18	14	16	28
#140	11	14	11	6	7	11
#200	6.1	4.9	2.4	2.6	2.5	4.1
#230	5.6	4.4	2.4	2.6	2.3	3.7
Color	2.5Y 5/2	2.5Y 6/2	2.5Y 7/2	2.5Y 6/2	2.5Y 6/2	2.5Y 5/2
Description	Gray Brown	Light Brown Gray	Lt Gray	Lt Brown Gray	Lt Brown Gray	Gray Brown

SHEET 1 of 1

SHEET 1 of 1

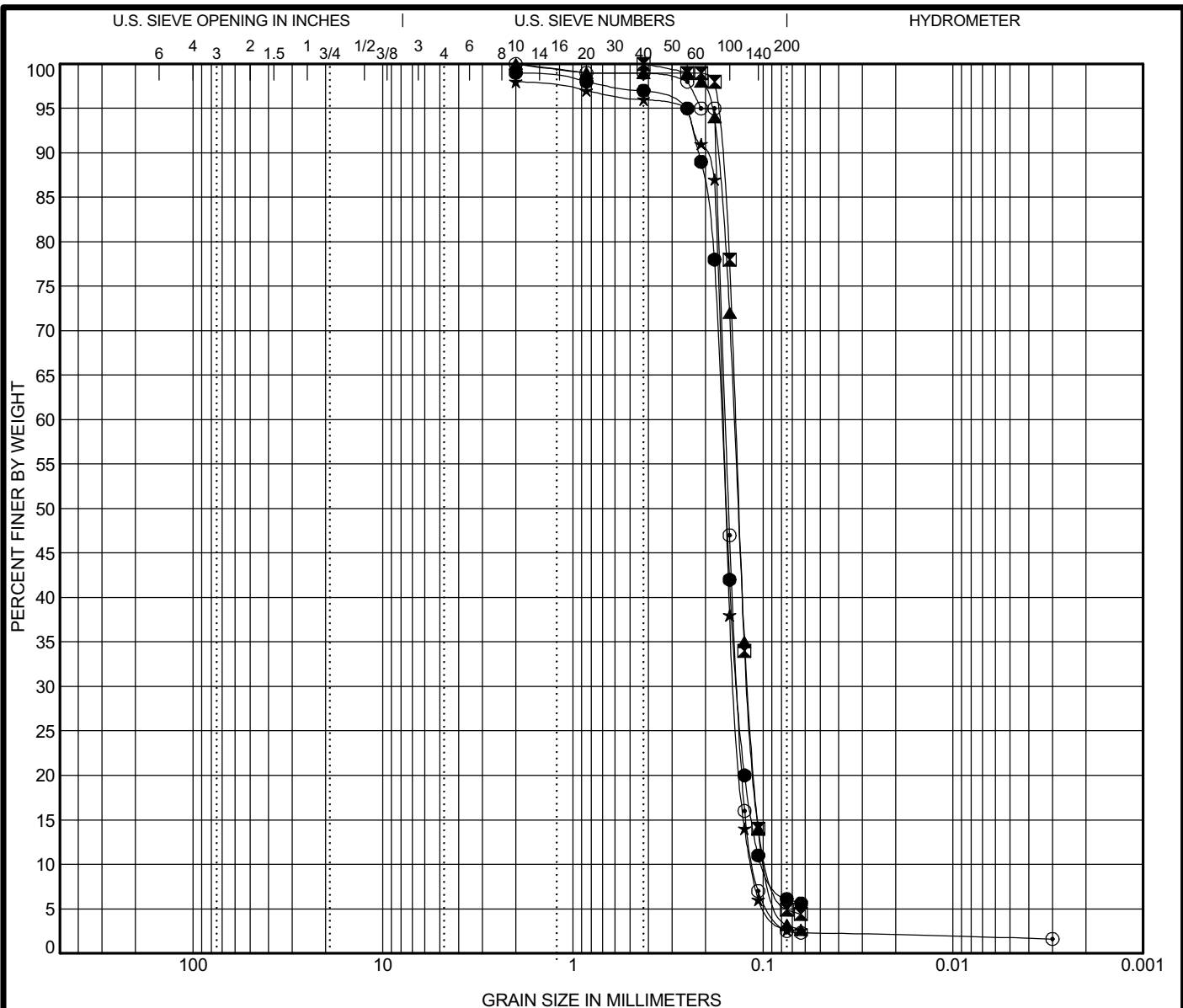


Rock Engineering and Testing Laboratory, Inc.
4910 Neptune Street
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CLIENT:	Coast and Harbor Engineering, Inc.
PROJECT:	Proposed San Luis Pass Project
LOCATION:	W. Galveston Bay; Freeport, Texas
NUMBER:	G106337

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

SOIL SYMBOL	FIELD DATA				LABORATORY DATA							DRILLING METHOD(S):
	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 (%)	Disturbed Samples
						LIQUID LIMIT LL	PLASTIC LIMIT PL	PLASTICITY INDEX PI				GROUNDWATER INFORMATION: N/A
SURFACE ELEVATION: N/A												DESCRIPTION OF STRATUM
												WATER DEPTH= 3- FEET
	1	S-1									6	POORLY GRADED SAND 2.5Y 5/2 gray brown. Same as above, 2.5Y 6/2 light brown gray.
	2											
	3											
	4	S-2									5	Same as above, 2.5Y 7/2 light gray.
	5											
	6											
	7	S-3									2	POORLY GRADED SAND 2.5Y 6/2 light brown gray. Same as above, 2.5Y 6/2 light brown gray.
	8											
	9											
	10	S-4									3	Same as above, 2.5Y 5/2 gray brown.
	11											
	12											
	13	S-5									3	Boring terminated at a depth of 15' below the bay bottom.
	14											
	15											
		S-6									4	REMARKS: Soil Sampling perfomred by RETL at N29 deg 05' 20.9" W95 deg 07' 45.5"
N - STANDARD PENETRATION TEST RESISTANCE P - POCKET PENETROMETER RESISTANCE T - POCKET TORVANE SHEAR STRENGTH												



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification		Classification				LL	PL	PI	Cc	Cu
●	B-14 1.0								1.14	1.66
☒	B-14 2.5	POORLY GRADED SAND(SP)							1.15	1.53
▲	B-14 5.0	POORLY GRADED SAND(SP)							1.10	1.52
★	B-14 7.5	POORLY GRADED SAND(SP)							1.06	1.41
⊙	B-14 10.0	POORLY GRADED SAND(SP)							1.04	1.41
Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	
●	B-14 1.0	2	0.164	0.136	0.099	0.0	92.9	6.1		
☒	B-14 2.5	0.425	0.139	0.121	0.091	0.0	95.1	4.9		
▲	B-14 5.0	2	0.141	0.12	0.093	0.0	96.8	3.2		
★	B-14 7.5	2	0.163	0.141	0.115	0.0	95.4	2.6		
⊙	B-14 10.0	2	0.158	0.136	0.112	0.0	97.5	2.5		



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GRAIN SIZE DISTRIBUTION

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