

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

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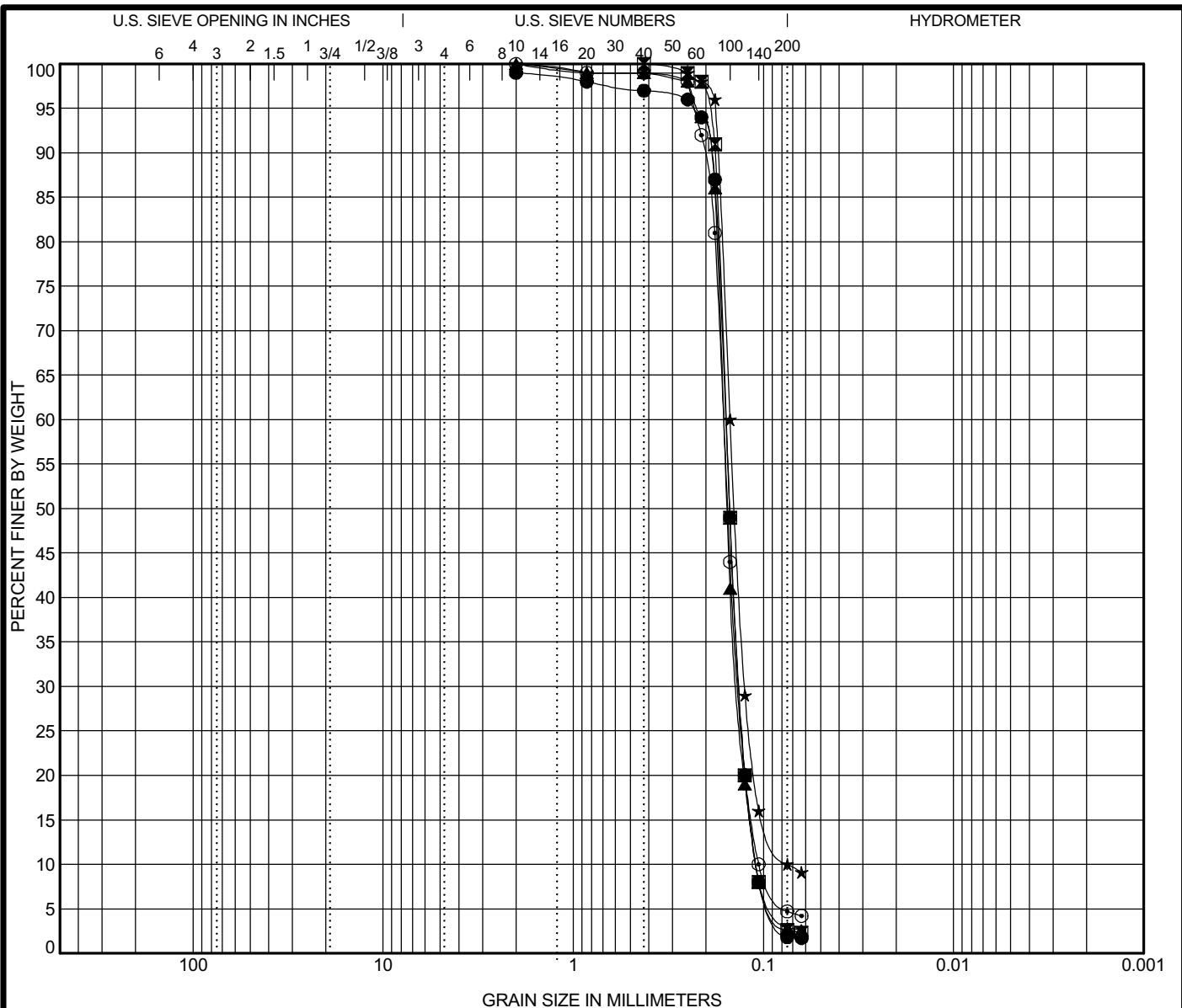


Rock Engineering and Testing Laboratory, Inc.
4910 Neptune Street
Corpus Christi, Texas 78405
Telephone: (361) 883-4555
Fax: (361) 883-4711

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):	
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 (%)	Disturbed Samples	
						LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX				GROUNDWATER INFORMATION:	
						LL	PL	PI				N/A	
												SURFACE ELEVATION: N/A	
												DESCRIPTION OF STRATUM	
	1	S-1										2	<u>POORLY GRADED SAND</u> , 2.5Y 5/1 gray brown.
	2												
	3	S-2										3	
	4												
	5											3	
	6	S-3											
	7											Same as above, 2.5Y 6/2 light brown gray.	
	8	S-4											5
	9											Same as above, 2.5Y 6/2 light brown gray.	
	10												9
	11	S-5											
	12												Boring terminated at a depth of 15' below the bay bottom.
	13	S-6											
	14												
	15												
N - STANDARD PENETRATION TEST RESISTANCE P - POCKET PENETROMETER RESISTANCE T - POCKET TORVANE SHEAR STRENGTH												REMARKS: Soil Sampling perfomed by RETL at N29 deg 05' 17.6" W95 deg 08' 00.5"	



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification		Classification				LL	PL	PI	Cc	Cu
●	B-13 1.0	POORLY GRADED SAND(SP)							1.03	1.45
☒	B-13 2.5	POORLY GRADED SAND(SP)							1.03	1.44
▲	B-13 5.0	POORLY GRADED SAND(SP)							1.06	1.48
★	B-13 7.5	POORLY GRADED SAND(SP)							1.41	2.00
⊙	B-13 10.0	POORLY GRADED SAND(SP)							1.06	1.53
Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	
●	B-13 1.0	2	0.158	0.133	0.109	0.0	97.2	1.8		
☒	B-13 2.5	0.425	0.157	0.133	0.109	0.0	97.4	2.6		
▲	B-13 5.0	2	0.162	0.137	0.109	0.0	97.2	2.8		
★	B-13 7.5	2	0.15	0.126	0.075	0.0	90.0	10.0		
⊙	B-13 10.0	2	0.162	0.135	0.106	0.0	95.3	4.7		

GRAIN SIZE DISTRIBUTION

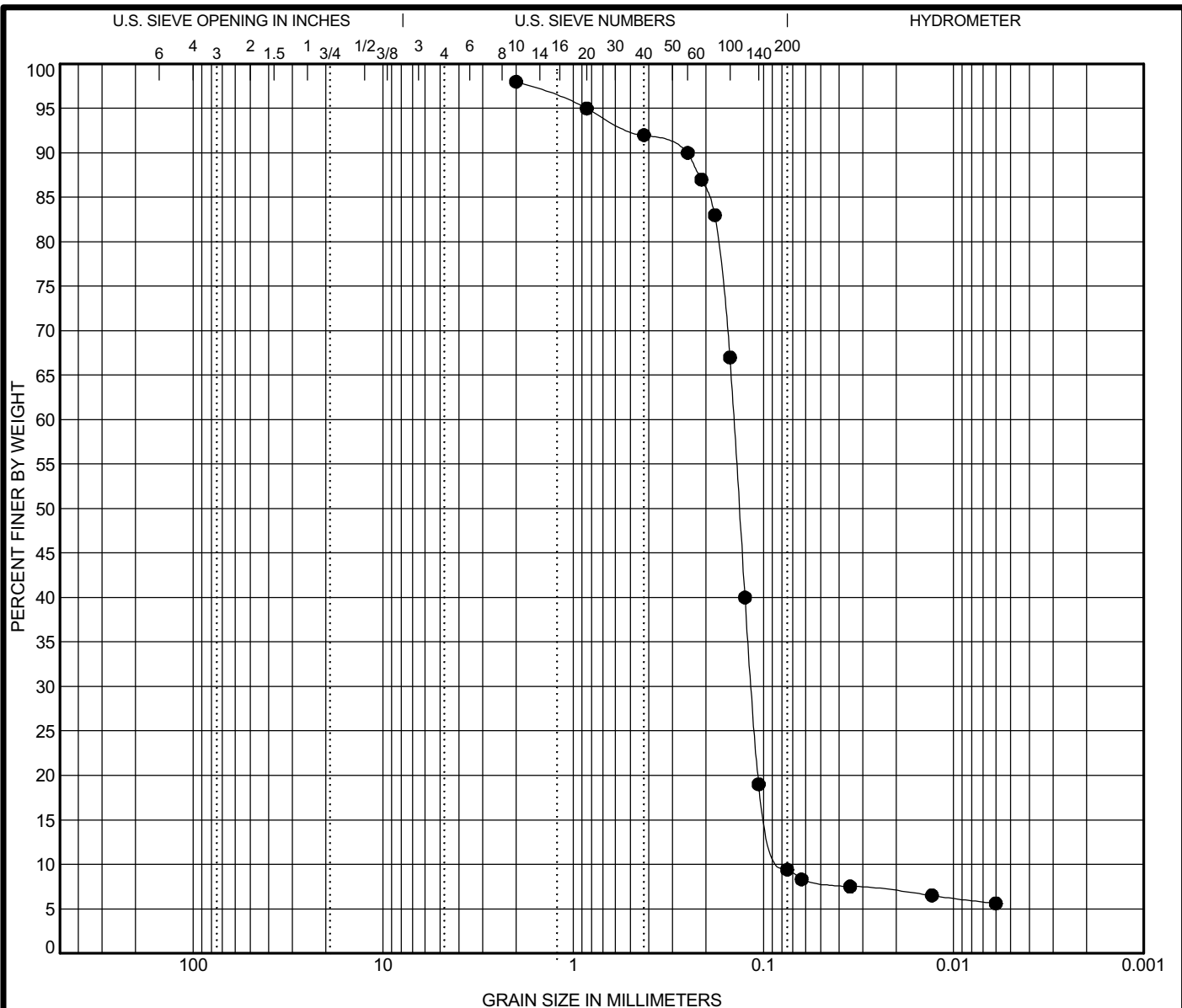
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COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification		Classification				LL	PL	PI	Cc	Cu
●	B-13	12.5							1.22	1.87
Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	
●	B-13	12.5	2	0.143	0.116	0.077	0.0	88.6	9.4	

GRAIN SIZE DISTRIBUTION



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