

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-11					
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	100	98
#20	100	100	100	100	99	97
#40	100	100	99	100	99	95
#60	99	100	99	99	98	93
#70	98	99	99	99	97	89
#80	98	98	98	97	93	80
#100	55	69	53	58	57	47
#120	21	29	17	25	26	20
#140	7	12	8	10	11	9
#200	1.8	4.4	3.2	2.9	3.4	2.9
#230	1.6	3.8	2.9	2.6	3.0	2.5
Color	2.5Y 5/2	2.5Y 5/1	2.5Y 6/2	2.5Y 5/1	2.5Y 5/2	2.5Y 6/1
Description	Gray Brown	Gray	Lt Brown Gray	Gray	Gray Brown	Gray

	BORING B-12				
SIEVE SIZE	0-2.5'	2.5'-5'	5'-7.5'	7.5'-10'	10'-12.5'
#10	100	100	100	100	100
#20	99	99	99	99	99
#40	99	99	98	99	99
#60	98	97	97	99	98
#70	96	94	95	98	98
#80	93	89	89	96	95
#100	51	56	39	60	60
#120	22	26	15	29	25
#140	9	12	7	16	10
#200	3.3	4.2	3.1	10.0	3.6
#230	3.0	3.9	3.0	9.1	3.2
Color	2.5Y 5/1	2.5Y 5/2	2.5Y 6/2	2.5Y 5/2	2.5Y 5/1
Description	Gray	Gray Brown	Lt Brown Gray	Gray Brown	Gray

LOG OF BORING B-11

SHEET 1 of 1



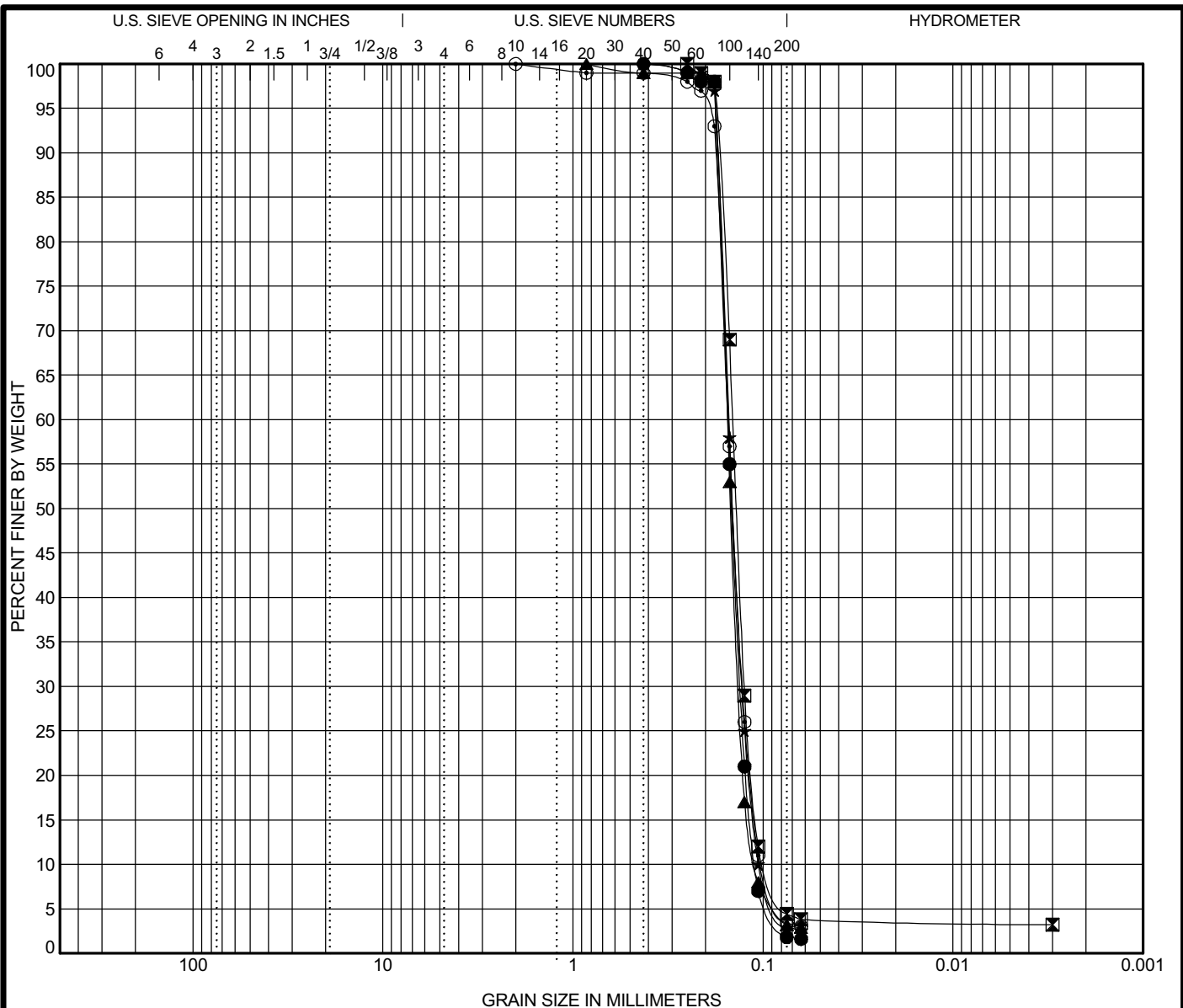
Rock Engineering and Testing Laboratory, Inc.
4910 Neptune Street
Corpus Christi, Texas 78405
Telephone: (361) 883-4555
Fax: (361) 883-4711

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		
						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									2	<u>POORLY GRADED SAND</u> , 2.5Y 5/2 gray brown.			
	3									4	Same as above, 2.5Y 5/1 gray.			
	4	S-2											Same as above, 2.5Y 6/2 light brown gray.	
	5													
	6									3	<u>POORLY GRADED SAND</u> , 2.5Y 5/1 gray.			
	7	S-3											Same as above, 2.5Y 5/2 gray brown.	
	8													
	9									3	Same as above, 2.5Y 6/1 gray.			
	10	S-4											Boring terminated at a depth of 15' below the bay bottom.	
	11													
	12													
	13	S-5											Boring terminated at a depth of 15' below the bay bottom.	
	14													
	15													
		S-6										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 performed by RETL at N29 deg 05' 26.6" W95 deg 07' 60.0"		

LOG OF BORING G106337.GPJ ROCK ETLGDT 6/2/06



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

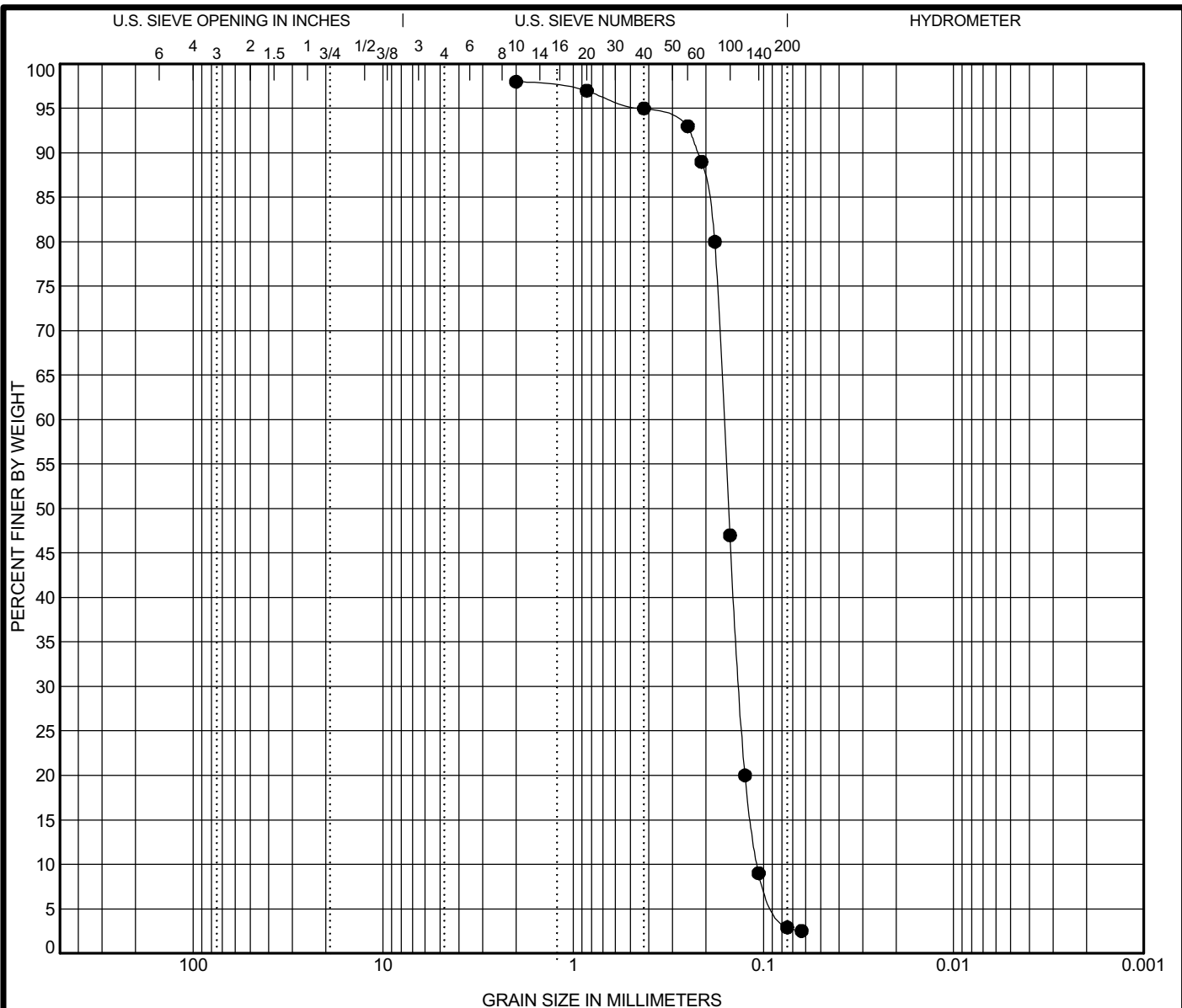
Specimen Identification		Classification				LL	PL	PI	Cc	Cu
●	B-11	1.0	POORLY GRADED SAND(SP)						1.02	1.40
☒	B-11	2.5	POORLY GRADED SAND(SP)						1.13	1.49
▲	B-11	5.0	POORLY GRADED SAND(SP)						1.05	1.40
★	B-11	7.5	POORLY GRADED SAND(SP)						1.03	1.43
⊙	B-11	10.0	POORLY GRADED SAND(SP)						1.06	1.50
Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	
●	B-11	1.0	0.425	0.153	0.131	0.11	0.0	98.2	1.8	
☒	B-11	2.5	0.25	0.144	0.126	0.097	0.0	95.6	4.4	
▲	B-11	5.0	0.85	0.154	0.134	0.11	0.0	96.8	3.2	
★	B-11	7.5	0.425	0.151	0.129	0.106	0.0	97.1	2.9	
⊙	B-11	10.0	2	0.152	0.128	0.101	0.0	96.6	3.4	



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GRAIN SIZE DISTRIBUTION

Project: Proposed San Luis Pass Project
 Location: W. Galveston Bay, Freeport, Texas
 Number: G106337



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification		Classification				LL	PL	PI	Cc	Cu
●	B-11	12.5	POORLY GRADED SAND(SP)						1.03	1.50
Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	
●	B-11	12.5	2	0.161	0.134	0.108	0.0	95.1	2.9	

GRAIN SIZE DISTRIBUTION



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