

October 16, 2006
 Attn.: Mr. Josh Carter
 RETL Job No.: G106505

PROPOSED SAN LUIS PASS PROJECT PHASE 2
 West Galveston Bay
 Freeport, Texas

SIEVE SIZE	BORING C06		BORING C07	
	2.5'-5'	7.5'-10'	0-2.5'	5'-7.5'
#10	100	100	100	100
#20	100	100	100	100
#40	100	100	100	100
#60	100	100	100	100
#70	100	100	99	99
#80	99	99	98	98
#100	97	94	77	75
#120	57	51	33	43
#140	25	25	16	31
#200	4.5	4.1	3.7	20.0
#230	3.0	2.8	2.9	19.1
Color	2.5Y 3/2	2.5Y 4/3	2.5Y 5/2	2.5Y 5/2
Description	Vry. Dk. Gray Brown	Olive Brown	Gray Brown	Gray Brown

SIEVE SIZE	BORING C08			BORING C09		
	2.5'-5'	7.5'-10'	12.5'-15'	0-2.5'	5'-7.5'	10'-12.5'
#10	100	100	100	99	98	100
#20	100	100	100	99	98	100
#40	100	100	100	98	97	99
#60	100	100	100	97	96	99
#70	99	99	99	95	94	97
#80	99	99	98	89	90	94
#100	84	81	76	56	57	65
#120	46	38	34	22	26	28
#140	24	22	16	10	13	14
#200	3.9	4.7	4.4	2.0	3.0	3.2
#230	2.5	3.6	3.6	1.6	2.6	2.7
Color	2.5Y 5/2	2.5Y 5/3	2.5Y 5/1	2.5Y 5/2	2.5Y 5/2	2.5Y 5/2
Description	Gray Brown	Lt. Olive Brown	Gray	Gray Brown	Gray Brown	Gray Brown

LOG OF BORING C-09



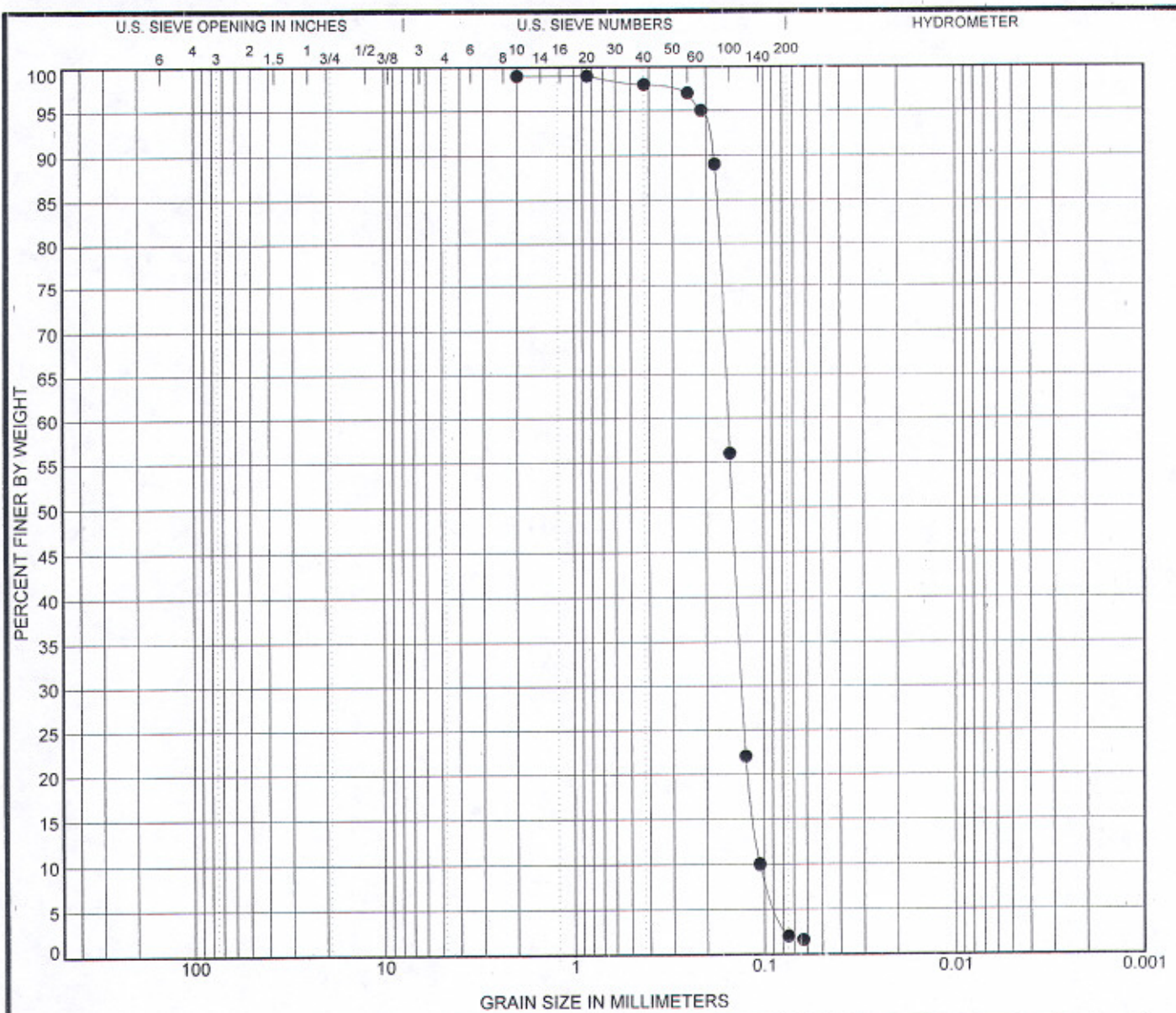
Rock Engineering & Testing Laboratory
 4910 Neptune Street
 Corpus Christi, TX 78405
 Telephone: 361-883-4555
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CLIENT: Coast and Harbor Engineering, Inc.
 PROJECT: Proposed San Luis Pass Project Phase 2
 LOCATION: W. Galveston Bay; Freeport, Texas
 NUMBER: G106505

DATE(S) DRILLED: 9/2206 - 9/2206

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: Boring Performed in water approximately 2 to 3 feet in depth.	
						LIQUID LIMIT LL	PLASTIC LIMIT PL	PLASTICITY INDEX PI				SURFACE ELEVATION: N/A	
DESCRIPTION OF STRATUM													
	1	UNDIS S-1										2	<u>POORLY GRADED SAND</u> 2.5Y 5/2 gray brown.
	2												Same as above, 2.5Y 5/2 gray brown.
	3												
	4	UNDIS S-2											Same as above, 2.5Y 5/2 gray brown.
	5												
	6	UNDIS S-3										3	
	7												
	8												<u>POORLY GRADED SAND</u> , 2.5Y 4/2 dark gray brown.
	9	UNDIS S-4											
	10												Same as above, 2.5Y 5/2 gray brown.
	11	UNDIS S-5										3	
	12												Same as above, 2.5Y 6/3 light yellow brown.
	13												
	14	UNDIS S-6											
	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 performed by RETL at N29.1061 deg W951358 deg.	

LOG OF BORING G106505.GPJ ROCK_ETL.GDT 10/16/06



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification	Classification	LL	PL	PI	Cc	Cu
● C-09 0.0	POORLY GRADED SAND(SP)				1.05	1.45

Specimen Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● C-09 0.0	2	0.153	0.13	0.106	0.0	97.0	2.0	

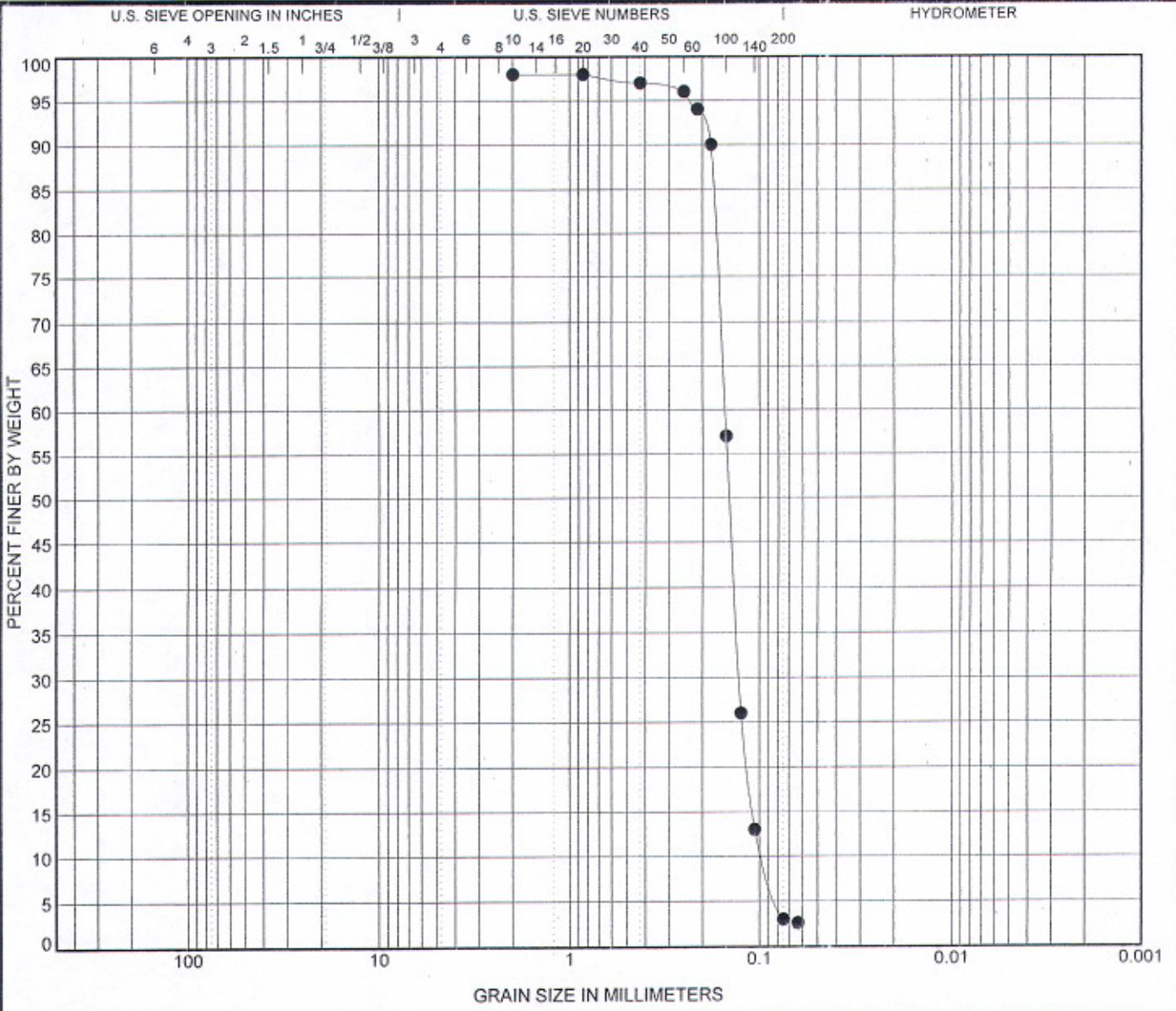
GRAIN SIZE DISTRIBUTION

Project: Proposed San Luis Pass Project Phase 2
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US GRAIN SIZE G106505.GPJ US LAB.GDT 10/17/05



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification	Classification	LL	PL	PI	Cc	Cu
● C-09 5.0	POORLY GRADED SAND(SP)				1.12	1.60

Specimen Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● C-09 5.0	2	0.153	0.128	0.096	0.0	95.0	3.0	



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U.S. GRAIN SIZE G-106505 GPJ U.S. LAB.GDT 10/17/05