

Project No. 03-859-037

Client: United States Army Corps of Engineers

Project: Colorado River to Matagorda Bay; Contract DACW64-03-D-0008; Delivery Order 0037

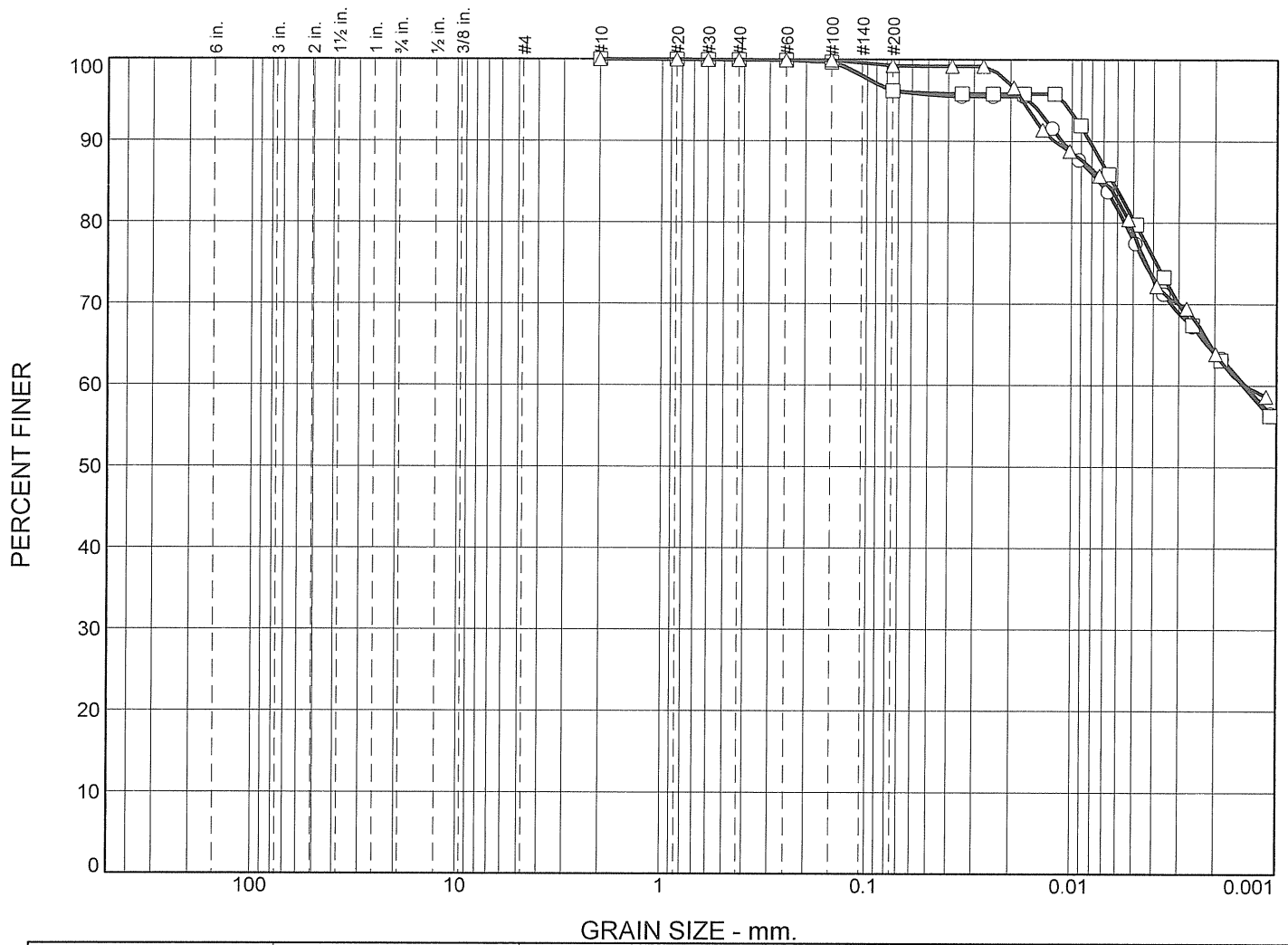
Boring No.	Sample No.	Depth (feet)	Torvane Shear Test (tsf)	Soil Description	USCS	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plast. Index	Finer than #200 Sieve (%)	Uconf. Compr. (tsf)	Failure Strain (%)	Failure Type
	A-64	Surface			CH	138.4		71	23	48	82.8			
	A-65	Surface			CH	173.4		87	23	64	93.1			
	A-66	Surface			CH	187.5		92	26	66	95.3			
	A-67	Surface			CH	178.6		84	26	58	95.3			
	A-68	Surface			CH	211.8		101	30	71	98.4			
	A-69	Surface			CH	215.3		104	28	76	97.5			
	A-70	Surface			CH	238.0		100	27	73	98.1			
	A-71	Surface			CH	218.7		111	28	83	97.4			
	A-72	Surface			CH	181.4		99	25	74	98.3			
	A-73	Surface			CH	200.1		100	27	73	96.2			
	A-74	Surface			CH	229.9		98	27	71	96.2			
	A-75	Surface			CH	193.7		103	26	77	99.3			
	A-76	Surface			CH	244.2		103	28	75	95.9			
	A-77	Surface			SC	73.5		38	19	19	49.0			
	A-78	Surface			CH	205.3		98	29	69	93.0			

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TOLUNAY-WONG ENGINEERS, INC.



Particle Size Distribution Report (ASTM D 422)



GRAIN SIZE - mm.

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.1	3.7	31.9	64.3
□	0.0	0.0	0.0	0.0	0.1	3.7	32.3	63.9
△	0.0	0.0	0.0	0.0	0.1	0.6	35.3	64.0

SOIL DATA

SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	Material Description	USCS
○	Grab Samples	A-73	Surface		CH
□	Grab Samples	A-74	Surface		CH
△	Grab Samples	A-75	Surface		CH

**Tolunay-Wong
Engineers, Inc.
Houston, Texas**

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