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**CLIENT: Atkins North America, Inc.
Houston, Texas**

SITE: Galveston Bay
Galveston, Texas

[illegible]

Hammer Type: Automatic

Notes:

- Water depth of about 7 feet at the time of our field program.

Terracon
551 League City Pkwy Ste F
League City, TX

Boring Completed: 07-11-2017

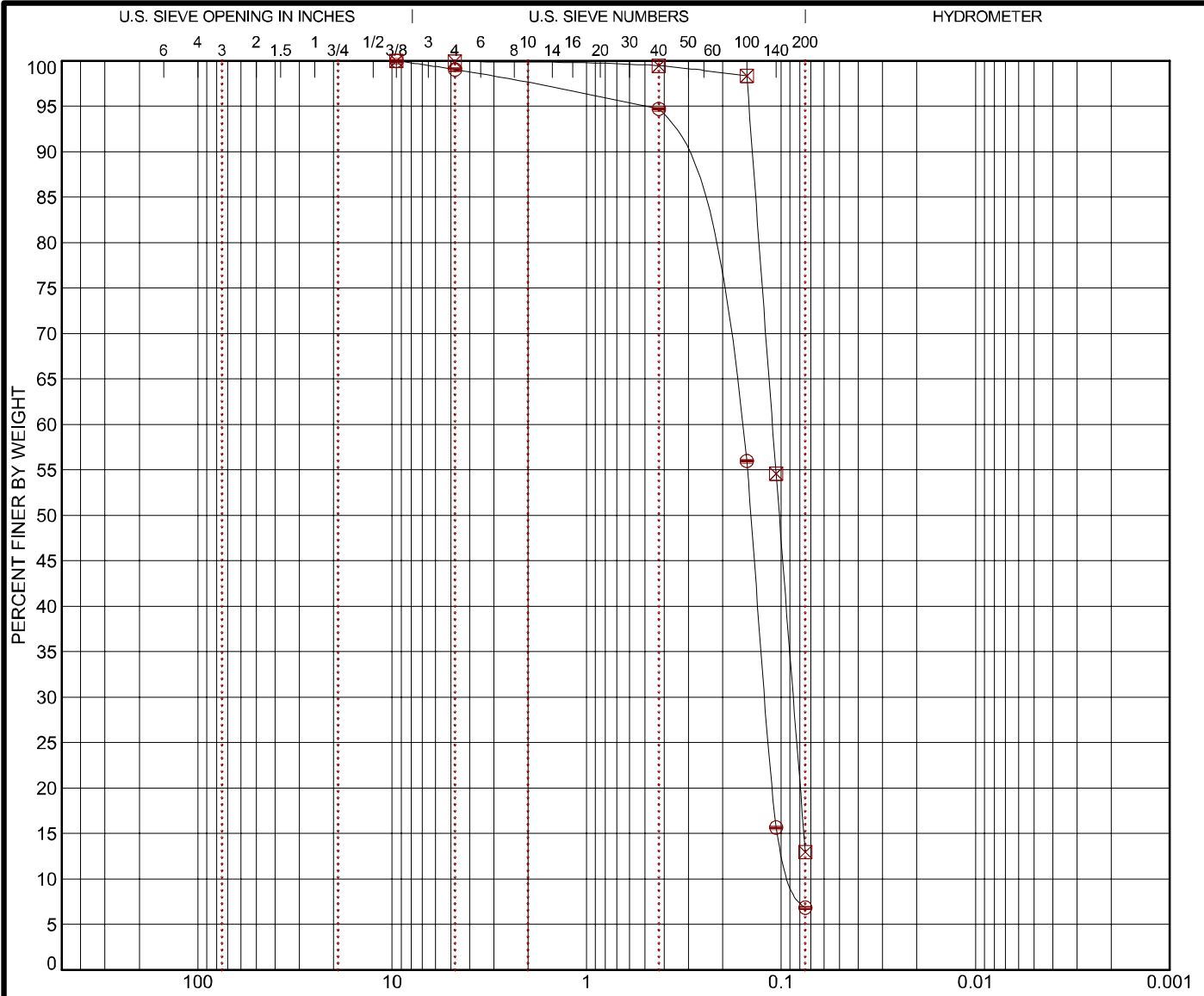
Driller: Van and Sons

Exhibit: A-5

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 91175047.REV1 GALVESTON BAY SAN GPJ TERRACON DATATEMPLATE.GDT 11/21/17

GRAIN SIZE DISTRIBUTION

ASTM D422 / ASTM C136



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Boring ID	Depth	USCS Classification				WC (%)	LL	PL	PI	Cc	Cu
⊖ B-3	2.5 - 4	POORLY GRADED SAND WITH SILT (SP-SM)								1.01	1.97
⊗ B-3	14.5 - 16	SILTY SAND (SM)									
Boring ID	Depth	D ₁₀₀	D ₈₅	D ₅₀	D ₁₀	%Gravel	%Sand	%Silt	%Fines	%Clay	
⊖ B-3	2.5 - 4	9.5	0.327	0.142	0.085	1.0	92.2		6.8		
⊗ B-3	14.5 - 16	9.5	0.135	0.102		0.1	86.9		13.0		

PROJECT: Galveston Bay Sand Reclamation Project

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PROJECT NUMBER: 91175047

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EXHIBIT: A-23