

BORING LOG NO. B-8

PROJECT: Galveston Bay Sand Reclamation Project

CLIENT: Atkins North America, Inc.
Houston, Texas

SITE: Galveston Bay
Galveston, Texas

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 11/2/17

GRAPHIC LOG	LOCATION See Exhibit A-2 Latitude: 29.30376° Longitude: -94.83647°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	STRENGTH TEST			WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS LL-PL-PI	PERCENT FINES
						TEST TYPE	COMPRESSIVE STRENGTH (tsf)	STRAIN (%)				
DEPTH												
	CLAY , gray, very soft				WOH							
					WOH							
		5			WOH							
					WOH							
					WOH							
		10			WOH							
	POORLY GRADED SAND WITH SILT (SP-SM) , gray, loose to medium dense				2-3-2 N=5							
					5-8-8 N=16							11
		15			4-5-7 N=12							
	CLAY , tan and light gray, stiff, with ferrous and calcareous nodules				2.0 (HP)							
	Boring Terminated at 18 Feet											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Dry augered to 16 feet; wet rotary thereafter.

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).

Notes:
- WOH = Weight of Hammer.
- Water depth of about 9 feet at the time of our field program.

Abandonment Method:
Not applicable

See Appendix C for explanation of symbols and abbreviations.

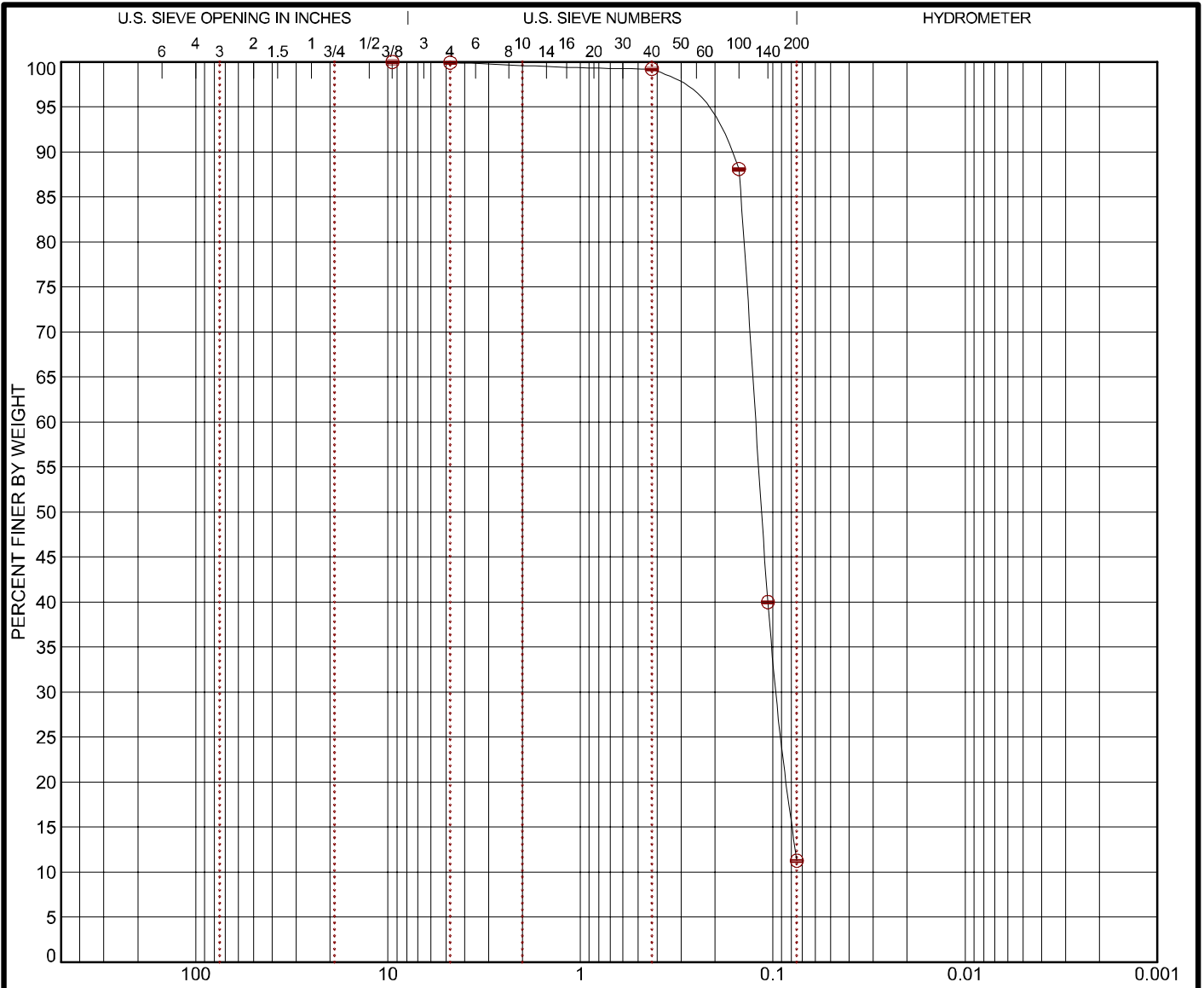
WATER LEVEL OBSERVATIONS
<i>Not applicable</i>



Boring Started: 07-13-2017	Boring Completed: 07-13-2017
Drill Rig: Truck	Driller: Van and Sons
Project No.: 91175047	Exhibit: A-10

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-8	12.5 - 14	POORLY GRADED SAND WITH SILT (SP-SM)				0.98	1.66

Boring ID	Depth	D ₁₀₀	D ₈₅	D ₅₀	D ₁₀	%Gravel	%Sand	%Silt	%Fines	%Clay
⊖	B-8	12.5 - 14	9.5	0.147	0.114	0.1	88.7	11.3		

LABORATORY TESTS ARE NOT VALID IF SEPARATED FROM ORIGINAL REPORT. 91175091_ATKINS_NORTH_GRAINSIZE_TEMP_91175047_GALVESTON_BAY_SAN.GPJ TERRACON_DATATEMPLATE.GDT 11/6/17

PROJECT: Galveston Bay Sand Reclamation Project SITE: Galveston Bay Galveston, Texas	<p style="margin: 0;">551 League City Pkwy Ste F League City, TX</p>	PROJECT NUMBER: 91175047 CLIENT: Atkins North America, Inc. Houston, Texas EXHIBIT: A-25
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