

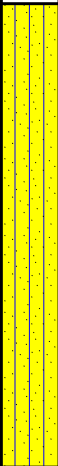
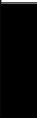
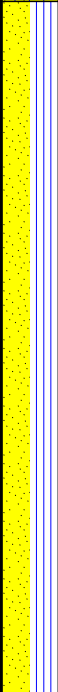
BORING LOG NO. B-3

Page 1 of 1

PROJECT: Galveston Island Sand Source Investigation

CLIENT: Atkins North America, Inc.
Houston, Texas

SITE: Stavanger Property
Galveston, Texas

GRAPHIC LOG	LOCATION See Exhibit A-4 Latitude: 29.1176° Longitude: -95.0789°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	STRENGTH TEST			WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS	PERCENT FINES
						TEST TYPE	COMPRESSIVE STRENGTH (tsf)	STRAIN (%)			LL-PL-PI	
DEPTH												
	SILTY SAND (SM) , tan, loose to medium dense - with scattered roots 0 to 2 feet	5			0.25 (HP)							
	- gray 2 to 6 feet				5-7-7 N=14							
	- tan 6 to 8 feet				4-9-8 N=17			20		15		
					5-10-15 N=25							
8.0	POORLY GRADED SAND WITH SILT (SP-SM) , tan, medium dense - gray below 10 feet - with clay pockets 10 to 14 feet	10			8-11-17 N=28			25			12	
		15			3-5-5 N=10							
				3-4-6 N=10								
				6-8-14 N=22								
				6-7-16 N=23								
				5-9-18 N=27								
20.0	Boring Terminated at 20 Feet	20										

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

Hammer Type: Rope and Cathead

Advancement Method:
Dry augered to 6 feet; wet rotary thereafter.

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:

WATER LEVEL OBSERVATIONS

- 6 ft While drilling
- 6 ft Caved-in

Terracon
551 League City Pkwy Ste F
League City, TX

Boring Started: 09-29-2017

Drill Rig: ATV

Project No.: 91175091

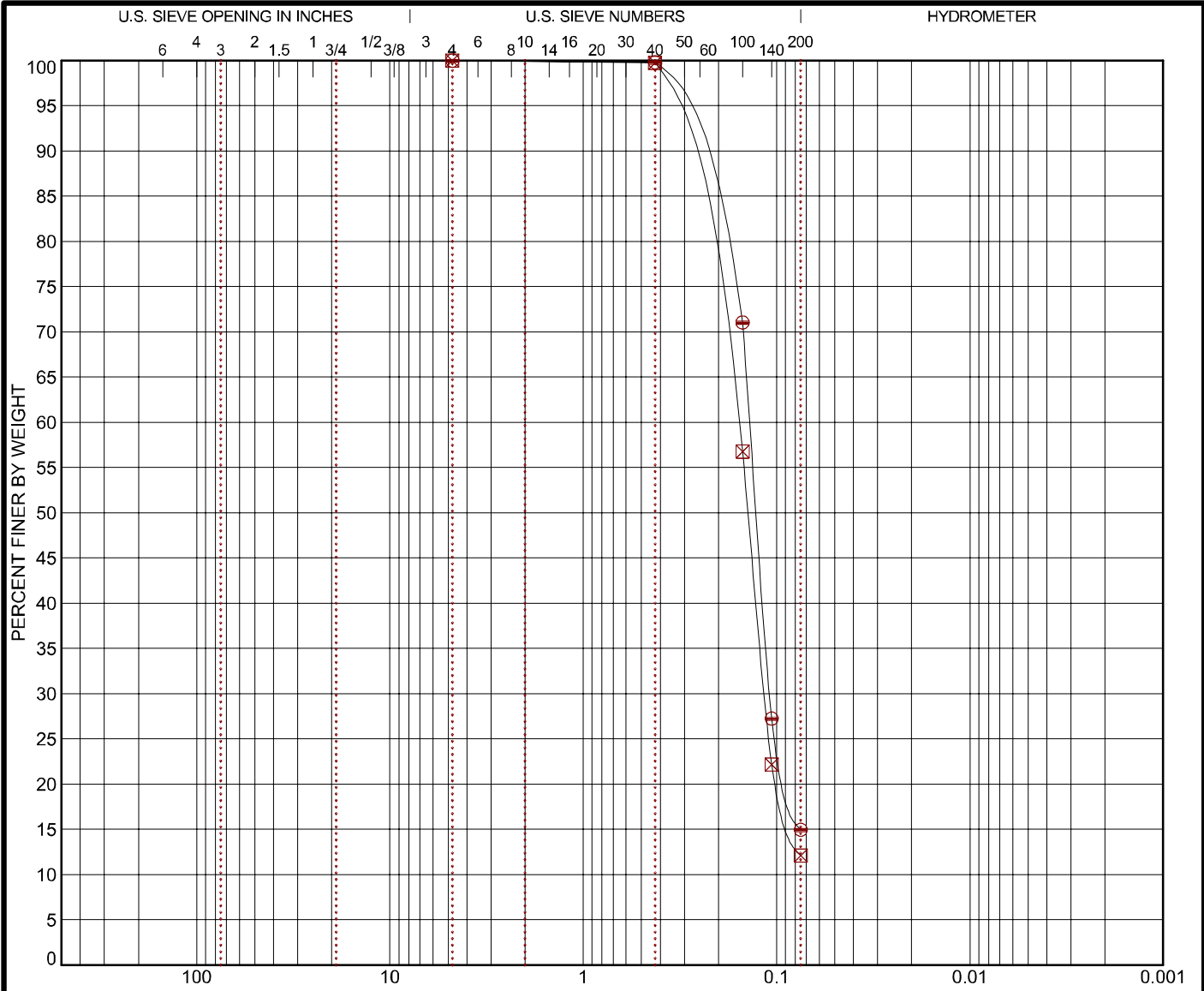
Boring Completed: 09-29-2017

Driller: Van and Sons

Exhibit: A-9

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	4.5 - 6	SILTY SAND (SM)				20					
⊠ B-3	8.5 - 10	POORLY GRADED SAND WITH SILT (SP-SM)				25				1.16	2.33
Boring ID	Depth	D ₁₀₀	D ₈₅	D ₅₀	D ₁₀	%Gravel	%Sand	%Silt	%Fines	%Clay	
⊖ B-3	4.5 - 6	4.75	0.249	0.127		0.0	85.0		15.0		
⊠ B-3	8.5 - 10	4.75	0.297	0.14		0.0	87.9		12.1		

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EXHIBIT: A-26