

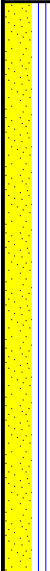
BORING LOG NO. B-8

Page 1 of 1

PROJECT: Galveston Island Sand Source Investigation

CLIENT: Atkins North America, Inc.
Houston, Texas

SITE: Sunset Cove Property
Galveston, Texas

GRAPHIC LOG	LOCATION See Exhibit A-5 Latitude: 29.1457° Longitude: -95.0367° DEPTH	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	
	POORLY GRADED SAND WITH SILT (SP-SM) , tan, medium dense - gray below 6 feet 10.0	5		X	5-6-6 N=12							
				X	5-5-5 N=10			17			9	
				X	3-4-6 N=10							
				X	8-10-11 N=21							
				X								
				X	6-7-11 N=18							
	Boring Terminated at 10 Feet	10										

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

Hammer Type: Rope and Cathead

Advancement Method:
Dry augered to 10 feet.

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:

WATER LEVEL OBSERVATIONS

-  8 ft While drilling
-  7 ft After 5 minutes
-  5.5 ft After 15 minutes

Terracon
551 League City Pkwy Ste F
League City, TX

Boring Started: 09-27-2017

Drill Rig: Truck

Project No.: 91175091

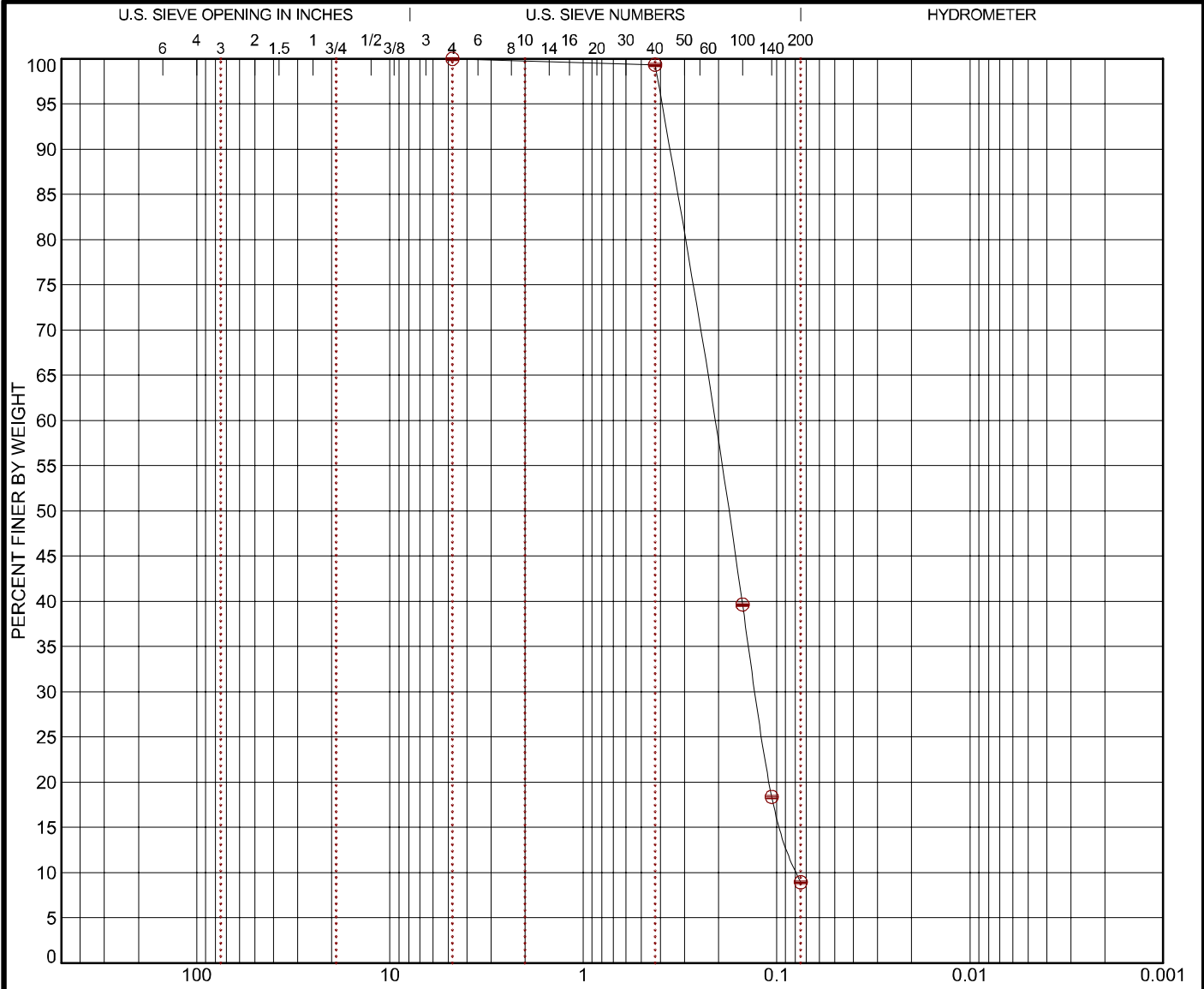
Boring Completed: 09-27-2017

Driller: Van and Sons

Exhibit: A-13

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	2.5 - 4	POORLY GRADED SAND WITH SILT (SP-SM)				17				0.98	2.74
Boring ID	Depth	D ₁₀₀	D ₈₅	D ₅₀	D ₁₀	%Gravel	%Sand	%Silt	%Fines	%Clay	
B-8	2.5 - 4	4.75	0.331	0.18	0.078	0.0	91.1		8.9		

PROJECT: Galveston Island Sand Source Investigation

SITE: Sunset Cove Property
Galveston, Texas

Terracon
551 League City Pkwy Ste F
League City, TX

PROJECT NUMBER: 91175091

CLIENT: Atkins North America, Inc.
Houston, Texas

EXHIBIT: A-30