

BORING LOG NO. B-20

Page 1 of 1

PROJECT: Galveston Bay Sand Reclamation Project

CLIENT: Atkins North America, Inc.
Houston, Texas

SITE: Galveston Bay
Galveston, Texas

GRAPHIC LOG	LOCATION See Exhibit A-2 Latitude: 29.30857° Longitude: -94.8262°	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							
4.0												
	SILTY SAND (SM) , gray, loose to dense				4-6-3 N=9							
		5			2-4-10 N=14							13
					5-8-11 N=19							
		10			7-10-16 N=26							
					8-11-16 N=27							18
		15			12-17-22 N=39							
					10-18-24 N=42							24
	- with clay pockets 18 to 22 feet - with shell fragments below 18 feet				5-8-8 N=16							20
		20			6-7-9 N=16							
					6-7-6 N=13							
		25			5-6-8 N=14							13
26.0												
Boring Terminated at 26 Feet												

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

Hammer Type: Automatic

Advancement Method:
Dry augered to 18 feet; wet rotary thereafter.

Abandonment Method:
Not applicable

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

Notes:
- WOH = Weight of Hammer.
- Water depth of about 8 feet at the time of our field program.

WATER LEVEL OBSERVATIONS

Not applicable

Terracon
551 League City Pkwy Ste F
League City, TX

Boring Started: 07-17-2017

Drill Rig: Truck

Project No.: 91175047

Boring Completed: 07-17-2017

Driller: Van and Sons

Exhibit: A-22

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

GRAIN SIZE DISTRIBUTION

ASTM D422 / ASTM C136

