LOG OF BORING C-12

Rock Engineering & Testing Lab., Inc.
6817 Leopard St.
Corpus Christi, TX 78409
Telephone: (361) 883-4555
Fax: (361) 883-4711

CLIENT: HDR, Inc.
PROJECT: Prop. Large Scale Beach Nourishment Project
LOCATION: S. Jetty Borrow Source Area; Galveston, TX
NUMBER: G108558
DATE(S) DRILLED: 07/31/08 - 07/31/08

DRILLING METHOD(S):
Hollow Stem Auger

GROUNDWATER INFORMATION:

SURFACE ELEVATION: -11.0' NAVD

SOIL SYMBOL	Elevation, Ft. [NAVD]	SAMPLE NUMBER	SAMPLES	N: BLOWS/FT P: TONS/SQ FT T: TONS/SQ FT PERCENT RECOVERY/ ROCK QUALITY DESIGNATION	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT LL	ATTERBERG LIMITS: PLASTIC LIMIT PL	ATTERBERG LIMITS: PLASTICITY INDEX PI	DRY DENSITY POUNDS/CU.FT	COMPRESSIVE STRENGTH (TONS/SQ.FT)	MINUS NO. 200 SIEVE (%)	DESCRIPTION OF STRATUM
	5											
	10											
		SS S-1		N= 2	25						8	**POORLY GRADED SAND**, with clay and shell, gray, moist, very loose.
		SS S-2		N= 12								**SILTY CLAYEY SAND**, with shell, gray, moist, medium.
	15	SS S-3		N= 15	26						16	Same as above.
		SS S-4		N= 16								Same as above.
	20	SS S-5		N= 16	21						28	**SILTY CLAYEY SAND**, with shell, gray, moist, medium.
		SS S-6		N= 0								Same as above, very loose.
		SS S-7		N= 4	26						16	Same as above, loose.
	25	SS S-8		N= 2	43						54	**SANDY CLAY**, with shell, gray, very moist, soft.
		SS S-9		N= 0								Same as above, very soft.
	30	SS S-10		N= 1	46						72	Same as above.
		SS S-11		N= WOH								**SANDY CLAY**, with shell, gray, very moist, very soft.
		SS S-12		N= WOH	49						92	Same as above.
												Boring was extended to an elevation of -34-feet NAVD during the drilling operations.

N - STANDARD PENETRATION TEST RESISTANCE
P - POCKET PENETROMETER RESISTANCE
T - POCKET TORVANE SHEAR STRENGTH

REMARKS:
Boring depth and location was determined by HDR, Inc. Boring operations were performed by RETL.
GPS Coord. N. 29.33336 W. 94.71779