

LOG OF BORING B-1

SHEET 1 of 1



Rock Engineering & Testing Lab., Inc.
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CLIENT: RVE, Inc.
PROJECT: Proposed Boardwalk Segment
LOCATION: Goose Island State Park; Rockport, TX
NUMBER: G111118

DATE(S) DRILLED: 02/21/11 - 02/21/11

DRILLING METHOD(S):
Hollow Stem Auger

GROUNDWATER INFORMATION:
Groundwater (GW) was encountered at 1' 6" during the drilling operations.
GW at 4' and caved at 5' upon completion of the drilling operations.

SURFACE ELEVATION: N/A

DESCRIPTION OF STRATUM

POORLY GRADED SAND, with silt, brown, moist, loose.

SANDY FAT CLAY, with calcareous deposits, dark greenish gray, moist, very soft. (CH)

SANDY LEAN CLAY, dark greenish gray, moist, very soft.

Same as above.

Same as above. (CL)

SANDY LEAN CLAY, dark greenish gray, moist, very soft.

Boring was terminated at a depth of 15-feet.

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

REMARKS:

Boring depth was determined by RETL and boring location was determined by RVE, Inc.
Boring operations were performed by EnviroCore, a drilling sub consultant to RETL, at
GPS Coord. N 28.128245 W 96.989498.
WOH = Weight of Hammer

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KEY TO SOIL CLASSIFICATIONS AND SYMBOLS										
UNIFIED SOIL CLASSIFICATION SYSTEM						TERMS CHARACTERIZING SOIL STRUCTURE				
Major Divisions		Letter	Symbol		NAME					
			Hatching	Color						
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	GW		RED	Well - graded gravels or gravel - sand mixtures, little or no fines	SLICKENSIDED - having inclined planes of weakness that are slick and glossy in appearance				
		GP			Poorly-graded gravels or gravel - sand mixtures, little or no fines		FISSURED - containing shrinkage cracks, frequently filled with fine sand or silt; usually more or less vertical			
		GM		YELLOW	Silty gravels, gravel - sand - silt mixtures	LAMINATED (VARVED) - composed of thin layers of varying color and texture, usually grading from sand or silt at the bottom to clay at the top.				
		GC			Clayey gravels, gravel - sand - clay mixtures					
	SAND AND SANDY SOILS	SW		RED	Well - graded sands or gravelly sands, little or no fines			CRUMBLY - cohesive soils which break into small blocks or crumbs on drying		
		SP			Poorly - graded sands or gravelly sands, little or no fines		CALCAREOUS - containing appreciable quantities of calcium carbonate, generally nodular.			
		SM		YELLOW	Silty sands, sand - silt mixtures	WELL GRADED - having wide range in grain-sizes and substantial amounts of all intermediate particle sizes.				
		SC			Clayey sands, sand - clay mixtures			POORLY GRADED - predominantly of one grain size (uniformly graded) or having a range of sizes with some intermediate size missing (gap or skip graded)		
		FINE GRAINED SOILS	SILTS AND CLAYS LL < 50	ML					GREEN	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with
				CL			Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays			
OL				Organic silts and organic silt-clays of low plasticity						
SILTS AND CLAYS LL > 50	MH			BLUE	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts					
	CH				Inorganic clays of high plasticity, fat-clays					
	OH				Organic clays of medium to high plasticity, organic silts					
HIGHLY ORGANIC SOILS	Pt		ORANGE	Peat and other highly organic soils						
TERMS DESCRIBING CONSISTENCY OF SOIL (2)										
COARSE GRAINED SOILS			FINE GRAINED SOILS							
DESCRIPTIVE TERM	NO. BLOWS / FT. STANDARD PEN. TEST		DESCRIPTIVE TERM	NO. BLOWS / FT. STANDARD PEN. TEST	UNCONFINED COMPRESSION TONS PER SQ. FT.					
Very loose	0 - 4		Very Soft	< 2	< 0.25					
Loose	4 - 10		Soft	2 - 4	0.25 - 0.50					
Firm (medium)	10 - 30		Plastic (med. Stiff)	4 - 8	0.50- 1.00					
Dense	30 - 50		Stiff	8 - 15	1.0 - 2.00					
Very Dense	over 50		Very Stiff	15 - 30	2.00 - 4.00					
			Hard	over 30	over 4.00					

Field classification for "Consistency" is determined with a 0.25" diameter penetrometer.