

RECORD OF SOIL EXPLORATION

Ph 32-12

KNOBE CONSULTANTS, INC.

Project Name Long Neck Design Contract
 Location Sussex County, Delaware

Borings B-14 (obs. well)
 Job I-88-146C

SAMPLER

Design 28.78 R Hammer WL 140 Lbs.
 Surf. Elev. 7-22-88 R Hammer Drop 30 In.
 Date Started 2"OD In.

Mole Diameter 8"
 Rock Core Dia X
 Boring Method HSA
 Foreman W. Stephens
 Inspector
 Date Completed 7-22-88

ELEV.	SOIL DESCRIPTION <small>Comp. Moisture, Density, Plasticity, Silty, Pressure</small>	STRA. DEPTH DEPTH-SCALE	CORRECTION	SAMPLE		BORING & SAMPLING NOTES
				NO.	TYPE	
	SURFACE	0.0				
(SM)	Brown tan gray moist very loose to medium dense fine silty sand	4.5	D	1-3	1 DS 18"	7" topsoil water encountered at 11.0' on rods bag sample from 0.0 to 5.0'
	Tan silt with some fine sand (ML)	5	D	5-8	2 DS 18"	
		7.0	I	7-8	3 DS 16"	
				8		
	Brown tan gray moist very loose to medium dense fine silty sand (SM)	10	D	12-14	4 DS 15"	
		15	D	7-7	5 DS 16"	
		16.5	I	10-13	6 DS 18"	
		20				
		25				
		30				
		35				
	bottom of test hole at 16.5'					

SAMPLER TYPE
 ST - OPEN END SPOON
 FT - FINESS SHIELD TUBE
 CA - CONTINUOUS FLIGHT AUGER
 WC - ROCK CORE

SAMPLE CONDITIONS
 B - OVERSATURATED
 U - UNSATURATED
 L - LOSE

GROUND WATER DEPTH
 AT COMPLETION 10.5 FT
 AFTER 72 MIN. X
 AFTER MIN. X
 X CAVED 7.5 FT

BORING METHOD
 HSA - HOLLOW STEM AUGER
 CFA - CONTINUOUS FLIGHT AUGER
 DC - DIRECT CASING
 MB - MUD DRILLING

STANDARD PENETRATION TEST-DRIVING 2" OD SAMPLER 1" WITH 140# HAMMER FALLING 30"; COUNT MADE AT 6" INTERVALS