

BORING LOG



FROEHLING & ROBERTSON, INC.

FULL SERVICE LABORATORIES • ENGINEERS & CHEMISTS
 "OVER ONE HUNDRED YEARS OF SERVICE"

Report No. Q-73-329 *Pc 33-67* DATE November 9, 1989
 Client: Allied Terminals *4276167.2* *446066.86*
 Project: Allied Terminal Expansion - Seaford, Delaware
 Boring No.: B-1 Total Depth: 35.5-ft Elevation: INA Location: Upper Terminal
 Type of Boring: Hollow Stem Started: 10-27-89 Completed: 10-28-89 Driller: J Burch/Eddie

Elevation	Depth	DESCRIPTION OF MATERIALS (Classification)	Sample Blows	Sample Depth (Feet)	PID	REMARKS
	0.0	Dark brown to light brown, moist to wet, med. dense to very loose, fine SAND with a little to trace silt and trace organics (SP-SM)	20 10-8	1.5		<u>GROUNDWATER DATA</u> Ground water level at 4-feet upon completion Approximately 5-inches of asphalt and gravel at surface Test borings located in the field by F & R [0] - PID field headspace, ppm units
4.5		Light brown to light gray, wet, very soft, silty CLAY with a little fine sand (CH)	3 2-1	4.0		
8.5		Light brown to tan, wet, very loose fine GRAVEL with some coarse SAND and trace silt (GP)	2 1/12	6.5		
11.0		Light gray to light brown, wet, med. dense, fine SAND with a little to trace silt and trace organic material (SP-SM)	12 6-7	10.0		
			8 6-6	15.0	0	
22.0		Light brown, wet, med. dense, fine to coarse SAND with a trace silt and fine gravel (SP)	10 11-8	20.5	0	
27		Light brown to light gray, wet, very stiff, silty CLAY with a little to trace fine sand (CH)	10 4-12	25.5	0	
			8 10-12	30.5	0	
35.5		Boring terminated at 35.5-feet		35.5	0	

of blows req'd. for a 140 lb. hammer dropping 30 in. to drive 2 in O.D., 1.375 in. I.D. sampler a total of 18 inches in three 6

Scale 1"=5' unless otherwise noted