r™™ BORING LOG



FROEHLING & ROBERTSON, INC.

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

Pc 33- 78 Q-73-329 Report No. DATE November 9, 1989 Client: 4276264.42 Allied Terminals 446168.42 Allied Terminal Expansion - Seaford, Delaware Project: B-5 Total Depth: 30.5-ft Elevation: INA Boring No.: Location: Lower Terminal Type of Boring: Hollow Stem Started: 10-28-89 Completed: 10-28-89 Orller: Eddie DESCRIPTION OF MATERIALS Elevation O O Sample Depth (Classification) REMARKS PID Blows (Feet) Dark brown, wet, loose to very loose 3 1 GROUNDWATER DATA fine to med. SAND with a little silt 1.5 Ground water level at and trace fine gravel and organic 2 5 1-foot upon completion material 1-3 3.0 Gray to light gray, wet, loose, * silt (SM) med. to coarse SAND with a trace 4-5 silt and fine gravel 6.0 (SP-SM) 5-5 2 Test boring located in Light gray to light brown, wet, med 7.5 11 the field by the client. 0 dense, fine SAND with a little* 9.0 9.0 Light gray to light brown, wet, 3 [1] - PID field 0 med. stiff CLAY with a little <u>4-5</u> 10.5 headspace, ppm uni: fine sand and silt (CH) 12.0 Light brown to light gray, wet, Laboratory Test Results med. dense, fine to med. SAND Sample S6 at 9.0 to 10.5 14 Atterberg Limits with some silt 0 Liquid Limit: 55 12-10 (SM) 15.5 Plasitcity Index: 35 Natural Mositure: 28.5% 17.0 Light gray, wet, med. dense, SILT and fine SAND (ML) g .5 11-12 20.5 22.0 Light brown to tan, wet, med. dense fine SAND with a little silt (SM) 5 .5 <u>12-18</u> 25.5 27.0 Light brown, wet, med. dense, fine SAND with a trace silt (SP-SM) 12 14-15 0 30.5 30.5 Boring terminated at 30.5-ft