LOG OF BORING Project: Bayport Ship Channel Phase 2 Project No.: HG1019742 Boring No.: 12-69 (Depth of Water = 15 feet) Date: 12/15/2012 Elevation (MLT): -12.6 feet Groundwater during drilling: 0 feet Northing: 13,793,093.1 Station: 185+77.69 Groundwater after drilling: ---Easting: 3,247,509.2 Range: -279.92 % PASSING NO. 200 SIEVE / DENSITY PCF ELEV. SOIL SYMBOLS SHEAR STRENGTH, TSF DEPTH, SAMPLER SYMBOLS SOIL/ROCK CLASSIFICATION DRY AND FIELD TEST DATA FEET MOISTURE O CONTENT, % PLASTIC LIMIT | F LIQUID LIMIT Firm brown and gray SANDY LEAN CLAY (CL) Firm to very stiff reddish brown FAT CLAY (CH) 99 84 15-13-15 99 -25 99 87 -30 97 -35 91 96 LOG OF SOIL BORING HG-10-19742.GPJ HVJ.GDT 3/5/13 99 Firm to stiff reddish brown LEAN CLAY (CL) -w/ shells 38'-40' = Hand Penet. \triangle = Unconf. Comp. # = UU Triaxial **Shear Types:** = Torvane See Plate 2 for boring location. PLATE A-11a

LOG OF BORING Project: Bayport Ship Channel Phase 2 Project No.: HG1019742 Boring No.: 12-69 (Depth of Water = 15 feet) Date: 12/15/2012 Elevation (MLT): -12.6 feet Groundwater during drilling: 0 feet Northing: 13,793,093.1 Station: 185+77.69 Groundwater after drilling: ---Easting: 3,247,509.2 Range: -279.92 % PASSING NO. 200 SIEVE / DENSITY PCF ELEV. SOIL SYMBOLS SHEAR STRENGTH, TSF DEPTH, SAMPLER SYMBOLS SOIL/ROCK CLASSIFICATION DRY FEET AND FIELD TEST DATA MOISTURE O CONTENT, % PLASTIC LIMIT | F LIQUID LIMIT Firm to stiff reddish brown LEAN CLAY (CL) 98 Very soft gray SANDY LEAN CLAY (CL) 66 Stiff reddish gray FAT CLAY (CH) -60 Medium dense dark brown CLAYEY SAND (SC) 0 31 -65 -70 -75 -80 LOG OF SOIL BORING HG-10-19742.GPJ HVJ.GDT 3/5/13 ● = Hand Penet. ■ = Torvane \triangle = Unconf. Comp. Shear Types: # = UU Triaxial See Plate 2 for boring location. PLATE A-11b