LOG OF BORING Project: Bayport Ship Channel Phase 2 Project No.: HG1019742 Boring No.: 12-63 (Depth of Water = 5.6 feet) Date: 12/4/2012 Elevation (MLT): -2.5 feet Groundwater during drilling: 0 feet Northing: 13,792,636.2 Station: 91+75.17 Groundwater after drilling: ---Easting: 3,238,117.7 Range: -329.62 % 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 brown and gray SANDY LEAN CLAY (CL) 6-8-10 Firm to very stiff reddish brown SILTY CLAY (CL-ML) Medium dense reddish brown CLAYEY SAND (SC) 8-12-12 49 -10 8-8-10 Stiff to very stiff reddish brown FAT CLAY (CH) -15 97 95 -25 Firm to very stiff reddish brown LEAN CLAY (CL) 99 7-9-12 -30 Stiff to hard reddish brown and gray FAT CLAY (CH) 101 LOG OF SOIL BORING HG-10-19742.GPJ HVJ.GDT 3/5/13 98 89 10-16-20 \blacktriangle = Unconf. Comp. Shear Types: = Hand Penet. = Torvane * = UU Triaxial See Plate 2 for boring location. PLATE A-5a

LOG OF BORING Project: Bayport Ship Channel Phase 2 Project No.: HG1019742 Boring No.: 12-63 (Depth of Water = 5.6 feet) Date: 12/4/2012 Elevation (MLT): -2.5 feet Groundwater during drilling: 0 feet Northing: 13,792,636.2 Station: 91+75.17 Groundwater after drilling: ---Easting: 3,238,117.7 Range: -329.62 % PASSING NO. 200 SIEVE / DENSITY PCF ELEV. SOIL SYMBOLS SHEAR STRENGTH, TSF DEPTH, SAMPLER SYMBOLS SOIL/ROCK CLASSIFICATION 1.0 DRY FEET AND FIELD TEST DATA MOISTURE O CONTENT, % PLASTIC LIMIT | F LIQUID LIMIT 10 20 30 40 50 60 70 80 90 Very stiff to hard brown and gray SANDY LEAN CLAY (CL) Ж 106 10-16-20 -45 Medium dense brown CLAYEY SAND (SC) 35 5-6-7 -50 6-8-10 49 -55 5-11-16 31 -60 -65 -70 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-5b