

| DRILLING LOG                                                                                                       |               | DIVISION |                                                                                                                            | INSTALLATION                                                                  |                  | SHEET 1<br>OF 1 SHEETS                                |  |
|--------------------------------------------------------------------------------------------------------------------|---------------|----------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------|-------------------------------------------------------|--|
| <b>1. PROJECT</b><br>McFaddin NWR Beach Ridge Restoration<br>Jefferson County, Texas                               |               |          |                                                                                                                            | <b>9. SIZE AND TYPE OF BIT</b> 3.0 In.                                        |                  |                                                       |  |
| <b>2. BORING DESIGNATION</b><br>JCVC-18-23                                                                         |               |          |                                                                                                                            | <b>10. COORDINATE SYSTEM/DATUM</b><br>Texas South Central                     |                  | <b>HORIZONTAL</b><br>NAD 1983                         |  |
| <b>3. DRILLING AGENCY</b><br>APTIM                                                                                 |               |          |                                                                                                                            | <b>11. MANUFACTURER'S DESIGNATION OF DRILL</b><br>APTIM SEAS VC-700 Vibracore |                  | <b>VERTICAL</b><br>NAVD88                             |  |
| <b>4. NAME OF DRILLER</b><br>Francis Stankiewicz                                                                   |               |          |                                                                                                                            | <b>12. TOTAL SAMPLES</b>                                                      |                  |                                                       |  |
| <b>5. DIRECTION OF BORING</b><br><input checked="" type="checkbox"/> VERTICAL<br><input type="checkbox"/> INCLINED |               |          |                                                                                                                            | <b>13. TOTAL NUMBER CORE BOXES</b>                                            |                  |                                                       |  |
| <b>6. THICKNESS OF OVERBURDEN</b> 0.0 Ft.                                                                          |               |          |                                                                                                                            | <b>14. ELEVATION GROUND WATER</b>                                             |                  |                                                       |  |
| <b>7. DEPTH DRILLED INTO ROCK</b> 0.0 Ft.                                                                          |               |          |                                                                                                                            | <b>15. DATE BORING</b> 05-17-18 12:33                                         |                  |                                                       |  |
| <b>8. TOTAL DEPTH OF BORING</b> 16.2 Ft.                                                                           |               |          |                                                                                                                            | <b>16. ELEVATION TOP OF BORING</b> -21.8 Ft.                                  |                  |                                                       |  |
|                                                                                                                    |               |          |                                                                                                                            | <b>17. TOTAL RECOVERY FOR BORING</b> 17.2 Ft.                                 |                  |                                                       |  |
|                                                                                                                    |               |          |                                                                                                                            | <b>18. SIGNATURE AND TITLE OF INSPECTOR</b><br>KM                             |                  |                                                       |  |
| ELEV.<br>(ft)                                                                                                      | DEPTH<br>(ft) | LEGEND   | CLASSIFICATION OF MATERIALS<br>Depths and elevations based on measured values                                              | %<br>REC.                                                                     | BOX OR<br>SAMPLE | REMARKS                                               |  |
| -21.8                                                                                                              | 0.0           |          |                                                                                                                            |                                                                               |                  |                                                       |  |
| -25.0                                                                                                              | 3.2           |          | CLAY, (3.0" x 2.0") silty organic pocket @ 0.1', (0.75" x 0.5") rocks @ 0.5' and 1.2', light olive brown (2.5Y-5/4), (CL). |                                                                               | T1               | Sample #T1, Depth = 1.6' Ave. Field Vane (tsf): 0.59  |  |
| -27.6                                                                                                              | 5.8           |          | CLAY, little silt, light olive brown (2.5Y-5/3), (CL).                                                                     |                                                                               | T2               | Sample #T2, Depth = 4.5' Ave. Field Vane (tsf): 0.29  |  |
| -31.9                                                                                                              | 10.1          |          | CLAY, 0.5" rocks @ 6.5' (2) and 7.8', (1.5" x 0.5") rock @ 9.0', olive brown (2.5Y-4/3), (CL).                             |                                                                               | T3               | Sample #T3, Depth = 7.9' Ave. Field Vane (tsf): 0.92  |  |
| -39.0                                                                                                              | 17.2          |          | CLAY, 0.5" rocks @ 15.9', 16.1' and 16.4', Bit Sample from 17.0' to 17.2', light yellowish brown (2.5Y-6/3), (CL).         |                                                                               | T4               | Sample #T4, Depth = 13.7' Ave. Field Vane (tsf): 0.87 |  |
|                                                                                                                    |               |          | End of Boring                                                                                                              |                                                                               |                  |                                                       |  |



MCFADDIN NWR BEACH  
RIDGE RESTORATION  
PHASE II  
JCVC-18-23  
0.0' - 2.0'



MCFADDIN NWR BEACH  
RIDGE RESTORATION  
PHASE II  
JCVC-18-23  
2.0' - 4.0'



MCFADDIN NWR BEACH  
RIDGE RESTORATION  
PHASE II  
JCVC-18-23  
4.0' - 6.0'



MCFADDIN NWR BEACH  
RIDGE RESTORATION  
PHASE II  
JCVC-18-23  
6.0' - 8.0'





MCFADDIN NWR BEACH  
RIDGE RESTORATION  
PHASE II  
JCVC-18-23  
8.0'-10.0'



MCFADDIN NWR BEACH  
RIDGE RESTORATION  
PHASE II  
JCVC-18-23  
10.0'-12.0'



MCFADDIN NWR BEACH  
RIDGE RESTORATION  
PHASE II  
JCVC-18-23  
12.0'-14.0'



MCFADDIN NWR BEACH  
RIDGE RESTORATION  
PHASE II  
JCVC-18-23  
14.0'-16.0'





MCFADDIN NWR BEACH  
RIDGE RESTORATION  
PHASE II  
JCVC-18-23  
16.0'-17.2'

