

## Hole No.CB-NC-4

| DRILLING LOG   |       | DIVISION<br>South Atlantic |  | INSTALLATION<br>Jacksonville District                                    |                  | SHEET 1<br>OF 2          |      |
|--|-------|----------------------------|--|--|------------------|--------------------------|------|
| 1. PROJECT<br>Nassau County Beach Nourishment  |       |                            |  | 10. SIZE AND TYPE OF BIT See Remarks                                     |                  |                          |      |
| 2. LOCATION (Coordinates or Station)<br>X=738,185 Y=248,505  |       |                            |  | 11. DATUM FOR ELEVATION SHOWN (TBM or NSL)<br>MLW (FEET)                 |                  |                          |      |
| 3. DRILLING AGENCY<br>Corps of Engineers   |       |                            |  | 12. MANUFACTURER'S DESIGNATION OF DRILL<br>Failing 1500                  |                  |                          |      |
| 4. HOLE NO. (As shown on drawing title and file number)<br>CB-NC-4                                     |       |                            |  | 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN<br>disturbed: 9 undisturbed: 0 |                  |                          |      |
| 5. NAME OF DRILLER<br>J. Detloff   |       |                            |  | 14. TOTAL NUMBER OF CORE BOXES 1   |                  |                          |      |
| 6. DIRECTION OF HOLE<br><input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED |       |                            |  | 15. ELEVATION GROUND WATER TIDAL   |                  |                          |      |
| 7. THICKNESS OF BURDEN Ft.   |       |                            |  | 16. DATE HOLE STARTED COMPLETED<br>1/16/76 1/16/76                       |                  |                          |      |
| 8. DEPTH DRILLED INTO ROCK 0 Ft.   |       |                            |  | 17. ELEVATION TOP OF HOLE -16.9 Ft.                                      |                  |                          |      |
| 9. TOTAL DEPTH OF HOLE 29 Ft.  |       |                            |  | 18. TOTAL CORE RECOVERY FOR BORING 86 %                                  |                  |                          |      |
|  |       |                            |  | 19. SIGNATURE OF Civil Engineer<br>D. Hyatt Civil Engineer               |                  |                          |      |
| ELEV.  | DEPTH | LEGEND                     | CLASSIFICATION OF MATERIALS<br>(Description)     | CORE<br>REC<br>%   | SAMPLE<br>NUMBER | REMARKS<br>Bit or Barrel |      |
| -16.9  | 0     |                            | SAND, fine quartz, trace shell, gray (SP)        |  |                  | -16.9                    | 0    |
| -18.9  | 2.0   |                            | below -18.9, fine to medium, shelly, grayish tan | 50   | 1                | 2" SAMPLER               | 2.5  |
|  |       |                            |  |  | 2                |                          |      |
| -22.9  | 6.0   |                            | below -22.9, trace shell                         | 60   | 3                | 2" SAMPLER               | 7.5  |
| -25.9  | 8.0   |                            |  |  |                  | -25.9                    |      |
|  |       |                            | SAND, fine quartz, silty, trace shell, gray (SM) | 100  | 4                | 2" SAMPLER               | 12.5 |
| -30.9  | 14.0  |                            |  |  |                  | -30.9                    |      |
|  |       |                            | SAND, fine quartz, gray (SP)                     | 100  | 5                | 2" SAMPLER               | 15   |
|  |       |                            |  |  | 6                |                          | 17.5 |
|  |       |                            |  |  |                  | -35.9                    |      |
| -37.9  | 21.0  |                            | SAND, clayey, gray (SC)                          | 100  | 7                | 2" SAMPLER               | 20   |
| -38.9  | 22.0  |                            | CLAY, stiff, trace sand, gray (CH)               |  | 8                |                          | 22.5 |
|  |       |                            |  |  |                  | (continued)              |      |

## DRILLING LOG (Cont. Sheet)

ELEVATION TOP OF HOLE

-16.9 Ft.

SHEET 2  
OF 2

PROJECT

Nassau County Beach Nourishment

INSTALLATION

Jacksonville District

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS<br>(Description)   | CORE<br>REC<br>% | SAMPLE<br>NUMBER | REMARKS<br>Bit or Barrel |      |
|-------|-------|--------|--|------------------|------------------|--------------------------|------|
| -39.4 | 22.5  |        |  | 100              | 8                | 2" SAMPLER               | 22.5 |
|       |       |        |  |                  |                  | -40.9                    |      |
|       |       |        |  | 100              | 9                | 2" SAMPLER               | 25   |
|       |       |        |  |                  |                  |                          | 27.5 |
| -45.9 | 29.0  |        |  |                  |                  | -45.9                    |      |
|       |       |        | NOTE:<br>Soils are field visually classified<br>in accordance with the Unified Soils<br>Classification System.   |                  |                  |                          | 30   |
|       |       |        | Samples recovered using a 2 inch<br>(I.D.) sampler, 5 feet long, driven<br>with a 300 pound hammer, 18 inch drop |                  |                  |                          | 32.5 |
|       |       |        |  |                  |                  |                          | 35   |
|       |       |        |  |                  |                  |                          | 37.5 |
|       |       |        |  |                  |                  |                          | 40   |
|       |       |        |  |                  |                  |                          | 42.5 |
|       |       |        |  |                  |                  |                          | 45   |
|       |       |        |  |                  |                  |                          | 47.5 |
|       |       |        |  |                  |                  |                          | 50   |

PROJECT

Nassau County Beach Nourishment

HOLE NUMBER

CB-NC-4