

| DRILLING LOG                                                                                                      |            | DIVISION<br>Southwestern |                                                                                                          | INSTALLATION<br>Galv Dist, Eng Div         |                              | SHEET<br>OF SHEETS                                                                        |  |
|-------------------------------------------------------------------------------------------------------------------|------------|--------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------|--|
| 1. PROJECT<br>Neches River - Channel to Evadale                                                                   |            |                          |                                                                                                          | 10. SIZE AND TYPE OF BIT                   |                              |                                                                                           |  |
| 2. LOCATION (Coordinates or Station)                                                                              |            |                          |                                                                                                          | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) |                              |                                                                                           |  |
| 3. DRILLING AGENCY<br>U. S. Army Corps of Engineers                                                               |            |                          |                                                                                                          | 12. MANUFACTURER'S DESIGNATION OF DRILL    |                              |                                                                                           |  |
| 4. HOLE NO. (As shown on drawing title and file number)                                                           |            | 3ST-19                   |                                                                                                          | 13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN |                              | DISTURBED<br>7 Jars<br>UNDISTURBED                                                        |  |
| 5. NAME OF DRILLER<br>Curtis                                                                                      |            |                          |                                                                                                          | 14. TOTAL NUMBER CORE BOXES                |                              |                                                                                           |  |
| 6. DIRECTION OF HOLE<br><input type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEG. FROM VERT. |            |                          |                                                                                                          | 15. ELEVATION GROUND WATER                 |                              |                                                                                           |  |
| 7. THICKNESS OF OVERBURDEN                                                                                        |            |                          |                                                                                                          | 16. DATE HOLE                              |                              | STARTED<br>4 Mar<br>COMPLETED<br>4 Mar 1966                                               |  |
| 8. DEPTH DRILLED INTO ROCK                                                                                        |            |                          |                                                                                                          | 17. ELEVATION TOP OF HOLE                  |                              |                                                                                           |  |
| 9. TOTAL DEPTH OF HOLE<br>30.0                                                                                    |            |                          |                                                                                                          | 18. TOTAL CORE RECOVERY FOR BORING %       |                              |                                                                                           |  |
|                                                                                                                   |            |                          |                                                                                                          | 19. SIGNATURE OF INSPECTOR                 |                              |                                                                                           |  |
| ELEVATION<br>a                                                                                                    | DEPTH<br>b | LEGEND<br>c              | CLASSIFICATION OF MATERIALS<br>(Description)<br>d                                                        | % CORE<br>RECOV-<br>ERY<br>e               | BOX OR<br>SAMPLE<br>NO.<br>f | REMARKS<br>(Drilling time, water loss, depth of<br>weathering, etc., if significant)<br>g |  |
| 0.0                                                                                                               | 4.0        |                          | River band                                                                                               |                                            |                              |                                                                                           |  |
| 4.0                                                                                                               | 6.5        |                          | Water                                                                                                    |                                            |                              |                                                                                           |  |
| 6.5                                                                                                               | 8.5        |                          | Tan sand, fine<br>6.5-7.0 no count<br>7.0-7.5 3 blows<br>7.5-8.0 3 blows<br>8.0-8.5 no count             |                                            |                              | Jar 1                                                                                     |  |
| 8.5                                                                                                               | 12.0       |                          | Same as below, washed sample                                                                             |                                            |                              |                                                                                           |  |
| 12.0                                                                                                              | 14.0       |                          | Gray sand, medium<br>12.0-12.5 no count<br>12.5-13.0 5 blows<br>13.0-13.5 10 blows                       |                                            |                              | Jar 2                                                                                     |  |
| 14.0                                                                                                              | 17.0       |                          | Same as above, washed                                                                                    |                                            |                              |                                                                                           |  |
| 17.0                                                                                                              | 20.0       |                          | Gray sand, medium, decayed<br>wood<br>17.0-17.5 no count<br>17.5-18.0 4 blows<br>18.0-18.5 4 blows       |                                            |                              | Jar 3                                                                                     |  |
| 20.0                                                                                                              | 24.5       |                          | Gray sand, trace of gravel<br>and clay layers, washed sample                                             |                                            |                              | Jar 4                                                                                     |  |
| 24.5                                                                                                              | 26.0       |                          | Gray sand, tr gravel<br>24.5-25.0 no count<br>25.0-26.0 3 blows<br>26.0-26.5 4 blows                     |                                            |                              | Jar 5                                                                                     |  |
| 26.0                                                                                                              | 26.5       |                          | Gray sandy clay                                                                                          |                                            |                              | Jar 6                                                                                     |  |
| 26.5                                                                                                              | 28.0       |                          | Same as below, washed                                                                                    |                                            |                              |                                                                                           |  |
| 28.0                                                                                                              | 30.0       |                          | Gray sand, trace of gravel<br>and clay<br>28.0-28.5 no count<br>28.5-29.0 13 blows<br>29.0-29.5 17 blows |                                            |                              | Jar 7                                                                                     |  |
| 30.0                                                                                                              |            |                          | BOTTOMED<br><br>Water depth 2.5                                                                          |                                            |                              |                                                                                           |  |

SWG Form 267(c)

28 Jan 1965

PROJECT: Neches RiverLOCATION: Channel to Evadale

## TEST DATA SUMMARY

BORING NO. 357-19DATE DRILLED 4 Mar 1966

| FIELD NO. | DEPTH                          | CLASSIFICATION<br>ELEVATION TOP BORING _____ | SYMBOL | CONSISTENCY | POCKET (1)<br>PENETROMETER | STAN. PENET.<br>BLOWS/FT (2) | MOISTURE<br>CONTENT % | DRY DENSITY<br>p. c. f. | L.L. | P.L. | BAR<br>L.S. | SIEVE ANALYSIS |      |       |           |                                 |        |        |         |  |
|-----------|--------------------------------|----------------------------------------------|--------|-------------|----------------------------|------------------------------|-----------------------|-------------------------|------|------|-------------|----------------|------|-------|-----------|---------------------------------|--------|--------|---------|--|
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             | PERCENT        |      |       | INIT. WT. | ACC. WT. RTND.<br>SIEVE NO. (3) |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             | GRVL           | SAND | FINES |           | NO. 4                           | NO. 10 | NO. 40 | NO. 200 |  |
|           | 0-4                            |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           | 4-6 <sup>5</sup>               |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
| J-1       | 6 <sup>5</sup> -8 <sup>5</sup> | Brown sand 6.5-26                            | SP     | M           | 6                          | 25.8                         |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
| X         | 8 <sup>5</sup> -12             |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
| J-2       | 12-14                          |                                              |        | D           | 15                         | 21.6                         |                       |                         |      |      | 00          | 0              | 98   | 2     | 50        | 0                               | 0      | 8      | 49      |  |
| X         | 14-17                          |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
| J-3       | 17-20                          |                                              |        | M           | 8                          | 28.8                         |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
| J-4       | 20-24 <sup>5</sup>             |                                              |        |             |                            | 22.2                         |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
| J-5       | 24 <sup>5</sup> -26            |                                              |        | M           | 7                          | 19.7                         |                       |                         |      |      | 00          | 0              | 96   | 4     | 50        | 0                               | 2      | 44     | 48      |  |
| J-6       | 26-26 <sup>5</sup>             | Brown silty sand 26-26.5                     | SM     |             |                            | 19.7                         |                       |                         |      |      | 00          | 2              | 68   | 30    | 50        | 1                               | 3      | 18     | 35      |  |
| X         | 26 <sup>5</sup> -28            | Brown silty sand 28-                         | SP     |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
| J-7       | 28-30                          | 30                                           |        | VD          | 30                         | 18.6                         |                       |                         |      |      | 00          | 0              | 94   | 6     | 50        | 0                               | 1      | 38     | 47      |  |
|           |                                | Height of Bank 4.0                           |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                | Water depth in River 2.5'                    |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      |      |             |                |      |       |           |                                 |        |        |         |  |
|           |                                |                                              |        |             |                            |                              |                       |                         |      | </   |             |                |      |       |           |                                 |        |        |         |  |

KEY: CONSISTENCY -- COHESIVE SOILS

CONSISTENCY -- COHESIONLESS SOILS

VS S H ST VST H VL L H D VD  
 Very Soft Soft Medium Stiff Very Stiff Hard Very Loose Loose Medium Dense Very Dense

(1) Tons/Sq.Ft. Unconfined Compressive Strength

(2) Split Barrel Sampler

(3) Acc. Wt. Rtn'd ÷ Init. Wt. x 100 = % Rtn'd.

BORING NO. 357-19