

| TRIPLE 10'X6' BOX CULVERT                      |                      |                      |                      |   |   |
|------------------------------------------------|----------------------|----------------------|----------------------|---|---|
| BARREL REINFORCEMENT QUANTITIES AND DIMENSIONS |                      |                      |                      |   |   |
| DESIGN                                         | 1                    | 2                    | 3                    | 4 | 5 |
| HEIGHT OF FILL OVER TOP                        | 0' TO 10'            | 10' TO 20'           | 20' TO 30'           |   |   |
| A                                              | 701 AT 12"           | 703 AT 12"           | 705 AT 12"           |   |   |
| B                                              | 2-601 BETWEEN        | 2-704 BETWEEN        | 2-802 BETWEEN        |   |   |
| C                                              | 501 AT 12"           | 602 AT 12"           | 603 AT 12"           |   |   |
| D                                              | 702 AT 12"           | 801 AT 12"           | 901 AT 12"           |   |   |
| E                                              | 401 AT 12"           | 404 AT 12"           | 502 AT 12"           |   |   |
| F                                              | 402 AT 12"           | 405 AT 12"           | 408 AT 12"           |   |   |
| G                                              | 403 AT 12"           | 406 AT 12"           | 409 AT 12"           |   |   |
| J                                              | 78-412               | 78-412               | 78-412               |   |   |
| K                                              | --                   | --                   | 1-410 AT 6" O.C.     |   |   |
| L                                              | --                   | 2-407 AT 6" O.C.     | 3-411 AT 12" O.C.    |   |   |
| X                                              | 33'-4"               | 33'-6"               | 33'-8"               |   |   |
| Y                                              | 7'-7 $\frac{1}{2}$ " | 8'-1"                | 8'-5"                |   |   |
| T <sub>1</sub>                                 | 0'-9 $\frac{3}{4}$ " | 1'-0 $\frac{1}{2}$ " | 1'-2 $\frac{1}{2}$ " |   |   |
| T <sub>2</sub>                                 | 0'-8"                | 0'-9"                | 0'-10"               |   |   |
| CU. YDS. CONCRETE PER FT.                      | 2.774                | 3.390                | 3.855                |   |   |
| LBS. BAR REINF. STEEL PER FT.                  | 409                  | 532                  | 661                  |   |   |

NOTE: THE DESIGN OF CULVERT SHALL BE DETERMINED BY THE MAXIMUM HEIGHT OF FILL WITH ONLY A SINGLE DESIGN BEING USED FOR THE ENTIRE INSTALLATION.

APPROVED \_\_\_\_\_