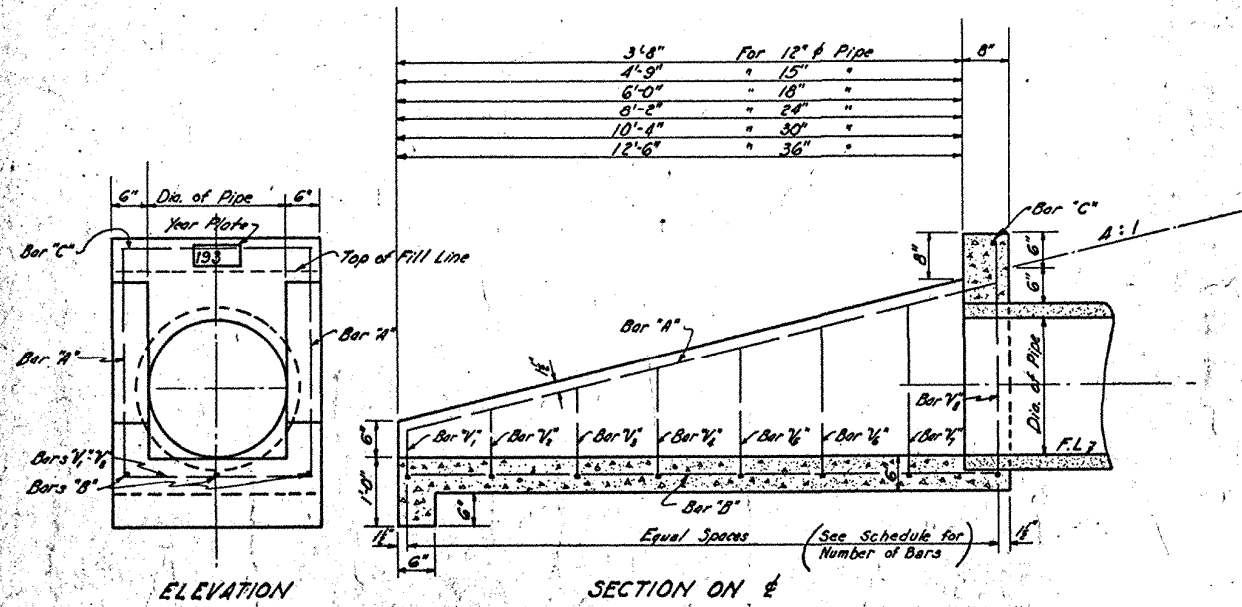
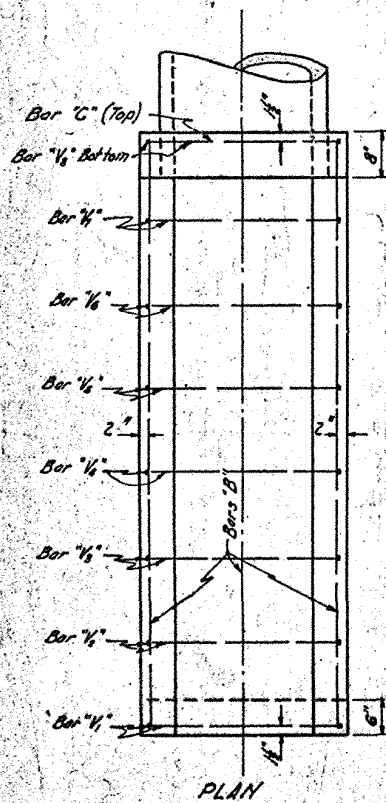
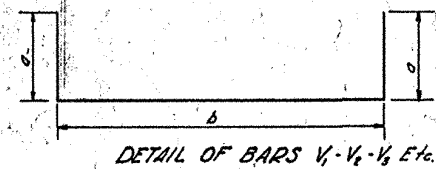




| QUANTITIES FOR (1) HD. WALL |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| Diameter of Pipe            | Cu. Yds. Class "A" Concrete | Pounds Deformed Rein. Steel |
| 12"                         | 0.39                        | 37                          |
| 15"                         | 0.53                        | 47                          |
| 18"                         | 0.71                        | 60                          |
| 24"                         | 1.10                        | 86                          |
| 30"                         | 1.58                        | 116                         |
| 36"                         | 2.14                        | 157                         |



| SCHEDULE OF REINFORCING STEEL FOR ONE (1) HDWL. |     |        |       |                |                |                |                |                |                |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |        |        |        |       |       |       |       |       |       |   |        |        |        |   |       |       |       |   |        |       |       |   |        |       |       |   |         |       |       |   |        |       |       |   |        |
|-------------------------------------------------|-----|--------|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|---|--------|--------|--------|---|-------|-------|-------|---|--------|-------|-------|---|--------|-------|-------|---|---------|-------|-------|---|--------|-------|-------|---|--------|
| Di.                                             | A   | B      | C     | V <sub>1</sub> | V <sub>2</sub> | V <sub>3</sub> | V <sub>4</sub> | V <sub>5</sub> | V <sub>6</sub> | V <sub>7</sub> | V <sub>8</sub> | V <sub>9</sub> | V <sub>10</sub> | V <sub>11</sub> | V <sub>12</sub> | V <sub>13</sub> | V <sub>14</sub> | V <sub>15</sub> | V <sub>16</sub> | V <sub>17</sub> | V <sub>18</sub> | V <sub>19</sub> | V <sub>20</sub> |        |        |        |       |       |       |       |       |       |   |        |        |        |   |       |       |       |   |        |       |       |   |        |       |       |   |         |       |       |   |        |       |       |   |        |
| Pipe                                            | No. | Length | No.   | Length         | No.            | Length         | No.            | Length         | No.            | Length         | No.            | Length         | No.             | Length          | No.             | Length          | No.             | Length          | No.             | Length          | No.             | Length          | No.             | Length |        |        |       |       |       |       |       |       |   |        |        |        |   |       |       |       |   |        |       |       |   |        |       |       |   |         |       |       |   |        |       |       |   |        |
| 12"                                             | 2   | 4'-3"  | 4'-1" | 1              | 7'-9"          | 1              | 7'-10"         | 1              | 3'-5"          | 4'-1"          | 1              | 3'-11"         | 4'-1"           | 1               | 4'-5"           | 2'-1"           | 1               | 6'-4"           |                 |                 |                 |                 |                 |        |        |        |       |       |       |       |       |       |   |        |        |        |   |       |       |       |   |        |       |       |   |        |       |       |   |         |       |       |   |        |       |       |   |        |
| 15"                                             | 2   | 5'-4"  | 3     | 5'-2"          | 1              | 2'-0"          | 7'-2"          | 1              | 3'-2"          | 1              | 3'-2"          | 1              | 3'-2"           | 1               | 4'-2"           | 4'-2"           | 1               | 4'-8"           | 7'-2"           | 1               | 5'-2"           | 2'-5"           | 2'-0"           | 1      | 6'-10" |        |       |       |       |       |       |       |   |        |        |        |   |       |       |       |   |        |       |       |   |        |       |       |   |         |       |       |   |        |       |       |   |        |
| 18"                                             | 2   | 6'-4"  | 3     | 6'-5"          | 1              | 2'-3"          | 7'-2"          | 1              | 3'-5"          | 1              | 3'-11"         | 4'-1"          | 1               | 4'-5"           | 1               | 4'-11"          | 4'-1"           | 1               | 5'-5"           | 1               | 5'-10"          | 2'-3"           | 1               | 7'-9"  |        |        |       |       |       |       |       |       |   |        |        |        |   |       |       |       |   |        |       |       |   |        |       |       |   |         |       |       |   |        |       |       |   |        |
| 24"                                             | 2   | 8'-10" | 3     | 8'-7"          | 1              | 2'-9"          | 7'-2"          | 1              | 3'-11"         | 1              | 4'-5"          | 4'-1"          | 1               | 4'-11"          | 4'-1"           | 1               | 5'-5"           | 1               | 5'-10"          | 2'-3"           | 1               | 7'-11"          | 2'-5"           | 2'-9"  | 1      | 9'-3"  |       |       |       |       |       |       |   |        |        |        |   |       |       |       |   |        |       |       |   |        |       |       |   |         |       |       |   |        |       |       |   |        |
| 30"                                             | 2   | 11'-4" | 3     | 10'-9"         | 1              | 3'-3"          | 7'-3"          | 1              | 4'-5"          | 1              | 4'-11"         | 4'-1"          | 1               | 5'-5"           | 1               | 5'-10"          | 2'-3"           | 1               | 6'-1"           | 1               | 7'-1"           | 2'-2"           | 2'-5"           | 1      | 7'-7"  | 2'-5"  | 2'-9" | 1     | 9'-3" |       |       |       |   |        |        |        |   |       |       |       |   |        |       |       |   |        |       |       |   |         |       |       |   |        |       |       |   |        |
| 36"                                             | 2   | 13'-3" | 3     | 12'-11"        | 1              | 3'-9"          | 7'-5"          | 1              | 4'-11"         | 1              | 5'-5"          | 4'-1"          | 1               | 5'-11"          | 4'-1"           | 1               | 6'-5"           | 1               | 6'-11"          | 2'-3"           | 1               | 7'-3"           | 2'-1"           | 2'-5"  | 1      | 7'-11" | 2'-4" | 2'-9" | 1     | 8'-5" | 2'-7" | 2'-9" | 1 | 9'-11" | 2'-10" | 2'-10" | 1 | 9'-5" | 3'-1" | 3'-9" | 1 | 9'-11" | 2'-8" | 2'-9" | 1 | 10'-5" | 3'-7" | 3'-9" | 1 | 10'-11" | 4'-5" | 4'-9" | 1 | 11'-0" | 4'-5" | 4'-9" | 1 | 12'-7" |

NOTE: All Reinforcing Bars  $\frac{1}{2}$ " R. Deformed.

Discard  
P.P.H. (12-2-61)

GENERAL NOTES:  
Construction Specs. latest Approved La. Hwy. Dept. Std. Specs.  
All Concrete to be Class "A"  
All exposed Corners to have a  $\frac{3}{8}$ " Chamfer.  
For Year Plate see Std. Plan C-14-37.

# STANDARD PLAN U-TYPE HEADWALL FOR PIPE CULVERT For Fill on Slope of 4:1

LOUISIANA HIGHWAY COMMISSION  
BATON ROUGE, LA. May, 1936

|                   |             |                            |                      |                  |
|-------------------|-------------|----------------------------|----------------------|------------------|
| DESIGNED          | BY          | CHECKED                    | BY                   | IN CHARGE OF     |
| Gen. Notes & etc. |             | Checked G. A. Heister, Jr. | Checked E. G. R. Jr. | Charles A. Meyer |
| DATE              | DESCRIPTION | REVISIONS                  |                      |                  |