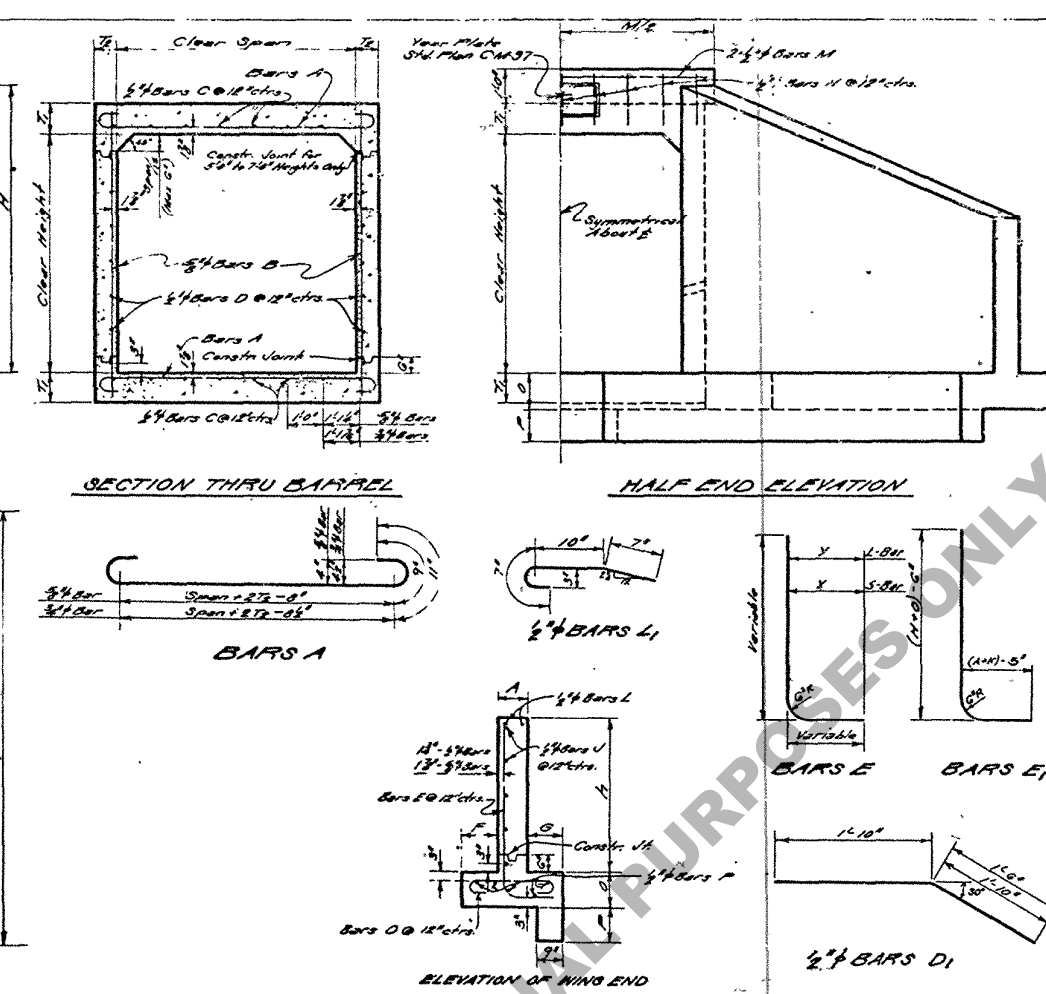
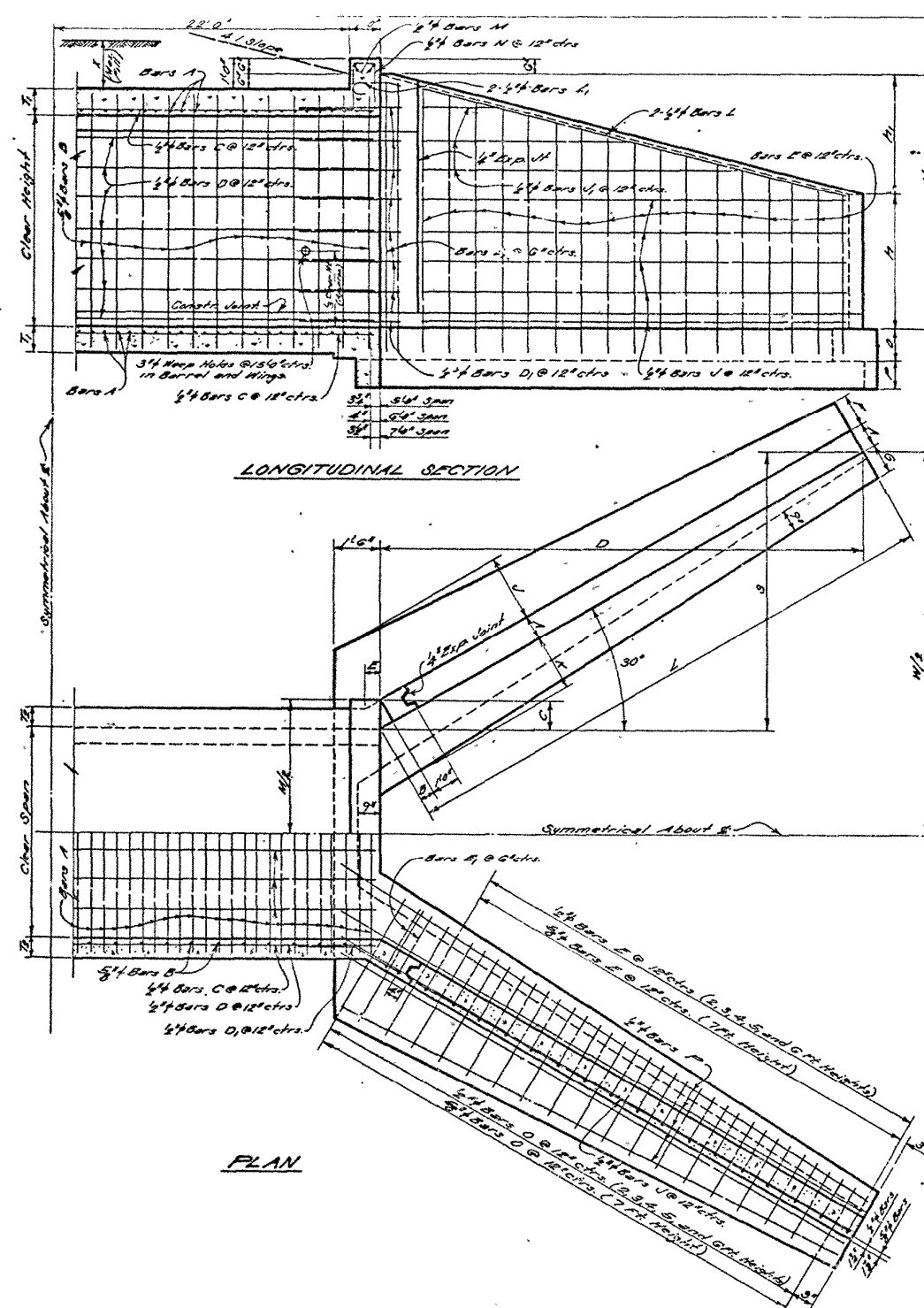
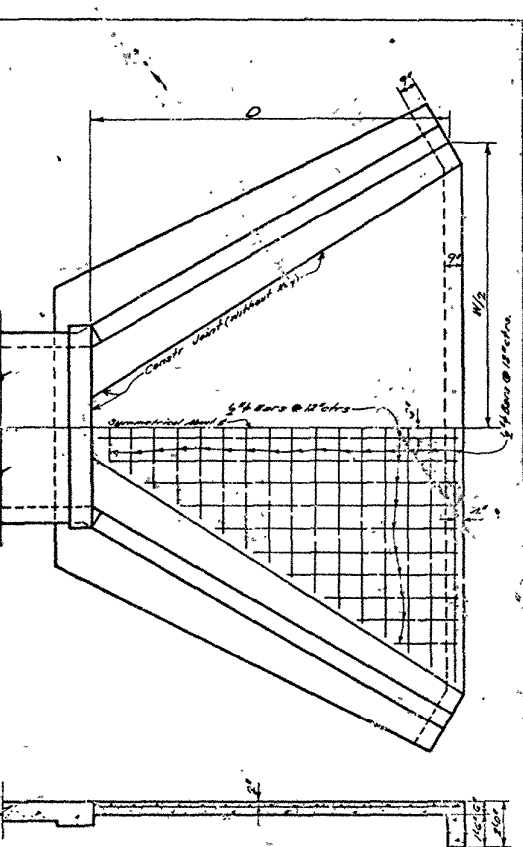




| OPENINGS   |              | ADDITIONAL QUANTITIES IF APRONS USED |               |               |               |               |               |               |               |               |               |
|------------|--------------|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| CLEAR SPAN | CLEAR HEIGHT | NO. OF APRONS                        | NO. OF APRONS | NO. OF APRONS | NO. OF APRONS | NO. OF APRONS | NO. OF APRONS | NO. OF APRONS | NO. OF APRONS | NO. OF APRONS | NO. OF APRONS |
| 2          | 2.75         | 109                                  | 150           | 148           | 109           |               |               |               |               |               |               |
| 3          | 3.75         | 160                                  | 158           | 212           | 160           |               |               |               |               |               |               |
| 4          | 4.75         | 212                                  | 182           | 284           | 212           |               |               |               |               |               |               |
| 5          | 5.75         | 264                                  | 170           | 415           | 264           |               |               |               |               |               |               |
| 6          | 6.75         | 317                                  | 168           | 546           | 317           |               |               |               |               |               |               |
| 7          | 7.75         | 369                                  | 177           | 677           | 369           |               |               |               |               |               |               |
| 8          | 8.75         | 421                                  | 186           | 808           | 421           |               |               |               |               |               |               |
| 9          | 9.75         | 473                                  | 194           | 939           | 473           |               |               |               |               |               |               |
| 10         | 10.75        | 525                                  | 202           | 1070          | 525           |               |               |               |               |               |               |
| 11         | 11.75        | 577                                  | 210           | 1201          | 577           |               |               |               |               |               |               |
| 12         | 12.75        | 629                                  | 218           | 1332          | 629           |               |               |               |               |               |               |
| 13         | 13.75        | 681                                  | 226           | 1463          | 681           |               |               |               |               |               |               |
| 14         | 14.75        | 733                                  | 234           | 1594          | 733           |               |               |               |               |               |               |
| 15         | 15.75        | 785                                  | 242           | 1725          | 785           |               |               |               |               |               |               |
| 16         | 16.75        | 837                                  | 250           | 1856          | 837           |               |               |               |               |               |               |
| 17         | 17.75        | 889                                  | 258           | 1987          | 889           |               |               |               |               |               |               |
| 18         | 18.75        | 941                                  | 266           | 2118          | 941           |               |               |               |               |               |               |
| 19         | 19.75        | 993                                  | 274           | 2249          | 993           |               |               |               |               |               |               |
| 20         | 20.75        | 1045                                 | 282           | 2380          | 1045          |               |               |               |               |               |               |



| OPENINGS   |              | DIMENSIONS |       |                |                |                 |          |          |           |          |                |     |       |        |       |           |         |         |         |         |         | QUANTITIES |         |         |          | OPENINGS            |          |                   |          |              |            |
|------------|--------------|------------|-------|----------------|----------------|-----------------|----------|----------|-----------|----------|----------------|-----|-------|--------|-------|-----------|---------|---------|---------|---------|---------|------------|---------|---------|----------|---------------------|----------|-------------------|----------|--------------|------------|
| CLEAR SPAN | CLEAR HEIGHT | AREA       | X     | BARREL         |                | WINGS AND CURBS |          |          |           |          |                |     |       |        |       |           |         |         |         |         |         |            |         |         |          | PER LIN. FT. BARREL |          | FOR 44'0" CULVERT |          | CLEAR HEIGHT | CLEAR SPAN |
|            |              |            |       | T <sub>1</sub> | T <sub>2</sub> | H               | D        | S        | L         | H        | H <sub>1</sub> | A   | B     | C      | E     | N         | M       | F       | G       | J       | K       | O          | P       | STEEL   | CONCRETE | STEEL               | CONCRETE |                   |          |              |            |
| FEET       | FEET         | SQ. FT.    | FEET  | IN.            | IN.            | FT. IN.         | FT. IN.  | FT. IN.  | FT. IN.   | FT. IN.  | FT. IN.        | IN. | IN.   | IN.    | IN.   | FT. IN.   | FT. IN. | FT. IN. | FT. IN. | FT. IN. | FT. IN. | FT. IN.    | FT. IN. | FT. IN. | FT. IN.  | LBS.                | CU. YDS. | LBS.              | CU. YDS. | FEET         | FEET       |
| 5          | 2            | 10         | 24.99 | 9              | 6 1/2          | 3-3             | 6-0 1/2  | 5-5 1/2  | 6-1 1/2   | 1-8 1/2  | 1-0 1/2        | 8   | 4 1/2 | 9 1/2  | 4 1/2 | 11-1 1/2  | 0-6 1/2 | 0-7     | 0-9     | 0-7     | 0-9     | 0-9        | 1-3     | 57.97   | 0.4880   | 3067                | 24.78    | 2                 | 5        |              |            |
|            | 3            | 15         | 24.32 | 9              | 6 1/2          | 4-3             | 7-0 1/2  | 4-0 1/2  | 9-1 1/2   | 2-3 1/2  | 1-1 1/2        | 8   | 4 1/2 | 9 1/2  | 4 1/2 | 14-1 1/2  | 0-6 1/2 | 0-7     | 0-9     | 0-11    | 0-11    | 0-9        | 1-3     | 62.09   | 0.4648   | 3398                | 28.92    | 3                 |          |              |            |
|            | 4            | 20         | 24.30 | 9              | 6 1/2          | 5-3             | 9-9      | 5-7 1/2  | 11-3      | 2-9 1/2  | 2-5 1/2        | 8   | 4 1/2 | 9 1/2  | 4 1/2 | 16-3      | 0-6 1/2 | 0-7     | 0-9     | 1-3     | 1-2     | 0-9        | 1-3     | 66.22   | 0.5049   | 3752                | 33.54    | 4                 |          |              |            |
|            | 5            | 25         | 24.80 | 9              | 6 1/2          | 6-3             | 11-7 1/2 | 6-8 1/2  | 13-4 1/2  | 3-4 1/2  | 2-10 1/2       | 10  | 5 1/2 | 11 1/2 | 8 1/2 | 18-3 1/2  | 0-9     | 0-9     | 1-7     | 1-5     | 1-5     | 1-9        | 70.39   | 0.5450  | 4155     | 41.93               | 5        |                   |          |              |            |
| 6          | 3            | 18         | 20.63 | 9 1/2          | 7              | 4-3 1/2         | 7-11 1/2 | 4-7 1/2  | 9-2 1/2   | 2-3 1/2  | 1-1 1/2        | 8   | 4 1/2 | 9 1/2  | 3 1/2 | 15-2 1/2  | 7-6 1/2 | 0-7     | 0-9     | 0-11    | 0-11    | 0-9        | 1-3     | 78.72   | 0.5592   | 4073                | 33.51    | 3                 | 6        |              |            |
|            | 4            | 24         | 20.38 | 9 1/2          | 7              | 5-3 1/2         | 9-9 1/2  | 5-8      | 11-4      | 2-10     | 2-5 1/2        | 8   | 4 1/2 | 9 1/2  | 3 1/2 | 17-4      | 7-6 1/2 | 0-7     | 0-9     | 1-3     | 1-2     | 0-9        | 1-3     | 81.19   | 0.6024   | 4444                | 38.27    | 4                 |          |              |            |
|            | 5            | 30         | 20.25 | 9 1/2          | 7              | 6-3 1/2         | 11-8 1/2 | 6-8 1/2  | 13-5 1/2  | 3-4 1/2  | 2-11           | 10  | 5 1/2 | 11 1/2 | 7 1/2 | 19-5 1/2  | 7-11    | 0-9     | 0-9     | 1-7     | 1-5     | 1-5        | 1-9     | 85.65   | 0.6456   | 4869                | 46.95    | 5                 |          |              |            |
|            | 6            | 36         | 20.17 | 9 1/2          | 7              | 7-3 1/2         | 13-6 1/2 | 7-9 1/2  | 15-7 1/2  | 3-10 1/2 | 3-4 1/2        | 10  | 5 1/2 | 11 1/2 | 7 1/2 | 21-7 1/2  | 7-11    | 0-9     | 0-9     | 1-7     | 1-5     | 1-5        | 1-9     | 90.12   | 0.6888   | 5294                | 53.91    | 6                 |          |              |            |
| 7          | 4            | 28         | 19.36 | 10 1/2         | 8              | 5-4 1/2         | 9-11 1/2 | 5-9 1/2  | 11-6 1/2  | 2-10 1/2 | 2-6            | 8   | 4 1/2 | 9 1/2  | 2 1/2 | 18-6 1/2  | 8-6 1/2 | 0-7     | 0-9     | 1-3     | 1-2     | 0-9        | 1-3     | 77.78   | 0.7069   | 5255                | 45.24    | 4                 | 7        |              |            |
|            | 5            | 35         | 19.23 | 10 1/2         | 8              | 6-4 1/2         | 11-10    | 6-10     | 13-8      | 3-5      | 2-11 1/2       | 10  | 5 1/2 | 11 1/2 | 6     | 20-8      | 8-11    | 0-9     | 0-9     | 1-7     | 1-5     | 1-5        | 1-9     | 101.62  | 0.7463   | 5665                | 54.28    | 5                 |          |              |            |
|            | 6            | 42         | 18.17 | 10 1/2         | 8              | 7-4 1/2         | 13-8 1/2 | 7-10 1/2 | 15-9 1/2  | 3-11 1/2 | 3-5            | 10  | 5 1/2 | 11 1/2 | 6     | 22-8 1/2  | 8-11    | 0-11    | 0-11    | 1-7     | 1-5     | 1-5        | 1-9     | 105.46  | 0.8457   | 6086                | 61.57    | 6                 |          |              |            |
|            | 7            | 49         | 18.10 | 10 1/2         | 8              | 8-4 1/2         | 15-6 1/2 | 8-11 1/2 | 17-11 1/2 | 4-5 1/2  | 3-10 1/2       | 10  | 5 1/2 | 11 1/2 | 6     | 24-11 1/2 | 8-11    | 1-1     | 1-1     | 2-2     | 1-10    | 1-10       | 1-10    | 109.30  | 0.8951   | 6506                | 69.42    | 7                 |          |              |            |

| OPENINGS   |              |        |    | BILL OF STEEL FOR 44'0" CULVERT |  |     |    |            |  |     |    |      |  |            |    |                               |  |     |    |            |  |     |    |      |  |             |    | OPENINGS |  |     |    |        |  |     |    |      |  |            |    |      |  |     |    |            |  |     |    |      |  |            |    |      |  |     |    |            |  |     |    |      |  |            |    |      |  |     |    |            |  |     |    |      |  |        |    |      |  |     |    |            |  |     |    |      |  |              |            |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |
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|            |              |        |    | BARREL REINFORCEMENT            |  |     |    |            |  |     |    |      |  |            |    | WINGS AND CURBS REINFORCEMENT |  |     |    |            |  |     |    |      |  |             |    |          |  |     |    |        |  |     |    |      |  |            |    |      |  |     |    |            |  |     |    |      |  |            |    |      |  |     |    |            |  |     |    |      |  |            |    |      |  |     |    |            |  |     |    |      |  |        |    |      |  |     |    |            |  |     |    |      |  |              |            |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |
| CLEAR SPAN | CLEAR HEIGHT | BARS A |    |                                 |  |     |    | 3/4 BARS B |  |     |    |      |  | 3/4 BARS C |    |                               |  |     |    | 3/4 BARS D |  |     |    |      |  | 3/4 BARS D1 |    |          |  |     |    | BARS E |  |     |    |      |  | 3/4 BARS U |    |      |  |     |    | 3/4 BARS V |  |     |    |      |  | 3/4 BARS L |    |      |  |     |    | 3/4 BARS R |  |     |    |      |  | 3/4 BARS M |    |      |  |     |    | 3/4 BARS N |  |     |    |      |  | BARS O |    |      |  |     |    | 3/4 BARS P |  |     |    |      |  | CLEAR HEIGHT | CLEAR SPAN |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |    |      |  |     |
|            |              | SIZE   | NO | LGTH                            |  | SQC | NO | LGTH       |  | SQC | NO | LGTH |  | SQC        | NO | LGTH                          |  | SQC | NO | LGTH       |  | SQC | NO | LGTH |  | SQC         | NO | LGTH     |  | SQC | NO | LGTH   |  | SQC | NO | LGTH |  | SQC        | NO | LGTH |  | SQC | NO | LGTH       |  | SQC | NO | LGTH |  | SQC        | NO | LGTH |  | SQC | NO | LGTH       |  | SQC | NO | LGTH |  | SQC        | NO | LGTH |  | SQC | NO | LGTH       |  | SQC | NO | LGTH |  | SQC    | NO | LGTH |  | SQC | NO | LGTH       |  | SQC | NO | LGTH |  |              |            | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC | NO | LGTH |  | SQC |

**GENERAL NOTES:**

Construction Specifications: Latest Approved L.A. Dept. of Highways.

Standard Specifications: A.H.S.O., 1953, as amended to Dec. 31, 1955.

Design Specifications: A.H.S.O., 1953, as amended to Dec. 31, 1955.

Live Load: HS-20, 16-44 (Modified).

All concrete to be Class A.

All exposed corners to be chamfered 3" unless otherwise noted.

Reinforcement shall be Intermediate or Hard Grade, A.S.T.M. A15, or Rail Steel, A.S.T.M. A16 conforming to A.S.T.M. A305.

Dimensions relating to Reinforcing Steel are to bar centers.

Figures & Curves of large size shall be placed behind and around each apron.

When culvert is located at a site subject to scour, the toe walls shall be made heavier or placed around face of the walls to prevent scour.

Construction details shall be as shown on drawings.

**STANDARD PLAN**

**REINFORCED CONCRETE BOX CULVERTS**

5 FT. TO 7 FT. CLEAR SPAN

2 FT. TO 7 FT. CLEAR HEIGHT

4:1 SLOPE

DATED: APRIL 1945

STATE OF LOUISIANA

DEPARTMENT OF HIGHWAYS

DESIGNED: HURY

CHECKED: HURY

TRACED: HURY

FRIDGE DESIGN SECTION