PLAN OF GRATE NO.1

NOTE: FOR OTHER GRATE DETAILS SEE SHEET IG-2.

SECTION B-B (FRAME)

SECTION C-C (FRAME)

SECTION C-C

SECTION B-B

GUTTER FOR TYPE 2 CURB

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

STATE PROJECT NO.
MISS.

STATE PROJECT NO.
MISS.

STATE PROJECT NO.
MISS.

GUTTER INLET FOR TYPE 2 CURB
(OUTLET 90° TO ROADWAY)

QUANTITIES

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MIN. BARS TO F.L.</th>
<th>MIN. DEPTH INLET</th>
<th>PIPE OPENING DEDUCTION (yd²)</th>
<th>T</th>
<th>BARS &quot;A&quot;</th>
<th>BARS &quot;B&quot;</th>
<th>BARS &quot;C&quot;</th>
<th>BARS &quot;D&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot;</td>
<td>2.709</td>
<td>6.163</td>
<td>55</td>
<td>6.905</td>
<td>2 @ 4-1/2&quot;</td>
<td>4 @ 3-1/2&quot;</td>
<td>18 @ 3-1/2&quot;</td>
<td>18 @ 2-1/2&quot;</td>
</tr>
<tr>
<td>24&quot;</td>
<td>3.258</td>
<td>6.202</td>
<td>57</td>
<td>6.991</td>
<td>2 @ 4-1/2&quot;</td>
<td>4 @ 3-1/2&quot;</td>
<td>18 @ 3-1/2&quot;</td>
<td>18 @ 2-1/2&quot;</td>
</tr>
<tr>
<td>22&quot; x 12&quot;</td>
<td>2.323</td>
<td>6.666</td>
<td>48</td>
<td>6.803</td>
<td>2 @ 4-1/2&quot;</td>
<td>4 @ 3-1/2&quot;</td>
<td>18 @ 3-1/2&quot;</td>
<td>18 @ 2-1/2&quot;</td>
</tr>
</tbody>
</table>

NOTES:
1. ONE 10" PIPE OPENING HAS BEEN DEDUCTED FROM THE STRUCTURE.
2. FOR EACH ADDITIONAL FOOT OF INLET HEIGHT, ADD 0.238 yd³/ft³ CLASS "B" CONCRETE AND 13 lbs. REINFORCING STEEL.
3. 3 BARS "C" AND 2 BARS "D" REQUIRED FOR EACH ADDITIONAL FOOT OF INLET HEIGHT. LENGTH OF BARS "A" AND BARS "B" WILL BE INCREASED ACCORDING TO ADDITIONAL HEIGHT.
4. WEIGHT OF FRAME CASTING 3' CARD. WEIGHT OF GRATE "B" SEE SHEET IG-2.

BAR DETAILS

GENERAL NOTES:
1. QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
2. CONCRETE SHALL BE CLASS "B" CONCRETE AND REINFORCING STEEL SHALL BE DEFORMED BARS.
3. CONTRACTOR HAS THE OPTION TO PROVIDE GRATE NO. 1 OR GRATE NO. 2 AS SHOWN ON SHEET IG-2.
4. FRAME TO BE GRAY IRON CASTING (YARD: M 380, CLASS 38B).