LOCATION SKETCH

PROFILE ALONG CULVERT

TOTAL STRUCTURE QUANTITIES

<table>
<thead>
<tr>
<th>CLASS</th>
<th>A CONCRETE</th>
<th>C.Y.</th>
<th>C.Y.</th>
<th>TOTAL</th>
<th>C.Y.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENTERED STEEL</td>
<td>BARREL</td>
<td>LBS.</td>
<td>1%</td>
<td>LBS.</td>
<td>1.0%</td>
</tr>
<tr>
<td>WINGS ETC.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CENTERED CONCRETE</td>
<td>EMBL.</td>
<td>LBS.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PROJECT NO. __________________________
COUNTY __________________________

STATION: __________________________

DEPARTMENT OF TRANSPORTATION

Barrel Standard

Single ft. x ft. Concrete Box Culvert

135° Skew

LESS THAN 8'

SHEET NO. CB135_1L

NOTES

ASSUMED LIVE LOAD -------- HL-93 OR ALTERNATE LOADING.

DESIGN FILL ---------------

FOR OTHER DESIGN DATA AND NOTES SEE STANDARD NOTE SHEET.

CONCRETE IN CULVERTS TO BE Poured IN THE FOLLOWING ORDER:

1. Wing Footings and Floor Slab Including 4" OF ALL VERTICAL WALLS.

2. The Remaining Portions of the Walls and Floors Fully Grouted in Proper Sequence and Reentrant.

3. The Design Engineer may use the Length of Centerline of the Culvert as necessary to determine that it will properly take care of the fill.

4. The Barrel Standard may be used only on centerline of 35° skew and to be used with standard wing sheet with the same skew and vertical clearance.

5. Engineering for wing layout as well as additional reinforcing steel developed in barrel are shown on wing sheet.

6. Transverse construction joints shall be used in the barrel spaced to allow the proper use of rebar. Location of joints shall be subject to approval of the engineer.

7. As the contractor's option, he may splice the vertical reinforcing steel in the interior face of interior wall show lower wall construction using the splice length chart as provided in the standard design manual. Splicing of the vertical reinforcement due to the special skew.

8. As the contractor's option, he may submit to the engineer for approval, design and detail drawings for a precast reinforced concrete box culvert as laid out in the plans. The design shall include the size and number of barrel as well as the location of joints for the precast box culvert. See special provisions.

9. If the barrel standard is to be used only on centerline of 35° skew and to be used with standard wing sheet with the same skew and vertical clearance.

10. CONCRETE BOX CULVERT DESIGN AND DETAIL DRAWINGS FOR A PRECAST REINFORCED CONCRETE BOX CULVERT, SEE SPECIAL PROVISIONS.

11. Redesign of existing structure.

12. Removal of existing structure.