LOCATION SKETCH

PROFILE ALONG & CULVERT

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 wings full height followed by roof slabs and headwalls.

THE RESIDENT ENGINEER SHALL CHECK THE LENGTH OF CULVERT BEFORE STAKING IT OUT TO MAKE CERTAIN IT WILL PROPERLY TAKE CARE OF THE FILL.

Concrete in culverts to be used with standard wing sheet with the same skew and vertical clearance.

Dimensions for wing layers as well as additional reinforcing steel embedded in barrel are shown on wing sheet.

Transverse construction joints shall be used in the barrel spaced to limit the pours to a maximum of 70 ft. Location of joints shall be subject to approval of the engineer.

Steel in the bottom slab may be spliced at the permitted construction joint at the contractor's option. Extra length of steel due to the splices shall be paid for by the contractor.

If the contractor is operating a prefabricated concrete plant, the reinforcing steel may be spliced in the shop. Splices shall be extended on both sides of the shop as needed to accommodate the reinforcing steel shown in the transverse dimension of steel due to the splices shall be paid for by the contractor.

At the contractor's option, he may submit, to the engineer for approval, design and detail drawings for a precast reinforced concrete box culvert in lieu of the cast-in-place culvert shown on the plans. The design shall be subject to approval of the engineer, and the contractor shall provide the necessary specifications for optional precast reinforced concrete box culvert, see special provisions.

TOTAL STRUCTURE QUANTITIES

<table>
<thead>
<tr>
<th>Class</th>
<th>Concrete</th>
<th>Barrel &amp; Wings etc.</th>
<th>Total</th>
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<tbody>
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<td>C.Y.</td>
<td>C.Y.</td>
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<td>Reinf. Steel</td>
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<td>C.Y.</td>
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<td></td>
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<td>Total</td>
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</tbody>
</table>

PROJECT NO.                       COUNTY
STATION:                       SHEET 1 OF 3

DEPARTMENT OF TRANSPORTATION
BARREL STANDARD
DOUBLE FT. X FT.
CONCRETE BOX CULVERT
105° SKEW