LOCATION SKETCH

NOTES

ASSUMED LIVE LOAD ----------HS20-44 OR ALTERNATE LOADING.
DESIGN FAIL

FOR OTHER DESIGN DATA AND NOTES SEE STANDARD NOTE SHEET.

1. PIPE PUFFING AND PIPE SLAB INCLUDING 6" OF ALL VERTICAL WALLS.
2. THE REMAINING PORTIONS OF THE WALLS AND PIPE SLAB TO BE PULLED UP WITH DIRT. THE RESIDENT ENGINEER SHALL CHECK THE LENGTH OF PIPE UNTIL THE END OF THE PIPE TO MAKE CERTAIN THAT IT WILL PROPERLY TAKE CARE OF THE FILL.

SHEETS SHOWN STANDARD TO BE USED ONLY ON PIPE ON PIPE AND TO BE USED WITH STANDARD BARS SHEET WITH THE SAME SKEW AND VERTICAL CLEARANCE.

COMMENTS FOR PIPE LAYOUT AS WELL AS ADDITIONAL REINFORCING STEEL EMBEDDED IN BARREL AND SHOWN ON WING SHEET.

REINFORCING CONSTRUCTION JOINTS SHALL BE USED IN THE BARREL, SPACED TO LIMIT THE PURSES 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 WEIGHT OF STEEL DUE TO THE SPlices SHALL BE PAID FOR BY THE CONTRACTOR.

AT THE CONTRACTOR'S OPTION, HE MAY SUBMIT FOR APPRAISAL, 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 PROVIDE THE SAME SIZE AND NUMBER OF BARRELS AS SHOWN ON THE CAST-IN-PLACE DESIGN. FOR OPTIONAL PRECAST REINFORCED CONCRETE BOX CULVERT, SEE SPECIAL PROVISION.

TOTAL STRUCTURE QUANTITIES

<table>
<thead>
<tr>
<th>CLASS &amp; CONCRETE</th>
<th>BARREL @ 1林/FT</th>
<th>CY.</th>
<th>WINGS ETC. @ 1林/FT</th>
<th>CY.</th>
<th>TOTAL</th>
<th>CY.</th>
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</table>

REINFORCING STEEL

<table>
<thead>
<tr>
<th>BAR TYPE</th>
<th>LBS.</th>
<th>CY.</th>
</tr>
</thead>
</table>

PROJECT NO. - COUNTY - STATION -

DEPARTMENT OF TRANSPORTATION

BARREL STANDARD

QUADRUPLE FT X FT

CONCRETE BOX CULVERT

15° SKEW

PROFILE ALONG C CULVERT

LOCATION SKETCH

BAR DIMENSIONS ARE OUT TO OUT

SHEET NO. 1 OF 2

STATE OF NORTH CAROLINA

RALEIGH

DEPARTMENT OF TRANSPORTATION

F.A., PROJECT NO. MAA/THC

CHECKED BY: ARB

DRAWN BY: RWW

REV. 6/19

SIGNATURES COMPLETED FINAL UNLESS ALL DOCUMENT NOT CONSIDERED
CULVERT SECTION NORMAL TO ROADWAY

END ELEVATION NORMAL TO SKEW

PART PLAN - ROOF SLAB

PART PLAN - FLOOR SLAB

CONNECTION OF WING FOOTING AND FLOOR SLAB WHEN SLAB IS THICKER THAN FOOTING

SKIEN TRIANGLE

DEPARTMENT OF TRANSPORTATION
BARREL STANDARD
QUADRUPLICATE FT, X FT.
CONCRETE BOX CULVERT
15° SKEW

STO NO. DBT54