LOCATION SKETCH

NOTES

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

FOR OTHER DESIGN DATA AND NOTES SEE STANDARD NOTE SHEET.

CONCRETE IN CULVERTS TO BE Poured IN THE FOLLOWING ORDER:

1. FOOTINGS AND FLOOR SLAB INCLUDING 4" OF ALL VERTICAL WALLS.
2. THE REMAINING PORTIONS OF THE WALLS AND WINGS FILL DESIGN FOLLOWED BY RAMP SLAB AND FLOOR SLAB.

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

THE CULVERT STANDARD TO BE USED ONLY ON CULVERT ON 45° SKEW AND TO BE USED ONLY ON STANDARDS SHEET WITH THE SAME SKEW AND VERTICAL CLEARANCE.

REINFORCING STEEL OR ADDITIONAL REINFORCING STEEL EMERGED IN WALL 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. STEEL IN REINFORCING STEEL DUE TO VERTICAL REINFORCING STEEL JOINTS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

THE CULVERT STANDARD TO BE USED ONLY ON CULVERT ON 45° SKEW AND TO BE USED ONLY ON STANDARDS SHEET WITH THE SAME SKEW AND VERTICAL CLEARANCE.

TOTAL STRUCTURE QUANTITIES

<table>
<thead>
<tr>
<th>CLASS</th>
<th>CONCRETE</th>
<th>BARREL @</th>
<th>WINGS ETC.</th>
<th>TOTAL</th>
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REMOVAL OF EXISTING STRUCTURE:

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<td>TONS</td>
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STATE OF NORTH CAROLINA
RALEIGH

DEPARTMENT OF TRANSPORTATION
PROJECT NO.

BARREL STANDARD
TRIPLE FT. X FT.
CONCRETE BOX CULVERT
45° SKEW
LESS THAN 8FT

STATION: -
COUNTY: -
PROJECT NO. -

SIGNATURES COMPLETED -
FINAL UNLESS ALL DOCUMENTS NOT CONSIDERED

CHECKED BY: ARB
DRAWN BY: BMM
ASSEMBLED BY: MAA/THC
DATE: 10/89
DATE: 11/90
REV.: 6/19

REV. 6/19

PROFILE ALONG CULVERT

LOCATION SKETCH

PROJECT NO. -
COUNTY: -
STATION: -
PROJECT NO.

BARREL STANDARD
TRIPLE FT. X FT.
CONCRETE BOX CULVERT
45° SKEW
LESS THAN 8FT

STO. NO. 0B45-3L
CULVERT SECTION NORMAL TO ROADWAY

END ELEVATION NORMAL TO SKEW

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

PART PLAN - ROOF SLAB
PART PLAN - FLOOR SLAB

SKEW TRIANGLE