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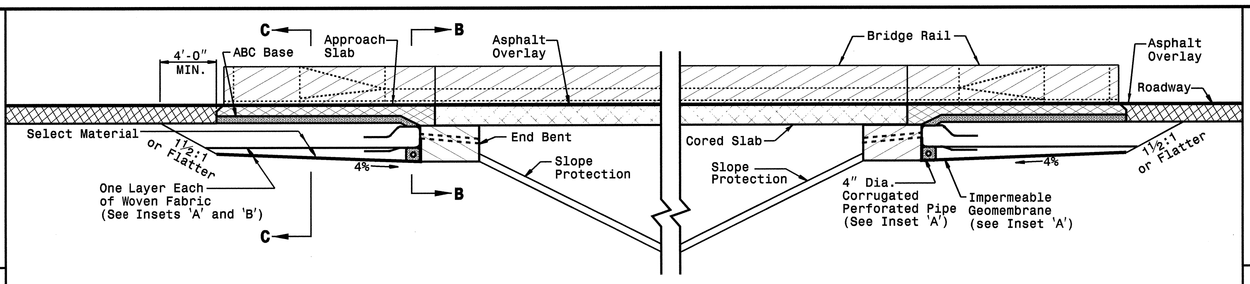
5/14/99

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

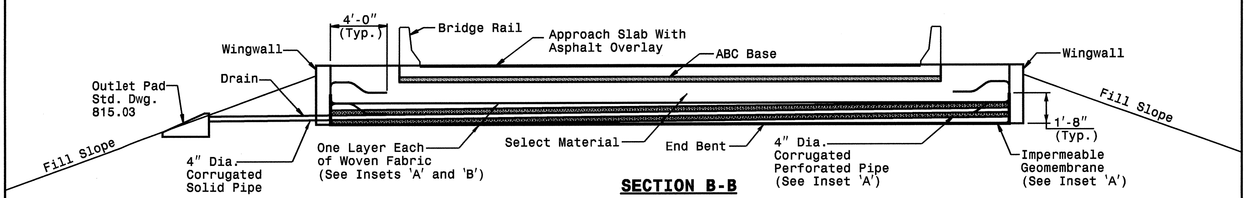
ENGLISH DETAIL DRAWING FOR

# REINFORCED BRIDGE APPROACH FILLS

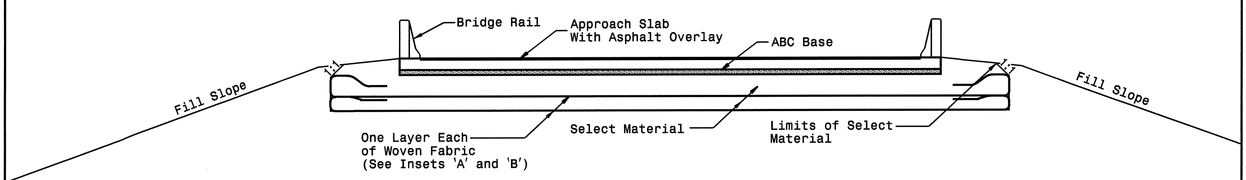
CORED SLAB BRIDGES




## SECTION A-A




## SECTION B-B




## SECTION C-C

SHEET 3 OF 4

422D10

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
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RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR

REINFORCED BRIDGE APPROACH FILLS

CORED SLAB BRIDGES

SHEET 3 OF 4

422D10

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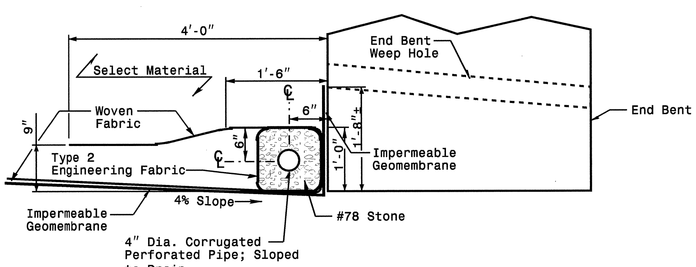
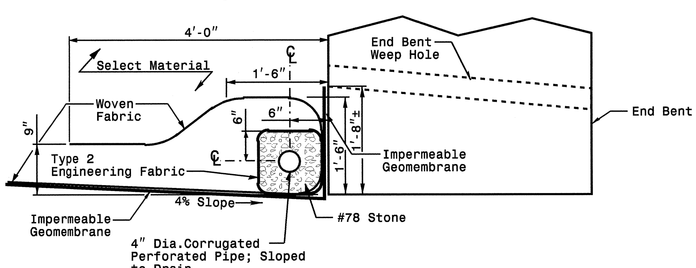
ENGLISH DETAIL DRAWING FOR

REINFORCED BRIDGE APPROACH FILLS

INSETS AND CHARTS

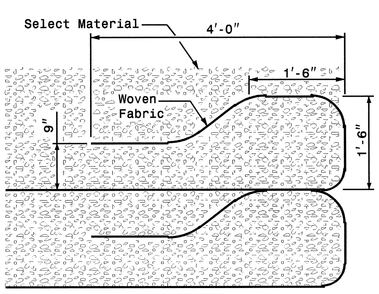



**Cored Slab Bridge**
Showing First Lift and Drains




**Girder Bridge**
Showing First Lift and Drains

## Inset 'A'




**Typical Fabric Lift and Wrap**
Showing Second and Above Lifts

## Inset 'B'

| Height of Backwall | Number of Fabric Layers |
|---|---|
| 4'-6" - 5'-9" | 3 |
| 5'-10" - 7'-2" | 4 |
| 7'-3" - 8'-8" | 5 |
| 8'-9" - 10'-1" | 6 |
| 10'-2" - 11'-8" | 7 |

Note: Cored Slab Structures Require 2 Fabric Layers.

| Length of Bridge End Bent Inside Wingwalls |
|---|
| If Bridge Skew is Less Than or Equal to 90°: (Roadway Width + 7'-0") / Sin (Bridge Skew Angle) = Dis. Between Wingwalls |
| If Bridge Skew is Greater Than 90°: (Roadway Width + 7'-0") / Cos (Bridge Skew Angle - 90°) = Dis. Between Wingwalls |

SHEET 4 OF 4

422D10

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ENGLISH DETAIL DRAWING FOR

REINFORCED BRIDGE APPROACH FILLS

INSETS AND CHARTS

SHEET 4 OF 4

422D10

DESIGN SERVICES UNIT
STANDARDS AND SPECIAL DESIGN
Office 919-250-4128 FAX 919-250-4119

SEE PLATE FOR TITLE

ORIGINAL BY: 2002 STANDARDS DATE: 01-15-02
MODIFIED BY: E.E. WARD DATE: 03-26-03
CHECKED BY: DATE: 4-1-04
FILE SPEC.: stds/02stdsdetails/english/422d10.dgn

NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER JOEL L. SHERRILL 7/31/04

PROJECT REFERENCE NO. U-0620 SHEET NO. 2-K