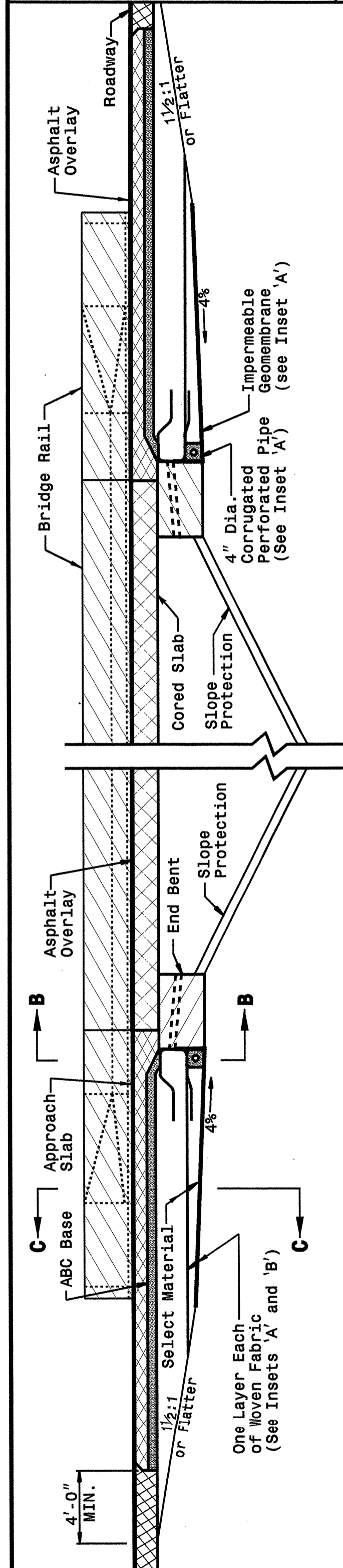


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 08/21/2004  
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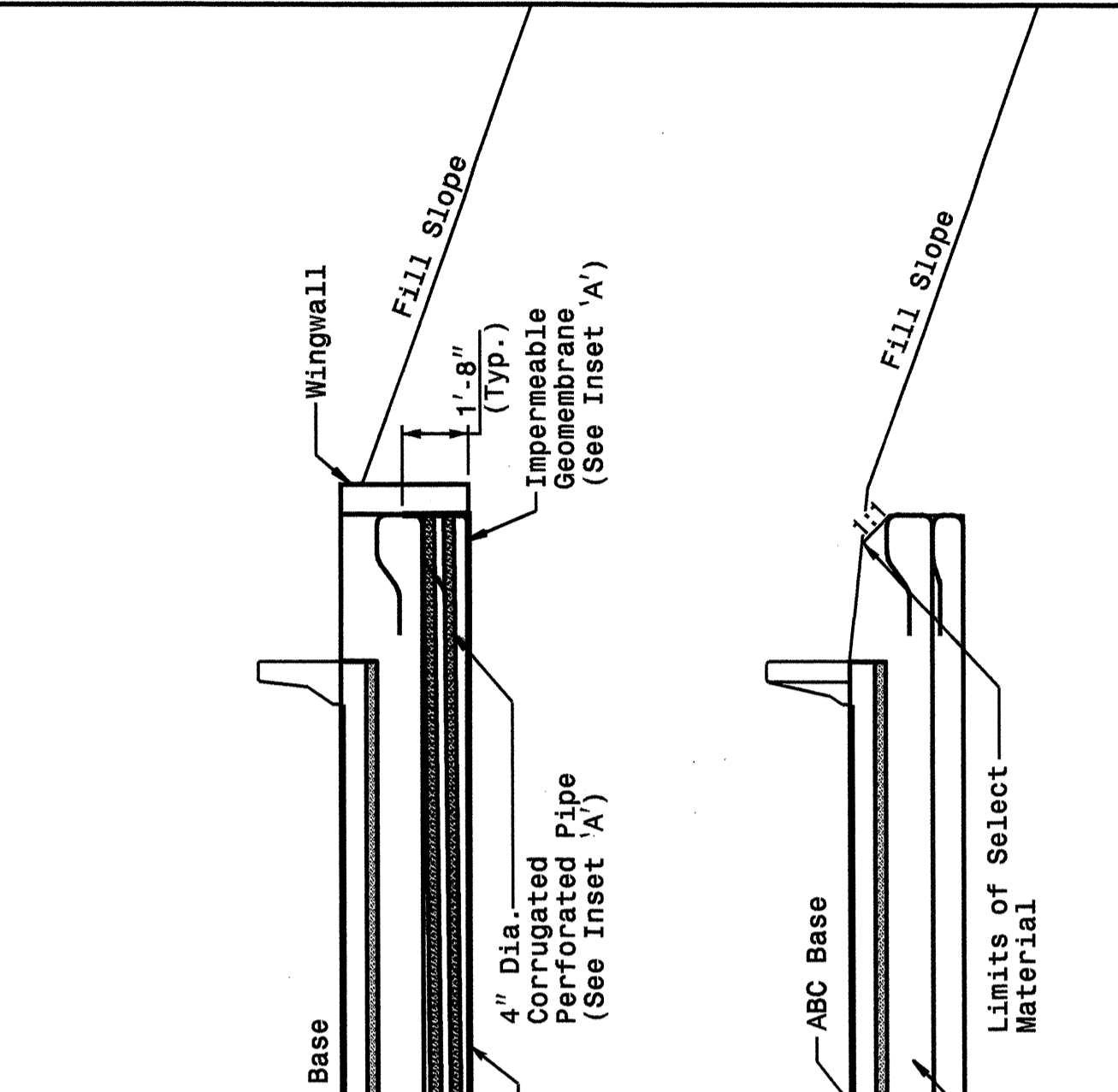
STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.



ENGLISH DETAIL DRAWING FOR  
**REINFORCED BRIDGE APPROACH FILLS**  
CORED SLAB BRIDGES

**SECTION A-A**

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

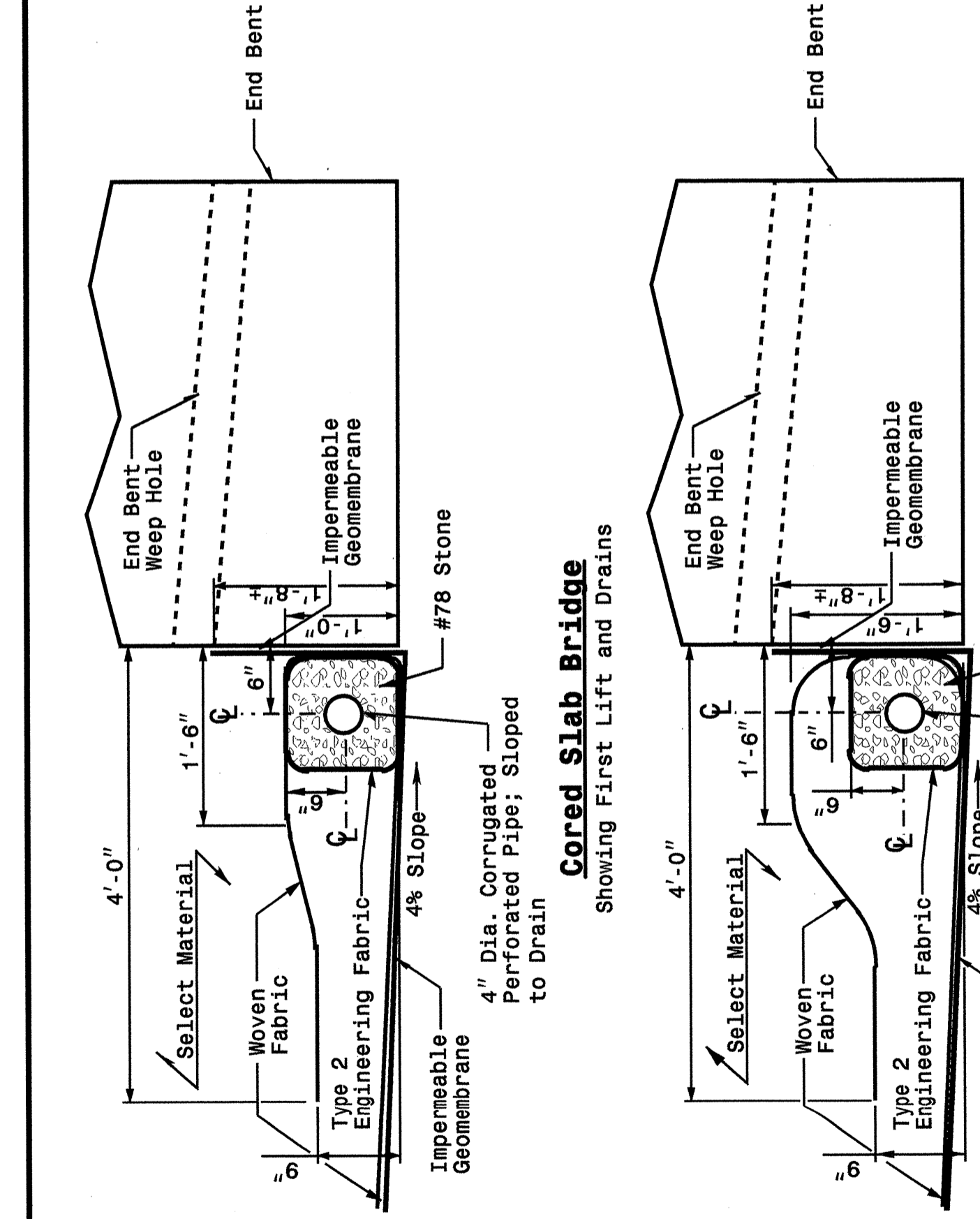


SHEET 3 OF 4  
**422D10**

**SECTION C-C**

SHEET 3 OF 4  
**422D10**

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



ENGLISH DETAIL DRAWING FOR  
**REINFORCED BRIDGE APPROACH FILLS**  
INSETS AND CHARTS

**Cored Slab Bridge**

**Typical Fabric Lift and Wrap**

Showing Second and Above Lifts

**Girder Bridge**

**Inset 'b'**

Showing First Lift and Drains

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

Note: Cored Slab Structures Require 2 Fabric Layers.

**Inset 'a'**

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**

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: *Saul S. Ward* DATE: 7/14/04  
 FILE SPEC.: stds/02stdstodetails/english/422d10.dgn

