ENGLISH STANDARD DRAWING FOR
REINFORCED BRIDGE APPROACH FILLS
25' Approach Slab

RALEIGH, N.C.
DIVISION OF HIGHWAYS
DEPT. OF TRANSPORTATION
NORTH CAROLINA
STATE OF NORTH CAROLINA
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RALEIGH, N.C.
**Inset 'A'**

**Girder Bridge**

Showing First Lift and Drains

- **Type 5 Geotextile**: 4% Slope
- **Type 1 Geotextile**: 6" Height of Backwall
- **Geosynthetic Core**: #78 Stone
- **4" Dia. Perforated Pipe**: Sloped to Drain

**Inset 'B'**

**Typical Geotextile Lift and Wrap**

Showing Second and Above Lifts

- **Select Material**: 4'-6" Min.
- **Type 5 Geotextile**: 6" Height of Backwall
- **Geosynthetic Core**: #78 Stone
- **4" Dia. Perforated Pipe**: Sloped to Drain

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**Length of Bridge End Bent Inside Wingwalls**

- If Bridge Skew is Less Than or Equal to 90°:
  \[
  \text{Dis. Between Wingwalls} = \frac{\text{(Roadway Width + 7'-0")}}{\sin \text{(Bridge Skew Angle)}}
  \]
- If Bridge Skew is Greater Than 90°:
  \[
  \text{Dis. Between Wingwalls} = \frac{\text{(Roadway Width + 7'-0")}}{\cos \left(\text{Bridge Skew Angle} - 90^\circ\right)}
  \]
PLAN VIEW
APPROACH SLAB