FILTER FABRIC

NORMAL TO ROADWAY

SECTION ALONG A SURVEY WHEN DITCH IS NOT PROVIDED

DETAILS FOR ALTERNATE "A"

SECTION ALONG & SURVEY WITH SHOULDER PIER

APPLICATION OF WELDED WIRE FABRIC REINFORCING SHALL BE 6 X 6 - W1.4 X W1.4, 60" WIDE.

GENERAL NOTES

SLOPE PROTECTION SHALL BE PLACED UNDER THE ENDS OF THE COLUMN AS SHOWN IN THE DETAILS. THE CONTRACTOR SHALL PROVIDE CONCRETE PAVERED STRIPS AS SHOWN IN THE DETAILS. THE CONTRACTOR SHALL PROVIDE 6 X 6 - W1.4 X W1.4, 60" WIDE FILTER FABRIC AND 8" OF STONE PROTECTION FOR BERM WIDTH, SEE GENERAL DRAWING.

ALTERNATE "A"

ALTERNATE "A" SHALL CONSIST OF A COMBINATION CONCRETE SLAB AND STONE PROTECTION AS SHOWN IN THE DETAILS. CONCRETE SHALL BE PLACED WITH A MODERN FLOAT AND REINFORCED WITH 2'-0" LONG #4 BARS PLACED ALONG THE SLOPE BETWEEN STRIPS AT 1'-6" MAXIMUM SPACING. SLOPE PROTECTION MAY BE POURED IN ALTERNATE 4' AND 5' STRIPS AS SHOWN IN THE "OPTIONAL POURING DETAIL" WITH ADJACENT RUNS. THE CONTRACTOR SHALL PROVIDE THE MOLD FOR THE MOLD FOR CONCRETE AND SEAL WITH JOINT SEALER OR GRAY LOW MODULUS SILICONE SEALANT, KEEP FREE OF CONCRETE AND SEAL WITH JOINT SEALER OR GRAY LOW MODULUS SILICONE SEALANT.

ALTERNATE "B"

ALTERNATE "B" SHALL CONSIST OF A COMBINATION CONCRETE SLAB AND STONE PROTECTION AS SHOWN IN THE DETAILS. CONCRETE SHALL BE PLACED WITH A MODERN FLOAT AND REINFORCED WITH 2'-0" LONG #4 BARS PLACED ALONG THE SLOPE BETWEEN STRIPS AT 1'-6" MAXIMUM SPACING. SLOPE PROTECTION MAY BE POURED IN ALTERNATE 4' AND 5' STRIPS AS SHOWN IN THE "OPTIONAL POURING DETAIL" WITH ADJACENT RUNS. THE CONTRACTOR SHALL PROVIDE THE MOLD FOR THE MOLD FOR CONCRETE AND SEAL WITH JOINT SEALER OR GRAY LOW MODULUS SILICONE SEALANT, KEEP FREE OF CONCRETE AND SEAL WITH JOINT SEALER OR GRAY LOW MODULUS SILICONE SEALANT.

SECTION ALONG & SURVEY WITH SHOULDER PIER

DETAILS FOR ALTERNATE "B"

SECTION ALONG & SURVEY WHEN DITCH IS PROVIDED

SECTION ALONG & SURVEY WITH SHOULDER PIER

PROJECTIONS

REVISIONS

DRAWN BY:

CHECKED BY:

DATE:

SHEET NO.

DEPARTMENT OF TRANSPORTATION

STATE OF NORTH CAROLINA

RALEIGH

STD. NO. SP1

SLOPE PROTECTION

WELDED WIRE FABRIC

SQUARE YARDS

APPROVAL

END DETAIL 1

END DETAIL 2

* QUANTITY SHOWN IS BASED ON 5' POURS.

6 X 6 - W1.4 X W1.4

WELDED WIRE FABRIC

60 INCHES WIDE

MATERIAL

1' MAX.

MATERIAL

1'-0"

3'-0"

4'-6"

5'-0"

STONE SLOPE PROTECTION

FILTER FABRIC

CONCRETE PLANNING FOR SLOPE PROTECTION

CONCRETE BARRIER

CONCRETE BARRIER

PLAN WHERE CONCRETE SLOPE PROTECTION MUST BE PLACED AROUND A BENT COLUMN

PORTION.

WIDTHS MAY VARY IN CURVED PORTION.

END BENT CAP OR LEVELED CYLINDER

END BENT CAP OR HORIZONTAL POURING DETAIL

PRESSURE TAP ON TOP OF EXP.

EXCEPT THE HERBICIDE TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

ENGINEER FOR APPROVAL.

FOR BERM WIDTH, SEE GENERAL DRAWING.

FOR HIGHWAY OVER HIGHWAY GRADE SEPARATIONS WITH 2:1 END BENT SLOPE IN CURVES, CONCRETE PROTECTION SHALL BE PLACED UNDER THE ENDS OF THE BRIDGE AS SHOWN IN THE DETAILS. THE CONTRACTOR, AT HIS OPTION, MAY USE ALTERNATE "B" ONLY FOR HIGHWAY OVER HIGHWAY GRADE SEPARATIONS WITH 2:1 END BENT SLOPE IN CURVES.

PERMITTED SLOPE PROTECTION SHALL BE POURED IN 5' STRIPS AS SHOWN IN THE "POURING DETAIL" WITH ADJACENT RUNS. THE CONTRACTOR SHALL PROVIDE THE MOLD FOR THE MOLD FOR CONCRETE AND SEAL WITH JOINT SEALER OR GRAY LOW MODULUS SILICONE SEALANT, KEEP FREE OF CONCRETE AND SEAL WITH JOINT SEALER OR GRAY LOW MODULUS SILICONE SEALANT.

MATERIAL

1'-0"

3'-0"

4'-6"

5'-0"