NOTES:

① CULVERT RIPRAP IS ONLY USED IN SPECIAL CIRCUMSTANCES.

② KEY ENDS OF RIPRAP WALLS INTO THE EMBANKMENT SLOPES A MINIMUM OF 2 FEET (600 mm) FROM OUTER FACE OF THE RIPRAP FOR THE FULL HEIGHT OF THE RIPRAP WALL.

UNITS SHOWN IN BRACKETS [] ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.
RANDOM RIPRAP CLASS I, II OR III

PLACE RIPRAP UP SLOPE

T [300] MIN. DEPTH
RIPRAP PLACED ON TOP
OF PERMANENT EROSION
CONTROL GEOTEXTILE
KEYED INTO RIPRAP

T + 0.5 [150]
[2.0 [600] MIN.]

T = 1.0 [300]

PERMANENT EROSION
CONTROL GEOTEXTILE
FOR SECTION 716

ENSURE INTIMATE CONTACT OF
PERMANENT EROSION CONTROL
GEOTEXTILE TO SUBGRADE SOIL

EMBANKMENT PROTECTION
MINIMUM T FOR:
CLASS I RIPRAP = 3.0 [900]
CLASS II RIPRAP = 2.5 [750]
CLASS III RIPRAP = 3.0 [900]

SECTION A-A

TOP OF STREAM BANK

TOP OF SLOPE

1" [300] MIN. OVERLAP

MACHINE DIRECTION
OF GEOTEXTILE

MACHINE DIRECTION
OF GEOTEXTILE

5" [150] MIN. OFFSET BETWEEN
ADJACENT ROLL ENDS

5" [150] MIN. OFFSET BETWEEN
ADJACENT ROLL ENDS

GEOTEXTILE PLACEMENT DETAIL
METHOD FOR PLACING PERMANENT
EROSION CONTROL GEOTEXTILE FOR
PROTECTION OF STREAM BANKS

GEOTEXTILE PLACEMENT DETAIL
METHOD FOR PLACING PERMANENT
EROSION CONTROL GEOTEXTILE FOR
PROTECTION OF CUT AND FILL SLOPES

NOTES:
1. INSTALL PERMANENT EROSION CONTROL
GEOTEXTILE PER SECTION 622.

UNITS SHOWN IN BRACKETS () ARE
METRIC AND ARE IN MILLIMETERS (mm)
UNLESS OTHER UNITS ARE SHOWN.