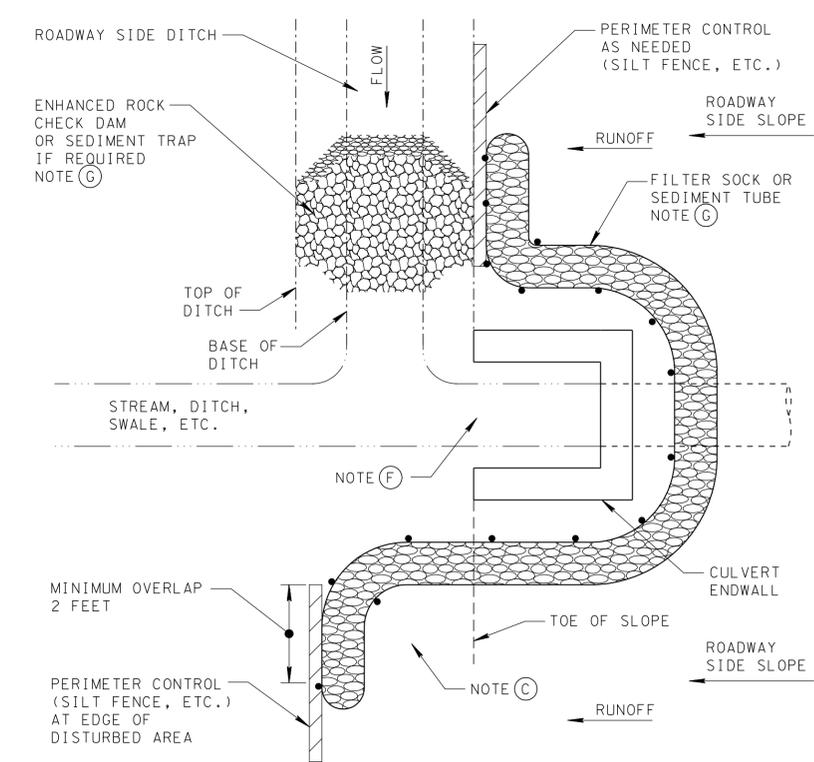
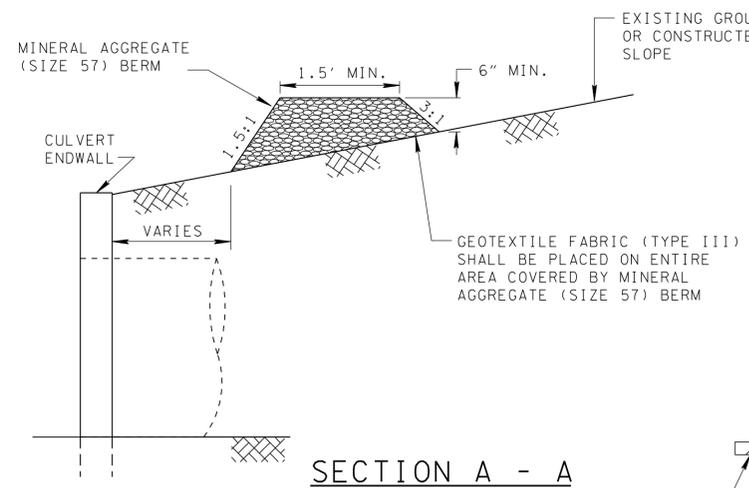


DETAILS WITH ROCK BERM

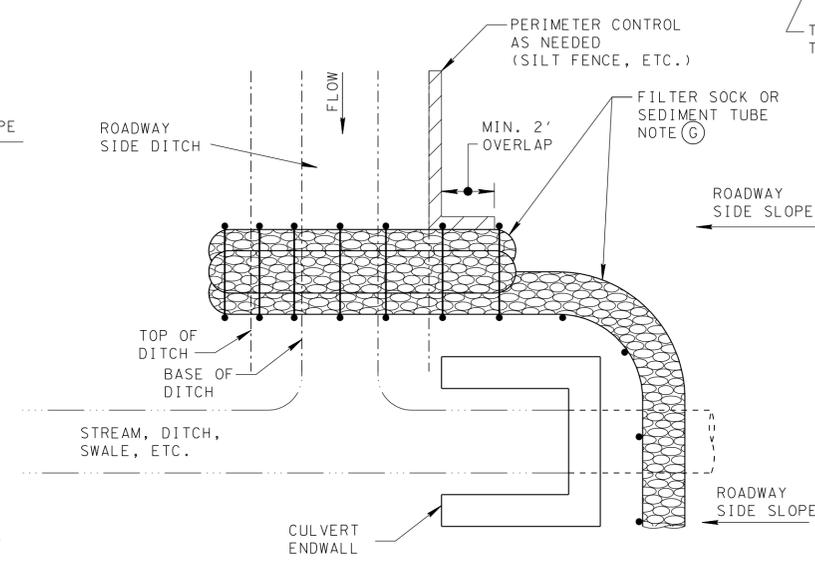


DETAILS WITH ALTERNATE MATERIALS

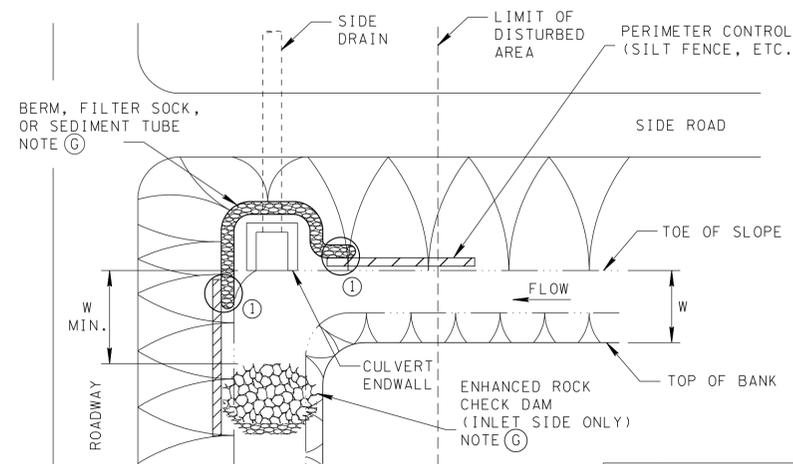
EROSION CONTROL PLAN LEGEND:  CULVERT PROTECTION (TYPE 2)



SECTION A - A

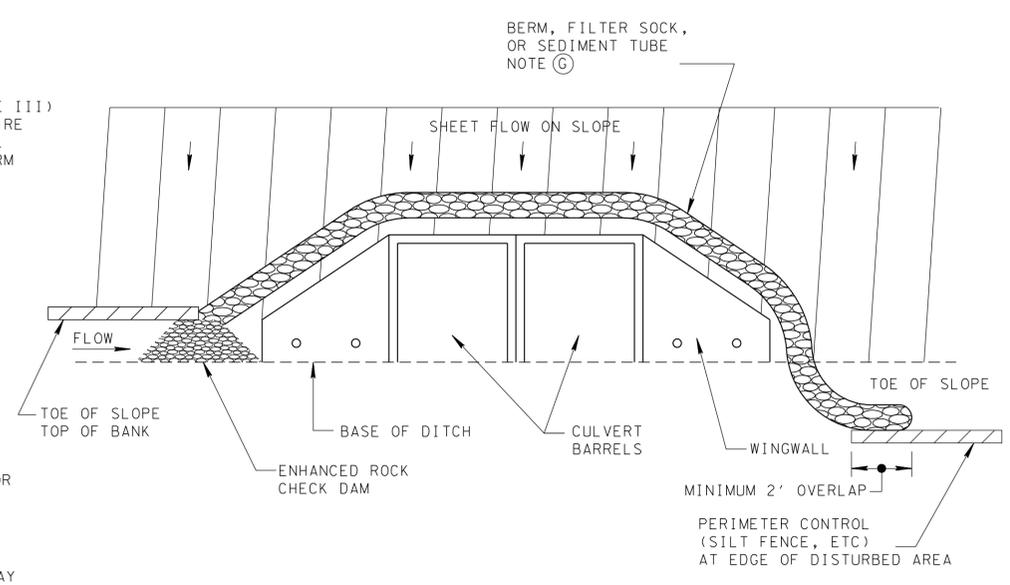


STACKED FILTER SOCK OR SEDIMENT TUBE FOR ROADWAY SIDE DITCHES



SIDE DRAIN APPLICATION

MAY BE APPLIED AT SIDE ROAD OR PRIVATE DRIVES



BOX CULVERT APPLICATION

CULVERT PROTECTION TYPE 2 GENERAL NOTES

- (A) CULVERT PROTECTION TYPE 2 MAY BE USED AT SITES WHERE A CULVERT CONVEYS A SIGNIFICANT AMOUNT OF RUN-ON FLOW. IT CONSISTS OF ONE OR MORE EROSION PREVENTION OR SEDIMENT CONTROL MEASURES WHICH SERVE TO REMOVE SEDIMENTS FROM ON-SITE RUNOFF WHILE ALLOWING RUN-ON FLOWS TO PASS THROUGH UNIMPEDED. CULVERT PROTECTION TYPE 2 MAY BE USED AT ANY CULVERT, INLET OR OUTLET, INCLUDING THOSE WHICH CONVEY A PERENNIAL STREAM WHERE CULVERT PROTECTION TYPE 1 WOULD NOT BE ALLOWED IN THE CHANNEL.
- (B) WHERE A SIDE DITCH IS LOCATED ADJACENT TO THE ROADWAY, CULVERT PROTECTION TYPE 2 SHALL EITHER BE CONTINUOUS WITH THE CHECK DAM OR ELSE TERMINATE ADJACENT TO IT AS SHOWN.
- (C) IN SITUATIONS WHERE NO SIDE DITCH IS REQUIRED, EXTEND THE PROTECTION TO THE EDGE OF THE DISTURBED AREA AND OVERLAP WITH THE PERIMETER CONTROLS A MINIMUM OF 2 FEET.
- (D) THE ENDWALLS SHOWN IN THIS DRAWING ARE FOR ILLUSTRATIVE PURPOSES ONLY. CULVERT PROTECTION TYPE 2 MAY BE USED WITH ANY TYPE OF CULVERT ENDWALL OR WITH BOX BRIDGE WINGWALLS.
- (E) CULVERT PROTECTION TYPE 2 IS SHOWN ON THIS DRAWING WITH ENDWALL IN PLACE. HOWEVER, IT SHOULD BE APPLIED AS SOON AS GRADING ACTIVITIES ABOVE THE CULVERT ARE COMPLETE, AND THUS MAY BE IN PLACE PRIOR TO ENDWALL CONSTRUCTION.
- (F) ANY DISTURBED AREAS IN FRONT OF THE ENDWALL SHALL BE PROVIDED WITH EITHER TEMPORARY SEEDING OR PERMANENT SEEDING WITH EROSION CONTROL BLANKET AS APPROPRIATE.
- (G) FOR INSTALLATION DETAILS AND ITEM NUMBERS FOR SILT FENCE (EC-STR-3B), SILT FENCE WITH WIRE BACKING (EC-STR-3C), ENHANCED ROCK CHECK DAM (EC-STR-6A), SEDIMENT TRAP WITH CHECK DAM (EC-STR-7), FILTER SOCK (EC-STR-8), AND SEDIMENT TUBE (EC-STR-37) REFER TO THEIR RESPECTIVE STANDARD DRAWING.
- (H) CULVERT PROTECTION (TYPE 2) SHALL BE PAID FOR UNDER THE FOLLOWING ITEM NUMBERS:

303-10.01	MINERAL AGGREGATE (SIZE 57) PER TON
740-10.03	GEOTEXTILE (TYPE III) EROSION CONTROL PER SQUARE YARD

SILT FENCE, SILT FENCE WITH WIRE BACKING, ENHANCED ROCK CHECK DAM, SEDIMENT TRAP WITH CHECK DAM, FILTER SOCK, AND SEDIMENT TUBE SHALL BE PAID FOR UNDER THEIR RESPECTIVE STANDARD DRAWING.

PAYMENT SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR CONSTRUCTION, MAINTENANCE, AND REMOVAL OF CULVERT PROTECTION (TYPE 2).
- (I) SEDIMENT SHALL BE REMOVED FROM THE CULVERT PROTECTION (TYPE 2) BASED ON THE CRITERIA SHOWN ON THE STANDARD DRAWINGS FOR THE SPECIFIC MEASURES BEING EMPLOYED AND PAID FOR UNDER ITEM NUMBER 209-05, SEDIMENT REMOVAL PER CUBIC YARD.
- (J) MAINTENANCE SHALL BE PERFORMED AS NEEDED BASED ON THE MAINTENANCE REQUIREMENTS FOR THE SPECIFIC MEASURES BEING EMPLOYED.