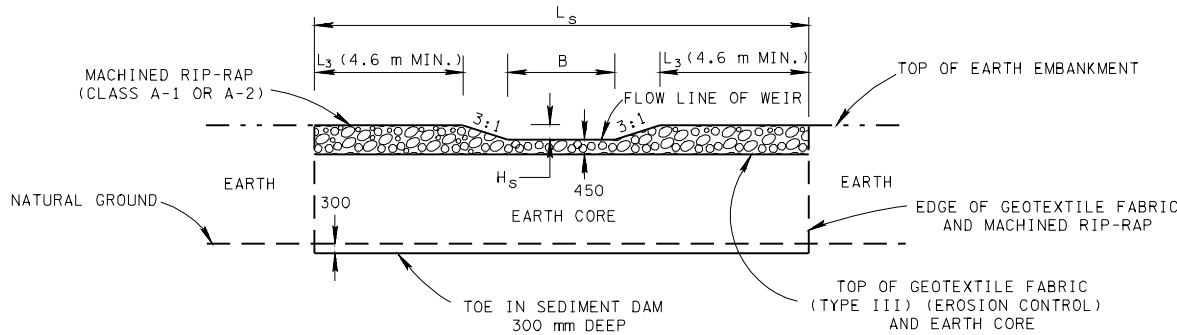


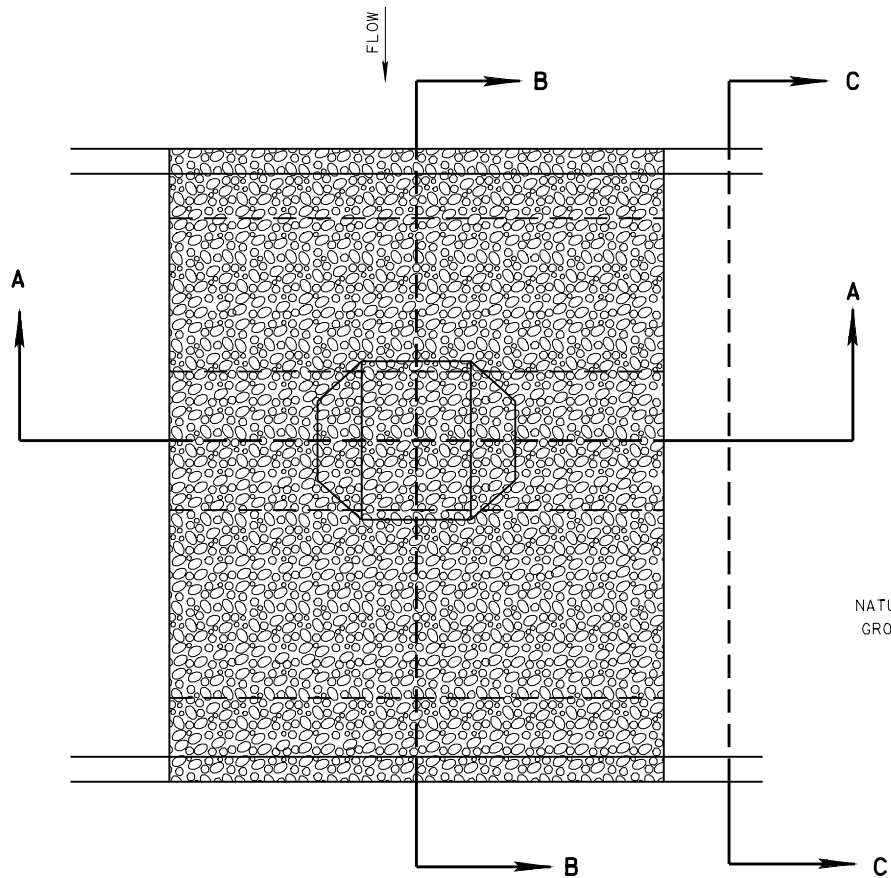
- REV. 11-1-95: CHANGED TO METRIC.
- REV.5-27-01: CHANGED ITEM NO. 740M03.01 TO 740M10.03.
- REV. 12-18-02: CHANGED GENERAL NOTE ⑥.
- REV. 1-22-03: CORRECTED GENERAL NOTE ⑥.

TEMPORARY OR PERMANENT ROCK AND EARTH SEDIMENT DAM

(ITEM NOS. 203M01, 709M05.06, 709M05.07, & 740M10.03)



SECTION A - A



PLAN VIEW OF ROCK FACED SPILLWAY WITH EARTH CORE AND ADJOINING EARTH EMBANKMENT

EROSION CONTROL PLAN LEGEND: (RE) (SD) TEMPORARY ROCK AND SEDIMENT DAM

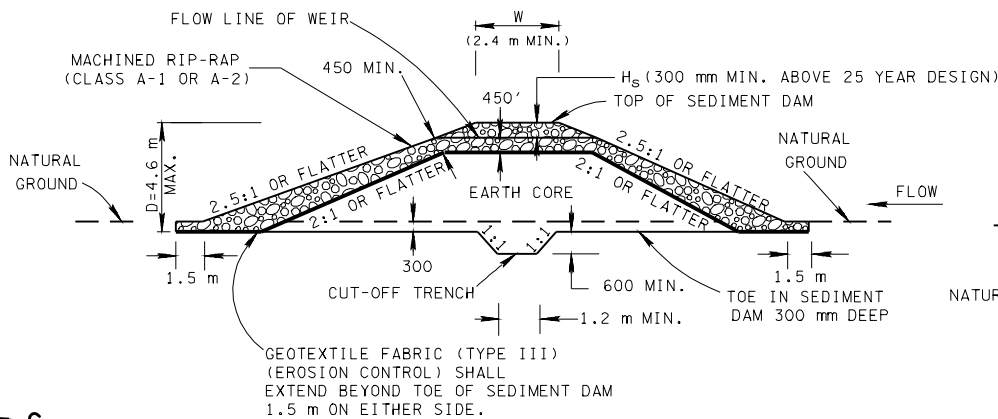
(RE) (SD) PERMANENT ROCK AND SEDIMENT DAM

GENERAL NOTES

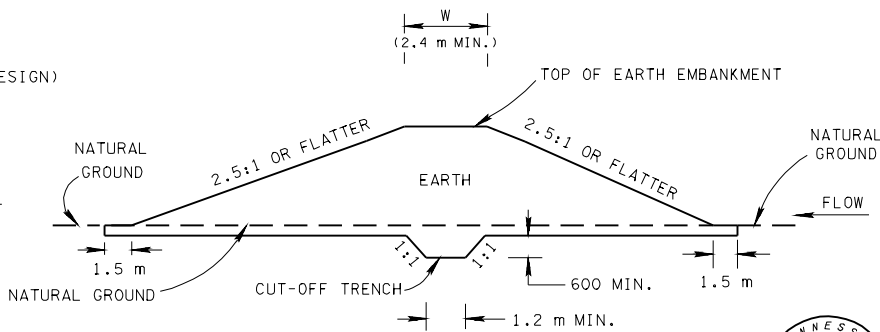
- (A) DIMENSIONS SHOWN ON THESE DETAILS ARE THE MINIMUM THAT WILL BE ACCEPTABLE UNLESS OTHERWISE SPECIFIED BY THE PROJECT ENGINEER.
- (B) THE CENTER OF THE TEMPORARY OR PERMANENT ROCK AND EARTH SEDIMENT DAM MUST BE AT LEAST 300 mm LOWER THAN THE OUTER EDGES. THIS WILL ELIMINATE THE ROCK - SOIL FAILURE POINT WHERE THE TEMPORARY OR PERMANENT ROCK AND EARTH SEDIMENT DAM AND NATURAL GROUND MERGE.
- (C) GEOTEXTILE FABRIC SHALL MEET REQUIREMENTS OF THE STANDARD SPECIFICATION FOR GEOTEXTILES AASHTO DESIGNATION M-288, EROSION CONTROL.
- (D) FOR EARTH-FILL EMBANKMENTS, A CUT-OFF TRENCH SHALL BE EXCAVATED ALONG THE CENTERLINE OF THE DAM. THE TRENCH MUST EXTEND AT LEAST 300 mm INTO A STABLE, IMPERVIOUS LAYER OF SOIL AND HAVE A MINIMUM DEPTH OF 600 mm. THE MINIMUM BOTTOM WIDTH SHALL BE 1.2 m, BUT ALSO MUST BE WIDE ENOUGH TO PERMIT OPERATION OF COMPACTION EQUIPMENT. THE SIDE SLOPES SHALL BE NO STEEPER THAN 1:1.
- (E) TEMPORARY OR PERMANENT ROCK AND EARTH SEDIMENT DAMS SHALL BE BID FOR UNDER THE FOLLOWING PAY ITEMS:

203M01 , ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED) PER CUBIC METER.
709M05.06, MACHINED RIP-RAP (CLASS A-1) PER TONNE.
709M05.07, MACHINED RIP-RAP (CLASS A-2) PER TONNE.
740M10.03, GEOTEXTILE (TYPE III) (EROSION CONTROL) PER SQUARE METER.

PAYMENT SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TEMPORARY OR PERMANENT ROCK AND EARTH SEDIMENT DAMS.
- (F) SEDIMENT SHALL BE REMOVED FROM BEHIND THE TEMPORARY OR PERMANENT ROCK AND EARTH SEDIMENT DAMS WHEN IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE STRUCTURE AND PAID FOR UNDER ITEM NO. 209M05, SEDIMENT REMOVAL PER CUBIC METER.



SECTION B - B
SEDIMENT DAM



SECTION C - C
EARTH EMBANKMENT

ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TEMPORARY OR PERMANENT ROCK AND EARTH SEDIMENT DAM

11-1-95 ECM-STR-13