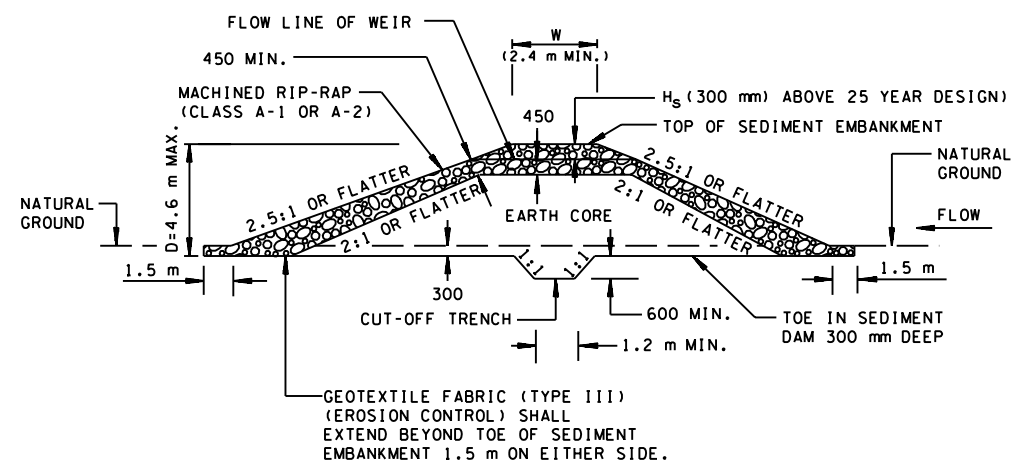
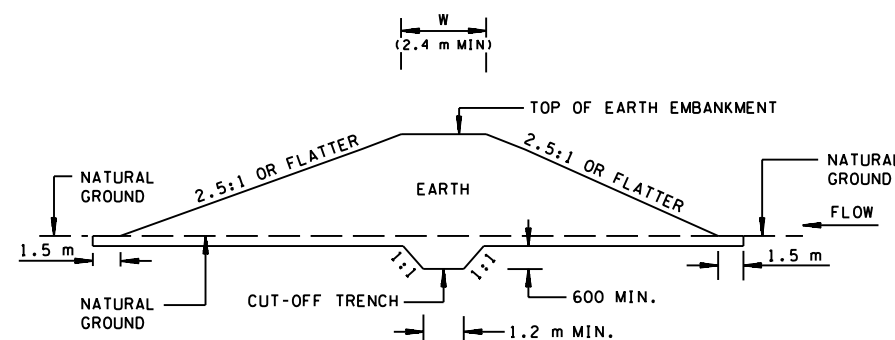


(ITEM NOS. 203M01, 709M05.06, 709M05.07, & 740M10.03)

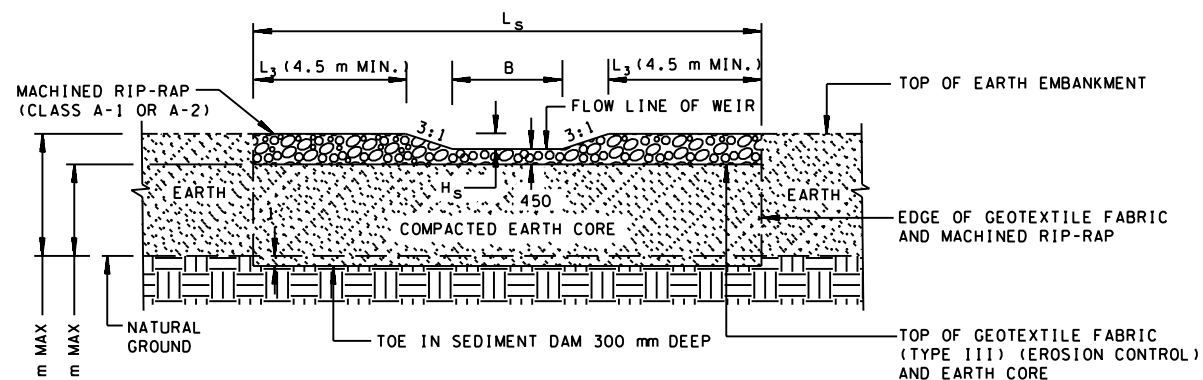
- ❑ REV. 11-1-95: CHANGED TO METRIC.
- ❑ REV. 5-27-01: CHANGED ITEM NO. 740M03.01 TO 740M10.03.
- ❑ REV. 12-18-02: CHANGED GENERAL NOTE (C).
- ❑ REV. 1-22-03: CORRECTED GENERAL NOTE (P).
- ❑ REV. 5-27-04: CORRECTED SECTION B-B VIEW.
- ❑ REV. 4-15-06: REFORMATTED SHEET, REVISED NOTES, MISC. EDITS TO DRAWING, CHANGED DRAWING NAME.



SECTION B-B
ROCK FACED SPILLWAY



SECTION C-C
EARTH EMBANKMENT



SECTION A - A

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

GENERAL NOTES

- (A) DIMENSIONS SHOWN ON THESE DETAILS ARE THE MINIMUM THAT WILL BE ACCEPTABLE UNLESS OTHERWISE SPECIFIED BY THE PROJECT ENGINEER.
- (B) THE OVERFLOW WEIR OF THE TEMPORARY ROCK AND EARTH SEDIMENT EMBANKMENT MUST BE AT LEAST 300 mm LOWER THAN THE OUTER EDGES. THE WEIR MUST BE DESIGNED TO PASS THE PEAK 25-YEAR FLOW RATE WITHOUT OVERTOPPING THE EMBANKMENT.
- (C) AT MOST SITES, TEMPORARY ROCK AND EARTH SEDIMENT EMBANKMENTS SHALL BE DESIGNED TO CREATE AN IMPOUNDMENT VOLUME EQUAL TO THE RUNOFF VOLUME FROM THE 2-YEAR, 24-HOUR RAINFALL EVENT. AT SITES WHICH DRAIN TO HIGH-QUALITY OR SEDIMENT-IMPAIRED STREAMS, THE IMPOUNDMENT VOLUME SHALL BE EQUAL TO THE RUNOFF FROM THE 5-YEAR, 24-HOUR EVENT. IN NO CASE SHALL THE IMPOUNDMENT VOLUME EXCEED 19.93 ha/m.
- (D) THE HEIGHT OF THE OVERFLOW WEIR SHOULD BE SET SUCH THAT ALL FLOWS IN EXCESS OF THE DESIGN IMPOUNDMENT VOLUME SHALL PASS OVER THE WIER.
- (E) THIS STRUCTURE IS FOR TEMPORARY USE. WHERE A PERMANENT FACILITY IS REQUIRED, CONSIDER THE USE OF A TEMPORARY SEDIMENT BASIN.
- (F) FOR EARTH-FILL EMBANKMENTS, A CUT-OFF TRENCH SHALL BE EXCAVATED ALONG THE CENTERLINE OF THE EMBANKMENT. 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.
- (G) THE EARTH EMBANKMENT SHALL BE COMPACTED AS REQUIRED FOR ANY STRUCTURE WHICH IS INTENDED TO IMPOUND WATER.
- (H) TEMPORARY ROCK AND EARTH SEDIMENT EMBANKMENTS SHALL BE BID 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 ROCK AND EARTH SEDIMENT EMBANKMENTS.
- (I) SEDIMENT SHALL BE REMOVED FROM BEHIND THE TEMPORARY ROCK AND EARTH SEDIMENT EMBANKMENT 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.



ALL UNITS ARE IN MILLIMETERS
UNLESS NOTED OTHERWISE.

☒ MINOR REVISION -- FHWA
APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TEMPORARY
ROCK AND EARTH
SEDIMENT
EMBANKMENT

11-1-95 ECM-STR-13