

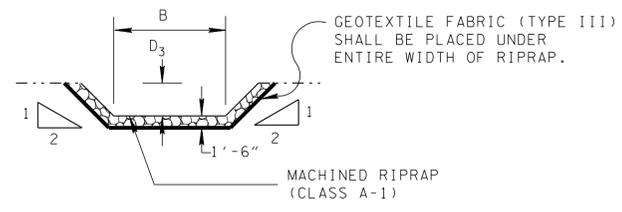
REV. 12-18-95: CHANGED DRAWING NO. FROM ESC-STR-15 TO EC-STR-15.

REV. 5-27-01: CHANGED REFERENCE TO RIP-RAP AND GEOTEXTILE FABRIC.

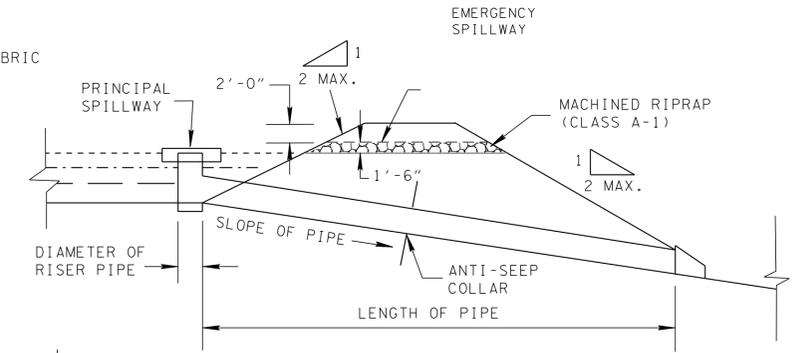
REV. 4-15-06: REFORMATTED SHEET, REVISED NOTES, MISC. EDITS TO DRAWING, CHANGED DRAWING NAME.

REV. 4-1-08: REVISED GENERAL NOTES, MISC. DRAFTING EDITS.

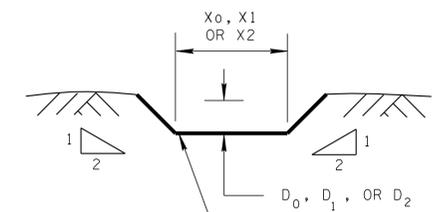
- SEDIMENT BASIN GENERAL NOTES**
- (A) SEDIMENT BASINS DETAIN STORMWATER RUNOFF FROM A DISTURBED AREA FOR AN EXTENDED TIME, ALLOWING SEDIMENT TO SETTLE WHICH REDUCES THE QUANTITY OF SEDIMENT IN THE STORMWATER RELEASED FROM THE BASIN.
  - (B) THE DRAINAGE AREA FOR A SEDIMENT BASIN SHALL NOT EXCEED 50 ACRES.
  - (C) FOR SITES WHICH DRAIN TO A HIGH-QUALITY OR SEDIMENT-IMPAIRED STREAM, THE DESIGN STORM SHALL BE THE 5-YEAR EVENT. THE DESIGN MAY BE BASED ON THE 2-YEAR EVENT AT OTHER SITES.
  - (D) THE MINIMUM SEDIMENT STORAGE VOLUME BELOW THE DRY SEDIMENT STORAGE ELEVATION SHALL BE 134 CUBIC YARDS PER ACRE OF CONTRIBUTING DRAINAGE AREA.
  - (E) DAMS THAT CAN STORE AT LEAST 30 ACRE-FEET OF RUNOFF OR ARE TWENTY (20) FEET OR MORE IN HEIGHT MUST MEET THE REQUIREMENTS ESTABLISHED BY THE TENNESSEE SAFE DAM ACT.
  - (F) SEDIMENT BASINS MAY REMAIN IN PLACE AS PERMANENT BASINS, AS INDICATED IN THE PLANS OR AS DIRECTED BY THE ENGINEER. THE DESIGN FOR PERMANENT BASINS SHALL BE APPROVED BY THE HYDRAULIC SECTION OF THE STRUCTURES DIVISION.
  - (G) SEE STANDARD DRAWINGS EC-STR-16 AND EC-STR-17 FOR ADDITIONAL DETAILS AND GENERAL NOTES NOT SHOWN ON THIS DRAWING.



**SECTION D-D  
EMERGENCY SPILLWAY**

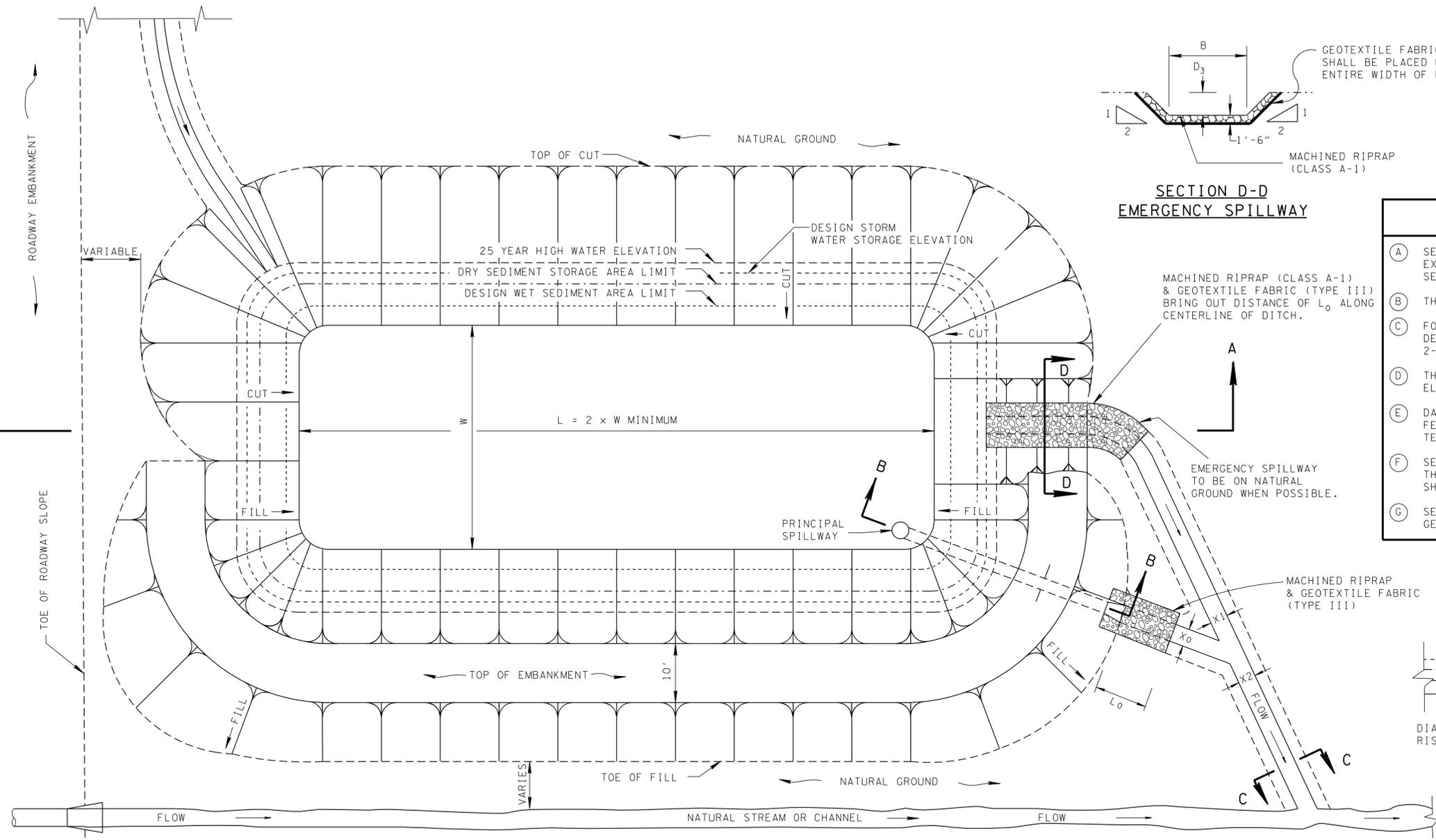


**SECTION B-B**

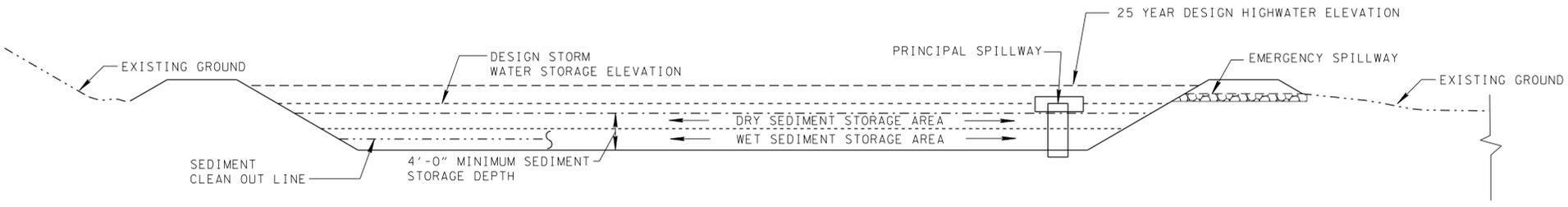


TURF REINFORCEMENT MAT SHALL BE PLACED ACROSS ENTIRE WIDTH OF DITCH.

**SECTION C-C**



**PLAN VIEW**



**SECTION A-A**

EROSION CONTROL PLAN LEGEND: SEDIMENT BASIN

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

SEDIMENT  
BASIN

10-26-92 EC-STR-15