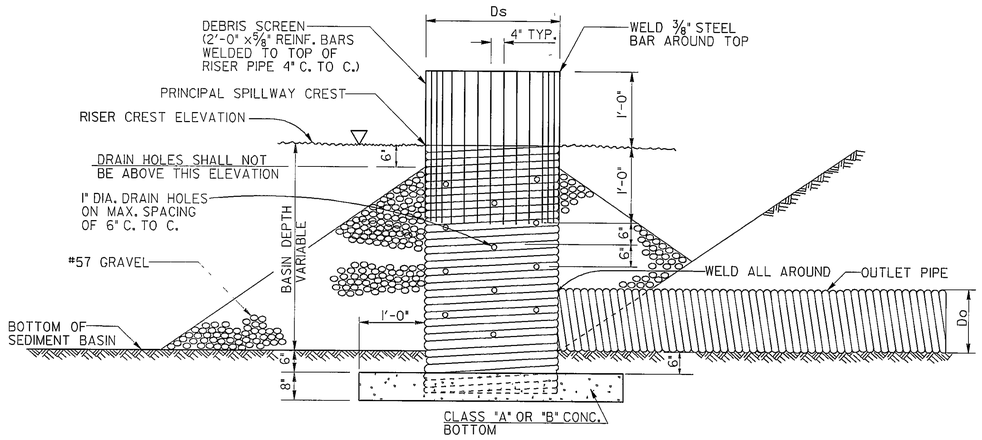
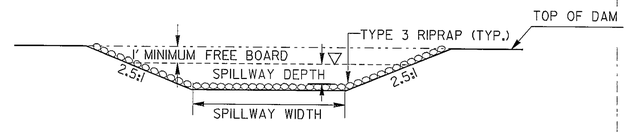
STATE	PROJECT NUMBER	SHEET NO	TOTAL SHEETS
GA.	CSBRG-0007-00(034)	139	145

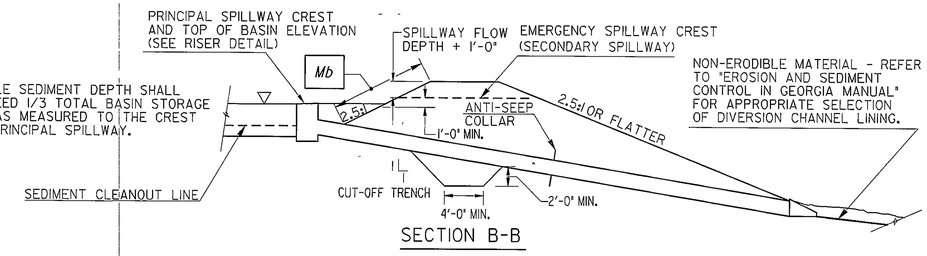


PRINCIPAL SPILLWAY DETAIL



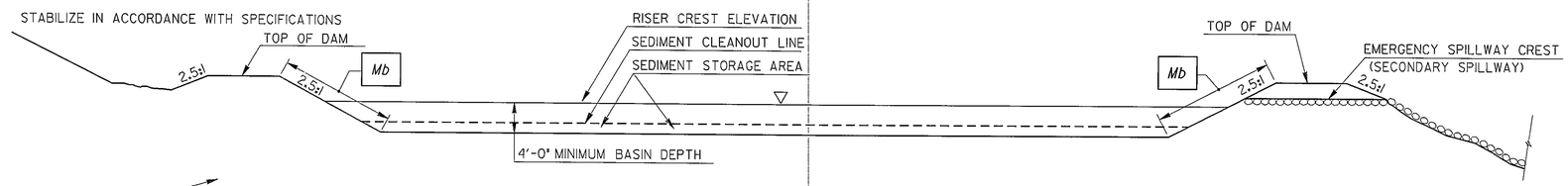
EMERGENCY SPILLWAY DETAIL

NOTE:
ALLOWABLE SEDIMENT DEPTH SHALL NOT EXCEED 1/3 TOTAL BASIN STORAGE VOLUME AS MEASURED TO THE CREST OF THE PRINCIPAL SPILLWAY.



SECTION B-B

NON-ERODIBLE MATERIAL - REFER TO "EROSION AND SEDIMENT CONTROL IN GEORGIA MANUAL" FOR APPROPRIATE SELECTION OF DIVERSION CHANNEL LINING.

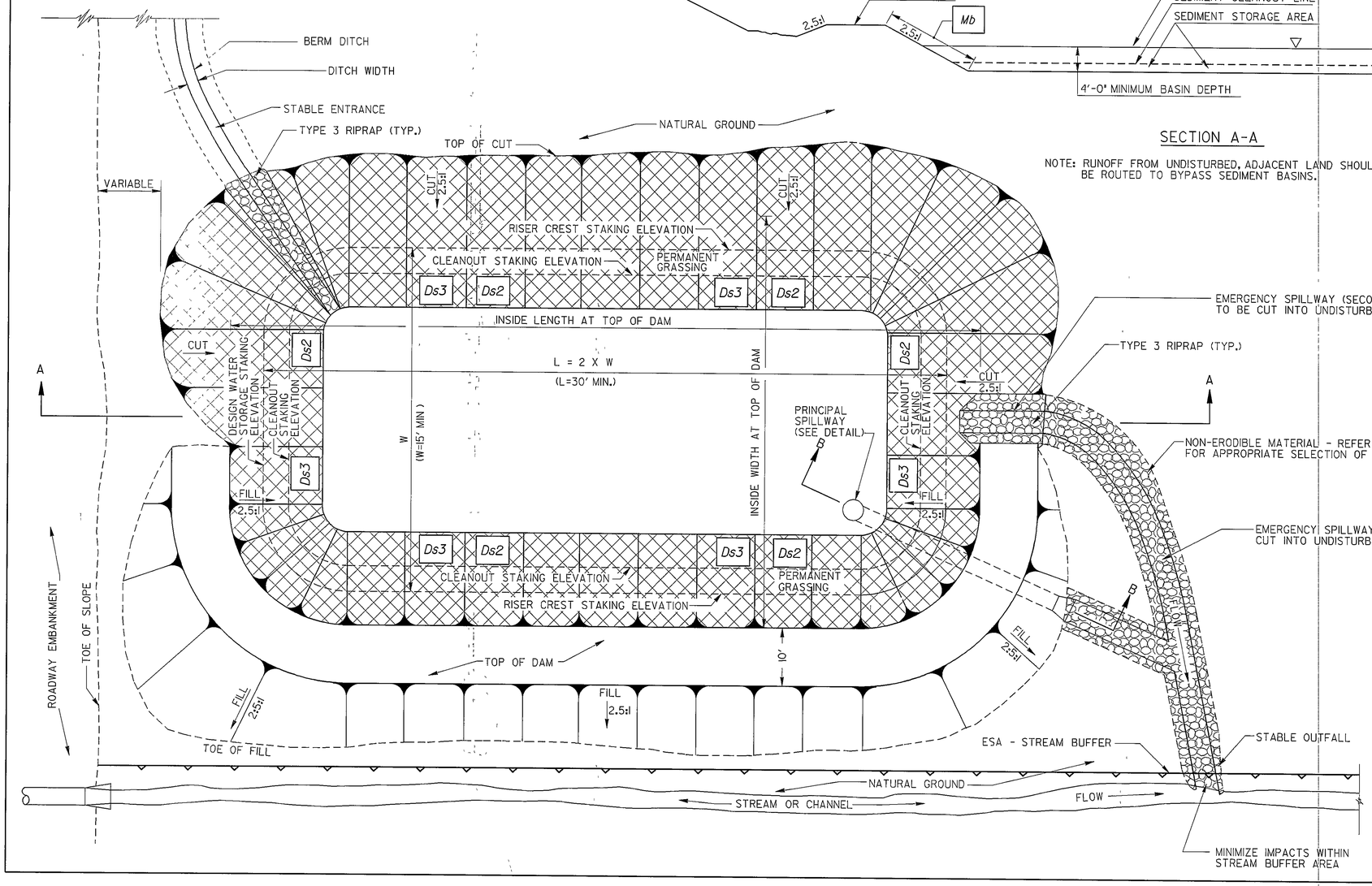


SECTION A-A

NOTE: RUNOFF FROM UNDISTURBED, ADJACENT LAND SHOULD BE ROUTED TO BYPASS SEDIMENT BASINS.

NOTES:

SEDIMENT BASINS ARE GENERALLY CONSTRUCTED ON A SLOPE AND ARE EXCAVATED ON THE UPHILL SIDE AND DAMMED ON THE DOWNHILL SIDE. SEDIMENT BASINS ARE DESIGNED TO HOLD A SEDIMENT LOAD OF 67 CUBIC YARD OF VOLUME PER ACRE OF DRAINAGE AREA. THE RECOMMENDED USE IS FOR DRAINAGE AREAS OF 3 TO 5 ACRES. LARGER AREAS SHOULD BE BROKEN INTO SMALLER AREAS WHEN POSSIBLE. IF A SEDIMENT BASIN IS USED FOR AN AREA LARGER THAN 5 ACRES, THE FOOTPRINT WILL BECOME VERY LARGE. THEN SPECIAL CONSIDERATION FOR CLEANOUT ACCESS SUCH AS THE ADDITION OF A CLEANOUT PENINSULA SHOULD BE GIVEN. SUFFICIENT EASEMENT IS NEEDED FOR BASINS AS WELL AS ACCESS FOR CLEANOUT VIA A ROUTE WITH A 3:1 SLOPE OR LESS.



EMERGENCY SPILLWAY (SECONDARY SPILLWAY) TO BE CUT INTO UNDISTURBED GROUND WHEN POSSIBLE.

TYPE 3 RIPRAP (TYP.)

NON-ERODIBLE MATERIAL - REFER TO "EROSION AND SEDIMENT CONTROL IN GEORGIA MANUAL" FOR APPROPRIATE SELECTION OF DIVERSION CHANNEL LINING.

EMERGENCY SPILLWAY CHANNEL TO BE CUT INTO UNDISTURBED GROUND WHEN POSSIBLE.

NOTES:

1) EROSION CONTROL MATTING AND MATTING BLANKETS SHALL BE INSTALLED ON ALL INSIDE BASIN SLOPED AREAS FROM THE BASIN TOP EDGE TO THE BASIN BOTTOM EDGE.

2) APPROVED EROSION CONTROL MATTING OR BLANKETS OR BONDED FIBER MATRIX SHALL BE APPLIED TO ALL SLOPES STEEPER THAN 2.5:1 OR GREATER SLOPES.

BY	REVISION	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
			CONSTRUCTION DETAILS SEDIMENT BASIN TYPE - I FOR USE OUTSIDE NATURAL CHANNELS
			NO SCALE — REV. AND REDRAWN AUGUST 2011
			NUMBER D-22

9/27/2011 11:35:46 AM \\GDOT-DSN1\GDFLOT\DCF\GO_KIDWOOD_GET_GOWENS_A \GARY\d-22\JOB REVISED\D-22.prt