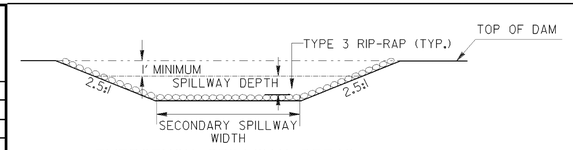
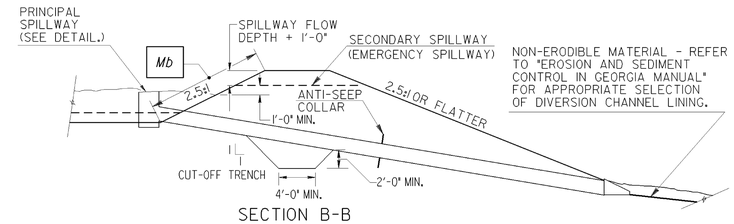
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	EDS00-0545-00(014)	622	627

LOCATION	SIDE	TOP OF DAM W	TOP OF DAM L	REQUIRED VOLUME	BASIN DEPTH	MINIMUM BOTTOM OF BASIN W	MINIMUM BOTTOM OF BASIN L	BASIN BOTTOM ELEV.	MINIMUM TOP OF BASIN W	MINIMUM TOP OF BASIN L	BASIN TOP ELEV.	CLEANOUT ELEV.	EFFECTIVE LENGTH L_e $L_e > L$	PRIMARY SPILLWAY D_s	PRIMARY SPILLWAY D_b	SECONDARY SPILLWAY WIDTH	SECONDARY SPILLWAY DEPTH	SECONDARY SPILLWAY ELEV.	Q25
		FT.	FT.	CU. FT.	FT.	FT.	FT.		FT.	FT.			FT.	IN.	IN.	FT.	FT.		CFS.
148+00	RT	50	90	5102.68	4	20	60	177	40	80	183	178.5	86.0	27	18	8	1	182	9.75
257+50	RT	70	130	17726.88	4	50	110	157	60	120	163	158.0	125.0	36	24	8	1	162	28.02
336+80	LT	75	140	20724.97	4	55	120	188	65	130	194	189.5	125.0	45	30	8	1	193	37.65
531+25	RT	50	90	5650.98	4	30	70	230	40	80	235	231.5	75.0	27	18	8	1	235	9.28
558+50	LT	55	100	6505.60	4	35	80	230	45	90	235	231.5	85.0	27	18	8	1	235	12.07

L_e = LENGTH OF BAFFLED FLOW PATH
STABILIZE IN ACCORDANCE WITH SPECIFICATIONS

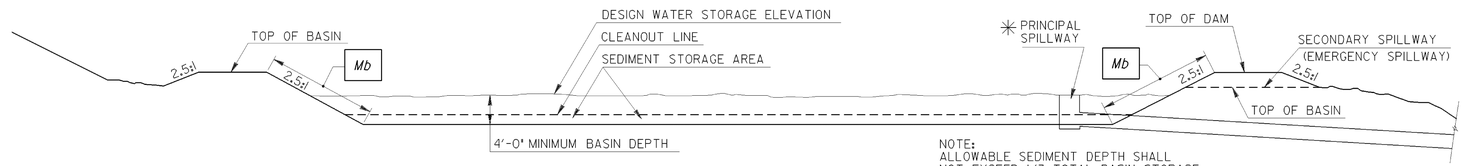


EMERGENCY SPILLWAY DETAIL



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

SECTION B-B



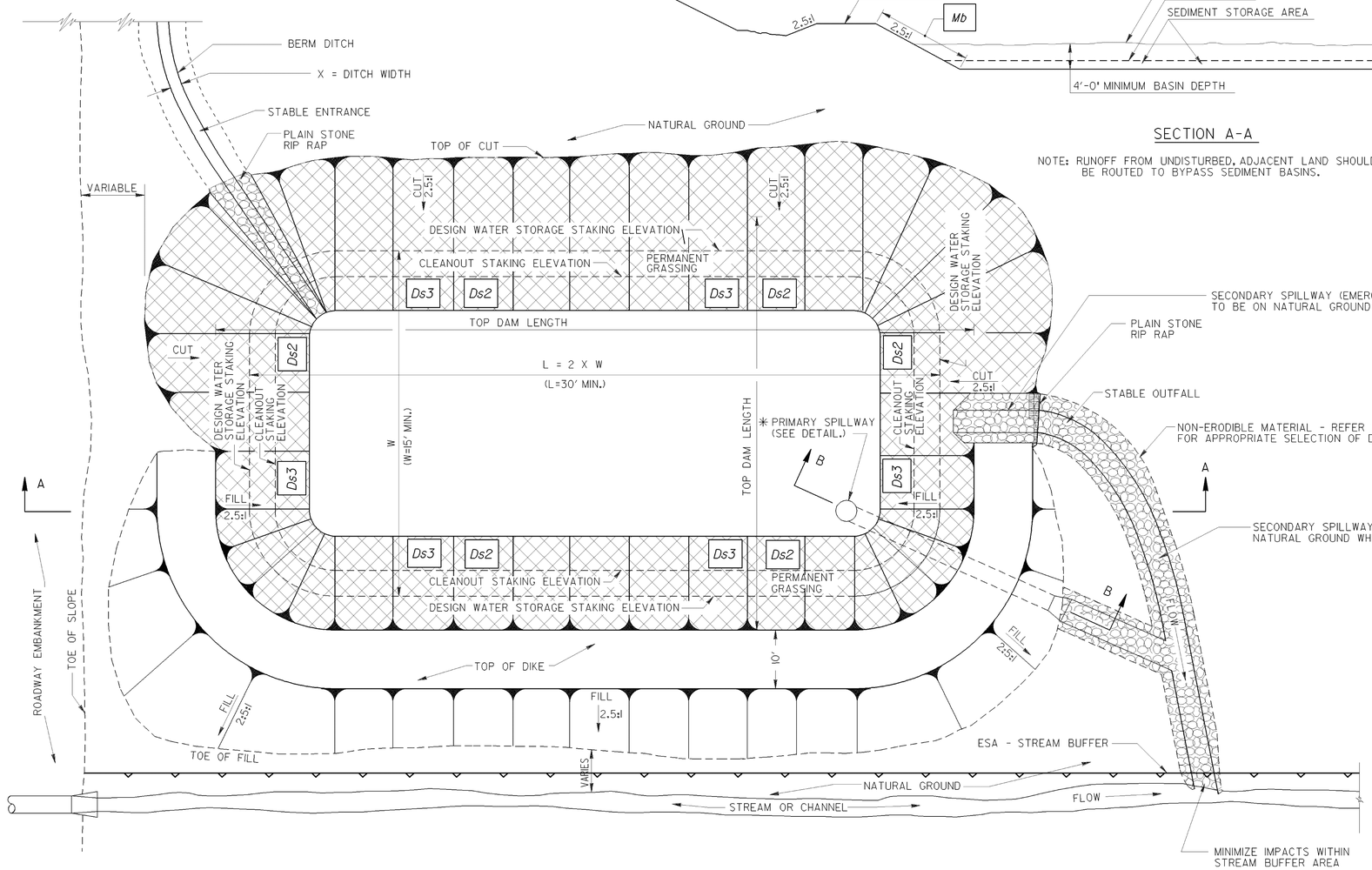
SECTION A-A

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

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

✳ SEE SEPARATE SHEET FOR DETAILS OF PRINCIPAL SPILLWAY.

USES:
THIS IS A BASIN THAT IS EXCAVATED OR AN AREA THAT IS DAMMED. THE BASIN WILL BE DESIGNED TO HOLD A SEDIMENT LOAD OF 67 CUBIC YARD OF VOLUME PER ACRE OF DRAINAGE AREA. IT IS USED FOR DRAINAGE AREAS OF 3 TO 5 ACRES. LARGER DRAINAGE AREAS OR LONGER CUT DITCHES SHOULD BE BROKEN INTO SMALLER AREAS IF POSSIBLE. IF A SEDIMENT BASIN IS USED ON AN AREA LARGER THAN 5 ACRES, THE SIZE WILL BECOME VERY LARGE. THIS REQUIRES SPECIAL CONSIDERATION FOR CLEANOUT ACCESS SUCH AS THE ADDITION OF A CLEANOUT PENINSULA. SUFFICIENT EASEMENT IS NEEDED FOR THE BASIN AND ACCESS FOR CLEANOUT VIA A ROUTE WITH 3:1 SLOPE OR LESS.



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 GRETAER SLOPES.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

SEDIMENT BASIN TYPE - I
FOR USE OUTSIDE NATURAL CHANNELS

NO SCALE — REV. AND REDRAWN JAN. 2011

DATE | REVISION | BY

NUMBER D-22

USE ON CONSTRUCTION