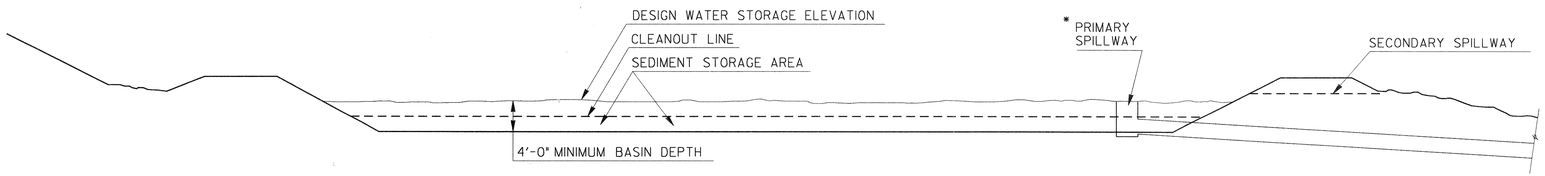
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.		829	839

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 1815 CUBIC FEET OF VOLUME PER ACRE OF DRAINAGE AREA. IT IS USED FOR DRAINAGE AREAS OF 3 TO 5 ACRES OR WHERE A ROADWAY CUT DITCH EXCEEDS 1,000 CONSECUTIVE FEET IN LENGTH. 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.

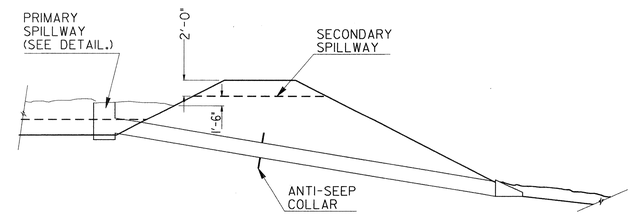


SECTION A-A

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

NOTE:
ALLOWABLE SEDIMENT DEPTH SHALL NOT EXCEED 1/3 TOTAL BASIN DEPTH.

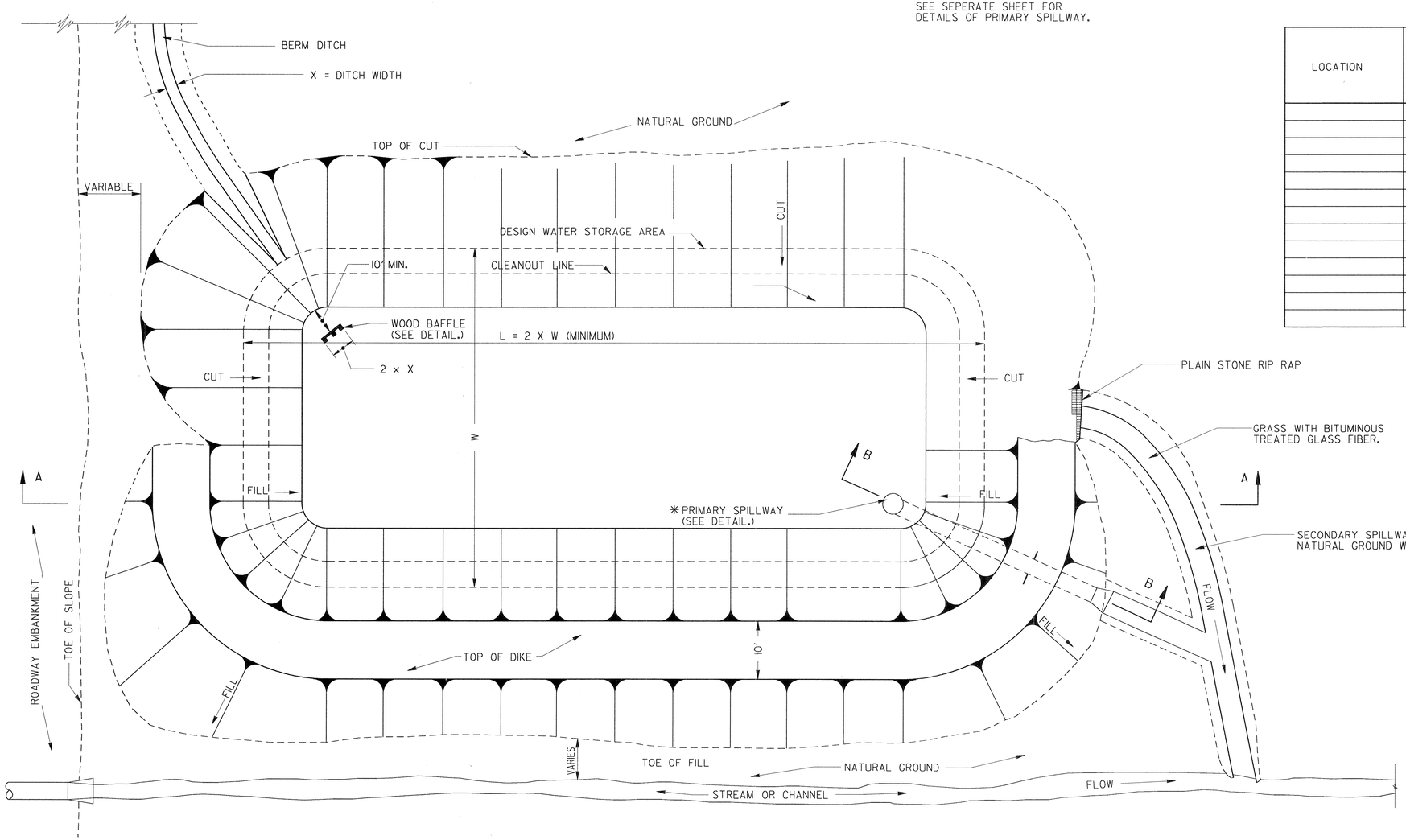
* SEE SEPERATE SHEET FOR DETAILS OF PRIMARY SPILLWAY.



SECTION B-B

LOCATION	SIDE	REQUIRED VOLUME	BASIN DEPTH	W	L	PRIMARY SPILLWAY		SECONDARY SPILLWAY WIDTH
				AT DEPTH SHOWN		D_S	D_O	
		CU. FT.	FT.	FT.	FT.	IN.	IN.	FT.

NOTE:
BASIN DEPTH 4'-0" MINIMUM, W & L MAY VARY TO CONFORM TO SITE CONDITIONS, PROVIDED REQUIRE VOLUME IS MAINTAINED, MINIMUM L = 2W.



BY	REVISION	DATE
	RELOC. WOOD BAFFLE	10-15-01
	ADDED RUNOFF NOTE	4-2-01
J.M.W.	GEN. REV.	2-24-95
J.M.W.	ADDED "USES" GUIDE	5-14-93
J.M.W.	GEN. REV.	5-19-89
J.M.W.	REVISED SEDIMENT	11-19-73

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SEDIMENT BASIN TYPE - 1
FOR USE OUTSIDE NATURAL CHANNELS

D-22

AS-BUILT