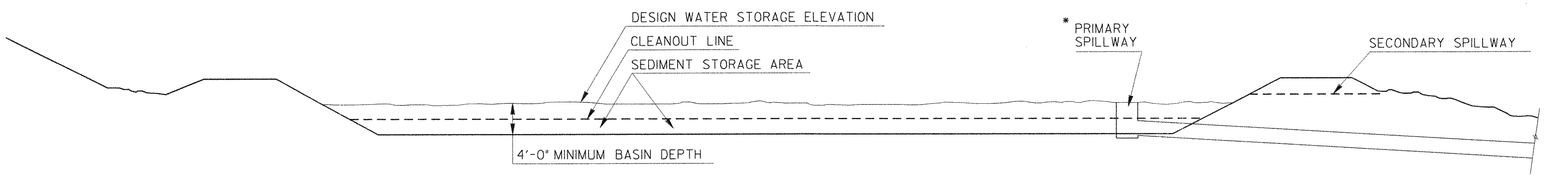
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.		293	297

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.

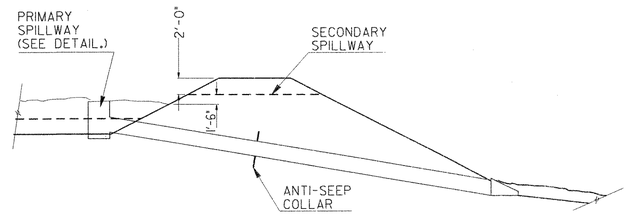


SECTION A-A

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.

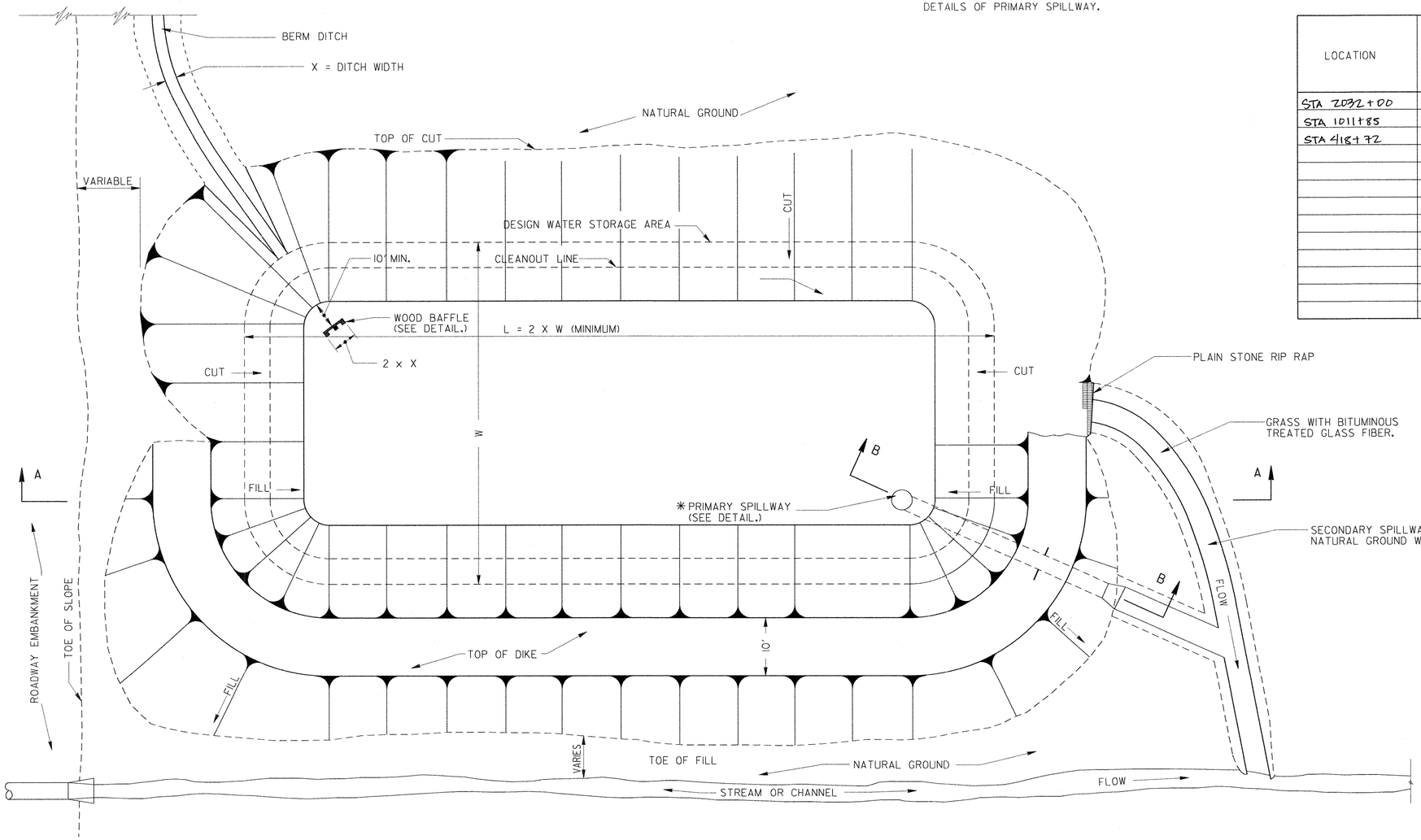
* SEE SEPERATE SHEET FOR DETAILS OF PRIMARY SPILLWAY.



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.
STA 2032+00	LT	3274	4	21	42	30	18	10
STA 1011+85	LT	17185	4	47	94	30	18	10
STA 4184+72	LT	8230	4	33	66	30	18	10

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



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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SEDIMENT BASIN TYPE - I
FOR USE OUTSIDE NATURAL CHANNELS

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