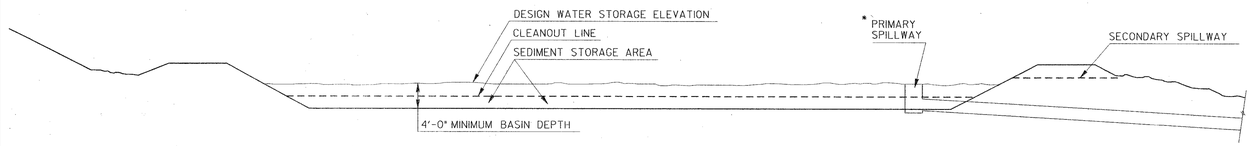
AS-BUILT PLANS 12/12/12

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

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.

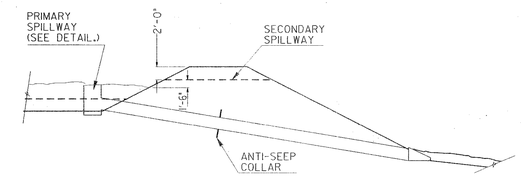


SECTION A-A

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

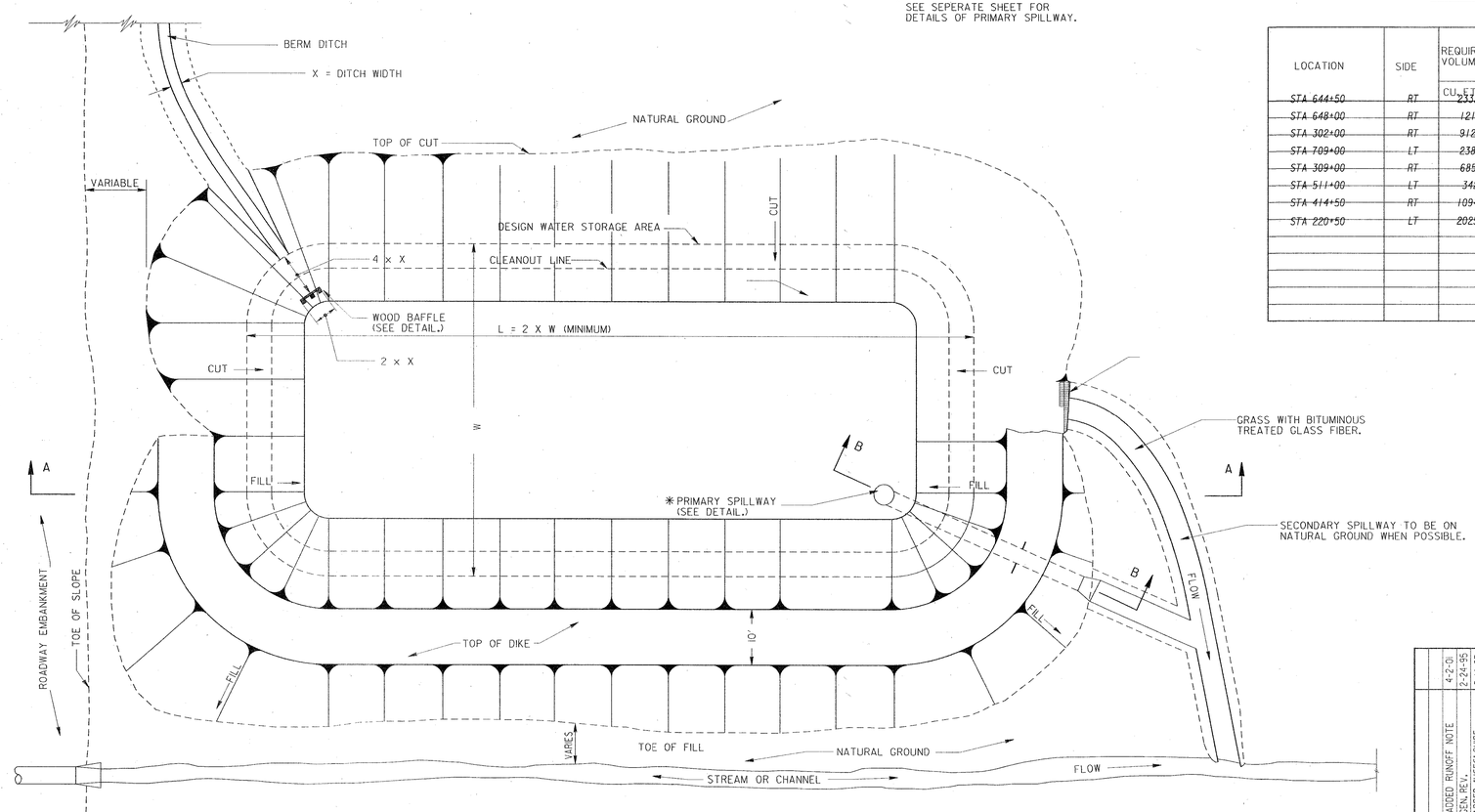
NOTE:
ALLOWABLE SEDIMENT DEPTH SHALL NOT EXCEED 1/3 TOTAL BASIN DEPTH.

*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 644+50	RT	23321	7.27	40	135	18	12	2
STA 648+00	RT	1215	3	32	120	18	18	2
STA 302+00	RT	9128	3	69	185	24	24	4
STA 709+00	LT	2388	3	25	55	18	18	2
STA 309+00	RT	6851	2.85	50	100	18	18	4
STA 511+00	LT	3423	3	20	115	24	24	2
STA 414+50	RT	10940	5.1	30	160	18	15	2
STA 220+50	LT	20255	6	40	75	18	18	10



NOTE:

RETROFIT ORIFICES AND WEIRS TO ACCOUNT FOR STORAGE DEPTHS AS INDICATED IN THE CHART.

DATE	REVISION	BY
4-2-01	ADDED RUNOFF NOTE	J.M.W.
2-24-95	GEN. REV.	J.M.W.
5-14-93	ADDED "USES" GUIDE	J.M.W.
5-19-89	GEN. REV.	J.M.W.
5-9-73	REVISED SEDIMENT	J.M.W.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SEDIMENT BASIN TYPE - I
FOR USE OUTSIDE NATURAL CHANNELS

J.M.W.
J.L.P.

D-22

THE LPA GROUP
TRANSPORTATION CONSULTANTS
3595 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE PROGRAM DELIVERY

EROSION CONTROL CONSTRUCTION DETAILS

DRAWING No. 56-005