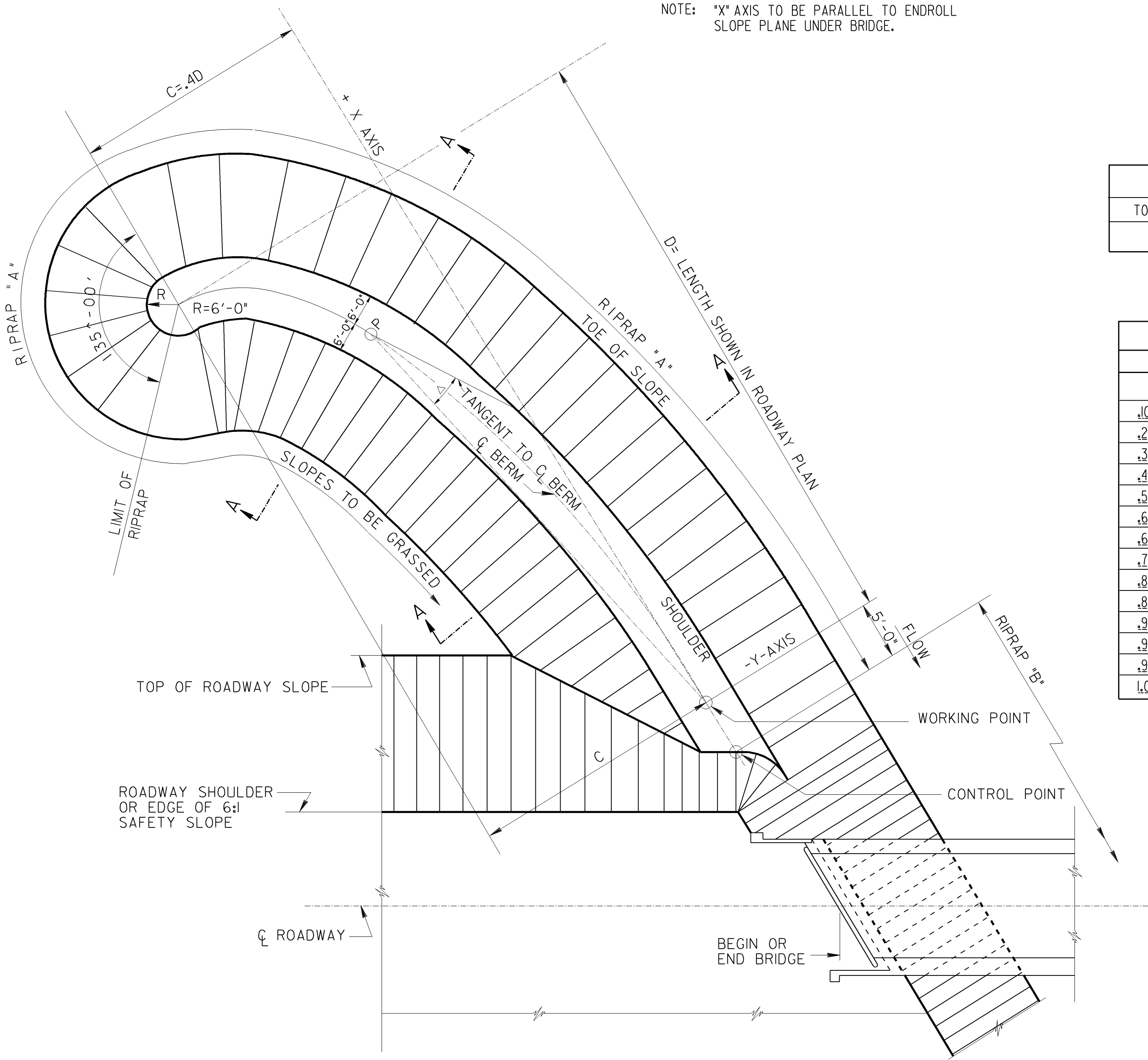
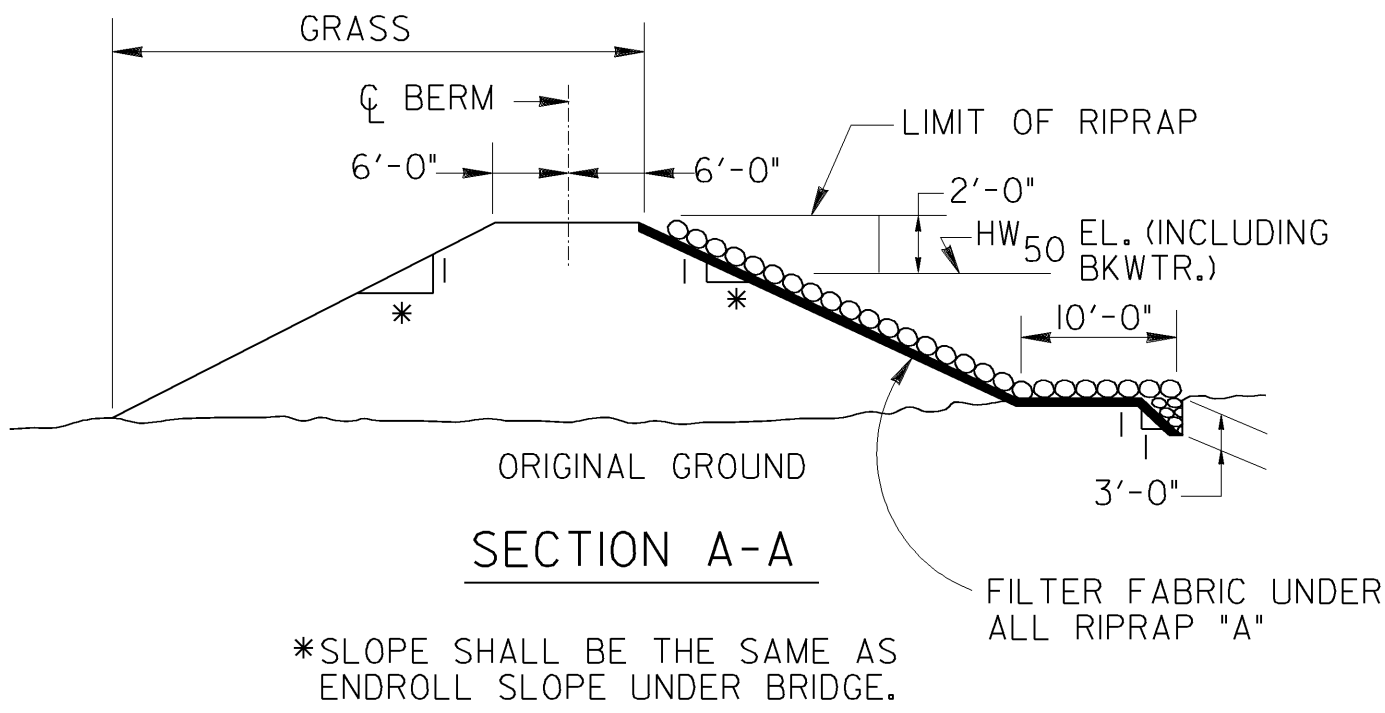


STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

NOTE: WHEN SPUR DIKE IS CONSTRUCTED SEPARATELY FROM BRIDGE, RIPRAP "A" SHALL BE PLACED BY GRADING CONTRACTOR AND RIPRAP "B" WILL BE PLACED IN THE FUTURE BY THE BRIDGE CONTRACTOR. WHEN GRADING AND BRIDGE IS LET UNDER SAME CONTRACT THEN THE RESPONSIBILITY OF PLACING RIPRAP "A" AND "B" WILL BE THE PRIME CONTRACTOR'S. FILTER FABRIC SHALL BE PLACED BY THE CONTRACTOR RESPONSIBLE FOR PLACING RIPRAP "A".

HW₅₀ = HIGHWATER 50 YEAR FLOOD



EQUATIONS

TO FIND "Y" COORDINATE	TO FIND Δ
$.4 (D - \sqrt{D^2 - X^2})$	$+ \text{ARCTAN } .4X / \sqrt{D^2 - X^2} - \text{ARCTAN } Y/X$

COORDINATES		ANGLE
X	Y	Δ
0	0	0°-0'
.1000	.0050	1°-09'
.2000	.0200	2°-21'
.3000	.0460	3°-39'
.4000	.0830	5°-08'
.5000	.1340	6°-53'
.6000	.2000	9°-06'
.6670	.2550	11°-00'
.7330	.3200	13°-26'
.8000	.4000	16°-46'
.8670	.5000	21°-46'
.9000	.5640	25°-29'
.9330	.6400	30°-46'
.9670	.7440	39°-23'
1.0000	1.0000	68°-12'

NOTE: TO SET TOP AND BOTTOM OF SLOPE, SET ON ANY POINT P ON C BERM. SIGHT BACK ON WORKING POINT AND TURN ANGLE TO BECOME TANGENT TO CL BERM. TOP AND BOTTOM OF SLOPE ARE SET NORMAL TO TANGENT.

GENERAL NOTES

SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION & SUPPLEMENTS THERETO.
FILTER FABRIC SHALL BE PLASTIC WOVEN FOR USE BENEATH RIPRAP PER SECTION 881.

NOTE:
STANDARD No 9046 A REPLACES STANDARD No 9046.

	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
	REVISION	STANDARD EARTH SPUR DIKE	
		NO SCALE	REDRAWN SEPT., 1999
BY	DESIGNED _____ DRAWN _____ TRACED _____ CHECKED _____	(SUBMITTED) <i>James H. Kaul</i> STATE ROAD & AIRPORT DESIGN ENGINEER (APPROVED) <i>Paul L. Pank</i> CHIEF ENGINEER	NUMBER 9046A