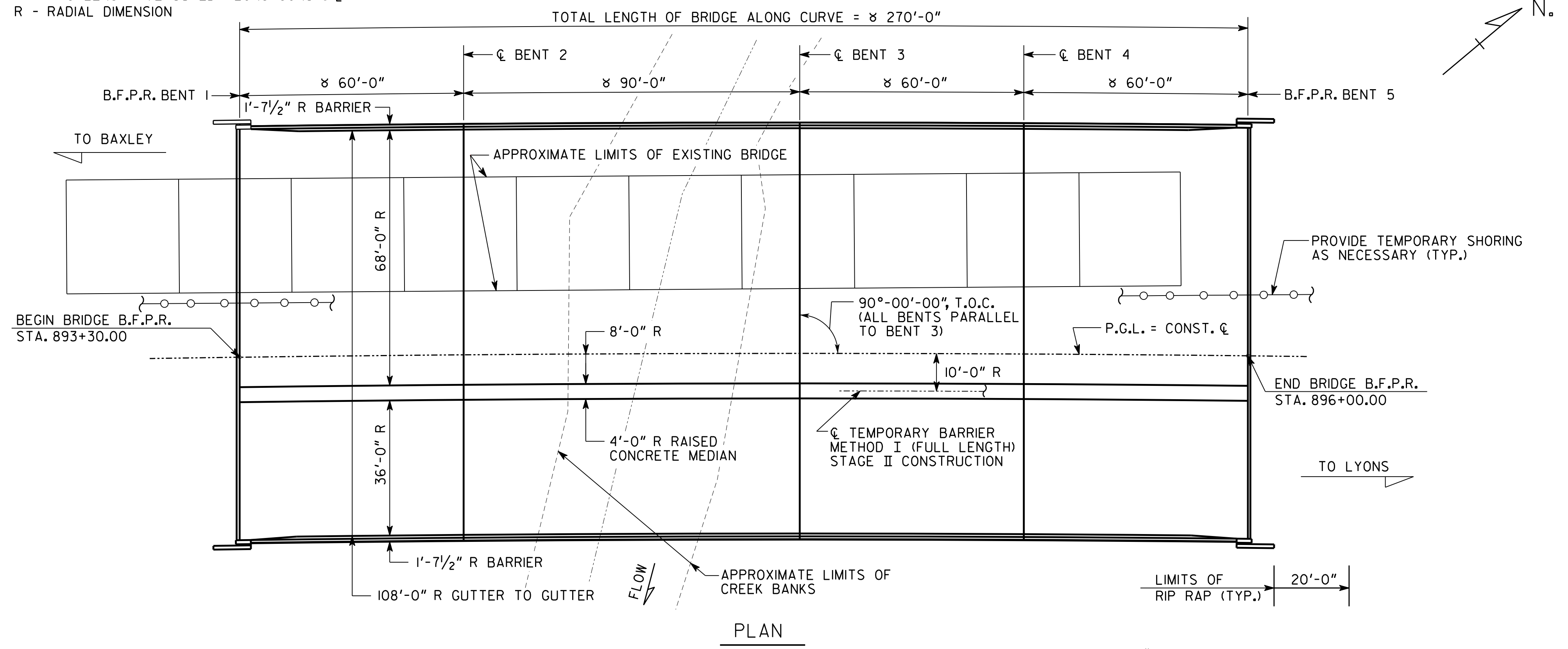


STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

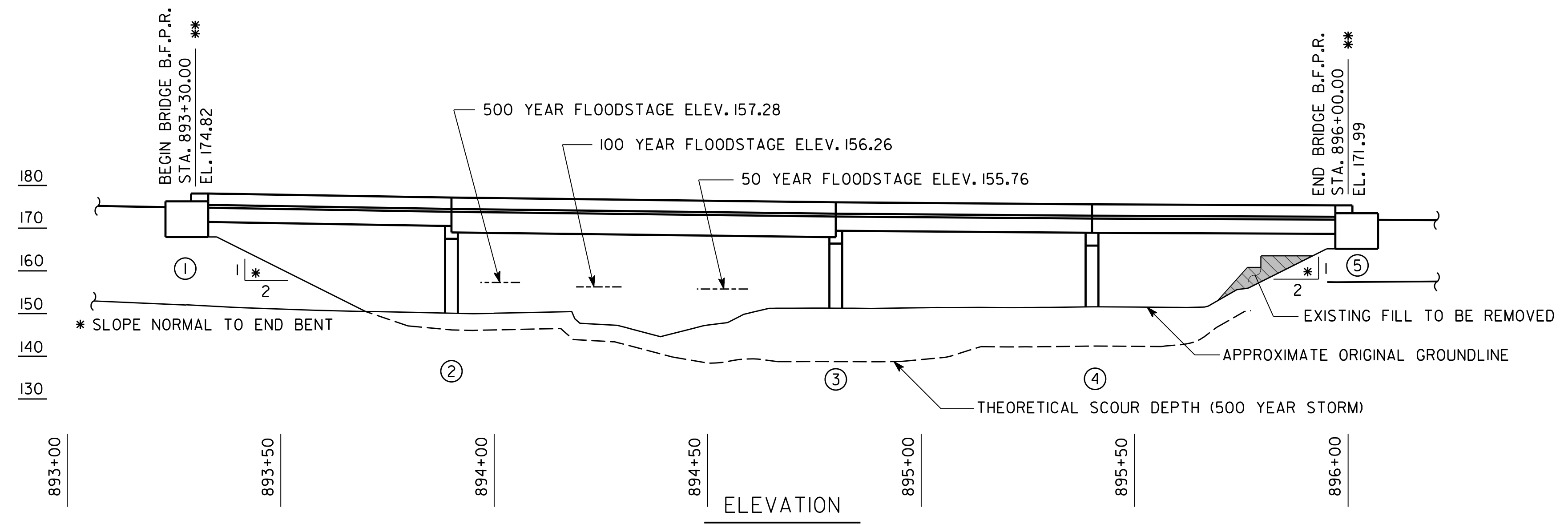
⌀ - ARC LENGTH MEASURED ALONG CONST. Ⓞ
R - RADIAL DIMENSION



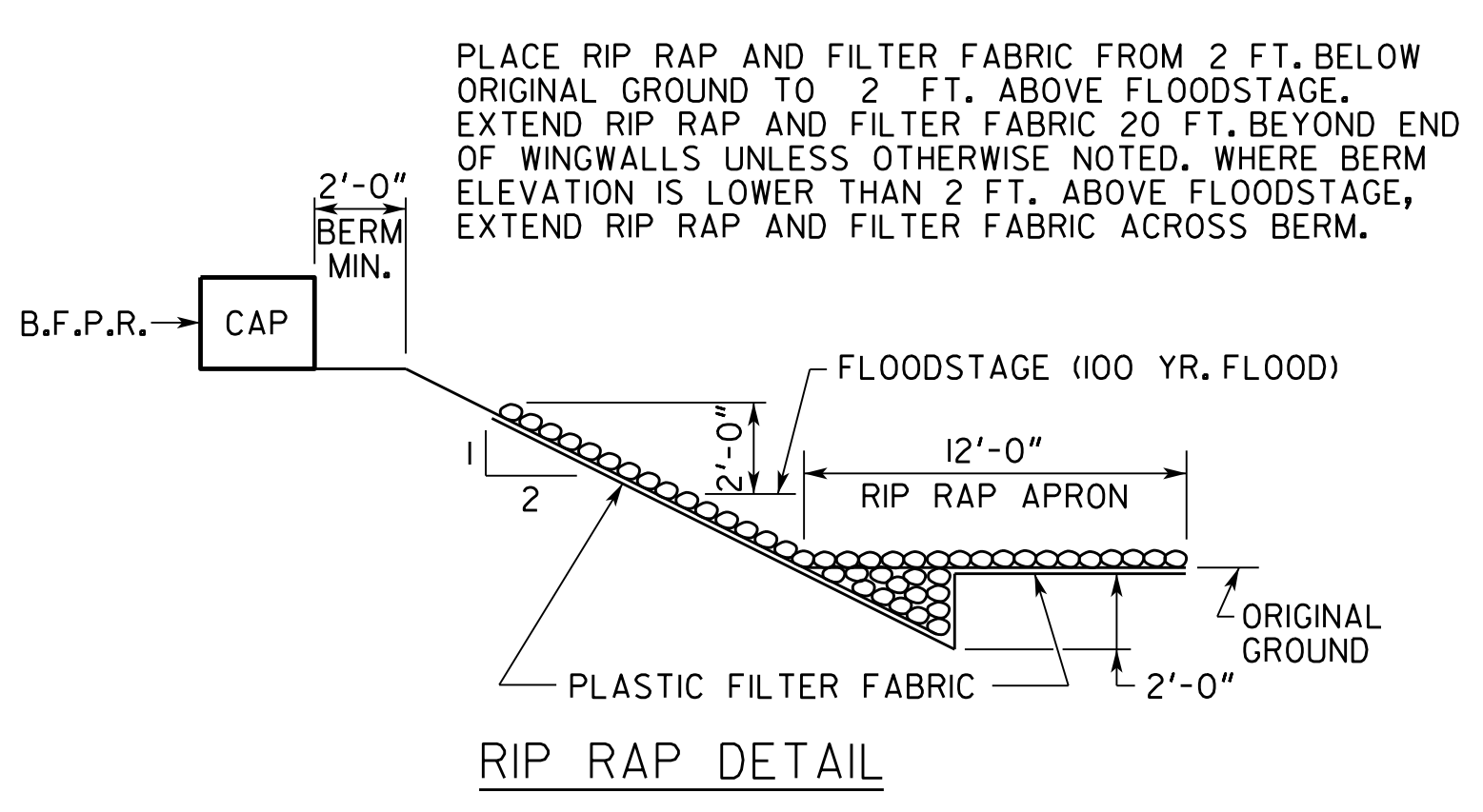
PLAN

BM - RAILROAD SPIKE IN 10" OAK TREE, 149.16 FT. LT. OF STATION 894+72.49. ELEV. = 152.10 FT.

** STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND B.F.P.R. OR Ⓞ BENTS.



ELEVATION



RIP RAP DETAIL

BERM ELEVATIONS *	
END BENT	ELEVATIONS
1 LT	170.15
1 RT	167.45
5 LT	167.32
5 RT	164.62

* NOTE: FOR BRIDGE ENROLL STAKING PURPOSES ONLY.

DRAINAGE DATA

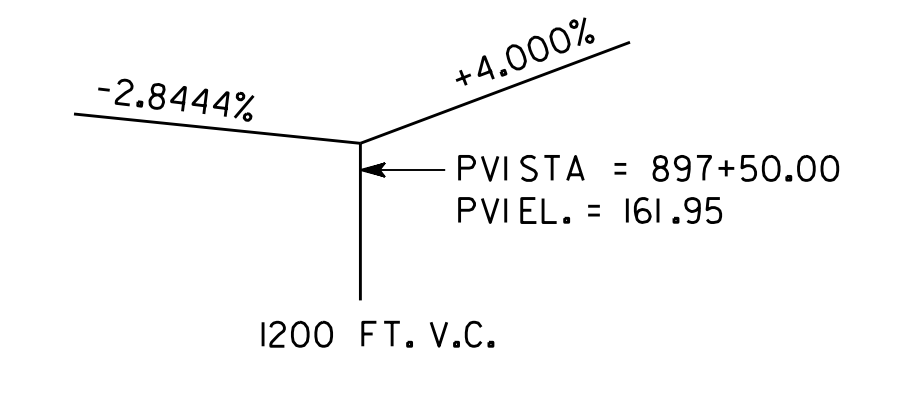
DRAINAGE AREA ----- 27 SQ MILES

FLOOD FREQUENCY	TOTAL DISCHARGE	MEAN VELOCITY	AREA OF OPENING UNDER FLOODSTAGE	BACKWATER
50 YEAR	2,230 CFS	2.06 FPS	1,081 SQ FT	0.35 FT
100 YEAR	2,690 CFS	2.27 FPS	1,183 SQ FT	0.41 FT
500 YEAR	3,750 CFS	2.69 FPS	1,394 SQ FT	0.50 FT

BENT LOCATION	THEORETICAL SCOUR DEPTHS (FT)					
	100 YEAR STORM			500 YEAR STORM		
	GENERAL	LOCAL	TOTAL	GENERAL	LOCAL	TOTAL
BENT 2	0.0	3.5	3.5	0.0	3.9	3.9
BENT 3	3.5	6.7	10.2	5.3	7.2	12.5
BENT 4	3.5	3.4	6.9	5.3	3.9	9.2

PISTA = 890+14.94
PC STA = 877+40.58
PT STA = 902+77.98
D = 00°-31'-15.1"
Δ = 12°-12'59.8"(RT)
T = 1274.36
L = 2537.40
R = 11,000
E = 73.57
SE = 2.5%

PROPOSED HORIZONTAL CURVE DATA



PROPOSED VERTICAL CURVE

PROPOSED BRIDGE CONSISTS OF

- 3 - 60' - 0" TYPE II PSC BEAM SPANS ----- SPECIAL DESIGN
 - 1 - 90' - 0" BULB TEE, 54 IN, PSC BEAM SPAN ----- SPECIAL DESIGN
 - 2 - PILE END BENTS ----- SPECIAL DESIGN
 - 3 - CONCRETE INTERMEDIATE BENTS ----- SPECIAL DESIGN
- 24" TYPE I RIP RAP

DESIGN DATA

- SPECIFICATIONS ----- AASHTO LRFD 6TH EDITION, 2012
- DESIGN VEHICLE LIVE LOAD ----- HL-93
- FUTURE PAVING ALLOWANCE ----- 30 LBS PER SQ FT

UTILITIES

- OVERHEAD UTILITY UPSTREAM SIDE OF EXISTING BRIDGE
- BURIED FIBER OPTIC CABLE UPSTREAM SIDE OF EXISTING BRIDGE

TRAFFIC DATA

- TRAFFIC ----- ADT = 5,600 (2019)
- ADT = 6,800 (2039)
- DESIGN SPEED ----- 65 MPH
- TRUCKS ----- 24 %
- 24 HR TRUCKS ----- 31 %
- DIRECTIONAL ----- 50/50

NOTES

- CROSS-SLOPE - THE PROPOSED BRIDGE DECK IS TO BE BUILT ON A CONSTANT CROSS-SLOPE OF 2.5% SLOPING DOWN TO THE RIGHT.
- DECK DRAINS - DECK DRAINS TO BE PLACED AT 10 FT SPACING ALONG NORTHBOUND OUTSIDE SHOULDER AND SOUTHBOUND INSIDE FACE OF CONCRETE MEDIAN. ELIMINATE DECK DRAINS OVER ENDFILLS.
- BENT LAYOUT - ALL BENTS ARE PARALLEL TO Ⓞ BENT 3.
- BEAM ELEVATION - MINIMUM BOTTOM OF BEAM ELEVATION FOR PROPOSED BRIDGE SHALL BE NO LOWER THAN ELEVATION 157.76.
- BRIDGE REMOVAL - REMOVE EXISTING BRIDGE. REMOVE EXISTING SUBSTRUCTURE AS PER THE SPECIFICATIONS.
- TRAFFIC CONTROLS - TRAFFIC TO BE MAINTAINED BY STAGE CONSTRUCTION. SEE CONSTRUCTION SEQUENCE FOR DETAILS.

BRIDGE SERIAL NO. - 279-0006-0
BRIDGE ID NO. - 279-000040-013.50N
PROJECT PINO. - 522190
BRIDGE NO. 1

DATE		REVISIONS		BY	
GEORGIA DEPARTMENT OF TRANSPORTATION ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES PRELIMINARY LAYOUT S.R. 4 (U.S. 1) OVER ROCKY CREEK TOOMBS COUNTY EDS00-0545-00(025)					
DRAWING NO. 35-001			SCALE: 1" = 20'-0" (UNLESS NOTED)		
BRIDGE SHEET 1 OF 2			OCTOBER 2014		
DESIGNED: CIK	CHECKED: STB	REVIEWED: DLC/WMD	APPROVED: BFR		
DRAWN: CIK	DESIGN GROUP: STB				

1 INCH WHEN PRINTED FULL SIZE