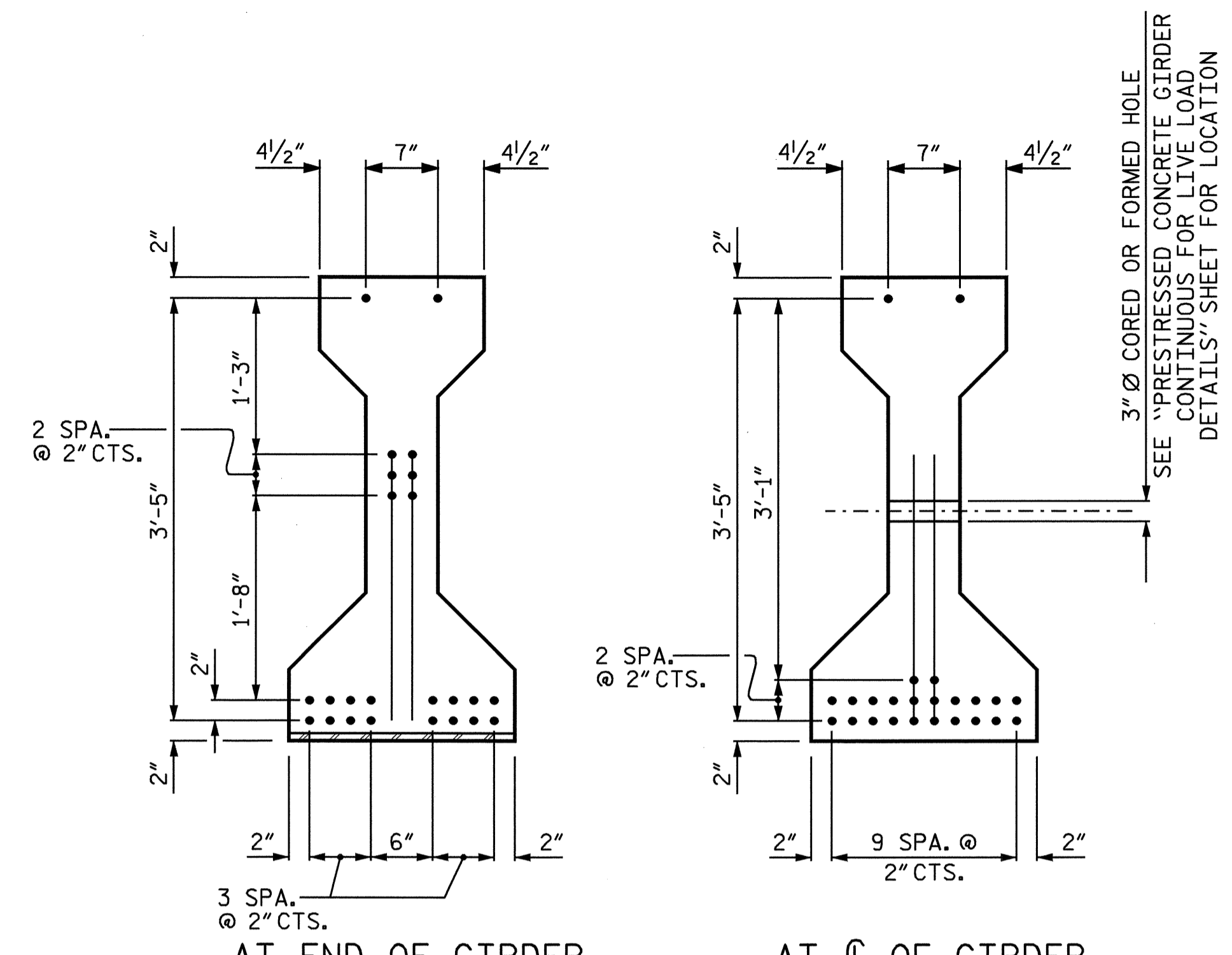
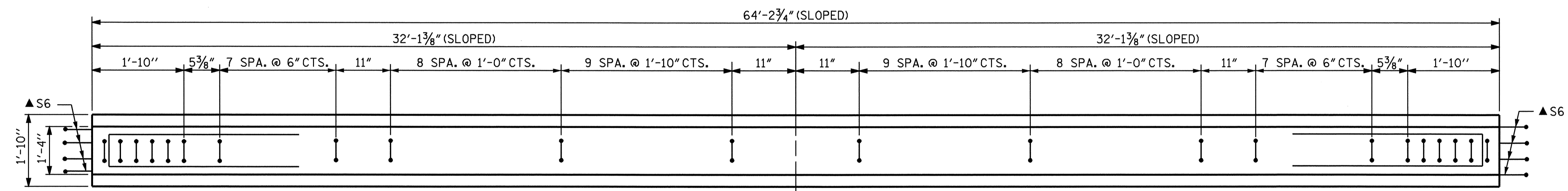


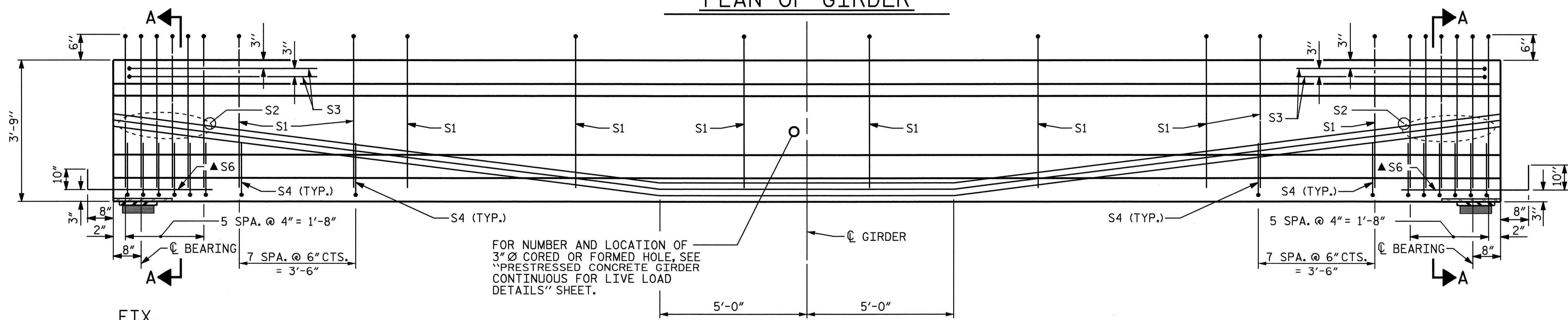
SECTION A-A



1/2" Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



ELEVATION OF GIRDER

1/2" Ø L.R GRADE 270 STRANDS

AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.153	41,300	30,980

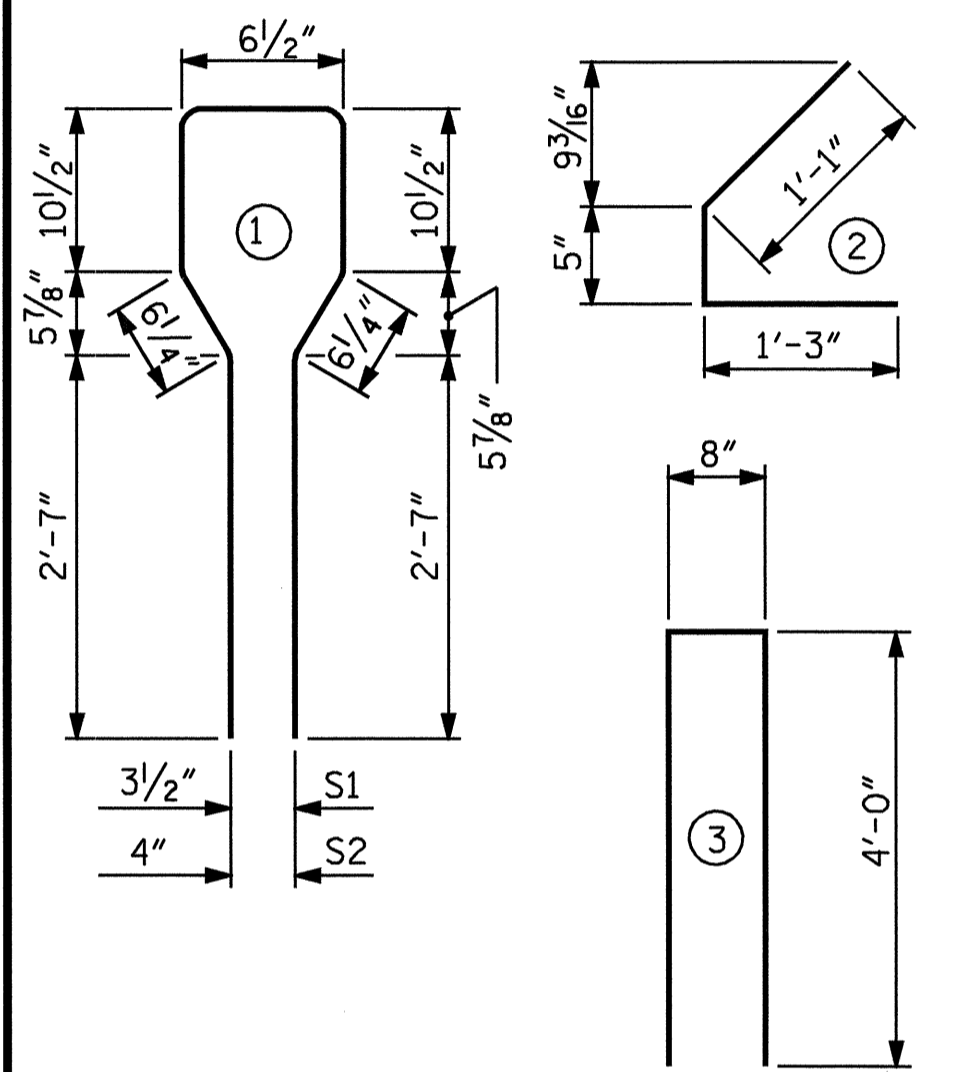
REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	52	#4	1	8'-6"	295
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	56	#4	2	2'-9"	103
▲S6	8	#5	STR	3'-8"	31

▲ NOTE: S6 BARS SHALL BE BENT AFTER GIRDER FABRICATION AND BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT



QUANTITIES FOR ONE GIRDER

REINFORCING STEEL	5000 PSI CONCRETE	1/2" Ø L.R. STRANDS
LB.	C.Y.	No.
605	9.2	24

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
4	64'-2 3/4"	256.92

PROJECT NO. B-3403
 ALLEGHANY COUNTY
 STATION: 15+17.50 -L-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 AASHTO TYPE III
 PRESTRESSED CONCRETE GIRDER
 CONTINUOUS FOR LIVE LOAD
 SPAN "B"

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-11	
1			3			TOTAL SHEETS	
2			4			34	

ASSEMBLED BY : M. ALLEN	DATE : 11/03	CADD STANDARD
CHECKED BY : B.N. GRADY	DATE : 12/03	
DRAWN BY : RB	2/97	REV. 8/16/99 ARB/LES
CHECKED BY : VP	2/97	

