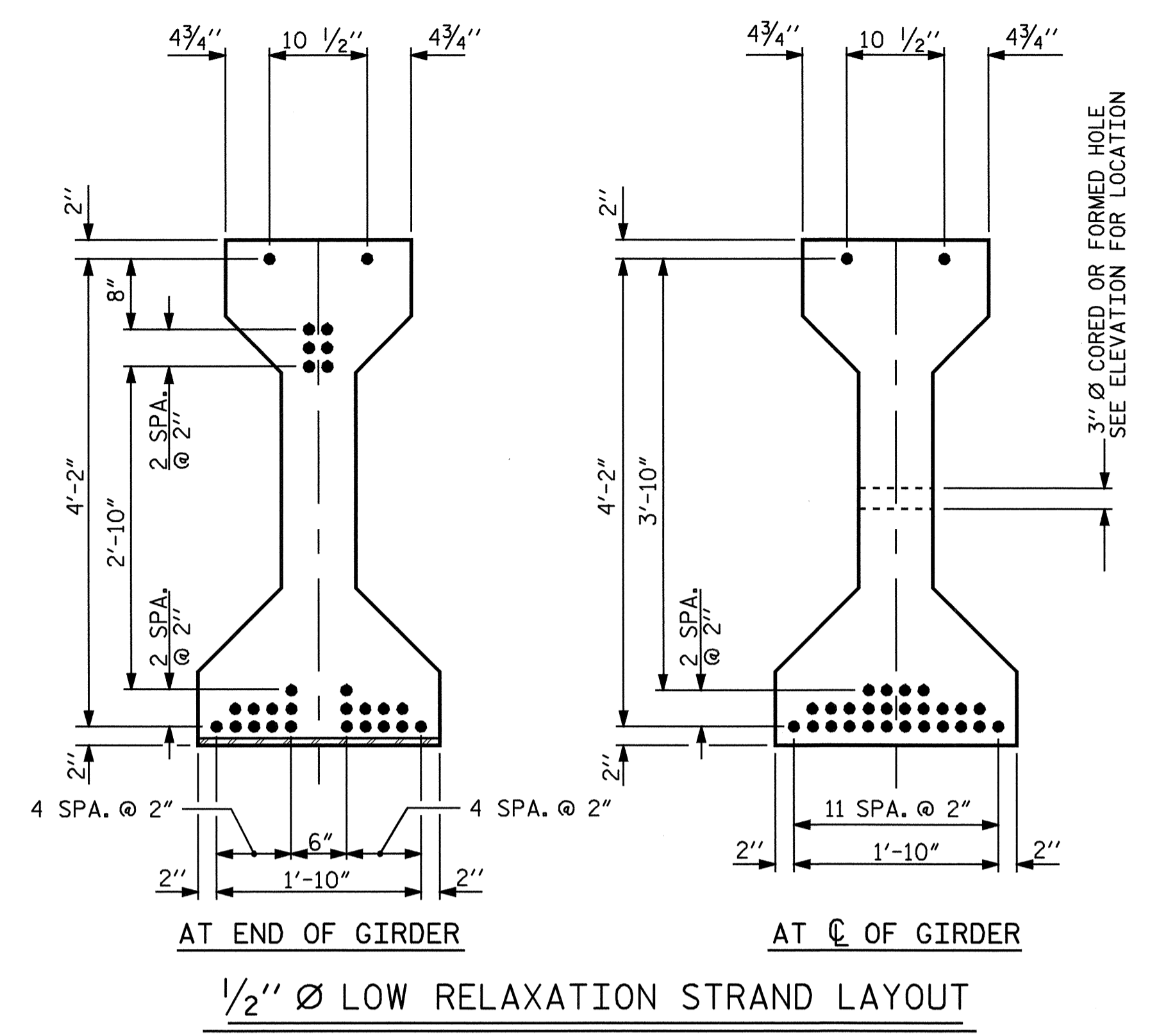


\* FOR S7 BARS, SEE DETAIL "A" OF PRESTRESSED CONCRETE GIRDER CONTINUOUS FOR LIVE LOAD DETAILS SHEET



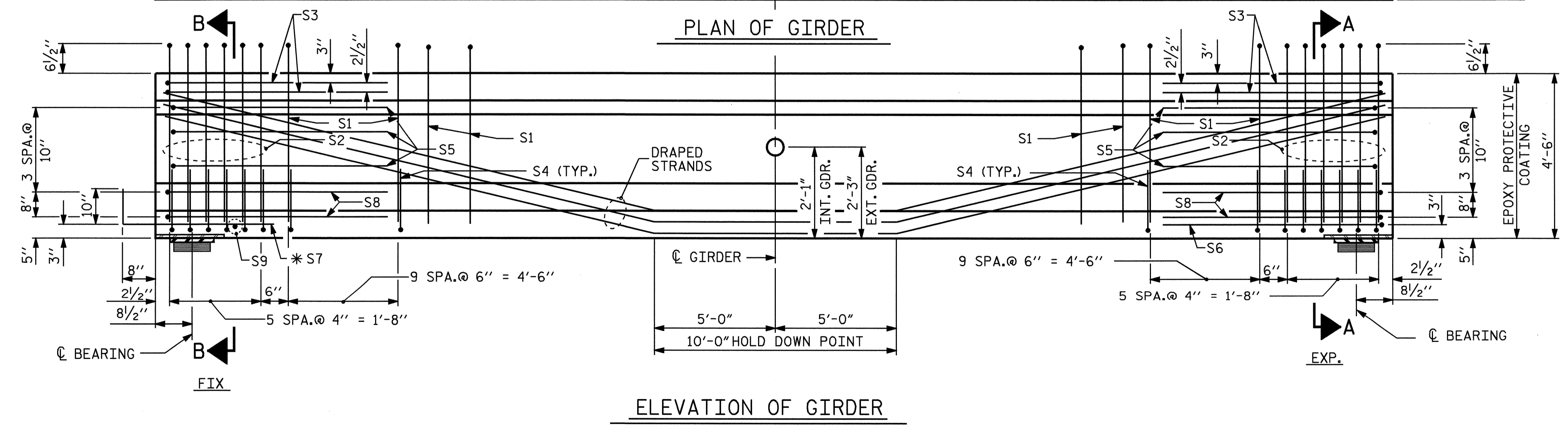
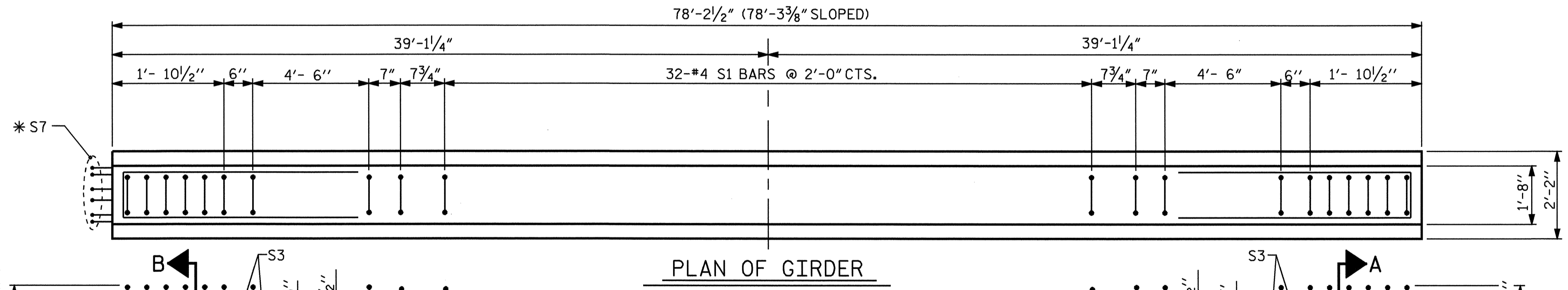
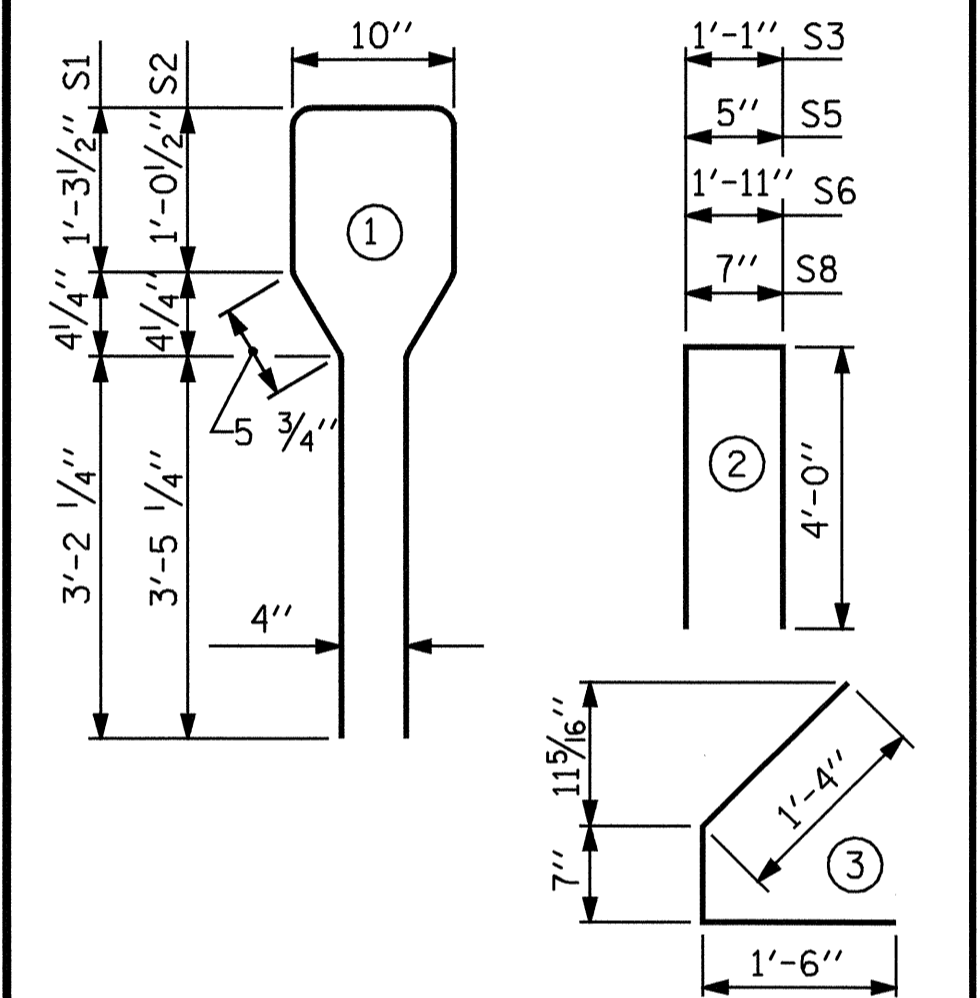
1/2" Ø L. R. GRADE 270 STRANDS		
AREA (SQ. INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.153	41,300	30,980

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	54	#4	1	10'-9"	388
S2	12	#6	1	10'-9"	194
S3	4	#4	2	9'-1"	24
S4	64	#4	3	3'-5"	146
S5	6	#4	2	8'-5"	34
S6	1	#4	2	9'-11"	7
* S7	6	#5	STR	3'-8"	23
S8	4	#4	2	8'-7"	23
S9	1	#3	STR	1'-10"	1

\* NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT



QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL (LB.)	5,000 PSI CONCRETE (C.Y.)	1/2" Ø L.R. STRANDS (No.)
ALL GIRDERS	840	15.9	28

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
4	78'-2 1/2"	312'-10"

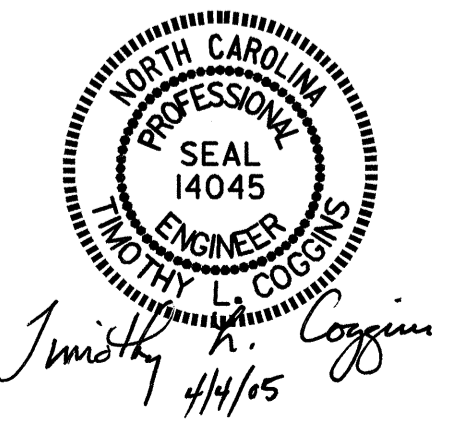
PROJECT NO. B-3828  
CLEVELAND COUNTY  
STATION: 14+65.00 -L-

SHEET 2 OF 3

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

NOVEMBER 1991

REVISIONS					SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-10
1			3			TOTAL SHEETS
2			4			30



ASSEMBLED BY : PEGGY ADKINS DATE : 3-03  
CHECKED BY : T. AVERETTE DATE : 4-03  
DRAWN BY : ELR 8/91 REV. 2/6/97 EEM/RGW  
CHECKED BY : GRP 8/91 REV. 1/17/98 RWW/LES  
REV. 10/17/00 RWW/LES