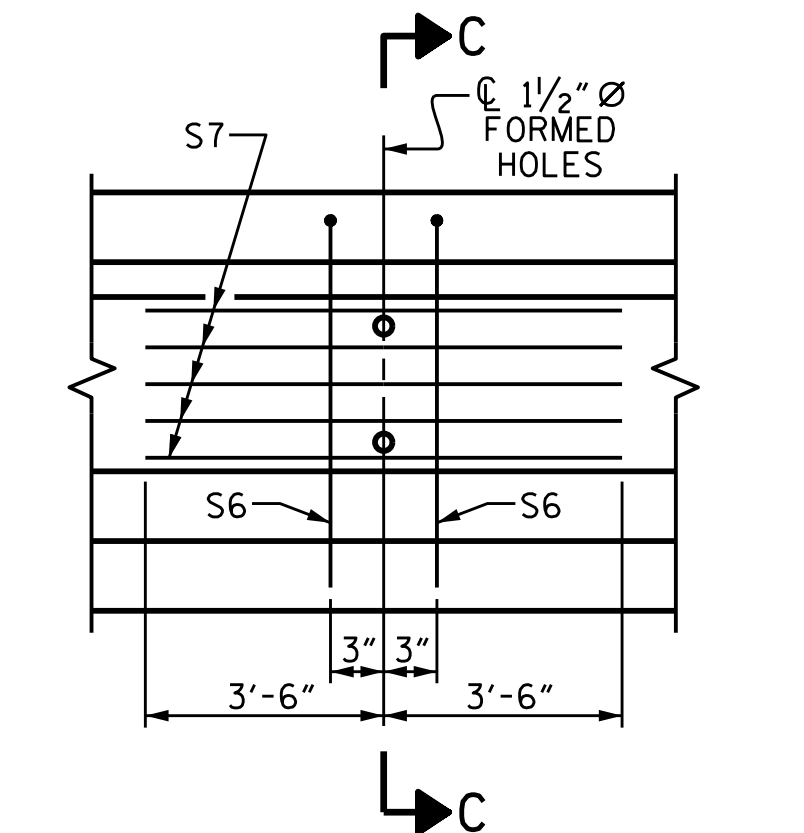


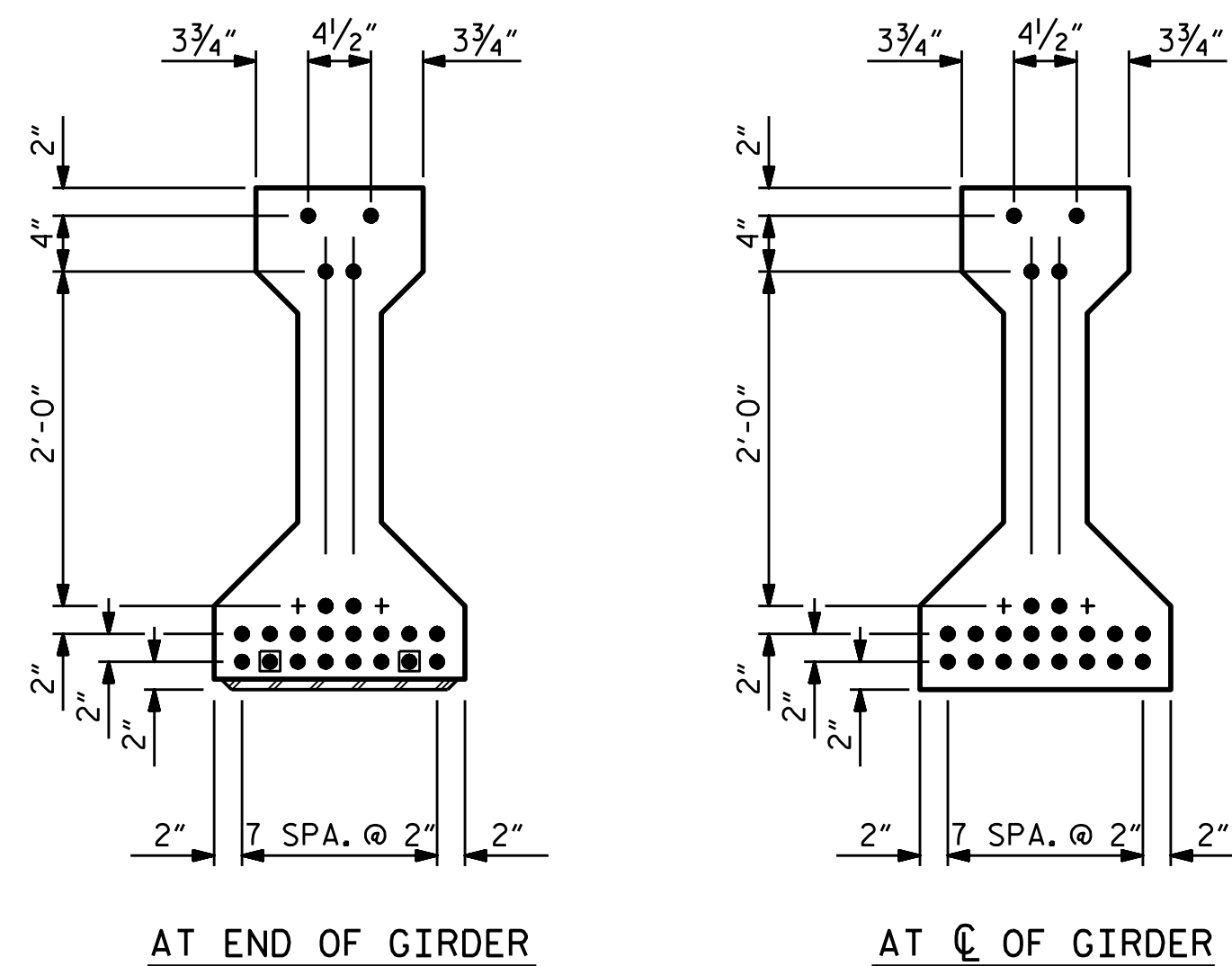
SECTION B-B

SECTION C-C

(S1 BARS NOT SHOWN)



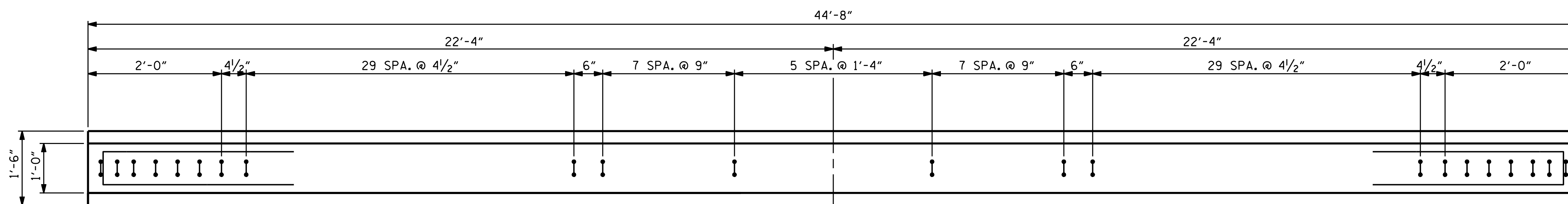
PARTIAL ELEVATION
SHOWING INTERMEDIATE DIAPHRAGM
REINFORCING STEEL FOR GIRDER Nos. 1-4



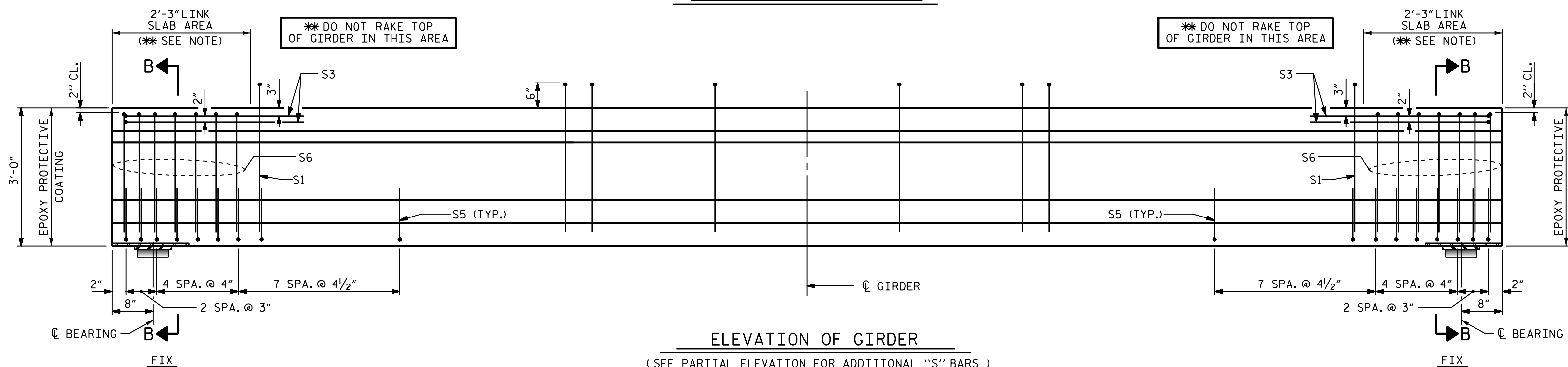
AT END OF GIRDER AT CL OF GIRDER

0.6" Ø LOW RELAXATION STRAND LAYOUT

■ STRANDS DEBONDED 12'-0" FROM END OF GIRDER



PLAN OF GIRDER



ELEVATION OF GIRDER
(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)

0.6" Ø L. R. GRADE 270 STRANDS

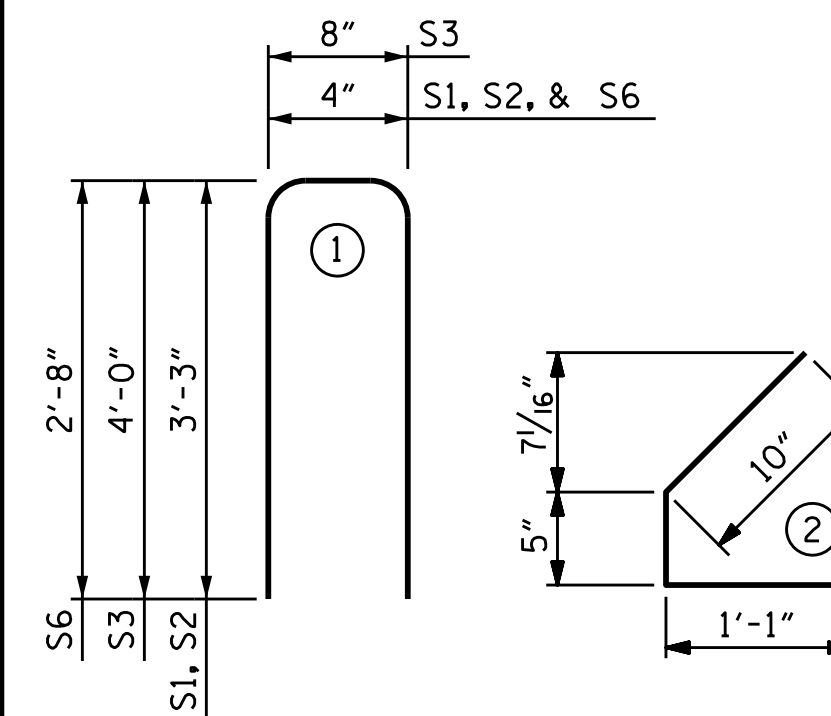
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL
FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	80	#4	1	6'-10"	365
S3	4	#4	1	8'-8"	23
S5	56	#4	2	2'-4"	87
S6	16	#5	1	5'-8"	95
S7	5	#4	STR	7'-0"	23

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT



QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL LB.	7500 PSI CONCRETE C.Y.	0.6" Ø L. R. STRANDS No.
	593	4.2	22

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
4	44'-8"	178'-8"

PROJECT NO. B-5236
NEW HANOVER COUNTY
STATION: 15+64.40 -L-

SHEET 2 OF 4



Designed by:
Greg Dickey
8/1/2017

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

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

REVISIONS				SHEET NO.
NO.	BY	DATE	NO.	DATE
1			3	
2			4	

DESIGN ENGINEER OF RECORD: A. K. PATEL	DATE: 06/17
ASSEMBLED BY: William J. Parker	DATE: 07/16
CHECKED BY: J. P. ADAMS	DATE: 08/16
DRAWN BY: ELR 8/91	REV. 5/1/06R TLA/GM
CHECKED BY: GRP 8/91	REV. 10/1/11 MAA/GM
	REV. 1/15 MAA/TMG