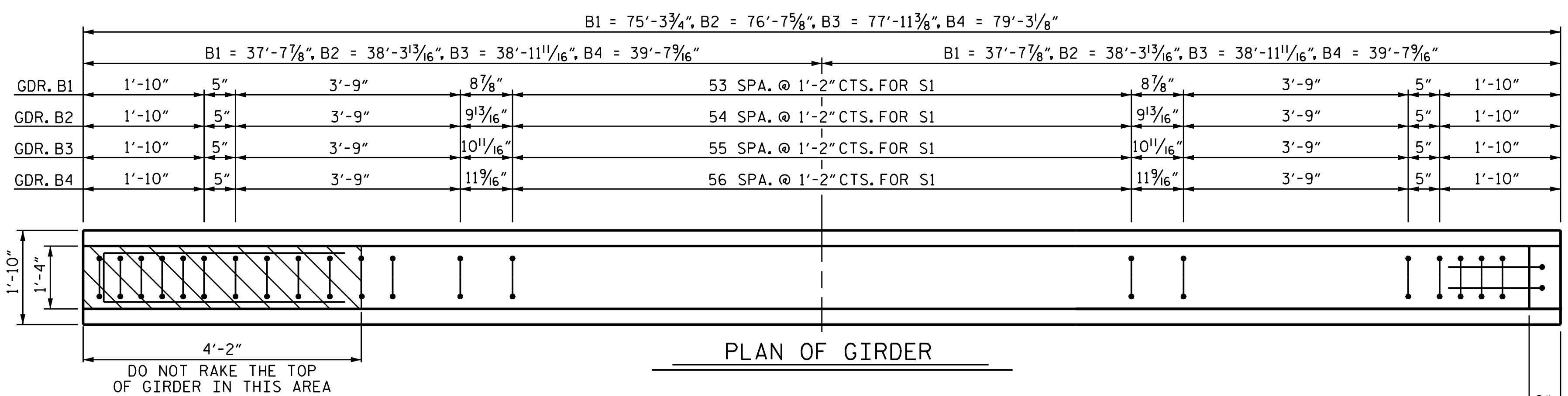
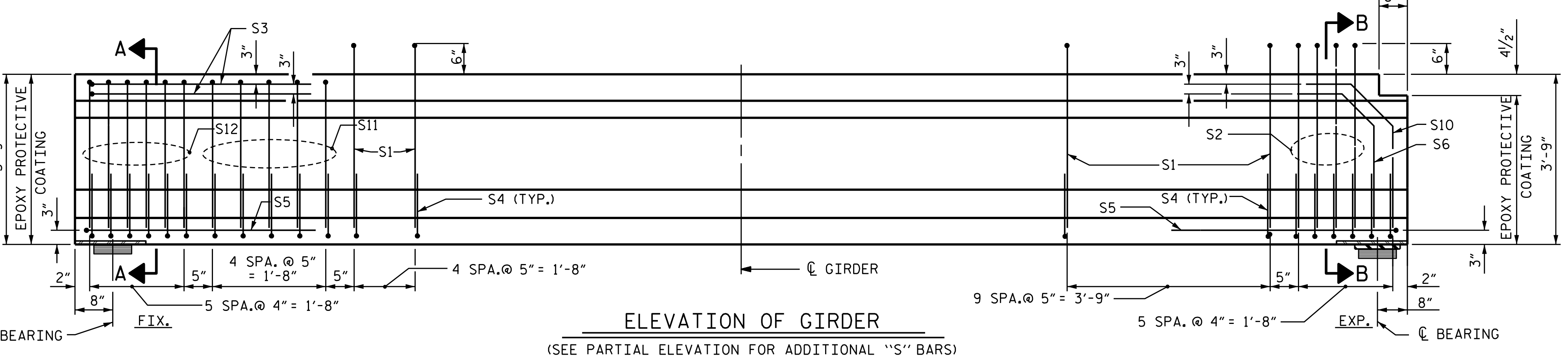
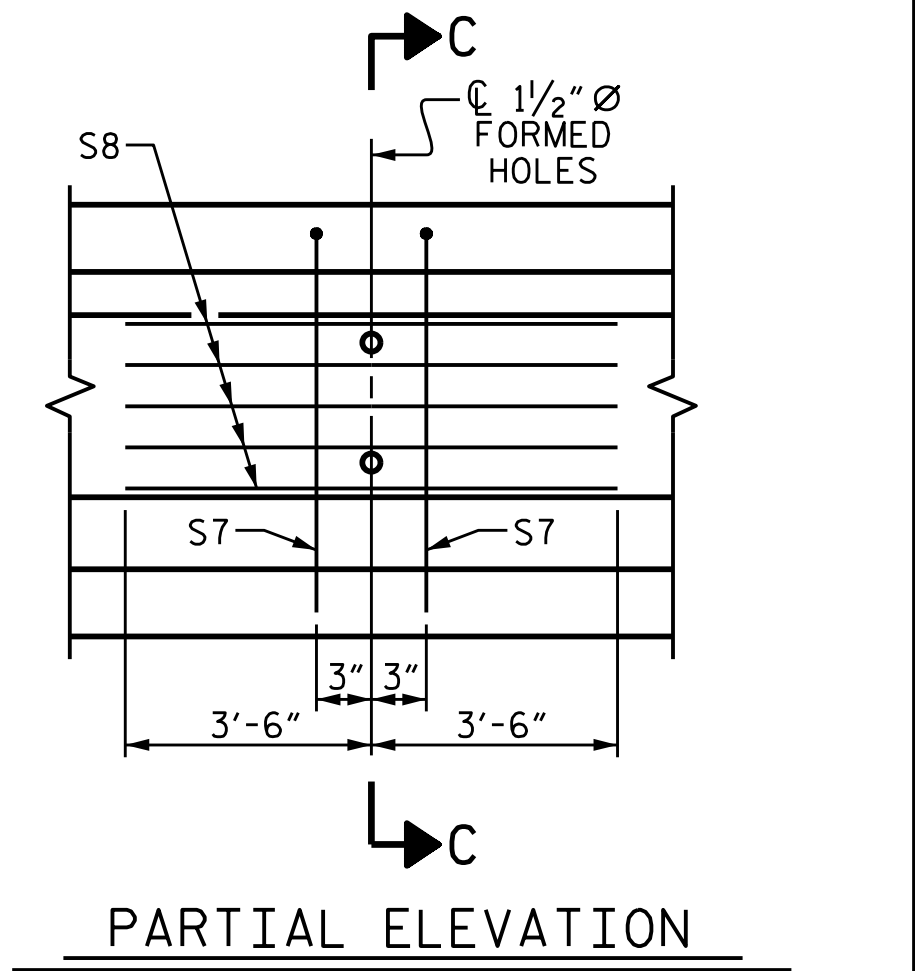
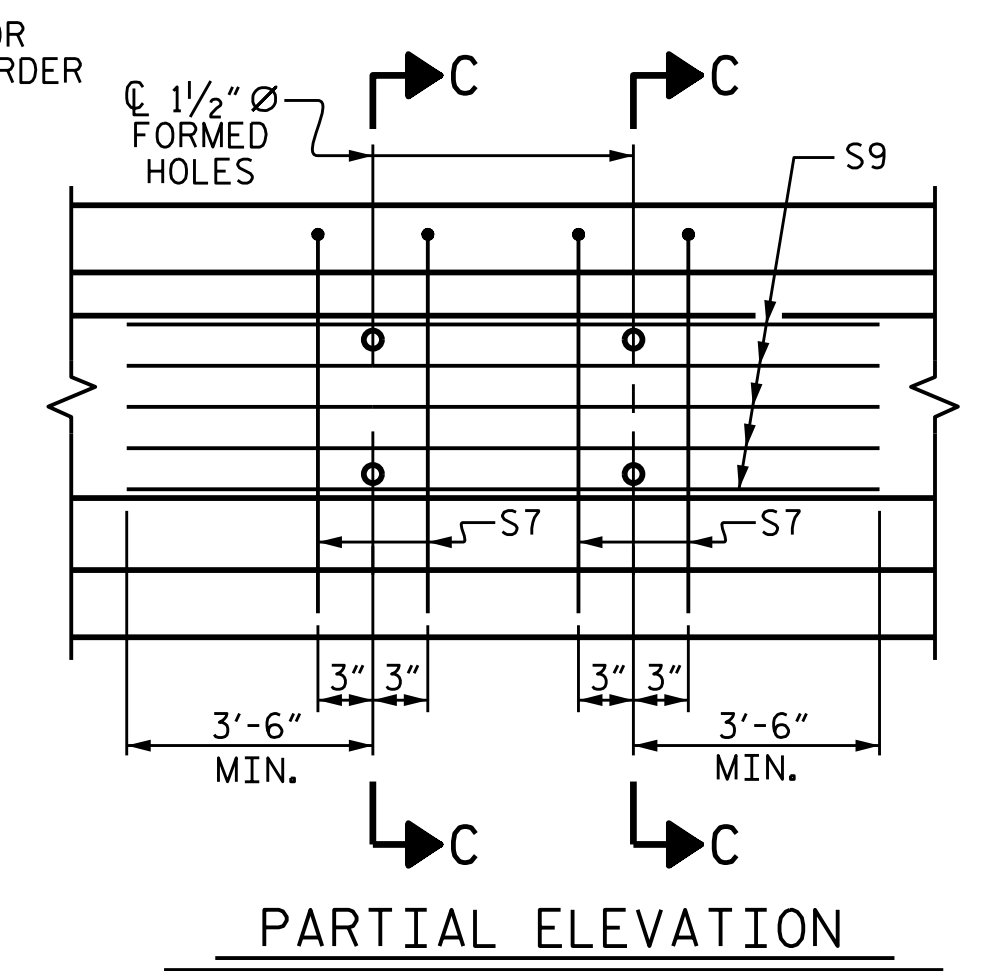


0.6" Ø L. R. GRADE 270 STRANDS					
AREA	ULTIMATE STRENGTH	APPLIED PRESTRESS			
(SQUARE INCHES)	(LBS. PER STRAND)	(LBS. PER STRAND)			
0.217	58,600	43,950			
REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
GDR. B1	S1	#4	1	8'-6"	392
GDR. B2	S1	#4	1	8'-6"	397
GDR. B3	S1	#4	1	8'-6"	403
GDR. B4	S1	#4	1	8'-6"	409
	S2	#4	1	8'-6"	51
	S3	#6	3	8'-8"	12
	S4	#4	2	2'-9"	118
	S5	#4	3	9'-6"	13
	S6	#6	4	4'-6"	14
GDR. B1	S7	#5	3	7'-2"	15
GDR. B2	S7	#5	3	7'-2"	30
GDR. B3	S7	#5	3	7'-2"	30
GDR. B4	S7	#5	3	7'-2"	15
GDR. B1	S8	#4	STR	7'-0"	23
GDR. B2	S9	#4	STR	12'-3"	41
GDR. B3	S9	#4	STR	12'-3"	41
GDR. B4	S8	#4	STR	7'-0"	23
	S10	#6	4	4'-8"	14
	S11	#4	1	7'-2"	24
	S12	#6	1	7'-2"	65



DEBONDING LEGEND

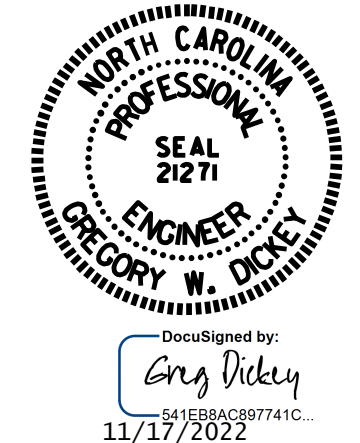
- FULLY BONDED STRANDS
- ▲ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 8'-0" FROM END OF GIRDER



QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	7500 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
GIRDER B1	741	10.8	28
GIRDER B2	779	11.0	28
GIRDER B3	785	11.2	28
GIRDER B4	758	11.4	28

GIRDERS REQUIRED	
	TOTAL LENGTH
GIRDER B1	75'-3 3/4"
GIRDER B2	76'-7 5/8"
GIRDER B3	77'-11 3/8"
GIRDER B4	79'-3 1/8"
	309'-1 1/8"

Prepared in the Office of:
SUMMIT
 DESIGN AND ENGINEERING SERVICES
 NC FIRM LICENSE No: P-0339
 1110 Navaho Drive, Suite 600
 Raleigh, NC 27609
 Ph: 919-322-0115 Fax: 919-322-0116
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PROJECT NO. B-5989
MADISON COUNTY
 STATION: 16+18.00 -L-
 SHEET 2 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**AASHTO TYPE III
 PRESTRESSED
 CONCRETE GIRDER
 FOR LINK SLAB**
 (SPAN B)

DRAWN BY : NEIL C. ROHRBAUGH DATE : 11/19
 CHECKED BY : KEITH D. LAYNE DATE : 11/19
 DESIGN ENGINEER OF RECORD: G. DICKEY DATE : 6/29/22

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

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

TOTAL SHEETS: **35**