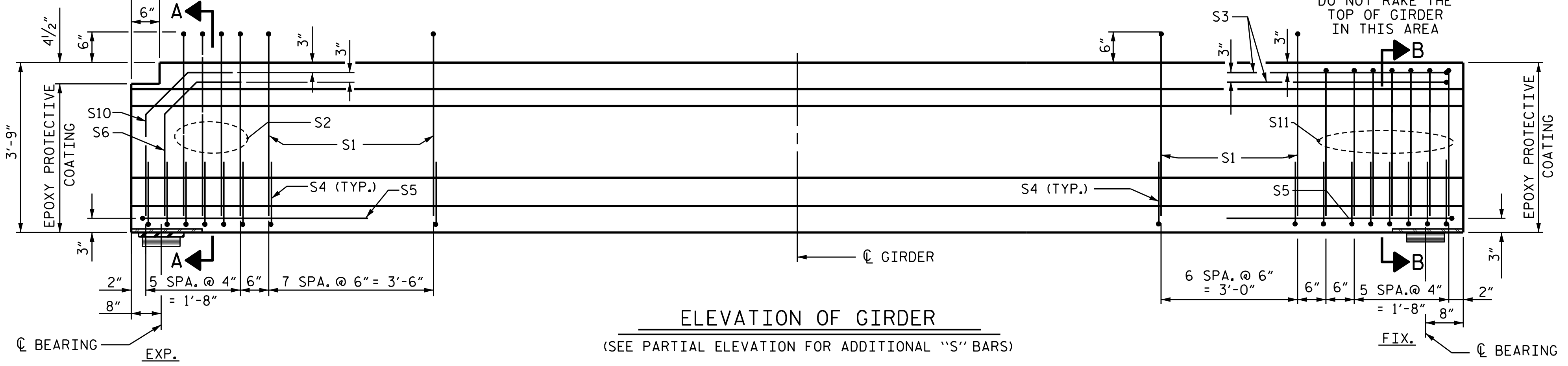
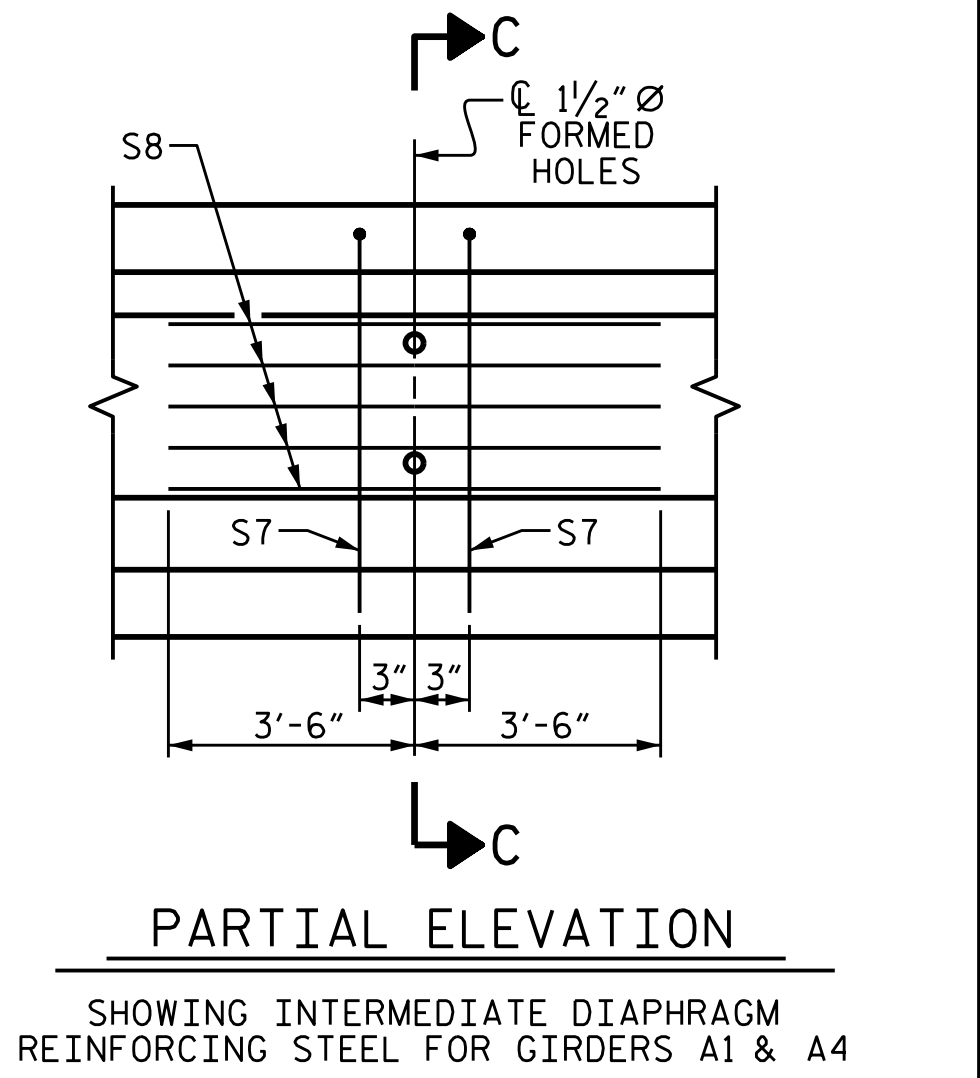
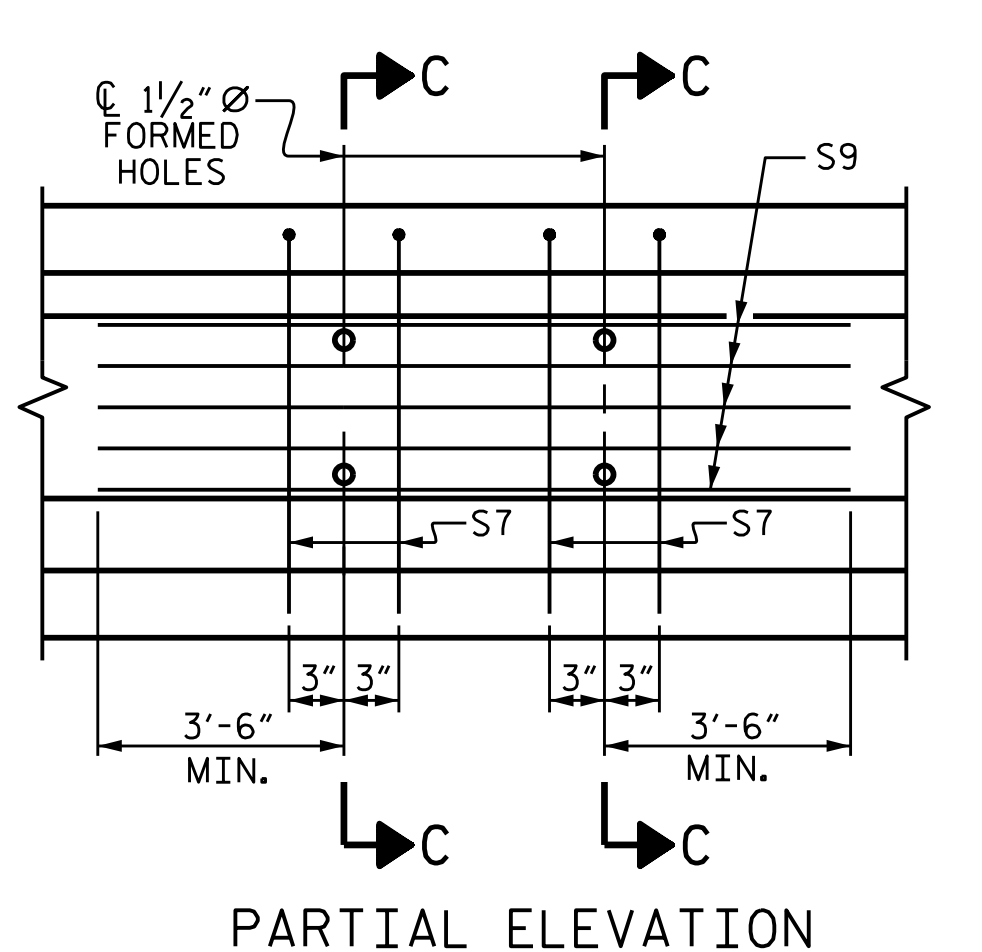
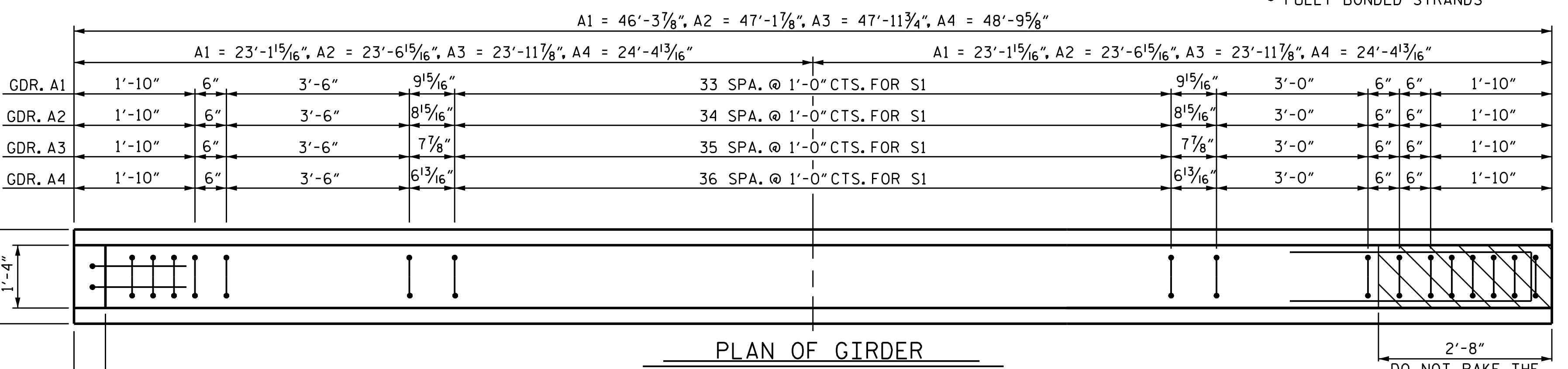


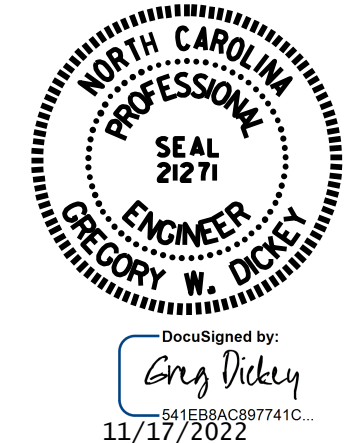
0.6" Ø L. R. GRADE 270 STRANDS					
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)			
0.217	58,600	43,950			
REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
GDR. A1	S1	#4	1	8'-6"	278
GDR. A2	S1	#4	1	8'-6"	284
GDR. A3	S1	#4	1	8'-6"	290
GDR. A4	S1	#4	1	8'-6"	295
	S2	#4	1	8'-6"	51
	S3	#4	3	8'-8"	12
	S4	#4	2	2'-9"	103
	S5	#4	3	9'-6"	13
	S6	#6	4	4'-6"	14
GDR. A1	S7	#5	3	7'-2"	15
GDR. A2	S7	#5	3	7'-2"	30
GDR. A3	S7	#5	3	7'-2"	41
GDR. A4	S7	#5	3	7'-2"	15
GDR. A1	S8	#4	STR	7'-0"	23
GDR. A2	S9	#4	STR	12'-3"	41
GDR. A3	S9	#4	STR	12'-3"	41
GDR. A4	S8	#4	STR	7'-0"	23
	S10	#6	4	4'-8"	14
	S11	#6	1	7'-2"	75



QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	5000 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
GIRDER A1	598	6.7	12
GIRDER A2	637	6.8	12
GIRDER A3	643	6.9	12
GIRDER A4	615	7.0	12

GIRDERS REQUIRED	
	TOTAL LENGTH
GIRDER A1	46'-3 3/8"
GIRDER A2	47'-1 7/8"
GIRDER A3	47'-11 3/4"
GIRDER A4	48'-9 5/8"
TOTAL	190'-3 3/8"

Prepared in the Office of:  
  
 NC FIRM LICENSE No: P-0339  
 1110 Navaho Drive, Suite 600  
 Raleigh, NC 27609  
 Ph: 919-322-0115 Fax: 919-322-0116  
 www.summitde.com



PROJECT NO. B-5989  
MADISON COUNTY  
 STATION: 16+18.00 -L-  
 SHEET 1 OF 3

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

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