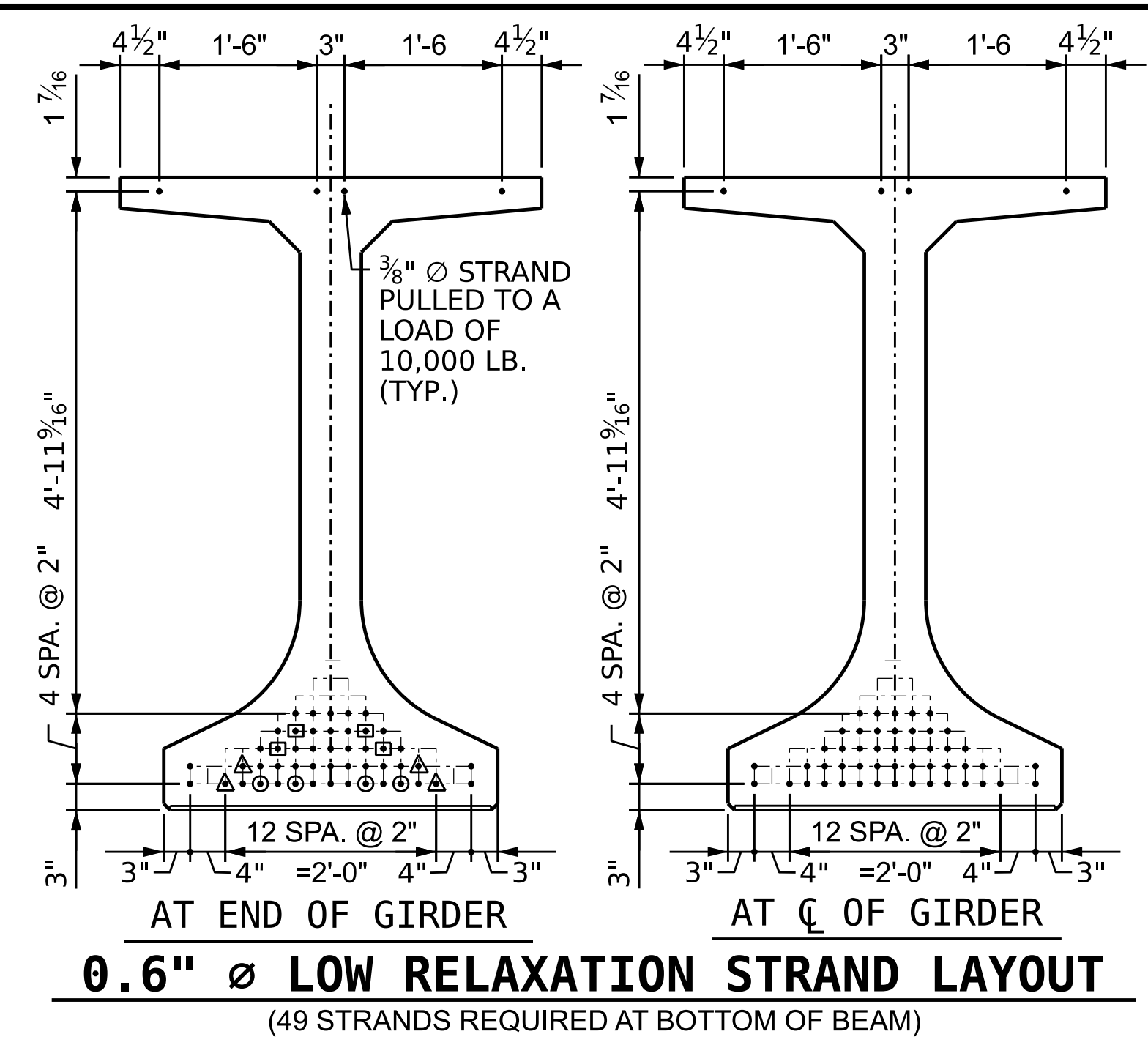
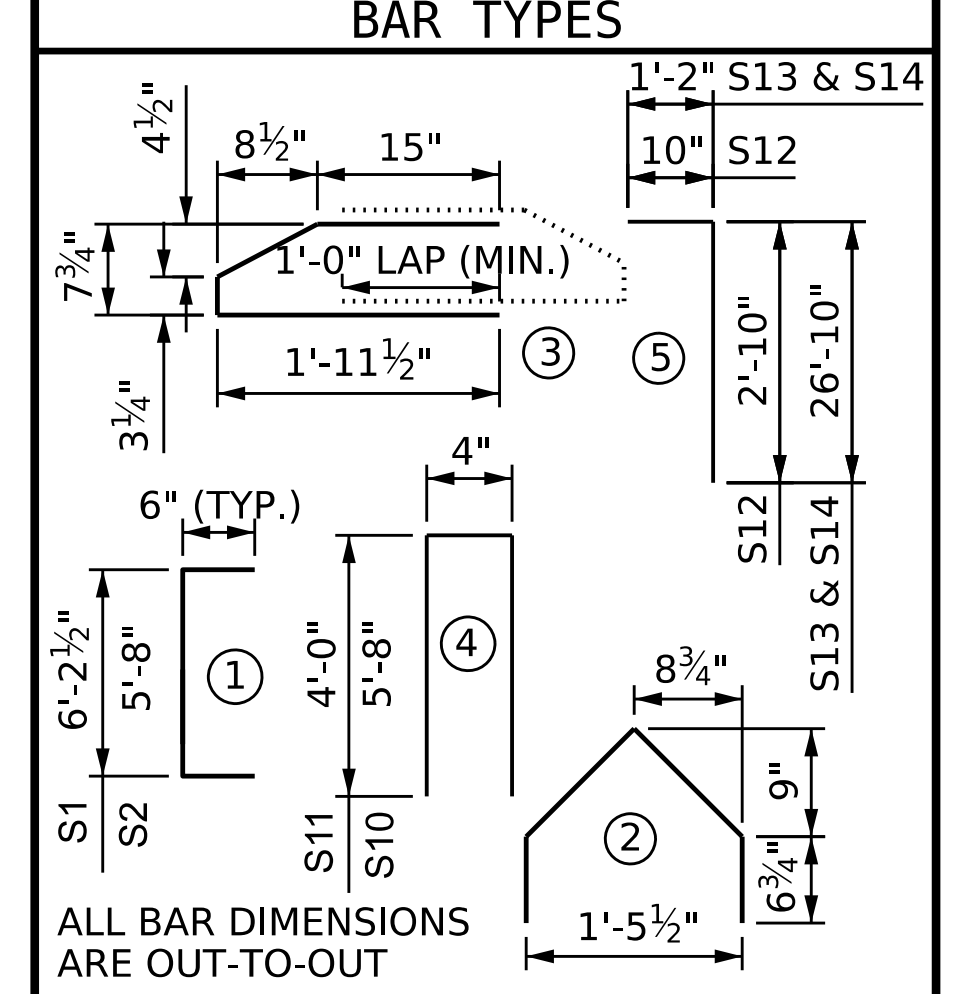


- DEBONDING LEGEND**
- FULLY BONDED STRANDS
 - STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER
 - STRANDS DEBONDED FOR 8'-0" FROM END OF GIRDER
 - STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER



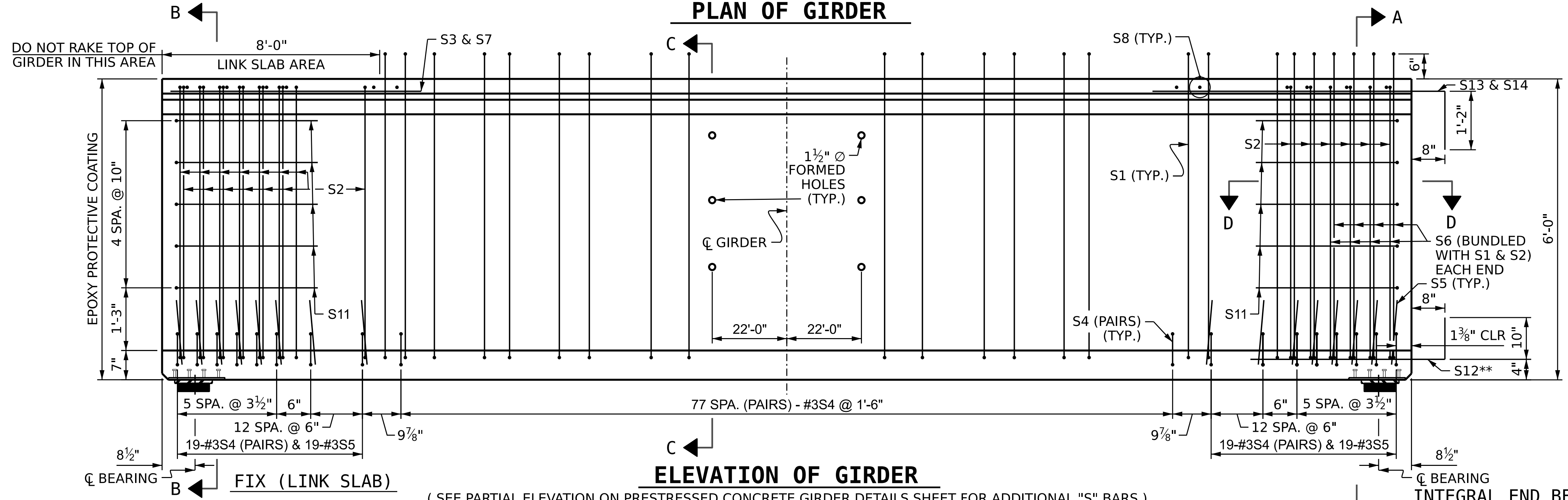
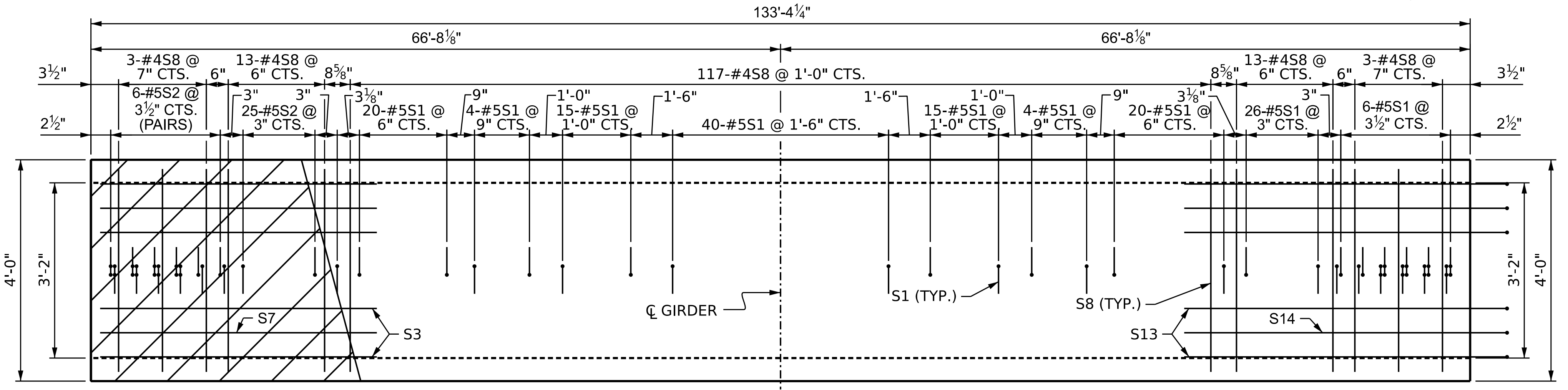
0.6" Ø L.R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER					
BAR NUMBER	SIZE	TYPE	LENGTH	WEIGHT	
S1	151	#5	1	7'-2"	1129
S2	43	#5	1	6'-8"	299
S3	4	#6	STR	26'-0"	156
S4	232	#3	3	4'-3"	371
S5	38	#3	2	3'-3"	46
S6	16	#5	STR	5'-6"	92
S7	2	#7	STR	26'-0"	106
S8	149	#4	STR	3'-8"	365
S9	16	#4	STR	8'-0"	86
S10	8	#5	4	11'-8"	97
S11	10	#4	4	6'-4"	42
S12	10	#5	5	3'-8"	38
S13	4	#6	5	28'-0"	168
S14	2	#7	5	28'-0"	114



QUANTITIES FOR ONE GIRDER		
REINFORCING STEEL	8,500 PSI CONCRETE	0.6" Ø L.R. STRANDS
LB.	C.Y.	No.
3109	36.3	49

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
2	133'-4 1/4"	266'-8 1/2"



PROJECT NO. B-4442
BUNCOMBE COUNTY
 STATION: 315+72.39 -L-
 SHEET 4 OF 4

AECOM
 AECOM TECHNICAL SERVICES OF NC, INC.
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 AECOM License No. FC6242

STATE OF NORTH CAROLINA
 PROFESSIONAL SEAL
 035062
 JOHN E. SLOAN
 ENGINEER

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
72" FLORIDA I-BEAM (FIB)					
PRESTRESSED CONCRETE GIRDER					
SPAN B EXTERIOR GIRDER					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					S-23
					TOTAL SHEETS 58

DRAWN BY: A.R. VAN VUREN DATE: 05/2022
 CHECKED BY: D.S. TUTTLE DATE: 05/2022
 DESIGN ENGINEER OF RECORD: J.E. SLOAN DATE: 05/2022

(SEE NOTES 1 & 2 ON PRESTRESSED CONCRETE GIRDER DETAILS SHEET)
 **FOR S12 BARS, SEE DETAIL "A" ON PRESTRESSED CONCRETE GIRDER DETAILS SHEET

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED