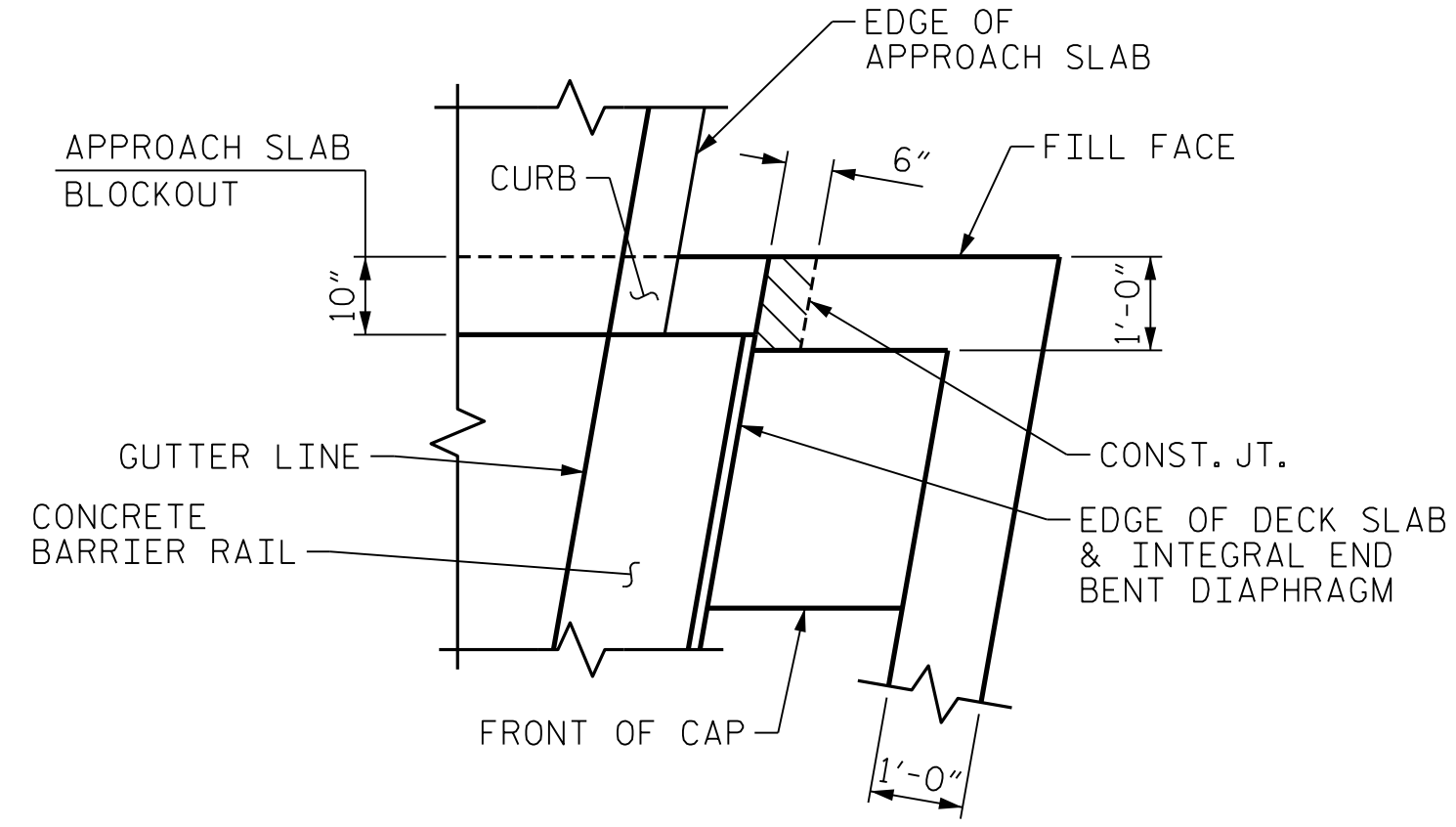
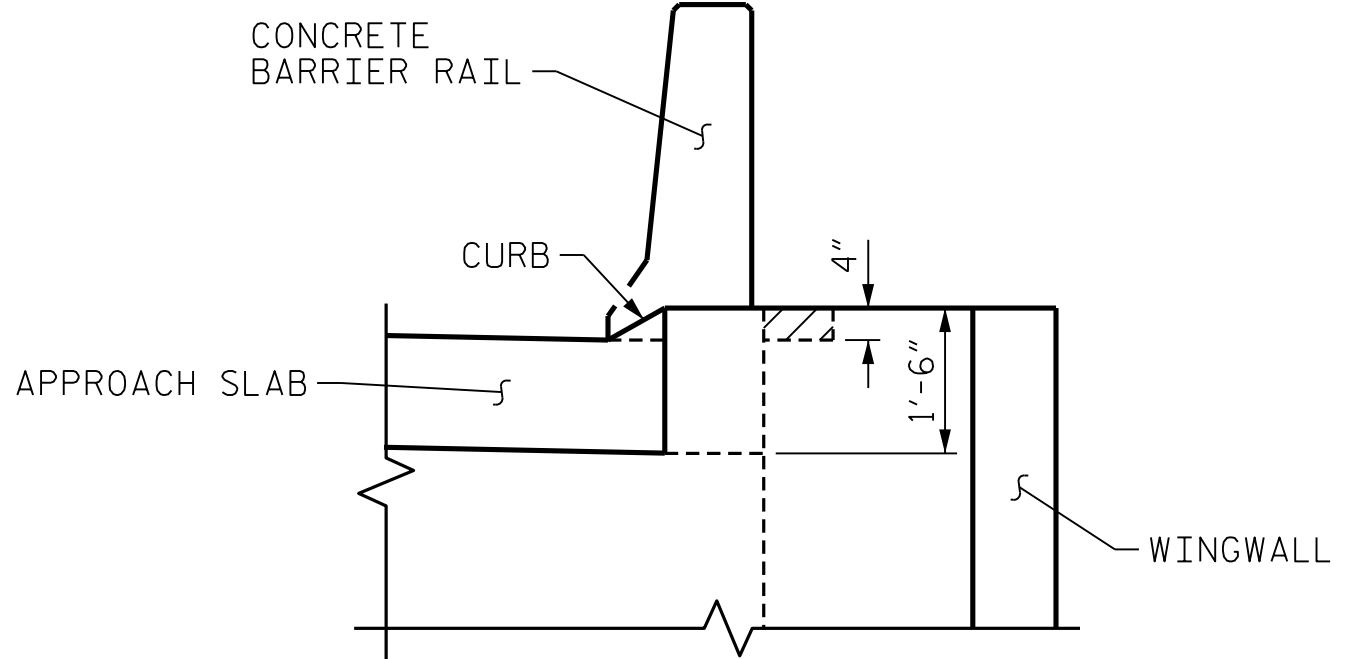


SECTION A-A



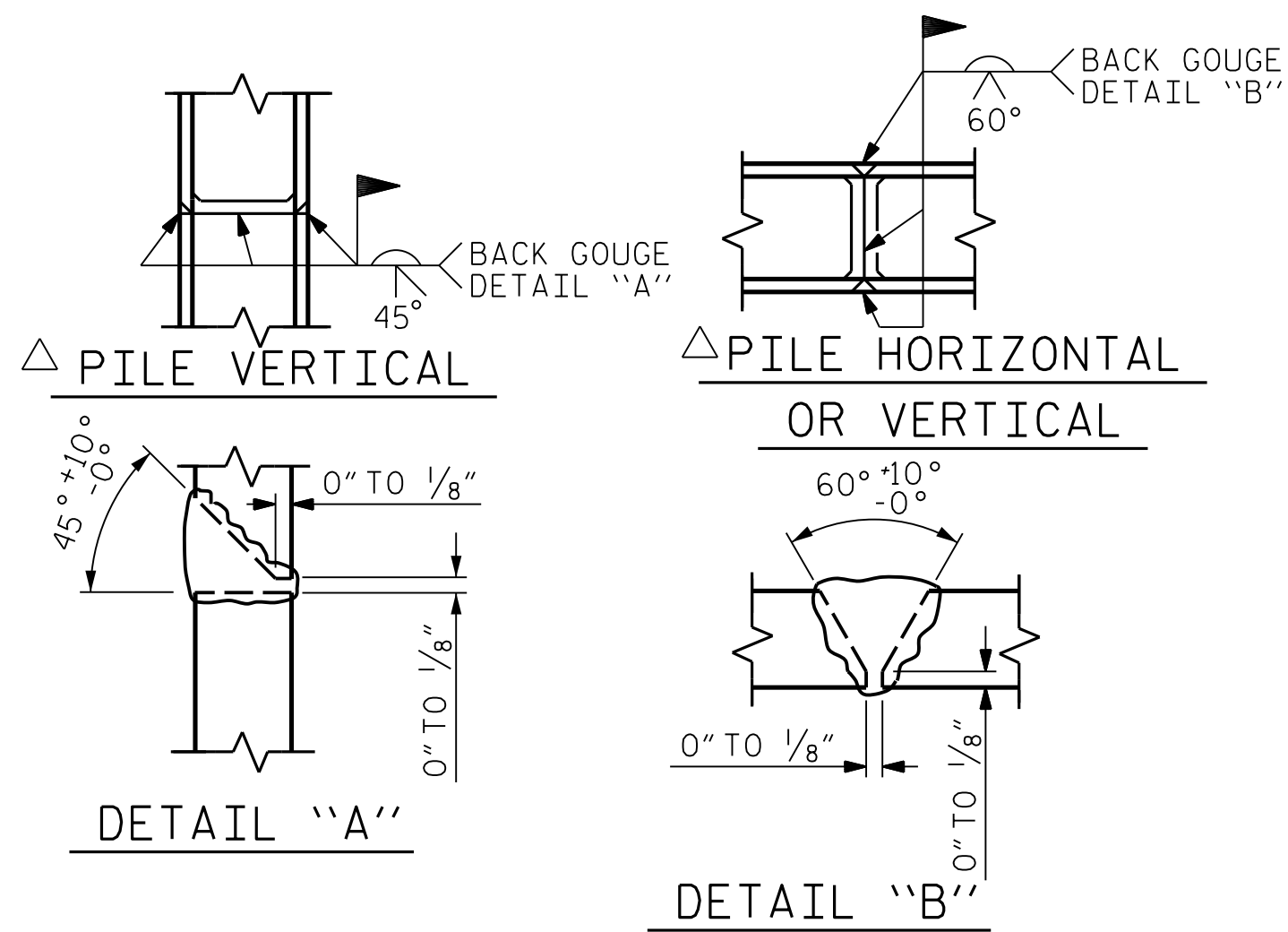
PLAN



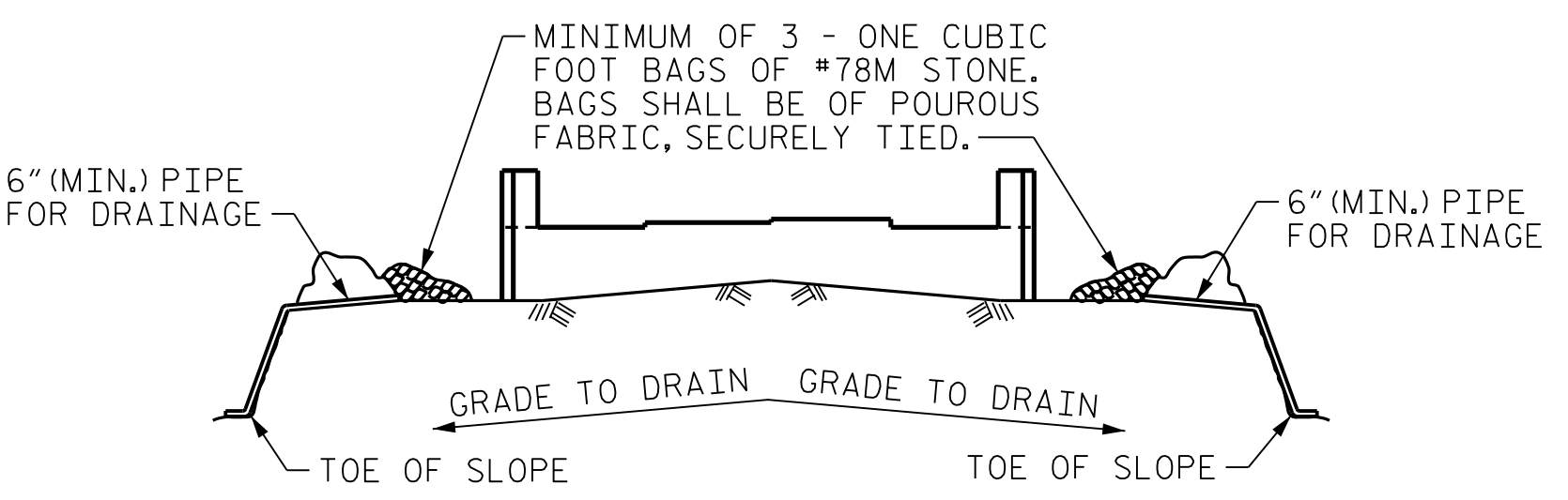
ELEVATION

WINGWALL BLOCKOUT

THE CONCRETE IN THE SHADED AREA SHALL BE POURED AFTER THE JOINT BETWEEN THE DECK AND APPROACH SLAB HAS BEEN SAWED AND THE CONCRETE PARAPET IS CAST IF SLIP FORMING IS USED.



PILE SPLICE DETAILS

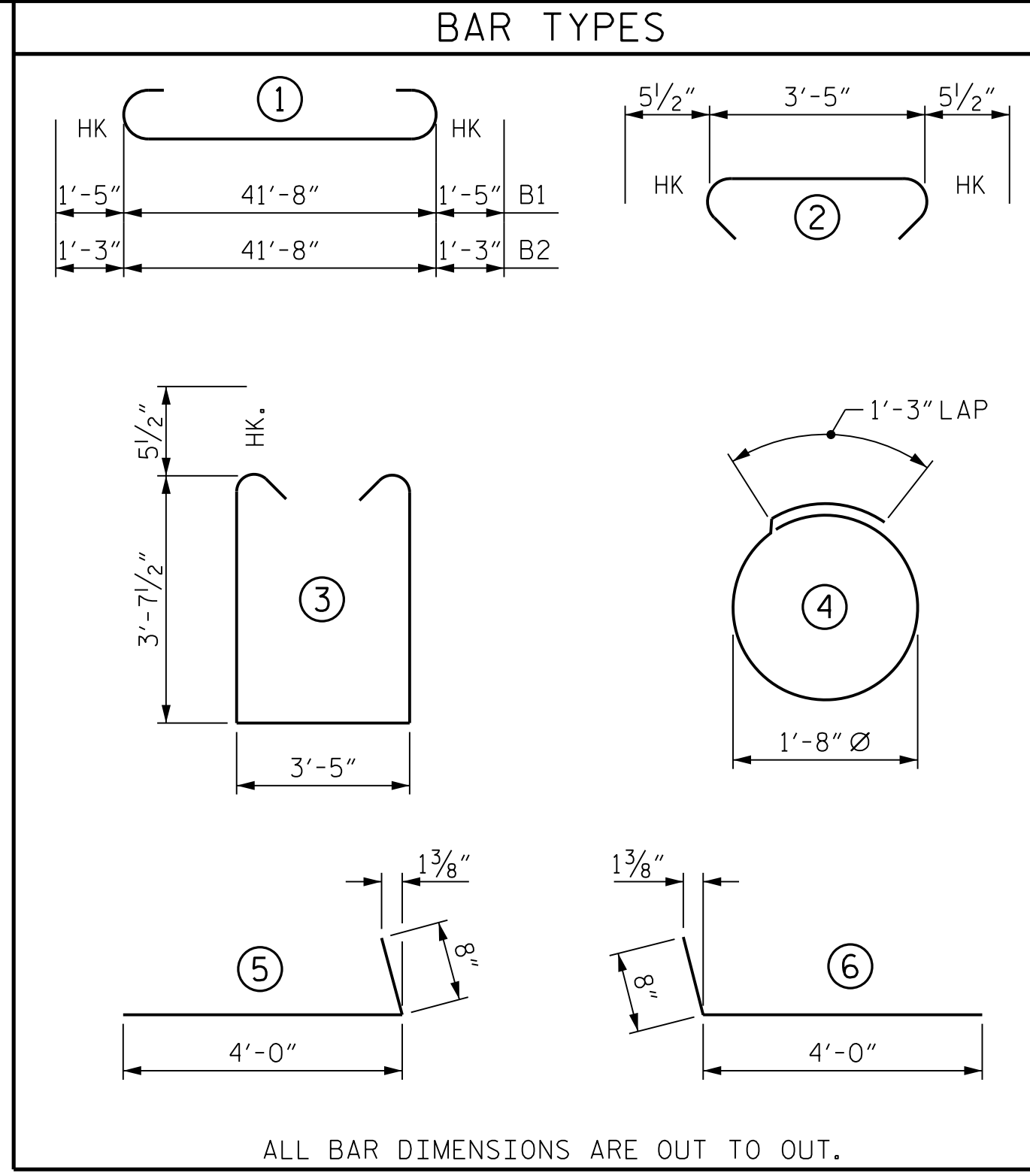


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR EFFECTIVENESS.

NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT



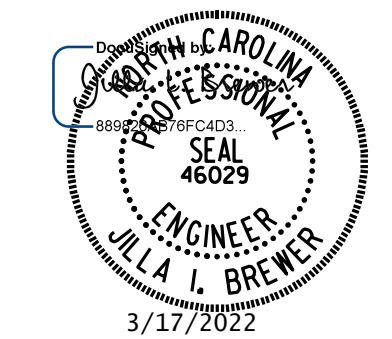
ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
END BENT 2					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	#4	#10	1	44'-6"	766
B2	5	#9	1	44'-2"	751
B3	6	#5	STR	41'-8"	261
B4	8	#4	STR	22'-1"	118
B5	11	#4	STR	3'-5"	25
H1	24	#4	6	4'-8"	75
H2	48	#4	STR	5'-3"	168
H3	24	#4	5	4'-8"	75
K1	28	#4	STR	2'-9"	51
S1	41	#5	3	11'-7"	495
S2	41	#5	2	4'-4"	185
S3	24	#4	4	6'-6"	104
V1	54	#4	STR	6'-0"	216
V2	44	#4	STR	9'-5"	277
REINFORCING STEEL					3,567 LBS.
CLASS A CONCRETE BREAKDOWN					
POUR #1 (CAP & LOWER PART OF WINGS)				24.8	C.Y.
POUR #2 (UPPER PART OF WINGS)				3.9	C.Y.
TOTAL				28.7	C.Y.

PROJECT NO. I-5987B
 ROBESON COUNTY
 STATION: 29+70.72 -Y7-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 END BENT 2
 DETAILS AND
 BILL OF MATERIAL



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

MI ENGINEERING
 1011 SCHAUB DRIVE, SUITE 100
 RALEIGH, NC 27606
 (919) 851-6606
 FIRM PE NUMBER: P-0671

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

SHEET NO. S10-30
 TOTAL SHEETS 33

DRAWN BY: B.E. LANNING DATE: 07/2021
 CHECKED BY: J.I. BREWER DATE: 07/2021
 DESIGN ENGINEER OF RECORD: J.I. BREWER DATE: 03/2022

3/17/2022 9:51:15 AM User: blanning
 Filename: N:\NC Bridges\202003 I-5987A&B I-95\I5987B\Structures\410-059-I5987B-SMU.E2C-770167.dgn