

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.

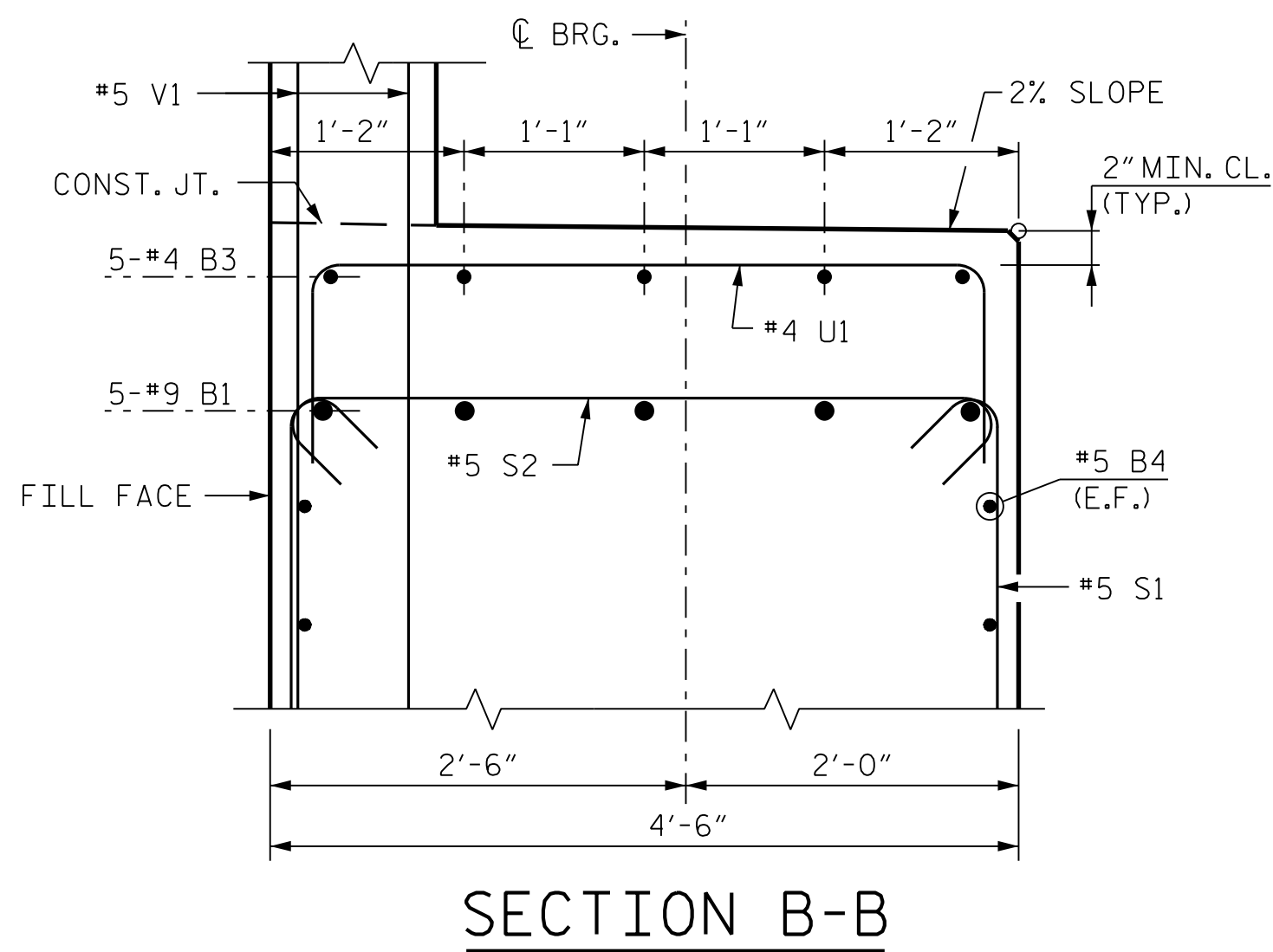
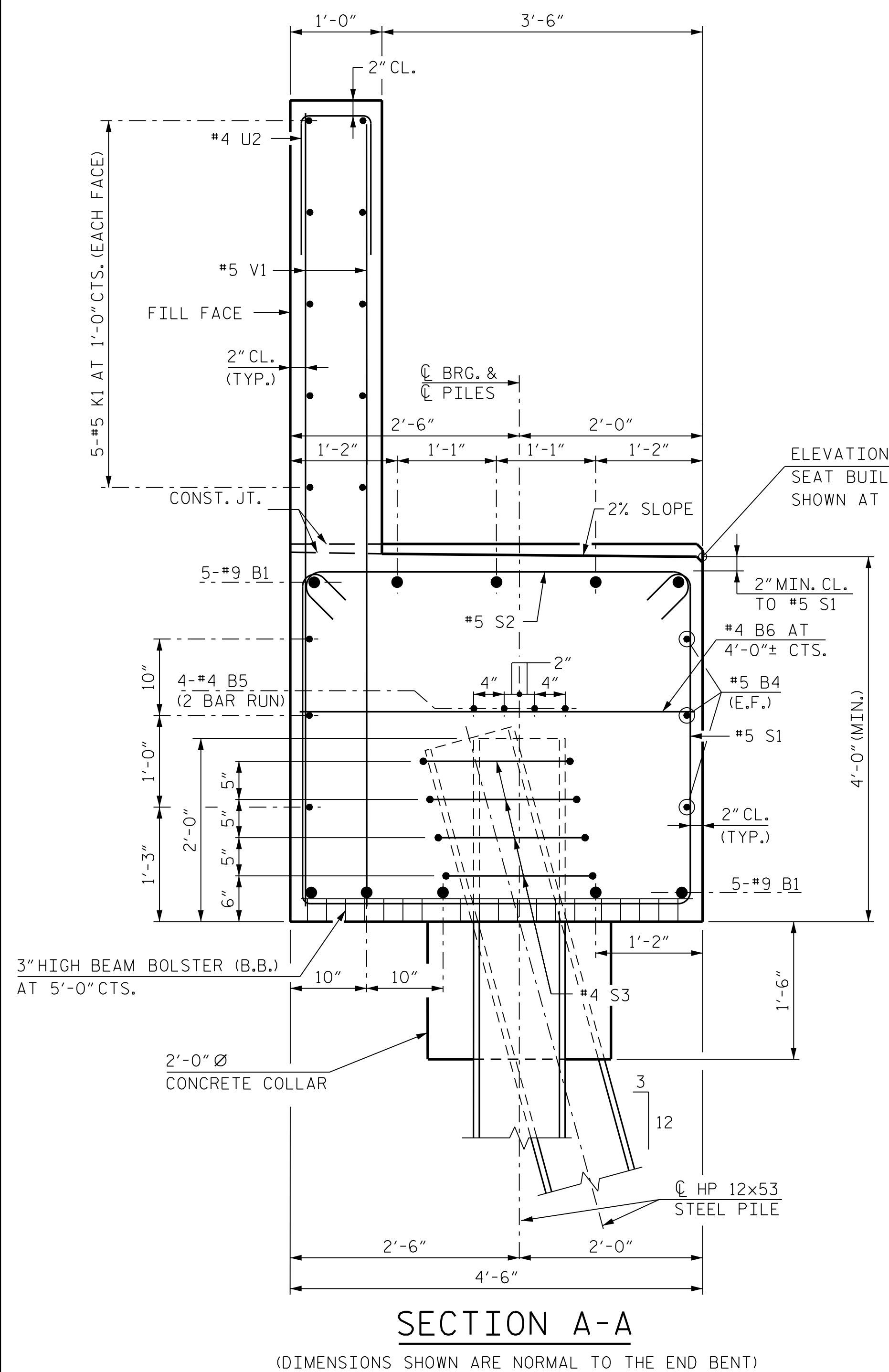
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT

BAR TYPES

NOTE: ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
END BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	10	#9		54'-6"	1,853
B2	5	#4	STR.	18'-10"	63
B3	5	#4	STR.	7'-7"	25
B4	6	#5	STR.	52'-0"	325
B5	8	#4	STR.	27'-4"	146
B6	14	#4	STR.	4'-2"	39
H1	16	#5		16'-8"	278
H2	20	#6		18'-5"	553
H3	12	#5		16'-4"	204
H4	12	#5		16'-9"	210
H5	12	#6		15'-5"	278
H6	12	#6		15'-9"	284
K1	10	#5	STR.	52'-2"	544
K2	8	#5	STR.	3'-1"	26
S1	62	#5		12'-4"	798
S2	62	#5		5'-1"	329
S3	24	#4		6'-6"	104
U1	19	#4		9'-2"	116
U2	46	#4		5'-8"	174
V1	92	#5	STR.	8'-5"	808
V2	38	#5	STR.	9'-8"	383
V3	38	#5	STR.	10'-6"	416
REINFORCING STEEL					7,956 LBS.
CLASS "A" CONCRETE					
POUR 1 (CAP, COLLARS & LOWER WINGS)					43.5 C.Y.
POUR 2 (BACKWALL & UPPER WINGS)					24.2 C.Y.
TOTAL					67.7 C.Y.



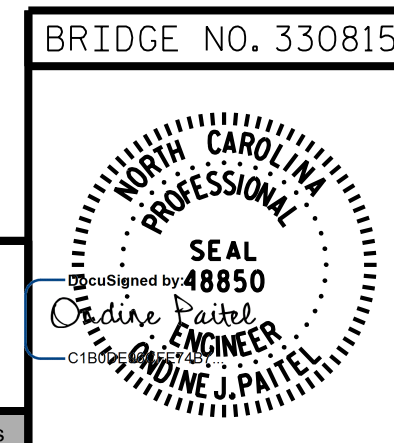
PROJECT NO. R-2577A
 FORSYTH COUNTY
 STATION: 140+39.50 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

BRIDGE NO. 330815

SUBSTRUCTURE
 END BENT 2
 MISCELLANEOUS DETAILS
 AND BILL OF MATERIAL
 LEFT LANE



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

TOTAL SHEETS: 35

DRAWN BY : B. A. HAAG DATE : SEP 2023
 CHECKED BY : L. K. AUSTIN DATE : SEP 2023
 DESIGN ENGINEER OF RECORD : O. J. PAITEL DATE : SEP 2023

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

11/10/2023 R:\Structures\BRIDGE\LeftBridge\DG\N\FINAL\R2577A_SMU_E2C_330815.dgn