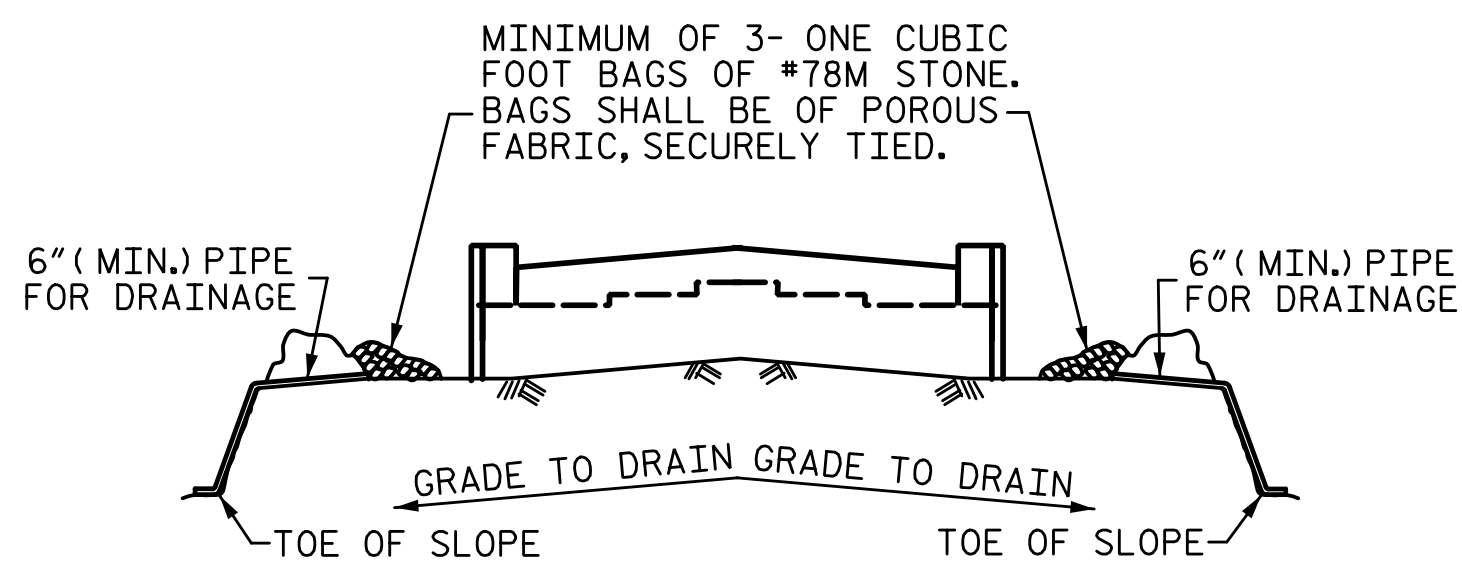


9/14/2022 8:06:06 AM P:\Raleigh\Projects\2018\Division 3 (SEA)\B-5652 (Onslow 33 US17 NBL over Wolf Swamp)\Structures\Drawings\Final\401\_B5652\_SMU\_E2\_660033.dgn

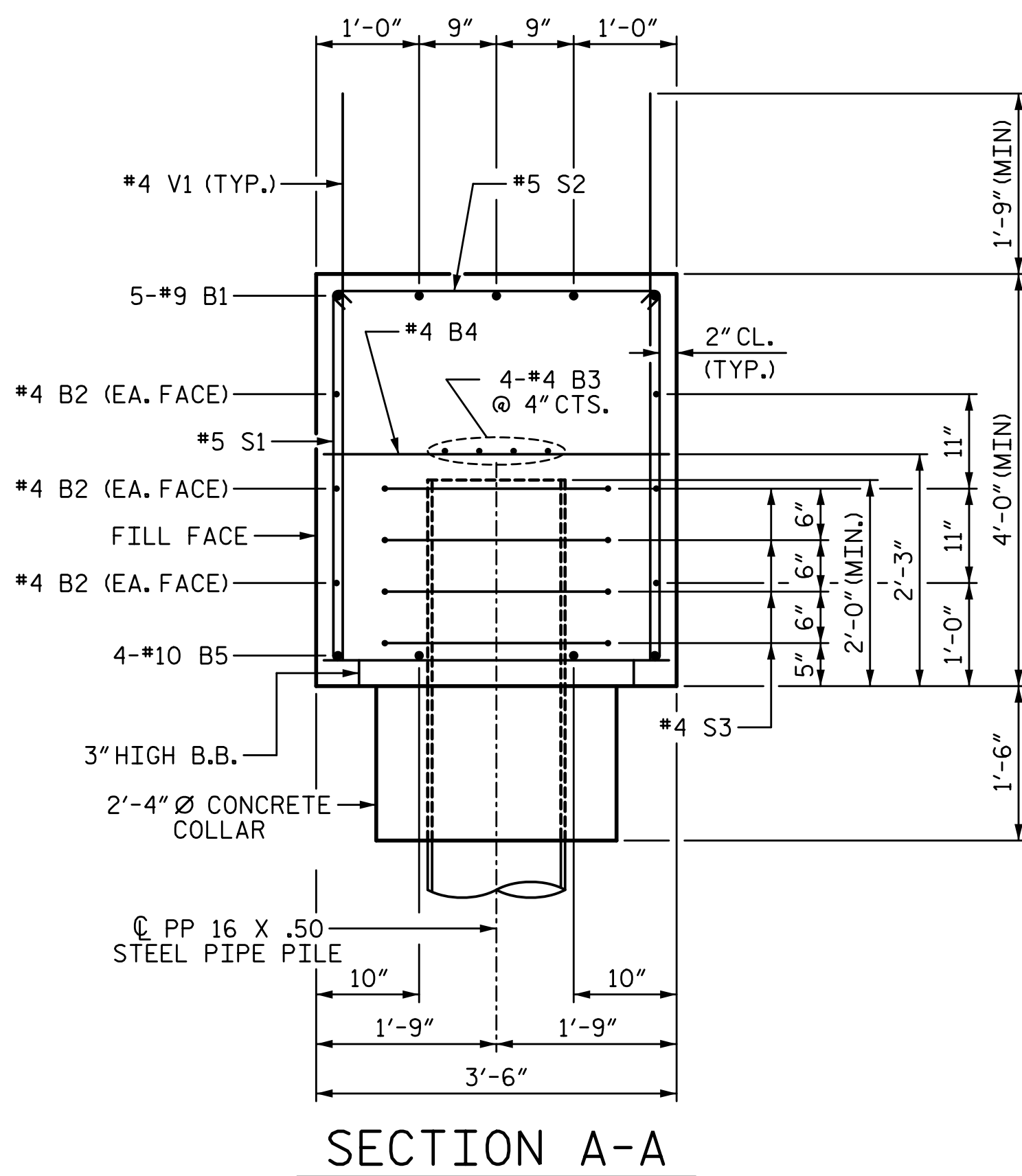


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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

1: HK. 1'-3" 45'-10" 1'-3" B1  
1'-5" 45'-10" 1'-5" B5

2: 10" 11'-10"

3: 5/2" HK. 3'-7/2" 3'-2"

4: 5/2" 3'-2" 5/2" HK.

5: 1'-3" LAP 2'-2"

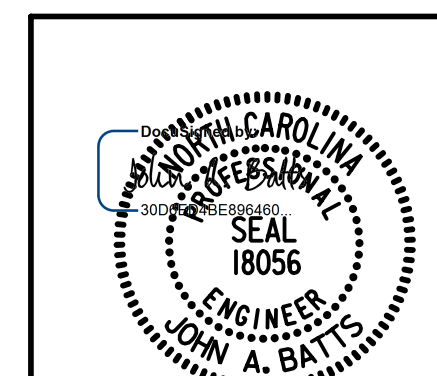
BILL OF MATERIAL					
END BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	5	#9	1	48'-4"	822
B2	12	#4	STR	24'-4"	195
B3	8	#4	STR	24'-4"	130
B4	12	#4	STR	3'-2"	25
B5	4	#10	1	48'-8"	838
H1	80	#5	2	12'-8"	1057
K1	48	#4	STR	3'-8"	118
S1	60	#5	3	11'-4"	709
S2	60	#5	4	4'-1"	256
S3	32	#4	5	8'-1"	173
V1	68	#4	STR	5'-9"	261
V2	72	#4	STR	9'-8"	465
TOTAL REINFORCING STEEL					5049 LB
CLASS AA CONCRETE					
POUR 1 (CAP, COLLARS, & LOWER WINGS) 30.2 CY					
POUR 2 (UPPER WINGS) 6.5 CY					
TOTAL CLASS AA CONCRETE					36.7 CY
PILE DRIVING EQUIPMENT SETUP FOR PP 16 X 0.50 GALVANIZED STEEL PILES 8 EA					
PP 16 X 0.50 GALVANIZED STEEL PILES NO. 8 440 LF					
PIPE PILE PLATES 8 EA					
PILE REDRIVES 4 EA					

ALL BAR DIMENSIONS ARE OUT TO OUT

PROJECT NO. B-5652  
ONLOW COUNTY  
 STATION: 20+64.00 -L-RT-

SHEET 3 OF 3

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUBSTRUCTURE  
 END BENT 2



LICENSURE NO. C-4434

9/14/2022 5:22 AM

DRAWN BY: S.D. COOPER DATE: 5-22  
 CHECKED BY: J.A. BATTS DATE: 5-22  
 DESIGN ENGINEER OF RECORD: J.A. BATTS DATE: 5-22

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

TOTAL SHEETS: 26

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED