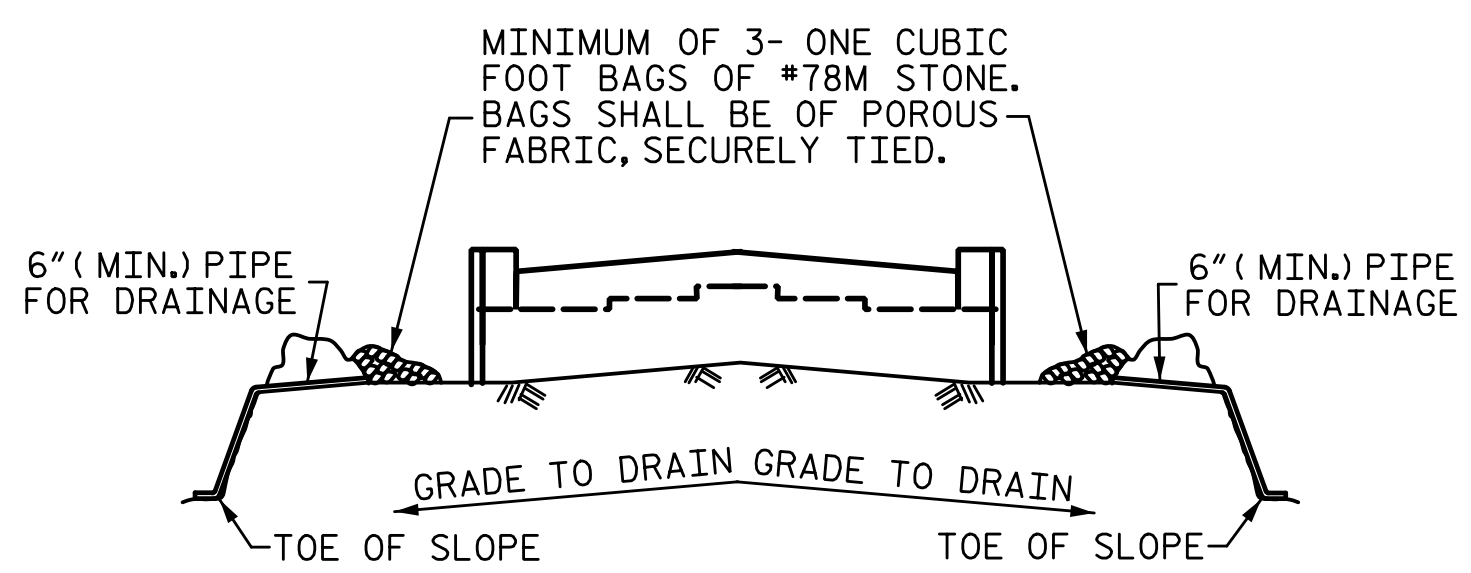


9/14/2022 8:06:04 AM P:\Raleigh\Projects\2018\Division 3 (SEA)\B-5652 (Onslow 33 US17 NBL over Wolf Swamp)\Structures\Drawings\Final\401_B5652_SMU_E1_660033.dgn

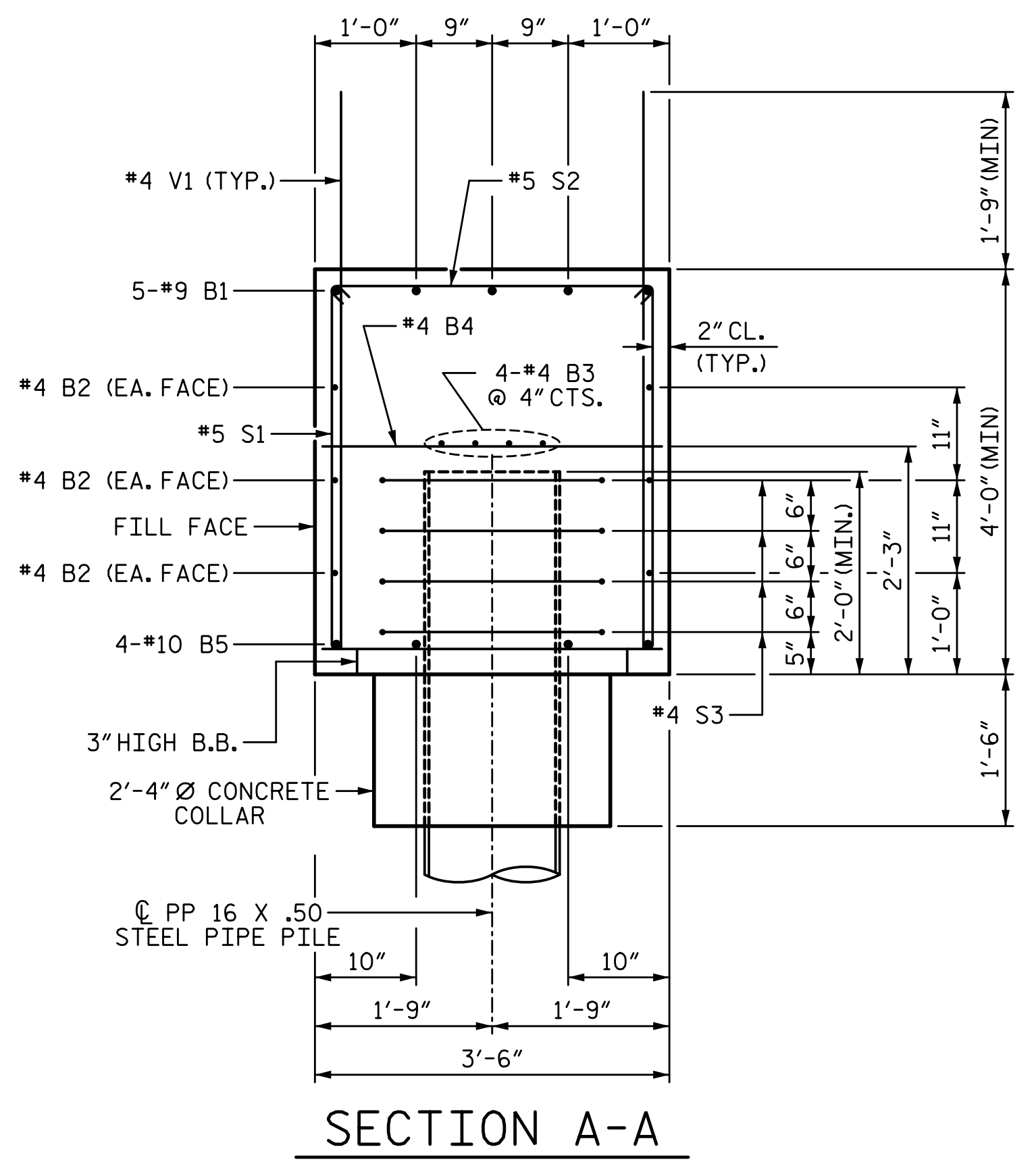


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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



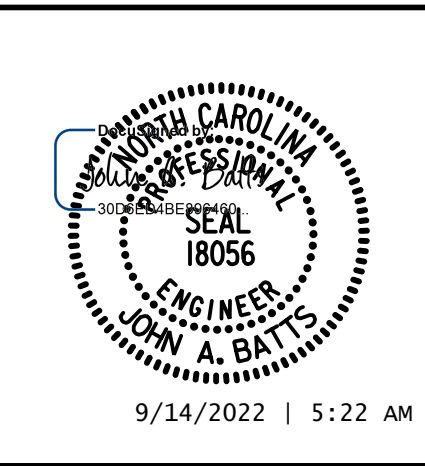
SECTION A-A

BAR TYPES

BILL OF MATERIAL					
END BENT 1					
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. 8 400 LF					
PIPE PILE PLATES 8 EA					
PILE REDRIVES 4 EA					

ALL BAR DIMENSIONS ARE OUT TO OUT

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



PROJECT NO. B-5652
ONSLow COUNTY
 STATION: 20+64.00 -L-RT-
 SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 END BENT 1

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

TOTAL SHEETS 26

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