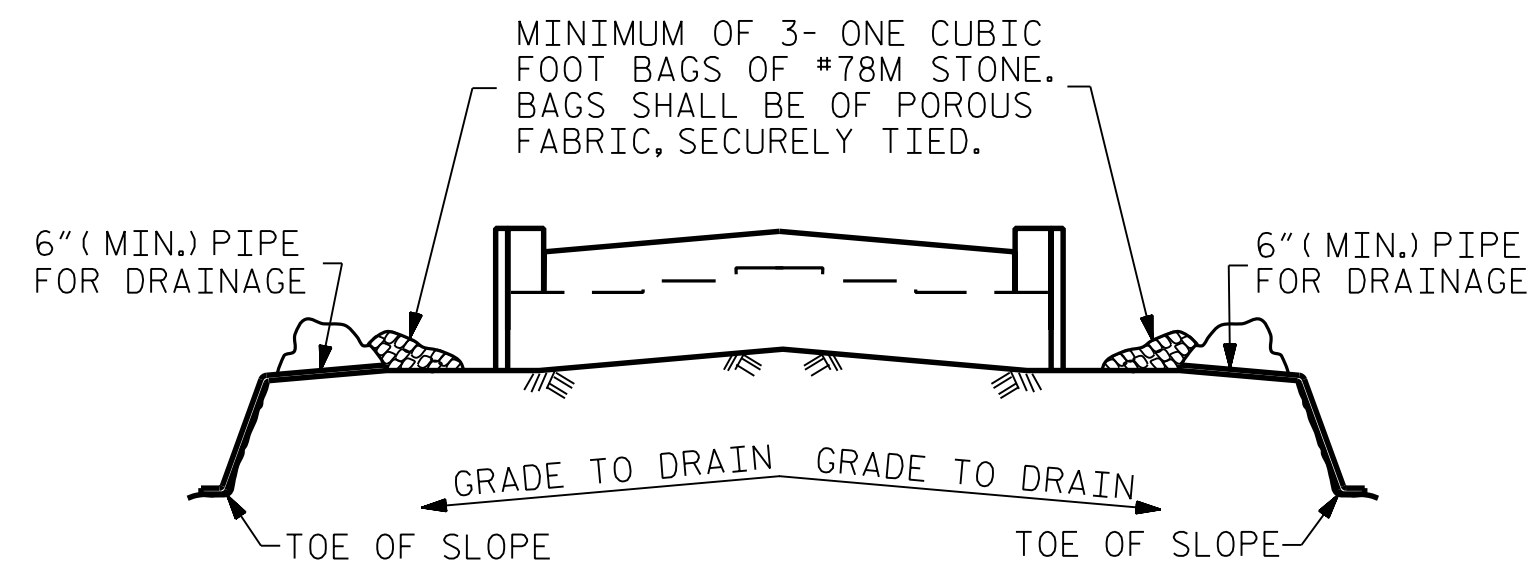


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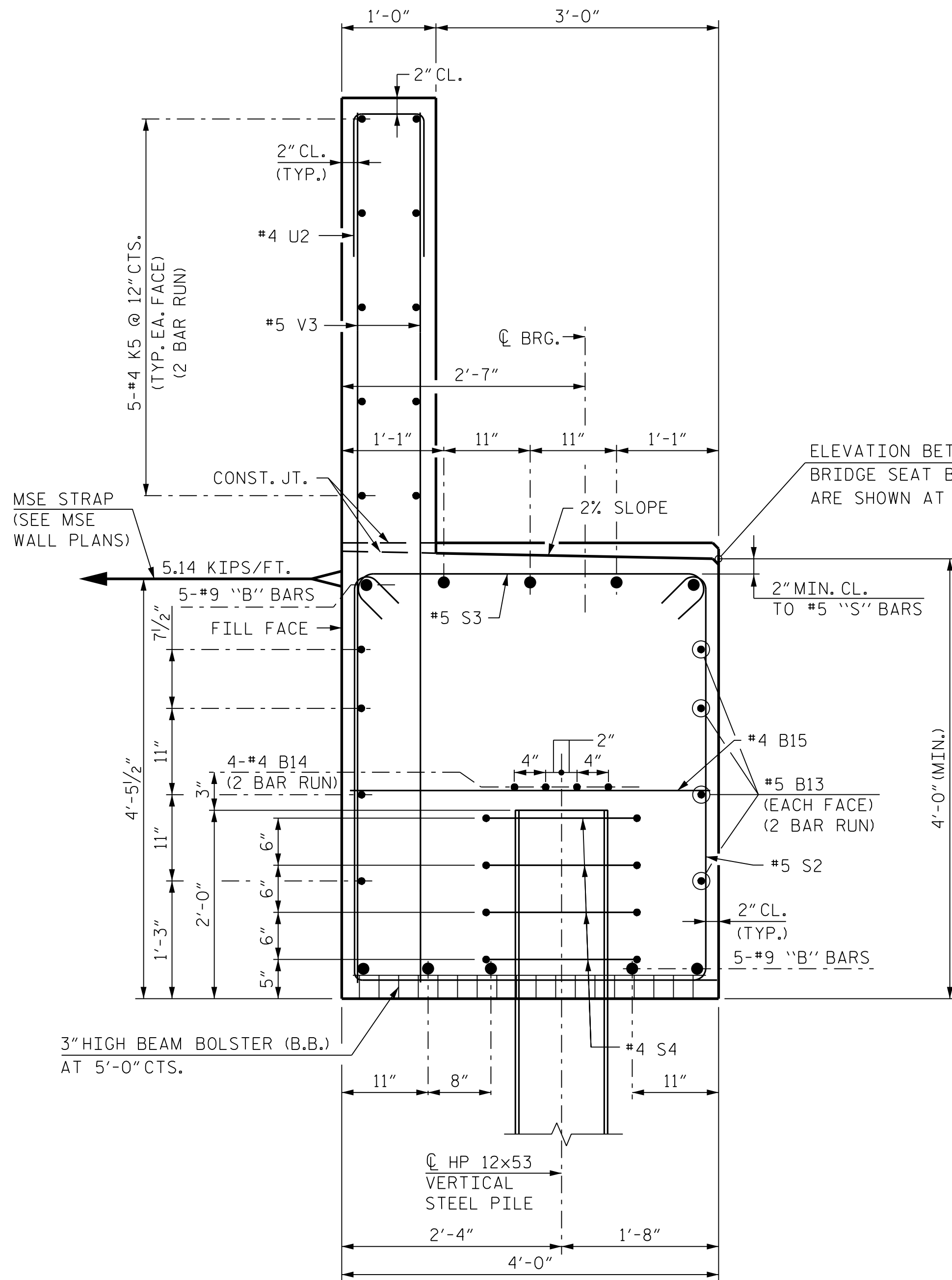


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

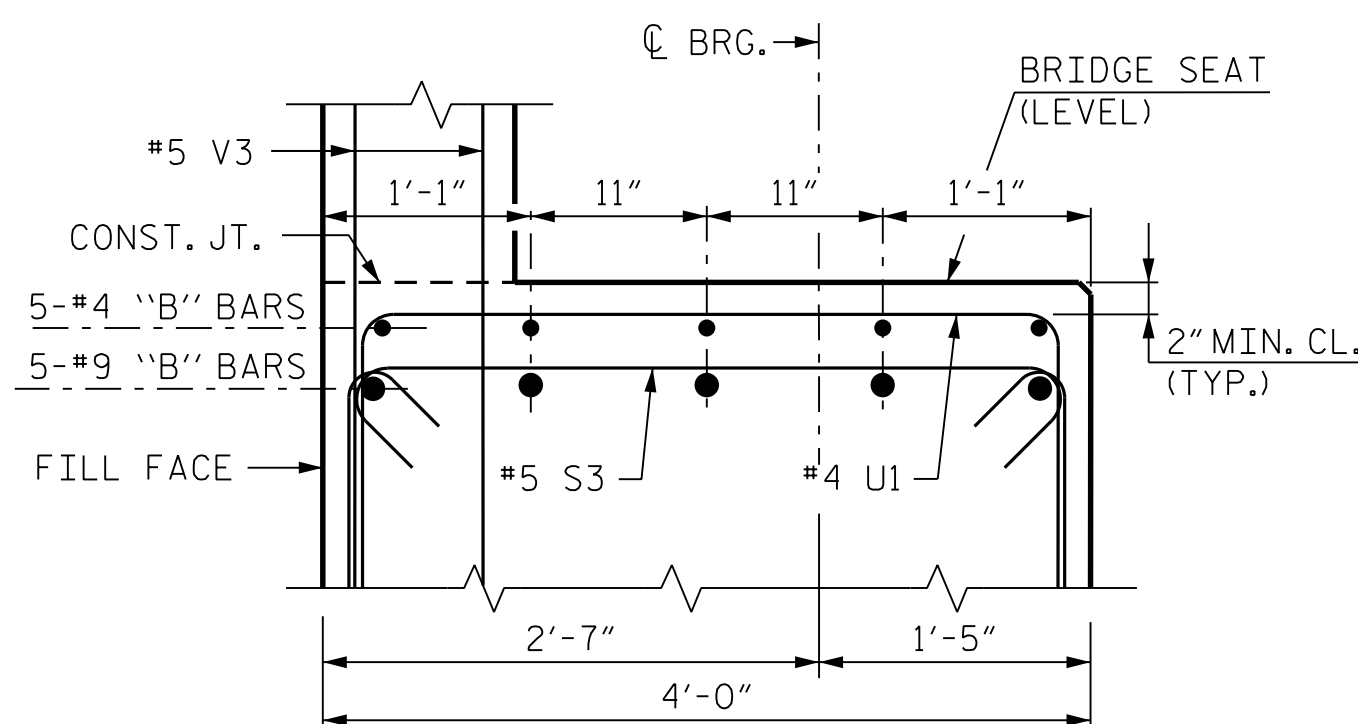
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT



SECTION A-A

(DIMENSIONS SHOWN ARE NORMAL TO THE END BENT)



SECTION B-B

BAR TYPES		BILL OF MATERIAL				
		END BENT 1 - STAGE 2				
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	10	#9		38'-1"	1,295	
B9	5	#9	STR.	34'-2"	581	
B10	5	#9	STR.	35'-5"	602	
B11	20	#4	STR.	10'-5"	139	
B12	5	#4	STR.	6'-3"	21	
B13	16	#5	STR.	34'-11"	583	
B14	8	#4	STR.	35'-1"	187	
B15	17	#4	STR.	3'-8"	42	
H2	24	#4		9'-5"	151	
K5	20	#4	STR.	34'-0"	454	
K4	4	#4	STR.	3'-2"	8	
S2	117	#5		13'-1"	1,597	
S3	117	#5		4'-7"	559	
S4	32	#4		6'-6"	139	
U1	53	#4		6'-8"	236	
U2	62	#4		3'-8"	152	
V3	124	#5	STR.	8'-9"	1,132	
V4	26	#5	STR.	10'-5"	282	
REINFORCING STEEL					8,160 LBS.	
CLASS "A" CONCRETE						
POUR 1 (CAP AND LOWER WINGS)					51.6 C.Y.	
POUR 2 (BACKWALL & UPPER WINGS)					13.2 C.Y.	
TOTAL					64.8 C.Y.	
HP 12x53 STEEL PILES						
NO.					7	
L.F.					420	
STEEL PILE POINTS					7 EA.	
PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES					7 EA.	

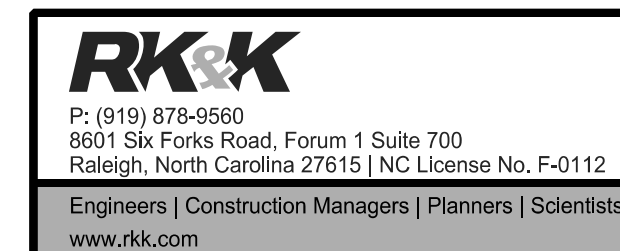
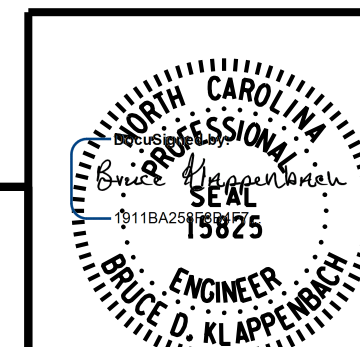
NOTE: ALL BAR DIMENSIONS ARE OUT TO OUT.

PROJECT NO. I-5972
JOHNSTON COUNTY
 STATION: 36+93.50 -Y1-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 END BENT 1
 MISCELLANEOUS DETAILS
 AND BILL OF MATERIAL
 STAGE 2



10/4/2021

DRAWN BY : B. A. HAAG DATE : JUN 2021
 CHECKED BY : D. M. RAGAN DATE : JUN 2021
 DESIGN ENGINEER OF RECORD : B. D. KLAPPENBACH DATE : JUN 2021

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-40
1			3			TOTAL SHEETS
2			4			54