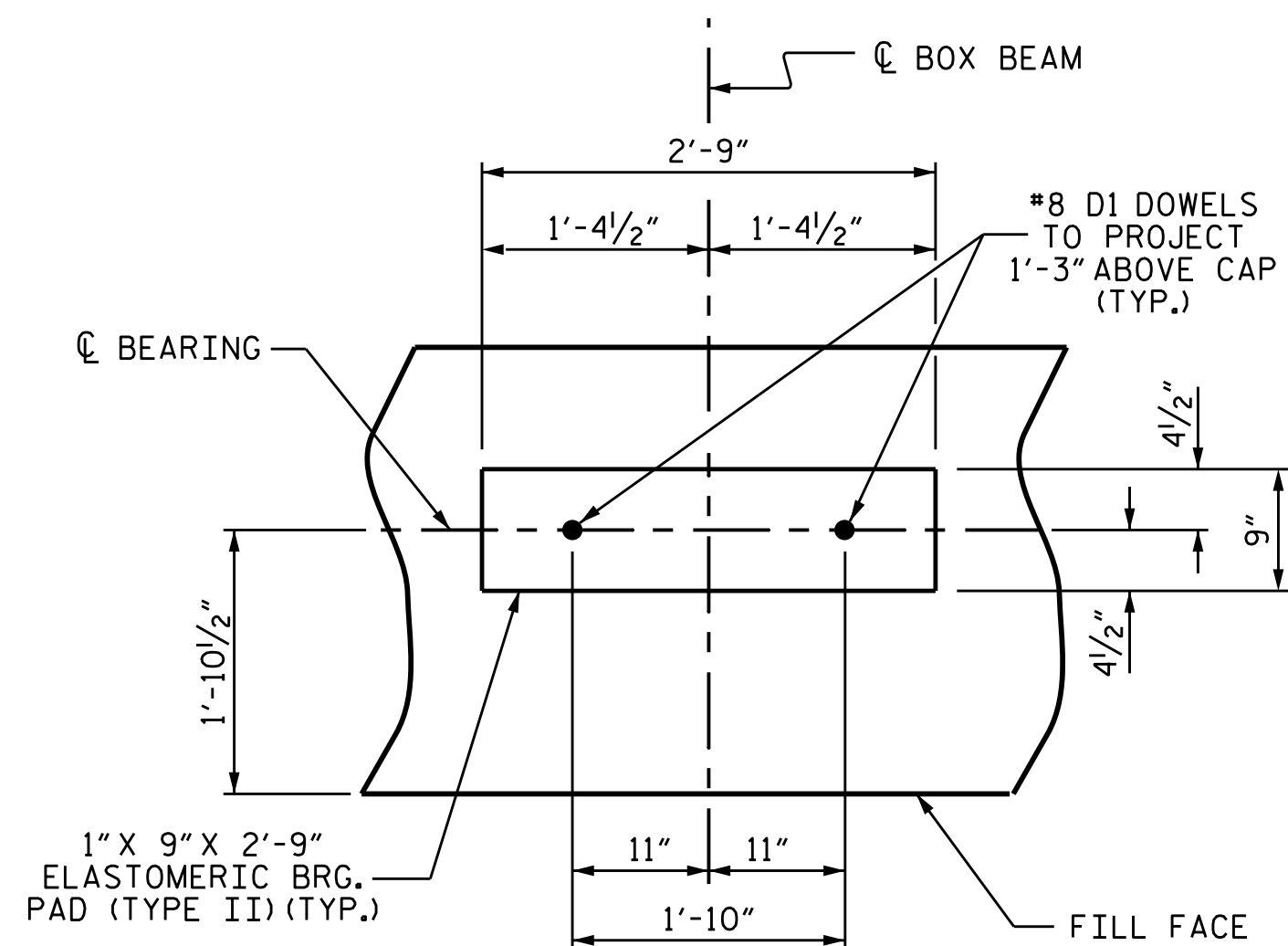


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

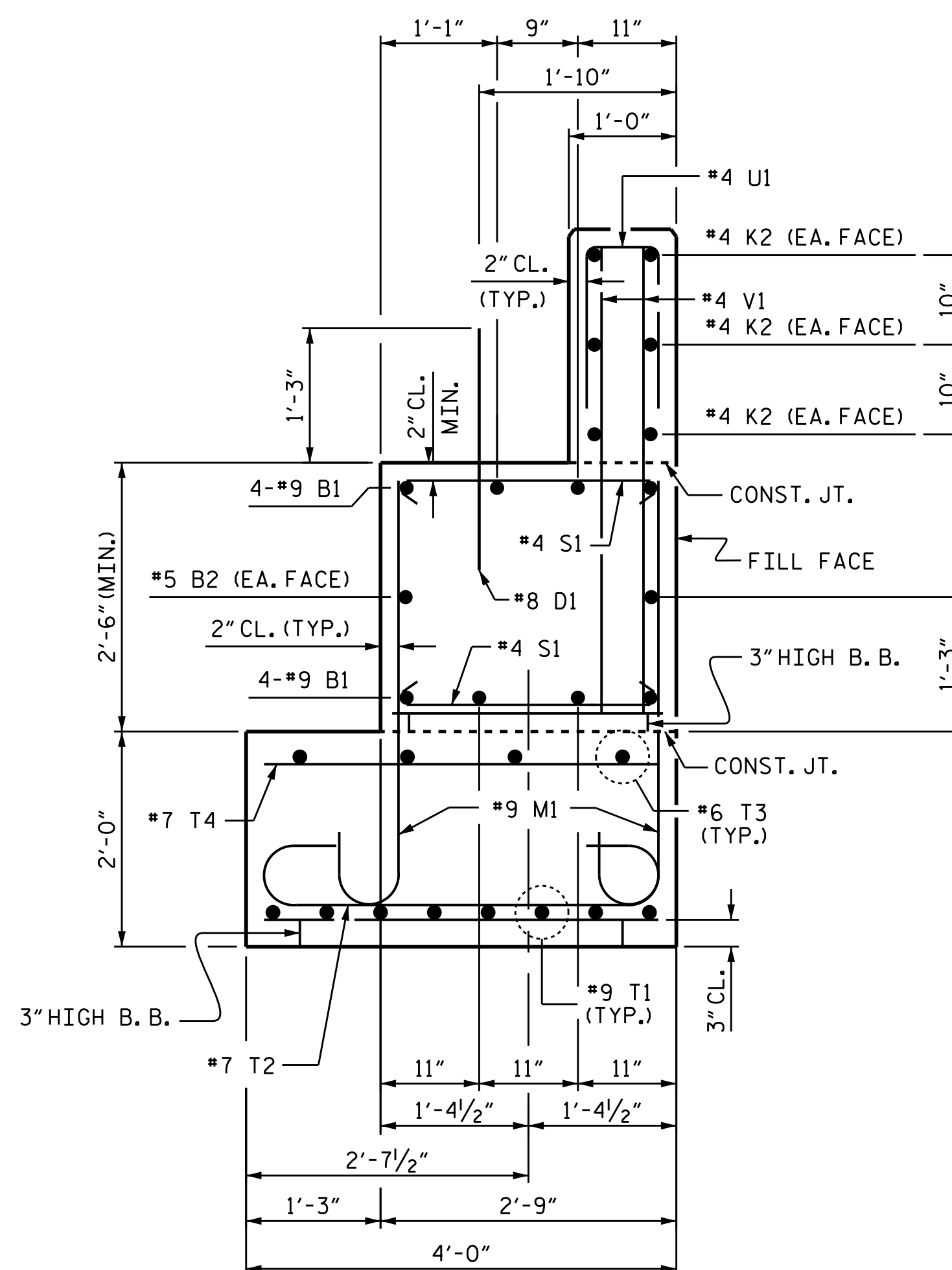
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

### TEMPORARY DRAINAGE AT END BENT

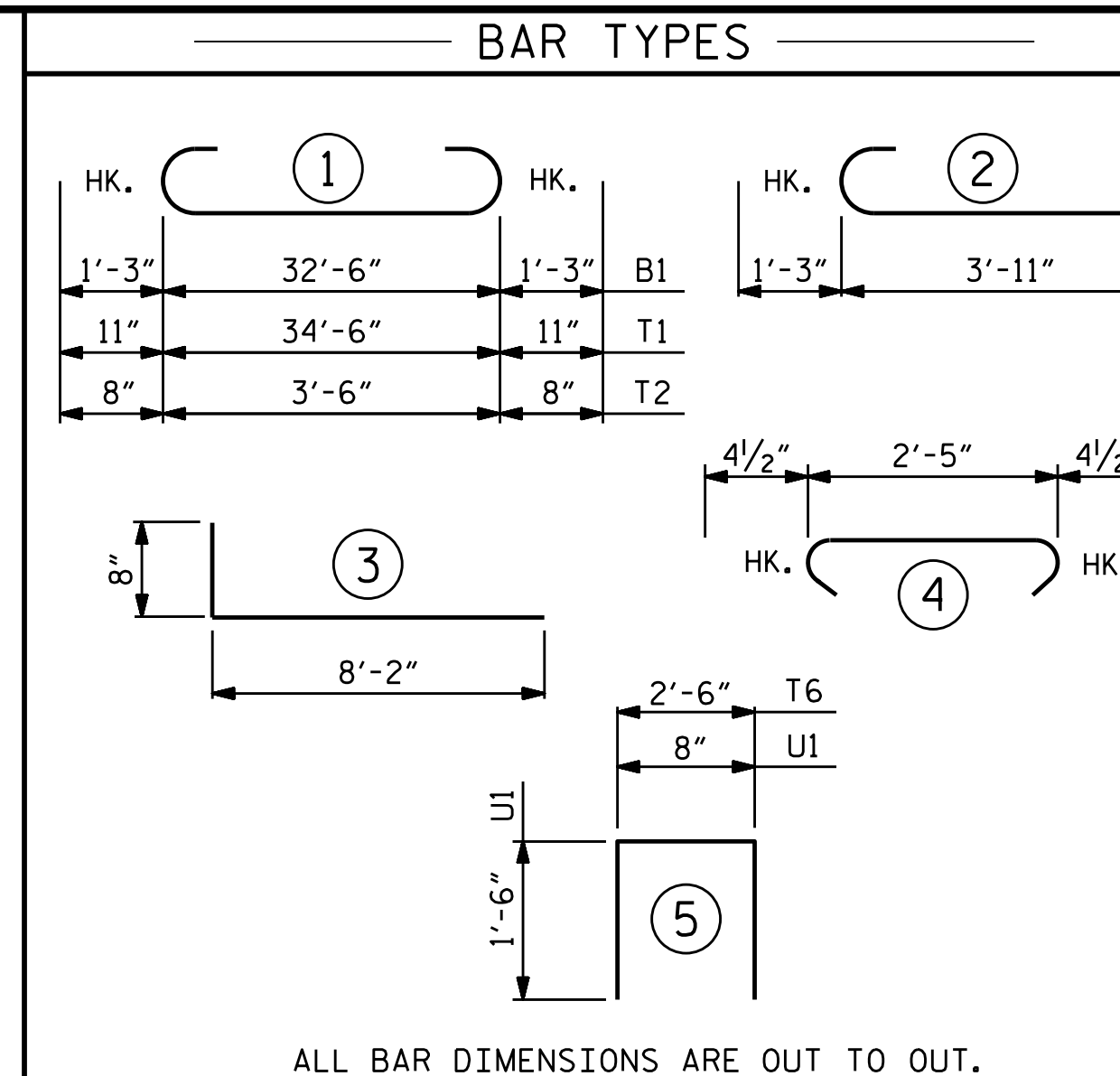


### DETAIL "A"

(END BENT No. 1 SHOWN, END BENT No. 2 SIMILAR BY ROTATION)



### SECTION A-A



ALL BAR DIMENSIONS ARE OUT TO OUT.

### BILL OF MATERIAL

#### END BENT No. 2

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	1	35'-0"	952
B2	2	#5	STR	32'-8"	68
D1	18	#8	STR	2'-3"	108
H1	52	#4	3	8'-10"	307
K1	12	#4	STR	3'-0"	24
K2	12	#4	STR	17'-8"	142
M1	90	#9	2	5'-2"	1581
S1	44	#4	4	3'-2"	93
T1	8	#9	1	36'-4"	988
T2	37	#7	1	4'-10"	366
T3	4	#6	STR	34'-8"	208
T4	37	#7	STR	3'-8"	277
T5	8	#6	STR	11'-2"	134
U1	27	#4	5	3'-8"	66
V1	54	#4	STR	4'-3"	153
V2	52	#4	STR	6'-5"	223
V3	32	#4	STR	4'-0"	86

REINFORCING STEEL 5,776 LBS.

FOUNDATION EXCAVATION 80 C.Y.

#### CLASS A CONCRETE BREAKDOWN

POUR #1 FOOTING 11.5 C.Y.

POUR #2 CAP & LOWER PART OF WINGS 9.8 C.Y.

POUR #3 BACKWALL & UPPER PART OF WINGS 5.6 C.Y.

TOTAL CLASS A CONCRETE 26.9 C.Y.

PROJECT NO. B-4978

WILKES COUNTY

STATION: 12+36.12 -L-

SHEET 4 OF 4

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUBSTRUCTURE  
END BENT 2



DocuSigned by:  
Amber M. Lee  
00B55A4F22AD484  
10/12/2017

DRAWN BY : A. SORSENGINH DATE : 10-10-17  
CHECKED BY : H. T. BARBOUR DATE : 10-11-17  
DESIGN ENGINEER OF RECORD : A. SORSENGINH DATE : 10-11-17

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-17	
1			3			TOTAL SHEETS	
2			4			19	