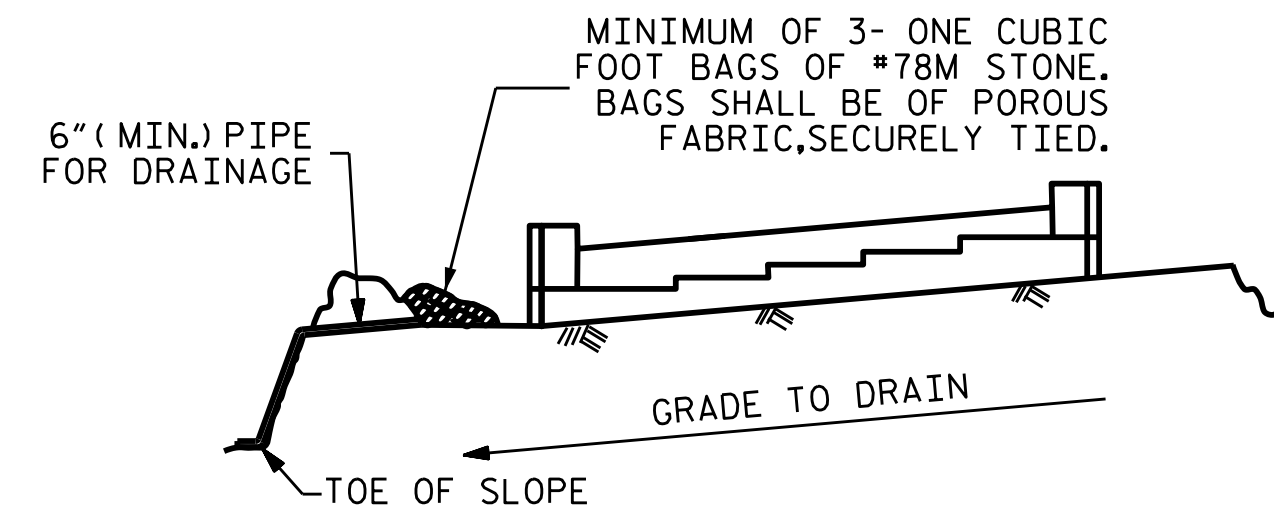
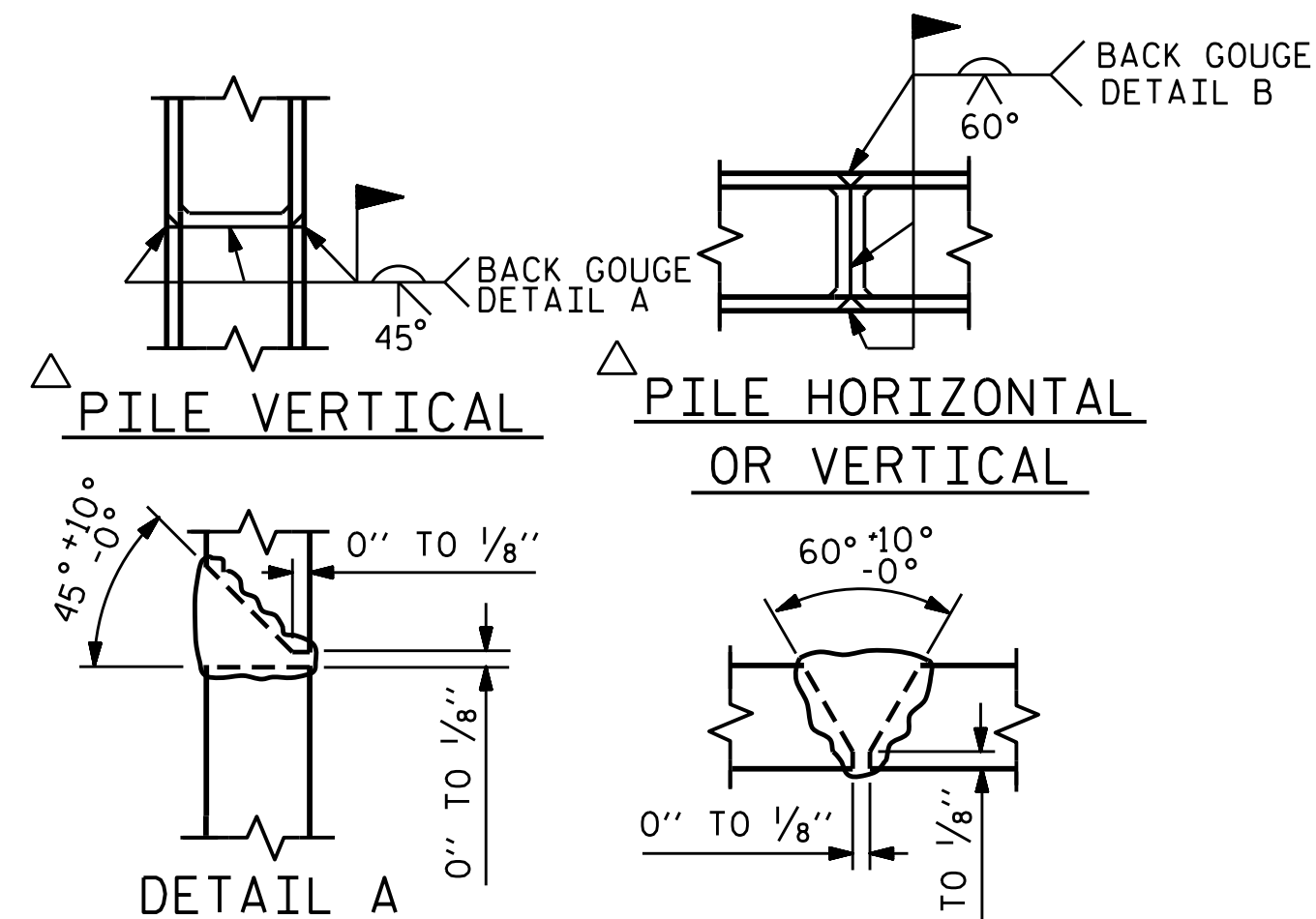


BILL OF MATERIAL											
STAGE I						STAGE II					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B5	8	#9	1	26'-7"	723	B1	8	#9	1	19'-8"	535
B6	10	#4	STR	27'-0"	180	B2	10	#4	STR	19'-6"	130
B7	6	#4	STR	3'-2"	13	B3	5	#4	STR	3'-2"	11
B8	4	#4	STR	7'-5"	20	B4	4	#4	STR	3'-4"	9
B9	4	#4	STR	16'-5"	44						
						H1	44	#6	2	14'-4"	947
						K1	12	#4	STR	19'-6"	156
						K2	28	#4	STR	3'-6"	65
						S1	19	#4	3	11'-2"	142
						S2	19	#4	4	3'-11"	50
						S3	16	#4	5	6'-6"	69
						U1	16	#4	6	3'-8"	39
						U2	3	#4	STR	6'-2"	12
						V1	32	#5	STR	8'-10"	295
						V4	36	#5	STR	10'-7"	397
REINFORCING STEEL					3515 LBS.	REINFORCING STEEL					2857 LBS.
CLASS A CONCRETE BREAKDOWN						CLASS A CONCRETE BREAKDOWN					
POUR #1 CAP, LOWER PART OF WING & COLLARS					17.4 C.Y.	POUR #1 CAP, LOWER PART OF WING & COLLARS					13.1 C.Y.
POUR #2 BACKWALL & UPPER PART OF WING					8.5 C.Y.	POUR #2 BACKWALL & UPPER PART OF WING					7.5 C.Y.
TOTAL CLASS A CONCRETE					25.9 C.Y.	TOTAL CLASS A CONCRETE					20.6 C.Y.
HP 12 X 53 STEEL PILES						HP 12 X 53 STEEL PILES					
No. 5 _____ LIN FT. 80						No. 4 _____ LIN FT. 80					
STEEL PILE POINTS _____ NO. 5						STEEL PILE POINTS _____ NO. 4					
PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES _____ 5 EA.						PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES _____ 4 EA.					



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.

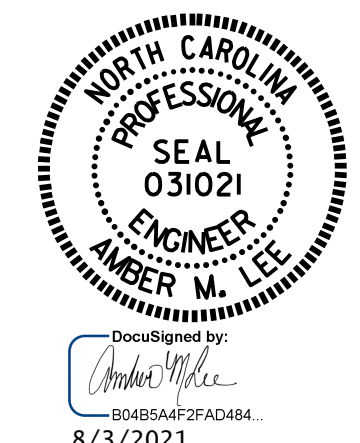
TEMPORARY DRAINAGE AT END BENT

DRAWN BY : A. SORSENGINH DATE : 06/2020
 CHECKED BY : K. PUROHIT DATE : 06/2020
 DESIGN ENGINEER OF RECORD : J. TILLMAN DATE : 12/2019

28-JUL-2021 15:49
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 amlee

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-27
1			3			TOTAL SHEETS 40
2			4			



PROJECT NO. BR-0002
 ASHE COUNTY
 STATION: 23+80.00 -L-

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

SHEET 4 OF 4