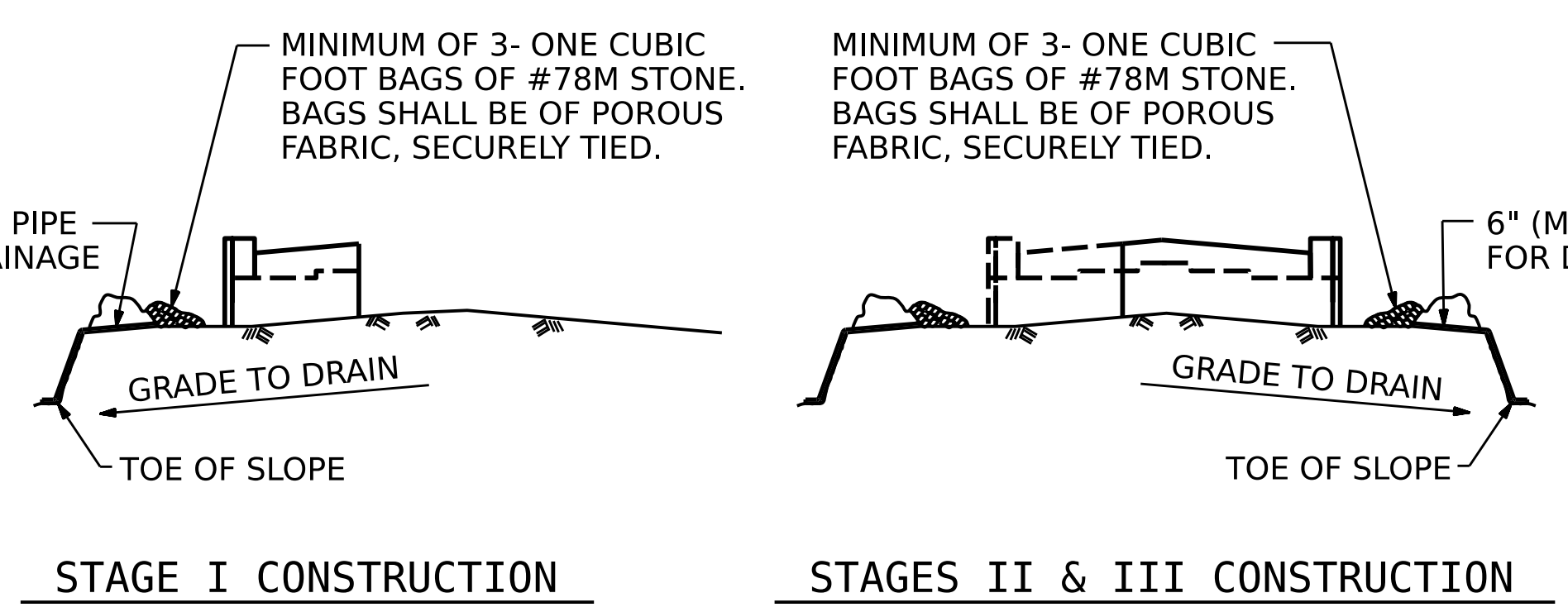
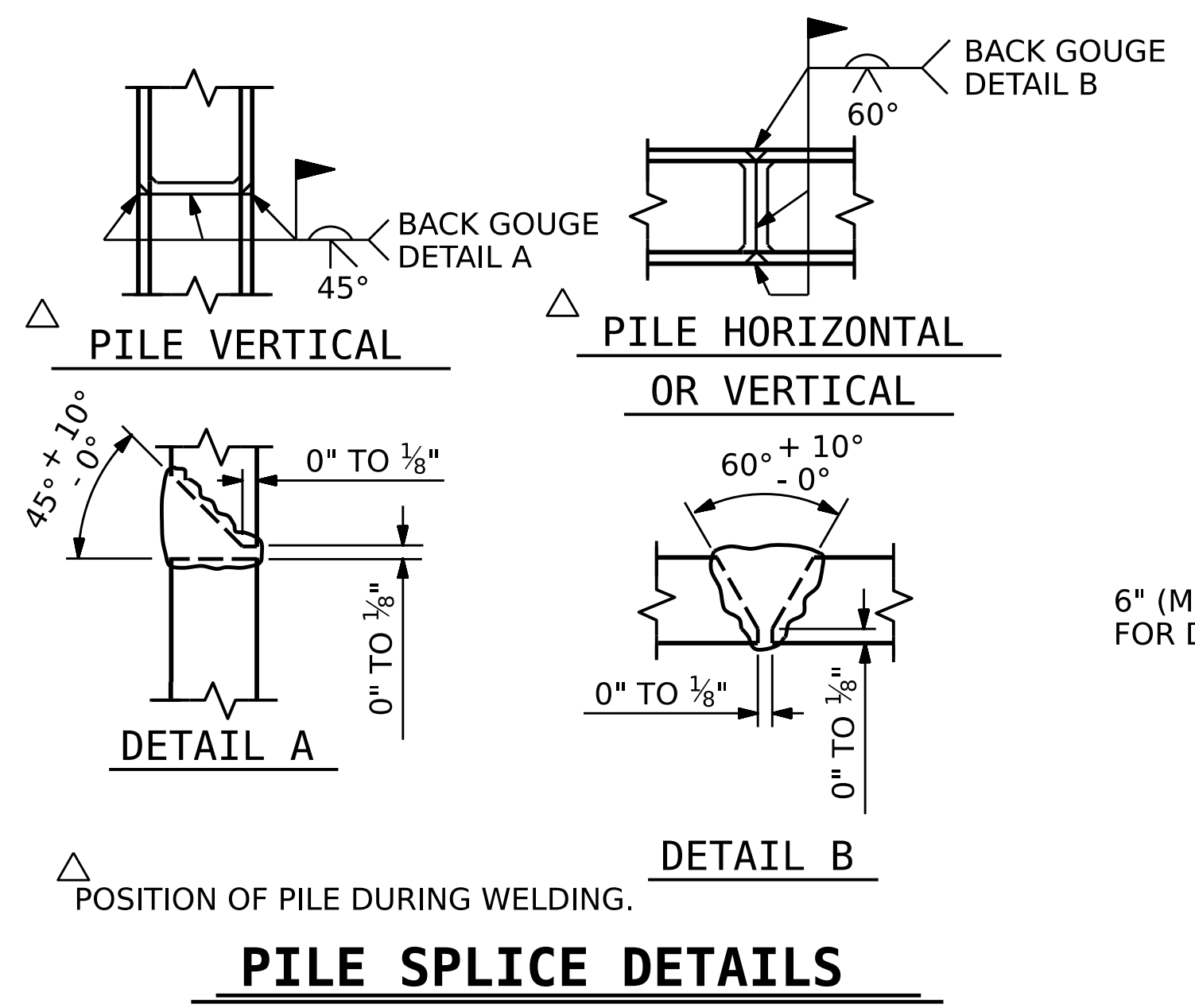


BILL OF MATERIAL

INTEGRAL END BENT 1

STAGE I						STAGE II						STAGE III					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	1	9	1	49'-8"	169	B13	11	4	STR	3'-11"	29	B13	12	4	STR	3'-11"	31
B2	1	9	1	47'-5"	161	B14	6	9	STR	47'-7"	971	B21	1	9	1	48'-1"	163
B3	1	9	1	49'-4"	168	B15	12	5	STR	46'-6"	582	B22	1	9	1	48'-4"	164
B4	1	9	1	46'-11"	160	B16	6	9	STR	10'-4"	211	B23	1	9	1	48'-5"	165
B5	1	9	1	48'-9"	166	B17	2	5	STR	29'-8"	62	B24	1	9	1	48'-10"	166
B6	1	9	1	46'-7"	158	B18	6	9	STR	43'-0"	877	B25	1	9	1	48'-11"	166
B7	20	5	STR	25'-10"	539	B19	6	4	STR	3'-2"	13	B26	1	9	1	49'-2"	167
B8	6	9	1	33'-2"	677	B20	6	9	STR	13'-10"	282	B27	20	5	STR	25'-6"	532
B9	2	5	STR	19'-6"	41	B33	8	4	STR	25'-3"	135	B28	2	5	STR	19'-2"	40
B10	3	9	STR	22'-10"	233							B29	6	9	STR	24'-6"	500
B11	3	9	STR	24'-10"	253	S1	126	5	4	4'-5"	580	B30	6	4	STR	7'-0"	28
B12	6	4	STR	4'-4"	17	S4	126	5	5	13'-3"	1741	B31	12	4	STR	8'-4"	67
B13	11	4	STR	3'-11"	29	S5	36	4	6	7'-7"	183	B32	6	9	1	33'-1"	675
B33	8	4	STR	25'-3"	135							B33	8	4	STR	25'-3"	135
H1	23	5	2	12'-4"	296							H3	23	5	3	12'-0"	288
H2	23	5	2	12'-6"	300	V1	68	4	STR	6'-10"	310	H4	23	5	3	11'-10"	284
K1	30	4	STR	2'-9"	55							K1	30	4	STR	2'-9"	55
S1	132	5	4	4'-5"	608							S1	136	5	4	4'-5"	626
S2	68	5	5	11'-7"	822							S2	64	5	5	11'-7"	773
S3	64	5	5	12'-3"	818							S3	72	5	5	12'-3"	920
S5	36	4	6	7'-7"	183							S5	40	4	6	7'-7"	203
U1	3	4	7	6'-1"	12							U1	17	4	7	6'-1"	69
V1	66	4	STR	6'-10"	301							V1	72	4	STR	6'-10"	329
V2	32	5	STR	11'-1"	370							V3	32	5	STR	11'-3"	375
REINFORCING STEEL 6,671 LBS.						REINFORCING STEEL 5,988 LBS.						REINFORCING STEEL 6,921 LBS.					
CLASS A CONCRETE 33.7 C.Y.						CLASS A CONCRETE 35.9 C.Y.						CLASS A CONCRETE 37.0 C.Y.					
POUR #1 (CAP, COLLARS, & LOWER WINGWALLS)						POUR #1 (CAP, COLLARS, & LOWER WINGWALLS)						POUR #1 (CAP, COLLARS, & LOWER WINGWALLS)					
POUR #2 (UPPER WINGWALL) 3.9 C.Y.												POUR #2 (UPPER WINGWALL) 3.4 C.Y.					
TOTAL = 37.6 C.Y.						TOTAL = 35.9 C.Y.						TOTAL = 40.4 C.Y.					



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.

PROJECT NO. B-4442
BUNCOMBE COUNTY
 STATION: 315+72.39 -L-
 SHEET 6 OF 6



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-39
1			3			TOTAL SHEETS 58
2			4			

DRAWN BY: D.R. DRUM DATE: 03/2022
 CHECKED BY: J.C. MORRISON DATE: 05/2022
 DESIGN ENGINEER OF RECORD: J.E. SLOAN DATE: 05/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED