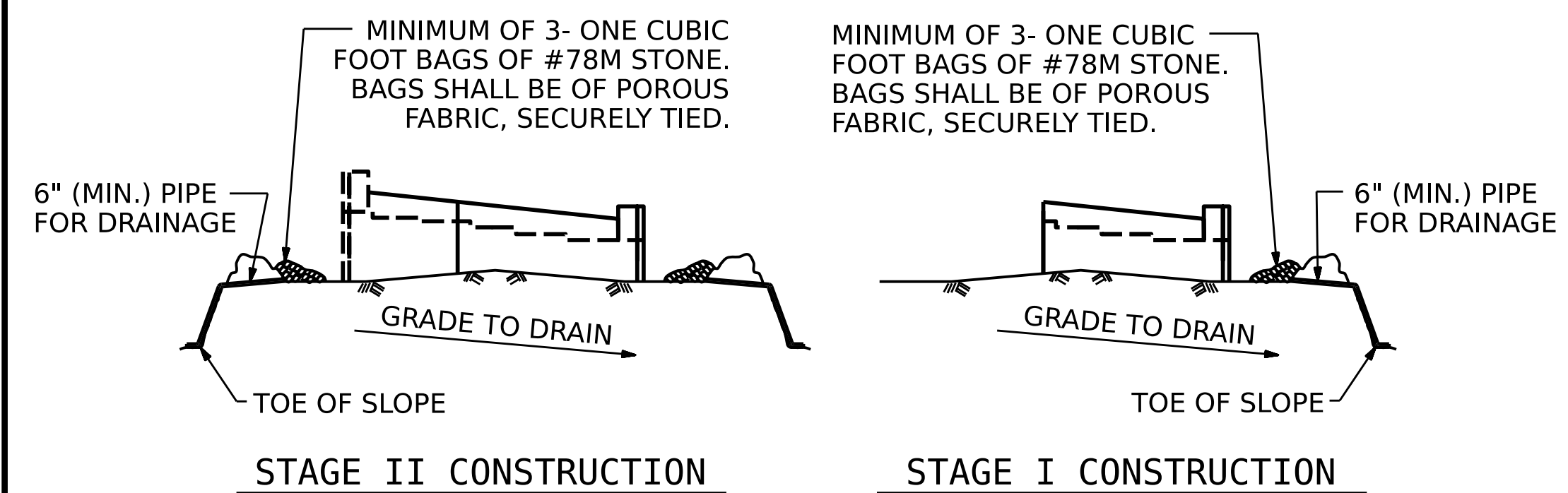


PILE SPLICE DETAILS



TEMPORARY DRAINAGE AT END BENT

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.

DRAWN BY :	D. RITACCO	DATE :	05/2023
CHECKED BY :	D. TUTTLE	DATE :	06/2023
DESIGN ENGINEER OF RECORD:	D. TUTTLE	DATE :	06/2023

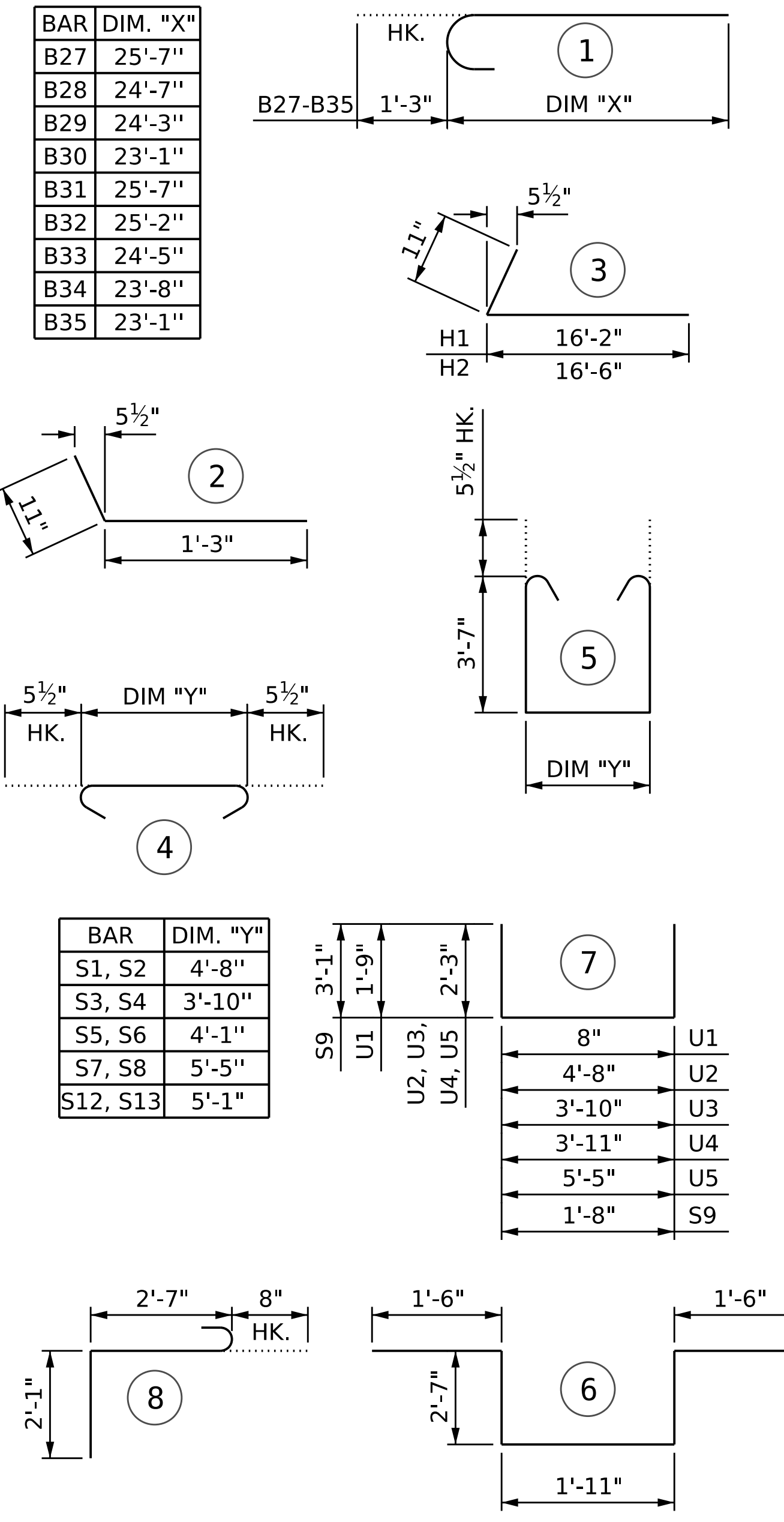
BILL OF MATERIAL

END BENT 1

STAGE I					STAGE II						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	2	9	STR	25'-6"	173	B16	14	4	STR	4'-8"	44
B2	2	9	STR	26'-7"	181	B25	2	9	1	26'-10"	182
B3	2	9	STR	27'-0"	184	B26	2	9	1	25'-10"	176
B4	2	9	STR	28'-1"	191	B27	2	9	1	25'-6"	173
B5	1	9	STR	25'-6"	87	B28	2	9	1	24'-4"	165
B6	1	9	STR	26'-0"	88	B29	1	9	1	26'-10"	91
B7	1	9	STR	26'-9"	91	B30	1	9	1	26'-5"	90
B8	1	9	STR	27'-6"	94	B31	1	9	1	25'-8"	87
B9	1	9	STR	28'-1"	95	B32	1	9	1	24'-11"	85
B10	13	9	STR	10'-7"	468	B33	1	9	1	24'-4"	83
B11	4	5	STR	38'-2"	159	B34	4	5	STR	26'-5"	110
B12	4	5	STR	40'-10"	170	B35	4	5	STR	24'-0"	100
B13	4	4	STR	28'-8"	77	B36	5	4	STR	4'-0"	13
B14	4	4	STR	30'-0"	80	B37	4	4	STR	25'-9"	69
B15	10	4	STR	10'-1"	67	B38	4	4	STR	24'-3"	65
B16	18	4	STR	4'-8"	56	B39	1	4	STR	25'-11"	17
B17	1	4	STR	24'-4"	16	B40	1	4	STR	24'-7"	16
B18	1	4	STR	24'-10"	17						
B19	1	4	STR	25'-8"	17	H1	13	4	3	17'-1"	148
B20	1	4	STR	26'-4"	18	H2	13	4	3	17'-5"	151
B21	1	4	STR	26'-11"	18						
B22	5	4	STR	10'-0"	33	K3	6	4	STR	24'-0"	96
B23	1	4	STR	25'-0"	17	K4	6	4	STR	24'-2"	97
B24	1	4	STR	26'-4"	18	K5	2	4	STR	2'-9"	4
						K6	2	4	STR	2'-11"	4
						K7	8	4	STR	2'-0"	11
H3	11	4	2	2'-2"	16						
K1	24	4	STR	21'-4"	342	S1	34	5	4	5'-7"	198
K2	2	4	STR	10'-2"	14	S2	34	5	5	12'-9"	452
						S3	1	5	4	4'-9"	5
S1	44	5	4	5'-7"	256	S4	1	5	5	11'-11"	12
S2	44	5	5	12'-9"	585	S5	1	5	4	5'-0"	5
S3	4	5	4	4'-9"	20	S6	1	5	5	12'-2"	13
S4	4	5	5	11'-11"	50	S9	32	4	7	7'-10"	167
S5	3	5	4	5'-0"	16	S10	3	6	8	5'-4"	24
S6	3	5	5	12'-2"	38	S11	3	6	6	10'-1"	45
S7	2	5	4	6'-4"	13	S12	1	5	4	6'-0"	6
S8	2	5	5	13'-6"	28	S13	1	5	5	13'-2"	14
S9	40	4	7	7'-10"	209						
S12	1	5	4	6'-0"	6	U1	22	4	7	4'-2"	61
S13	1	5	5	13'-2"	14	U2	3	4	7	9'-2"	18
U1	40	4	7	4'-2"	111	V1	44	5	STR	8'-11"	409
U2	21	4	7	9'-2"	129	V5	42	5	STR	10'-7"	464
U3	3	4	7	8'-4"	17						
U4	3	4	7	8'-5"	17						
U5	3	4	7	9'-11"	20						
V1	18	5	STR	8'-11"	167						
V2	39	5	STR	9'-4"	380						
V3	22	5	STR	10'-11"	250						
V4	2	5	STR	6'-6"	14						
REINFORCING STEEL					5,127 LBS.	REINFORCING STEEL					3,970 LBS.
CLASS A CONCRETE						CLASS A CONCRETE					
POUR #1 (CAP, COLLARS, & LOWER WINGWALL)					33.9 C.Y.	POUR #1 (CAP, COLLARS, & LOWER WINGWALL)					25.0 C.Y.
POUR #2 (BACKWALL & UPPER WINGWALL)					8.1 C.Y.	POUR #2 (BACKWALL & UPPER WINGWALL)					9.2 C.Y.
TOTAL = 42.0 C.Y.						TOTAL = 34.2 C.Y.					

NOTE: SEE GEOTECHNICAL FOUNDATION TABLES FOR ADDITIONAL PILE INFORMATION

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

PROJECT NO. **B-3186 / B-5898**
HAYWOOD COUNTY
 STATION: **24+70.00 -L_ LT-**

SHEET 5 OF 5

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE END BENT 1 BILL OF MATERIALS & DETAILS					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
SHEET NO.					S3-36
TOTAL SHEETS					50

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED