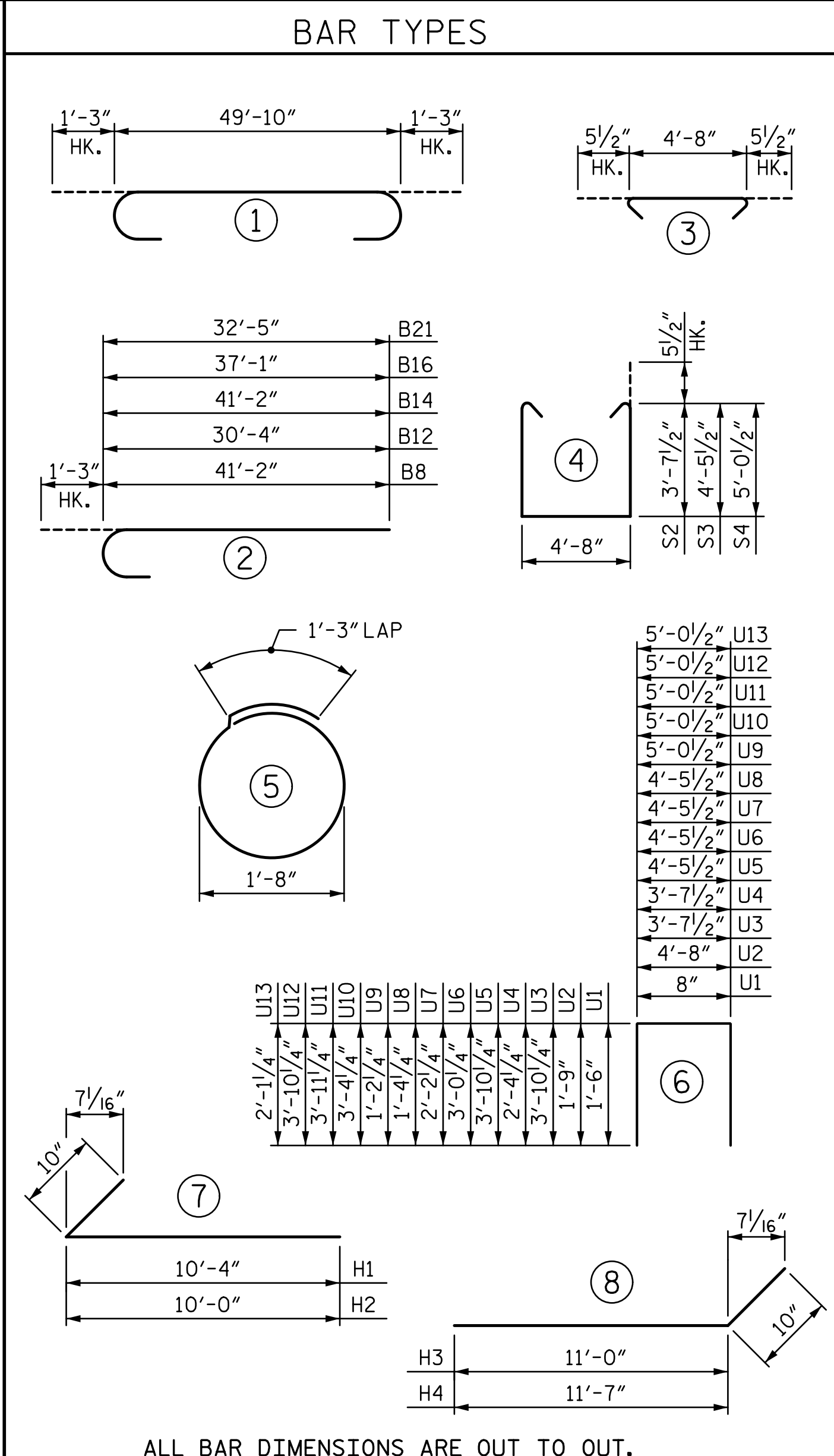


NOTES:

STIRRUPS AND "U" BARS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.
 BACKWALL SHALL BE PLACED BEFORE APPLYING THE EPOXY PROTECTIVE COATING.

THE TOP SURFACE AREAS OF THE END BENT CAP SHALL BE CURED IN ACCORDANCE WITH THE NCDOT STANDARD SPECIFICATIONS EXCEPT THAT THE MEMBRANE CURING COMPOUND METHOD SHALL NOT BE USED.

THE TOP SURFACE OF THE CAP EXCEPT THE BRIDGE SEAT BUILDUPS SHALL BE SLOPED TRANSVERSELY FROM THE FILL FACE TO THE OUTSIDE FACE AT A RATE OF 2%.



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL STAGE 1					
BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#9	1	52'-4"	1,068
B2	8	#5	STR	50'-0"	417
B3	8	#4	STR	26'-4"	141
B4	12	#4	STR	4'-8"	37
B5	6	#9	1	52'-4"	1,068
B6	12	#4	STR	4'-8"	37
B7	6	#5	STR	7'-3"	45
H3	19	#5	8	11'-10"	235
H4	19	#5	8	12'-5"	246
K1	16	#4	STR	26'-4"	281
K4	10	#4	STR	3'-5"	23
S1	50	#5	3	5'-7"	291
S2	50	#5	4	12'-10"	669
S6	20	#4	5	6'-6"	87
U1	46	#4	6	3'-8"	113
U2	40	#4	6	8'-2"	218
U3	2	#5	6	11'-4"	24
U4	2	#5	6	8'-4"	17
U5	1	#5	6	12'-2"	13
U6	1	#5	6	10'-6"	11
U7	1	#5	6	8'-10"	9
U8	2	#5	6	7'-2"	15
V1	93	#5	STR	6'-6"	630
V3	31	#5	STR	8'-8"	280

QUANTITIES - STAGE 1	
REINFORCING STEEL	LBS. 5,975
CLASS A CONCRETE:	
POUR 1: CAP, LOWER WINGS & COLLARS C.Y.	42.0
POUR 2: BACKWALL & UPPER WING C.Y.	8.7
TOTAL	C.Y. 50.7

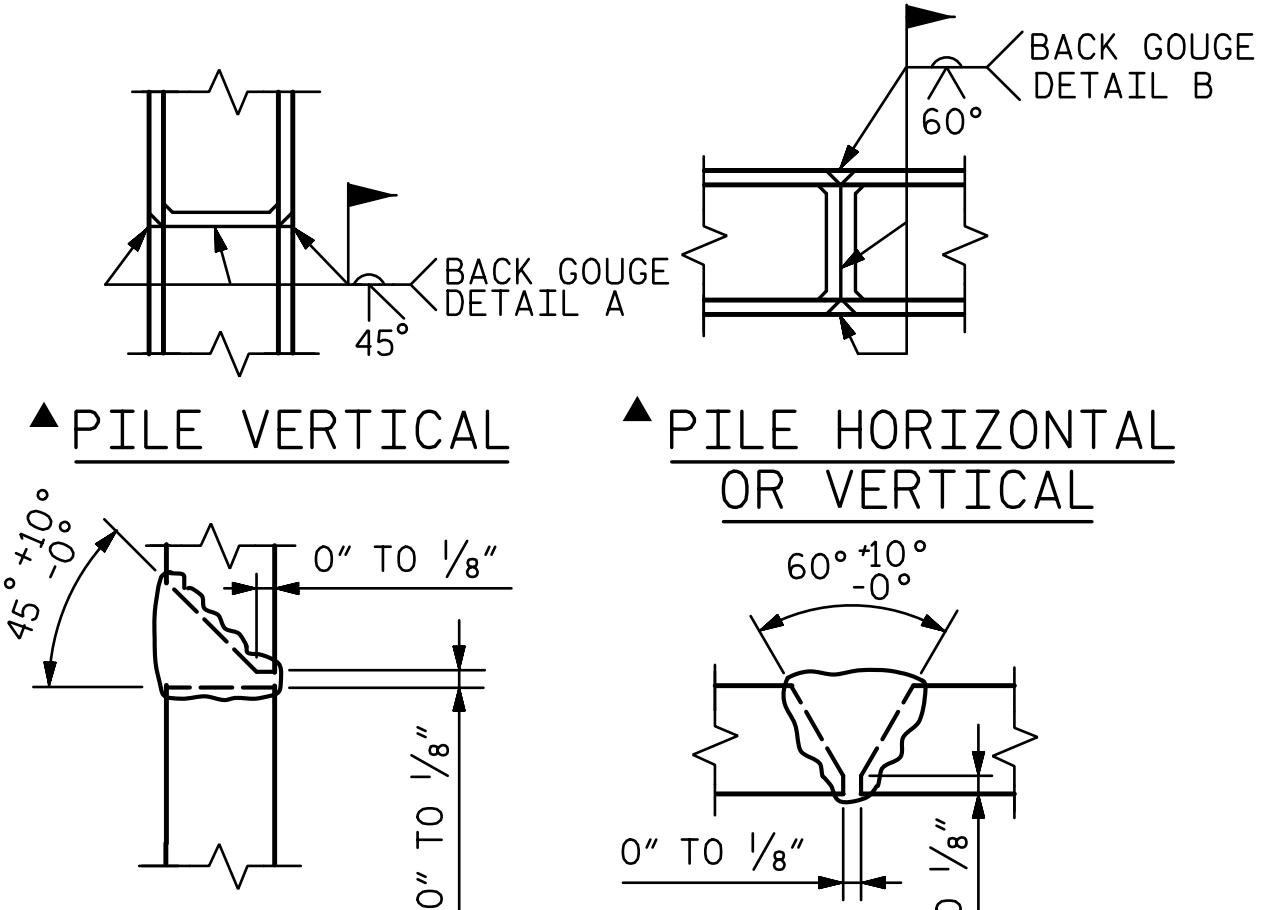
BILL OF MATERIAL STAGE 2					
BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
B4	18	#4	STR	4'-8"	56
B6	18	#4	STR	4'-8"	56
B8	6	#9	2	42'-5"	865
B9	6	#9	STR	23'-1"	471
B10	20	#5	STR	31'-8"	661
B11	8	#4	STR	31'-5"	168
B12	6	#9	2	31'-7"	644
B13	2	#5	STR	33'-11"	71
B14	6	#9	2	42'-5"	865
D1	15	#6	STR	5'-9"	130
K2	16	#4	STR	31'-5"	336
S1	64	#5	3	5'-7"	373
S3	26	#5	4	14'-6"	393
S4	38	#5	4	15'-8"	621
S6	24	#4	5	6'-6"	104
U1	60	#4	6	3'-8"	147
U2	40	#4	6	8'-2"	218
U5	1	#5	6	12'-2"	13
U6	1	#5	6	10'-6"	11
U7	1	#5	6	8'-10"	9
U8	2	#5	6	7'-2"	15
U9	1	#5	6	7'-5"	8
V1	120	#5	STR	6'-6"	814

QUANTITIES - STAGE 2	
REINFORCING STEEL	LBS. 7,049
CLASS A CONCRETE:	
POUR 1: CAP & COLLARS C.Y.	59.9
POUR 2: BACKWALL C.Y.	7.5
TOTAL	C.Y. 67.4

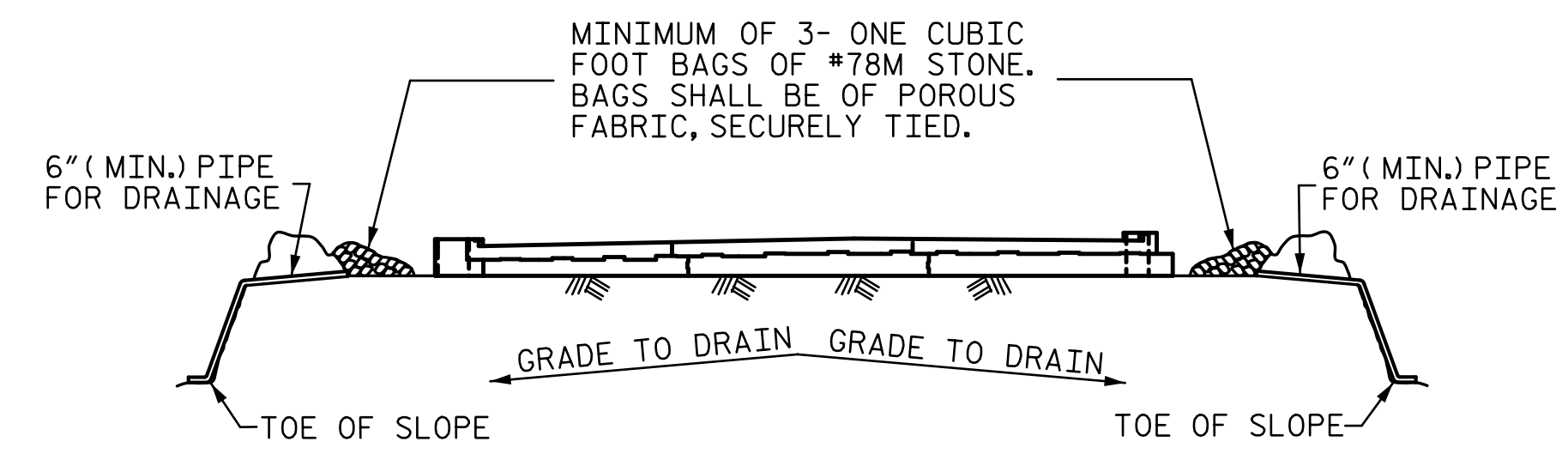
BILL OF MATERIAL STAGE 3					
BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
B4	15	#4	STR	4'-8"	47
B6	18	#4	STR	4'-8"	56
B15	6	#9	STR	26'-4"	537
B16	6	#9	2	38'-4"	782
B17	20	#5	STR	31'-4"	654
B18	8	#4	STR	31'-0"	166
B19	4	#5	STR	31'-4"	131
B20	6	#9	STR	32'-5"	661
B21	6	#9	2	33'-8"	687
H1	22	#5	7	11'-2"	256
H2	22	#5	7	10'-10"	249
K3	16	#4	STR	31'-0"	331
K4	10	#4	STR	3'-5"	23
S1	60	#5	3	5'-7"	349
S4	60	#5	4	15'-8"	980
S6	24	#4	5	6'-6"	104
U1	56	#4	6	3'-8"	137
U2	40	#4	6	8'-2"	218
U9	1	#5	6	7'-5"	8
U10	1	#5	6	11'-9"	12
U11	1	#5	6	12'-11"	13
U12	3	#5	6	12'-9"	40
U13	3	#5	6	9'-3"	29
V1	113	#5	STR	6'-6"	766
V2	29	#5	STR	10'-3"	310

QUANTITIES - STAGE 3	
REINFORCING STEEL	LBS. 7,546
CLASS A CONCRETE:	
POUR 1: CAP, LOWER WINGS & COLLARS C.Y.	65.2
POUR 2: BACKWALL & UPPER WING C.Y.	9.5
TOTAL	C.Y. 74.7

TOTAL END BENT QUANTITIES		
REINFORCING STEEL	LBS.	20,570
CLASS A CONCRETE:	C.Y.	192.8



DETAIL A POSITION OF PILE DURING WELDING.
PILE SPLICE DETAILS



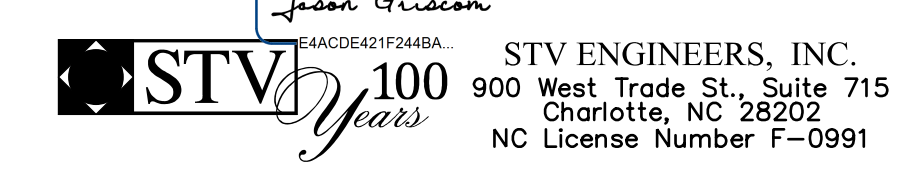
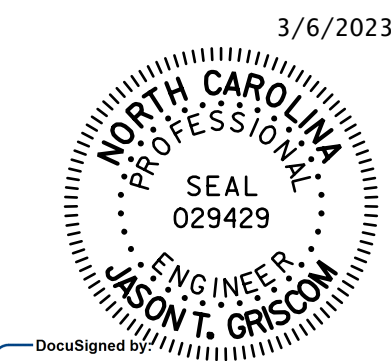
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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

PROJECT NO. **B-5808**
CABARRUS COUNTY
 STATION: **20+64.00 -L-**
 SHEET 6 OF 6



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
END BENT 2					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					S-58
					TOTAL SHEETS 65

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