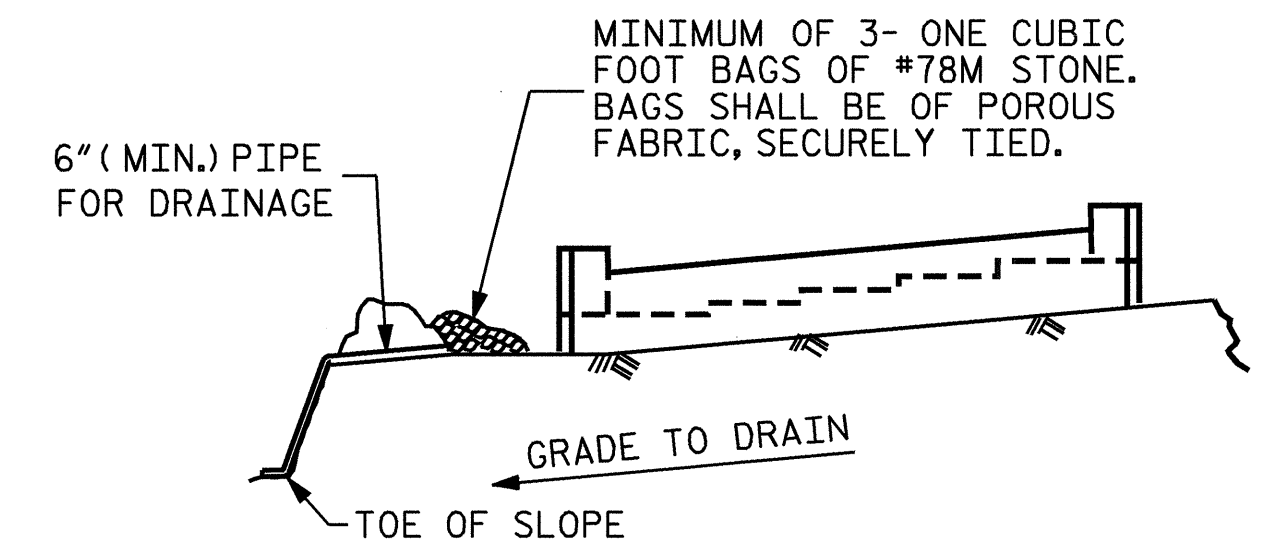


* POSITION OF PILE DURING WELDING.

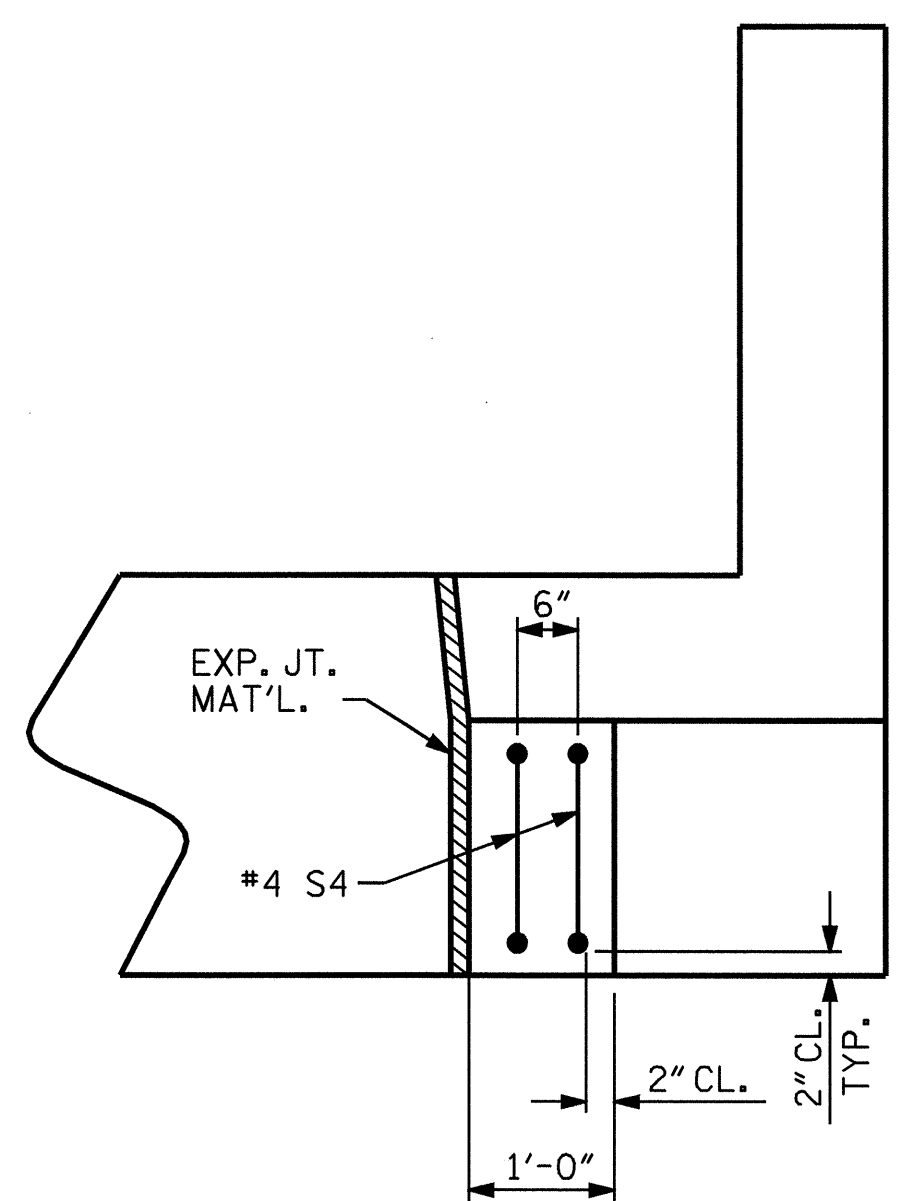
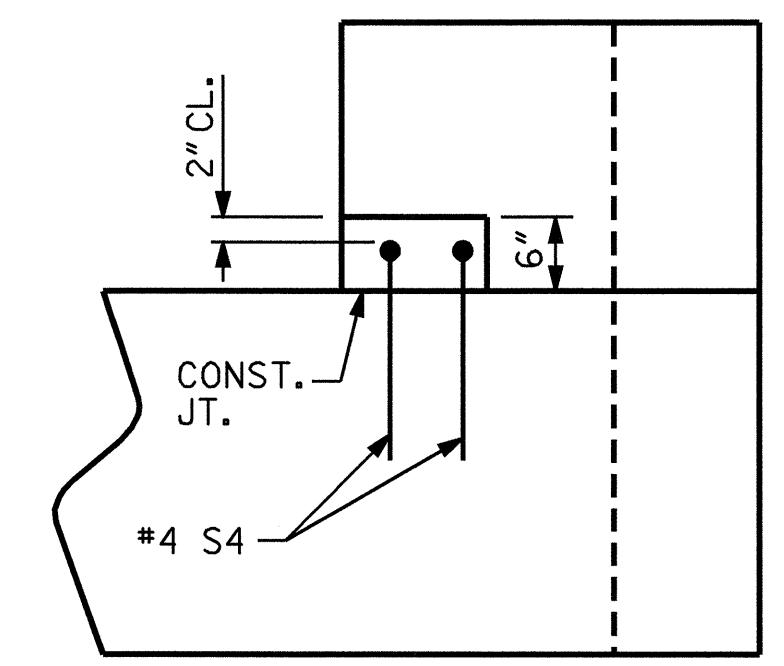


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

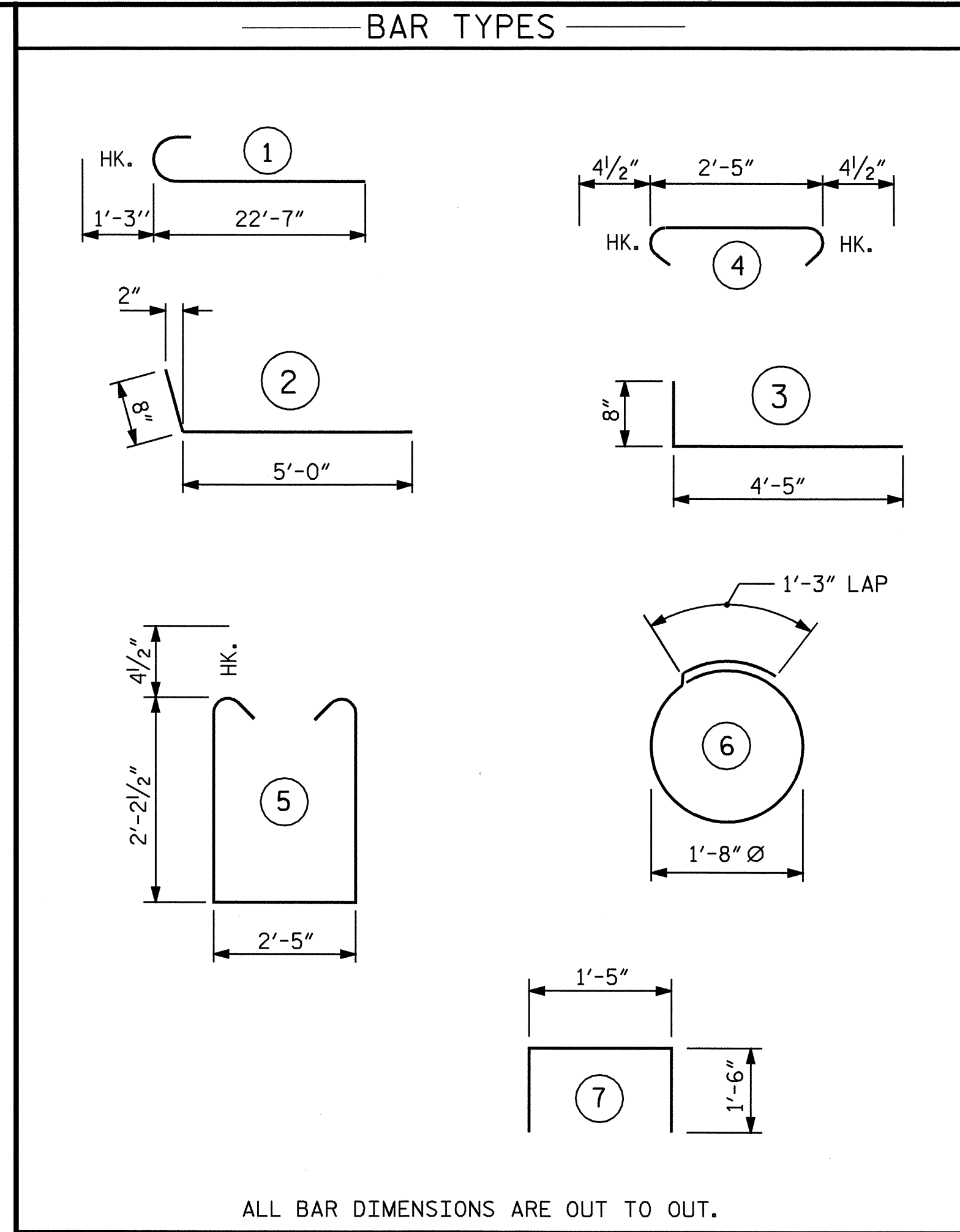
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR 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



LATERAL GUIDE DETAILS
 RIGHT LATERAL GUIDE SHOWN, LEFT LATERAL GUIDE SIMILAR



BILL OF MATERIAL					
END BENT #2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	16	#9	1	23'-10"	1297
B2	4	#4	STR	19'-5"	52
B3	8	#4	STR	19'-5"	104
B4	9	#4	STR	2'-5"	15
D1	20	#6	STR	1'-6"	45
H1	12	#4	2	5'-8"	45
H2	12	#4	3	5'-1"	41
H3	6	#4	STR	2'-10"	11
H4	6	#4	STR	2'-7"	10
S1	34	#4	4	3'-2"	72
S2	34	#4	5	7'-5"	168
S3	10	#4	6	6'-6"	43
S4	4	#4	7	4'-5"	12
V1	18	#4	STR	4'-5"	53
V2	16	#4	STR	4'-2"	45
REINFORCING STEEL					= 2013 LBS
CLASS A CONCRETE					
POUR #1: CAP & BOTTOM OF WINGS					
					10.1 C.Y.
POUR #2: TOP OF WINGS					
					1.1 C.Y.
POUR #3: LATERAL GUIDE					
					0.1 C.Y.
TOTAL CLASS A CONCRETE					11.3 C.Y.
HP 12 X 53 STEEL PILES					
NO. 5				LIN. FT.	50
STEEL PILE POINTS					5 EA.

PROJECT NO. B-3666
HENDERSON COUNTY
 STATION: 16+25.50 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 END BENT #2

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-17
1			3			TOTAL SHEETS 21
2			4			

