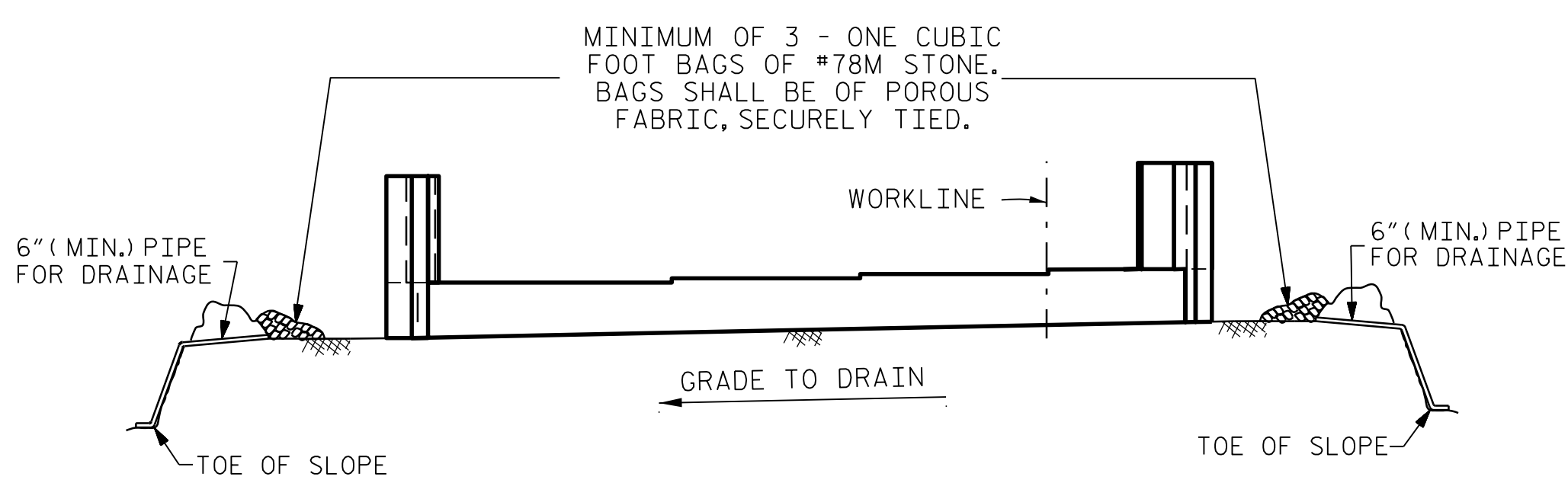


PILE SPlice DETAILS



MINIMUM OF 3 - ONE CUBIC FOOT BAGS OF #78M STONE. BAGS SHALL BE OF POROUS FABRIC, SECURELY TIED.

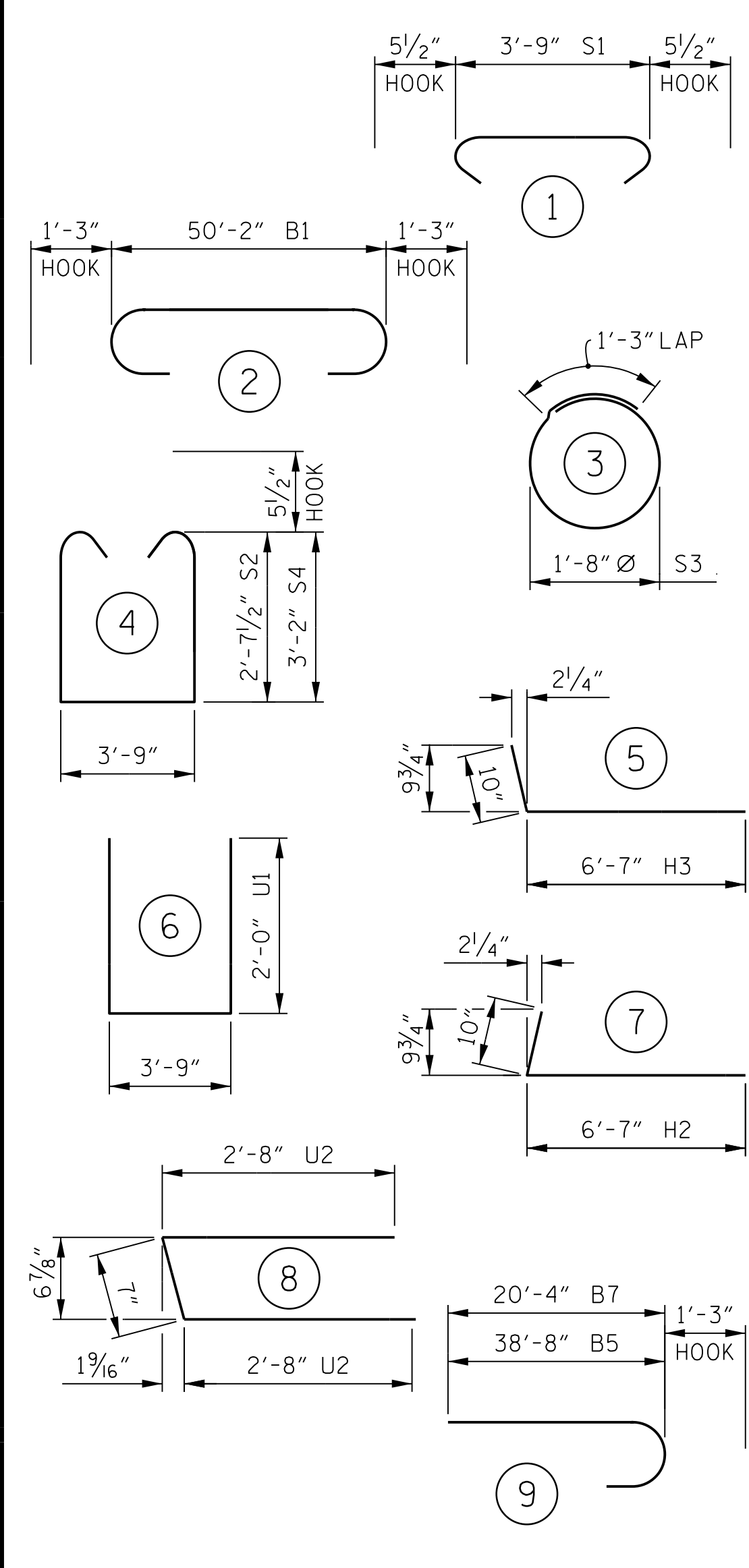
BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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 FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT 2

BAR No.	SIZE	TYPE	LENGTH	WEIGHT
B1	#9	2	52'-8"	1,074
B2	#5	STR	50'-2"	314
B3	#4	STR	3'-9"	38
B4	#4	STR	26'-4"	141
B5	#9	9	39'-11"	814
B6	#4	STR	14'-6"	58
B7	#9	9	21'-7"	440
B8	#4	STR	8'-9"	35
H1	#5	STR	6'-7"	96
H2	#5	7	7'-5"	108
H3	#5	5	7'-5"	108
S1	#5	1	4'-8"	370
S2	#5	4	9'-11"	465
S3	#4	3	6'-6"	156
S4	#5	4	11'-0"	356
U1	#4	6	7'-9"	88
U2	#4	8	5'-11"	55
V1	#5	STR	8'-11"	186
V2	#4	STR	4'-6"	180
V3	#5	STR	9'-11"	207

REINFORCING STEEL 5,289 LBS.

CLASS "A" CONCRETE
POUR 1 COLLARS, CAP AND LOWER WINGS 27.8 CU. YDS.
POUR 2 BACKWALL AND UPPER WINGS 4.4 CU. YDS.
TOTAL 32.2 CU. YDS.

PILE DRIVING EQUIPMENT
SETUP FOR HP 12 x 53 STEEL PILES 9 EACH

HP 12 x 53 STEEL PILES
9 REQUIRED 675.0 LIN. FT.

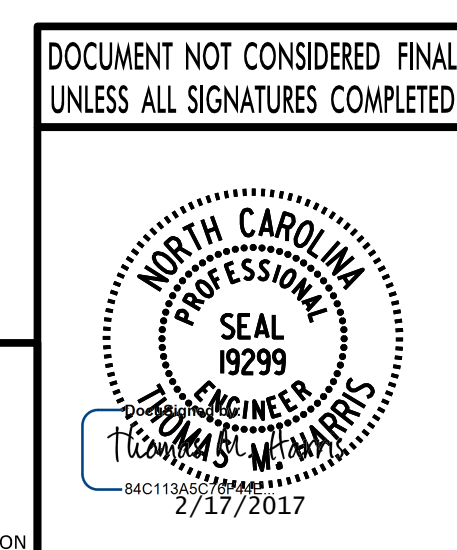
PROJECT NO. R-2707C
CLEVELAND COUNTY
STATION: 611+32.01 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
END BENT 2
(LEFT LANE)

REVISIONS		SHEET No.	
No.	BY:	DATE:	No.
1			3
2			4



PLANS PREPARED BY:
PARSONS
5540 CenterView Drive, Suite 217
Raleigh, NC 27606-3386
NC LICENSE No. F-0246

DRAWN BY: K. E. LOFTON DATE: 6-16
CHECKED BY: A. D. SHAH DATE: 10-16
DESIGN ENGINEER: T. M. HARRIS DATE: 10-16