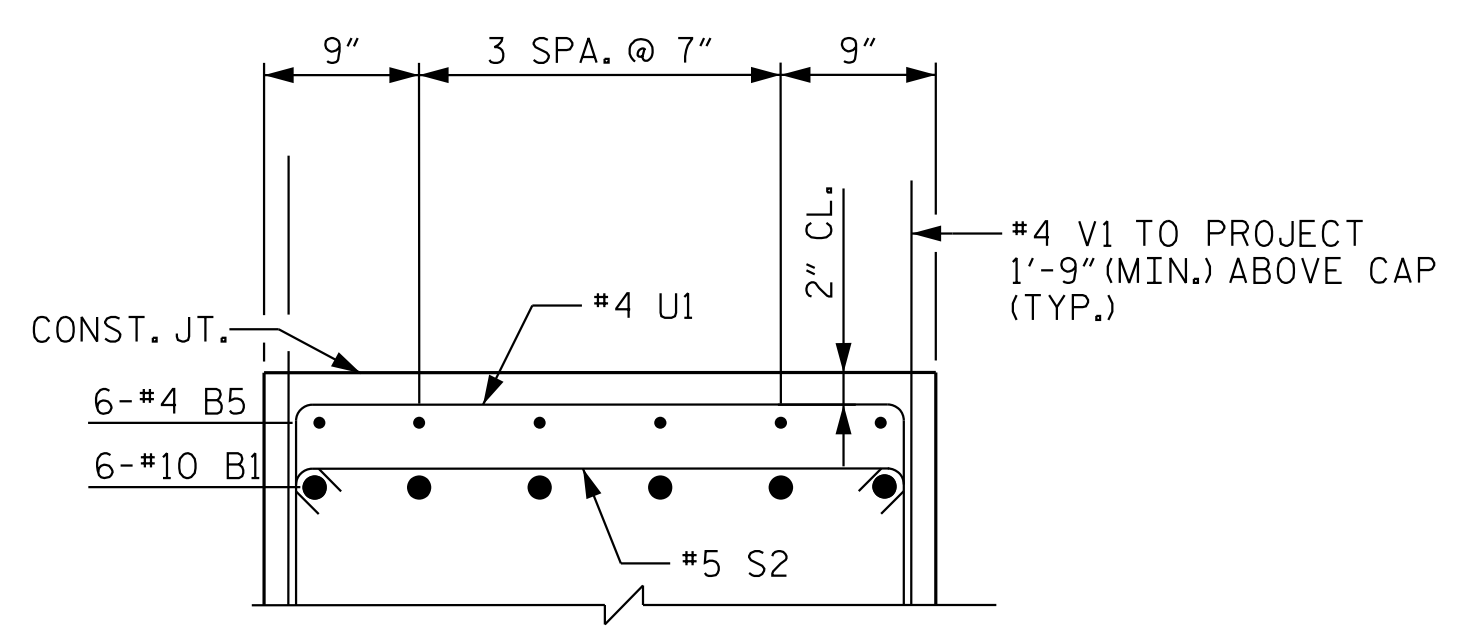
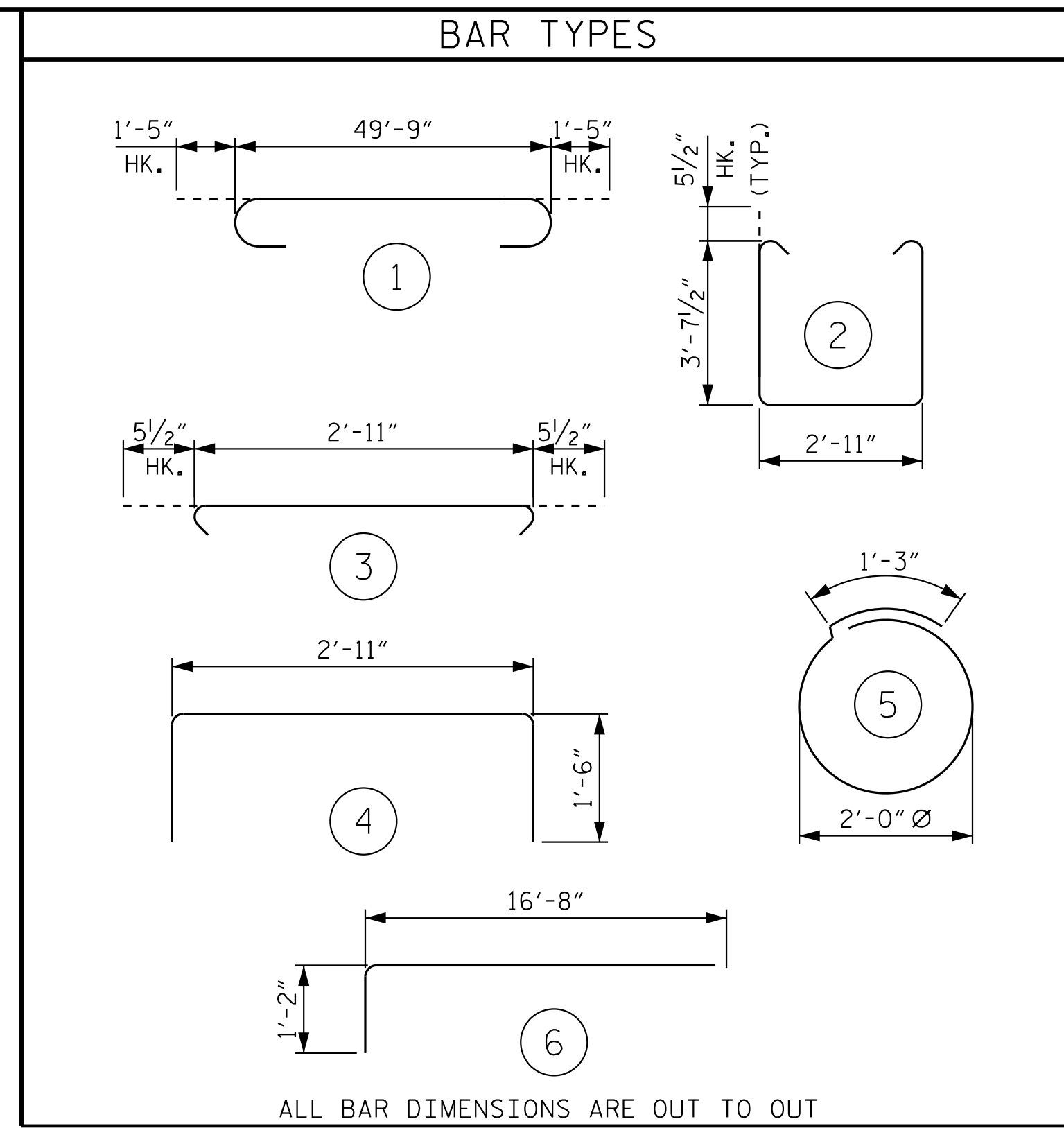


SECTION A-A
(FOR LOCATION OF SECTION, SEE SHEET 1 OF 3)



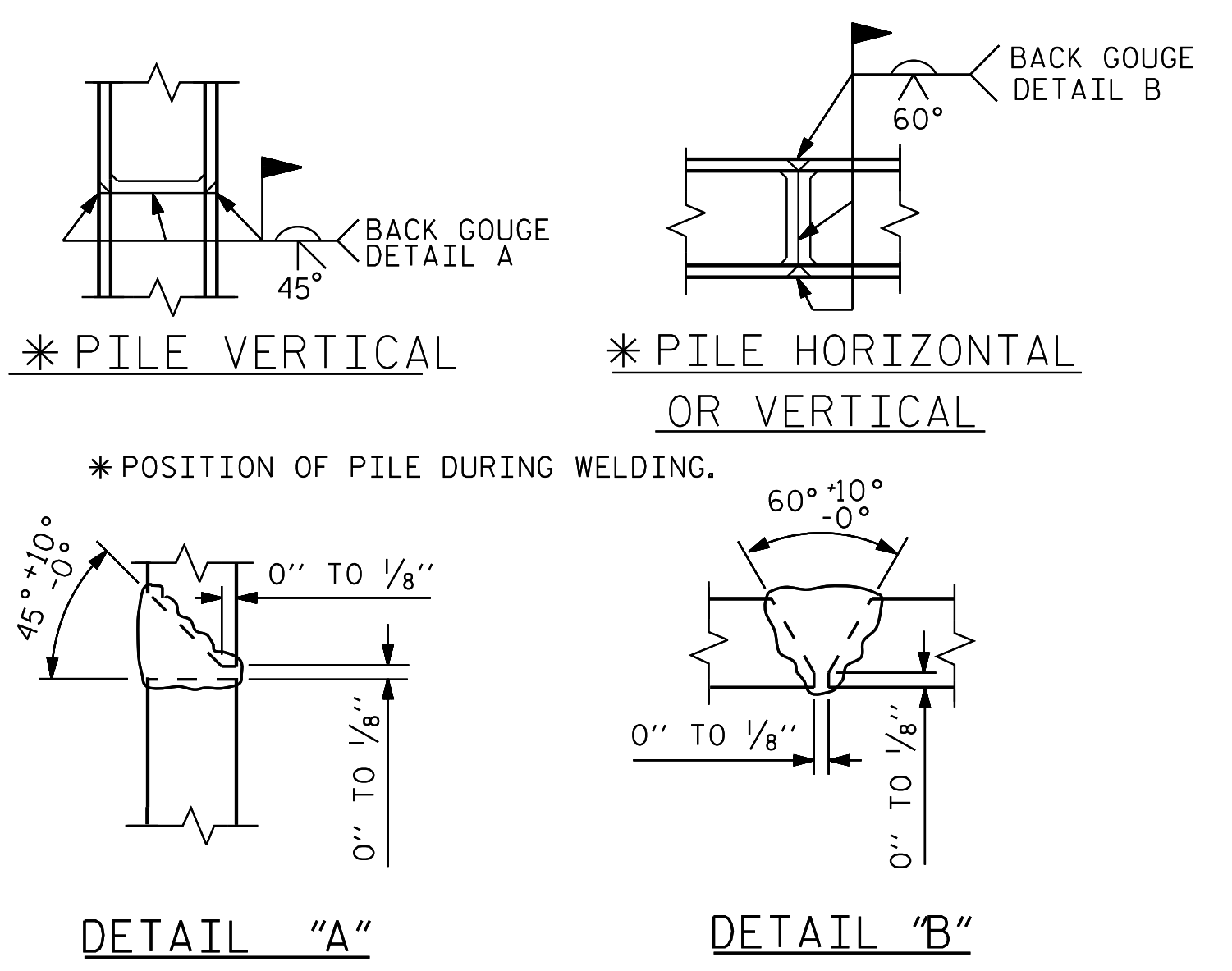
PARTIAL SECTION B-B
(FOR LOCATION OF SECTION, SEE SHEET 1 OF 3)



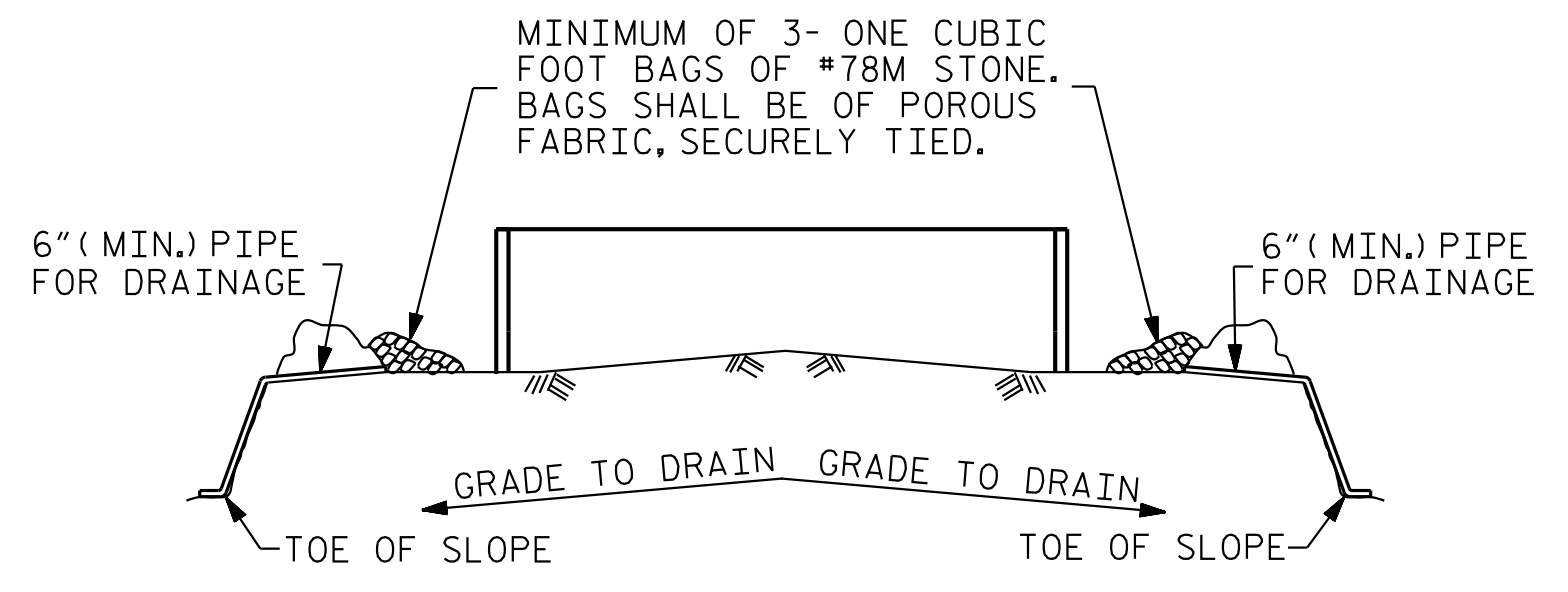
ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL					
END BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	12	10	1	52'-7"	2,715
B2	6	5	STR	49'-9"	311
B3	8	4	STR	26'-1"	139
B4	14	4	STR	2'-11"	27
B5	6	4	STR	18'-2"	73
H1	32	7	6	17'-10"	1,166
S1	48	5	2	11'-1"	555
S2	48	5	3	3'-10"	192
S3	28	4	5	7'-7"	142
U1	13	4	4	5'-11"	51
V1	88	4	STR	6'-0"	353
V2	32	5	STR	10'-4"	345
V3	32	5	STR	10'-6"	350

REINFORCING STEEL 6,419 LBS.
CLASS A CONCRETE BREAKDOWN
POUR 1 (CAP, LOWER WING WALLS, & COLLARS) 30.8 C.Y.



HP 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.

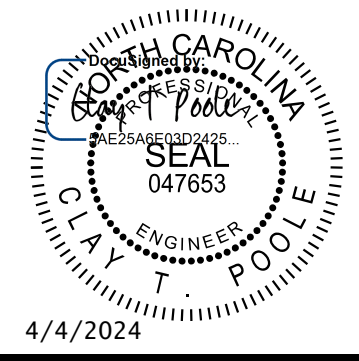
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR 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. U-5108
MECKLENBURG COUNTY
STATION: 74+01.00 -L-

SHEET 3 OF 3



Kimley»Horn
421 Fayetteville Street, Suite 600
Raleigh, NC 27601-1772
Phone (919) 677-2000
NC LICENSE # F-0102

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUBSTRUCTURE
END BENT 1
SECTION AND DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-27
1			3			TOTAL SHEETS
2			4			33

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

K:\BIDI-Structures\Bridges\NC\01036359 - U-5108\Cad\Drawings\08_SML\E3_591403.dgn 2/28/2024

DRAWN BY: J. I. KIMBLE DATE: 10/2023
CHECKED BY: T. H. ORR DATE: 10/2023
DESIGN ENGINEER OF RECORD: C. T. POOLE DATE: 10/2023