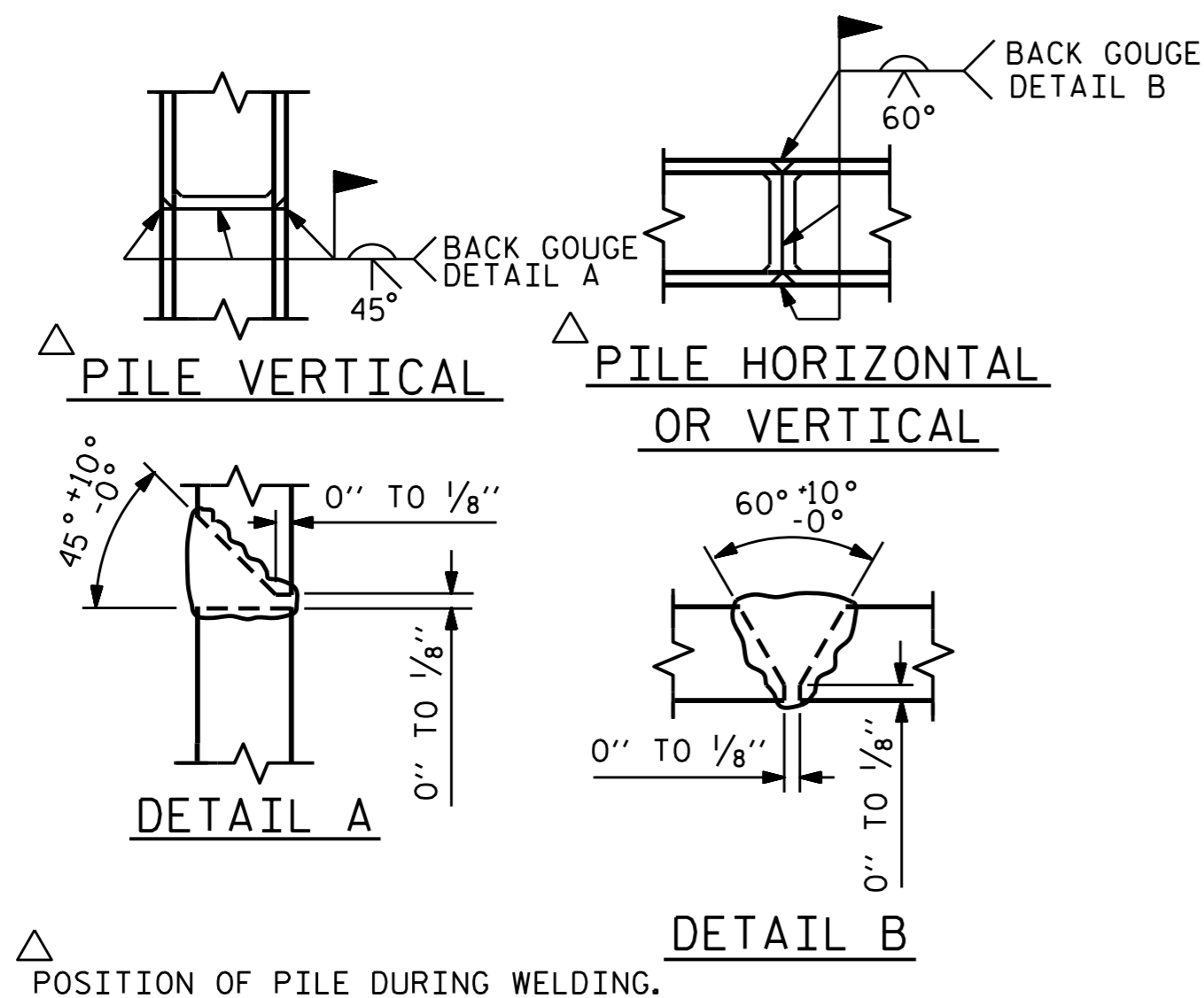


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

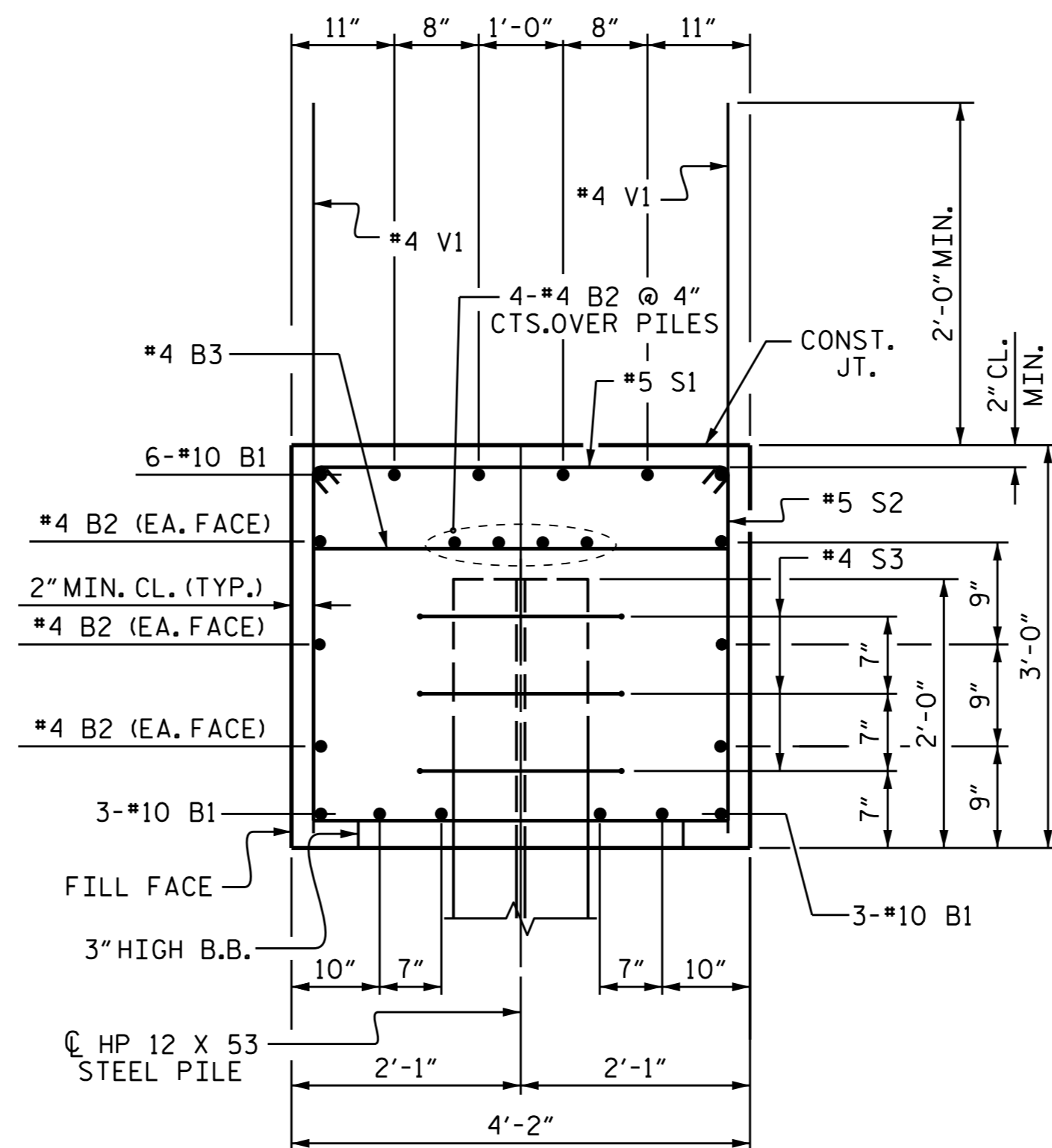
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

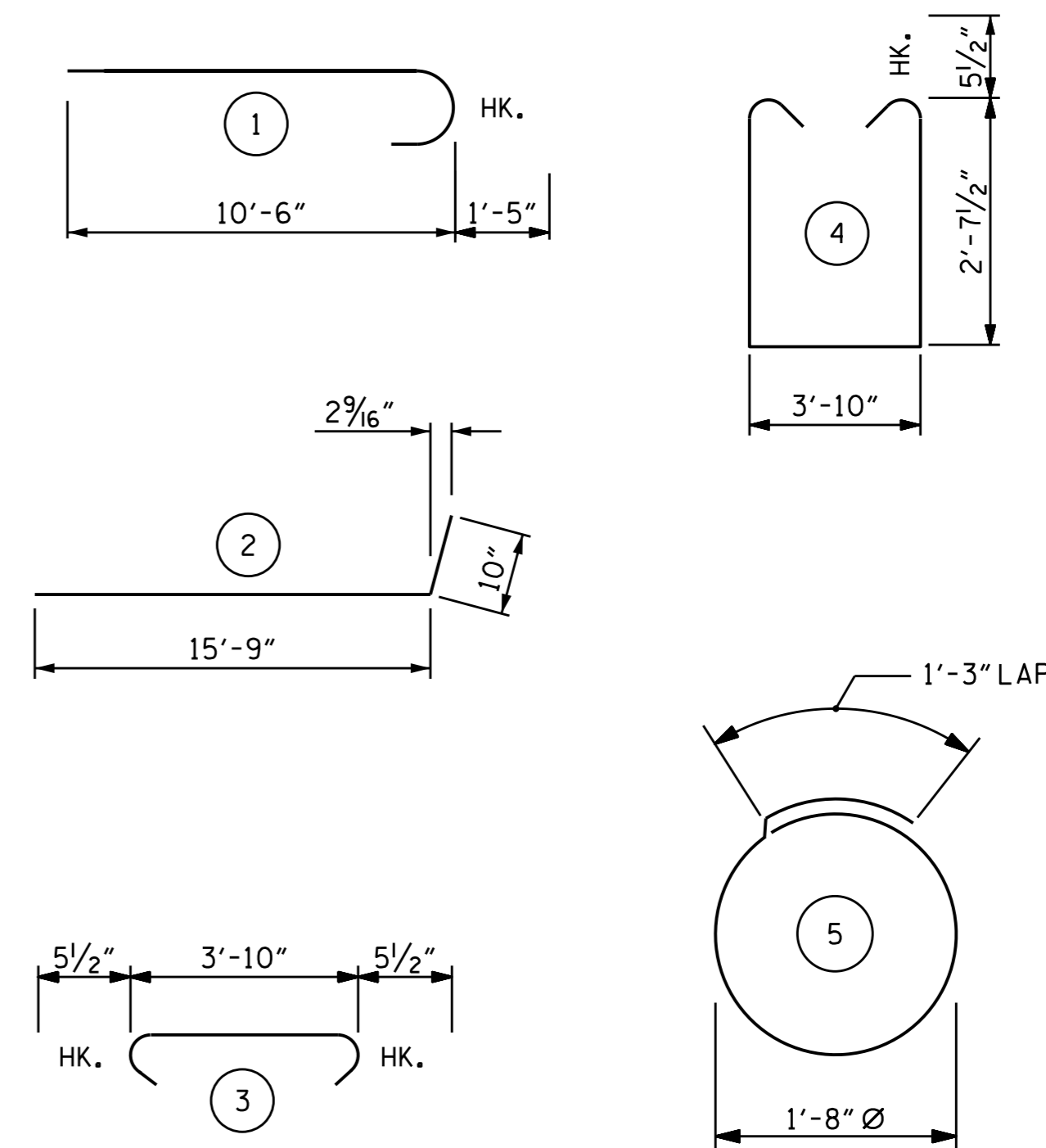


PILE SPLICE DETAILS



SECTION A-A

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

INTEGRAL END BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	12	#10	1	11'-11"	615
B2	10	#4	STR.	10'-9"	72
B3	3	#4	STR.	3'-10"	8
D1	12	#6	STR.	3'-0"	54
H1	6	#5	2	16'-7"	104
S1	15	#5	3	4'-9"	74
S2	15	#5	4	10'-0"	156
S3	9	#4	5	6'-6"	39
V1	18	#4	STR.	5'-0"	60
V2	29	#5	STR.	5'-0"	151

REINFORCING STEEL LBS. 1,333

CLASS A CONCRETE
POUR #1
(CAP & LOWER PART OF WING)

TOTAL	CU. YDS.	6.5
TOTAL	CU. YDS.	6.5

HP 12 X 53 STEEL PILES
NO. 2 LIN. FT. 120

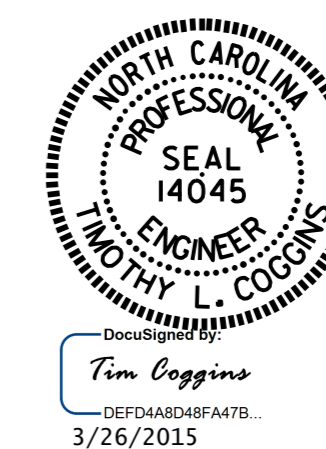
PILE REDRIVES
EACH 2

PROJECT NO. R-2514D
JONES & CRAVEN COUNTY
STATION: 625+23.28 -L-

SHEET 4 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
INTEGRAL END BENT 1



DRAWN BY: K. P. SEDAI DATE: 9/24/14
CHECKED BY: B. N. BARODAWALA DATE: 12/19/14
DESIGN ENGINEER OF RECORD: K. P. SEDAI DATE: _____

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S18-026
1			3			TOTAL SHEETS 39
2			4			