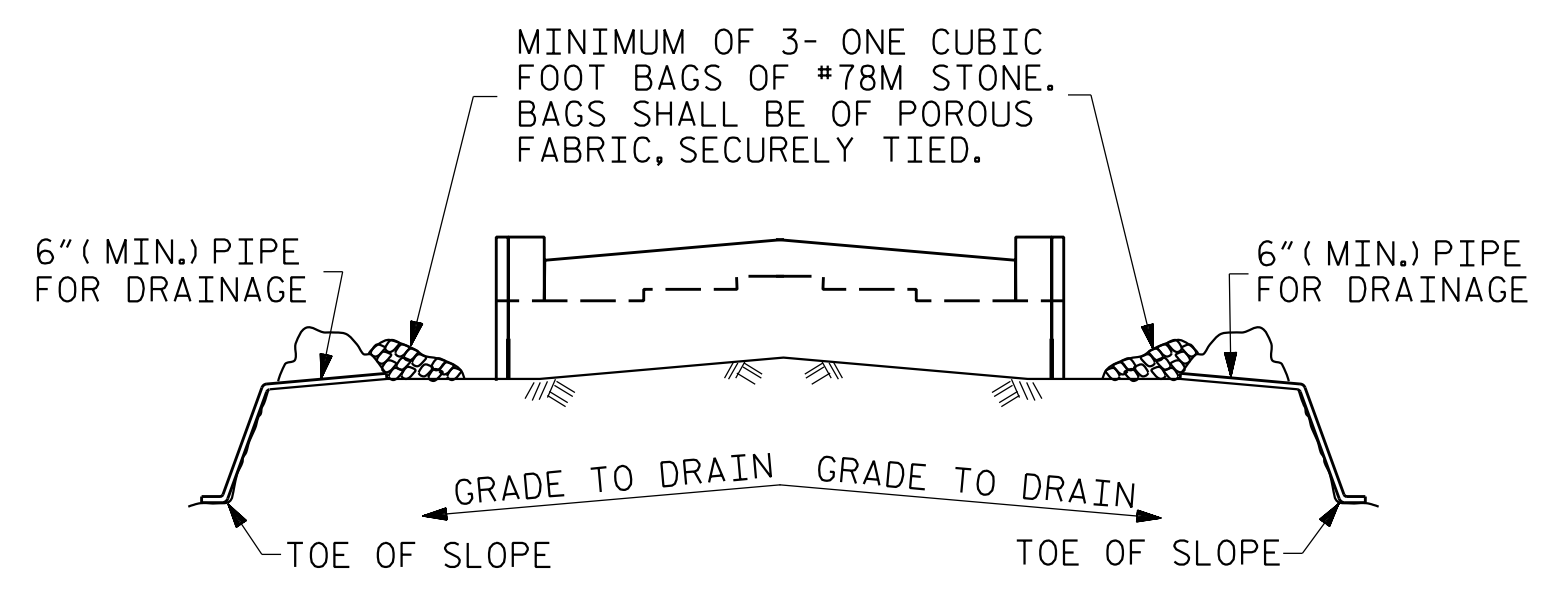


PART SECTION B1-B1

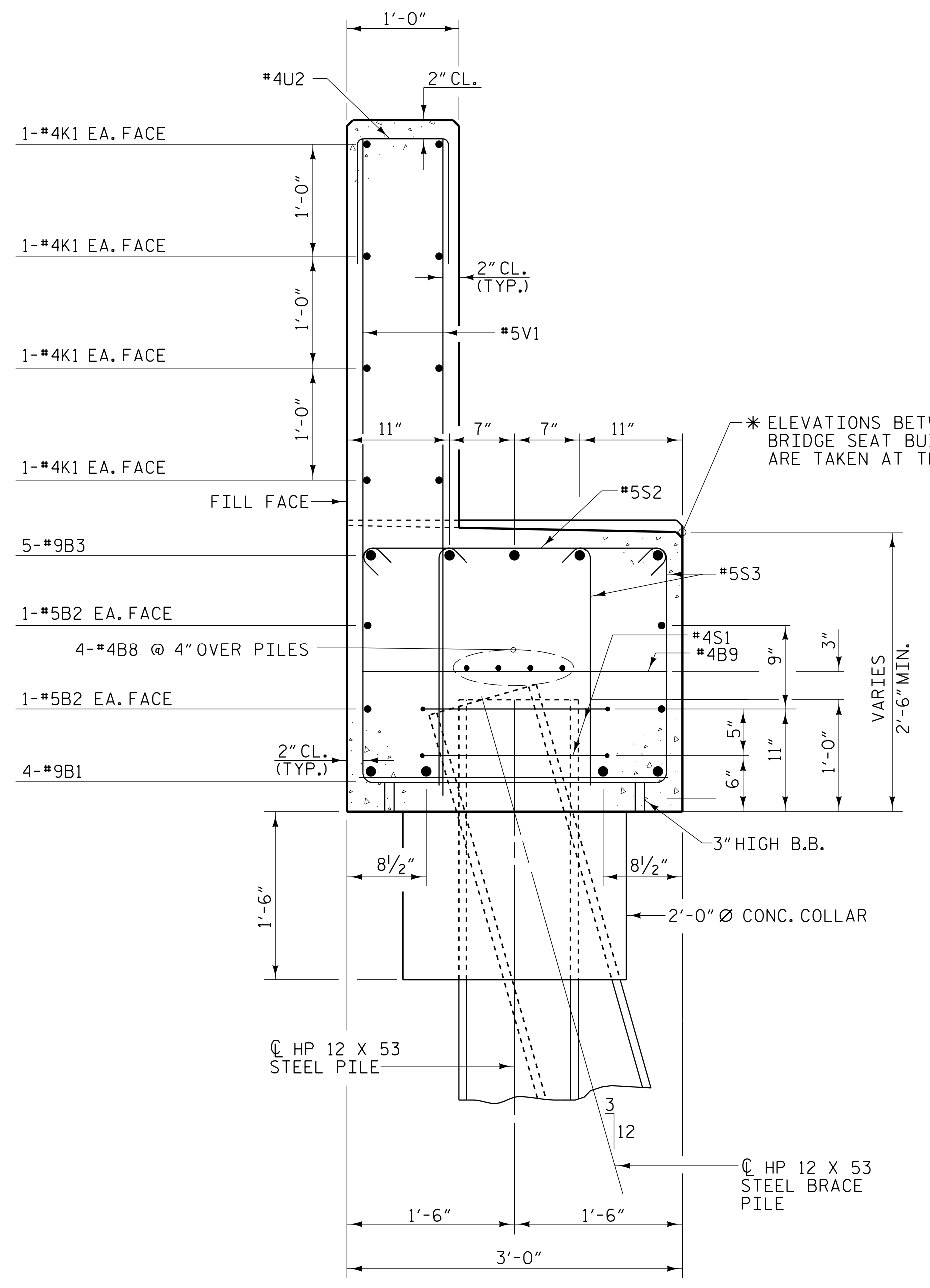


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

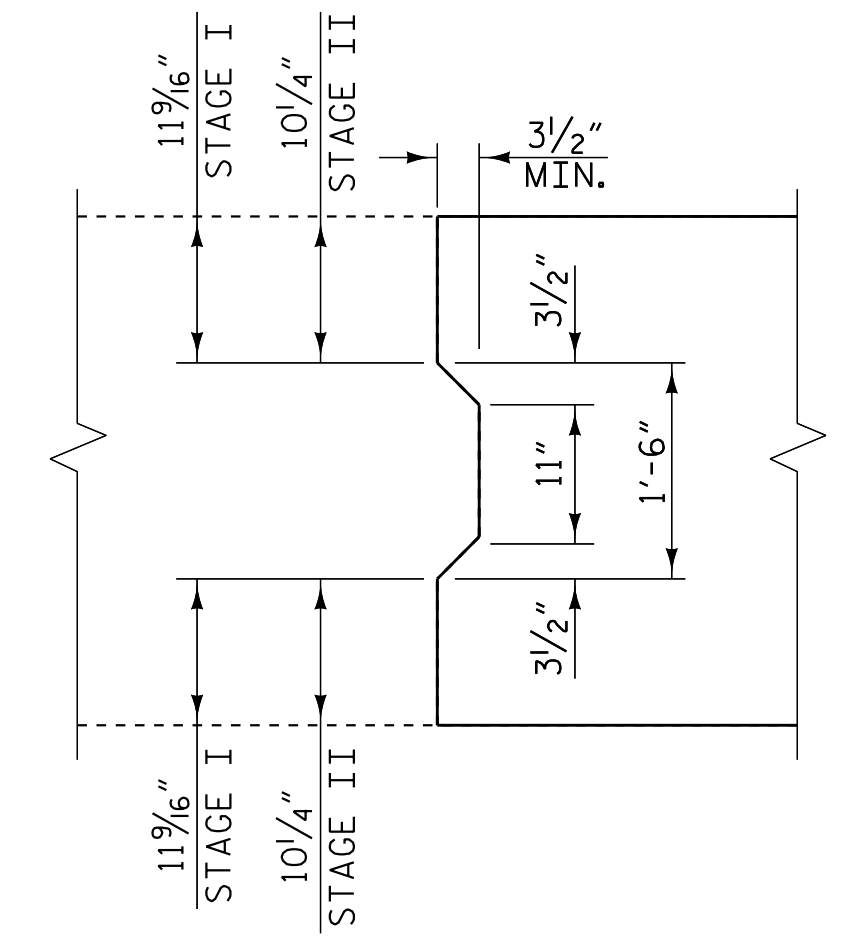
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

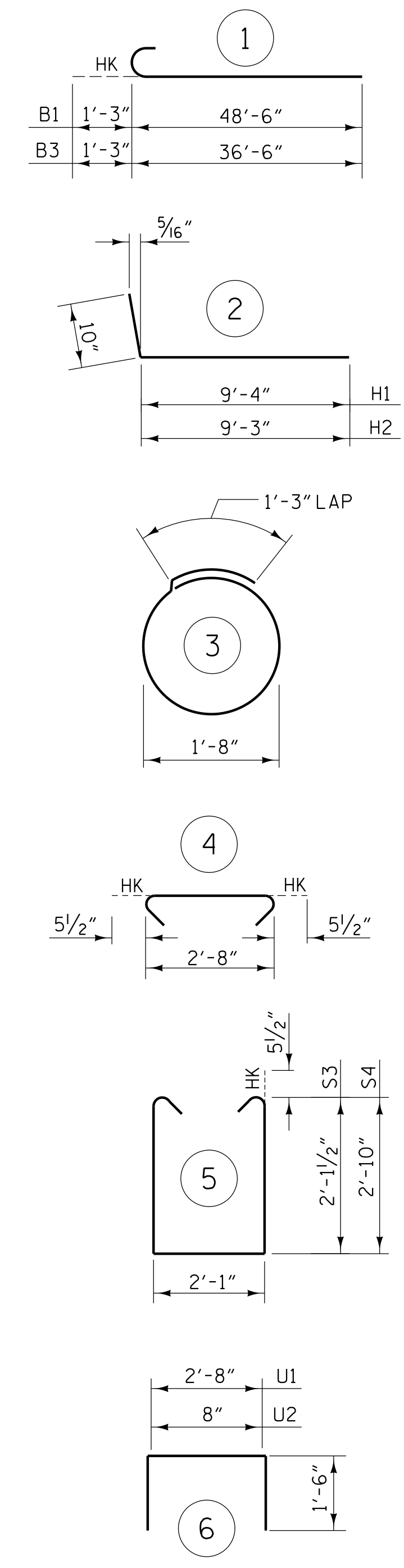


SECTION A1-A1



DETAIL "B"

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

END BENT 1 - STAGE I					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#9	1	49'-9"	677
B2	4	#5	STR	47'-5"	198
B3	5	#9	1	37'-9"	642
B4	2	#5	STR	16'-5"	34
B5	5	#4	STR	11'-5"	38
B6	5	#9	STR	21'-3"	361
B7	5	#4	STR	3'-11"	13
B8	8	#4	STR	24'-8"	132
B9	11	#4	STR	2'-8"	20
H1	10	#5	2	10'-2"	106
H2	10	#5	2	10'-1"	105
K1	16	#4	STR	23'-1"	247
K2	8	#4	STR	2'-8"	14
S1	10	#4	3	6'-6"	43
S2	52	#5	4	3'-7"	194
S3	66	#5	5	7'-3"	499
S4	38	#5	5	8'-8"	343
U1	16	#4	6	5'-8"	61
U2	41	#4	6	3'-8"	100
V1	82	#5	STR	5'-9"	492
V2	26	#4	STR	7'-5"	129
TOTAL REINFORCING STEEL					4448 lbs.

CLASS "A" CONCRETE - CU. YARDS	
POUR 1 (CAP, COLLARS, LOWER WING)	16.0 CU. YDS.
POUR 2 (BACKWALL & UPPER WING)	8.0 CU. YDS.
TOTAL	24.0 CU. YDS.

PROJECT NO. **I-5987B**
ROBESON COUNTY
 STATION: **586+14.00 -L- POT**

SHEET 4 OF 6

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 END BENT 1
 DETAILS
 STAGE I

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			64
2			4			

PLANS PREPARED BY:

NV5 ENGINEERS & CONSULTANTS, INC.
 3300 REGENCY PARKWAY, SUITE 100
 CARY, NC 27518
 P: 919.851.1912 www.nv5.com
 NC License # F-1333

4/24/2022

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

4/22/2022 6:00:33 PM G:\Project\2019\2019\7\03\CLIENT\Structures\I-5987B (Big Marsh Swamp)\5987B_SMU_E4_170536.dgn

DRAWN BY: **W. B. ALLEN** DATE: **12/21**
 CHECKED BY: **G. F. WILSON** DATE: **2/22**
 DESIGN ENGINEER OF RECORD: **L. K. AUSTIN** DATE: **2/22**