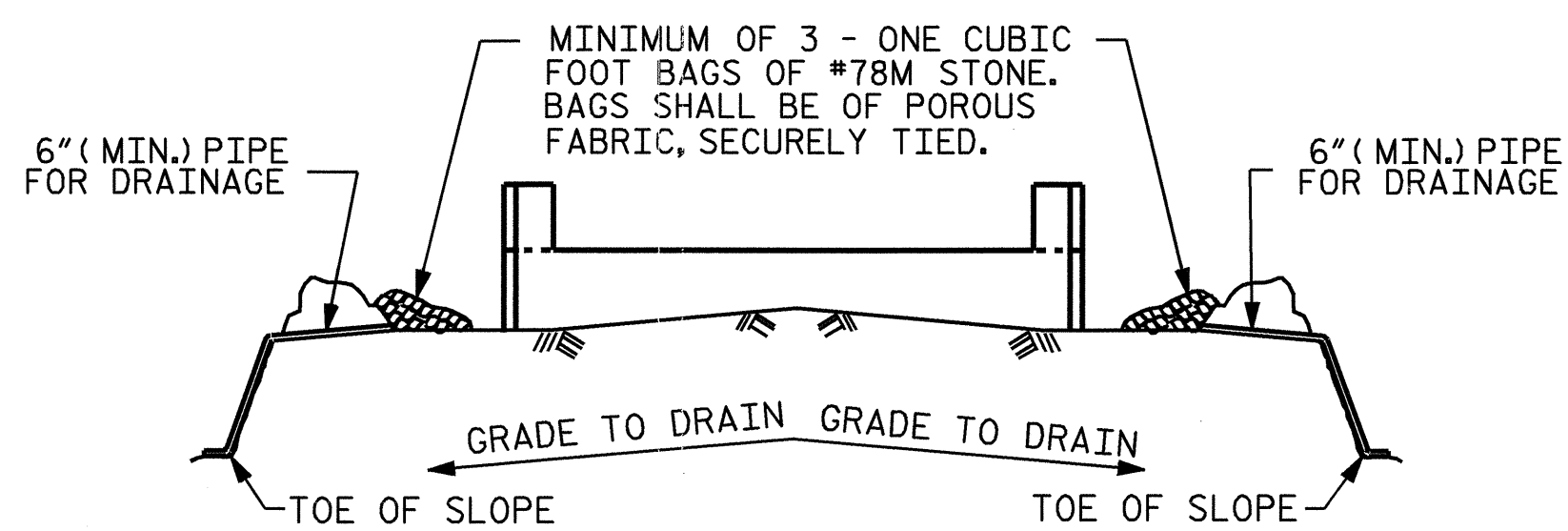
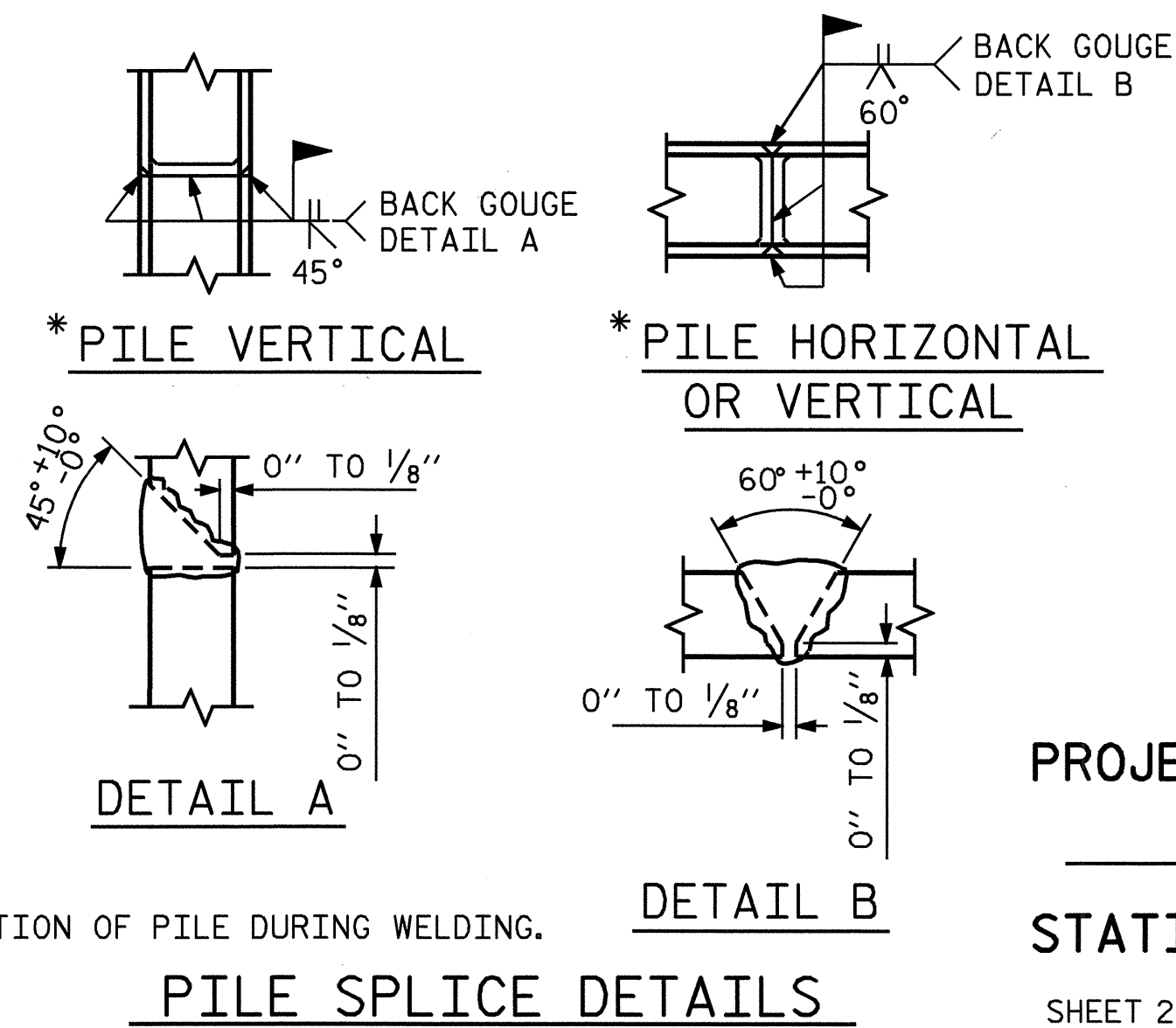
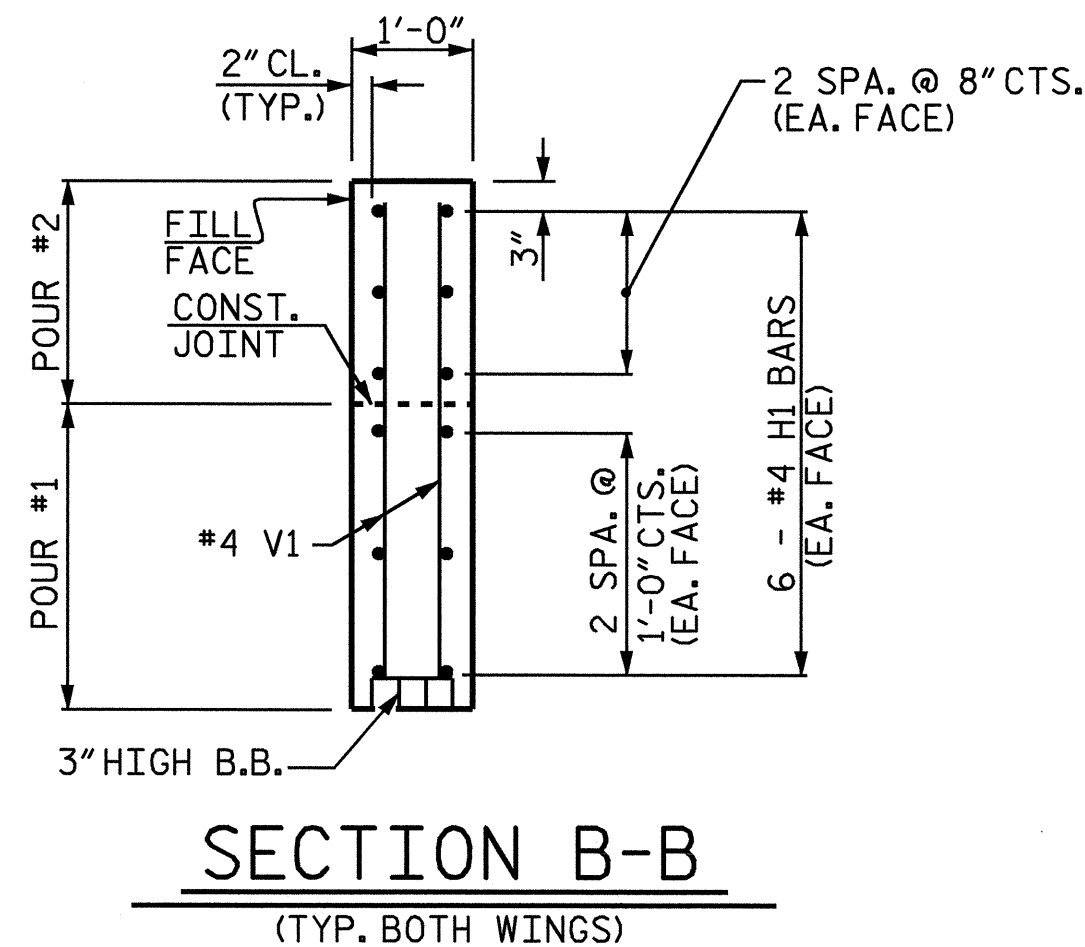
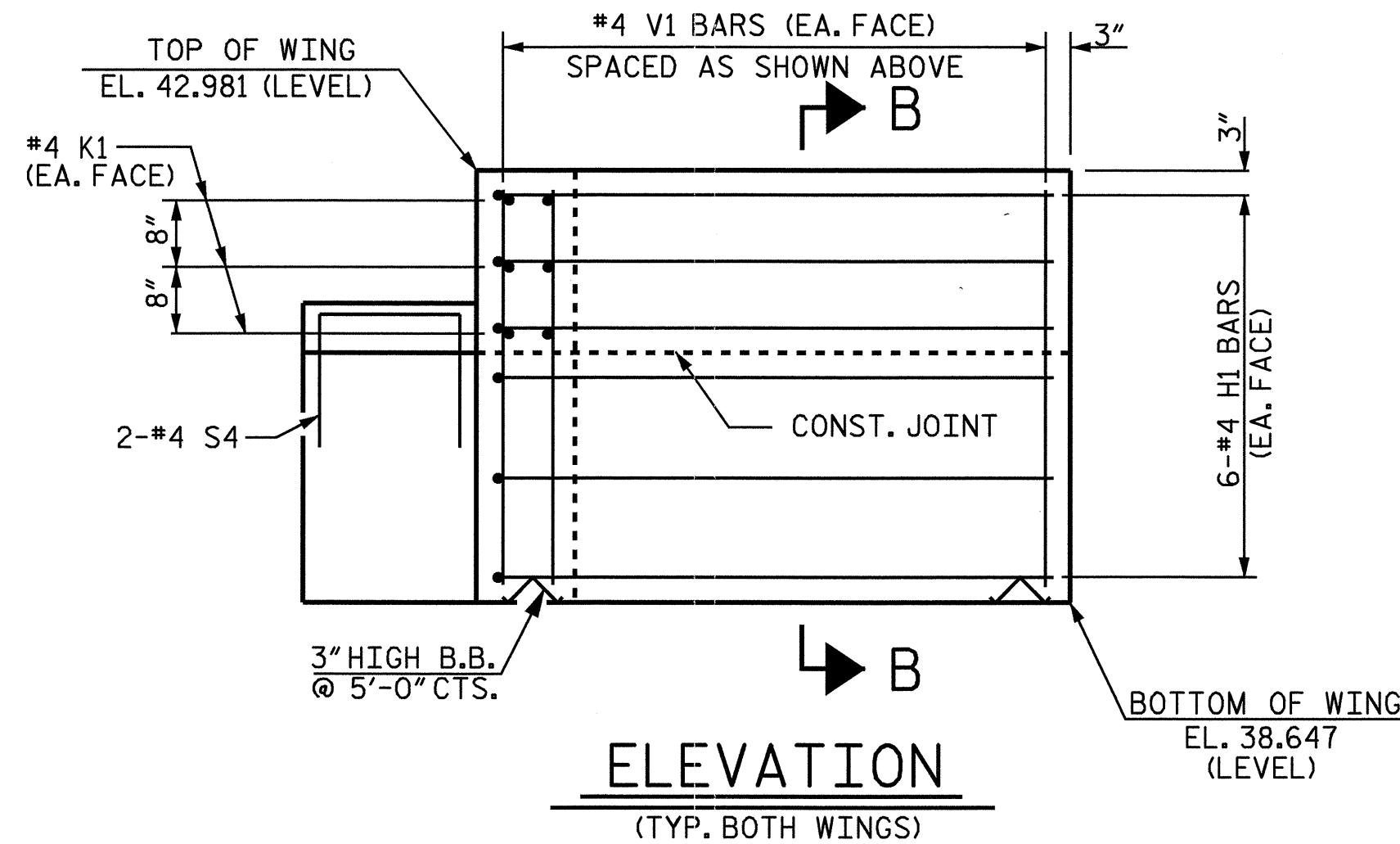


BAR TYPES

1: HK. 1'-3" 47'-6" 1'-3"
2: 8" 5'-8"
3: 4 1/2" HK. 2'-1 1/2" 2'-5"
4: 4 1/2" 2'-5" 4 1/2" HK.
5: 1'-3" LAP 1'-8" Ø
6: 1'-5" 1'-4"

ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
END BENT NO. 1					
BAR NO	SIZE	TYPE	LENGTH	WEIGHT	
B1	8 9	1	50'-0"	1360	
B2	16 4	STR	25'-1"	268	
B3	12 4	STR	2'-5"	19	
D1	28 6	STR	1'-6"	63	
H1	24 4	2	6'-4"	102	
K1	12 4	STR	2'-6"	20	
S1	50 4	3	7'-5"	248	
S2	50 4	4	3'-2"	106	
S3	18 4	5	6'-6"	78	
S4	4 4	6	4'-1"	11	
V1	36 4	STR	4'-0"	96	
REINFORCING STEEL			LBS.	2371	
CLASS A CONCRETE BREAKDOWN :					
POUR #1 - (CAP & LOWER WINGS)			13.3 C.Y.		
POUR #2 - (UPPER WINGS)			1.1 C.Y.		
POUR #3 - (LATERAL GUIDES)			0.1 C.Y.		
TOTAL			14.5 C.Y.		
HP 12 x 53 STEEL PILES NO. = 9 LIN. FEET = 540					

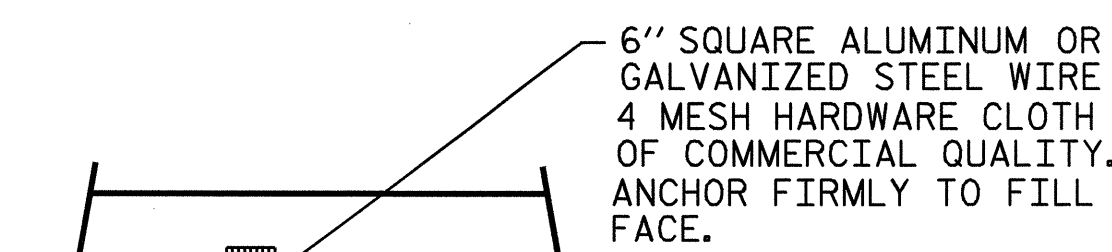
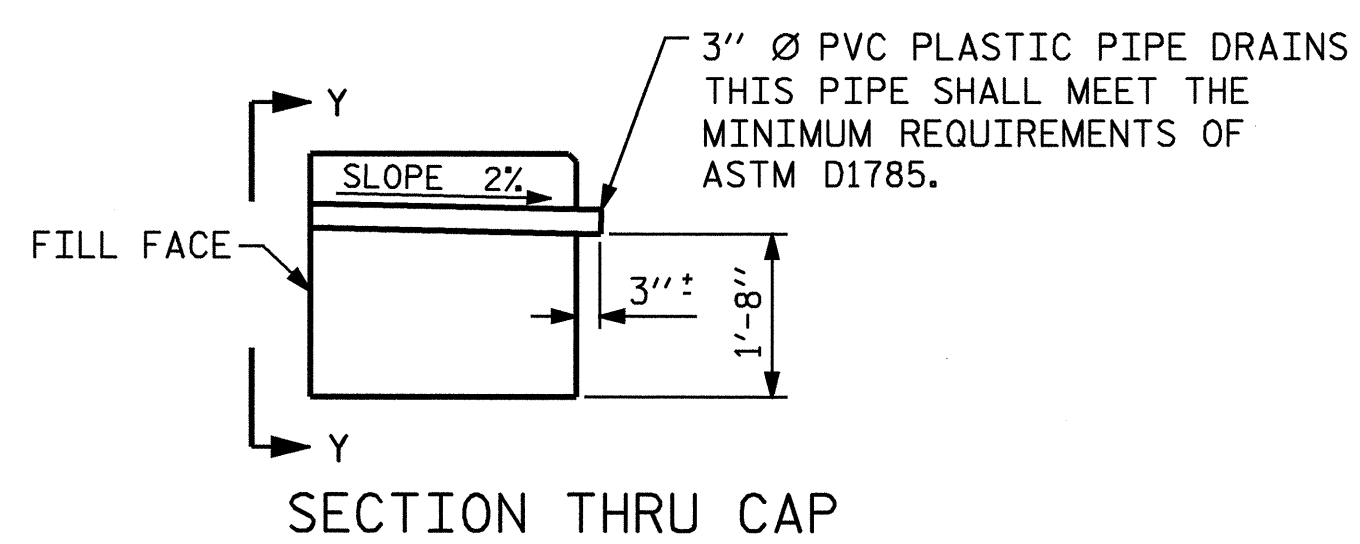


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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



NOTE: NO SEPARATE PAYMENT WILL BE MADE FOR FURNISHING AND INSTALLING THE PVC PLASTIC PIPE DRAINS, HARDWARE CLOTH AND FASTENERS. THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

PIPE DRAIN DETAILS

PROJECT NO. B-3871
MARTIN COUNTY
STATION: 16+67.50 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
END BENT No. 1



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

TOTAL SHEETS 16