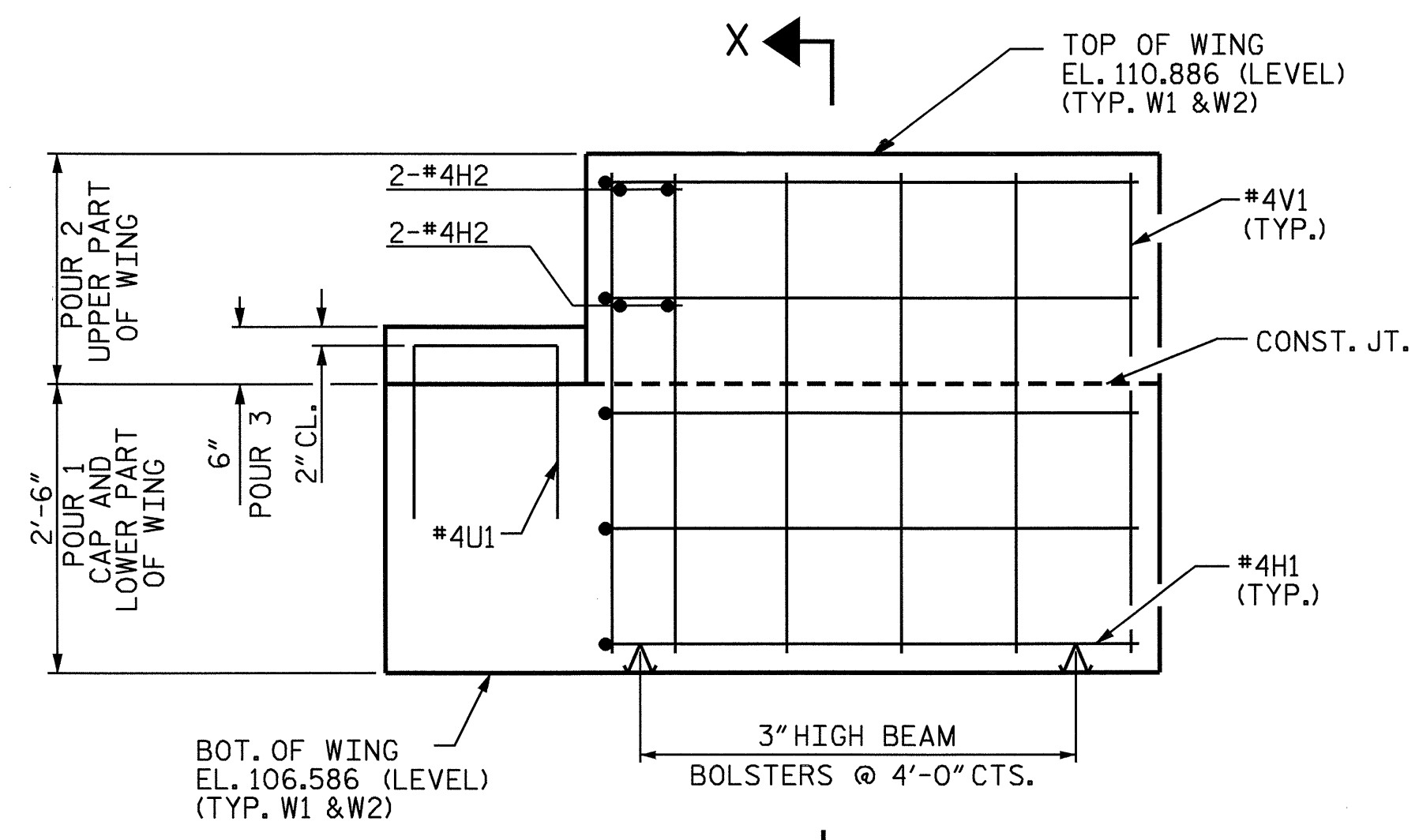
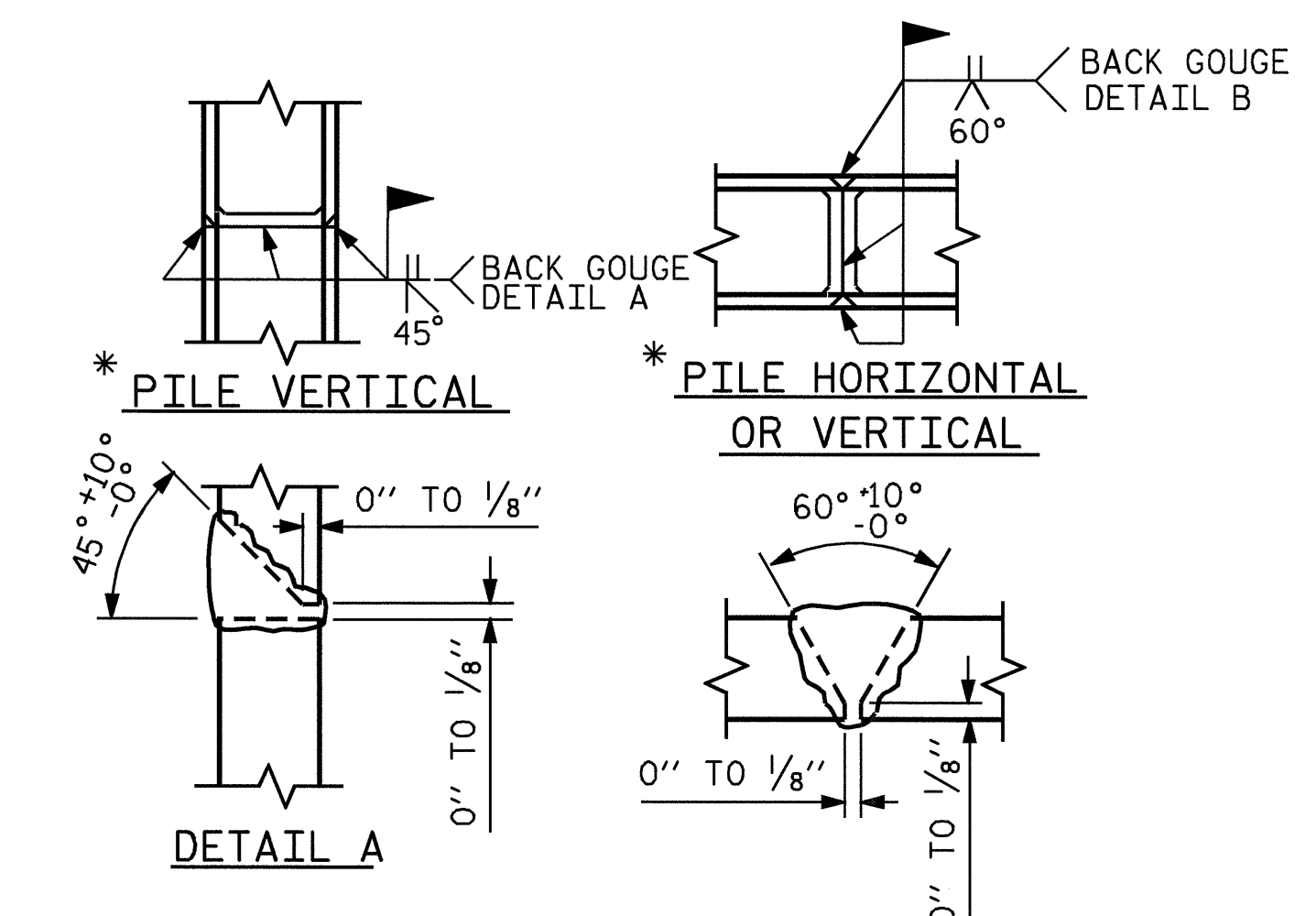


**PLAN OF WING-W1**  
WING W1 SHOWN, WING W2 SIMILAR



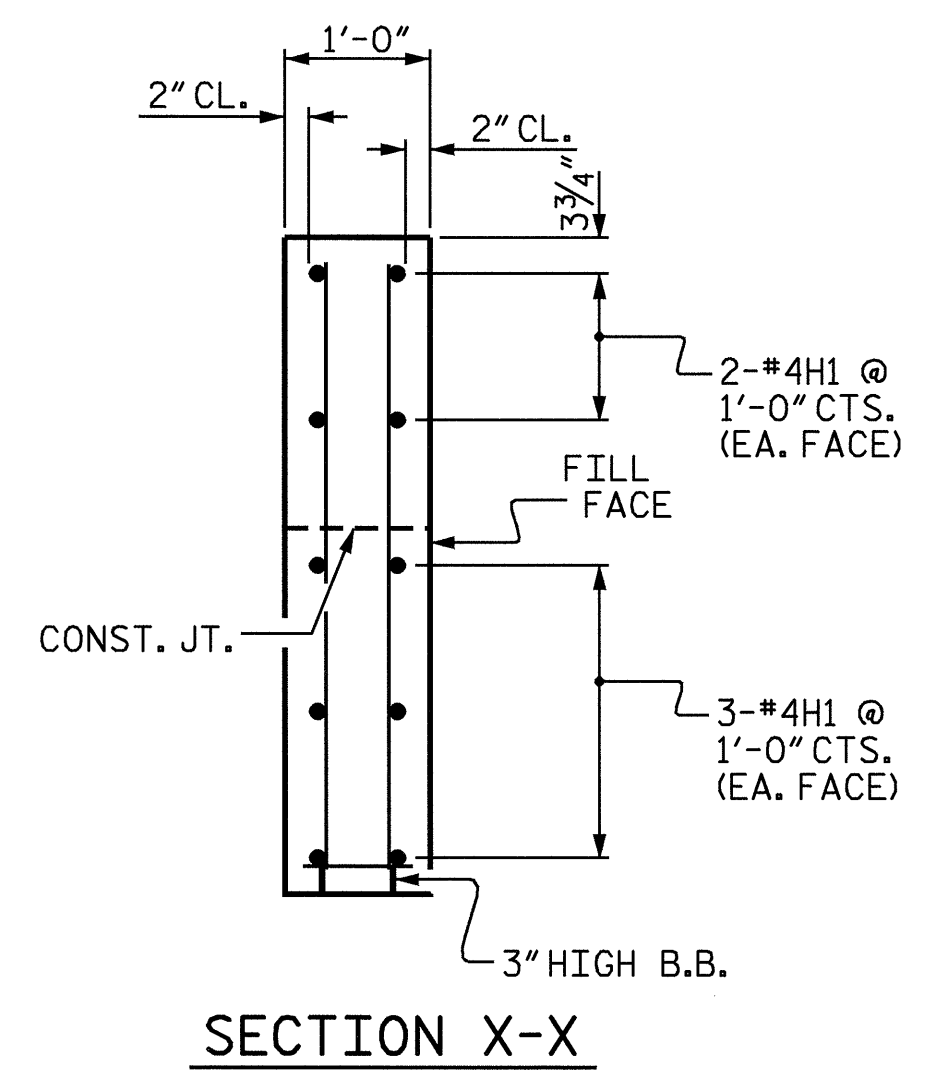
**ELEVATION OF WING-W1**  
WING W1 SHOWN, WING W2 SIMILAR



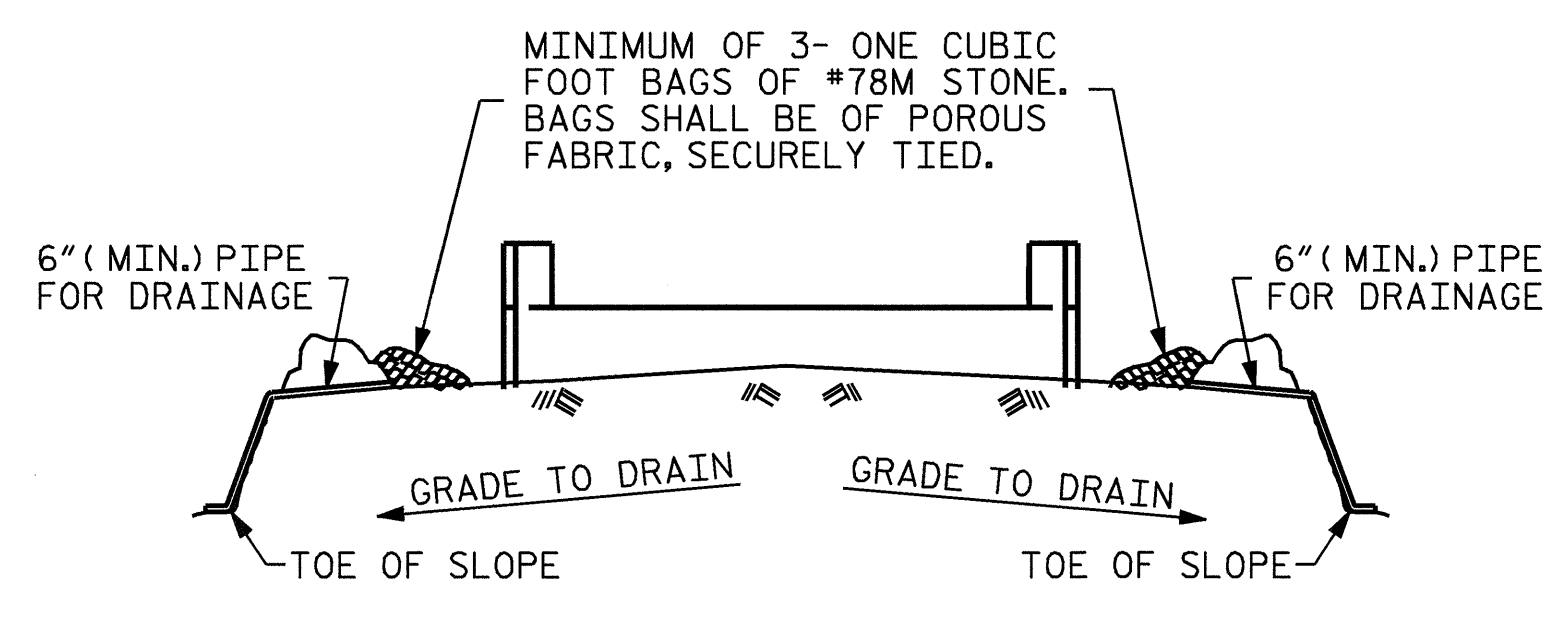
**PILE SPLICE DETAILS**

BAR TYPES				BILL OF MATERIAL		
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	8	9	1	53'-0"	1442	
B2	2	5	STR	50'-6"	105	
B3	8	4	STR	26'-6"	142	
B4	13	4	STR	2'-5"	21	
D1	30	6	STR	1'-6"	68	
H1	20	4	5	5'-3"	70	
H2	8	4	STR	2'-6"	13	
S1	44	4	4	7'-5"	218	
S2	44	4	2	3'-2"	93	
S3	16	4	3	6'-6"	69	
U1	4	4	6	4'-5"	12	
V1	32	4	STR	3'-9"	80	
REINFORCING STEEL					2333	LBS.
<u>CLASS A CONCRETE BREAKDOWN</u>						
POUR 1 - CAP AND LOWER PORTION OF WINGS					13.8	C.Y.
POUR 2 - UPPER PORTION OF WINGS					1.0	C.Y.
POUR 3 - LATERAL GUIDES					0.1	C.Y.
CLASS A CONCRETE TOTAL					14.9	C.Y.
<u>HP 12 x 53 STEEL PILES</u>						
					NO. 8	320 LIN. FEET

ALL BAR DIMENSIONS ARE OUT TO OUT.



**SECTION X-X**



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. **B-3906**  
**SAMPSON** COUNTY  
STATION: **28+52.50 -L-**

SHEET 2 OF 2

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

**SUBSTRUCTURE**  
**END BENT 1**

REVISIONS						TOTAL SHEETS
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			38
2			4			

Professional Engineer Seal for Steven K. Clavel, License No. 21545, dated 12/20/04.

DRAWN BY : SWANCCPE DATE 06/04  
CHECKED BY : N.Q. TRAN DATE 06/04