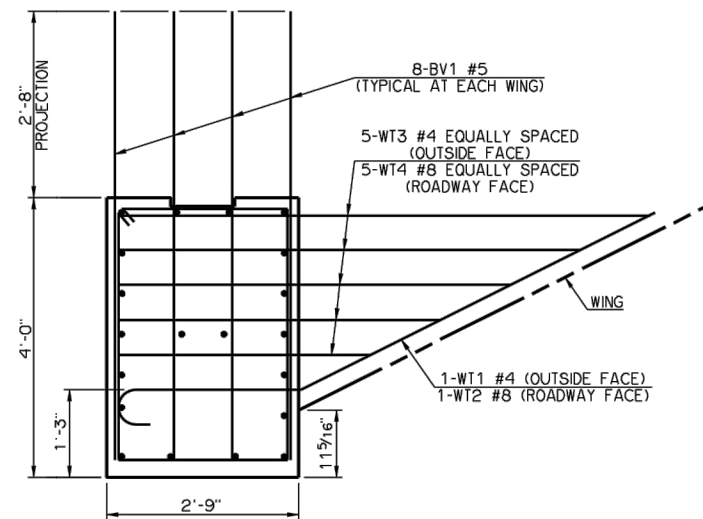
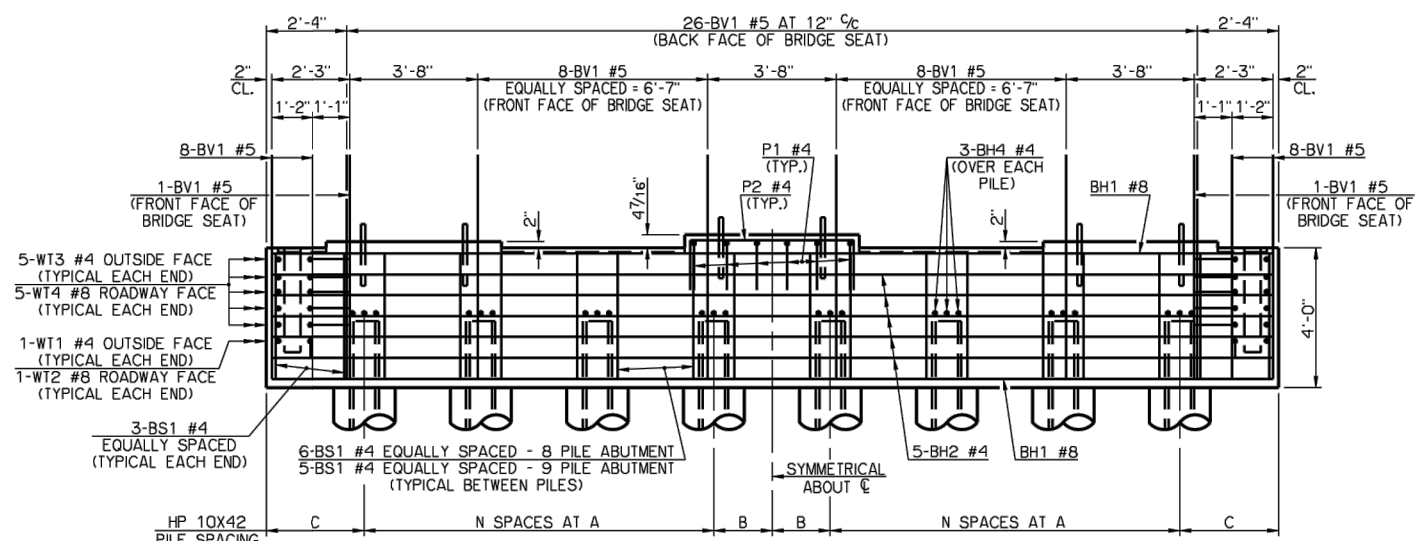


PLAN

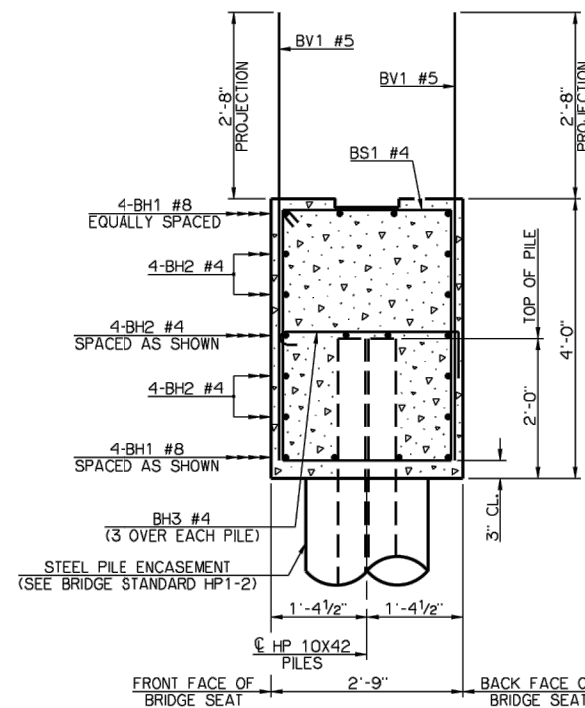


VIEW A-A

PILE SCHEDULE						
SPAN	TOTAL NUMBER OF PILES	N SPACES	A	B	C	MAXIMUM FACTORED PILE LOAD
110'	8	3	3'-4"	1'-8"	2'-10"	71.9 TON
115'	8	3	3'-4"	1'-8"	2'-10"	73.7 TON
120'	8	3	3'-4"	1'-8"	2'-10"	75.4 TON
125'	9	4	3'-0"	0'-0"	2'-6"	68.6 TON
130'	9	4	3'-0"	0'-0"	2'-6"	70.1 TON
135'	9	4	3'-0"	0'-0"	2'-6"	71.6 TON



ELEVATION



TYPICAL SECTION THRU BRIDGE SEAT

BAR LIST - ONE ABUTMENT					
MARK	NO.	SIZE	FORM	LENGTH	LENGTH VARIATION
BH1	8	#8	STR.	28'-8"	-
BH2	12	#4	STR.	28'-8"	-
BV1	60	#5	STR.	6'-5"	-
P1	18	#4	BNT.	4'-11"	-
P2	12	#4	BNT.	7'-2"	-
WT1	2	#4	BNT.	5'-2"	-
WT2	2	#8	BNT.	11'-2"	-
WT3	10	#4	STR.	5'-7" AVG.	3'-7" TO 7'-7"
WT4	10	#8	BNT.	6'-11" AVG.	4'-11" TO 8'-11"
ADDITIONAL BARS TO BE USED WITH 8 PILE ABUTMENTS					
BH3	24	#4	BNT.	3'-7"	-
BS1	48	#4	BNT.	12'-9"	-
ADDITIONAL BARS TO BE USED WITH 9 PILE ABUTMENTS					
BH3	27	#4	BNT.	3'-7"	-
BS1	46	#4	BNT.	12'-9"	-

(1) NO. INCLUDES TWO SETS OF 5 BARS

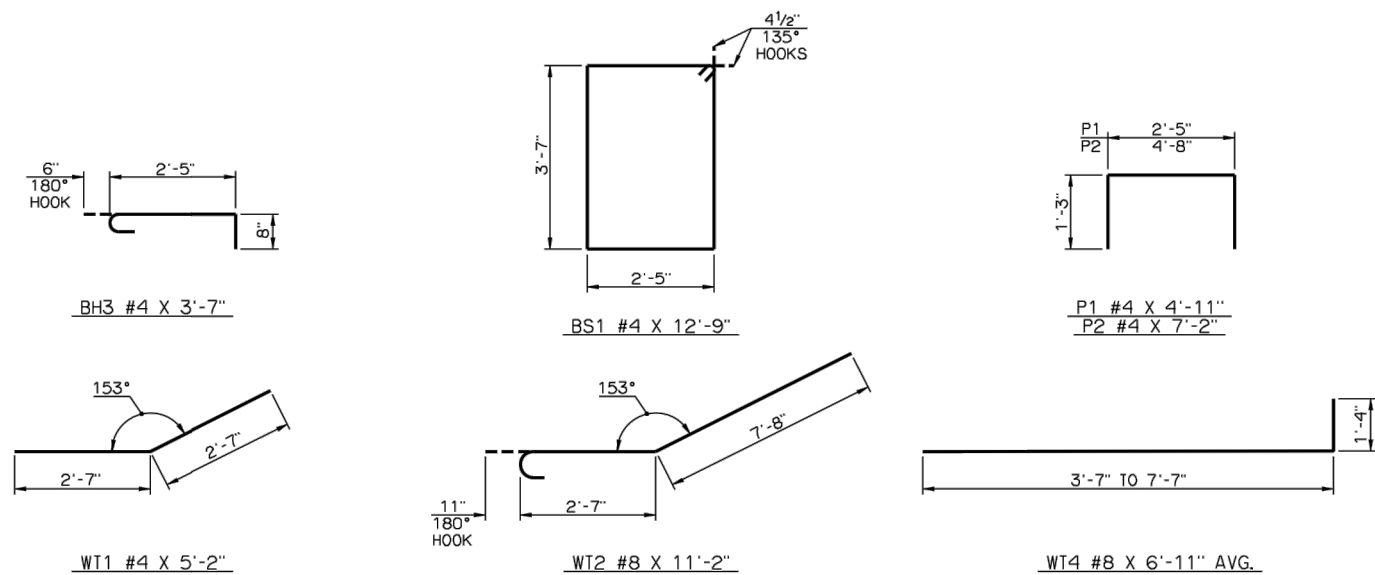
SUMMARY OF QUANTITIES - ONE ABUTMENT (2)			
ITEM	UNIT	TOTAL	
SUBSTRUCTURE EXCAVATION, COMMON	CY	30.00	
CLSM BACKFILL	CY	52.00	
CLASS A CONCRETE	CY	12.10	
REINFORCING STEEL	LB	2,120.00	
PILES, FURNISHED (HP 10X42)	LF	-	
PILES, DRIVEN (HP 10X42)	LF	-	
6" PERFORATED PIPE UNDERDRAIN	LF	26.00	
6" NON-PERFORATED PIPE UNDERDRAIN	LF	-	

(2) EXCLUDES WINGS

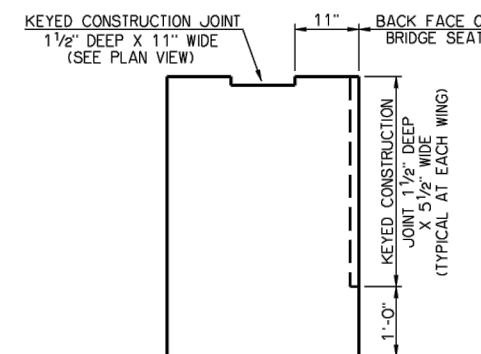
NOTES

ABUTMENT WING CONCRETE SHALL NOT BE POURED UNTIL THE ABUTMENT DIAPHRAGMS OF THE SUPERSTRUCTURE AND THE DECK SLAB CONCRETE HAVE ATTAINED A STRENGTH OF 3,000 PSI.

ALL WT WING REINFORCING STEEL TIED TO BRIDGE SEAT REINFORCING STEEL MUST BE IN PLACE PRIOR TO POURING THE BRIDGE SEAT CONCRETE.



DETAILS OF BENT REINFORCING STEEL



DETAIL OF CONSTRUCTION JOINTS

BALLARD CREEK ADAIR COUNTY

ABUTMENT DETAILS