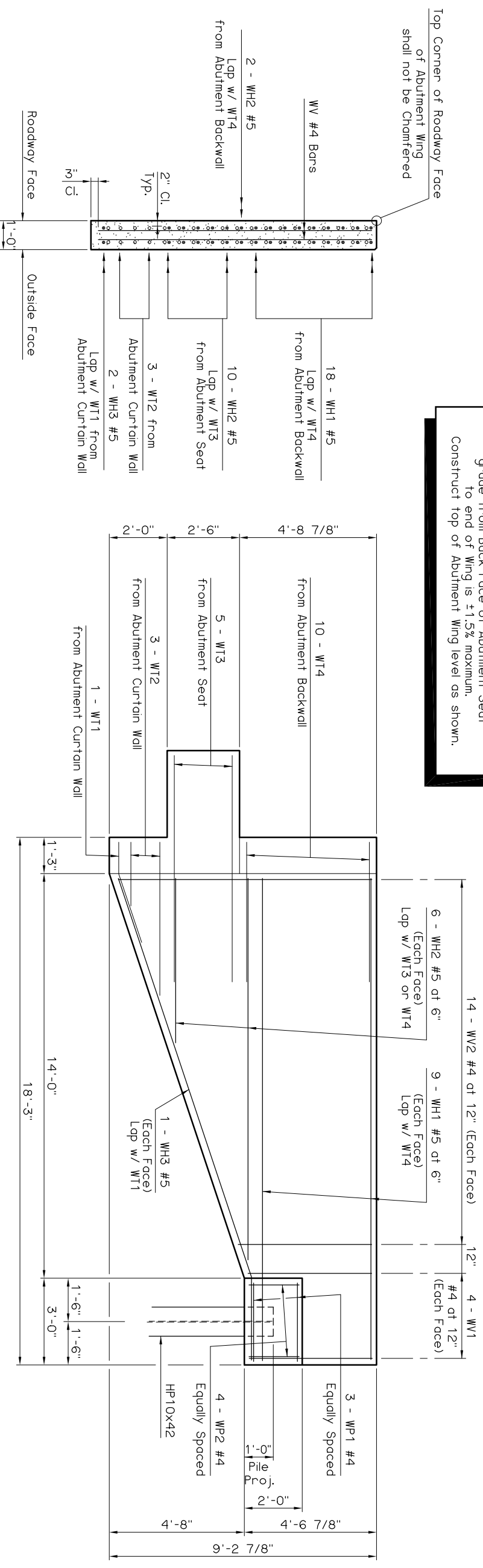


This standard may be used only if grade from Back Face of Abutment Seat to end of Wing is $\pm 1.5\%$ maximum. Construct top of Abutment Wing level as shown.



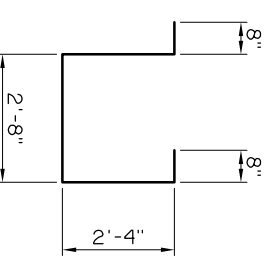
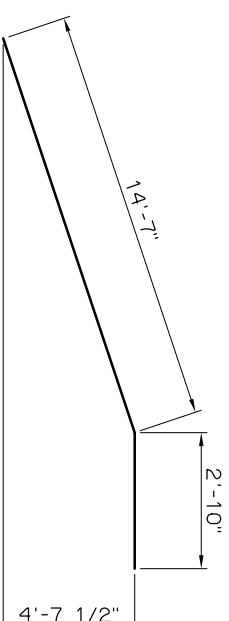
**SECTION THRU WING AT
BACK FACE OF ABUTMENT SEAT**

WING ELEVATION

ABUTMENT BAR LIST

MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
EPOXY COATED REINFORCING					
BH1	#4	9	STR.	44'-0"	
BH2	#4	7	BNT.	45'-4"	
BH3	#9	10	STR.	44'-0"	
BH4	#4	21	BNT.	5'-1"	
BV1	#4	42	STR.	7'-11" Avg.	7'-8" to 8'-2"
BV2	#5	42	STR.	7'-11" Avg.	7'-8" to 8'-2"
BV3	#4	8	STR.	8'-9"	
P1	#4	24	BNT.	6'-4"	
P2	#4	16	BNT.	7'-10"	
S1	#5	45	BNT.	12'-11"	
SC	#4	4	BNT.	3'-3"	

MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
EPOXY COATED REINFORCING					
WT1	#5	2	BNT.	8'-2"	
WT2	#5	6	BNT.	8'-8" Avg.	5'-8" to 11'-8"
WT3	#5	10	BNT.	16'-8"	
WT4	#5	20	BNT.	10'-8"	
WH1	#5	36	STR.	16'-8"	
WH2	#5	24	STR.	9'-6" Avg.	5'-9" to 13'-3"
WH3	#5	4	BNT.	17'-5"	
WP1	#4	6	BNT.	8'-8"	
WP2	#4	8	STR.	1'-7"	



ABUTMENT QUANTITIES

ITEM	UNIT	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	C.Y.	85
CLSM BACKFILL	C.Y.	55
CLASS A CONCRETE	C.Y.	39.8
EPOXY COATED REINFORCING STEEL	LB.	5,200
PILES, FURNISHED (HP10x42)	L.F.	
PILES, FURNISHED (HP12x53)	L.F.	
PILES, DRIVEN (HP10x42)	L.F.	
PILES, DRIVEN (HP12x53)	L.F.	
WATER REPELLENT (VISUALLY INSPECTED)	S.Y.	43
6" PERFORATED PIPE UNDERDRAIN ROUND	L.F.	42
6" NON-PERF. PIPE UNDERDRAIN RND.	L.F.	

① 2 Sets of 21
② 2 Sets of 3
③ 4 Sets of 6
④ 4 Sets of 14

APPROVED BY BRIDGE ENGINEER *Chad Head* DATE *8/16/09*
OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)
ABUTMENT DETAILS
55' THRU 100' ROLLED BEAM SPANS
CONVENTIONAL (SHEET 2 OF 2)
1999 SPECIFICATIONS B40-C-ABUT-RB-55100-2 OOE
B-251E