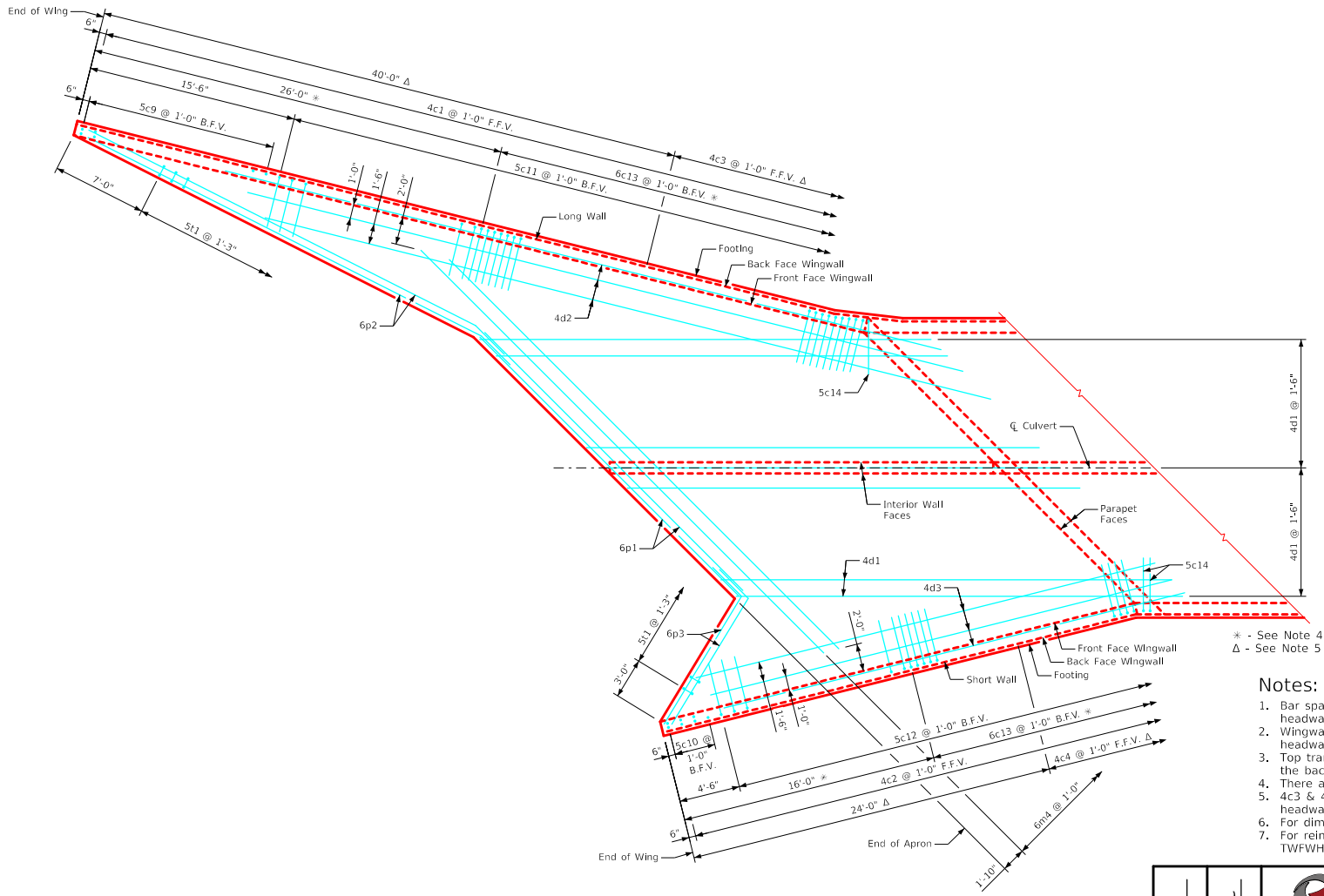


ENGLISH\RFDSIGNEDTWINCULVERTSFWH.DGN - TFWFH 45-4-21 - THIS SHEET ISSUED 02-2021.



* - See Note 4
 Δ - See Note 5

Notes:

1. Bar spacings and positions shown are similar for all sizes of headwalls in this standard.
2. Wingwall bars consistently referenced from end of wing for all headwalls.
3. Top transverse floor bars are referenced approximately 4" from the back of the parapet for all headwalls.
4. There are no 6c13 bars in the 4' & 5' height headwalls.
5. 4c3 & 4c4 bars used only in the 9', 10', 11' & 12' height headwalls.
6. For dimension table see Sheet TFWFH 45-2-21.
7. For reinforcing in curtain wall see Curtain Wall Details on Sheet TFWFH 45-5-21.

Plan View - Bottom of Apron Reinforcing

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER		
		Standard Design - Twin Reinforced Concrete Box Culverts	
		Flared Wing Headwalls February, 2021	
		Bottom Apron Detail 45° Skew	TFWFH 45-4-21