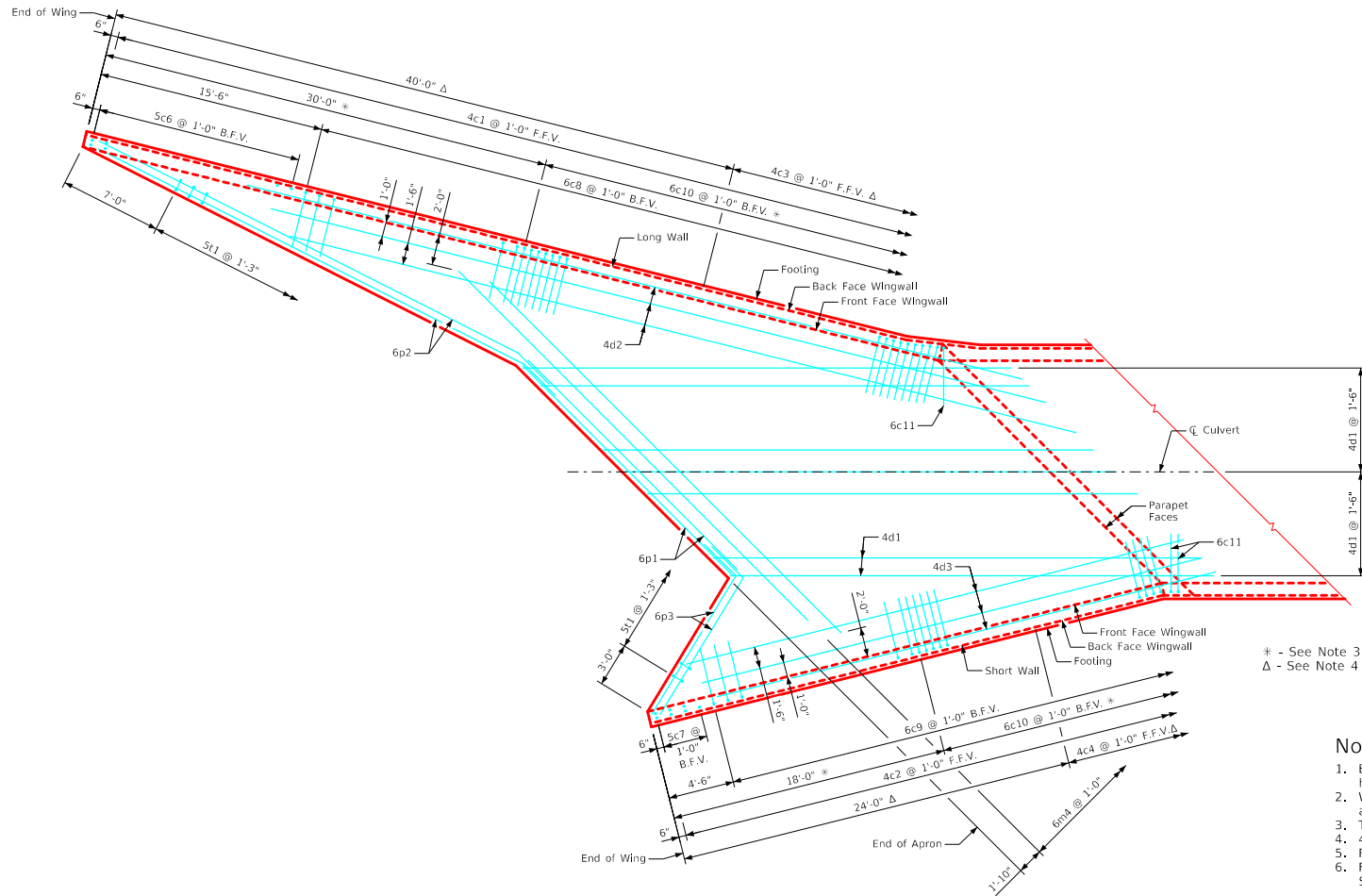


ENGLISHRFDISIGNEDSINGLECULVERTSFWH.DGN - FW 45-4-21 - THIS SHEET ISSUED 02-2021.




* - See Note 3
 Δ - See Note 4

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. There are no 6c10 bars in the 3' thru 6' height headwalls.
4. 4c3 & 4c4 bars used only in the 9' thru 14' height headwalls.
5. For dimension table see Sheet FWH 45-2-21.
6. For reinforcing in curtain wall see Curtain Wall Details on Sheet FWH 45-5-21.

Plan View - Bottom of Apron Reinforcing Bars

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER	 Standard Design - Single Reinforced Concrete Box Culverts	
		Flared Wing Headwalls February, 2021	
		Bott. Apron Detail 45° Skew	FWH 45-4-21