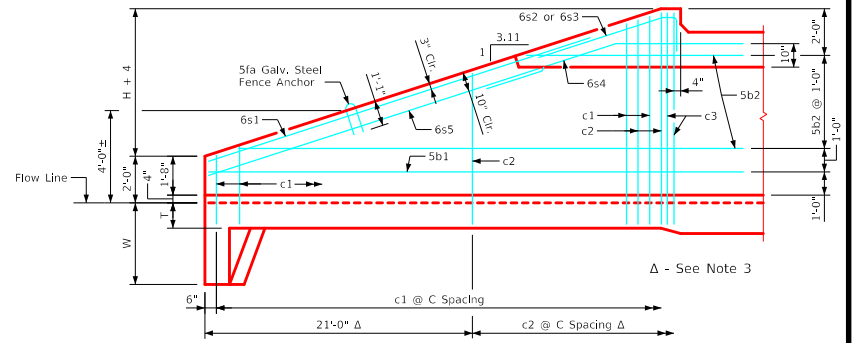
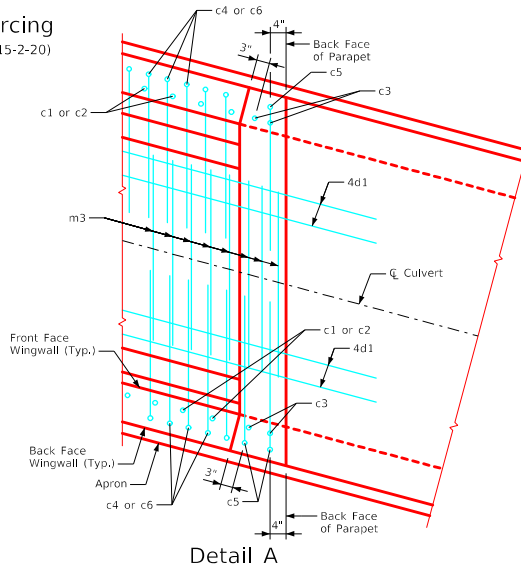
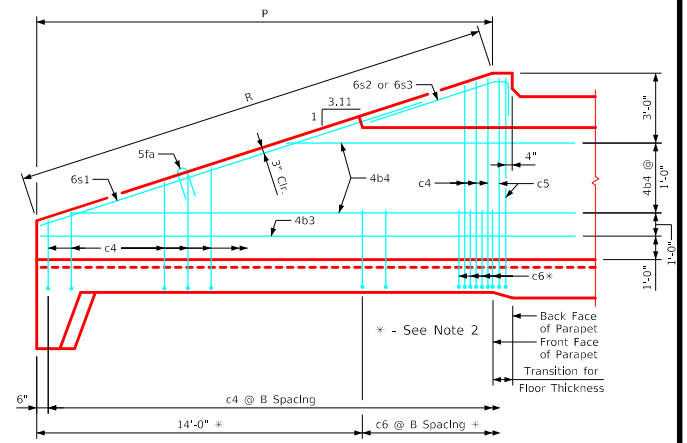


Plan View - Bottom Apron Reinforcing
(Curtain Wall Reinforcing not shown. See Sheet PWH 15-2-20)



Typical View - Front Face Wingwall Reinforcing



Typical View - Back Face Wingwall Reinforcing

Notes:

1. Bar spacings and positions shown are similar for all sizes of headwalls in this standard.
2. Not applicable for 3' thru 5' height headwalls.
3. Not applicable for 3' thru 8' height headwalls.
4. For headwall dimensions and bar spacing see Sheet PWH 15-1-20.
5. Apron m3 bars are to be centered on CULVERT.
6. B.F.V. (c5) and F.F.V. (c3) bars are approximately 4" from the back of parapet for all headwalls.

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	Standard Design - Single Reinforced Concrete Box Culverts Parallel Wing Headwalls July, 2020	
		Wingwall Elevations & Bottom Apron Reinforcing	PWH 15-3-20 15° Skew
		* - See Note 2	
		Back Face of Parapet Front Face of Parapet Transition for Floor Thickness	