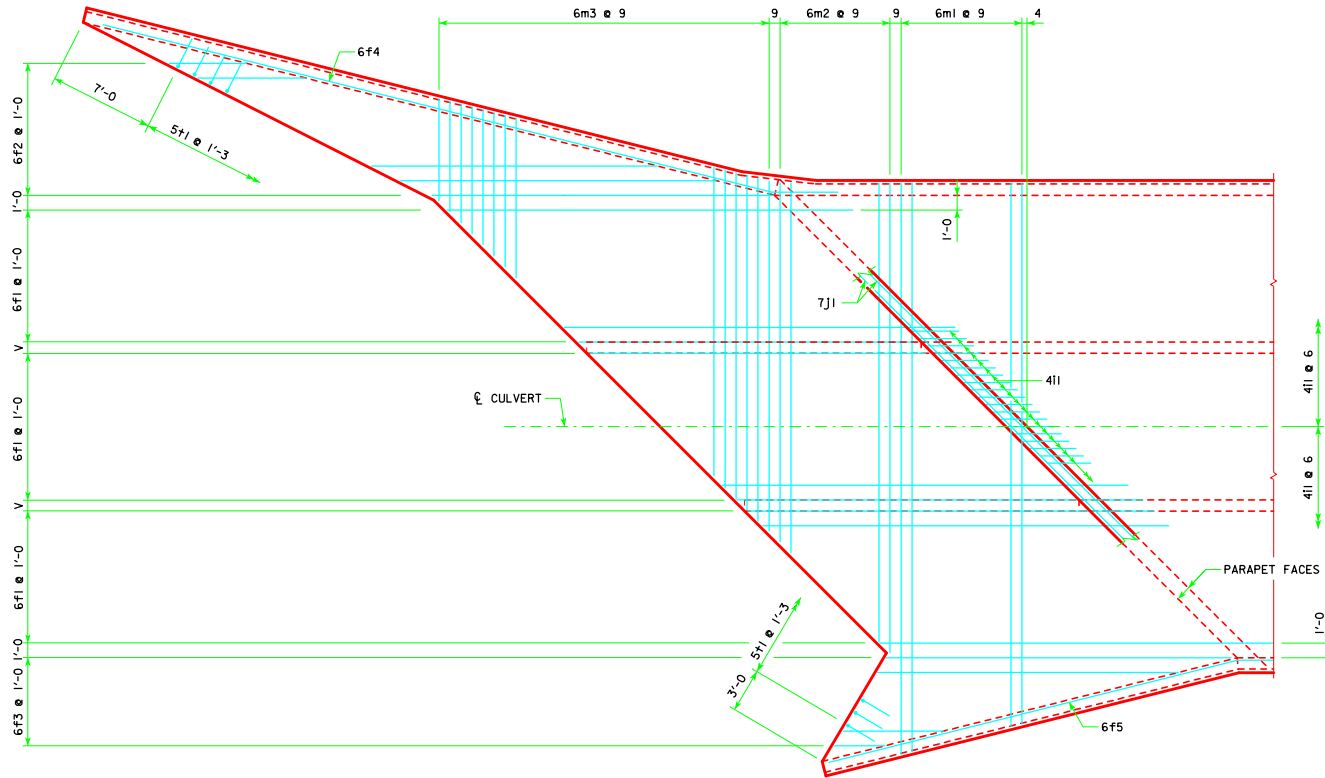


ENGLISH BEDSIGNEDTRIPLECULVERTS.DGN - TRH 45-3-12 - THIS SHEET ISSUED 04-12.



PLAN VIEW - TOP OF APRON REINFORCING BARS

**NOTES:**

1. BAR SPACING AND POSITIONS SHOWN ARE SIMILAR FOR ALL SIZES OF HEADWALLS IN THIS STANDARD.
2. TOP TRANSVERSE FLOOR BARS ARE REFERENCED APPROXIMATELY 4" FROM THE BACK OF THE PARAPET FOR ALL HEADWALLS.
3. FOR DIMENSION TABLE SEE SHEET TRH 45-2-12.
4. FOR REINFORCING IN CURTAIN WALL SEE CURTAIN WALL DETAILS ON SHEET TRH 45-5-12.

LATEST REVISION DATE  <i>Norman E. McQuinn</i> APPROVED BY BRIDGE ENGINEER	 <b>Iowa Department of Transportation</b> Highway Division
	STANDARD DESIGN <b>TRIPLE REINFORCED CONCRETE          BOX CULVERTS</b> APRIL, 2012
	<b>FLARED WING          HEADWALLS</b> 45° SKEW