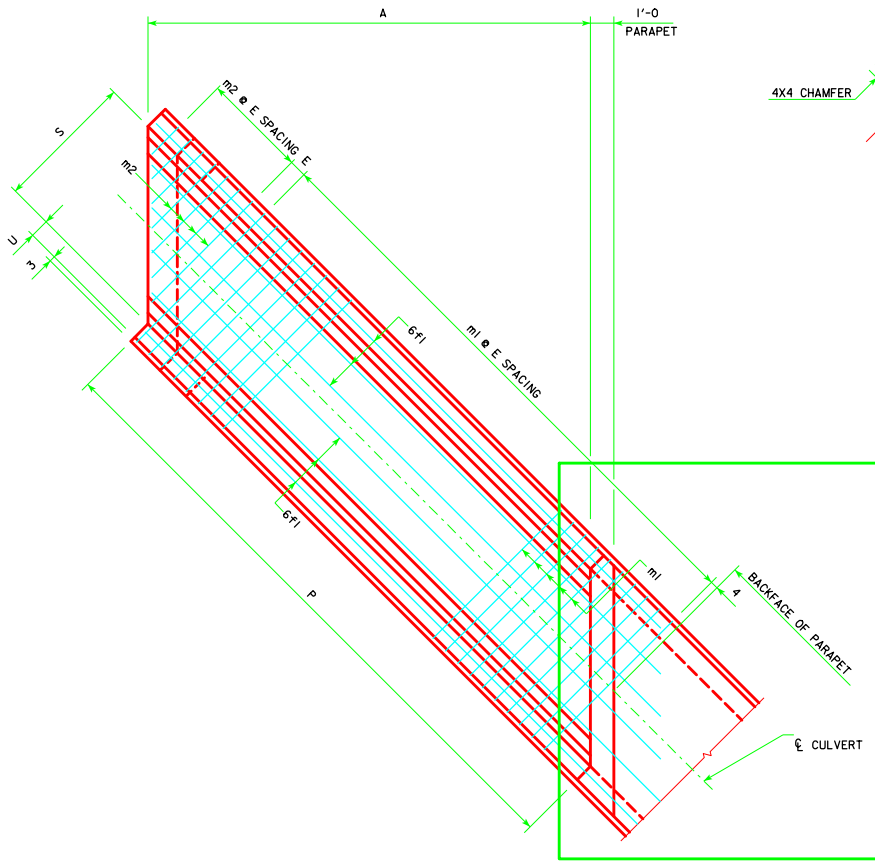
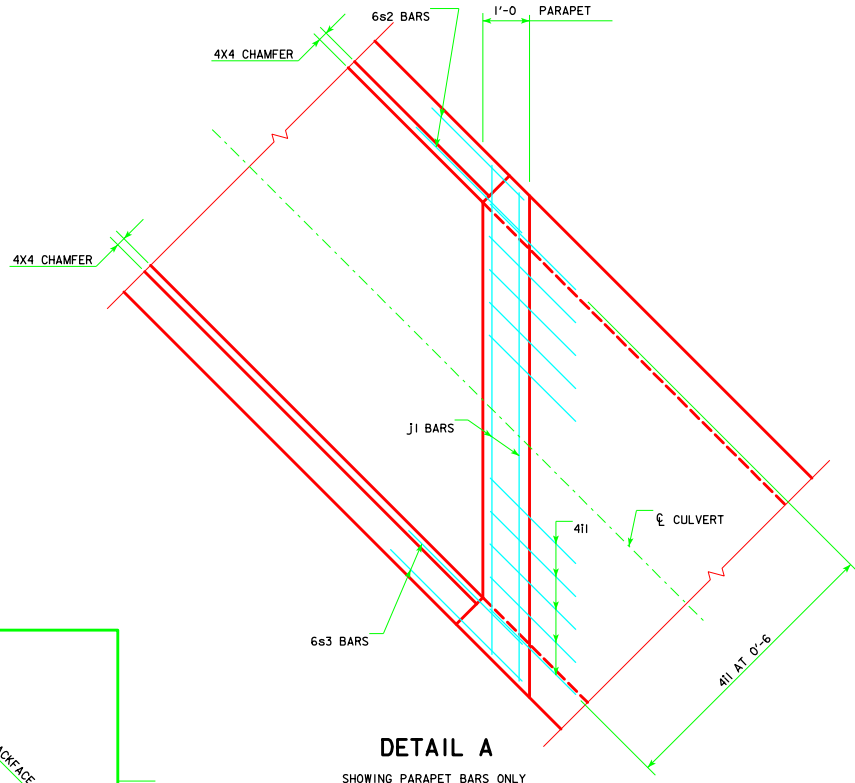


ENGLISH\FRDS\IGNEDS\INGLECULVERTS.DGN - PWH 45-4-12 - THIS SHEET ISSUED 04-12.



PLAN VIEW - TOP APRON REINFORCING



DETAIL A
SHOWING PARAPET BARS ONLY

NOTES :

1. BAR SPACINGS AND POSITIONS SHOWN ARE SIMILAR FOR ALL SIZES OF HEADWALLS IN THIS STANDARD.
2. FOR HEADWALL DIMENSIONS AND BAR SPACING SEE DRAWING PWH 45-1-12.
3. TOP TRANSVERSE APRON BARS ARE REFERENCED APPROXIMATELY 4" FROM THE BACK OF THE PARAPET FOR ALL HEADWALLS.

LATEST REVISION DATE <i>Thomas E. M. Dwyer</i> APPROVED BY BRIDGE ENGINEER	Iowa Department of Transportation Highway Division
	STANDARD DESIGN - SINGLE REINFORCED CONCRETE BOX CULVERTS PARALLEL WING HEADWALLS APRIL, 2012
	PARAPET REINFORCING & TOP APRON REINFORCING 45° SKEW
PWH 45-4-12	