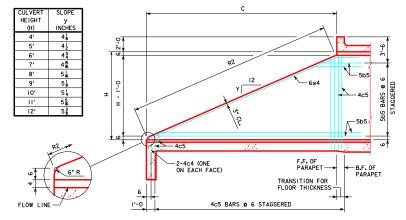
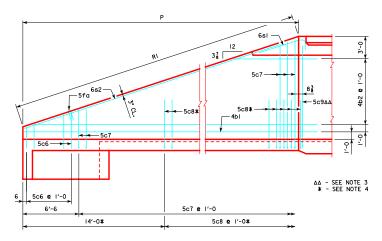


TYPICAL VIEW - FRONT FACE REINFORCING



TYPICAL VIEW - INTERIOR WALL



TYPICAL VIEW - BACK FACE REINFORCING

NOTES:

- I. BAR SPACING AND POSITIONS SHOWN ARE SIMILAR FOR ALL SIZES 1. BAR SPACING AND POSITIONS SHOWN ARE SIMILAR FOR ALL SIZE OF HEADWALL IN THIS STANDARD.

 2. TWO 4G3 BARS FOR 4', 5', 11' & 12' HEIGHT HEADWALLS. ONE 4G3 BAR FOR 6' THRU 10' HEIGHT HEADWALLS.

 3. TWO 5G9 BARS FOR 4', 5', 11' & 12' HEIGHT HEADWALLS. ONE 5G9 BARS FOR 6' THRU 10' HEIGHT HEADWALLS.

 4. NOT APPLICABLE FOR 4' & 5' HEIGHT HEADWALLS.

 5. NOT APPLICABLE FOR 4' THRU 8' HEIGHT HEADWALLS.

 6. FOR DIMENSION TABLE SEE SHEET TRH 0-1-12.



lowa Department of Transportation Highway Division

TRIPLE REINFORCED CONCRETE BOX CULVERTS

APRIL, 2012

FLARED WING **HEADWALLS**

TRH 0-4-12