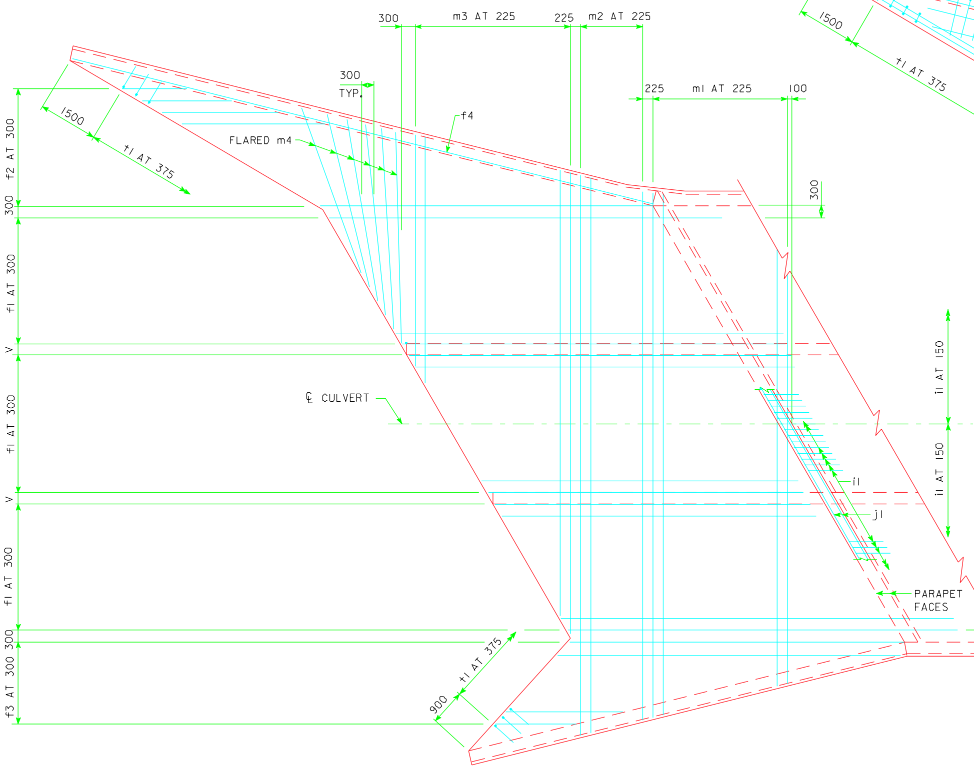
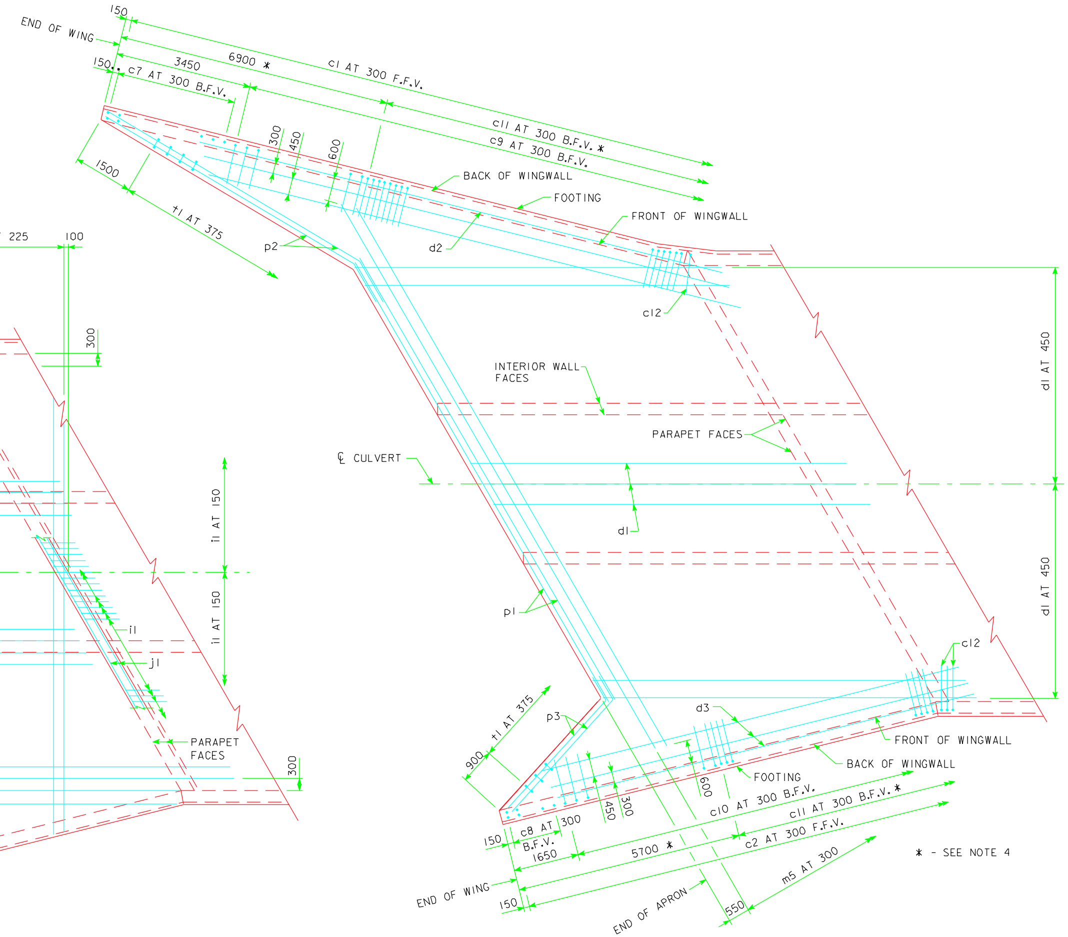


PLAN VIEW - TOP OF APRON REINFORCING BARS



PLAN VIEW - BOTTOM OF APRON REINFORCING BARS

NOTES:

1. BAR SPACINGS AND POSITIONS SHOWN ARE SIMILAR FOR ALL SIZES OF HEADWALLS IN THIS STANDARD.
2. WINGWALL BARS CONSISTENTLY REFERENCE FROM END OF WING FOR ALL HEADWALLS.
3. TOP TRANSVERSE FLOOR BARS ARE REFERENCED APPROXIMATELY 100 mm FROM THE BACK OF THE PARAPET FOR ALL HEADWALLS.
4. THERE ARE NO c11 BARS IN THE 1800 mm HEIGHT HEADWALL.
5. FOR DIMENSION TABLE SEE SHEET MTRH 30-1-94
6. FOR REINFORCING IN CURTAIN WALL SEE CURTAIN WALL DETAILS ON SHEET MTRH 30-3-94.

LATEST REVISION DATE : 04-02

APPROVED BY :

STANDARD DESIGN

FLARED WING HEADWALLS

FOR

TRIPLE REINFORCED CONCRETE BOX CULVERTS

PROJECT DEVELOPMENT DIVISION

IOWA DEPARTMENT OF TRANSPORTATION

DECEMBER, 1994

MTRH 30-2-94

REVISED 04-02 - CHANGED BAR PLACEMENT LOCATION.

TRH302M.S01

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