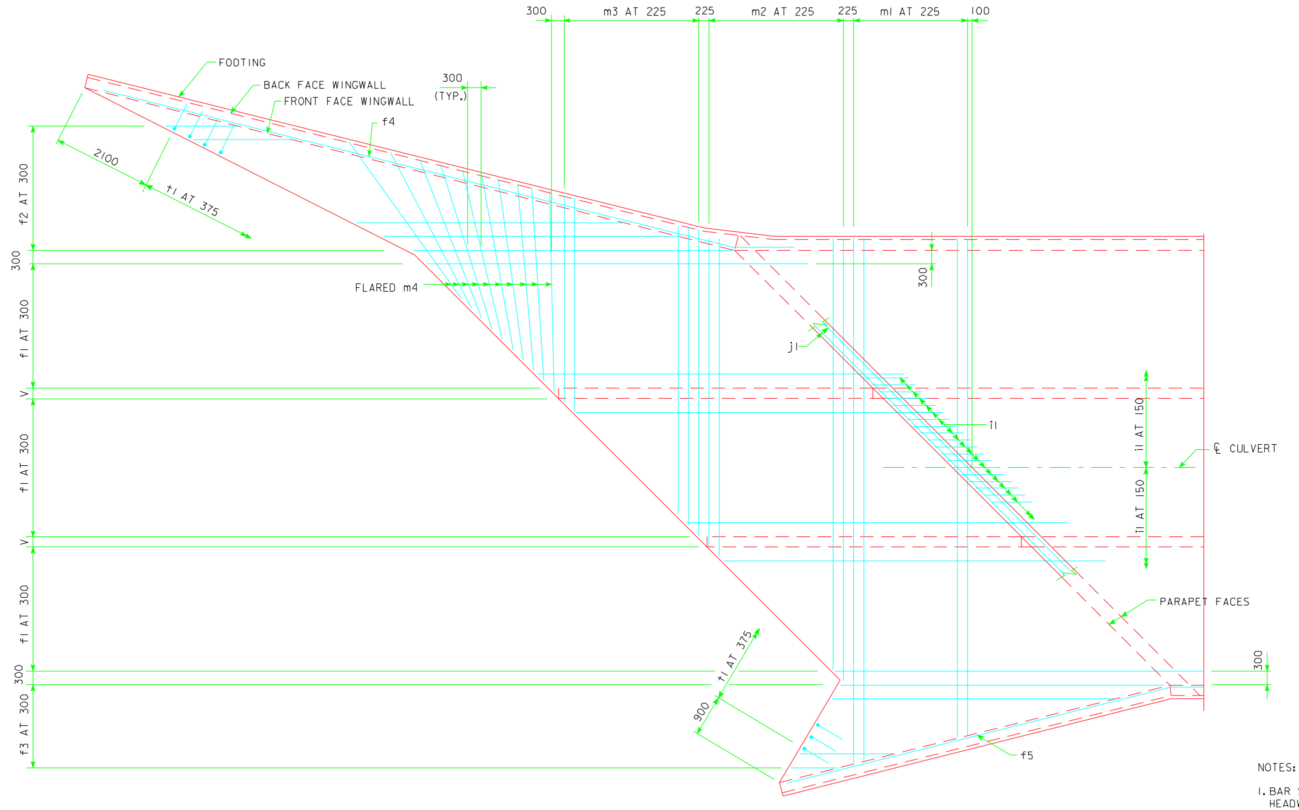

PLAN VIEW - TOP OF APRON REINFORCING BARS

NOTES:

1. BAR SPACING AND POSITIONS SHOWN ARE SIMILAR FOR ALL SIZES OF HEADWALLS IN THIS STANDARD.
2. WINGWALL BARS CONSISTENTLY REFERENCED 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. FOR DIMENSION TABLE SEE SHEET MTRH 45-1-94.
5. FOR REINFORCING IN CURTAIN WALL SEE CURTAIN WALL DETAILS ON SHEET MTRH 45-4-94.

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 45-2-94

REVISED 04-02 - CHANGED BAR PLACEMENT LOCATION.
TRH452M.S01

XXXXXXXXXXSYSTEMTIME XXXXXXXUSERNAME XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXDGNSPEC