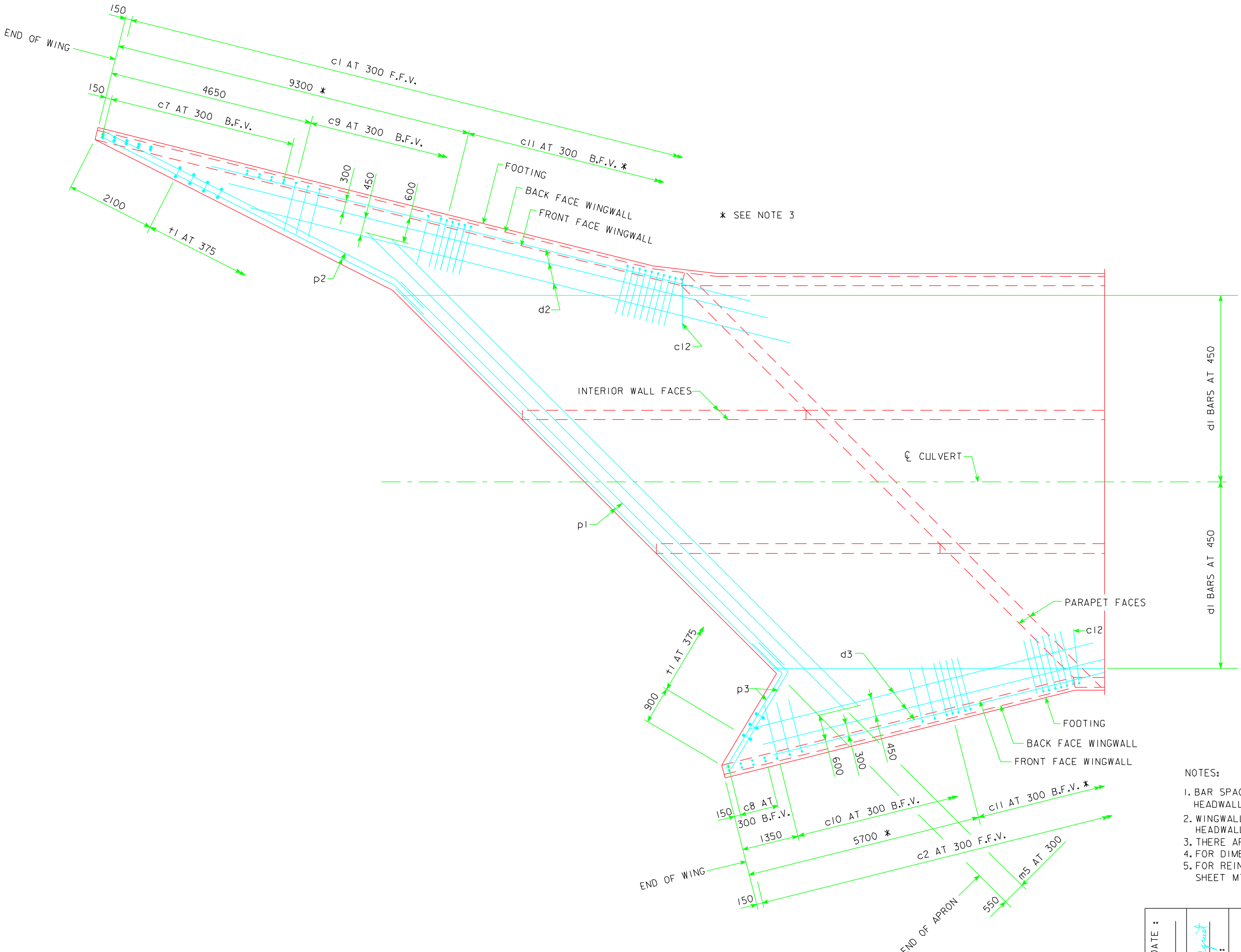


PLAN VIEW - BOTTOM OF APRON REINFORCING BARS

NOTES:

1. BAR SPACINGS AND POSITIONS SHOWN ARE SIMILAR FOR ALL SIZES OF HEADWALLS IN THIS STANDARD.
2. WINGWALL BARS CONSISTENTLY REFERENCED FROM END OF WING FOR ALL HEADWALLS.
3. THERE ARE NO c11 BARS IN THE 1800 mm HEIGHT HEADWALL.
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 45-3-94

REVISED 04-02 - CHANGED BAR PLACEMENT LOCATION.
TRH453M.S01

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