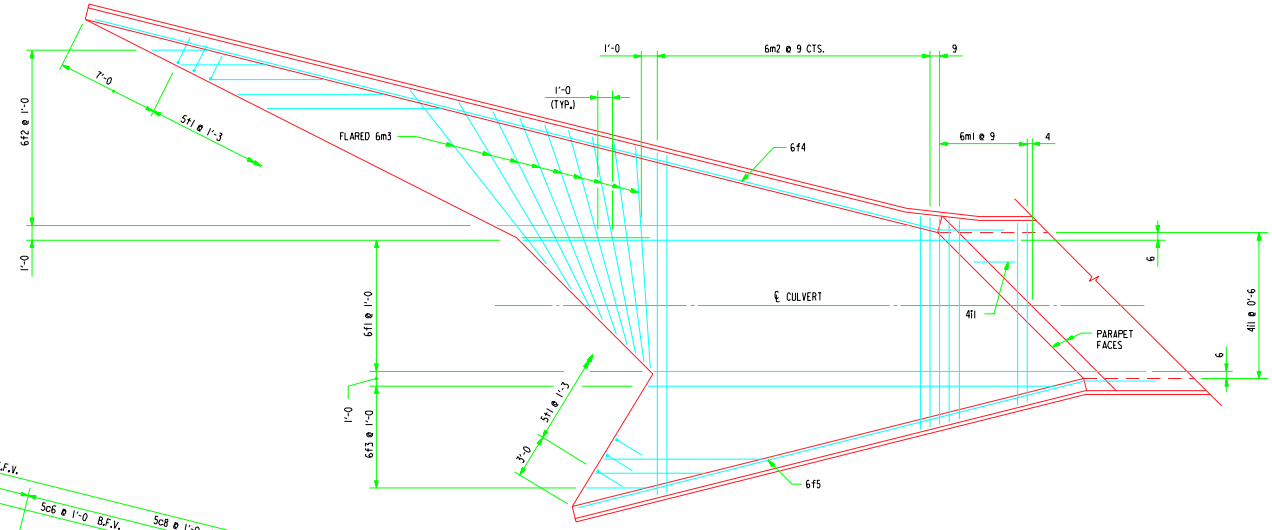
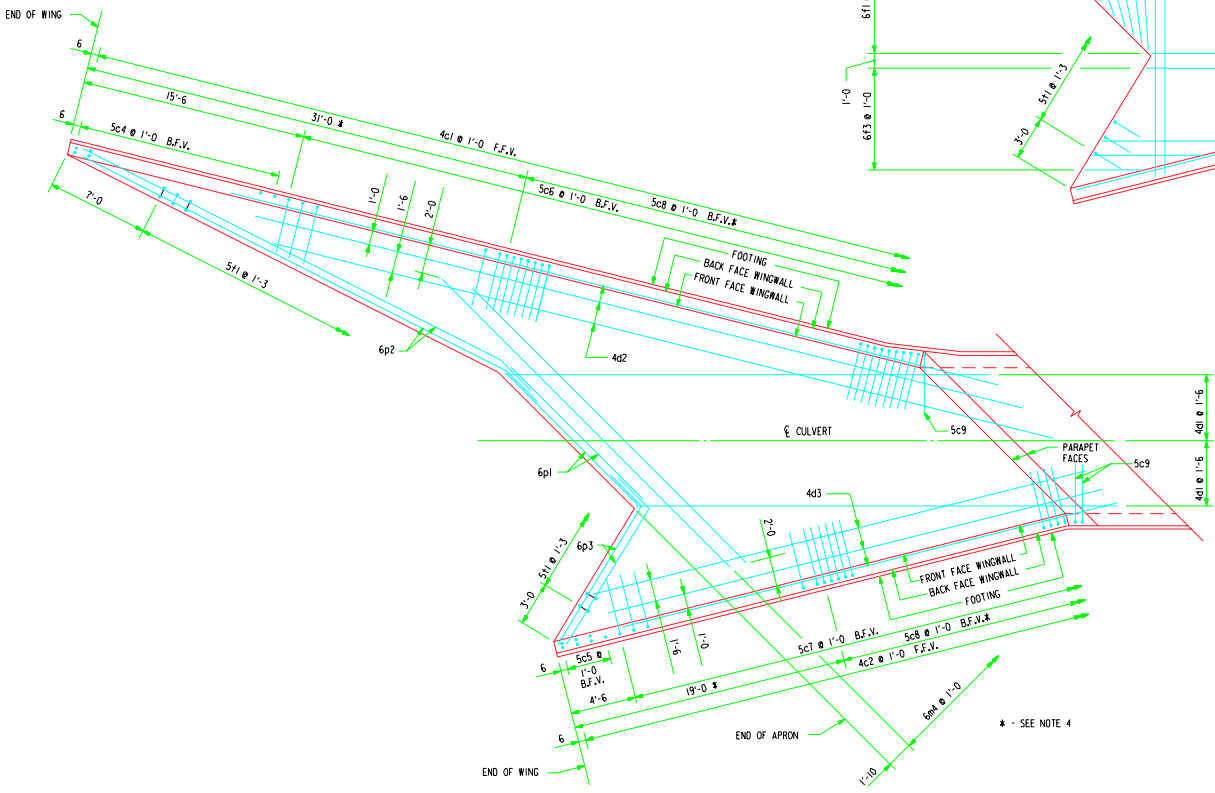


PLAN VIEW - TOP OF APRON REINFORCING BARS



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 REFERENCED FROM END OF WING FOR ALL HEADWALLS.
3. TOP TRANSVERSE FLOOR BARS ARE REFERENCED APPROXIMATELY 4" FROM THE BACK OF THE PARAPET FOR ALL HEADWALLS.
4. THERE ARE NO 5c8 BARS IN THE 3', 4', 5', AND 6' HEIGHT HEADWALL.
5. FOR REINFORCING IN CURTAIN WALL SEE CURTAIN WALL DETAILS ON DWG. FWH 45-3-87.
6. FOR DIMENSION TABLE SEE DWG. FWH 45-4-87.

LATEST REVISION DATE :

APPROVED BY : William A. Rinehart

STANDARD DESIGN

FLARED WING HEADWALLS

FOR
REINFORCED CONCRETE BOX CULVERTS

HIGHWAY DIVISION
IOWA DEPARTMENT OF TRANSPORTATION

MAY , 1987

FWH 45-5-87

FWH455.S01

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