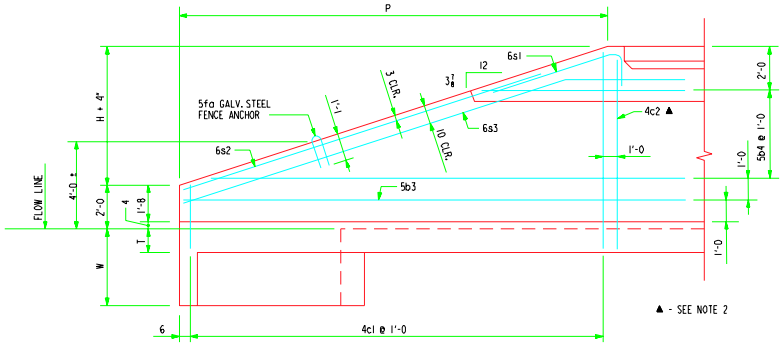
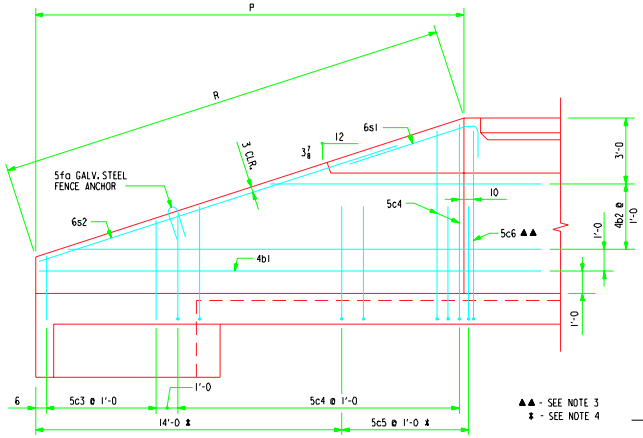
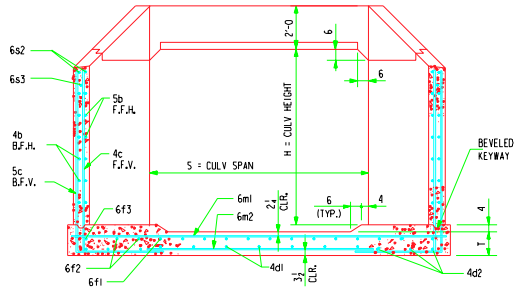


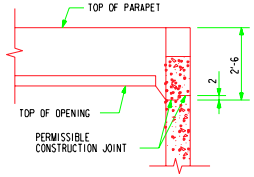
TYPICAL VIEW - FRONT FACE REINFORCING

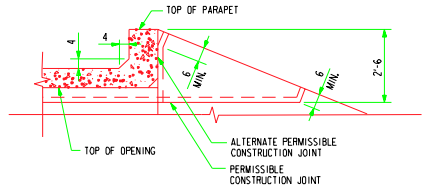


TYPICAL VIEW - BACK FACE REINFORCING

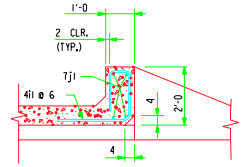


TYPICAL SECTION - NEAR CENTER OF APRON





TOP OF WINGWALL DETAILS



SECTION THRU PARAPET

NOTES :

1. BAR SPACINGS AND POSITIONS SHOWN ARE SIMILAR FOR ALL SIZES OF HEADWALLS IN THIS STANDARD.
2. ONE 4c2 BAR, HEADWALL HEIGHTS OF H=6', H=8', H=10' AND TWO 4c2 BARS, HEADWALL HEIGHTS OF H=3', H=4', H=5' AND H=12'.
3. ONE 5c6 BAR, HEADWALL HEIGHTS OF H=6', H=8', H=10' AND TWO 5c6 BARS, HEADWALL HEIGHTS OF H=3', H=4', H=5' AND H=12'.
4. NOT APPLICABLE TO HEADWALL HEIGHTS OF H=3', H=4', H=5' AND H=6'.
5. FOR DIMENSION TABLE SEE DWG. FWH 0-3-87.

LATEST REVISION DATE : 1-1-98

APPROVED BY : William A. Knudsen

STANDARD DESIGN

FLARED WING HEADWALLS

FOR
REINFORCED CONCRETE BOX CULVERTS

HIGHWAY DIVISION
IOWA DEPARTMENT OF TRANSPORTATION

MAY , 1987

FWH 0-5-87

REVISED 1/98; CLEAR DISTANCE TO 4f1 BAR CHANGED.
REVISED 12/96 ; KEYWAY NOTATION CHANGED.
FWH05.SOI

XXXXXXXXXXSYSTEMTIME XXXXXXXUSERNAME XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXDGNSPEC