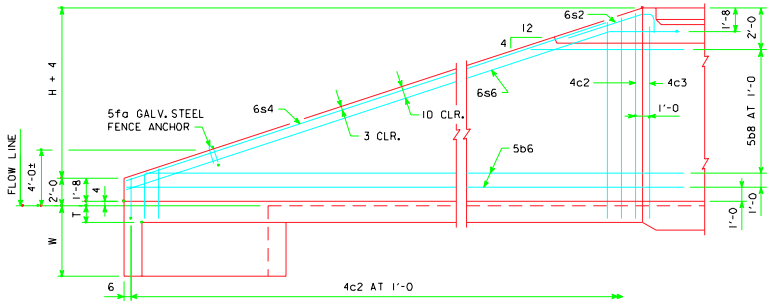
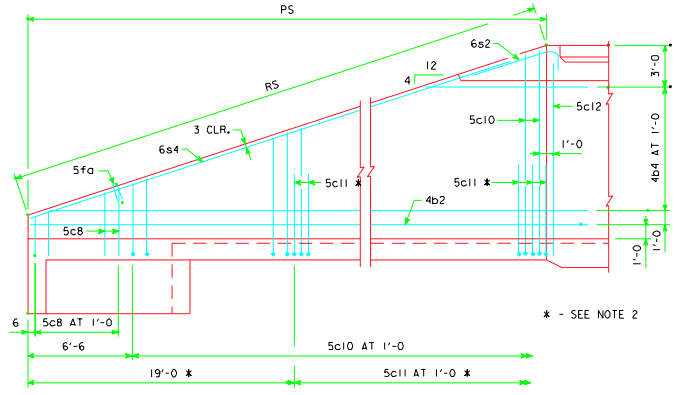
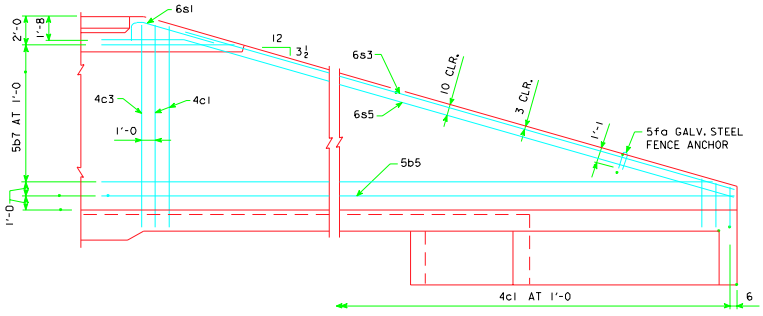


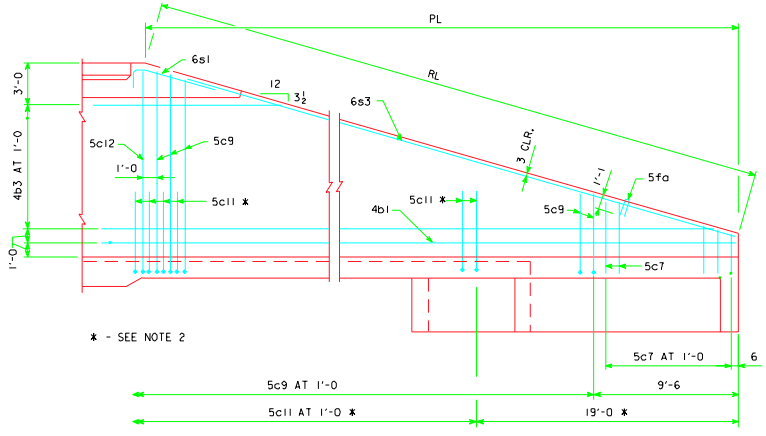

TYPICAL VIEW - FRONT FACE REINFORCING SHORT WINGWALL




TYPICAL VIEW - BACK FACE REINFORCING SHORT WINGWALL

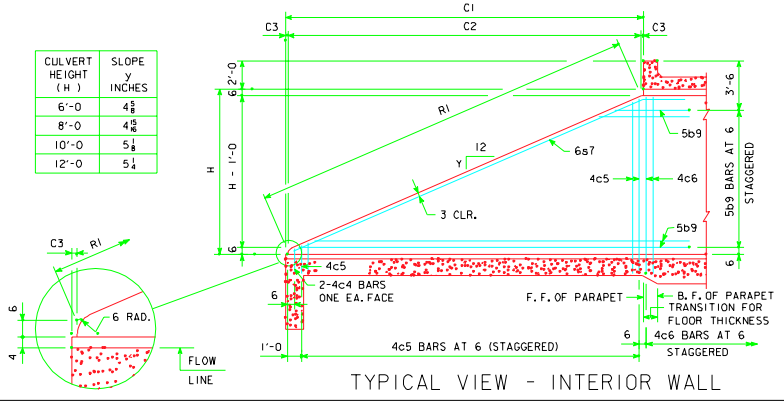



TYPICAL VIEW - FRONT FACE REINFORCING LONG WINGWALL




TYPICAL VIEW - BACK FACE REINFORCING LONG WINGWALL

| CULVERT HEIGHT (H) | SLOPE Y INCHES |
|---|---|
| 6'-0 | $4\frac{5}{8}$ |
| 8'-0 | $4\frac{5}{8}$ |
| 10'-0 | $5\frac{1}{8}$ |
| 12'-0 | $5\frac{1}{4}$ |




TYPICAL VIEW - INTERIOR WALL

HEADWALL NOTES:

1. BAR SPACINGS AND POSITIONS SHOWN ARE SIMILAR FOR ALL SIZES OF HEADWALLS IN THIS STANDARD.
2. NOT APPLICABLE TO HEADWALL HEIGHT OF H=6'-0.
3. FOR DIMENSION TABLE SEE SHEET TRH 15-1-01.

LATEST REVISION DATE :

APPROVED BY :

STANDARD DESIGN

# FLARED WING HEADWALLS

FOR

TRIPLE REINFORCED CONCRETE BOX CULVERTS

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

SEPT., 2001

TRH 15-4-01

TRH154.501 - 09-01 THIS SHEET ISSUED.

XXXXXXXXXSYSTEMTIME XXXXXXXUSERNAME XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXDGNSPEC