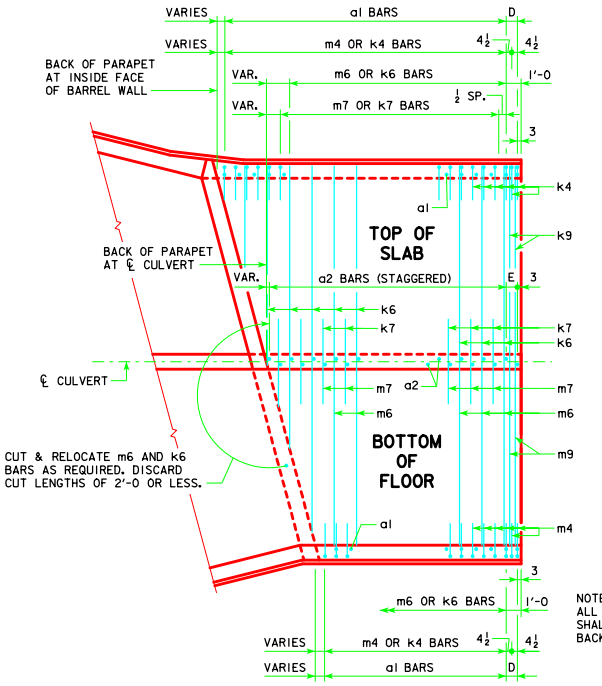
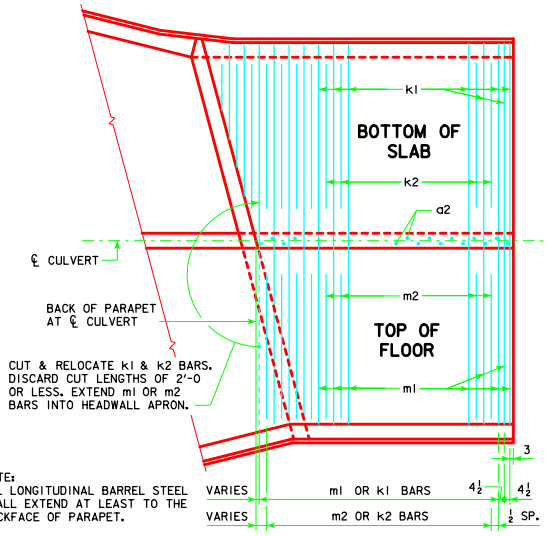


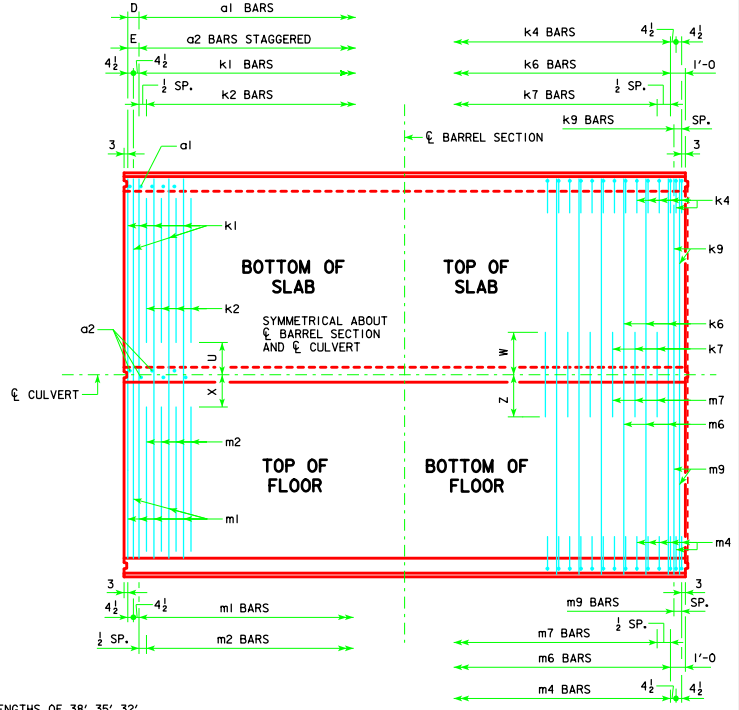


NOTE:
ALL LONGITUDINAL BARREL STEEL SHALL EXTEND AT LEAST TO THE BACKFACE OF PARAPET.

END SECTION PLAN VIEWS

(KEYWAYS NOT SHOWN)

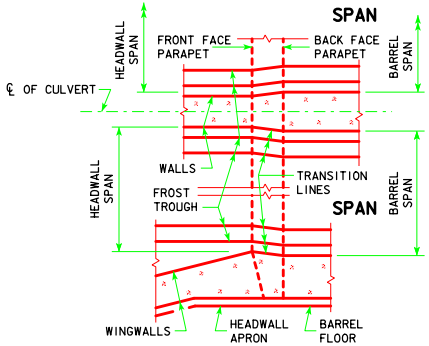
NOTE:
END SECTION DETAILS SHOWN ARE FOR A 15° SKEW BARREL. USE FOR SKEWS OF 30° & 45° BY INCREASING THE NUMBER OF TRANSVERSE REINFORCING BARS REQUIRED TO BE CUT AND RELOCATED.



NOTE:
TYPICAL FOR LENGTHS OF 38', 35', 32', 29', AND 26'. THESE LENGTHS ARE SHOWN AS TYPICAL BECAUSE ALL TRANSVERSE AND VERTICAL REINFORCING STEEL SPACING REPEATS IN 3' INTERVALS.

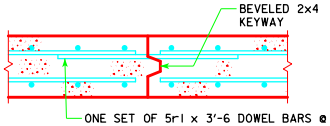
STANDARD SECTION PLAN VIEW

(KEYWAY IS TO BE OMITTED WHEN BELL JOINTS ARE USED)



TRANSITION WALL DETAILS

5r1 BARS - ONE CONST. JT.		
SPAN	NO.	WEIGHT (LB)
8'-0	18	66
10'-0	22	80
12'-0	26	95



ONE SET OF 5r1 x 3'-6 DOWEL BARS @ 1'-0 SPACING REQUIRED IN SLAB AT ALL CULVERT BARREL JOINTS, EXCEPT JOINTS WITH BELL JOINTS. SEE TABLE FOR NUMBER REQUIRED AND TOTAL WEIGHT.

TOP SLAB CONSTRUCTION JOINT DETAIL

NOTE:
DIMENSIONS LISTED ON THIS SHEET TO BE USED IN CONJUNCTION WITH DIMENSIONS AND QUANTITIES FOR BARREL SECTION SHEETS.

07-14
LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN

TWIN REINFORCED CONCRETE BOX CULVERTS

APRIL, 2012

TYPICAL CULVERT BARREL DETAILS

TWRCB G2-12

REVISED 07-14 - TRANSITION WALL DETAILS.
ENGLISH\REDSIGNED\TWINCULVERTS.DGN - TWRCB G2-12 - THIS SHEET ISSUED 04-12.