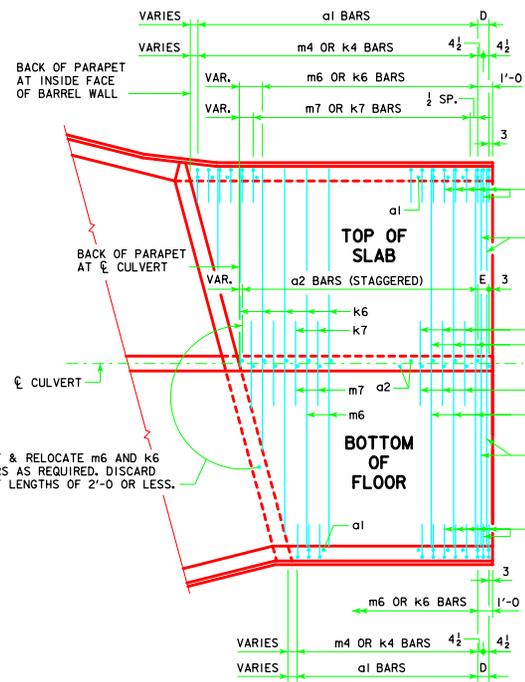


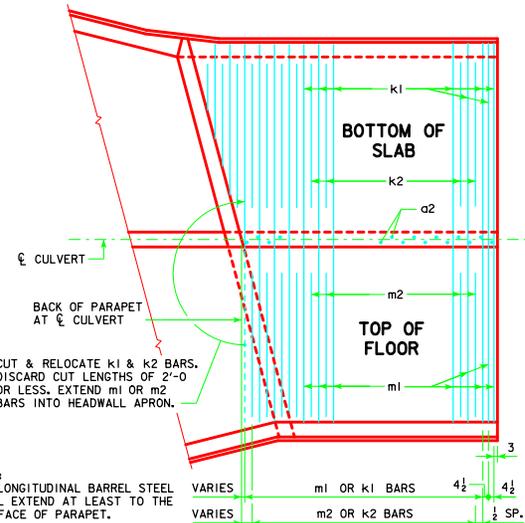
ENGLISH DESIGNED TWIN CULVERTS.DGN - TWRCB G2-12 - THIS SHEET ISSUED 04-12.



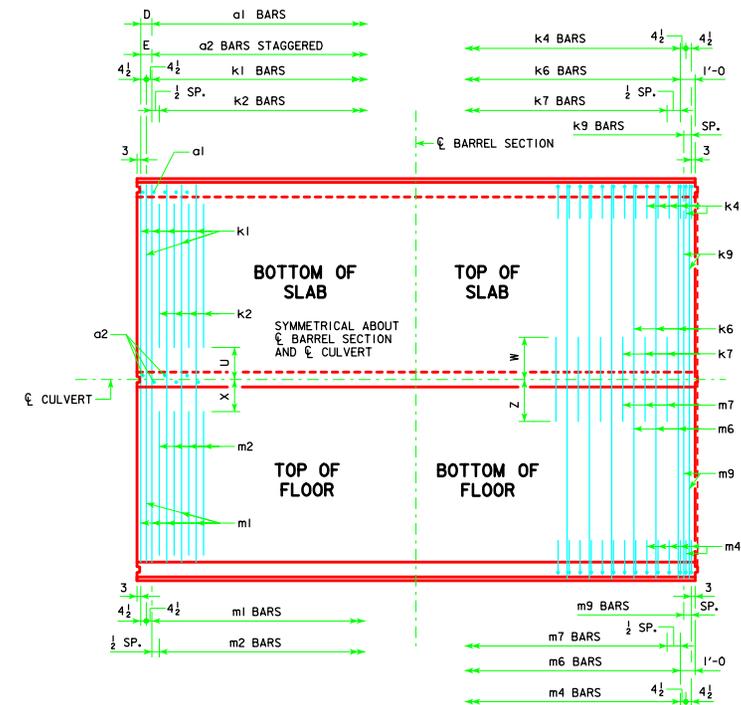
NOTE:
ALL LONGITUDINAL BARREL STEEL SHALL EXTEND AT LEAST TO THE BACKFACE OF PARAPET.

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.

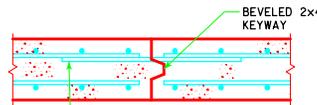


STANDARD SECTION PLAN VIEW
(KEYWAY IS TO BE OMITTED WHEN BELL JOINTS ARE USED)

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

5r1 BARS - ONE CONST. JT.

SPAN	NO.	WEIGHT (LB)
8'-0"	18	66
10'-0"	22	80
12'-0"	26	95



TOP SLAB CONSTRUCTION JOINT DETAIL

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.

LATEST REVISION DATE	
	STANDARD DESIGN TWIN REINFORCED CONCRETE BOX CULVERTS APRIL, 2012
	APPROVED BY BRIDGE ENGINEER
TYPICAL CULVERT BARREL DETAILS	TWRCB G2-12