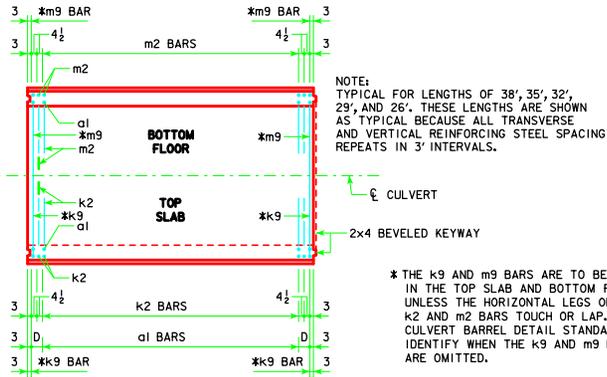


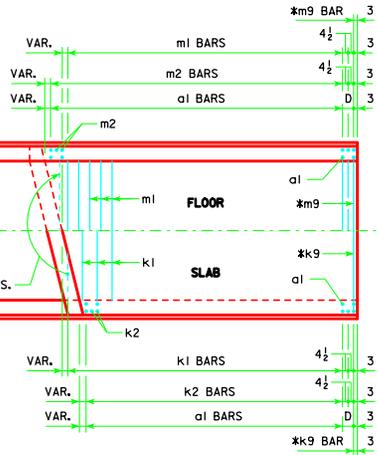
REVISED 07-14 - TRANSITION WALL DETAILS.
ENGLISHBROSIGNEDSINGULVERTS.DGN - RCB G2-12 - THIS SHEET ISSUED 04-12.



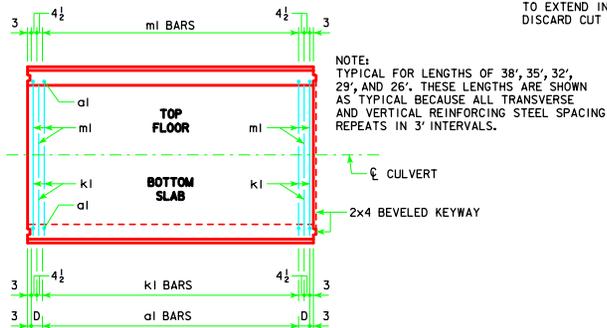
STANDARD SECTION PLAN VIEW
(KEYWAY IS TO BE OMITTED WHEN BELL JOINTS ARE USED)

* THE k9 AND m9 BARS ARE TO BE PLACED IN THE TOP SLAB AND BOTTOM FLOOR UNLESS THE HORIZONTAL LEGS OF THE k2 AND m2 BARS TOUCH OR LAP. THE CULVERT BARREL DETAIL STANDARDS IDENTIFY WHEN THE k9 AND m9 BARS ARE OMITTED.

CUT & RELOCATE BARS AS REQUIRED. k1 BARS ALL FILLS & k2 BARS OF FILL ONLY. m1 BARS TO EXTEND INTO HEADWALL APRON. DISCARD CUT LENGTHS OF 2'-0" OR LESS.



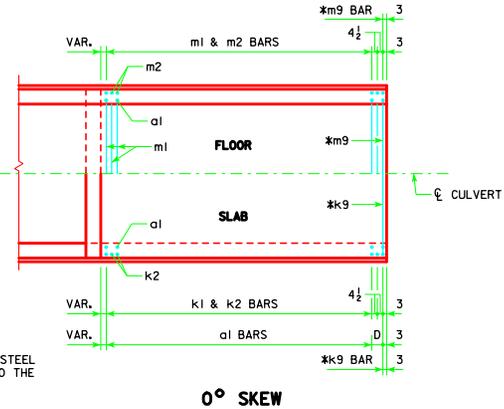
TYPICAL SKEW



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

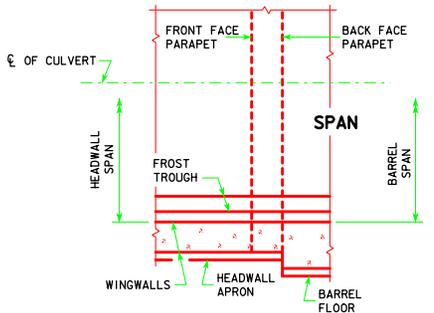
END SECTION PLAN VIEWS
(KEYWAYS NOT SHOWN)

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.



0° SKEW

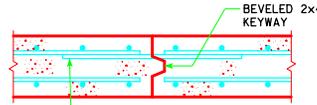
NOTE:
DIMENSIONS LISTED ON THIS SHEET TO BE USED IN CONJUNCTION WITH DIMENSIONS AND QUANTITIES FOR BARREL SECTION SHEETS.



TRANSITION WALL DETAILS

5#1 BARS - ONE CONST. JT.

SPAN	NO.	WEIGHT (LB)
3'-0"	4	15
4'-0"	5	18
5'-0"	6	22
6'-0"	7	26
8'-0"	9	33
10'-0"	11	40
12'-0"	13	47



ONE SET OF 5#1 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

LATEST REVISION DATE 07-14 APPROVED BY BRIDGE ENGINEER 	 STANDARD DESIGN SINGLE REINFORCED CONCRETE BOX CULVERTS APRIL, 2012	
	TYPICAL CULVERT BARREL DETAILS	RCB G2-12