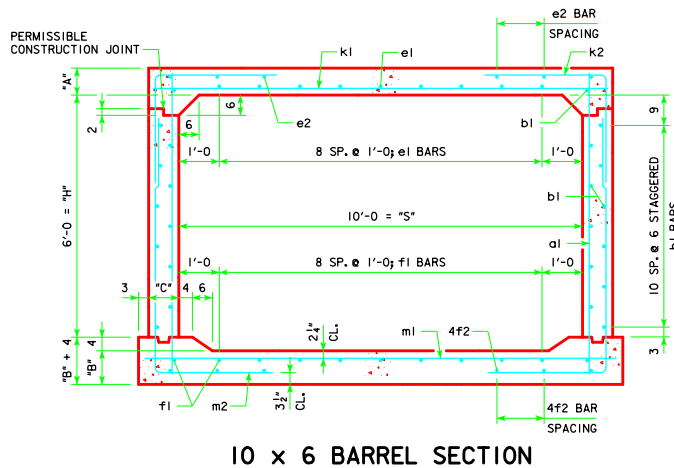
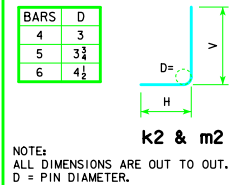


VARIABLE DIMENSIONS AND QUANTITIES FOR 10 x 6 BARREL SECTIONS

FILL	DIMENSIONS							BAR LIST																											QUANTITIES														
	S	H	A	B	C	D		a1			b1			e1			e2			f1			f2			k1			k2			k9			m1			m2			m9			CONCRETE (CY/FT)				STEEL (LB/FT)	
	SIZE	SP.	L	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SIZE	SP.	NO.	SLAB	FLOOR	WALLS	TOTAL			
0	10	6	12	12	9	6	4	6	7'-11	4	6	24	4	12	9	4	13	8	4	12	11	4	13	8	5	6	11'-2	4	6	7'-0	3'-10	3'-2	4	11'-2	5	6	11'-8	4	6	10'-3	3'-10	6'-5	4	11'-8	0.458	0.481	0.313	1.252	156.63
1	10	6	12	12	9	6	4	6	7'-11	4	6	24	4	12	9	4	13	8	4	12	11	4	16	6	6	9	11'-2	4	6	7'-1	3'-11	3'-2	4	11'-2	5	6	11'-8	4	6	9'-9	3'-4	6'-5	4	11'-8	0.458	0.481	0.313	1.252	154.00
2	10	6	8	10	9	9	4	9	7'-5	4	6	24	4	12	9	4	16	6	4	12	11	4	16	6	6	6	11'-2	6	9	6'-6	3'-3	3'-3	6	11'-2	6	6	11'-8	6	9	9'-7	3'-4	6'-3	6	11'-8	0.316	0.407	0.313	1.036	192.42
3	10	6	8	10	9	9	4	9	7'-5	4	6	24	4	12	9	4	15	6	4	12	11	4	15	6	6	6	11'-2	6	9	6'-4	3'-2	3'-2	6	11'-2	6	6	11'-8	6	9	9'-4	3'-1	6'-3	6	11'-8	0.316	0.407	0.313	1.036	187.29
4-7	10	6	8	10	9	9	4	12	7'-5	4	6	24	4	12	9	4	14	6	4	12	11	4	14	6	6	6	11'-2	5	6	6'-0	3'-0	3'-0	5	11'-2	6	6	11'-8	5	6	9'-2	2'-11	6'-3	5	11'-8	0.316	0.407	0.313	1.036	182.05
8-10	10	6	8	10.5	9	9	4	12	7'-5	4	6	24	4	12	9	4	13	6	4	12	11	4	13	6	6	6	11'-2	5	6	5'-8	2'-10	2'-10	5	11'-2	7	6	11'-8	5	6	9'-1	2'-9	6'-4	5	11'-8	0.316	0.425	0.313	1.054	193.11
11-15	10	6	8.5	10.5	9	9	5	12	7'-6	4	6	24	4	12	9	4	13	6	4	12	11	4	12	6	7	6	11'-2	5	6	5'-8	2'-10	2'-10	5	11'-2	7	6	11'-8	5	6	8'-11	2'-5	6'-4	5	11'-8	0.334	0.425	0.313	1.072	210.55
16-20	10	6	10.5	12.5	9	6	4	6	7'-10	4	6	24	4	12	9	4	11	6	4	12	11	4	11	6	7	6	11'-2	6	9	5'-9	2'-5	3'-4	6	11'-2	8	6	11'-8	6	9	8'-11	2'-5	6'-6	6	11'-8	0.405	0.500	0.313	1.218	230.63
21-25	10	6	12	14	9	6	4	6	8'-1	4	6	24	4	12	9	4	10	6	4	12	11	4	10	6	8	6	11'-2	6	9	5'-9	2'-3	3'-6	6	11'-2	8	6	11'-8	6	9	8'-11	2'-4	6'-7	6	11'-8	0.458	0.555	0.313	1.326	245.50
26-30	10	6	14	16	9	9	4	9	8'-5	4	6	24	4	12	9	4	10	6	4	12	11	4	10	6	8	6	11'-2	6	9	6'-0	2'-4	3'-8	6	11'-2	8	6	11'-8	6	9	9'-1	2'-4	6'-9	6	11'-8	0.529	0.629	0.313	1.471	240.71
31-35	10	6	15	17.5	10	6	4	6	8'-7	4	6	24	4	12	9	4	11	6	4	12	11	4	11	6	8	6	11'-2	6	9	6'-3	2'-6	3'-9	6	11'-2	8	6	11'-8	6	9	9'-5	2'-6	6'-11	6	11'-8	0.575	0.696	0.347	1.618	252.84
36-40	10	6	16.5	19	10.5	6	4	6	8'-10	4	6	24	4	12	9	4	11	6	4	12	11	4	11	6	8	6	11'-5	6	9	6'-6	2'-7	3'-11	6	11'-5	8	6	11'-11	6	9	9'-8	2'-8	7'-0	6	11'-11	0.635	0.757	0.366	1.758	256.50
41-45	10	6	17.5	20	11	6	4	6	9'-0	4	6	24	4	12	9	4	11	6	4	12	11	4	12	6	9	6	11'-6	6	9	6'-8	2'-8	4'-0	6	11'-6	9	6	12'-0	6	9	9'-10	2'-9	7'-1	6	12'-0	0.677	0.800	0.383	1.860	294.05
46-50	10	6	19	21	11.5	6	4	6	9'-3	4	6	24	4	12	9	4	12	6	4	12	11	4	12	6	9	6	11'-7	6	9	6'-11	2'-10	4'-1	6	11'-7	9	6	12'-1	6	9	10'-0	2'-10	7'-2	6	12'-1	0.738	0.845	0.400	1.983	297.58
51-55	10	6	20	22.5	12	6	4	6	9'-5	4	6	24	4	12	9	4	12	6	5	12	11	4	13	6	9	6	11'-8	6	9	7'-1	2'-11	4'-2	6	11'-8	9	6	12'-2	6	9	10'-4	3'-0	7'-4	6	12'-2	0.781	0.909	0.418	2.108	305.37

BENT BAR DETAIL



NOTES:

- 1. DIMENSIONS LISTED ON THIS SHEET TO BE USED IN CONJUNCTION WITH SHEET RCB G2-12.
- 2. THE K2 AND M2 BARS HORIZONTAL LEGS MAY LAP IN LOW FILL SITUATIONS.
- 3. DIMENSIONS "A", "B", "C", "D", AND "SP." LISTED IN THE BAR LIST ARE IN INCHES.

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER <i>Thomas E. McQuinn</i>	Iowa Department of Transportation Highway Division	
		STANDARD DESIGN SINGLE REINFORCED CONCRETE BOX CULVERTS APRIL, 2012	
		CULVERT BARREL DETAILS 10 x 6 BARREL SECTIONS	RCB 10-6-12