

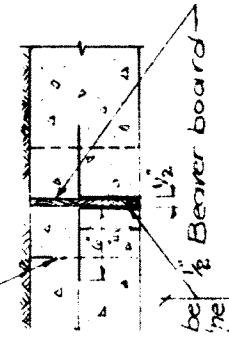
CULVERT FILE NO. 71107

BARREL REINFORCING SCHEDULE

Mark	Size	Length	No. Bars	Spacing	Shape	Placing	Weight
A	6	—	—	—	Straight	Trans. Top & Bottom Slab	—
B	6	3/4"	7-10	364	Straight	Trans. Top & Bottom Slab	4270
C	6	—	—	—	Straight	Ins. Face Vert. - Outside Walls	—
D	6	5/8"	6-6	364	1 1/2" x 3/4"	Bottom Slab to Cut-side Wall	2488
E	6	5/8"	10-8	364	1 1/2" x 3/4"	Outside Wall to Top Slab	4050
F	6	—	—	—	Straight	Dowels - Bot. to Top	—
G	6	—	—	—	Straight	Vert. - Interior Walls	—
H	6	5/8"	30-0	42	Straight	Long - Top of Bot. Slab	1310
J	6	5/8"	30-0	30	Straight	Long - Interior Walls	940
K	6	5/8"	30-0	30	Straight	Long - Exterior Walls	940
							13050

This dimension constant for all values of T_o

Hold down in place with wire ties to perforated legs

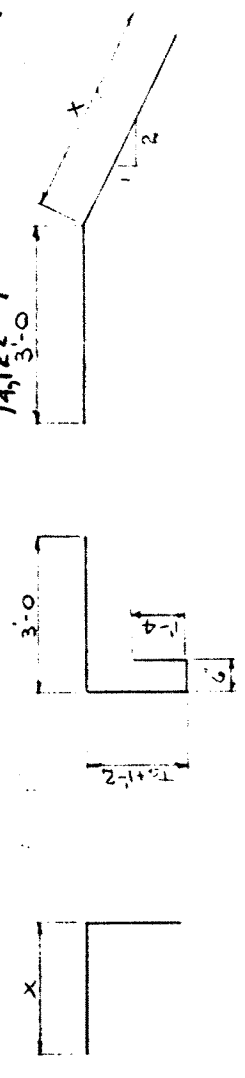


ON DAM IN EXTERIOR ALL AND TOP SLAB

SECT. C-C

BOX ENTRANCE REINFORCING SCHEDULE FOR TWO CELLS

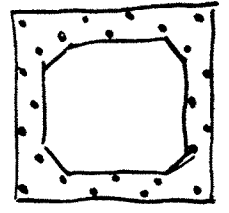
MARK	TYPE	No.	SIZE	LENGTH	No.	SIZE	LENGTH	WEIGHT	No.	SIZE	LENGTH	WEIGHT	
A ₁	STR	22	1/2"	6-0	28	1/2"	7-8	143.40	30	5/8"	8-0	300.30	
A ₂	STR	26	1/2"	3-0	28	1/2"	12-0	224.56	28	5/8"	15-0	438.20	
C ₁	B	16	1/2"	6-3	18	1/2"	6-3	81.18	18	5/8"	6-3	21.50	
C ₂	STR	4	1/2"	6-6	4	1/2"	7-8	20.54	4	5/8"	8-0	33.44	
WV ₁	A	12	1/2"	3-0	12	1/2"	3-0	5-6	44.08	12	5/8"	3-5	68.84
WV ₂	A	8	1/2"	3-0	12	1/2"	3-0	7-0	56.12	12	5/8"	3-5	87.62
WV ₃	A	8	1/2"	3-0	12	1/2"	3-0	8-6	68.14	12	5/8"	3-5	106.38
WV ₄	A	8	1/2"	3-0	12	1/2"	3-0	8-6	68.14	12	5/8"	3-5	106.38
WV ₅	STR	20	1/2"	12-0	20	1/2"	12-0	60.32	20	5/8"	15-0	232.30	
WV ₆	STR	4	1/2"	10-0	4	1/2"	10-0	26.72	4	5/8"	15-0	56.20	
WV ₇	STR	8	1/2"	8-0	8	1/2"	8-0	42.72	8	5/8"	9-0	97.00	
WV ₈	STR	4	1/2"	6-0	4	1/2"	6-0	16.04	4	5/8"	7-0	37.50	
WV ₉	STR	4	1/2"	2-6	4	1/2"	2-6	3.08	4	5/8"	3-0	58.00	
WV ₁₀	STR	4	1/2"	4-0	4	1/2"	4-0	10.08	4	5/8"	5-0	31.50	
WV ₁₁	STR	4	1/2"	5-6	4	1/2"	5-6	14.70	4	5/8"	6-0	23.30	
WV ₁₂	STR	4	1/2"	5-6	4	1/2"	5-6	14.70	4	5/8"	6-0	23.30	
WV ₁₃	STR	4	1/2"	14-11	4	1/2"	14-11	34.98	4	5/8"	15-4	44.10	
WS	C	8	1/2"	7-8	8	1/2"	11-3	15.24	8	5/8"	13-2	132.20	
A ₁		22	1/2"	12-8	28	1/2"	14-11	276.65	36	5/8"	15-0	575.61	
A ₂		44	1/2"	10-0	52	1/2"	10-0	470.4	32	5/8"	13-0	313.20	
C ₁		28	1/2"	6-3	32	1/2"	6-3	44.32	28	5/8"	6-3	76.00	
C ₂		4	1/2"	12-3	4	1/2"	14-11	34.98	4	5/8"	15-4	44.10	
Total for 1 cell									1072	2108			
Total for 2 cells									1114	2884			



TYPE A BAR TYPES TYPE B TYPE C

NOTE: Approximate steel weight = 110 lb per cu yd of conc.

Refer to Drawg 1020-P and S-536



GENERAL DETAILS OF STANDARD CONCRETE BOX CULVERTS

6'-6" x 6'-6" - 10" Thickness

GOVERNMENT OF ALBERTA DEPARTMENT OF HIGHWAYS BRIDGE BRANCH, EDMONTON

FILE NO. 71107 HWY. NO. 6-A

LOCATION N/W/28-3-29-4 SCALE

STREAM Tech. RUNOFF SHEET 3 OF 3 DWG. NO. S-536-6