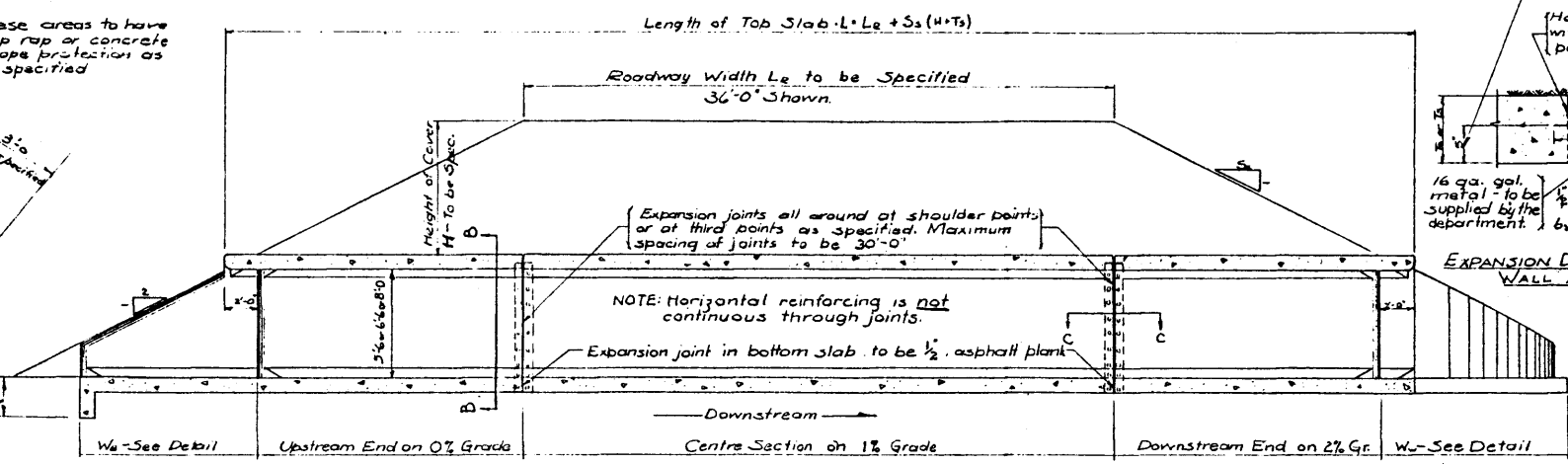
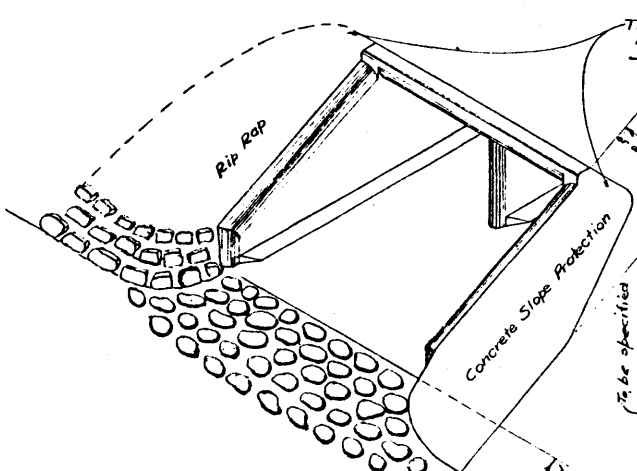
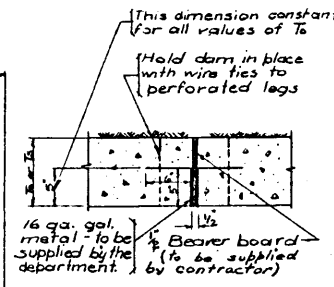


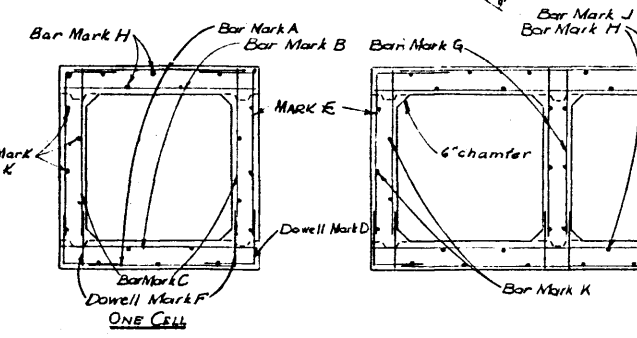
Mark	Size	Length	No.	Weight	Shape	Placing	Weight
A					Straight	Trans-Top & Bottom Slab	
B					Straight	Trans-Top & Bottom Slab	
C					Straight	Ins. face Vert. - Outside Wall	
D						Bottom Slab to Outside Wall	
E						Outside Wall to Top Slab	
F					Straight	Dowells-Bot. Saw in wall	
G					Straight	Vert.-Interior Walls	
H					Straight	Long-Top & Bot. Slab	
J					Straight	Long-Interior Walls	
K					Straight	Long-Exterior Walls	
Total							



BOX ENTRANCE REINFORCING SCHEDULE FOR TWO ENDS

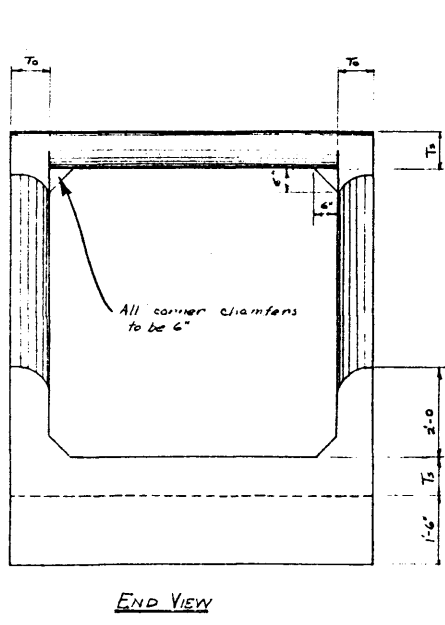
MARK	TYPE	5'-6" x 5'-6"				6'-6" x 6'-6"				6'-6" x 8'-0"						
		No.	SIZE	X	LENGTH	Weight	No.	SIZE	X	LENGTH	Weight	No.	SIZE	X	LENGTH	Weight
A1	STR	22	1/2"		6'-6"	95.52	28	1/2"		7'-8"	143.46	36	5/8"		8'-0"	300.38
A2	STR	26	1/2"		10'-0"	173.68	28	1/2"		12'-0"	224.56	36	5/8"		15'-0"	438.20
C1	B	16	1/2"		6'-9"	12.14	18	1/2"		6'-9"	8.18	18	5/8"		6'-9"	12.150
C2	STR	4	1/2"		6'-6"	17.36	4	1/2"		7'-8"	20.54	4	5/8"		8'-0"	33.44
WV1	A	12	1/2"	3'-0"	5'-6"	44.08	12	1/2"	3'-0"	5'-6"	44.08	12	5/8"	3'-0"	5'-6"	68.84
WV2	A	8	1/2"	3'-0"	7'-0"	37.40	12	1/2"	3'-0"	7'-0"	56.12	12	5/8"	3'-0"	7'-0"	87.62
WV3	A	8	1/2"	3'-0"	8'-0"	42.76	12	1/2"	3'-0"	8'-0"	68.14	12	5/8"	3'-0"	8'-0"	106.38
WV4	A						12	5/8"	3'-0"	10'-0"	125.16					
WH1	STR	20	1/2"		10'-0"	133.60	20	1/2"		12'-0"	160.32	20	5/8"		15'-0"	312.90
WH2	STR	4	1/2"		8'-0"	21.38	4	1/2"		10'-0"	26.72	4	5/8"		13'-0"	54.24
WH3	STR	8	1/2"		6'-0"	32.06	8	1/2"		8'-0"	42.76	8	5/8"		11'-0"	91.78
WH4	STR						4	1/2"		6'-0"	16.04	4	5/8"		9'-0"	37.54
WH5	STR										8	5/8"		7'-0"	58.40	
WV10	STR	4	1/2"		2'-6"	6.68	4	1/2"		2'-6"	6.68	4	5/8"		2'-6"	10.44
WV11	STR	4	1/2"		4'-0"	10.68	4	1/2"		4'-0"	10.68	4	5/8"		4'-0"	16.68
WV12	STR	4	1/2"		5'-6"	14.70	4	1/2"		5'-6"	14.70	4	5/8"		5'-6"	22.94
WV13	STR						4	5/8"		7'-0"	29.20					
WS	C	8	3/4"		7'-8"	108.18	8	3/4"		10'-11"	156.24	8	3/4"		13'-2"	192.26
A1		22	1/2"		12'-8"	186.20	28	1/2"		14'-11"	278.45	36	5/8"		15'-4"	575.61
A2		44	1/2"		10'-0"	243.92	52	1/2"		12'-0"	417.04	52	5/8"		15'-0"	813.80
C1		28	1/2"		6'-9"	126.26	32	1/2"		6'-9"	144.32	32	5/8"		6'-9"	216.00
C2		4	1/2"		12'-8"	33.84	4	1/2"		14'-11"	39.93	4	5/8"		15'-4"	64.10
Total for 1 cell						830.					1072					2108.
Total for 2 cells						1112.					1482					2884.

ISOMETRIC DRAWING OF BOX ENTRANCE

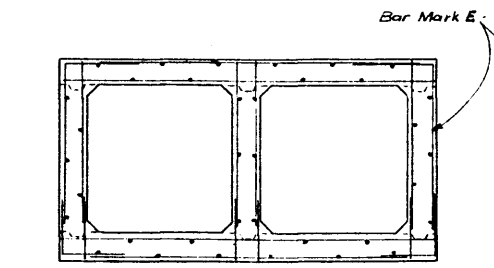


Showing typical Box Entrance for single and double cell only when specified

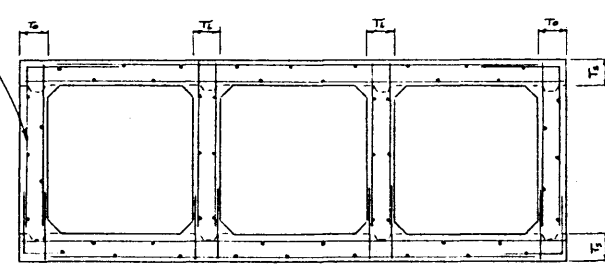
TYPICAL LONGITUDINAL SECTION OF TWO CELL CULVERT



Showing typical Swept Back Wings. May be specified for all sizes and number of cells.

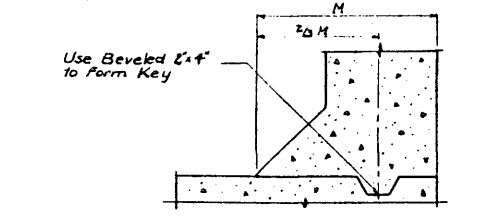


TWO CELL

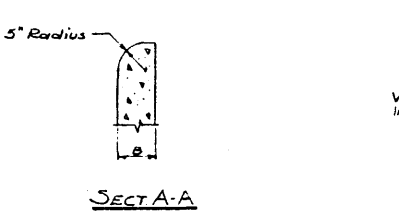


THREE CELL

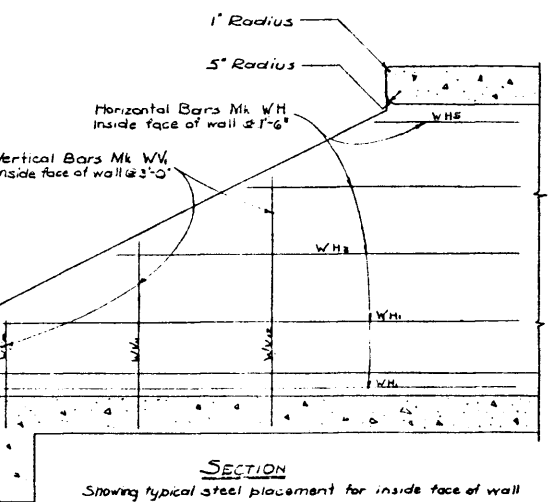
SECTION B-B - TYPICAL CROSS-SECTION OF BARRELS
 Showing typical steel placement and marks and construction joints



DETAIL OF CONSTRUCTION JOINT

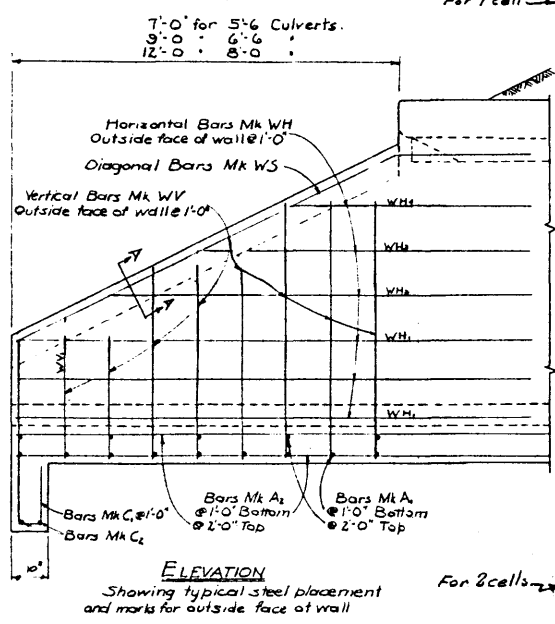


SECT A-A



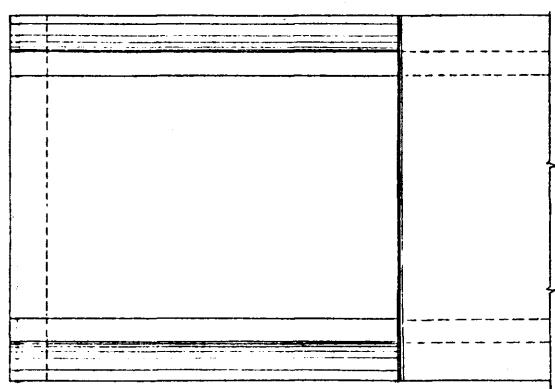
SECTION

Showing typical steel placement for inside face of wall

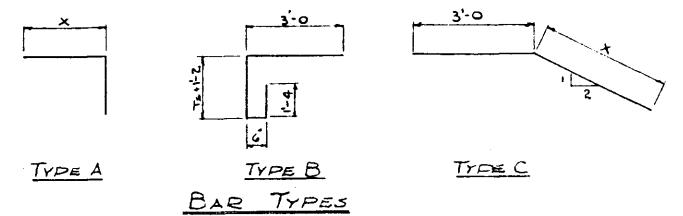


ELEVATION

Showing typical steel placement and marks for outside face of wall



PLAN VIEW
 TYPICAL BOX ENTRANCE



BAR TYPES

NOTE: All reinforcing to be field bent.

CULVERT BARREL CONCRETE DIMENSIONS

No. of Cells	COVER DEPTH	5'-6" x 5'-6"			6'-6" x 6'-6"			6'-6" x 8'-0"		
		T _s	T _o	T _i	T _s	T _o	T _i	T _s	T _o	T _i
1	0'-10"	9	8	9	9	9	9	10	10	10
	10'-20"	10	9	10	10	10	10	11	11	11
	20'-30"	11	10	11	11	11	11	12	12	12
Multiple	0'-10"	8	8	6	8	9	7	8	10	8
	10'-20"	9	9	8	9	10	8	9	11	9
	20'-30"	10	10	9	10	11	9	10	12	10

NOTE: Walls and slab of Box Entrance to be same thickness as those on the barrel

Notes:
 1. Approximate steel weight - 120 pounds per cubic yard.
 2. Refer to drawing S-538 for details of curved wings.
 3. Exact details as to location, size, length, skew, detail of culvert ends, number and spacing of

bars, concrete thicknesses, etc., to be specified for each individual culvert installation.
 4. In general, curved wings as shown on drawing S-538 will be used throughout with straight wings as shown on this drawing for special cases.

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	MAY 20, 1954	NOTES ADDED	DLF
2	JUNE 9, 1954	REVISED STEEL SCHEDULE	DLF

GENERAL DETAILS OF STANDARD CONCRETE BOX CULVERTS

GOVERNMENT OF THE PROVINCE OF ALBERTA
 DEPARTMENT OF HIGHWAYS
 BRIDGE BRANCH, EDMONTON

FILE NO. _____ HWY. NO. _____ DWG. NO. **S-536**
 LOCATION _____ SCALE _____ SHEET 1 OF _____
 STREAM _____

DESIGNED BY: _____ DATE: MARCH 16, 1953
 CHECKED BY: _____ DATE: _____

ALBERTA RECORDS CENTRE