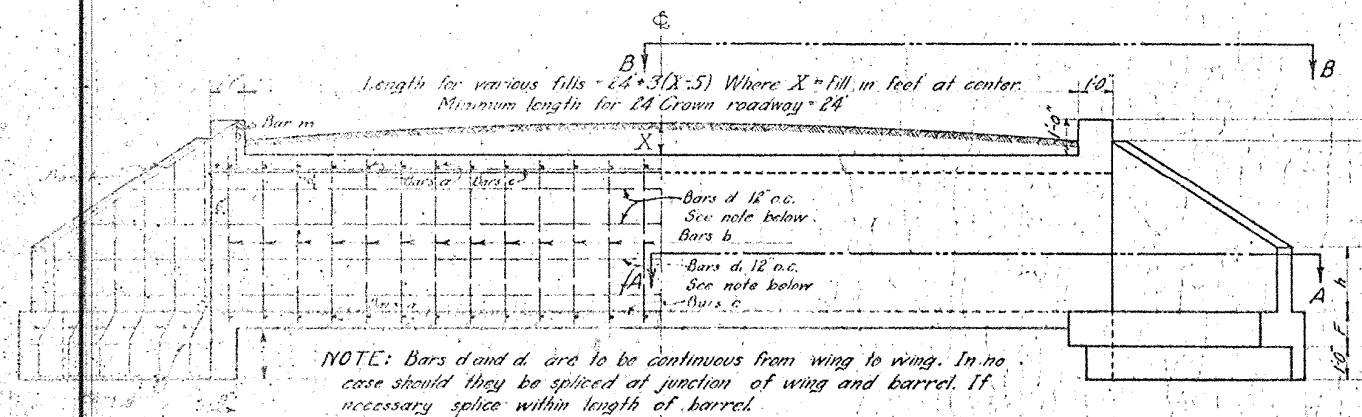
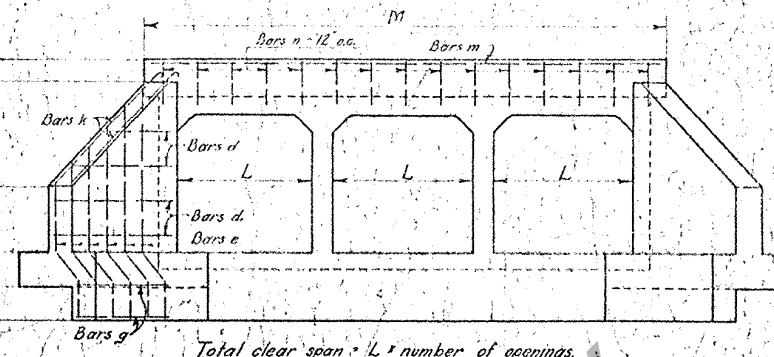


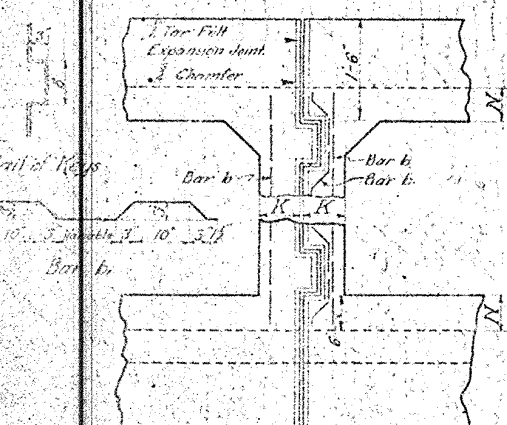
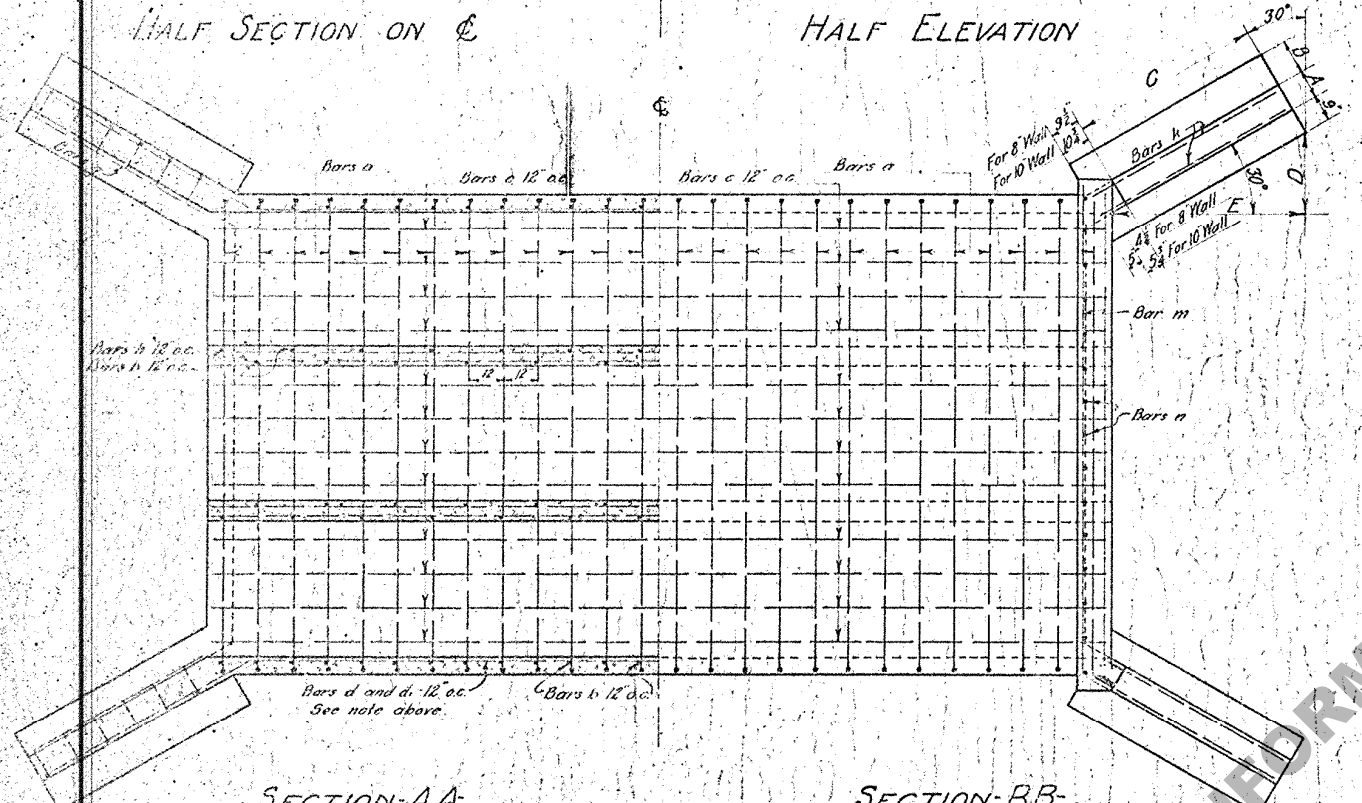
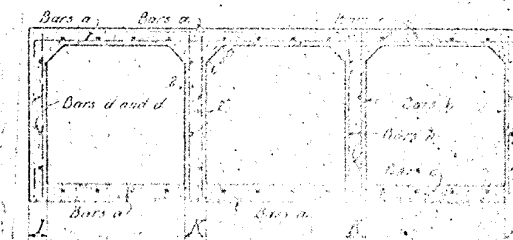


HALF SECTION ON C

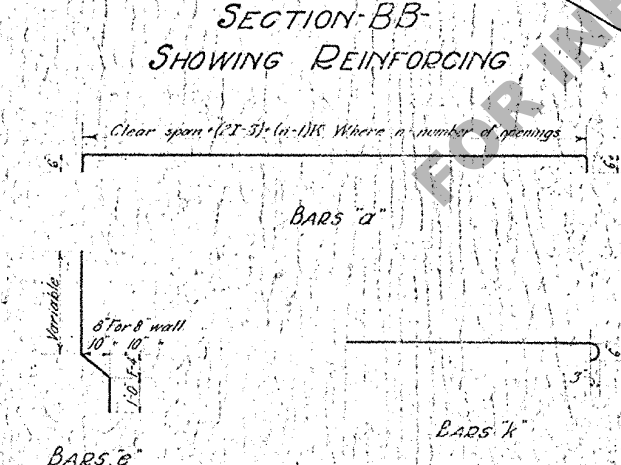
HALF ELEVATION



END ELEVATION



to be used in large culverts when so directed by Engineer



REINFORCEMENT FOR 24" CULVERT

Clear Total Height	Clear Span	Bars a		Bars a		Bars b		Bars c		Bars d		Bars d		Bars h		Bars n		Bars e		Bars g		Bars k							
		No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length						
3	6	70	8'-3"	9	70	2'-0"	78	3'-9"	12	25'-9"	31'-3"	3'-6"	34'-9"	2	2	34'-10"	3	25'-9"	2	7'-0"	16	1'-3"	7-8	6'-0"	4	4	4'-9"	8	6'-0"
	9	70	11'-9"	9	140	2'-0"	104	3'-9"	18	25'-9"	31'-3"	3'-6"	34'-9"	2	2	34'-10"	6	25'-9"	2	11'-3"	24	1'-3"	7-8	7'-6"	4	4	4'-9"	8	6'-0"
	12	70	15'-3"	9	210	2'-0"	130	3'-9"	24	25'-9"	31'-3"	3'-6"	34'-9"	2	2	34'-10"	9	25'-9"	2	14'-3"	30	1'-3"	7-8	7'-6"	4	4	4'-9"	8	6'-0"
	15	70	18'-9"	9	280	2'-0"	156	3'-9"	30	25'-9"	31'-3"	3'-6"	34'-9"	2	2	34'-10"	12	25'-9"	2	18'-3"	38	1'-3"	7-8	7'-6"	4	4	4'-9"	8	6'-0"
	18	70	22'-3"	9	350	2'-0"	182	3'-9"	36	25'-9"	31'-3"	3'-6"	34'-9"	2	2	34'-10"	15	25'-9"	2	21'-3"	44	1'-3"	7-8	7'-6"	4	4	4'-9"	8	6'-0"
4	8	70	10'-4"	9	70	2'-0"	78	4'-9"	16	25'-9"	31'-3"	3'-6"	34'-9"	2	4	37'-0"	4	25'-9"	2	10'-3"	22	1'-3"	4-3	7'-2"	4	4	4'-9"	8	7'-5"
	12	70	14'-11"	9	140	2'-0"	104	4'-9"	24	25'-9"	31'-3"	3'-6"	34'-9"	2	4	37'-0"	8	25'-9"	2	16'-3"	30	1'-3"	4-3	7'-2"	4	4	4'-9"	8	7'-5"
	16	70	19'-6"	9	210	2'-0"	130	4'-9"	32	25'-9"	31'-3"	3'-6"	34'-9"	2	4	37'-0"	12	25'-9"	2	20'-3"	40	1'-3"	4-3	7'-2"	4	4	4'-9"	8	7'-5"
	20	70	24'-4"	9	280	2'-0"	156	4'-9"	40	25'-9"	31'-3"	3'-6"	34'-9"	2	4	37'-0"	16	25'-9"	2	24'-0"	50	1'-3"	4-3	7'-2"	4	4	4'-9"	8	7'-5"
	24	70	28'-8"	9	350	2'-0"	182	4'-9"	48	25'-9"	31'-3"	3'-6"	34'-9"	2	4	37'-0"	20	25'-9"	2	28'-7"	58	1'-3"	4-3	7'-2"	4	4	4'-9"	8	7'-5"
5	10	78	12'-7"	8	76	3'-3"	78	5'-9"	20	25'-9"	31'-3"	3'-6"	38'-3"	2	4	39'-8"	5	25'-9"	2	12'-4"	26	1'-3"	4-9	7'-3"	4	4	4'-0"	8	8'-9"
	15	78	18'-3"	8	152	3'-3"	104	5'-9"	30	25'-9"	31'-3"	3'-6"	38'-3"	2	4	39'-8"	10	25'-9"	2	18'-0"	38	1'-3"	4-9	7'-3"	4	4	4'-0"	8	8'-9"
	20	78	23'-11"	8	208	3'-3"	130	5'-9"	40	25'-9"	31'-3"	3'-6"	38'-3"	2	4	39'-8"	15	25'-9"	2	23'-8"	48	1'-3"	4-9	7'-3"	4	4	4'-0"	8	8'-9"
	25	78	29'-7"	8	284	3'-3"	156	5'-9"	50	25'-9"	31'-3"	3'-6"	38'-3"	2	4	39'-8"	20	25'-9"	2	29'-4"	60	1'-3"	4-9	7'-3"	4	4	4'-0"	8	8'-9"
	30	78	35'-3"	8	360	3'-3"	182	5'-9"	60	25'-9"	31'-3"	3'-6"	38'-3"	2	4	39'-8"	25	25'-9"	2	35'-0"	70	1'-3"	4-9	7'-3"	4	4	4'-0"	8	8'-9"
6	12	88	14'-7"	7	86	3'-9"	78	6'-11"	24	25'-9"	31'-6"	3'-6"	38'-6"	2	6	41'-6"	6	25'-9"	2	14'-4"	30	1'-4"	5'-3"	7'-9"	4	4	4'-0"	8	10'-4"
	18	88	21'-3"	7	172	3'-9"	104	6'-11"	36	25'-9"	31'-6"	3'-6"	38'-6"	2	6	41'-6"	12	25'-9"	2	21'-0"	44	1'-4"	5'-3"	7'-9"	4	4	4'-0"	8	10'-4"
	24	88	27'-11"	7	248	3'-9"	130	6'-11"	48	25'-9"	31'-6"	3'-6"	38'-6"	2	6	41'-6"	18	25'-9"	2	27'-8"	56	1'-4"	5'-3"	7'-9"	4	4	4'-0"	8	10'-4"
	30	88	34'-7"	7	324	3'-9"	156	6'-11"	60	25'-9"	31'-6"	3'-6"	38'-6"	2	6	41'-6"	24	25'-9"	2	34'-4"	70	1'-4"	5'-3"	7'-9"	4	4	4'-0"	8	10'-4"
	36	88	41'-3"	7	400	3'-9"	182	6'-11"	72	25'-9"	31'-6"	3'-6"	38'-6"	2	6	41'-6"	30	25'-9"	2	41'-0"	84	1'-4"	5'-3"	7'-9"	4	4	4'-0"	8	10'-4"
8	16	122	19'-0"	5	120	5'-0"	70	9'-3"	32	25'-9"	32'-0"	3'-6"	46'-0"	2	6	46'-8"	8	25'-9"	2	18'-5"	38	1'-6"	6'-3"	7'-11"	4	4	4'-0"	8	11'-3"
	24	122	27'-9"	5	240	5'-0"	104	9'-3"	48	25'-9"	32'-0"	3'-6"	46'-0"	2	6	46'-8"	16	25'-9"	2	27'-2"	56	1'-6"	6'-3"	7'-11"	4	4	4'-0"	8	11'-3"
	32	122	36'-6"	5	360	5'-0"	130	9'-3"	64	25'-9"	32'-0"	3'-6"	46'-0"	2	6	46'-8"	24	25'-9"	2	35'-10"	74	1'-6"	6'-3"	7'-11"	4	4	4'-0"	8	11'-3"
	40	122	45'-3"	5	480	5'-0"	156	9'-3"	80	25'-9"	32'-0"	3'-6"	46'-0"	2	6	46'-8"	32	25'-9"	2	44'-8"	90	1'-6"	6'-3"	7'-11"	4	4	4'-0"	8	11'-3"
	48	122	54'-0"	5	600	5'-0"	182	9'-3"	96	25'-9"	32'-0"	3'-6"	46'-0"	2	6	46'-8"	40	25'-9"	2	53'-5"	108	1'-6"	6'-3"	7'-11"	4	4	4'-0"	8	11'-3"