

PLAN
 SURVEYED
 PLOTTED
 CHECKED
 NO.

PROFILE
 SURVEYED
 PLOTTED
 CHECKED
 NO.

CULVERT SIZE	TABLE OF DIMENSIONS							TOTAL QUANTITIES		TABLE OF REINFORCING STEEL FOR 2 WINGS																																			
	S	H	L	M	V	W	C	D	TA	K	K	K	Conc	Steel	Bars H-#4		Bars J-#6		Bars O #4 @ 12"		Bars P #4 @ 12"		Bars Q-Qx #4 @ 12"		Bars R 4-#4		Bars S 8-#4		Bars U #4		Bars V-Vx		8 Bars W		CULVERT SIZE										
															No	Lath	No	Lath	No	Av Lath	Wt	No	Lath	Wt	No	Av Lath	Wt	No	Av Lath	Wt	No	Av Lath	Wt	No		Av Lath	Wt	No	Av Lath	Wt	No	Av Lath	Wt	No	Av Lath
3 x 2	3'-6"	3'-8"	6"	6'-5 1/2"	1'-0"	2'-8"	6"	-	-	10"	1.73	241	12	20	8	48	3	5'-11"	12	4	3'-6"	9	3	6'-5"	13	4	4'-0"	11	6	5'-0"	20	6'-6"	17	3'-5"	18	8	3'-1"	16	16 #4	12"	3'-6"	37 #4	3'-9"	20	3 x 2
4 x 2	3'-6"	3'-8"	6"	7'-5 1/2"	1'-0"	2'-8"	6"	-	-	10"	3.03	371	16	27	8	48	3	7'-11"	16	6	4'-6"	18	3	8'-5"	17	6	5'-0"	20	10	6'-0"	40	8'-6"	23	5'-8"	30	12	4'-4"	35	24 #4	12"	4'-0"	64 #4	6'-3"	33	3 x 3
4 x 3	5'-6"	5'-11 1/2"	6"	9'-5 1/2"	1'-0"	3'-8"	6"	-	-	10"	1.93	256	12	20	8	48	4	5'-11"	16	4	5'-6"	9	4	6'-5"	17	4	4'-0"	11	6	6'-0"	20	7'-6"	20	3'-5"	18	8	3'-1"	16	16 #4	12"	3'-6"	37 #4	3'-9"	20	4 x 2
4 x 4	7'-6"	8'-2 3/8"	6"	11'-5 1/2"	1'-0"	4'-8"	6"	-	-	10"	3.29	390	16	27	8	48	4	7'-11"	21	6	4'-6"	18	4	8'-5"	22	6	5'-0"	20	10	7'-0"	47	9'-6"	25	5'-8"	30	12	4'-4"	35	24 #4	12"	4'-0"	64 #4	6'-3"	33	4 x 3
5 x 2	3'-6"	3'-8"	6"	8'-5 1/2"	1'-0"	2'-8"	6"	-	-	10"	4.98	558	20	33	8	48	4	9'-11"	26	8	5'-6"	29	4	10'-5"	28	8	6'-0"	32	14	8'-0"	75	11'-6"	31	7'-10"	42	16	5'-7"	60	36 #4	12"	4'-6"	108 #4	8'-7"	46	4 x 4
5 x 3	5'-6"	5'-11 1/2"	6"	10'-5 1/2"	1'-0"	3'-8"	6"	-	-	10"	2.12	271	12	20	8	48	5	5'-11"	20	4	3'-6"	9	5	6'-5"	21	4	4'-0"	11	6	7'-0"	28	8'-6"	23	3'-5"	18	8	3'-1"	16	16 #4	12"	3'-6"	37 #4	3'-9"	20	5 x 2
5 x 4	7'-6"	8'-2 3/8"	6"	12'-5 1/2"	1'-0"	4'-8"	6"	-	-	10"	3.56	410	16	27	8	48	5	7'-11"	26	6	4'-6"	18	5	8'-5"	28	6	5'-0"	20	10	8'-0"	53	10'-6"	28	5'-8"	30	12	4'-4"	35	24 #4	12"	4'-0"	64 #4	6'-3"	33	5 x 3
5 x 5	8'-7 1/2"	9'-3 3/8"	7"	13'-5 1/2"	1'-6"	5'-8"	6"	-	-	10"	5.32	583	20	33	8	48	5	9'-11"	33	8	5'-6"	29	5	10'-5"	35	8	6'-0"	32	14	9'-0"	84	12'-6"	33	7'-10"	42	16	5'-7"	60	36 #4	12"	4'-6"	108 #4	8'-7"	46	5 x 4
6 x 3	5'-6"	5'-11 1/2"	6"	11'-5 1/2"	1'-0"	3'-8"	6"	-	-	10"	7.17	728	24	40	8	48	5	10'-11"	36	8	6'-6"	35	5	11'-5"	38	8	7'-0"	37	16	9'-6"	102	13'-6"	36	9'-0"	48	20	6'-6"	87	40 #4	12"	5'-3"	140 #5	9'-8"	81	5 x 5
6 x 4	7'-6"	8'-2 3/8"	6"	13'-5 1/2"	1'-0"	4'-8"	6"	-	-	10"	3.83	432	16	27	8	48	6	7'-11"	32	6	4'-6"	18	6	8'-5"	34	6	5'-0"	20	10	9'-0"	60	11'-6"	31	5'-8"	30	12	4'-4"	35	24 #4	12"	4'-0"	64 #4	6'-3"	33	6 x 3
6 x 5	8'-7 1/2"	9'-3 3/8"	7"	14'-5 1/2"	1'-6"	5'-8"	6"	-	-	10"	5.66	610	20	33	8	48	6	9'-11"	40	8	5'-6"	29	6	10'-5"	42	8	6'-0"	32	14	10'-0"	94	13'-6"	36	7'-10"	42	16	5'-7"	60	36 #4	12"	4'-6"	108 #4	8'-7"	46	6 x 4
6 x 6	10'-9 1/2"	11'-6 1/2"	7"	16'-5 1/2"	1'-6"	6'-8"	6"	-	-	10"	7.55	757	24	40	8	48	6	10'-11"	44	8	6'-6"	35	6	11'-5"	46	8	7'-0"	37	16	10'-6"	112	14'-6"	39	9'-0"	48	20	6'-6"	87	40 #4	12"	5'-3"	140 #5	9'-8"	81	6 x 5
7 x 3	5'-7 1/2"	6'-0 1/2"	6"	12'-6 1/2"	1'-0"	3'-8 1/2"	6 1/2"	10"	10"	10"	10.13	972	28	47	8	48	6	12'-11"	52	10	7'-6"	50	6	13'-5"	54	10	8'-0"	53	20	11'-6"	154	16'-6"	44	11'-3"	60	24	7'-8"	123	48 #4	12"	5'-9"	184 #5	12'-4"	103	6 x 6
7 x 4	7'-7 1/2"	8'-3 3/8"	6"	14'-6 1/2"	1'-0"	4'-8 1/2"	6 1/2"	10"	10"	10"	6.37	642	20	33	8	48	7	10'-0"	47	8	5'-7"	30	7	10'-6"	49	8	6'-1"	33	14	11'-0"	103	14'-7"	39	9'-0"	48	20	6'-6"	87	40 #4	12"	4'-1"	76 #4	6'-3"	33	7 x 3
7 x 5	8'-8 1/2"	9'-4 3/8"	7"	15'-6 1/2"	1'-6"	5'-8 1/2"	6 1/2"	10"	10"	10"	8.37	792	24	40	8	48	7	11'-0"	51	8	6'-7"	35	7	11'-6"	54	8	7'-1"	38	16	11'-6"	123	15'-7"	42	9'-1"	49	20	6'-6"	87	40 #4	12"	5'-4"	142 #5	9'-11"	83	7 x 4
7 x 6	10'-8 1/2"	11'-4 3/8"	7"	17'-6 1/2"	1'-6"	6'-8 1/2"	6 1/2"	10"	10"	10"	11.15	1014	28	47	8	48	7	13'-0"	61	10	7'-7"	51	7	13'-6"	63	10	8'-1"	54	20	12'-6"	167	17'-7"	47	11'-4"	61	24	7'-9"	124	48 #4	12"	5'-10"	187 #5	12'-5"	104	7 x 5
8 x 4	7'-8 1/2"	8'-4 3/8"	6"	15'-7 1/2"	1'-0"	4'-8 1/2"	6 1/2"	10"	10"	10"	7.14	671	20	33	8	48	8	10'-1"	54	8	5'-8"	30	8	10'-7"	57	8	6'-2"	33	14	12'-0"	112	15'-8"	42	8'-1"	43	16	5'-7"	60	36 #4	12"	4'-8"	112 #4	8'-10"	47	8 x 4
8 x 5	8'-9 1/2"	9'-6 1/2"	7"	16'-7 1/2"	1'-6"	5'-9"	6 1/2"	10"	10"	10"	9.26	828	24	40	8	48	8	11'-1"	59	8	6'-8"	36	8	11'-7"	62	8	7'-2"	38	16	12'-6"	134	16'-8"	45	9'-2"	49	20	6'-7"	88	40 #4	12"	5'-5"	145 #5	10'-1"	84	8 x 5
8 x 6	10'-9 1/2"	11'-5 1/8"	7"	18'-7 1/2"	1'-6"	6'-9"	6 1/2"	10"	10"	10"	12.25	1053	28	47	8	48	8	13'-1"	70	10	7'-8"	51	8	13'-7"	73	10	8'-2"	55	20	13'-6"	180	18'-8"	50	11'-5"	61	24	7'-9"	124	48 #4	12"	5'-11"	190 #5	12'-6"	104	8 x 6
8 x 7	12'-9 1/2"	13'-11 1/8"	7"	20'-7 1/2"	1'-6"	7'-9"	6 1/2"	10"	10"	10"	15.60	1335	32	53	8	48	8	15'-1"	81	12	8'-8"	69	8	15'-7"	83	12	9'-2"	73	24	14'-6"	232	20'-8"	55	13'-8"	73	28	8'-11"	167	76 #4	9"	6'-5"	326 #5	15'-0"	125	8 x 7
8 x 8	13'-9 1/2"	15'-1 1/8"	8"	21'-7 1/2"	2'-0"	8'-9"	7"	9 1/2"	10"	10"	19.25	1818	36	60	8	48	8	16'-2"	86	12	9'-9"	78	8	16'-8"	89	12	10'-3"	82	26	15'-0"	261	21'-8"	58	14'-9"	79	32	9'-9"	208	120 #4	6"	7'-2"	575 #6	16'-2"	194	8 x 8
9 x 5	8'-10 1/2"	9'-7 1/8"	7"	17'-8 1/2"	1'-6"	5'-9 1/2"	6 1/2"	9 1/2"	9 1/2"	10"	9.82	858	24	40	8	48	9	11'-2"	67	8	6'-9"	36	9	11'-8"	70	8	7'-3"	39	16	13'-6"	144	17'-9"	47	9'-3"	49	20	6'-7"	88	40 #4	12"	5'-5"	145 #5	10'-2"	85	9 x 5
9 x 6	10'-10 1/2"	11'-10"	7"	19'-8 1/2"	1'-6"	6'-9 1/2"	6 1/2"	9 1/2"	9 1/2"	10"	12.91	1106	28	47	8	48	9	13'-2"	79	10	7'-9"	52	9	13'-8"	82	10	8'-3"	55	20	14'-6"	194	19'-9"	53	11'-6"	61	24	7'-9"	124	52 #4	12"	5'-11"	206 #5	12'-7"	105	9 x 6
9 x 7	12'-10 1/2"	14'-0 1/8"	7"	21'-8 1/2"	1'-6"	7'-9 1/2"	6 1/2"	9 1/2"	9 1/2"	10"	16.36	1428	32	53	8	48	9	15'-2"	91	12	8'-9"	70	9	15'-8"	94	12	9'-3"	74	24	15'-6"	248	21'-9"	58	13'-9"	73	28	8'-11"	167	76 #4	9"	6'-5"	326 #5	15'-1"	126	9 x 7
9 x 8	13'-10 1/2"	15'-2 1/4"	8"	22'-8 1/2"	2'-0"	8'-9 1/2"	7"	9 1/2"	9 1/2"	10"	20.09	1894	36	60	8	48	9	16'-3"	98	14	8'-10"	83	9	16'-9"	101	14	9'-4"	87	26	16'-0"	278	22'-9"	61	14'-10"	79	32	9'-10"	210	124 #4	6"	7'-2"	594 #6	16'-3"	195	9 x 8
9 x 9	15'-10 1/2"	17'-5 3/8"	8"	24'-8 1/2"	2'-0"	9'-9 1/2"	7"	9 1/2"	9 1/2"	10"	24.47	2563	40	67	8	48	9	18'-3"	110	16	9'-10"	105	9	18'-9"	113	16	10'-4"	110	30	17'-0"	341	24'-9"	66	17'-1"	91	36	11'-0"	265	120 #5	7"	8'-2"	1022 #6	18'-9"	225	9 x 9
10 x 5	8'-11 1/2"	9'-8 1/8"	7"	18'-9 1/2"	1'-6"	5'-10"	6 1/2"	9"	10"	10"	10.82	894	24	40	8	48	10	11'-3"	75	8	6'-10"	37	10	11'-9"	78	8	7'-4"	39	16	14'-6"	155	18'-10"	50	9'-4"	50	20	6'-8"	89	40 #4	12"	5'-6"	147 #5	10'-3"	86	10 x 5
10 x 6	10'-11 1/2"	11'-11 1/8"	7"	20'-9 1/2"	1'-6"	6'-10"	6 1/2"	9"	10"	10"	14.14	1149	28	47	8	48	10	13'-3"	89	10	7'-10"	52	10	13'-9"	92	10	8'-4"	56	20	15'-6"	207	20'-10"	56	11'-7"	62	24	7'-10"	126	52 #4	12"	6'-0"	208 #5	12'-8"	106	10 x 6
10 x 7	12'-11 1/2"	14'-1 1/8"	7"	22'-9 1/2"	1'-6"	7'-10"	6 1/2"	9"	10"	10"	17.84	1479	32	53	8	48	10	15'-3"	102	12	8'-10"	71	10	15'-9"	105	12	9'-4"	75	24	15'-6"	265	22'-10"	61	13'-10"	74	28	9'-0"	168	76 #4	9"	6'-6"	330 #5	15'-2"	127	10 x 7
10 x 8	13'-11 1/2"	15'-3 3/8"	8"	23'-9 1/2"	2'-0"	8'-10"	7"	9"	10"	10"	21.72	1849	36	60	8	48	10	16'-4"	109	14	8'-11"	83	10	16'-10"	112	14	9'-5"	88	26	17'-0"	295	23'-10"	64	14'-11"	80	32	9'-10"	210	104 #4	7"	7'-3"	504 #6	16'-4"	196	10 x 8
10 x 9	15'-11 1/2"	17'-6 1/8"	8"	25'-9 1/2"	2'-0"	9'-10"	7"	9"	10"	10"	26.36	2626	40	67	8	48	10	18'-4"	122	16	9'-11"	106	10	18'-10"	126	16	10'-5"	111	30	18'-0"	361	25'-10"	69	17'-2"	92	36	11'-0"	265	120 #5	7"	8'-3"	1033 #6	18'-10"	226	10 x 9
10 x 10	17'-11 1/2"	19'-9"	8"	27'-9 1/2"	2'-0"</																																								