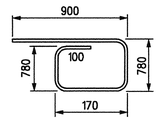
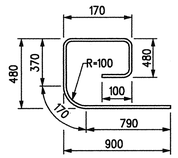
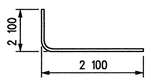
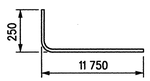
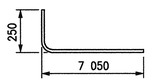
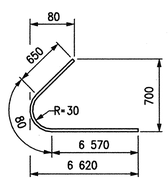
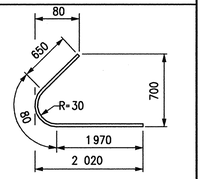
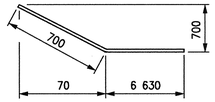
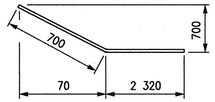
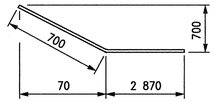
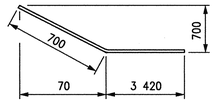
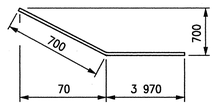
BILL OF REINFORCING

Site No. 2290-10

MARK	TYPE	PIN DIAMETER	LENGTH	No.	MASS	BENDING DIAGRAM
1001	BENT	45	2 730	52	111.44	
1002	BENT	45	2 080	52	84.91	
1501	BENT	90	4 200	1084	7147.90	
1502	BENT	90	12 000	56	1055.04	
1503	BENT	90	7 300	56	641.82	
1504	STR		6 800	60	640.56	
1505	STR		2 340	112	411.47	
1506	STR		3 550	544	3031.98	
1507	BENT		7 300	2	22.92	
1508	STR		6 610	4	41.51	

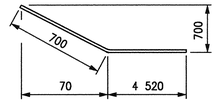
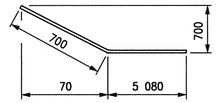
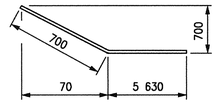
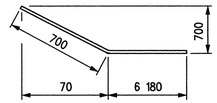
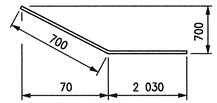
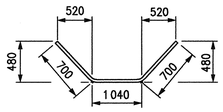
BILL OF REINFORCING

Site No. 2290-10

MARK	TYPE	PIN DIAMETER	LENGTH	No.	MASS	BENDING DIAGRAM
1509	BENT		2 700	2	8.48	
1510	BENT	90	7 330	2	23.02	
1511-1	BENT	90	3 020	2	9.48	
1511-2	BENT	90	3 570	2	11.21	
1511-3	BENT	90	4 120	2	12.94	
1511-4	BENT	90	4 670	2	14.66	

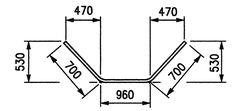
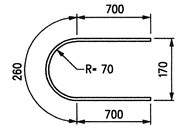
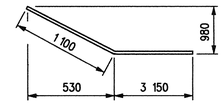
BILL OF REINFORCING

Site No. 2290-10

MARK	TYPE	PIN DIAMETER	LENGTH	No.	MASS	BENDING DIAGRAM
1511-5	BENT	90	5 220	2	16.39	
1511-6	BENT	90	5 780	2	18.15	
1511-7	BENT	90	6 330	2	19.88	
1511-8	BENT	90	6 880	2	21.60	
1512	BENT	90	2 730	2	8.57	
1513	STR		12 000	484	9118.56	
1514	STR		7 250	60	682.95	
1515	BENT	90	2 460	20	77.24	

BILL OF REINFORCING

Site No. 2290-10

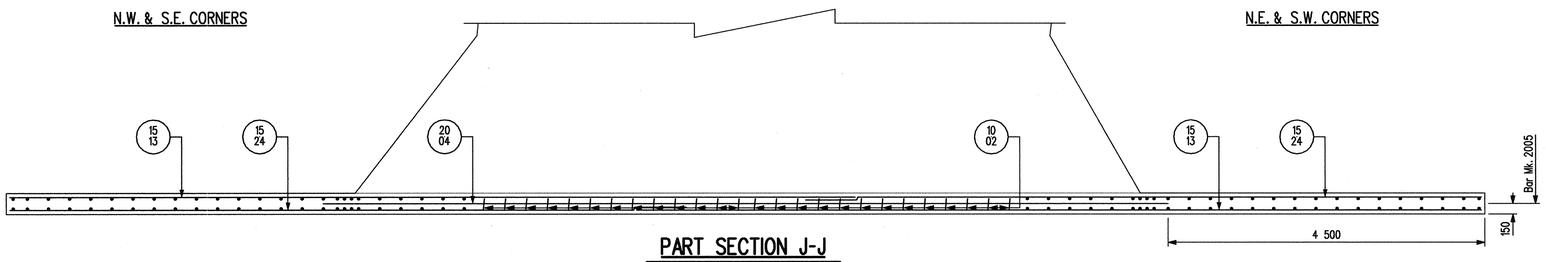
MARK	TYPE	PIN DIAMETER	LENGTH	No.	MASS	BENDING DIAGRAM
1516	BENT	90	2 360	20	74.10	
1517	BENT		1 660	20	52.12	
1518	STR		8 040	542	6841.56	
1519	BENT	90	4 250	8	53.38	
1520-1	STR		2 000	4	12.56	
1520-2	STR		2 280	4	14.32	
1520-3	STR		2 560	4	16.08	
1520-4	STR		2 830	4	17.77	
1520-5	STR		3 110	4	19.53	
1520-6	STR		3 380	4	21.23	
1520-7	STR		3 660	4	22.98	
1520-8	STR		3 940	4	24.74	
1520-9	STR		4 210	4	26.44	
1520-10	STR		4 490	4	28.20	
1520-11	STR		4 760	4	29.89	
1520-12	STR		5 040	4	31.65	
1520-13	STR		5 320	4	33.41	
1520-14	STR		5 590	4	35.11	
1520-15	STR		5 870	4	36.86	
1520-16	STR		6 140	4	38.56	
1520-17	STR		6 420	4	40.32	
1521	STR		2 000	8	25.12	
1522-1	STR		850	8	10.68	
1522-2	STR		1 010	8	12.69	
1522-3	STR		1 180	8	14.82	
1522-4	STR		1 340	8	16.83	
1522-5	STR		1 500	8	18.84	
1522-6	STR		1 670	8	20.98	
1522-7	STR		1 830	8	22.98	
1522-8	STR		1 990	8	24.99	
1522-9	STR		2 160	8	27.13	

NOTES:

1. For location of SECTION J-J see sheet No. 9.

N.W. & S.E. CORNERS

N.E. & S.W. CORNERS



PART SECTION J-J

REVISIONS		
DATE	BY	DESCRIPTION

PROVINCE OF MANITOBA A. H. PANKRATZ Nov 9/2009 REGISTERED PROFESSIONAL ENGINEER

REINFORCING DETAILS

FOR DOUBLE 3 600 x 3 000 R.C. BOX CULVERT
IN COULEE DES NAULT - 5.7° SKEW
ON P.T.H. No. 59 S.E. 1/4 SEC. 16-05-04E

R.M. of DE SALABERRY

Manitoba Infrastructure and Transportation
Water Control & Structures

DESIGN	BY: A.H.P.	
	CHECKED: M.H.	
DETAILS	BY: M.S.	
	CHECKED: A.H.P.	

RELEASED FOR CONSTRUCTION BY:

DIRECTOR STRUCTURES, DESIGN AND CONSTRUCTION BRANCH — DATE Nov. 09/09

SCALE: 1:40

SHEET No. 10

SITE No. 2290-10

...\229010\229010CulvertDetails.dgn 2009-11-05 7:49:40 AM