

STANDARD MNDOT PRECAST CONCRETE BOX CULVERTS							
SPAN x RISE (FEET)	CLASS	f'c (PSI)	FILL HEIGHT RANGE (FEET)	Tt (IN)	Tb (IN)	Ts (IN)	WEIGHT (LBS./FT.)
12 x 9	3	5000	8 - 15	9	10	8	5180
12 x 9	4	6000	15 - 23	11	12	9	6120
12 x 10	1	5000	< 2	9	10	8	5380
12 x 10	2	5000	2 - 8	9	10	8	5380
12 x 10	3	5000	8 - 15	10	10	8	5540
12 x 10	4	6000	15 - 23	11	12	9	6340
12 x 11	1	5000	< 2	9	10	8	5580
12 x 11	2	5000	2 - 8	9	10	8	5580
12 x 11	3	5000	8 - 15	10	10	8	5740
12 x 11	4	6000	15 - 23	11	12	9	6570
12 x 12	1	5000	< 2	9	10	8	5780
12 x 12	2	5000	2 - 8	9	10	8	5780
12 x 12	3	5000	8 - 15	10	10	8	5940
12 x 12	4	6000	15 - 23	11	12	9	6790
14 x 4	1	5000	< 2	10	10	8	4840
14 x 4	2	5000	2 - 6	10	10	8	4840
14 x 4	3	5000	6 - 11	10	11	9	5180
14 x 4	4	6000	11 - 17	12	12	10	5910
14 x 5	1	5000	< 2	10	10	8	5040
14 x 5	2	5000	2 - 6	10	10	8	5040
14 x 5	3	5000	6 - 11	10	11	9	5400
14 x 5	4	6000	11 - 17	12	12	10	6160
14 x 6	1	5000	< 2	10	10	8	5240
14 x 6	2	5000	2 - 6	10	10	8	5240
14 x 6	3	5000	6 - 11	10	11	9	5630
14 x 6	4	6000	11 - 17	12	12	10	6410
14 x 7	1	5000	< 2	10	10	8	5440
14 x 7	2	5000	2 - 6	10	10	8	5440
14 x 7	3	5000	6 - 11	10	11	9	5850
14 x 7	4	6000	11 - 17	12	12	10	6660
14 x 8	1	5000	< 2	10	10	8	5640

MNDOT SPEC. REF. 3238; 4 OF 5; NOT TO SCALE



DRW: DCD

DATE: 3/03

APP: HRS

DATE: 12/06

PRECAST CONCRETE BOX CULVERTS

STANDARD
PLATE
NO.
SEWR-4011