STANDARD LAYING LENGTH = 6.0'

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

MINNEAPOLIS
DEPARTMENT OF PUBLIC WORKS

DRAWN: DCD	DATE: 3/03
APPROVED: HRS	DATE: 12/06

PRECAST CONCRETE BOX CULVERTS

STANDARD PLATE NO. SEWR-4011