5:1 SLOPE										
Pipe Size	H	L	W	Longitudinal Pipe			Cross Tube			
				S	No.	Length	No.	Length	S 1	S 2
430 x 330	530	2670	610	2720	1	3340	1	800	1860	1370
530 x 380	580	2920	610	2980	1	3600	1	800	2040	1450
610 x 460	660	3300	920	3370	2	3990	1	1110	2660	1220
710 x 510	710	3560	920	3620	2	4250	1	1110	2920	1220
885 x 610	810	4060	1220	4140	3	4760	1	1410	3740	920
1060 x 740	940	4700	1220	4790	3	5410	1	1410	3930	1370
1240 x 840	1040	5210	1520	5310	3	5930	1	1720	3990	1830
1440 x 970	1170	5840	1520	5960	3	6580	1	1720	4030	2440
1620 x 1100	1300	6480	1830	6600	4	7220	1	2020	3910	3200
1800 x 1200	1400	6990	1830	7120	4	7740	1	2020	4120	3500

6:1 SLOPE										
Pipe Size	H	L	W	Longitudinal Pipe			Cross Tube			
				S	No.	Length	No.	Length	S 1	S 2
430 x 330	530	3200	610	3250	1	3960	2	800	2030	920
530 x 380	580	3510	610	3550	1	4270	2	800	1880	1150
610 x 460	660	3960	920	4020	2	4730	1	1110	2950	1680
710 x 510	710	4270	920	4320	2	5040	1	1110	2950	1980
885 x 610	810	4880	1220	4950	3	5660	1	1410	4030	1520
1060 x 740	940	5640	1220	5720	3	6430	1	1410	4120	2220
1240 x 840	1040	6250	1520	6340	3	7050	1	1720	4050	2890
1440 x 970	1170	7010	1520	7110	3	7820	1	1720	4210	3500
1620 x 1100	1300	7770	1830	7880	4	8600	2	2020	4070	2220
1800 x 1200	1400	8380	1830	8500	4	9210	2	2020	4080	2520

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

GRATED BOX END SECTION
TYPE I DIMENSIONS

JANUARY 1999

STANDARD DRAWING NO. **715-GBTO-07**

ANTHONY L. URENOVICH REGISTERED No. 18095 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

/s/ Anthony L. Uremovich 1-04-99
DESIGN STANDARDS ENGINEER DATE

/s/ Donald W. Lucas 1-04-99
CHIEF HIGHWAY ENGINEER DATE

Source Sheet: GBES 2