

“South Trunk” storm sewer in Goderich, Ontario of 1200 mm to 1600 mm diameter HEL-COR® Pipe



Compaction must be done with suitable mechanized equipment to reach the specified backfill density.

HEL-COR® storm sewer with manhole and Y-branch. The elbow is coupled to an existing pipe.



END-TREATMENTS:

END-SECTION: Armttec supplies durable, lightweight end-sections for improved hydraulic efficiency and erosion control. These sections help reduce scour at inlets and undermining at outlets, while providing an attractive, economical means of blending the culvert ends with the sloping embankment.

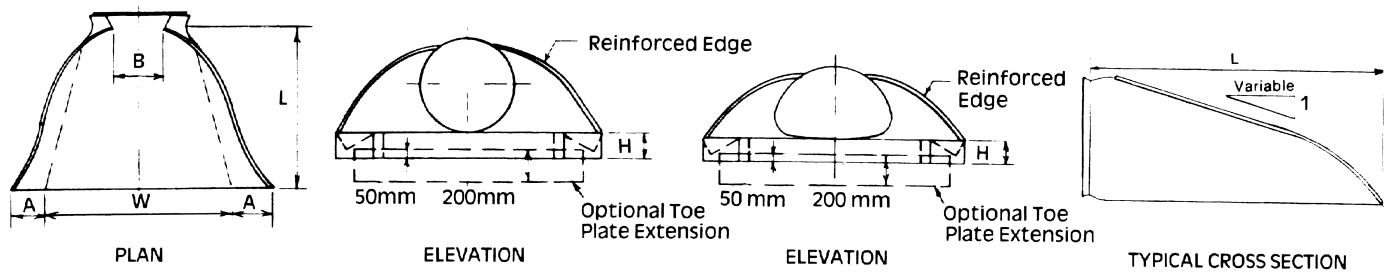
The end-sections, which clamp onto the culvert, can be positioned with light equipment or, in the case of the smaller sections, without any equipment. Earth is tamped around the sloping ends to complete the installation.



End section at street intersection improves appearance



End Section with high outlet velocity helps reduce erosion



**TABLE 4 - END SECTIONS FOR ROUND PIPE SHAPES
(DIMENSIONS IN mm)**

Pipe Diam.	Thickness	A	B	H	L	W	Approx. Slope	Weight (kg.)
300	1.6	150	150	150	530	610	2-1/2	11
400	1.6	175	200	150	660	760	2-1/2	15
450	1.6	200	255	150	785	915	2-1/2	19
500	1.6	230	300	150	915	1065	2-1/2	22
600	1.6	255	330	150	1040	1220	2-1/2	30
800	2.0	305	405	200	1295	1525	2-1/2	55
900	2.0	355	480	230	1525	1830	2-1/2	61
1000	2.8	405	560	280	1750	2135	2-1/2	145
1200	2.8	460	685	305	1980	2285	2-1/4	170
1400	2.8	460	760	305	2135	2590	2-1/4	200
1600	2.8/3.5	460	915	305	2210	3050	2	316
1800	2.8/3.5	460	990	305	2210	3200	2	327
2000	2.8/3.5	460	1065	305	2210	3350	1-1/2	367
2200	2.8/3.5	460	1145	305	2210	3505	1-1/2	386
2400	2.8/3.5	635	890	305	2210	3810	1-1/2	447

**TABLE 5 - END SECTIONS FOR PIPE-ARCH SHAPES
(DIMENSIONS IN mm)**

Span / Rise	Equiv. Round	Thickness	A	B	H	L	W	Approx. Slope	Weight (kg.)
560 x 420	450	1.6	180	255	150	585	915	2-1/2	19
680 x 500	600	1.6	230	355	150	810	1220	2-1/2	24
910 x 660	800	2.0	255	405	200	990	1525	2-1/2	42
1030 x 740	900	2.0	305	455	230	1170	1905	2-1/2	73
1150 x 820	1000	2.8	330	535	230	1345	2160	2-1/2	105
1390 x 970	1200	2.8	455	660	305	1600	2285	2-1/2	143
1630 x 1120	1400	2.8/3.5	455	840	305	1955	2895	1-1/2	217
1880 x 1260	1600	2.8/3.5	455	915	305	1955	3200	1-1/2	284
2130 x 1400	1800	2.8/3.5	455	990	305	1955	3505	1-1/2	304

- Notes:
1. All End Sections are shop assembled. Toe Plate extensions are available on special order basis.
 2. Connectors are included with each end section.
 3. Weights and dimensions are approximate.