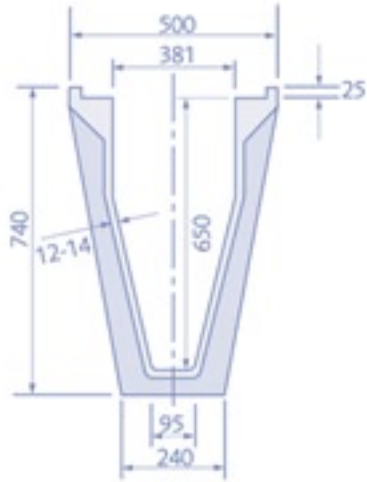
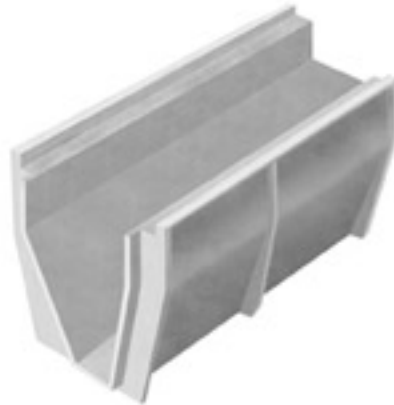


## Althon CH 375 Drainage Channel



CH 375 overall effective length 1500mm



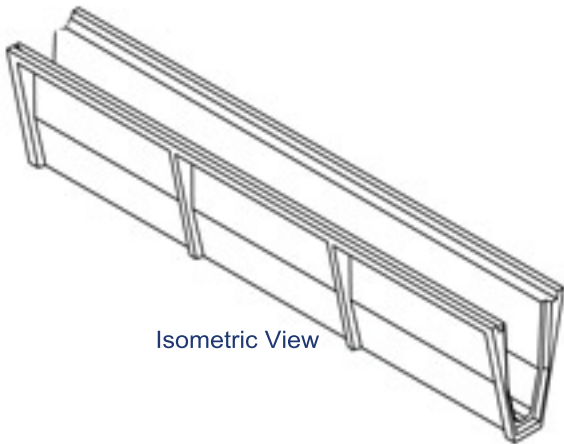
Althon High Capacity Drainage Channel can be laid without fall and will drain to the nearest outlet. The drainage channel's trapezoidal shape means it creates its own velocity and as such is self cleansing.

Althon				
	25mm/hr	50mm/hr	75mm/hr	100mm/hr
Flow rate I/S	Area Drained m <sup>2</sup>	Area Drained m <sup>2</sup>	Area Drained m <sup>2</sup>	Area Drained m <sup>2</sup>
100	1400	7500	5000	3400
180	25920	12960	8640	6480
195	28080	14040	9360	7020
220	31680	15840	10560	7920
250	36000	18000	12000	9000
380	54720	27360	18240	13680
520	74880	37440	24960	18720
850	122400	61200	40800	30600

Storage Capacity of channel to underside of lid for attenuation

Channel Size	Capacity l/m
375	184

Spigot End



Isometric View

Socket End

### Installation of Channels

1. Excavate trench to line and level having due regard for the size of the channel unit to be installed.
2. Ensure that there is a firm foundation to the bottom of the trench; otherwise seek expert geotechnical advice. Place 150mm minimum concrete grade ST4 in the bottom of the trench. If aggressive chemical conditions exist in the soil or ground waters, an enhanced concrete to suit must be specified.
3. Starting at the outfall end, lower the first channel unit onto the ST4 bedding, then dry joint successive units. Alternatively depending on the ground conditions, a trowel grade mastic can be used between adjacent units. Line and level the units with laser or other appropriate technique using the minimum solid packing under the channel.
4. Place ST4 grade concrete backfill surround to the channel, tamped or rammed as necessary to fill all voids, and finishing with a haunch 125mm to 250mm from the top level of the channel.