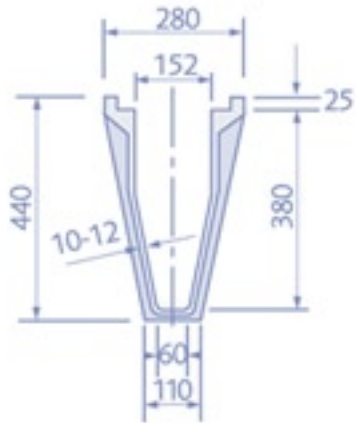
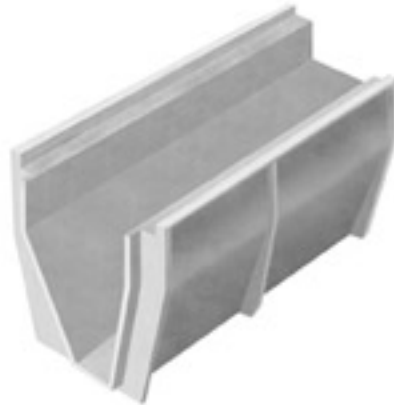


## Althon CH 150 Drainage Channel



CH 150 overall effective length 2000mm



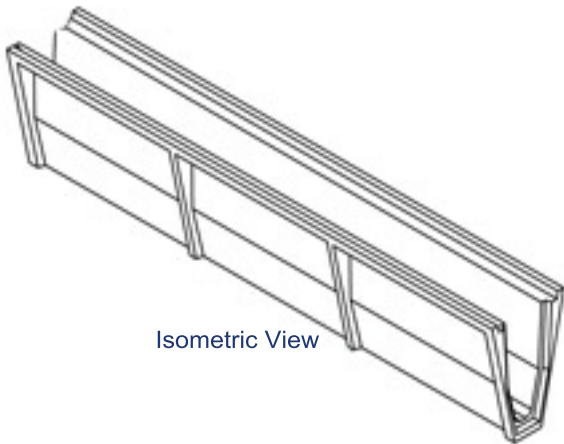
Althon High Capacity Drainage Channel can be laid without fall and will drain to the nearest outlet. The drainage channel's trapezoidal shape means it creates its own velocity and as such is self cleansing.

		Althon			
Rainfall Rate		25mm/hr	50mm/hr	75mm/hr	100mm/hr
	Flow rate l/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>
Channel gradient					
Flat/0%	25	3350	1750	1150	850
1:500/0.20%	28	4032	2016	1344	1008
1:400/0.25%	30	4320	2160	1440	1080
1:300/0.33%	33	4752	2376	1584	1188
1:200/0.50%	40	5760	2880	1920	1440
1:100/0.10%	60	8640	4320	2880	2160
1:50/2%	86	12384	6192	4128	3096
1:20/5%	140	20160	10080	6720	5040

### Storage Capacity of channel to underside of lid for attenuation

Channel Size	Capacity l/m
150	51

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.