

Cleaning HydroCon Pipes

The exfiltration performance of HydroCon pipes can be maintained by conventional industrial cleaning methods. Cleaning restores permeability of the pipes to near new condition.

HydroCon pipe systems have a distinct advantage over other WSUD stormwater treatment systems in that stormwater pollutants are captured within the pipes and removed in situ without the need to replace the entire system. The frequency of cleaning can be reduced by installing upstream, and regularly maintaining, an appropriate gross pollutant trap (GPT) to minimise accumulation of sediment and debris within the HydroCon pipes and associated inlet pit or pits.

Internal surface of the pipes should be inspected regularly for build up of sediment on the base and walls of the pipes. The extent of any build up should be apparent from examination of first couple of pipes from each inlet pit, as well as the pit itself. Excessive accumulation of material on the walls of the pipes will reduce the rate of exfiltration.

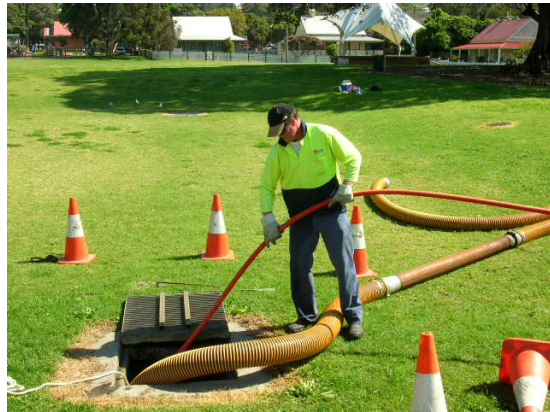
Cleaning can be carried out with high pressure hosing and duction equipment. The hose should be fitted with a special nozzle operating at 2,000 psi. Nozzle holes are angled to prevent sediment being forced into the walls of the pipes.



The hose is inserted into the pipes from an inlet pit.



The angle of the nozzle and applied water pressure enables the hose to work itself up the length of the pipeline and flush material back towards the inlet pit.



Sediment and cleaning water is removed from the pit by suction.



As part of the cleaning service, extracted material will normally be taken by tanker to an appropriate waste processing facility.

