

Cleaning HydroCon Pipes

The performance of HydroCon pipes can be maintained by conventional industrial cleaning methods. HydroCon pipe systems have a distinct advantage over other stormwater treatment systems in that stormwater pollutants are contained and can be removed in situ without having 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 (as shown in Photos 1 & 2) will reduce the rate of exfiltration.



Photo 1



Photo 2

Cleaning can be carried out with standard suction and high pressure hosing equipment fitted with a special nozzle (Photo 4) operating at 12,000 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 (Photo 3). 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 (Photo 5). As part of the cleaning service, extracted material will normally be taken by tanker to an appropriate waste processing facility.



Photo 3



Photo 4



Photo 5

Photographs show cleaning of HydroCon pipes at Hindmarsh Park, Kiama NSW in September 2006 by Collex Industrial Cleaning - Veolia Environmental Services T: 132 955. Contact HydroCon for further cleaning details and relevant Veolia operating divisions in the various States and Territories.