



## EnvissSentinel™ Pits

EnvissSentinel™ Pits treat surface water from residential, commercial and industrial areas. Water filtered in the three stage treatment train can be discharged to waterways, reinjected into an aquifer or harvested for reuse.

Provides precinct and citywide protection of drainage systems and waterways. Developed, tested and verified by Monash University's Engineering Department.

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**enviss**™  
Envirostream Solutions Pty Ltd

# EnvissSentinel™ Pit Case Studies

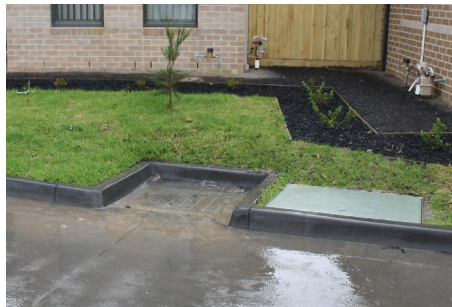
## Car Service Centre and Fuel Station

A car service centre developer was required to install surface water treatment devices at all their new projects to meet building requirements. The local government authority specified EnvissSentinel™ pits to be incorporated into the design. The pits capture sediment, nitrogen, phosphorus, heavy metals and oils from the hardstand. This protects downstream waterways from urban pollution.



## High Density Unit Development

EnvissSentinel™ pits were used in this residential development in Langwarrin, Melbourne to treat the runoff from the common roads. Medium duty pits were placed behind the kerb and the surface graded towards the pit. Excess flows are handled by a standard grated pit further downstream. Using enviss™ pits allows the development to meet the required water quality targets while minimising the required area.



## Shopping Mall

The Wantirna Mall shopping centre car park was recently reconstructed by Knox City Council. The design of the new car park included WSUD design to meet best practice targets for water quality. EnvissSentinel™ pits were used in a number of locations where other treatment measures could not be used.

The layout of the pits allows some ponding of water over the pits as well as the capture of gross pollutants at the surface. Excess water continues down the kerb to the existing side entry pit. Heavy duty grates were installed to withstand road traffic.

