

CASE STUDY

HUMEGARD[®] HG50 INSTALLATION

WENTWORTH POINT, NSW

STORMWATER SOLUTION WITH
CUSTOM IN-SITU BASE



ISSUED BY HUMES



National Sales

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Key Challenges of Installing a GPT Near Riverbanks

Project Background

Located near the banks of the Parramatta River in Sydney, this project involved the installation of a HumeGard®HG50 stormwater treatment device. The unit was specified in the design drawings and selected for its practical, precast form which offered a faster, simpler installation compared to more complex GPT (gross pollutant trap) systems. Humes was engaged as the precaster, having an ongoing relationship with the contractor and being the specified supplier.

Challenges and Solutions

The original installation site presented significant difficulties due to persistent groundwater seepage. Due to the challenging and poor foundation conditions, the contractor needed to move the install site of the GPT a few meters to a stable location. The HumeGard's® modular design can allow for onsite changes; therefore, the move to the new location was simple and was achieved with zero changes to the device. Humes' in-house design team is always on hand to assist with your challenging sites.

Manufacture and Installation

The HumeGard®HG50 was manufactured from our Blacktown site using state of the art moulds. These adjustable moulds allow for all of your design challenges, including depth of the device and penetrations that can accommodate pipes or box culverts. After the preparation work was completed at the new site, the installation of the HG50 took just 3.5 hours. Although the site challenges caused a one-week project delay, the final install was efficient and the client was satisfied with the outcome.

Innovation and Outcome

Humes continues to develop our range of GPTs (gross pollutant traps), including our primary treatment device (HumeGard®) and secondary device (HumeCeptor®), and the HumeFilter®Universal Pollutant Trap (UPT). All three provide effective solutions for treating polluted stormwater before it enters our waterways.



PROJECT INFORMATION



PROJECT

HumeGard® HG50 Installation
Wentworth Point, NSW



CIVIL ENGINEER

Northrop



CIVIL CONTRACTOR

Chalouhi



PRODUCT SUPPLIED

1 x HumeGard® HG50

