



Welcome to another edition of *Hudson Civil News*.

This edition looks at the flood of major projects using the fantastic MASSBLOC system, Launceston City Council flood protection works, some great new products, and also a major multi-cell box culvert project undertaken with Sorell Council.

LANDSLIP REPAIR USING MASSBLOC

HUDSON CIVIL supplied JOHN WILLIAMS CONTRACTING with more than 150 MASSBLOCs to repair a slip in Holwell, Northern Tasmania.

Designed by JMG Consulting Engineers, the West Tamar Council project was successfully carried out by the contractor in record time. As the photos show, this work in steep terrain in a remote location was ideally suited to the use of the MASSBLOC system, where safety, minimal cost and speed of installation were all paramount.

For more information on MASSBLOC please contact Hudson Civil staff – info@hudsoncivil.com.au.



MassBloc[®]
Retaining Wall



HOLWELL MASSBLOC WALL

GEOGRIDS, GEOFABRICS, GABIONS & MORE

Hudson Civil are recognized industry-wide as an outstanding supplier of Geosynthetics products to the Tasmanian Industry, using renowned supplier Southern Geosynthetics (SGS).

As well as the supply of general non-woven geofabrics meeting DIER specifications, Hudson Civil has also been providing high-quality geogrids, including the HUESKER FORNIT 30-30 product.

HUESKER is a leading manufacturer of high performance geogrids, which are used in a range of soil reinforcement applications, and is great value for money.

In addition, Hudson Civil also supply various options for gabions and a range of other specialist Geosynthetic products.

Please contact us to discuss any aspects of our geotextile range and how it may help you on your next design or installation.



AWIS - Product of the month

NO SMOKING SIGNS – PREFORM THERMOPLASTIC

Hudson Civil, together with AWIS, has delivered on a project for Launceston City Council to provide custom-made pavement signage for the new non-smoking areas in Launceston.

The preform elements are cost effective against traditional signage and posts, etc., and are quick and simple to install.

With a lifespan of approximately seven (7) years, the preform elements are an ideal solution to the problems faced by municipal authorities and others in this area.



Water & Irrigation Solutions Pty Ltd



LCC FLOOD PROTECTION WORKS

Hudson Civil supplied Shaw Contracting with various products on the Launceston City Council Flood Gate works at Forster, Taroon and Lindsay Streets. These flood gates are an integral part of the flood protection system and were closed during an anticipated moderate flood event in March.

As well as providing an alternative design for the major pit, using a custom HCP 2400 diameter shaft with block-outs for pipework ensuring easy installation, Hudson Civil was also responsible for manufacture of various other precast elements, concrete panels, and supply of the major pipe and fittings sections, including the large custom-made DN1000 HDPE and MSCL pipework below.





SORELL COUNCIL – ROSENDALE ROAD

HUDSON CIVIL has supplied **SORELL COUNCIL** with Box Culvert units, precast base slabs and wingwalls for the replacement of a bridge across a flood opening on Rosendale Road, Sorell.

With some innovation from Council staff, they recognized that the replacement of the structure with a series of box culvert units allowed significant time and cost savings for their project whilst allowing a similar hydraulic capacity.

The resulting structure was installed successfully during April, despite the best efforts of some severe wet weather events during construction!

Wayne, Ross and the crew at Sorell Council should be congratulated for their work on this project in coordinating project planning and installation on site.





FORMBY ROAD MASSBLOC

Hudson Civil has been supplying SHAW CONTRACTING with the MASSBLOC retaining wall system as part of a solution to various design issues at the FORMBY ROAD REDEVELOPMENT works in Devonport.

As well as a major road upgrade, the project involved constructing a vital walkway linking East and West Devonport in the narrow gap between the existing road and the railway lines, which were at different levels. To resolve this problem, designers originally considered an elevated walkway using a structure with steel supports and beams, with concrete decking slabs on top.

Shaw Contracting Staff, along with Hudson Civil and designers GHD, worked to create an alternative design which involved a MASSBLOC retaining wall and construction of a regular footpath on top

The project was highly successful, resulting in significant time savings during installation, which also meant a safer project due to the busy traffic environment of the work site. **More than 1,100 blocks were used on the project.**

Thanks to Nick Broomhall and staff of Shaw Contracting/CBB for their assistance on this project.

MassBloc®
Retaining Wall



BEFORE & AFTER



June 2010



May 2011

