Edition 19

HUDSON CIVIL PRODUCTS

# News

## AVK Valves & HDPE-Friendly DICL Fittings

*The only City-west Water approved mechanically restrained coupling/flange adapters on the market*

**Hudson Civil** supplies quality valves from **AVK** on many of our projects, available through **Crevet Pipelines**.

An innovative new range of fittings for HDPE pipes is now available, using pre-attached poly pipe, as well as mechanical coupling options, for attachment to PE pipe systems.

**AVK** are the quality valve supplier of choice for many water authorities in Tasmania, with their products being accredited through the City West Water Approved Products List.

**TASMANIAN AUTHORITIES REQUIRE CITY-WEST WATER APPROVED PRODUCTS TO BE USED ON ALL PROJECTS. AVK has the only City-west Water approved mechanically restrained coupling/ flange adapters on the market for use with polyethylene pipe systems for water supply.**

Unlike some other manufacturers, AVK Valves meet the full definition for Australian Standards on coating thickness – which is twice the thickness of the European Standard. This ensures longevity and years of trouble-free service from AVK valves.

For further information and a full overview of the range, visit [www.iplex.com.au](http://www.iplex.com.au) or [www.avkvalves.com.au](http://www.avkvalves.com.au)

*AVK PE range –Weldable AS2638.2 gate valves*

## P.E. PIPE COMPATIBLE VALVES

The AVK Series **36/81** valve offers the following features and benefits over a standard flanged valve assembly:

- Eliminates the need for stub flanges, gaskets, bolts, nuts and washers
- The valve comes preassembled so no further assembly is required, reducing on site labour costs
- AVK Series 36/81 is pressure tested prior to despatch from factory
- As there are no flanges or fixings there is no wrapping with Denso required
- In the unlikely event of a electrofusion coupling joint failure, the longer poly tails permits additional attempts
- AVK Series 36/81 are available with PE tails to suit diameters of 75mm to 315mm
- Because all internal components are accessible and replaceable via the bonnet assembly, the need to totally remove valve from the line is eliminated

**AVK Series 36/81**
Poly Tailed Valve for electrofusion or butt weld joining

**AVK Series 01/71**
The Supa Plus valve range should be considered when butt or fusion welding are not available or practical and is supported by couplings and flange adaptors all featuring tensile load capabilities. The products are available in PE pipe sizes 80mm to 315mm. All valves in the Supa Plus range meet the high international standards set by AVK resilient seated gate valves.

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## West Tamar Hwy DIER Project – AWC

**Hudson Civil** worked with **Andrew Walter Constructions** to provide the total suite of products needed to complete the recent West Tamar Highway upgrade works at the Flowery Gully Intersection/Salisbury Creek site, just South of Beaconsfield.

As well as providing **AWC** with a major dual-cell box culvert structure for Salisbury Creek itself, including crown units and custom made wing wall elements; **Hudson Civil** also supplied all of the geotextile needs on the project along with a multitude of various pits, pipes and headwalls.

A later addition in the project of a MASSBLOC™ wall saved the Principal time & money on the job, allowing speedy installation and minimum disruption to the travelling public.

The use of precast concrete products was again commended by all involved, ensuring maximum construction efficiency, cost savings, & safety benefits for **AWC** workers & the public.

**HUDSON CIVIL - TASMANIAN PRECAST SPECIALISTS**

**info@hudsoncivil.com.au**

*Thanks to Stewart Geeves, Geoff McKenna, Wayne Flett, Dennis Lockhart & Brendan Moore for their assistance with this project*

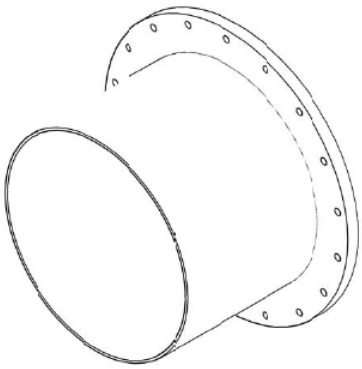
## GRADCO / LFA TAMAR RIVER FLOOD LEVEE WORKS

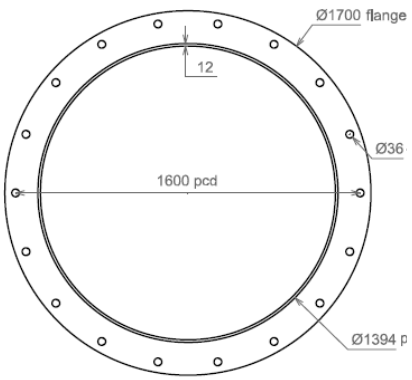
**Hudson Civil** supplied civil contractor **Gradco** with custom fabricated pipe elements on their recent project with the **Launceston Flood Authority.**

The project involved retrofitting several large bore rigid steel pipes through the upgraded levees to match existing concrete pipes already in the ground. Due to potential for corrosion, specialist coatings were required to protect the steel pipe internally and externally.

**Hudson Civil** coordinated custom fabrication (inc. shop drawings), plus custom coating applications to meet strict specifications, and worked closely with **Gradco** staff to successfully deliver on the project.


*Thanks to Richard Young and staff at Gradco for assistance with this project*





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AUSTRALIAN Water & Irrigation Solutions Pty Ltd

## AWIS - Product of the month

### LUMINOUS STAIR TREADS – SAFETY FIRST!

Hudson Civil has provided glow-in-the-dark stair treads to Launceston City Council in order to enhance safety for pedestrians in a poorly-lit area. Further projects are currently being investigated after the success of this initial trial.

BEFORE TREADS

GLOWING TREADS

+GF+ GEORG FISCHER PIPING SYSTEMS

## It's in the cleaning and the priming

SOLVENT JOINTING FOR PVC PIPE BY GF / IPLEX PIPELINES +GF+

In a world where time is of the essence, cleaning and priming thoroughly is often overlooked. It's also overlooked because of the simplicity and ease of the jointing process.

Yet, many premature failures with solvent jointing are due to dirt contamination within the joint and/or not priming the jointing surfaces with solvent cleaner.

Solvent cement jointing is commonly used for plastics including UPVC and CPVC, also ABS and Nylon.

In the case of pressure pipe applications, pipe cleaning and correctly priming the surface with solvent is paramount. Thermoplastic pipes are compounded with additives to ensure that when extruded, they will form a surface gloss to maintain the aesthetics of the piping system. Typically, these additives include waxed based materials. The pipes are also marked in ink for identification and to provide traceability to the manufacturer.

The surface gloss and ink markings are a source of contamination that needs to be removed in preparation for solvent cement jointing, otherwise the joint strength can be compromised.

During the pipe priming and cleaning stage, technicians should use a solvent cleaner and apply it over the joint area with a clean, lint free fabric or tissue. The solvent penetrates into the surface of the material to ensure a residual amount is present over the duration of the curing time when the joint develops its strength.

The correct application of solvent or priming fluid will remove the surface gloss leaving a dull and soft finish. After cleaning the joint area, technicians should be careful not to touch or contaminate it with any foreign matter.

So, if you are tasked with having to implement or oversee a joint, please ensure the surface is cleaned and primed correctly, otherwise the strength of the joint and the performance of the piping system are compromised.

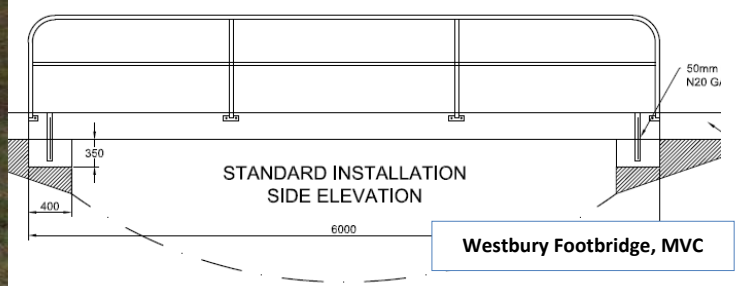
www.georgfischer.com.au

## HUDSON CIVIL FOOTBRIDGES

Hudson Civil has recently provided various simple and very cost-effective footbridge solutions to local authorities.
**Meander Valley Council**, **Launceston City Council**, and the **Parks & Wildlife Service** have all recently taken advantage of Hudson Civil's various standard footbridge products, which can also be custom-made to suit any client's requirements.

Maria Island Footbridge, installed by Treloar Transport

Footbridge, installed by Paul Zanetto Contracting




Westbury Footbridge, MVC

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## AWC – The Hutchins School Oval Retaining Wall

**Andrew Walter Constructions (AWC)** recently completed Stage Two of the Hutchins School Oval works, installing several hundred more MASSBLOCs to stabilize and improve an embankment on the site. The original Stage One project involved remediation of some erosion and slip on the embankment area, and following on from these successful early stabilization works, the school was so impressed with the MASSBLOC system and the excellent installation work of **AWC** they requested a second stage to upgrade and improve the entire area, making the new wall a real feature.

The **Andrew Walter Constructions** staff on site were sensitive to the need to preserve the well-prepared sports surfaces and address ground conditions including custom drainage. Extra precautions were taken and special equipment was used to ensure the finished product was something both The Hutchins School and **AWC** could be proud of.



*Thanks to Sam Walter and all the AWC team for their assistance with this project*

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