



# HUDSON

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## CIVIL PRODUCTS

### Hudson Civil News #25

#### Big Infrastructure Tasks – YES WE CAN!

2021 brings new opportunities – reflecting on 2020 we worked through challenges but an overriding theme was that infrastructure spending showed no signs of slowing down – the whole industry is being pushed at present to deliver more and quickly!

One of the most important focuses as an industry is probably to ensure we remain committed to high quality, as well as local investment in skills, training and capability, and that we maintain the highest level of safety performance despite the pressure to move faster. Our focus at **Hudson Civil Products** is always to ask how we can do it better here in Tasmania, what can we source locally, and what can we learn and develop in partnership with industry, to provide the future skills and capability to the state that will be here for the long haul – creating local strengths.

*“Our approach to quality and safe project outcomes in Tasmania is often best guided by those with local connection to this place – an ability to ensure that who we develop along the way and the learnings we can have for Tasmanian industry that has the greatest benefit to our local community, with an eye to investing in the future of Tasmanian capability and experience.”*

**Our advice for 2021 is GO LOCAL - GO WELL!**



#### Precast Concrete Water Tanks

HCP make precast water tanks with 22,000L capacity. These come pre-plumbed with some standard fittings installed, and are complete concrete shafts with an integral base and a lid slab on top (including access hatch and i.o./strainer void).

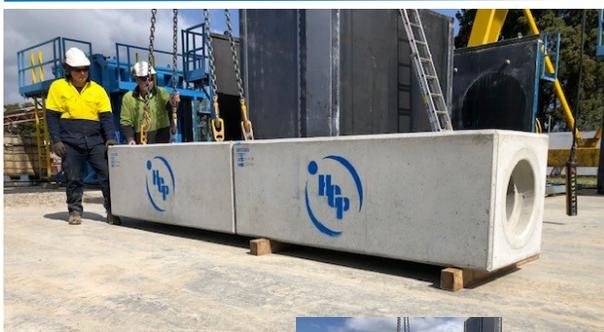
Compared to a plastic water tank they can be more expensive up front, but they are a premium product that is fire and vandal resistant, and water is said to taste cooler and cleaner from a concrete structure.

For this reason concrete tanks have been popular with authorities like Councils and Parks & Wildlife (you will see them around Great Lake and Greens Beach for example) to be used for remote fire-fighting tanks or water tanks at tourist/picnic facilities.

Particularly for savvy customers with an understanding of the plastic tank limitations, it's often worth the extra for a quality product that provides more peace of mind than the cheap poly option.

For reference an original tank from this same mould cast over thirty years ago we saw last year was in outstanding condition, and was matched with a brand new HCP concrete tank installed to double capacity – the client knew they wanted a premium product which would go the distance. Some bushfire management plans for new dwellings might require particular tank options that are fire resistant as well – worth considering as part of future risk mitigation.

**Get ready to go the distance – go an HCP Precast Concrete Tank!**



#### EMBEDDED CONCRETE PIPE

In another new initiative involving the forward-thinking team at Burnie City Council, HCP have developed an **EMBEDDED CONCRETE PIPE** for use in high load / low cover applications in lieu of concrete encasement.

Burnie Council had a site where limited cover meant they needed a very strong concrete pipe, and the precast option by HCP, with a design certified for the huge 300LA rail loadings, proved ideal.

The **EMBEDDED PIPE** is also perfect for low cover road crossings and driveways, in lieu of time consuming and costly concrete encasement options, and as surface drains.



#### ULTRA Aluminium Lightweight Access Covers

The HCP-HB ULTRA range of lightweight access covers are perfect where OH&S or regular access need an easily opened, lighter option. For TasWater & many other sites these options provide strong, durable anti-slip access covers, locally made as single small covers right through to custom-made multi-part applications – the next generation in access covers!



Hudson Civil Products is proud to have provided precast products and support for a project that will improve the safety of road users on level crossings in Tasmania. The innovative **Edilon-Sidra Embedded Rail System**, a precast concrete crossing system used internationally, is now available in Tasmania thanks to a collaborative development process between **TasRail** and **Edilon-Sidra**. The special units provided will enhance longevity and durability of key crossing sites across the State.

Installed by Tasmanian contractor **GRADCO**, these units were built and assembled in the **HCP** facility with collaboration from all parties to ensure the site works were undertaken without a hitch and in minimum time. A key driver for rail installations is speed and efficiency to limit shut down time on the line, and precast products from **Hudson Civil Products** deliver on this every time!

A job well done by all of the parties involved in this first installation in Tasmania - look out for more of these projects over coming months.

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## Welcome to the Family – EYE SPY SIGNS!

It was with great pleasure that the Hudson Group acquired another fantastic Tasmanian business in *Eye Spy Signs* during the early weeks of 2021.

This business complements what we do here at HCP in many ways - working in a manufacturing and sales sphere similarly but in a slightly different sector, and with a strong Tasmanian focus – working on doing things well, doing them right, and investing in innovation and new equipment to ensure we can make things better and more efficiently.

For more information about this new acquisition, and our plans for the future, please talk to our staff around how we can assist on your next project. Some additional information about the business can also be found on their website here:

<https://www.eyespysigns.com.au/>



# EYE SPY®



## HCP TEKSAM– A GAMECHANGER NEW PROCESS - SAME PRODUCTS – JUST FASTER

HCP has invested further in new production processes to provide further depth to our product range and supply chain. The **TEKSAM** is our latest acquisition, with our graduate engineer Will and commissioning specialist Paul having been working overtime to introduce this new piece of equipment to our factory floor, complementing our existing manufacturing capability. Similar to our concrete pipe machine (RVP) the **TEKSAM** is a dry-cast machine that allows us to produce many of our smaller range of products using the faster and more efficient dry-cast method – feel free to visit us and have a look at it in operation!

HCP are fortunate to have the ability to scour the globe for equipment and new processes that best complement the Tasmanian market and our capability, in order to meet the needs of our clients and enhance industry capacity to deliver– especially important as we see continual growth in use of precast concrete products and shorter lead times from end-clients.

This ability to make our same great products faster, as well as providing enhanced capacity to develop and manufacture new products, see HCP well positioned to further serve our clients' needs well into the future. We also look forward to the opportunity to consider supplying more of our products to the big island via export, as we know that the quality that HCP products can achieve would be highly sought after from our travels to locations elsewhere. **Onwards and upwards with HCP!**





## Custom Valves & Fittings – get it right the first time with HCP!

Hudson Civil Products are the leading supplier of civil plumbing supplies in Tasmania - for projects where getting it right is vital, customers turn to HCP to provide the service, experience and knowledge to ensure that critical valves and fittings are right the first time, every time, and on time.

HCP are the pre-eminent supplier & procurement manager for clients state-wide for all things TasWater and Tasmanian Irrigation where knowledge, advice and experience count – like critical valve works.

Control valves, large bore gate valves, butterfly valves, complete valve trains and assemblies (including pre-fitting, testing and set up if needed), plus accessories like security cages, frost proof enclosures, and property connection precast items are our specialties.



## Project File: Rifle Range Road Bridge Structure

HCP recently worked with **Brighton Council** to complete the replacement of a failed multi-span timber bridge, using the innovative **UNICULVERT** system to create a new modular structure.

*This new bridge structure was able to accommodate full highway loads (SM1600) and provide a 100 year plus design life solution, whilst allowing efficient and flexible installation on the site in record time.*

*The use of high-precision UNICULVERT precast units enabled faster and simpler installation by the Council's own internal workforce - Brighton Council have a history of pursuing clever bespoke solutions that can add to their workforce capability – building on the Council team's already impressive internal skills to deliver value and efficiency for Council projects with smarter solutions.*



A great result – with **MASSBLOC™** providing additional flexibility for wingwalls & scour protection on site