



Welcome to another edition of *Hudson Civil News*.

This edition we focus on some of Hudson Civil's core capabilities in **Pump Stations, Box Culverts and Stormwater Detention**.

Edition 12

Valves and Fittings

With our full trade plumbing store, Hudson Civil supply all the fittings, pipe and valves required.



ABOUT PUMP STATIONS

Hudson Civil is the leading supplier of pump well shafts and pump station components in Tasmania

PUMP STATION HISTORY....

HCP has supplied pump wells and components for more than 110 pumping stations across Tasmania, particularly for wastewater and potable water, and most recently to all the major TIS irrigation projects.

HCP pump stations are DESIGNED AS PUMP STATION SHAFTS – not simply a pipe placed vertically.

This means increased wall thickness, full structural designs and importantly increased cover to reinforcement. Epoxy coating can also be applied.

Preliminary Design Services...

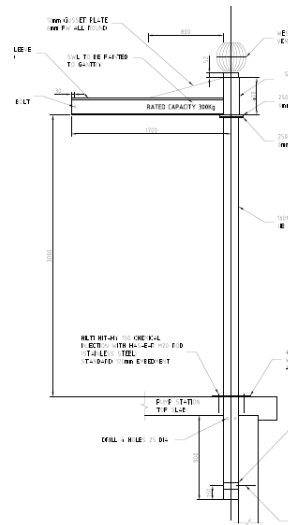
HCP can provide assistance right from the concept and design stage with their extensive experience and knowledge of options and pricing.

HCP has supplied complete pump station solutions for sewerage, water and irrigation pump stations, for Councils, Private Industry and Government projects. **HCP** usually supply not only the concrete pump wells, lids and bases, but also valve pits, pipework, ladders, access covers, vents, gantries, pipes and fittings. Customers have been impressed by the speed and ease of constructability of **Hudson Civil's** Pump wells and components and our attention to detail.



**ADD-A-STEP™
MODULAR
LADDER**

**Add-a-step FRP ladders
SS or Galvanized ladders
Vent Poles and Gantries**



ACCESS COVERS, SAFETY GRATES:

- **Custom Fabricated covers** (*Alum, Galv, Stainless*)
- **FRP (Nextep Miyama)**
- **Terra Firma**
- **And more...**



The HCP Pump Station Family



Sensitive Locations – Huon River HCP PS, where quality of construction is paramount



HCP PUMPING STATIONS IN ACTION

Hudson Civil is the leading supplier of pump well shafts and pump station components in Tasmania

Recent projects include:

- Cradle Valley Pumping Stations (4 off)
- West Tamar Council PS (3 off)
- Huon Valley Council PS (Huonville)
- Ingham Chicken Plant PS
- Rubicon Irrigation Pipeline PS (8m depth)
- Quamby Irrigation Pipeline PS (9m depth)
- Caveside Irrigation Pipeline PS (7m depth)
- William Street Perth (Northern Midlands)
- MVC East Deloraine Overflow Storages
- MVC Deloraine Train Park 6.5m ID PS
- MVC Deloraine Industrial Site PS
- WCC Queenstown Water supply PS
- NMC Longford WWTP Sludge PS
- Launceston City Council (Bill Grove PS)
- JMC developments PS (2 off)
- BODC Scamander Sewerage Scheme (5 off)
- WTC Beauty Point PS upgrades (3 off)
- GMSBC Bicheno Water Supply Dam PS
- BODC St Helens Annie St PS

Our PS shafts are also in demand for overflow wells, shafts and storage tanks:

- Rio Tinto Alcan (Oil Storage) (3 off)
- East Deloraine Overflow Storages
- Cradle Mountain Overflow Storages (6 off)
- Huon Valley Council PS Overflow storages
- Scotch Oakburn College Storage tanks (2 off)
- Oil storage tanks Hydro/Transend statewide
- Meander Valley Council overflow storages

HCP TANK RANGE:

Internal Diameter (mm)	Shaft height (mm) *	Wall Thickness (mm)
1800	2400	100
2400	2400	125
3000	1500 & 3000	175
4000	2400	150
6500**	1200	250

*Risers are available in any height up to full shaft heights shown, and can be stacked, however risers shorter than "full height" will not have a rebate on the top section

** 6500 ID is a two-part (segmental) construction



Beauty Point PS – Chris Temby, ready for in-situ pour of roof slab



Rebated shafts, for stacking



THE TASMANIAN PUMPSTATION SPECIALISTS



6.5m ID PS sunk as caisson



4m ID overflow storages



Caveside 4.0m ID shafts, 7m deep

BOX CULVERTS – HCP the Market Leader!

Hudson Civil supplies the highest quality Box Culverts (RCBC) to the Tasmanian construction market, at the best prices.

Off the shelf models & custom designed we supply RCBC units, along with link or base slabs as required, in sizes right up to 3600x3600 (internal span x internal leg height).

Major 2008-2009 RCBC projects by HCP include:

- Glenorchy City Council 3600x1800 RCBC & base slabs
- Latrobe WW Storage tank RCBC 3600x2400 RCBC
- MVC Osmaston Rd Dual RCBC & Bases 3000x2000
- Waratah-Wynyard Blackfish Ck RCBC & Bases 3600x1500
- ABM Mine Site RCBC 3600x3600
- TEMCO Blast Furnace False Floor (range up to 3300x2000)

Visit www.hudsoncivil.com.au for more information



Osmaston Dual RCBC & Bases - MVC



GCC RCBC & Bases – Bunnings Car Park, 36 units, 3600x1800



Blackfish Ck RCBC



HCP Box Culverts are the REAL DEAL in RCBC – loadings in accordance with SM1600 (Bridge Code) and beyond.



Latrobe SPS Overflow Tank - Triple RCBC (link slab) – Vos Constructions



Stock Underpass RCBC

HUDSON ENVIRONMENTAL

STORMWATER DETENTION

Increasingly many developments are required to have some form of provision for stormwater detention to prevent overloading of existing downstream stormwater systems – many of which are at, or beyond, capacity.

Hudson Civil Products have a range of detention/retention options which can assist with this problem, from our on-site 2000L detention tanks (pictured), right through to custom-made solutions using the fantastic RAINBOX products (fully modular system), PVC liners & assorted geotextile products.

For assistance with System design, sizing, or just discussion on various options and installation advice, please contact **Roxley Saunders, Environmental Products Manager** on **0407 246 195**.



Retention Tank, Ansons Bay, NE Tas

Devonport Detention Tank Installation (Treloar Transport)



250 KL Detention tank, Flushable modules

RAINBOX now available with
FLUSHABLE MODULES
for anti-fouling and ease of cleaning
detention systems.
Also suitable for i.o. and pump/return
pipework.



Pipework & I.O. points



2000 L Detention Tank