



## BYPASS | Dianella Main Sewer Bypass

**CLIENT:**  
**Water Corporation**

**PROJECT:**  
**Dianella Main Sewer Bypass**

**LOCATION:** **Alexander and Morley Drive, Dianella, WA**

To facilitate the unplanned repair of Dianella Main Sewer, Welltech Total Water Management were contracted to manage the flow diversion of sewers whilst repairs were undertaken.

Bypass flow diversion was achieved by 3 fully autonomous bypass systems, sharing a common HDPE temporary pressure main.

Welltech worked together with dewatering contractors to ensure flows from the dewatering system were contained and safely discharged within the bypass system.

The systems were manned 24/7 by Welltech's trained monitoring personnel and the project was completed 100% incident-free.

## SPECIFICATIONS

| PUMPS  | FLOW RATE       | DISTANCE | PIPELINE  | DURATION |
|--|-----------------|----------|---|----------|
| Hidrostal L12K<br>Hidrostal F06K<br>Hidrostal H05K | Up to 790 L/sec | 500m     | 3 HDPE pipelines, into a common DN450 discharge. Welded, tested and installed by Welltech | 22 weeks |

*We will always deliver, on every promise we make, Guaranteed.*

**Zak Haines**  
Technical  
0451 057 567



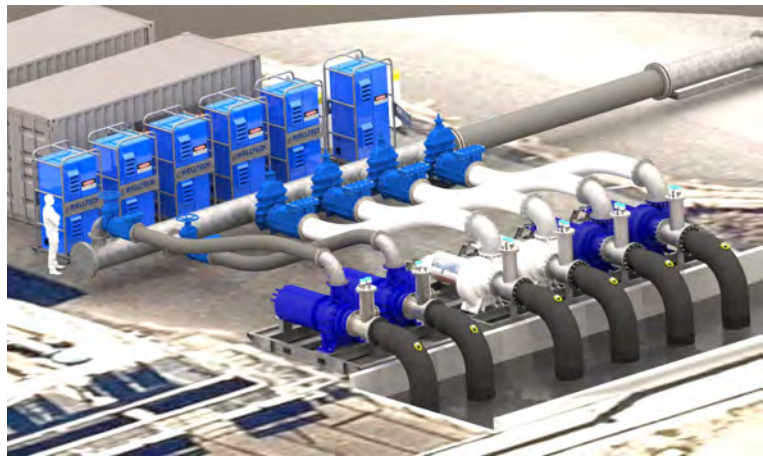


Welltech Total Water Management are Australia's leading specialist in Bypass Operations. When your next bypass project demands an innovative solution, offering the best equipment and a dedicated team, Welltech has you covered.

# Bypass Operations

## Why Welltech?

- Our Bypass Division specialises in the successful pumping and bypassing of sewer and wastewater across the nation and internationally, incident-free;
- Large-scale operator with the capacity to manage flow rates in excess of 14,000L/sec.;
- We ensure each project component is considered, planned and executed using the most advanced equipment and practices;
- Our in-house fabrication facility has the capacity to make and modify pipe and spool work to enable fast turn around, ensuring a one stop interface with existing assets, any time of day or night;
- We take full ownership of projects, including temporary works engineering and construction of temporary pressure mains up to DN900 HDPE;
- Our in-house Water Supply Division has a vast inventory of pumps, control equipment, pipelines and process instrumentation;
- We are the exclusive national distributor for Lampe® Sewer Sealing Cushions;
- Our highly skilled, fast deploy teams are available to mobilise our in-house fleet at a moment's notice;
- You can be assured we will deliver as promised and you will be supported by Welltech's guarantee of *Commitment = Satisfaction*.



[Click here to view our Bypass Operations Gallery](#)



We are proud to be aligned with and recommend:



ENGINEERING  
TOMORROW



SIEMENS

## Bypass Project Process:



**Commitment = Satisfaction**

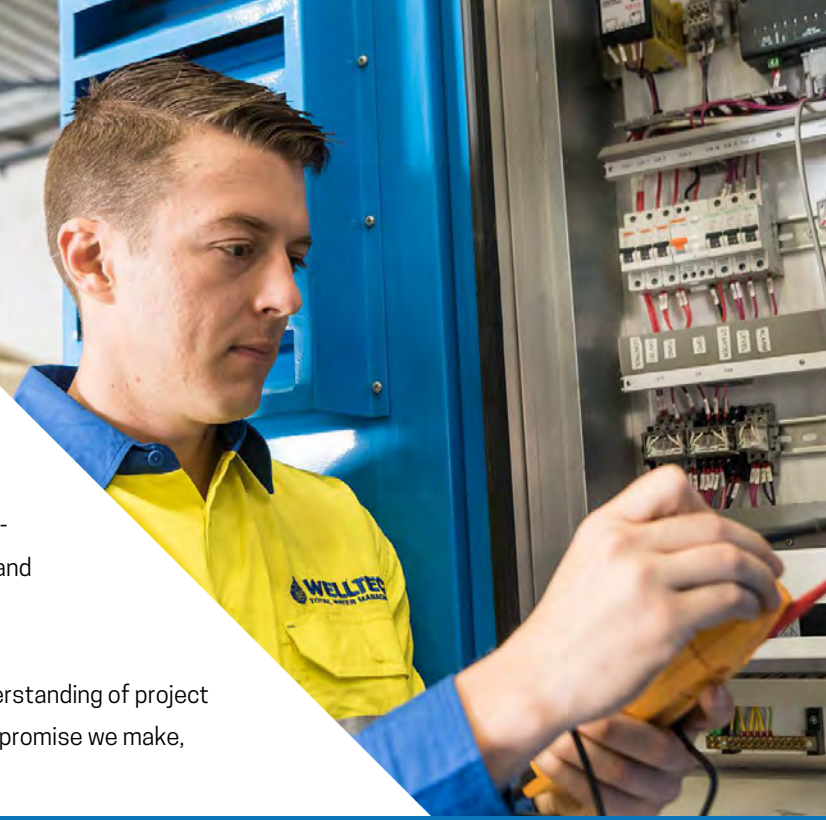


### Zak Haines

Zak's highly technical background in electrical instrumentation and mechanical, coupled with his expert project management skills ensures you are in safe hands. He has a hard earned, decorated history, of successful sewer bypass projects.

Zak is also responsible for the development of Welltech's innovative Hypro app. Welltech Hypro is a free app, giving users access to a real-time pipe friction calculation, critical engineering information tables and an interactive unit converter.

Zak's thorough knowledge of sewer bypass operations and true understanding of project deadlines gives clients the confidence Welltech will deliver on every promise we make, guaranteed!



*"If you can't find a solution elsewhere, you will find it here – guaranteed".*

*From an ambitious dream to reality.*

*"The installation of the temporary stopboard gate 1 was successful and was a tribute to the planning and hard work from all those involved. Thanks to Zak H and the Welltech crew for assisting in proactive and precise planning."*

**Matt Smith Fulton Hogan Engineer, Luggage Point QLD**



Download the Welltech HyPro™ Hydraulic Pipe Friction App.  
Available free for Apple and Android devices.



### CONTACT US ANY TIME

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**Commitment = Satisfaction**



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