

## GOULBURN VALLEY WATER SEWERAGE PUMP STATION GUIDELINES

### 1.0 INTRODUCTION

This document provides the guidelines for the design, construction and commissioning of sewerage pump stations for Goulburn Valley Water. These guidelines are to be read in conjunction with the GVW Sewerage Pump Station Design Manual, which is attached.

### 2.0 STANDARD FEATURES

The standard features required in GVW Sewerage pump Stations are:

- The minimum internal diameter of the pump well is to be 2.0m;
- All pumps are to be submersible centrifugal type pump with a minimum 75mm throughput. A 50mm throughput requires prior approval from the Authority. Grinder pumps will not be accepted;
- Sewerage pump stations and rising mains are not permitted to be constructed in private property;
- 24 hour all weather access is to be provided to the pump station. This is to cater for truck access to the well for the future maintenance on the pumps, switchboard, well, etc;
- All pump stations are to be fitted with a 32mm pressure reducing valve for backflow prevention;
- The pump station is to have bollards erected around the perimeter of the pump station slab to prevent vehicles driving onto the slab;
- All pump stations are to be fitted with a permanent handrail system around the opening to the pumps. The handrails system is to include two removable sections to enable access to the pump well, as required;
- The station shall be provided with a mesh cover under the normal aluminium cover. The mesh spacing shall be approximately 100mm x 100mm and will allow for inspection and washing down of the pump station when the mesh cover is in place. The mesh cover must be easily removed by a single person to allow removal of pumps or access to the pump station by an operator. The mesh cover must be designed to support the weight of a single person, and not corrode or reduce in strength over time in the prevailing atmosphere;
- A magnetic flowmeter is to be installed on the discharge from all industrial and large catchment sewerage pump stations; and
- All pump stations are to be connected to the SCADA system to enable remote control and monitoring of the pump station operation.

### 3.0 PROCESS

Attached is a flow chart presenting the process for the design, construction and commissioning of the pump station.

### 4.0 CONTACTS

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