TECHNICAL BULLETIN
002

Subject: Fire Hydrant Standard

Status: Final issue

Areas Affected: EGW Water Reticulation Networks

Effective from: March 2009

Issued to: EGW Depots; EGW Technical Staff; EGW approved sewer & water construction contractors; EGW approved engineering consultants; EGW Web Site

Description:

Action

East Gippsland Water Corporation requires all new and replaced fire hydrants located on EGW's water reticulation networks to be valved to allow isolation from the network for maintenance.

This requirement is effective from March 2009.

Drivers

The main benefits of specifying valved hydrants include:

- *Maintenance* –The hydrant can be isolated from the network for maintenance operations without interrupting water supplies to customers. The hydrant components are standard thus they can easily be replaced;
- *Flow* – The hydrant can cope with a 24L/s flow rate at 500kPa (variable). According to WSA 03-2011-3.1 (2.5.3.3, Table 2.3, page 64) the desirable Maximum Service Pressure for residential or industrial supply is 500kPa.
- *Water Quality* – The hydrant includes integrated backflow prevention.

Support

The following information is provided to support adoption of the action required:

- Various types of valved fire hydrant are available. The preferred type is the Crevet Hydratech 2000, or similar. Please find details on the following website: www.crevet.com.au and refer to page 2. Proposals for alternative make/model need to be referred to EGW for approval prior to procurement/installation.
- The person listed below may also be contacted to provide further assistance and advice.

Contact Person: Mr. Hardy Fandrich **Position:** Asset Development Engineer

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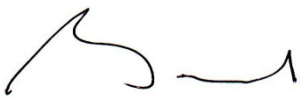
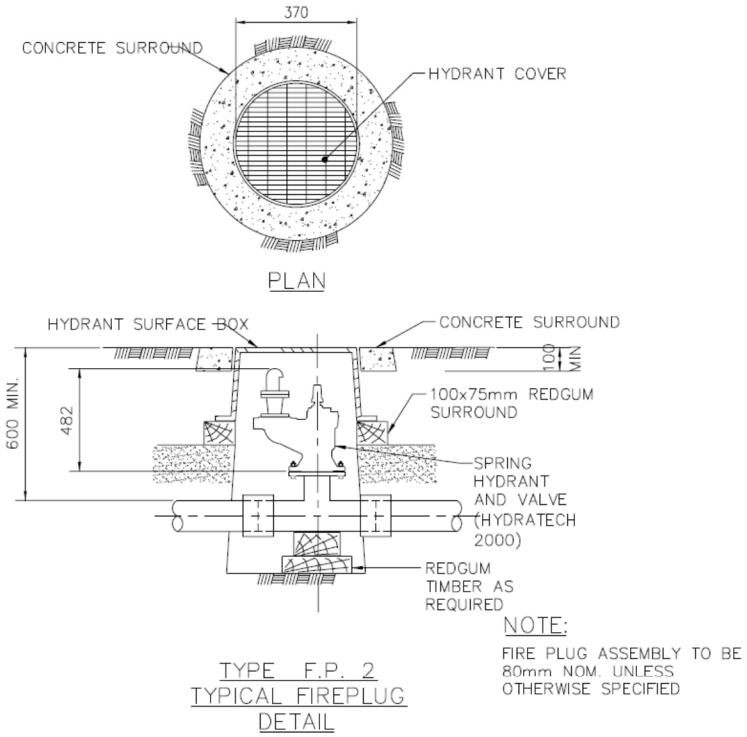
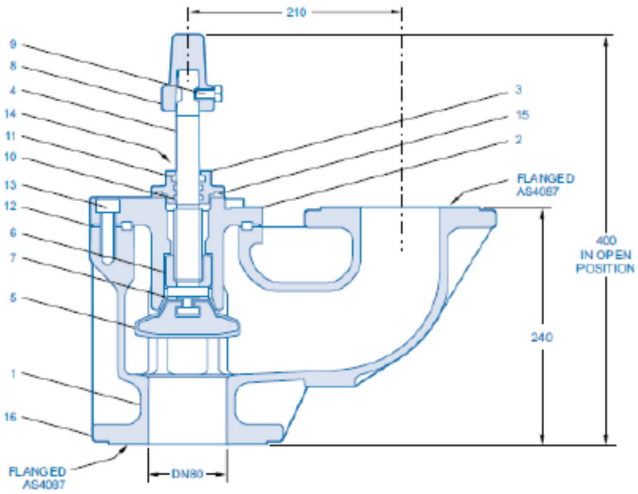
Approved By: Dean Boyd **Position:** Executive Manager Infrastructure

Date: 24th November 2011




370
CONCRETE SURROUND
HYDRANT COVER
PLAN
HYDRANT SURFACE BOX
CONCRETE SURROUND
100 MIN
600 MIN.
482
100x75mm REDGUM SURROUND
SPRING HYDRANT AND VALVE (HYDRATECH 2000)
REDGUM TIMBER AS REQUIRED
NOTE:
FIRE PLUG ASSEMBLY TO BE 80mm NOM. UNLESS OTHERWISE SPECIFIED
TYPE F.P. 2
TYPICAL FIREPLUG DETAIL

Source: Crevet Hydratech 2000 hydrant control valve



Source: Crevet Australia, March 2009