

Subject: Marker Posts Design and Placement

Status: Final issue

Areas Affected: Gravity Sewer Reticulation Network/Water Reticulation/Main Supply Pipelines

Effective from: 19th of March 2012

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

Description:

Action

To detail East Gippsland Water Corporation's requirements for marker post placement and markings.

- *General requirements including Markings* – See attachment and the following comments:
 - o Fireplug marker posts shall be marked "FP" and have a red painted top and a blue reflector (length:36mm, width:20mm)
 - o Tops of marker posts for assets other than fireplugs to be painted black in lieu of 'Bluebell';
 - o Pipe diameter is only included on main supply pipelines/transfer mains not reticulation mains;
 - o Retro-reflective pavement markers (Cat's eye) are not required by EGW;
 - o 'Optional identifiers' for hydrants are not used;
 - o Kerb markings may be used where marker posts are not practical i.e. CBD area but generally are not specifically required. EGW do have a preference for them to be used;
 - o EGW requires marker posts to be located next to the asset. Distance to main must be included on all posts that are not adjacent to the asset. If access is not possible adjacent to the asset, the post should be located on the building or fence line with an offset marked
 - o EGW wants to minimize the number of marker posts at the same location thus different marker plates can be on the same post if all the assets are close to that post placement.
- *Marker Post Placement* – Marker posts have to be placed at the following required locations:
 - o Reticulation mains – at all stop valves, scour valves, air valves, fireplugs, changes in alignment and other unique fittings specifically required by EGW where practical.
 - o Transfer mains – as above and at every bend and every 500m along the main if practical to do so. Marker Post Placement in township and private properties to be discussed on a case by case basis between developer and EGW operation staff.
 - o Rising Main/Pressure Sewer – as for transfer mains

Sewer marker posts are used for rising mains and pressure sewers. In recent times an additional marker has been placed on valve covers for sewer mains to avoid any confusion with water valves. Location of marker posts is to be to EGW's approval.

- *Post material* – Approved materials are: recycled plastic and powder coated pressed steel.

• Drivers

The main drivers behind this action are:

- *Asset Identification* – Consistent marking will ensure East Gippsland Water's assets are easy to identify.

Support

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

- Refer to the Water Supply Code of Australia and the attachment 1
- The person listed below may also be contacted to provide further assistance and advice.

Contact Person: Miss Sophie Dernaucourt **Position:** Graduate Engineer

PH: (03) 5150 4439

EMAIL: sdernaucourt@egwater.vic.gov.au

Approved By: Dean Boyd

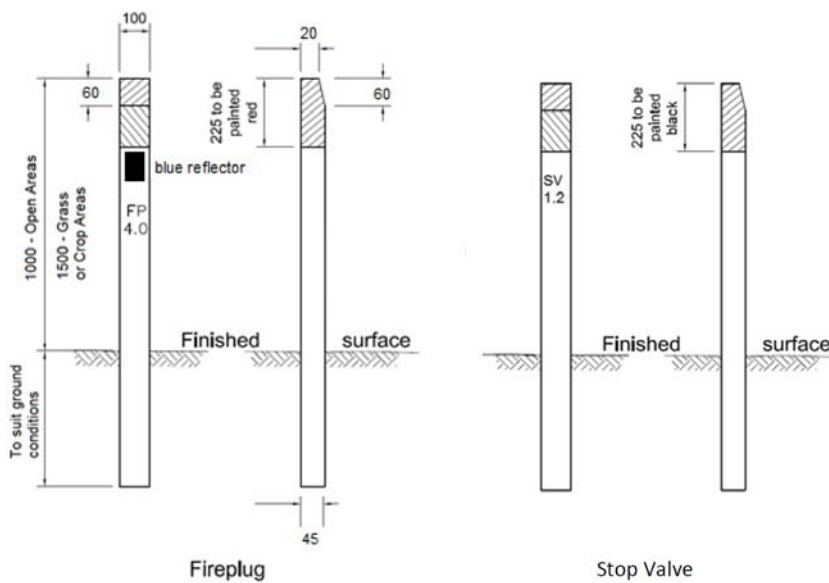
Position: Executive Manager Infrastructure

Date: 22-03-2012



Attachment 1: EGW standard drawing for marker posts

Note: Fireplug and valve marker posts to be made from recycled plastic (Refer to dimensions below) or powder coated steel (length: 1350 mm, width: 100mm). Marker posts must be installed adjacent to stop valves, valves & fireplugs as directed. The offset distance from the post to the relevant valve shall be marked on the post, accurate to the nearest 0.1m. The fireplug marker post should have a blue reflector (length: 36mm, width: 20mm)



Marker Post Marking Legend:

- AV: Air Valve
- SCV: Scour Valve
- SV: Stop Valve
- FP: Fireplug
- BEND
- SEWER
- WM: Water main

Letters 65mm high & 40mm wide stencilled & painted black on white

Numbers 50mm high & 25mm wide stencilled & painted black on white

 <p>133 MacLeod St PO.Box 52 3875 Bairnsdale</p> <p>Ph: 1300 720 700 Fax: 03 5150 4477</p>	STANDARD DRAWING – MARKER POST		APPROVED
	SCALE	Dimensions given in mm	DRAWN BY AECOM
		DATE 31/01/2012	SIGNATURE
			SHEET 1 OF 1
			REFER TO TECHNICAL BULLETIN 003

The list of naming in the Marker Post Legend is not exhaustive. On occasion marker posts are put in for a unique purpose i.e. a gate valve or ferrule location and for this reason EGW depots also have some blank marker posts that can be adapted to any required purpose