

Quick tip:

For informaion on underground assets,
please call Dial Before You Dig on
1100

Workplace Safety

If utilities are being installed under/near natural or artificial waterways, contractors will be required to address the following issues:

- Method of waterway/stream diversion
- Evacuation procedures for people and machinery in the event of heavy rainfall or flooding
- Compliance with Victorian Workcover Authority requirements.

Application Submissions

All utility installation applications should include the following information:

- Property address and location
- Proposed works and specifications
- Alignment/location of works
- Dimensions and clearances
- Method of installation
- Survey plans of the property
- Workplace safety requirements if applicable

Utility installation submissions will attract a standard application fee.

Please note: This does not preclude the need to obtain other relevant approvals and operation of other legislations, eg: SBO, LSIO.

Contacts and Queries

This brochure is a general guide for utility installation only.
Melbourne Water approval must be acquired before any excavation or installation occurs.

Utility installation Near Melbourne Water Assets Guide



Who do I contact?

This brochure is a general guide. Not all structures have been listed in this brochure. Please contact Melbourne Water - Asset Services for further information regarding structure requirements, build-over agreements and conditions. Applications can be posted to:

Postal address:
Asset Services
Melbourne Water Corporation
PO Box 4342 Melbourne Victoria 3001

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ISBN 978-921603-47-1 (web)

Email address:
assetservices@melbournewater.com.au

Web Site:
www.melbournewater.com.au

General Melbourne Water Enquiries 131722

Asset Services Enquiries 9679 6614

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Melbourne Water must give approval before any installation of utilites or excavation occurs.

Utility Installation

This brochure is a general guide when considering utility installations aligned across or parallel to a Melbourne Water asset. Melbourne Water assets include:

- Sewage pipes
- Stormwater/drainage pipes
- Water mains
- Natural and artificial channels

Before any installation or excavation occurs Melbourne Water approval is required. This enables consent to be given for the proposed works while protecting Melbourne Water's continuous rights of access.

Detailed plans and a formal application must be submitted to Melbourne Water for investigation.

Clearance Requirements

All clearances are measured from the exterior surfaces of pipe/channel walls, not centrelines or inner wall surfaces. Vertical clearances for natural streams are measured from the base of the hard invert level. Clearance requirements are set considering method of installation, soil conditions, asset type, size and age.

Please Note

Separate clearance guidelines are followed for property development structures and tree planting near Melbourne Water assets.

Underground Assets

Open Cut - Involves excavating soil to form a trench, enabling new infrastructure to be laid/ repaired/ removed, and is then backfilled. General Melbourne Water requirements are:

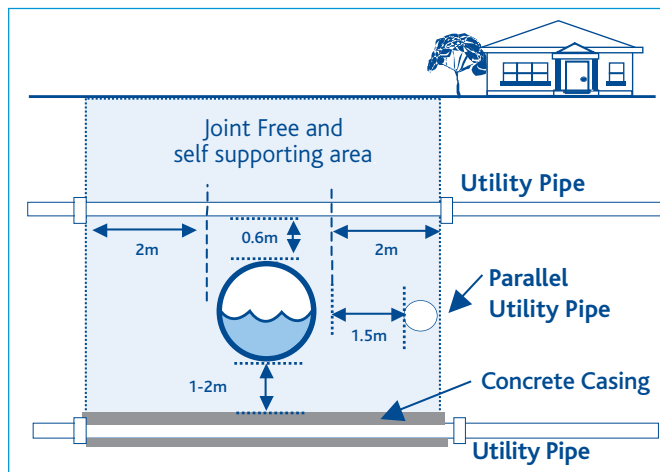
- A **1.0 metre** minimum vertical clearance between the utility and asset
- Concrete cut-offs must be constructed
- Soil compaction to 95% - 98%
- Ground surface to be returned to original condition as per Melbourne Water requirements

Passing over pipes

- Any utility must be self-supporting in the event maintenance is undertaken on the Melbourne Water asset
- Minimum vertical clearance of **0.6 metres** above asset
- No joints to be located within **2.0 metres** of the asset (must be outside the joint free area refer to diagram).

Passing under pipes

- Must be cased in concrete or similar protective material
- Must have a minimum clearance of **1.0m for open cut and 2.0m for boring** installation methods
- No joints to be located within **2.0 metres** of the asset (must be outside the joint free area refer to diagram)



Waterways and Constructed Channels

Boring - Involves a small tunnel being drilled through soil enabling new infrastructure to be laid. General Melbourne Water requirements are:

- For all waterways boring is the preferred method*
- Engineering calculations must be supplied to confirm no soil up thrust/down thrust occurs.
- No settlement is to occur following installation - air pockets are to be avoided.
- Must have a minimum vertical clearance of **2.0 metres**, measured from the hard invert level of the bed of the waterway/channel.
- Manholes/parallel utilities require a horizontal clearance of **5-10 metres** from the bed and bank area for future channel/waterway works or maintenance.
- No joints are permitted under the channel/waterway or within **5.0 metres** from the bed and bank area.
- Developer/Contractor must investigate and ensure legal requirements are met regarding significant flora, fauna and archaeological sites of significance.
- Disturbance to waterways/land/vegetation will be kept to a minimum and the affected areas replanted/reinstated upon completion of the works.

*If boring is not possible the following submissions are required to support any altered proposals:

- Geotechnical Survey
- Environmental Report

