

Protection of South East Water Supply Assets Other Authority Works

The following information is provided as reference for standard conditions for construction works near South East Water's water supply assets.

General conditions

- The design and construction of water supply assets is to be in accordance with the most recent edition of *WSAA Water Supply Code of Australia (MRWA Edition)*
- No additional loading is to be applied to existing water supply assets.
- Only use products and materials approved by South East Water.

Asset location

- The location and depth of water mains are to be proven by hand excavation prior to the commencement of works, particularly when boring across or parallel to an existing water main.
- The contractor should make every attempt to locate water meters to ascertain the position of the property service pipes prior to excavation.
- Any damage resulting from failure to comply with these requirements may result in penalties being imposed as provided for in the current legislation including the *Water Act*. In the event that damage is caused to SEW's assets please contact Faults & Emergencies on 132 812.

NOTE: South East Water should be contacted if assets cannot be located based upon Dial Before You Dig information. Likewise, when additional assets are located which are not shown on plans and are otherwise thought to be water mains, South East Water should be contacted.

Design Considerations

- The minimum final cover over water mains is 450mm (Nature Strips), 600mm (Sealed Roads), 750mm (Major Roads), 1200mm (Freeways).
- The maximum final cover of any water main is to be 1500mm.
- Minimum Vertical and Horizontal clearances are to be in accordance with Table 5.5 of *WSAA Water Supply Code of Australia (MRWA Edition)*.
- Where a road or carriageway is widened and would result in the water services lengths exceeding 30m, a separate water main will need to be laid on the opposite side of the road to service these customers.

Construction

- When constructing new assets or repairing old assets in close proximity to South East Water's water mains, support may be required to stop any unnecessary loading on the water main which may result in the main bursting.

- During construction only 1 pipe joint on the existing water main should be exposed at any time.
- Hand compaction using vibrating plates or pedestrian rollers is required over and within 1000mm of the centreline of water mains and where there is less than 600mm cover.
- Exposure of water mains during construction works, including boxing out, may require the use of stabilised backfill to protect our asset and is to be approved by South East Water.
- Care should be taken when excavating behind a bend, dead end etc., to ensure the thrust restraint is not disturbed.
- No blasting is to be carried out within 10m of a water main.
- Any damage to pipe coating systems, fittings etc is to be reported to and repaired by South East Water.
- Suitable backfill material should be placed around exposed pipes.
- Surface fittings are to be accessible at all times to allow for emergency shut down of the mains and all surface fittings must be adjusted to suit finished surface levels;
- It should be noted that prior to any works and upon completion of your works South East Water may inspect the area to confirm all of our surface fittings are intact and operable.
- Where a bore is to pass under, over or within 1 metre of an existing pipeline, the position of the pipeline shall be proven by excavation. All or part of this excavation shall be by hand as directed by a South East Water representative. The excavation shall be extended to 1.0m from the pipeline on the side from which the bore will approach, and the position and direction of the bore head checked when it reaches this excavation to ensure the required minimum clearance between the bore and the pipeline maintained. In addition, progressive management of the length of the bore shall be made to ensure the bore head has not missed the check excavation and travelled beyond it.

Alterations to South East Water's assets

Where there is a requirement for adjustment of surface fittings, service re-connections, mains lowering and relocations, and minor doglegs, this can be arranged by contacting South East Water's Planned works Technician Brendan Ewert (03) 8788 4041.

All minor alterations to South East Water assets as a result of the proposed works are to be conducted at the project owners cost.

24/7 Emergency Response 132 812

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