

PROTECTION OF SOUTH EAST WATER ASSETS

Other Authority Works

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

SEWERAGE ASSETS

General conditions

- The design & construction of sewerage assets is to be in accordance with *WSAA Sewerage Code of Australia (MRWA Edition)*.
- No additional loading is to be applied to existing sewerage assets.
- Only products & materials approved by South East Water are to be used.
- The minimum clearance required over a sewer main during construction (boxing out) is 450mm.
- Hand compaction only over sewer mains (no vibrating rollers).
- No blasting within 10m of a sewer main.
- No pile driving if sewer within zone of influence of piles.
- Sewers may be hazardous and any works on the sewers, including opening of covers, will need to be carried out by appropriately trained personnel with prior notifications to South East Water.

Asset location

- The location and depth of sewer mains is to be proven by hand excavation prior to the commencement of the works where required.
- The contractor should make every attempt to locate boundary traps/inspection points to ascertain the position of the property service connection prior to excavation.
- Although every effort is taken in the preparation of asset information provided, South East Water accepts no responsibility for loss, damage or injury suffered as a result of a discrepancy, and the location of all assets should be proven by hand on site prior to commencement of work.
- 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.
- Any damage resulting from failure to comply with this requirement may result in penalties being imposed as provided for in the current legislation including the *Water Industry Act 1994*. In the event that damage is caused to South East Water's assets please contact Faults & Emergencies on 132812.

NOTE: Not all sewer assets are shown on the plans, and some are shown incorrectly.

Design

- For sewer pipes up to 225 mm diameter, the following applies:
- All utilities/retaining walls are to cross sewers at 90°,
- A minimum vertical clearance of 300 mm is required,
- Proposed structures/assets parallel to sewers are to be 600 mm clear (horizontally) of closest edge of sewer, and
- Ground anchors should not be placed at a depth shallower than the depth of the adjacent sewer + 600 mm.
- For sewers greater than 225mm in diameter, the following applies:
- No approval will be given to build over sewer, and
- No approval will be given to build within 1m horizontal clearance of closest edge of sewer.
- For maintenance holes and maintenance shafts, the following applies:
- A minimum of 1.0m horizontal clearance from edge of cover surround,
- Access is required 24 hours per day for maintenance purposes, and
- Any alteration to the surface level of all existing maintenance holes or maintenance shafts will require South East Water to carry out the works at your cost.

Conditions of the pier and beam structure are as follows:

Where vertical clearance of 300 mm cannot be achieved for a drain crossing a Sewer Main, a pier and beam structure would need to be established.

- Piers are to be 600 mm clear (horizontally) of the closest edge of the Sewer Main, and are to be constructed to a depth that is equivalent to the invert of the Sewer Main,
- The Drain is to act as the beam and must be of a continuous length between the two piers (i.e. no joints are to be constructed over the Sewer Main),
- No additional load is to be placed on the Sewer Main,
- A compressible fill material is to be placed between the Sewer Main and the Drain; and
- South East Water will require the opportunity to inspect the constructed piers, prior to installation of the drain.

For new assets below existing sewer mains:

- Plans of backfill and method of supporting our sewer main are required to be submitted for our comments.

'Sewer Rising Mains' and **'Sewer Pressure Reticulation Mains'** have special conditions (refer to South East Water for these conditions).

CCTV inspection

For close proximity drainage works and/or ground anchors:

- South East Water will carry out a CCTV inspection of the sewer lines within the area of the drainage/ground anchor works, and
- Immediately after the drainage/ground anchor work is complete, South East Water will again require the lines affected by the works to be CCTV inspected at your cost.

Alterations to South East Water's assets

All minor alterations to South East Water assets as a result of the proposed works are to be conducted at the project owners cost. Should you require any further information regarding alterations to our assets please contact Bryan Findley from **'us'** Utility Services on (03) 8788 4013.

24 / 7 Emergency Response Contact Details: 132 812 or 13WATER

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