

Adam Kaye

Developer Services

17 Branch Hill
London
NW3 7NA

Your ref
Our ref 1014499123/CA
Name Dominic Alabi
Phone 0800 009 3921
Email developer.services@thameswater.co.uk

26 March 2017

Dear Mr Kaye,

**Permission to Start Minor Diversion at
Site Address: 17 Branch Hill, London NW3 7NA**

Thank you for returning your application. We have no objections to the proposals shown on drawing 055 Rev P01

In signing the agreement, you have agreed to construct the sewer in accordance with the construction specification details in both the Appendix and the 'Third Party Connection to Sewers – Hazard Information' document. It is important that these are followed to make sure the sewer can function reliably.

Please contact us when the work is complete so we can arrange an inspection by one of our Field Engineers and the final CCTV survey. Ahead of the inspection please send 'as built' drawings of the work that has taken, this will allow us to accurately map the new position of the sewer and provides a reference document for our field engineer. We will need to book this visit 5 working days in advance. Our Field Engineer will need the trench to be left open to inspect the work and will also need to view all the approved plans. Please make sure these are available on site.

The trench must not be backfilled until after the site visit and final CCTV have been completed to Thames Water specifications.

As we do not know your building timescales, it is important that you get in touch when you have completed the work to request this inspection. If you don't, we may not be able to adopt the new pipework or refund your bond. If, on inspection, the work does not meet Thames Water standards, work required to reach them will have to be undertaken at your own cost. The cost of re-inspection will have to be deducted from your bond.

To start the refund process of the £2000 Bond, you will need to show us 'As Built' drawings of the work that has actually taken place. This allows us to accurately map the new position of the sewer. The Bond will be refunded in the same way that it has

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been paid an into the same account (NB: bacs payments will be returned by cheque)

To book you inspection or if you have any questions please give the Helpdesk a call on 0800 009 3921 (Option 1). We're open 8am-5pm, Monday to Friday, or you can email us at developer.services@thameswater.co.uk.

Yours sincerely,

Dominic Alabi
Technical Coordinator
Developer Services – Wastewater

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APPENDIX

THAMES WATER UTILITIES SPECIFICATIONS FOR BUILDING RESIDENTIAL EXTENSIONS OVER MINOR PUBLIC SEWERS 100-160MM DIAMETER

The following specification items must be fully complied with:

1. All works shall comply with the requirements of 'Sewers for Adoption', 6th edition in conjunction with Protocol on Design and Construction of Adoption of Sewers in England and Wales'.
2. No additional loads are to be transmitted to the sewer by the proposed works.
3. This consent is subject to any conditions that may be imposed through the Planning or Building Regulation/Control process
4. It is your responsibility to check and verify the position and the invert levels of the public sewer prior to works on site.
5. Where the sewer is shown on the sewer records and the invert of the sewer is less than or equal to 1.5 metres below finished ground level, proposed foundations are to be a minimum of 0.6 metres from the public sewer.
 - 5.1 Where the invert of the sewer is greater than 1.5 metres below finished ground level, proposed foundations are to be minimum of 1.0 meter from the public sewer.
 - 5.2 When using piled foundations, the proposed foundations are to be a minimum of 1.5 metres from the public sewer. Only continuous flight augured piles are acceptable. The use of driven piles will not be permitted within 15 metres.
 - 5.3 Where the sewer is not shown on the sewer records and the invert is less than or equal to 1.5 metres below finished ground level, proposed foundations can be permitted within of 600 mm of the public sewer
6. Manholes on the public sewer shall not be built over or located inside proposed structures even with new double sealed bolt down covers.
7. Where the public sewer is less than or equal to 1.5 metres deep, no structure shall be built in contact with, or over any part of adjacent public manholes.
 - 7.1 Where the depth to the public sewer is greater than 1.5 metres, no structure shall be built within 1.0 metre of the public manhole structure.

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8. All connections to the public sewer to be at a manhole or via a pre-formed junction. Saddle connections are not permitted on to sewers less than 375mm diameter.

8.1 Connections into manholes must be made with soffits level and must enter 'with the flow'.
9. More than four building over agreements in a row will not be permitted on a length of public sewer without an external manhole being available for suitable operation access.
10. New manholes to be in accordance with Sewers for Adoption 6th Edition.
11. If the householder or Building Control requests that a survey be carried out, Thames Water would not object. All such surveys shall be carried out at the house holder's expense.
12. It should be noted that sewers of this type are occasionally found to have minor defects such as misaligned joints (often since new) or hairline cracking. Pipes in this condition would be accepted by Thames Water as being in a serviceable condition.
13. Plastic pipes and fittings are not accepted on the public sewers that are shown on the sewer records. We may permit the use of plastic pipes where the existing public sewer is already constructed from plastic, however the pipe must have a jetting resistance of 4000psi
14. Proposed foundations to be constructed within 1.5 metres of the public sewer shall be taken to a depth equal to or greater than the sewer invert.

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Hazard Information

Third-party connection to sewers

Anyone wishing to connect their property to a Thames Water sewer must comply with the requirements of Section 106 of the Water Act 1991, as amended.

Significant hazards

We strongly recommend that before undertaking work to connect to our sewers, the following significant hazards are considered and, where necessary, addressed.

- Oxygen deficiency
- Toxic gases, fumes or vapors
- Explosion (methane, petrol)
- Flooding
- Physical injury (slips, trips, falls)
- Infections from sewage (Weils disease)

Confined spaces

Particular care must be taken before entering or working in confined spaces. A confined space is defined as any place in which, by virtue of its enclosed nature, there arises a foreseeable specified risk. A specified risk is a risk of any of the following:

- serious injury from a fire or explosion;
- loss of consciousness due to an increase in body temperature;
- loss of consciousness or asphyxiation arising from gases or the lack of oxygen;
- Drowning arising from an increase in the level of a liquid.

In addition:

- Before entering any Thames Water asset a competent person must carry out an assessment to determine the need for entry and a safe system of work to be applied.
- Children and young persons must not enter the work-space.
- After sewer connection work, it is important to wash before eating, smoking or treating cuts and abrasions. Avoiding infection depends upon strict personal hygiene and effective care of cuts and abrasions.

Where a developer proposes to discharge groundwater into a public sewer, a groundwater discharge permit will be required. Groundwater discharges typically result from construction site dewatering, deep excavations, basement infiltration, borehole installation, testing and site remediation. Groundwater permit enquiries should be directed to Thames Water's Risk Management Team by telephoning **020 8507 4890** or by emailing wwriskmanagement@thameswater.co.uk.

Application forms should be completed on line via www.thameswater.co.uk and following the link for 'Businesses' and then 'Trade Effluent'.

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Where the developer/owner/occupier proposes to discharge trade effluent into the public sewer, a trade effluent consent will be required. Trade effluent can be best described as anything other than domestic sewage (toilet, bath or sink waste and groundwater) or uncontaminated surface water and roof drainage (rainwater). Trade Effluent Consent enquiries should be directed to Thames Water's Trade Effluent Team by telephoning 020 8507 4321 or by emailing wwqservicedesk@thameswater.co.uk. Application forms should be completed on line via www.thameswater.co.uk and following the link for 'Businesses' and then 'Trade Effluent'.

Please note neither groundwater or trade effluent should be discharged into the surface water system. Any discharge made without a permit is deemed illegal and may result in prosecution under the provisions of the Water Industry Act 1991.

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