



## Self lay Vesting Certificate

Your reference: DS1334557

Your site address: [REDACTED]

12 July 2019

This formally certifies that the ownership and operation of the new water main connected on 11/07/19 has been passed to Thames Water.

This equates to 19.10% of the total pipework.

Total of site vested to date: 62.40%.

XYZ company, as the Self Lay Provider shall remain liable for any defective materials and workmanship for a period of 12 months. After this period, the liability of the new main shall pass to Thames Water.

Signed on behalf of Thames Water



## Self lay CRMC Checklist

Once you've completed the construction of new mains, the next step is to send us a CRMC form so we can authorise connection to our network. Use this checklist to ensure you supply all the information we need to provide authorisation without delay.

### On the CRMC form: Authoriser and Competent Person

- Have you provided two different contact names for the Authoriser and Competent Person? (These must not be the same person)
- Does the Authoriser hold a 'National Water Hygiene AND Safe Control of Mains Connections (Water)' certificate?
- Does the Competent Person hold a 'National Water Hygiene AND Safe Control of Mains Connections (Water)' certificate?

### Attachments 1 & 2: Chlorination certificate and chlorination results

- Did you carry out chlorination no more than 14 days before the proposed connection date indicated on the CRMC form?
- Was the duration of the chlorination process between 7 and 24 hours?
- Was the starting level of chlorine 50 ppm (or mg/l)?
- Did the level of chlorine drop by less than 50% by the end of the test? (see the 'Residual Level')
- Do the length and the material of the mains reported on the sheet match those on your as-

### Attachment 3: Water sampling results

- Did you take the samples no more than 14 days before the proposed connection date indicated on the CRMC form?
- Did you record the E-Coli and Coliforms value as 0?
- Did you record a Turbidity value lower than 4?

### Attachment 4: Pressure test sheet

- Do the length and the material of the mains reported on the sheet match those on the as-laid drawings and chlorination sheet?
- Have you provided a graph showing the pressure trend?

### Attachment 5: As-laid drawings

- Does the length of the section to be laid match that reported on the agreed design drawings?
- Does the length of the section to be laid match that reported on the pressure test and chlorination sheets?



## Self lay Pre-start meeting

Name of site			
Self-lay provider	Developer		
OS Reference	Design version number		
SLP start date	Pre-start meeting date		

Please make sure you've read and familiarised yourself with the requirements in our 'Balance or self-lay design, permissible materials and construction arrangements' document.

### Design

1. Are we working to the approved version of the design drawing and agreed build programme? Yes  No

Contact your self-lay account manager if you make changes to the design at any stage before or during the work.

2. Are you clear on the As-laid drawing requirements? Yes  No

### Source of water

3. Who will provide your source of water? SLP  HW

Target date for source of water

### Carrying out the work

4. Do you have an arrangement for a temporary building supply/retained standpipe? Yes  No

To arrange a standpipe contact our partner Avonon on 01454 211161 or visit <https://www.avonon.co.uk/help-services/arranging-thames-water/thames-water>. It's important to ensure a flow in the main – such as from a company building supply or occupied/own properties to prevent the water stagnating.

5. Are Permits to Work required? Yes  No

Required if working off the existing network or in close proximity to high-volt assets.

6. Who is doing the sampling? SLP  HW

If we're sampling we require 7 rubber dips and there's a charge see <https://www.thameswater.co.uk/inf/2020/06/01>

7. Who is carrying out the Water Regulations Inspections? Accredited individual  HW

8. Who is carrying out service connections off the existing infrastructure (if required)? SLP  HW

All mains laid should be laid in accordance with section 7.2 of the 'Guidance on self-lay design, permissible materials and construction arrangements' unless otherwise agreed upon (laid at 0.90m cover with 100mm bed and surround).

Comments

Site attendees	Name	Signature	Phone
Thames Water SLP			
Developer			



## Self lay Installation of mains checklist

### Fittings / Chambers / Covers

- Are all fittings and chambers installed to the relevant British Standards?
- Are all chamber covers installed to the relevant British Standards?
- Do all washout and fire hydrant chambers have a fuse unit installed?
- Are the hydrants centralised within each chamber and are the outlets no deeper than 300mm from ground level?
- If you are using tubes in the construction of sluice valve pits, are the tubes a minimum of 250mm in diameter?
- If you are fitting extension spindles are these central within the tube or chamber with the top of the spindle being no deeper than 900mm from ground level?

### Joining

- Are all joints on metal mains appropriately protected?
- If you're not using self-anchoring joint rings, are concrete anchor blocks installed or have appropriate design measures been taken to allow sinking and test pressures?

### Washouts / Fire hydrants

- Do terminal washouts extend less than 1m past the last service connection?
  - Have hydrant installations been sited within the footway?
  - Are the hydrants protected from damage until the adoption site walk-off prior to formal adoption by us?
  - Are temporary hydrants awaiting connection to our network left to the correct line and level?
- Failure to adhere could involve a re-charge of the cost of extra fittings to make the connection, or a refusal to make the connection. If any new mains need to be set out of line, deeper or shallower than the existing, they must be set so that ground level and rising pipes can be installed to make the final connection to our network. Please inform us if needed.

### Marker Posts / Plates / Tape

- Are all installations sited with marker posts / plates where practicable? This is mandatory for the typical installations.
- Is the marker tape laid on top of the shingle surround regardless of the type of main being installed?

### Pressure Testing / Chlorination

- Have you had us witness all swabbing, testing and chlorination operations?
- Is the test pressure one and a half times the sustained working pressure or a minimum of 10 bar, whichever is the greater?
- Do the testing standpipes contain a pressure gauge (preferred by us) with a minimum diameter of 250mm?
- Do the testing standpipes have the facility to draw off water in case a tolerance needs to be reassured against pressure loss?
- If you are using a pressure logger, have you produced a graph and emailed it to us at [developer\\_services@thameswater.co.uk](mailto:developer_services@thameswater.co.uk) for immediate verification?

### Variations to design

- Have you agreed any variations to design you wish to make on site with the field engineer? The office will need to be consulted for any design variation. However minor, for verification and invoiced accordingly. All such drawings should be sent to your account manager immediately following connection to enable testing.

### Deadlegs

- Have you arranged supply of service connections to ensure a turnover of water volume within the main? We may refuse to have sections of main connected to our system until this number is reached. The cost for any additional testing and sampling operations required for this will not be chargeable to us.



## Self lay

### Point of connection report

Your reference: DS12912332

Your site address: Pipe Road, London, AB12 3CD

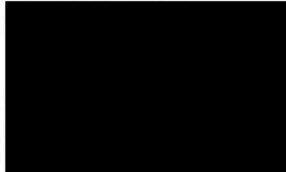
Status: Capacity confirmed

Date: 01/07/19

Validity: Valid until 30/06/20 or for the duration of your local Authority planning permission when this report is used to support your application.

We confirm that there will be sufficient capacity on our clean water network to serve the following properties on your development, 50 houses.

Nearest point of connection / Your proposed point of connection:



- Reasons not feasible if this is a self serve point of connection

Our technically preferred point of connection

- Alternative proposed options if technically preferred (if existent at this stage)
- None



Contaminated land

We believe your site is free of contaminated land, which means any new water pipes laid should be buried pipe which is more expensive. If you think this is not the case you will need to provide a soil report when applying for sewer mains and services.

Tue 07/01/20

[Redacted]

RE: Your application to self lay a new main

To: [Redacted]

Cc: [Redacted]



## Self lay

Your reference: DS123456

Your site address: [Redacted]

We're reviewing your application

Dear [Redacted]

Thanks for sending us your information. We have all the details we need to begin reviewing your mains design and quote to self lay a new water main.

What happens next?

We'll send your quote and design within the next 21 calendar days.

Can I speak to someone?

From this point on, I'll be your dedicated contact for your water mains design. Just call me on the number below if you need a helping hand.

Yours sincerely,

[Redacted Signature]

