Asset Location Search



Waste Water Services

Please provide a copy extract from the public sewer map.

Enclosed is a map showing the approximate lines of our sewers. Our plans do not show sewer connections from individual properties or any sewers not owned by Thames Water unless specifically annotated otherwise. Records such as "private" pipework are in some cases available from the Building Control Department of the relevant Local Authority.

Where the Local Authority does not hold such plans it might be advisable to consult the property deeds for the site or contact neighbouring landowners.

This report relates only to sewerage apparatus of Thames Water Utilities Ltd, it does not disclose details of cables and or communications equipment that may be running through or around such apparatus.

The sewer level information contained in this response represents all of the level data available in our existing records. Should you require any further Information, please refer to the relevant section within the 'Further Contacts' page found later in this document.

For your guidance:

- The Company is not generally responsible for rivers, watercourses, ponds, culverts or highway drains. If any of these are shown on the copy extract they are shown for information only.
- Any private sewers or lateral drains which are indicated on the extract of the public sewer map as being subject to an agreement under Section 104 of the Water Industry Act 1991 are not an 'as constructed' record. It is recommended these details be checked with the developer.

Clean Water Services

Please provide a copy extract from the public water main map.

Enclosed is a map showing the approximate positions of our water mains and associated apparatus. Please note that records are not kept of the positions of individual domestic supplies.

For your information, there will be a pressure of at least 10m head at the outside stop valve. If you would like to know the static pressure, please contact our Customer Centre on 0800 316 9800. The Customer Centre can also arrange for a full flow and

Asset Location Search



pressure test to be carried out for a fee.

For your guidance:

- Assets other than vested water mains may be shown on the plan, for information only
- If an extract of the public water main record is enclosed, this will show known public
 water mains in the vicinity of the property. It should be possible to estimate the
 likely length and route of any private water supply pipe connecting the property to
 the public water network.

Payment for this Search

A charge will be added to your suppliers account.

Asset Location Search



Further contacts:

Waste Water queries

Should you require verification of the invert levels of public sewers, by site measurement, you will need to approach the relevant Thames Water Area Network Office for permission to lift the appropriate covers. This permission will usually involve you completing a TWOSA form. For further information please contact our Customer Centre on Tel: 0845 920 0800. Alternatively, a survey can be arranged, for a fee, through our Customer Centre on the above number.

If you have any questions regarding sewer connections, budget estimates, diversions, building over issues or any other questions regarding operational issues please direct them to our service desk. Which can be contacted by writing to:

Developer Services (Waste Water) Thames Water Clearwater Court Vastern Road Reading RG1 8DB

Tel: 0845 850 2777

Email: developer.services@thameswater.co.uk

Clean Water queries

Should you require any advice concerning clean water operational issues or clean water connections, please contact:

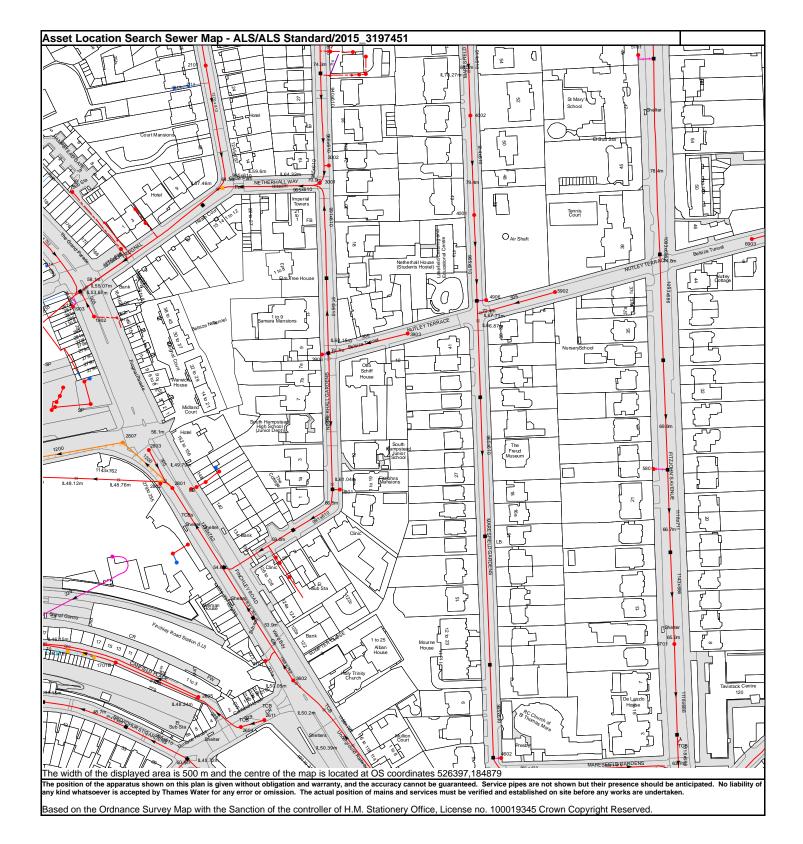
Developer Services (Clean Water) Thames Water Clearwater Court Vastern Road Reading RG1 8DB

Tel: 0845 850 2777

Email: developer.services@thameswater.co.uk

<u>Thames Water Utilities Ltd.</u> Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T0845 070 9148Esearches@thameswater.co.uk I www.thameswater-propertysearches.co.uk

Page 5 of 12



Thames Water Utilities Ltd. Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13

Page 6 of 12

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

Manhole Reference	Manhole Cover Level	Manhole Invert Level
3906	n/a	n/a
3903	72.04	69.19
4906	n/a	n/a
5902	73.36	69.41
6903	75.62	71.38
4001	76.82	71.76
3001	70.81	64.89
3002	n/a	n/a
4002	82.58	76.52
3112	n/a	n/a
3111	n/a	n/a
3110	n/a	n/a
3109	n/a	n/a
3108	n/a	n/a
5101	n/a	n/a
3107	n/a	n/a
3106	n/a	n/a
18AI	n/a	n/a
18BB	n/a	n/a
18AE	n/a	n/a
18AF	n/a n/a	n/a n/a
291A		
1902	57.86	54.02
1903	n/a	n/a
191A 2901	n/a	n/a n/a
1916	n/a n/a	n/a
2008	n/a n/a	n/a n/a
1005	n/a	n/a
2007	n/a	n/a
1004	n/a	n/a
201A	n/a	n/a
211A	n/a	n/a
2101	69.04	62.55
1701B	50.28	47.36
17BD	n/a	n/a
17BE	n/a	n/a
27CI	n/a	n/a
1703	n/a	n/a
27CJ	n/a	n/a
27DA	n/a	n/a
28CI	n/a	n/a
2801	55.4	49.44
28CH	n/a	n/a
2802	n/a	n/a
28CG	n/a	n/a
28CF	n/a	n/a
28CE	n/a	n/a
2803	55.99	52.04
2807	55.9	48.57
18AH	n/a	n/a
18AG	n/a	n/a
18AD	n/a	n/a
18AJ	n/a	n/a
4602	n/a	n/a
2611	53.12	49.01
3602	53.34	52.43
3701	n/a	n/a
5701	64.86	60.58
3706	n/a	n/a
3705	n/a	n/a
3704	n/a	n/a
3801	n/a	n/a
5801	n/a	n/a
2605	52.05	50.07 48.54
2604	52.67	40.34

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

es Water Utilities Ltd. Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13

T 0845 070 9148 E searches@thameswater.co.uk I www.thamesw

Page 7 of 12

Public Sewer

ALS Sewer Map Key

•	Foul: A sewer designed to convey waste water from domestic and industrial sources to a treatment works.
	Surface Water: A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.
•	Combined: A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.

0

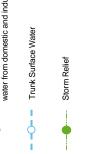
__ W

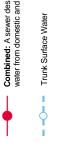














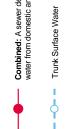


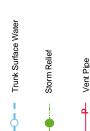


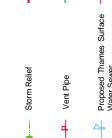










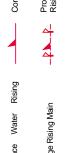




End Items

(m 😛





Other Symbols

Sewer Fittings



Operational Controls
A feature in a sewer that changes or d
A hydrobrake limits the flow passing dc





. A



5) 'na' or '0' on a manhole level indicates that data is unavailable.

SL1 4W, DX 151280 Slough Searches, PO Box 3189, eswater.co.uk. I www.tha Thames Water Utilities Ltd., Property T 0845 070 9148 E searches@tham

Thames Water Utilities Ltd. Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T 0845 070 9148 E searches@thameswater.co.uk I www.thameswater-propertysearches.co.uk



Page 9 of 12

ALS Water Map Key

ed by Tha Water Pipes (Operated & Mai

- on water maps. **Distribution Main:** The m With few exceptions, do distribution mains.
- Trunk Main: A main carrying water from a source of supply to a treatment plant or reservoir to from one treatment plant or reservoir to another. Also a main transferring water in bulk to smaller water mains used for supplying individual customers.
- **Supply Main:** A supply main indicates that the water main is used as a supply for a single property or group of properties. 3" SUPPLY
- Fire Main: Wherea pipe is used as a fire supply, the word FIRE will be displayed along the pipe.

3" FIRE

- Metered Pipe: A metered main indicates that the pipe in question supplies water for a single property or group of properties and that quantity of water passing through the pipe is metered even though there may be no meter symbol shown.
- **Transmission Tunnel:** A very large diameter water pipe. Most tunnels are buried very deep underground. These pipes are not expected to affect the structural integrity of buildings shown on the map provided.
- **Proposed Main:** A main that is still in the planning stages or in the process of being laid. More details of the proposed main and its reference number are generally included near the main.

ating what happens Symbol indica a water main.

the end of $^{\scriptscriptstyle \perp}$

Blank Flange Capped End Emptying Pit 0

Ü

Shaft Inspection \oplus

 \Diamond •

Service Reser

Other (Proposed) Pumping Station

Booster Station

Ф

Other

Operational Sites

Other Symbols

Water Tow

7

DEPTH BELOW GROUND PIPE DIAMETER

Customer Supply	Fire Supply	
(a)		
its		

Other Water Pipes

- Other Water Company Main: Occasionally water pipes may overlap the border of our area. These mains are denoted in purple an the owner of the pipe displayed along them.
- Private Main: Indiates that the by Thames Water. These main: them indicating the diameter ar

Terms and Conditions

All sales are made in accordance with Thames Water Utilities Limited (TWUL) standard terms and conditions unless previously agreed in writing.

- 1. All goods remain in the property of Thames Water Utilities Ltd until full payment is received.
- 2. Provision of service will be in accordance with all legal requirements and published TWUL policies.
- 3. All invoices are strictly due for payment 14 days from due date of the invoice. Any other terms must be accepted/agreed in writing prior to provision of goods or service, or will be held to be invalid.
- 4. Thames Water does not accept post-dated cheques-any cheques received will be processed for payment on date of receipt.
- 5. In case of dispute TWUL's terms and conditions shall apply.
- Penalty interest may be invoked by TWUL in the event of unjustifiable payment delay. Interest charges will be in line with UK Statute Law 'The Late Payment of Commercial Debts (Interest) Act 1998'.
- 7. Interest will be charged in line with current Court Interest Charges, if legal action is taken.
- 8. A charge may be made at the discretion of the company for increased administration costs.

A copy of Thames Water's standard terms and conditions are available from the Commercial Billing Team (cashoperations@thameswater.co.uk).

We publish several Codes of Practice including a guaranteed standards scheme. You can obtain copies of these leaflets by calling us on 0800 316 9800

If you are unhappy with our service you can speak to your original goods or customer service provider. If you are not satisfied with the response, your complaint will be reviewed by the Customer Services Director. You can write to him at: Thames Water Utilities Ltd. PO Box 492, Swindon, SN38 8TU.

If the Goods or Services covered by this invoice falls under the regulation of the 1991 Water Industry Act, and you remain dissatisfied you can refer your complaint to Consumer Council for Water on 0121 345 1000 or write to them at Consumer Council for Water, 1st Floor, Victoria Square House, Victoria Square, Birmingham, B2 4AJ.

Ways to pay your bill

Credit Card	BACS Payment	Telephone Banking	Cheque
Call 0845 070 9148 quoting your invoice number starting CBA or ADS.	Account number 90478703 Sort code 60-00-01 A remittance advice must be sent to: Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW. or email ps.billing@thameswater. co.uk	By calling your bank and quoting: Account number 90478703 Sort code 60-00-01 and your invoice number	Made payable to 'Thames Water Utilities Ltd' Write your Thames Water account number on the back. Send to: Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW or by DX to 151280 Slough 13

Thames Water Utilities Ltd Registered in England & Wales No. 2366661 Registered Office Clearwater Court, Vastern Rd, Reading, Berks, RG1 8DB.

Thames Water Utilities Ltd, Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T 0845 070 9148 E searches@thameswater.co.uk I www.thameswater-propertysearches.co.uk

Page 11 of 12



Search Code

IMPORTANT CONSUMER PROTECTION INFORMATION

This search has been produced by Thames Water Property Searches, Clearwater Court, Vastern Road, Reading RG1 8DB, which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered search firms maintain compliance with the Code.

The Search Code:

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- · sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practise and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

The Code's core principles

Firms which subscribe to the Search Code will:

- display the Search Code logo prominently on their search reports
- act with integrity and carry out work with due skill, care and diligence
- at all times maintain adequate and appropriate insurance to protect consumers
- conduct business in an honest, fair and professional manner
- handle complaints speedily and fairly
- ensure that products and services comply with industry registration rules and standards and relevant laws
- monitor their compliance with the Code

Complaints

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award compensation of up to £5,000 to you if he finds that you have suffered actual loss as a result of your search provider failing to keep to the Code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details

The Property Ombudsman scheme Milford House 43-55 Milford Street Salisbury Wiltshire SP1 2BP Tel: 01722 333306 Fax: 01722 332296

Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

<u>Thames Water Utilities Ltd.</u> Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T0845 070 9148Esearches@thameswater.co.uk I www.thameswater-propertysearches.co.uk

Page 12 of 12



E Structural Calculations



10 Nutley Terrace London NW3 5SB

Structural Calculations

Job number. 2150320

Revision: P1

Status: For Planning

Date: November 2015

10 Nutley Terrace

elliottwood

Structural Calculations

Document Control

		remarks:	Issued for planning				
revision:	P1	prepared by:	IShe	checked by:	SWa	approved by:	GP
date:	Nov '15	signature:	IJS	signature:	Swalley	signature:	Movey

Design Aids

Design Codes

Eurocode 1: BS EN Actions on structures - Part 1-1: General actions - Densities, self-weight,

1991-1-1:2002 imposed loads for buildings

Eurocode 2: BS EN Design of concrete structures - Part 1-1: General rules and rules for buildings

Eurocode 3: BS EN Design of steel structures - Part 1-1: General rules and rules for buildings

Eurocode 5: BS EN Design of timber structures - Part 1-1: General – Common rules and rules for buildings

Eurocode 6: BS EN

Design of masonry structures - Part 1-1: General rules for reinforced and unreinforced masonry structures

Eurocode 7: BS EN Geotechnical design - Part 1: General rules 1997-1:2004+A1:2013

\\emc\EWP\EWP Projects\2015\2150320\02 ew docs\07 reports\Appendices\Underpin 2 of 2 Calc.docx

Elliott Wood Partnership LLP

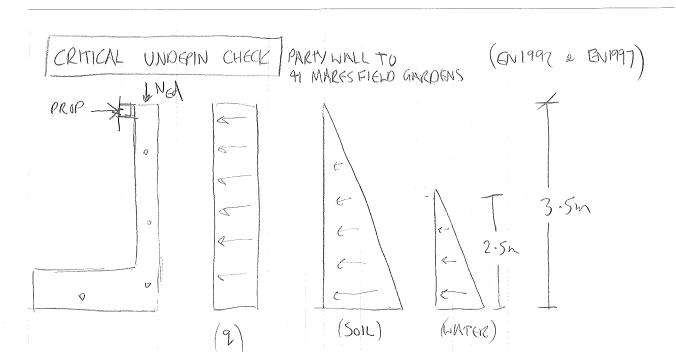
QF029 ver_06 Nov '15

Project name: 10 NUTLEY

Project number: 2 150320 Date:

Nov 15

Revision: Pl Engineer: Checked: 15he SWa elliottwood



CONSIDER UNDERPIN AS PROPPED CANTILEVER - PROP WATER ASSUMED IM BELOW GROUND CONSFRYATIVELY

SOIL PARAMETERS

- FROM SITE INVESTIGATION YSOL = 20kN/m3 (LONDON CLAY FORMATION)

d' = 23° (EFFECTIVE ANGLE OF FRICTION)

$$K_0 = 1 - sin \phi = 0.93$$

- TAKE SURCHARGE AS RESIDENTIAL LOADING 2 = 2.5 N/m2
- CANTILEVER PROPPED AT 3m FROM TOP OF UP TOE
- SLIDING L OVERTURMING CHECK NOT REQUIRED AS UNDERPIN PROPPED LATERAL LOADS

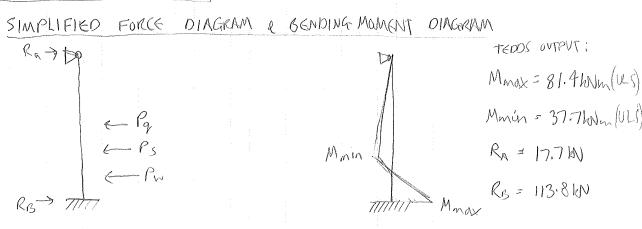
- -Ps = \(\times \ K_a \times \delta \ \sigma \ \times \ \
- -PW = \(\frac{1}{2} \times \times \times \hat{12} = \frac{1}{2} \times 10 \times 1/m^3 \times 2.5^2 = 31.25 \times 1/m (515)

10 NUTLEY Project number: 215056

NOV 15

Sheet: Engineer: 1 She Revision: Checked: SWa elliottwood

CRITICAL UNDERPIN CHECK



FLEXURAL REQUIREMENT

CONCRETE GRADE
$$f_{ck} = 28N/m^2$$
 $d = 350 - 50 - \frac{16}{2} = 297 mm$

$$K = \frac{M_{Ed}}{b d^2 f_{ck}} - \frac{81.4 \times 10^6}{1000 \times 2972^2 \times 28}$$

As, prov'd = 1149 mm 2/m > 0/CAY

Project name:

Date: 15

10 NUTLEY
Project number:
2150300

Sheet: 3 Engineer: 15W Revision: り Checked: Sいん elliottwood

CRITICAL UNDERPIN CHECK -BEARING PRESSURE

VERTICAL LUADS

TOTAL VERTICAL LOAD FROM LTD.: NEW = [166] KN (PER METRE LENGTH) (SLS)

BEARING PRESSURE AT BASE

2m WIDE STRIP

TOTAL SLS LOAD: 190 W

JEARING PRESSURE: 190/2 = 95 kN/m² FOR IM STRIP JALICHIASIE = 135KN/m² (BIA RERORT) JALIONASIE > JEARANG

=) ASSUMES UNDERPINS ARE PROPPED IN TEMPORARY (PASE BY STEEL WAILING BEAMS AND BASEMENT + GROUND FLOWN SLAYS IN PERMENANT CASE

LA OVER TURNING OK

Elliott Wood Partnership LLP - Consulting Structural and Civil Engineers

www.elliottwood.co.uk

Wimbledon

241 The Broadway London SW19 1SD

tel. (020) 8544 0033 fax. (020) 8544 0066

Central London

46-48 Foley Street London W1W 7TY tel. (020) 7499 5888 fax. (020) 7499 5444

Nottingham Halifax House Halifax Place Nottingham NG1 1QN

tel. 0870 460 0061 fax. 0870 460 0062

email: info@elliottwood.co.uk www.elliottwood.co.uk

elliott wood partnership llp structural and civil engineers



