

Mr. and Mrs Dean 24 Chalcot Crescent, London NW1 8YE, UK

REF: 1849

RE: Proposed Vault Toilet Construction, Feasibility Drainage Assessment- 24 Chalcot Crescent, NW1 8YE, London.

Thank you for instructing Bytnar Ltd to carry out an assessment on the existing drainage system in regards to proposed toilet relocation to the lowered level vault enclosure. This report takes in consideration the condition of existing drainage and its layout in relation to proposed modifications.

A site investigation has been conducted at **24 Chalcot Crescent** on Tuesday the 27th of November, 2018 at 9am.

Findings and Recommendations

The building is a 4-storey "Regency" terraced house of traditional construction with front under pavement vaults at the lover ground floor level. The proposal is to relocate existing toilet facilities from under the main entrance stairs to the adjacent vault enclosure, see Appendix A- Architectural Plans. Vault floor to be lowered by 350mm to accommodate such a change.

Thames Water asset location search has revealed combined sewerage line to which property is connected, see Appendix B- Asset Location. Further investigatory works identified existing drainage layout and some blockages between the Manhole and Public Drainage to an extent of 15% of the cross-sectional area of the drain and some joint displacements of medium size which do not govern any immediate necessity of repair or unblocking, see Appendix C- Drain Survey.

It has been concluded that a connection to the existing drainage system is feasible, however, due to the lowering of the toilet level to the level susceptible to drainage surcharge it will be necessary to introduce methods mitigating the extend of impact such occurrence may have.

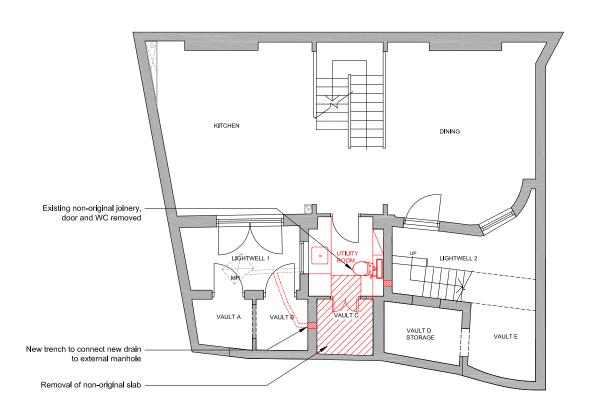


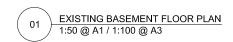
We recommend employing appropriate anti-flooding valve prior to the connection with the existing manhole and routing of the proposed drainage elements as shown on the design drawings, see Appendix D- Proposed Drainage Layout.

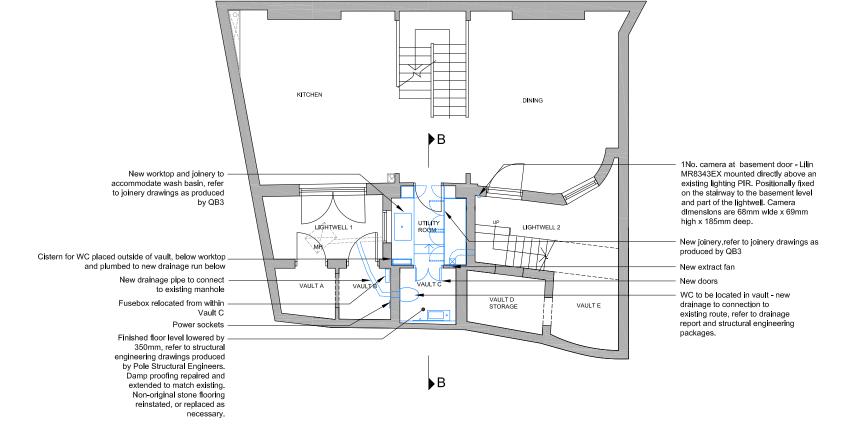
Yours sincerely,

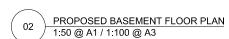
Piotr Bytnar BEng (Hons)
Director

Appendix A- Architectural Plans









NOTES: ALL ROUTS DESCRIBED IN CHAPTER IN OF THE COPYRIGHT AND PATENTS ACT 1988 HAVE BEN GENERALLY ASSERTED DRAWNINGS ABED ON SURVEY INFORMATION PROVIDED BY OTHERS DRAWNINGS ARE NOT FOR CONSTRUCTION URLESS OTHERWISE STATED. REPORT ANY DRAWNING HOOMED STRUCES TO THE ANCHRECT MEMBRANELY ARCHITECTTO BE ADMEDIC OF ANY UNGAIN AND ENCORPORATED AND ENCORPORATED AND ENCORPORATED AND ADMINISTRACES TO THE ANCHRECT MEMBRANELY ARCHITECTTO BE ADMEDIC OF ANY UNGAIN AND ENGOISE AND BE TO CONTROL OF THE RESPONSIBILITIES OF THE CLUER IS TO APPOINT A "PRINCIPAL DESIGNERY, ROLD ON DITES ON THE CLUER IS TO APPOINT A "PRINCIPAL DESIGNERY, ROLD ON DITES ON THE CLUER IS TO APPOINT A "PRINCIPAL DESIGNERY, ROLD ON DITES ON THE CLUER IS TO APPOINT A PRINCIPAL DESIGNERY, ROLD ON DITES ON THE CLUER IS TO APPOINT A PRINCIPAL DESIGNERY, ROLD ON DITES ON THE CLUER IS TO APPOINT A PRINCIPAL DESIGNERY AND ADDRESS. SCALE 1.50 @ A1, 1.1100 @ A3

RODIĆ DAVIDSON ARCHITECTS REVISIONS: 24 Chalcot Crescent, London, NW1 8YD / 10.05.2019 Submitted for Listed Building Consent 1 Pied Bull Yard London WC1A 2AE 1:50 @ A1 / 1:100 @ A3 EXISTING & PROPOSED BASEMENT FLOOR PLAN t: +44 (0)207 043 3551 f: +44 (0)207 043 3552 www.rodicdavidson.co.uk RDA_0975 SR PL.01.001 RODIĆ DAVIDSON ARCHITECTS is the trading name of bdAr ltd October 2018

Appendix B- Asset Location



Bytnar Ltd 27 Hambrook Road SNODLAND ME6 5SQ

Search address supplied 24

Chalcot Crescent

London NW1 8YE

Your reference 1849

Our reference ALS/ALS Standard/2018_3911007

Search date 17 November 2018

Keeping you up-to-date

Notification of Price Changes

From 1 September 2018 Thames Water Property Searches will be increasing the price of its Asset Location Search in line with RPI at 3.23%.

For further details on the price increase please visit our website: www.thameswater-propertysearches.co.uk Please note that any orders received with a higher payment prior to the 1 September 2018 will be non-refundable.



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



searches@thameswater.co.uk www.thameswater-propertysearches.co.uk







Search address supplied: 24, Chalcot Crescent, London, NW1 8YE

Dear Sir / Madam

An Asset Location Search is recommended when undertaking a site development. It is essential to obtain information on the size and location of clean water and sewerage assets to safeguard against expensive damage and allow cost-effective service design.

The following records were searched in compiling this report: - the map of public sewers & the map of waterworks. Thames Water Utilities Ltd (TWUL) holds all of these.

This searchprovides maps showing the position, size of Thames Water assets close to the proposed development and also manhole cover and invert levels, where available.

Please note that none of the charges made for this report relate to the provision of Ordnance Survey mapping information. The replies contained in this letter are given following inspection of the public service records available to this company. No responsibility can be accepted for any error or omission in the replies.

You should be aware that the information contained on these plans is current only on the day that the plans are issued. The plans should only be used for the duration of the work that is being carried out at the present time. Under no circumstances should this data be copied or transmitted to parties other than those for whom the current work is being carried out.

Thames Water do update these service plans on a regular basis and failure to observe the above conditions could lead to damage arising to new or diverted services at a later date.

Contact Us

If you have any further queries regarding this enquiry please feel free to contact a member of the team on 0845 070 9148, or use the address below:

Thames Water Utilities Ltd Property Searches PO Box 3189 Slough SL1 4WW

Email: searches@thameswater.co.uk

Web: www.thameswater-propertysearches.co.uk



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 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.



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: 0800 009 3921

Email: developer.services@thameswater.co.uk

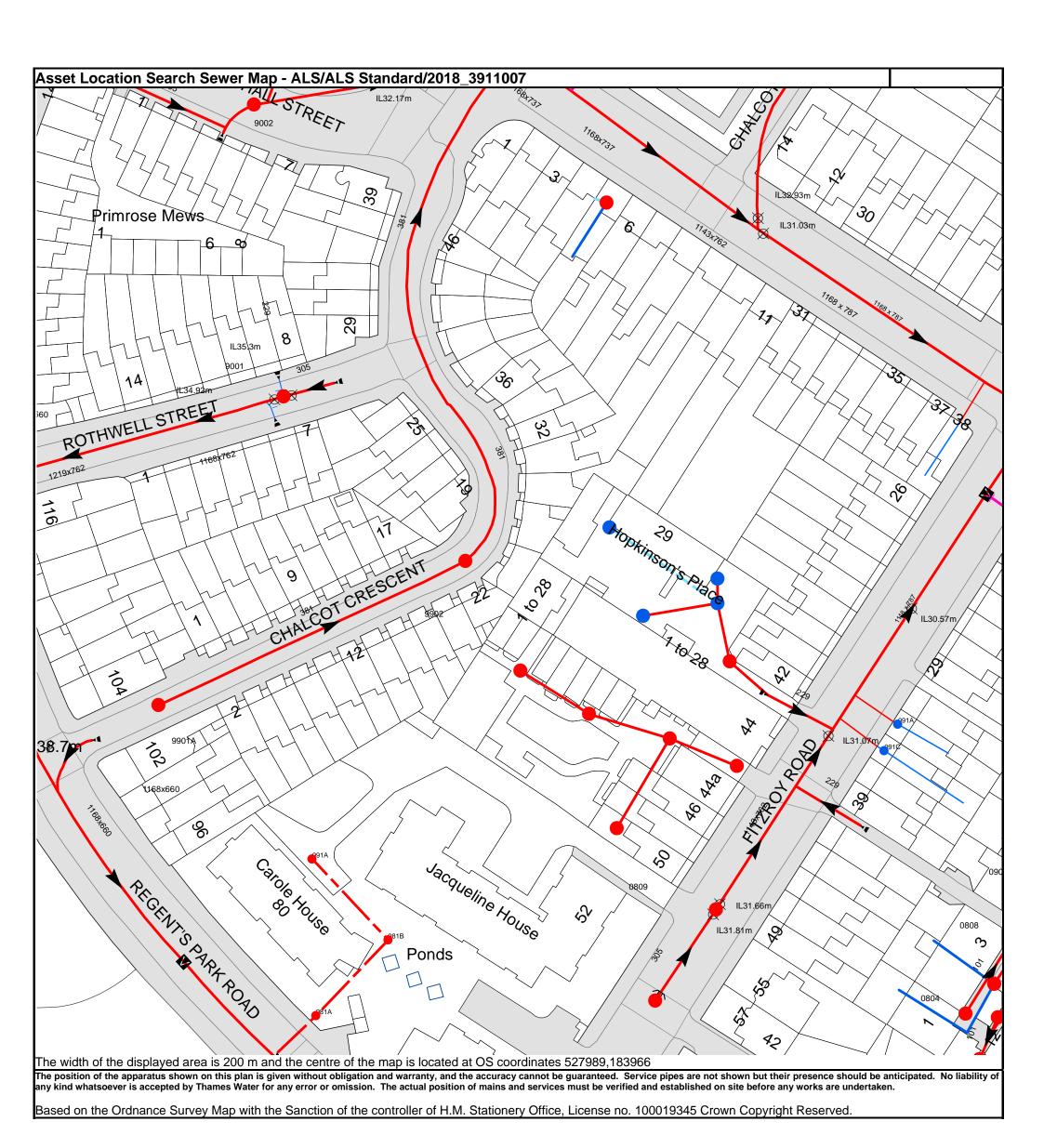
Clean Water queries

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: 0800 009 3921

Email: developer.services@thameswater.co.uk



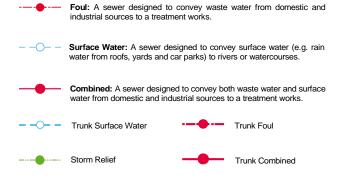
<u>Thames Water Utilities Ltd</u>, Property Searches, PO Box 3189, Slough SL1 4W, DX 151280 Slough 13 T 0845 070 9148 E searches@thameswater.co.uk I www.thameswater-propertysearches.co.uk

Manhole Reference	Manhole Cover Level	Manhole Invert Level
0803	n/a	n/a
08BG	n/a	n/a
09EB	n/a	n/a
091C	n/a	n/a
09EA	n/a	n/a
091A	n/a	n/a
09DJ	n/a	n/a
9901A	38.48	33.98
99DH	n/a	n/a
09DG	n/a	n/a
09DF	n/a	n/a
09DE	n/a	n/a
09DD	n/a	n/a
9902	38.15	33.31
09DC	n/a	n/a
9001	n/a	n/a
00CA	n/a	n/a
9002	38.68	32.8
981A	n/a	n/a
0804	n/a	n/a
0805	35.24	31.95
981B	n/a	n/a
0809	n/a	n/a
991A	n/a	n/a
09EC	n/a	n/a

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.



Public Sewer Types (Operated & Maintained by Thames Water)





Bio-solids (Sludge)



----- Vacuum

P Vent Pipe

Sewer Fittings

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

Air Valve

Dam Chase

Fitting

Meter

♦ Vent Column

Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

Control Valve

Drop Pipe

Ancillary

✓ Weir

End Items

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol, Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

Outfall

Undefined End

/ Inle

Notes:

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.
- Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
- Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
- 5) 'na' or '0' on a manhole level indicates that data is unavailable.

6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in milimetres. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology present on the plan, please contact a member of Property Insight on 0845 070 9148.

Other Symbols

Symbols used on maps which do not fall under other general categories

▲ / ▲ Public/Private Pumping Station

* Change of characteristic indicator (C.O.C.I.)

M Invert Level

< Summit

Areas

Lines denoting areas of underground surveys, etc.

Agreement

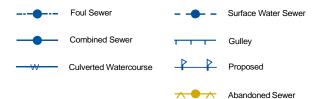
Operational Site

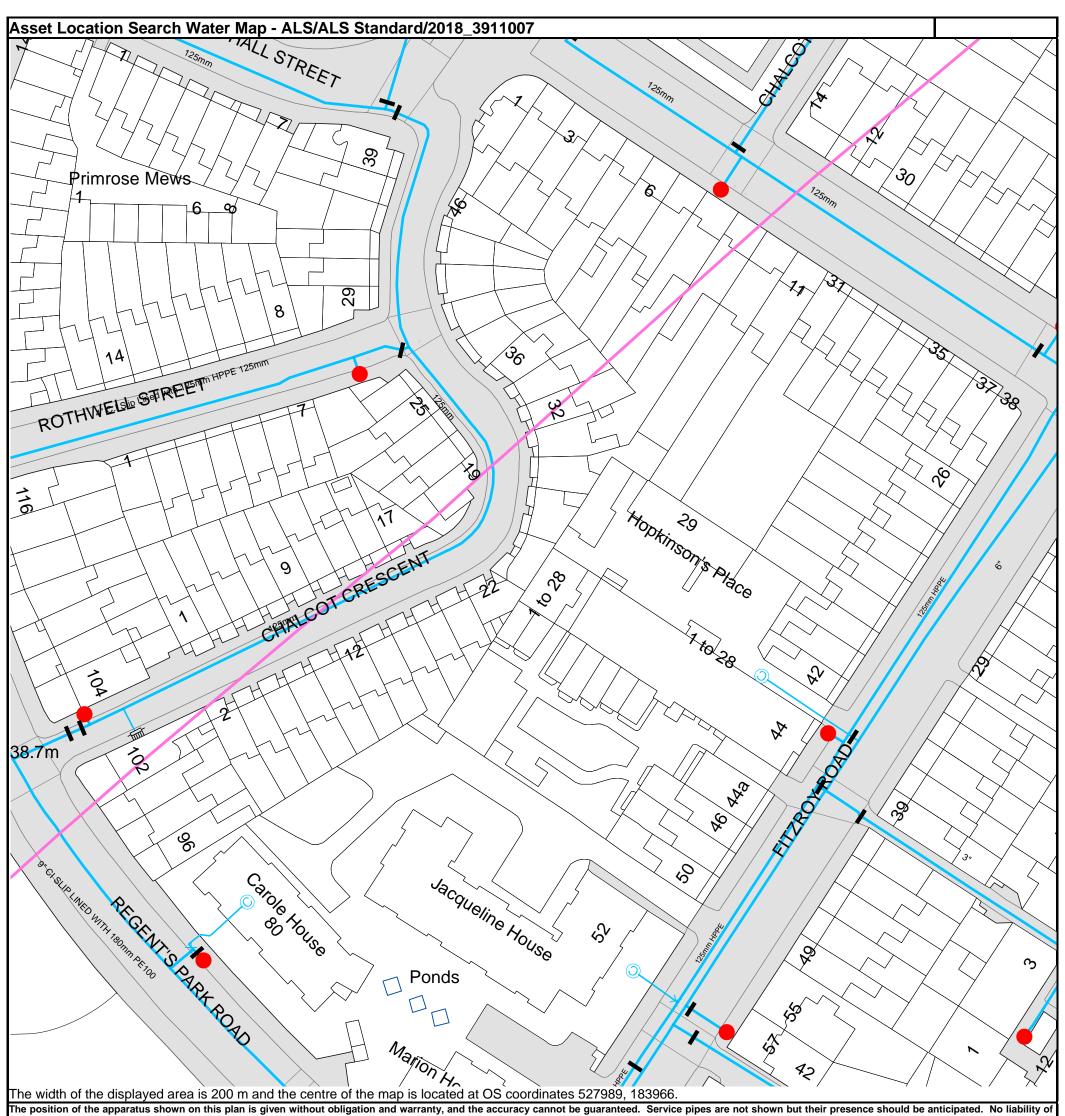
Chamber Chamber

Tunnel

Conduit Bridge

Other Sewer Types (Not Operated or Maintained by Thames Water)





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.

Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100019345 Crown Copyright Reserved.



Water Pipes (Operated & Maintained by Thames Water)

	(oporatou a maintainou by mainos trator)
4"	Distribution Main: The most common pipe shown on water maps. With few exceptions, domestic connections are only made to distribution mains.
16"	Trunk Main: A main carrying water from a source of supply to a treatment plant or reservoir, or from one treatment plant or reservoir to another. Also a main transferring water in bulk to smaller water mains used for supplying individual customers.
3" SUPPLY	Supply Main: A supply main indicates that the water main is used as a supply for a single property or group of properties.
3" FIRE	Fire Main: Where a pipe is used as a fire supply, the word FIRE will be displayed along the pipe.
3" METERED	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.

PIPE DIAMETER	DEPTH BELOW GROUND			
Up to 300mm (12")	900mm (3')			
300mm - 600mm (12" - 24")	1100mm (3' 8")			
600mm and bigger (24" plus)	1200mm (4')			

Valves Operational Sites General PurposeValve Air Valve Pressure ControlValve Customer Valve **Hydrants** Single Hydrant Meters Meter **End Items Other Symbols** Symbol indicating what happens at the end of L a water main. Data Logger Blank Flange Capped End **Emptying Pit** Undefined End

Manifold

Customer Supply

Fire Supply

Other Water Pipes (Not Operated or Maintained by Thames Water) Other Water Company Main: Occasionally other water company water pipes may overlap the border of our clean water coverage area. These mains are denoted in purple and in most cases have the owner of the pipe displayed along them. Private Main: Indiates that the water main in question is not owned by Thames Water. These mains normally have text associated with

them indicating the diameter and owner of the pipe.

Booster Station

Other (Proposed)

Pumping Station Service Reservoir

Shaft Inspection

Treatment Works

Unknown

Water Tower

Other

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.
- 6. 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 her 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 / OSS	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.



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

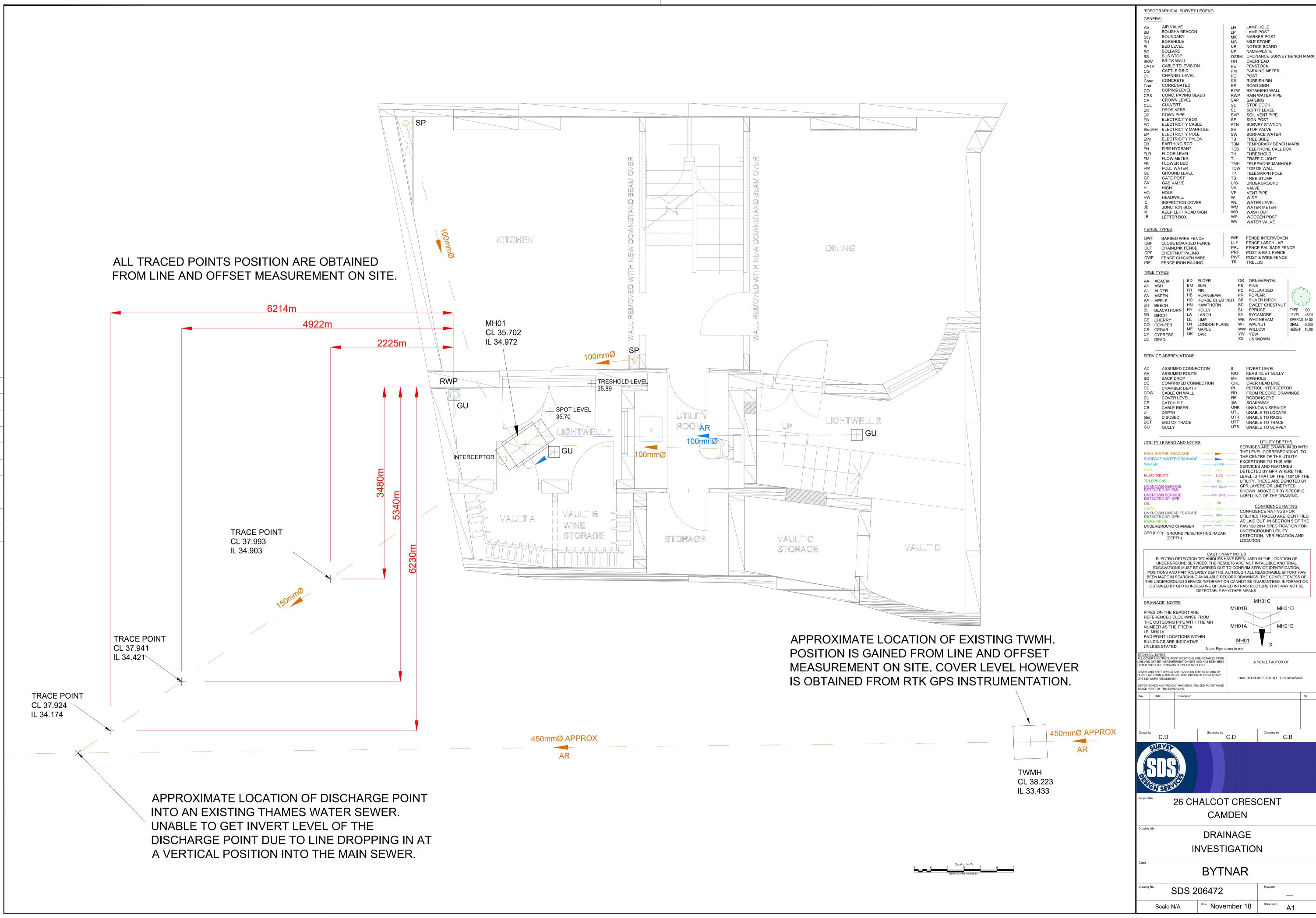
The Property Ombudsman scheme Milford House 43-55 Milford Street Salisbury Wiltshire SP1 2BP

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

Appendix C- Drain Survey





Unit 13 & 14 Foundry Business Park - Seager Road, Faversham Tel. 01795 594110

surveys@surveydesignservices.co.uk

Project Information

Client's Ref: Contractor's Ref: Project Name: Project Date: 206472 CHALCOT CRESCENT 206472 30/11/2018

Client

BYTNAR Company: Contact: Piotr Bytnar

Structural Engineer/ Party Wall Surveyor Department:

07522282698 Phone: Mobile: 07522282698

Email: piotrbytnar@bytnar.co.uk

Site

BYTNAR Company: Contact: Piotr Bytnar

Structural Engineer / Party Wall Surveyor Department:

Chalcot Crescent Street:

Town or City: Camden County: London Post Code: NW1 8YD Phone: 07522282698 Mobile: 07522282698

Email: piotrbytnar@bytnar.co.uk

Contractor

Survey Design Services [SDS] Company:

S . Forwood Contact:

Department: CCTV Surveys - Drainage Investigation

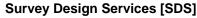
Street: Unit 13 & 14 Foundry Business Park - Seager Road

Town or City: Faversham

County: Kent

Post Code: **ME13 7FD** Phone: 01795 594110 Fax: 01795 530724

Email: surveys@surveydesignservices.co.uk





Unit 13 & 14 Foundry Business Park - Seager Road, Faversham Tel. 01795 594110 surveys@surveydesignservices.co.uk

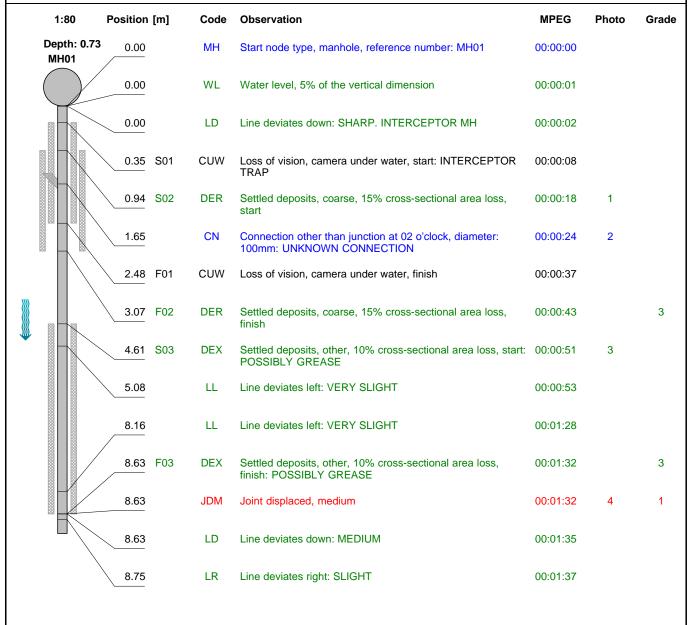
Section Inspection - 30/11/2018 - MH01X

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Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
1	1	30/11/18	12:21		No Rain Or Snow	No	MH01X
Ope	rator:	Veh	icle:	Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Sds	s Cd	MOE	BILE	Push Rod			

Town or Village:	CAMDEN	Insp Dir: MH	01 >> MH01 X		US MH:	MH01
Road:	Chalcot Crescent	Inspected Length:	10.29 m		US Depth:	0.730 m
Location:	Property with buildings	Total Length:	10.29 m		DS MH:	MH01 X
Surface Type:		Pipe Length:	0.60 m		DS Depth:	0.000 m
Use:	Combined		Pipe Shape:	Circ	cular	
Type of Pipe:	Gravity drain/sewer		Height / Width:	150	mm	
Year Constructed:	1980		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Inspection Purpose:	Sample survey to determ	ine asset condition	Lining Type:	Nor	ne	
Flow Control:	No flow control		Lining Material:	Nor	ne	

Comment: SURVEY COMPLETE

Recommendation: NONE



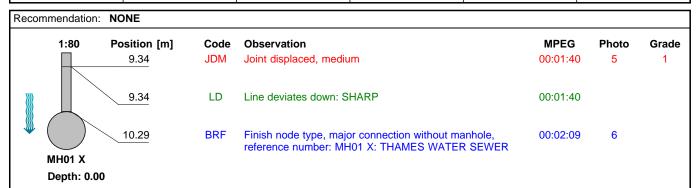


Unit 13 & 14 Foundry Business Park - Seager Road, Faversham Tel. 01795 594110

surveys@surveydesignservices.co.uk

Section Inspection - 30/11/2018 - MH01X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
1	1	30/11/18	12:21		No Rain Or Snow	No	MH01X
Ope	rator:	Veh	icle:	Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Sds	s Cd	MOI	BILE	Push Rod			



Structural Defects					Construction Features				
	Service & Operational Observations					Miscellaneous Features			
STR No. Def STR Peak STR Mean STR Total STR Grade				STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	1.0	0.2	2.0	1.0	2	2.0	0.4	4.0	3.0

Unit 13 & 14 Foundry Business Park - Seager Road, Faversham Tel. 01795 594110

surveys@surveydesignservices.co.uk

Section Pictures - 30/11/2018 - MH01X

 Section Number:
 Inspection Direction:
 PLR:
 Client's Ref:
 Contractor's Ref:

 1
 MH01 >> MH01 X
 MH01X
 206472



1, 00:00:18, 0.94m Settled deposits, coarse, 15% cross-sectional area loss, start



2, 00:00:24, 1.65m Connection other than junction at 02 o'clock, diameter: 100mm / UNKNOWN CONNECTION



3, 00:00:51, 4.61m Settled deposits, other, 10% cross-sectional area loss, start / POSSIBLY GREASE



4, 00:01:32, 8.63m Joint displaced, medium



Unit 13 & 14 Foundry Business Park - Seager Road, Faversham
Tel. 01795 594110

surveys@surveydesignservices.co.uk

Section Pictures - 30/11/2018 - MH01X

Section Number: Inspection Direction: PLR: Client's Ref: Contractor's Ref:

1 MH01 >> MH01 X MH01X 206472



5, 00:01:40, 9.34m Joint displaced, medium

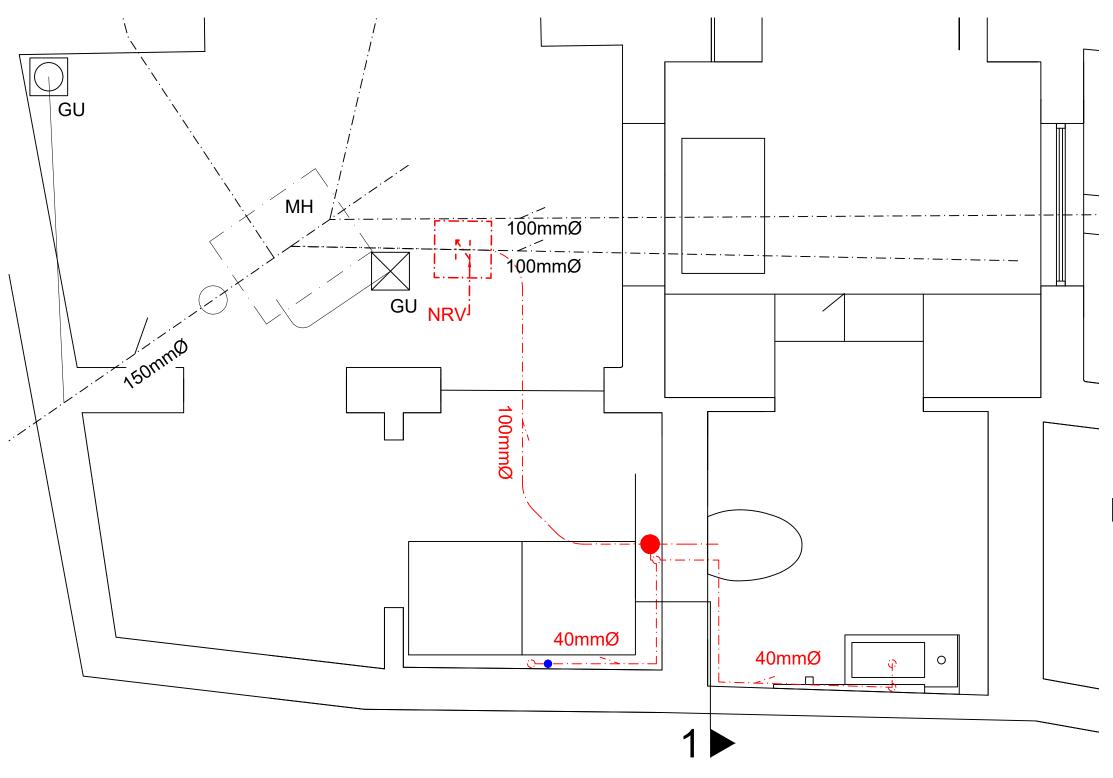


6, 00:02:09, 10.29m Finish node type, major connection without manhole, reference number: MH01 X / THAMES WATER SEWER

Survey Design Services [SDS], Unit 13 & 14 Foundry Business Park - Seager Road, Faversham, Tel: 01795 594110, Fax: 01795 530724

SDS 206472 Chalcot Crescent - Section Reference & Recommendations							
Section No. Inspection No. PLR Upstream Node Downstream Node Comments Recommendations Further Work Requi					Further Work Required		
1	1	MH01X	MH01	MH01 X	SURVEY COMPLETE	NONE	No

Appendix D- Proposed Drainage Layout



Proposed Drainage Layout Scale 1:20

General Notes:

-) All Dimensions are in millimeters unless otherwise noted.
- 2) Do not scale from these drawings, working dimensions to be responsibility of an architect/contractor.
- 3) Architectural details shown are indicative only.
- 4) All drainage to comply with Approved Documents H or alternatively with relevant British Standards
- Workmanship to BS 8000
- Connect to existing drainage using flexible connectors
- 7) Change in the flow direction to be achieved either by long sweep elbow or at 45° angle
- B) Pipes laid in Clay to be of Vitrified Clay

Legend:

Existing drain pipes

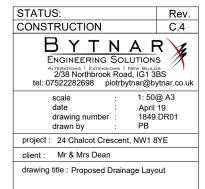
− − New drain pipes

NRV - Proprietary None Return Valve with access chamber to comply with BS EN 13564

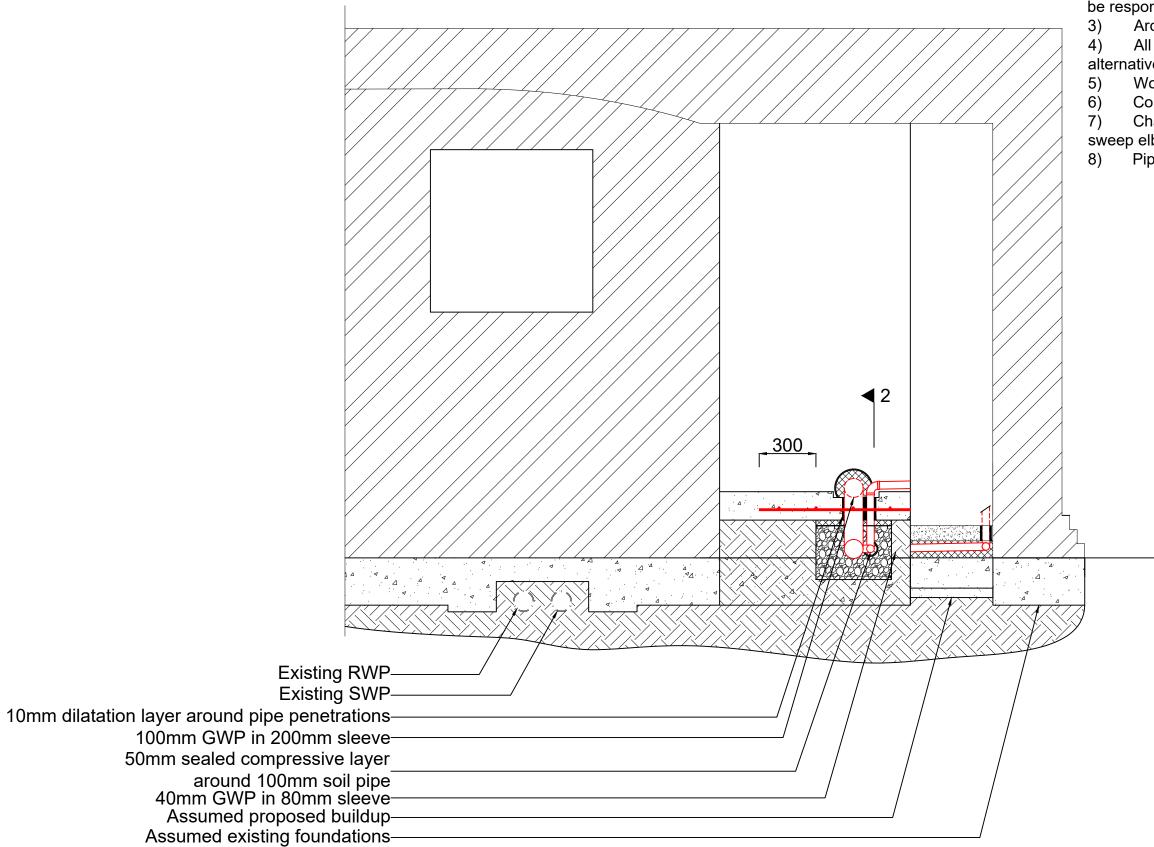
Rodding access for the toilet branch

→ Air Admittance Valve

BY	COMMENTS	DATE
PB	Change of layout	21/03/19
PB	Change of layout	01/04/19
PB	Change of layout	09/04/19



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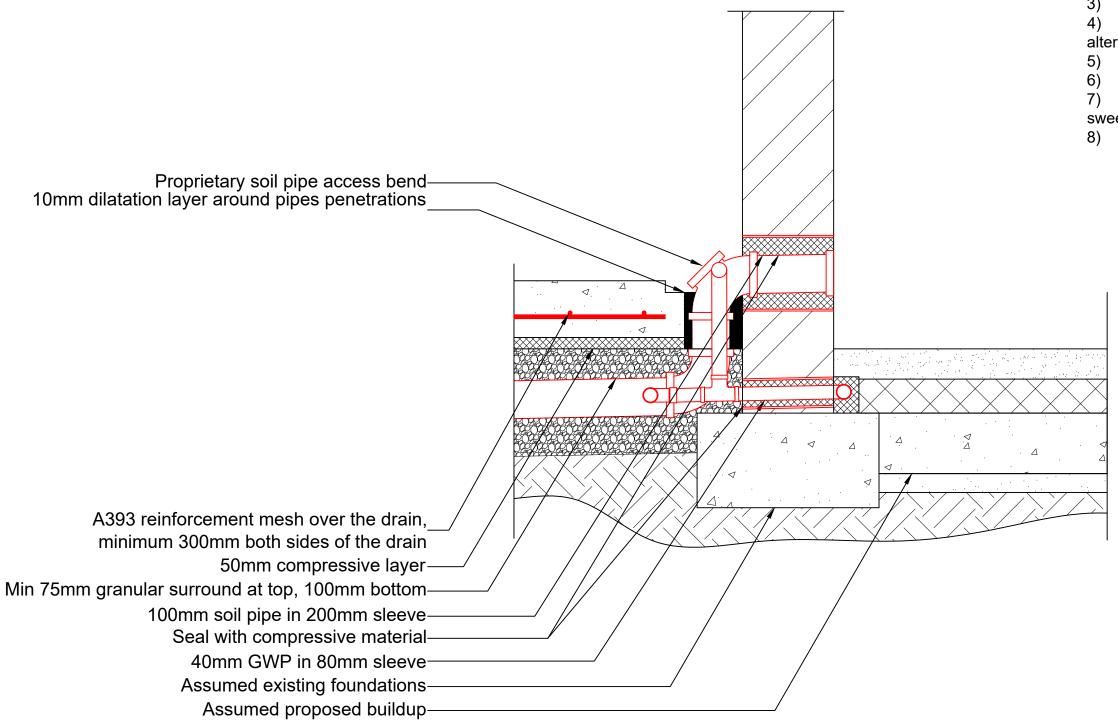
Section 1-1 Scale 1:20

General Notes:

- 1) All Dimensions are in millimeters unless otherwise noted.
- 2) Do not scale from these drawings, working dimensions to be responsibility of an architect/contractor.
- 3) Architectural details shown are indicative only.
- 4) All drainage to comply with Approved Documents H or alternatively with relevant British Standards
- 5) Workmanship to BS 8000
- 6) Connect to existing drainage using flexible connectors
- 7) Change in the flow direction to be achieved either by long sweep elbow or at 45° angle
- 8) Pipes laid in Clay to be of Vitrified Clay

BY	COMMENTS	DATE
PB	Change of layout	21/03/19
PB	Change of layout	01/04/19
PB	Change of layout	09/04/19

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drowing title : Drawaged Coation 4.4	client: Mr & Mrs Dean		
drawing title . Proposed Section 1:1	drawing title : Proposed Sec	tion 1:1	



Section 2-2 Scale 1:10

All Dimensions are in millimeters unless otherwise noted.

- 2) Do not scale from these drawings, working dimensions to
- 3) Architectural details shown are indicative only.

be responsibility of an architect/contractor.

- 4) All drainage to comply with Approved Documents H or alternatively with relevant British Standards
- 5) Workmanship to BS 8000

General Notes:

- Connect to existing drainage using flexible connectors
- 7) Change in the flow direction to be achieved either by long sweep elbow or at 45° angle
- Pipes laid in Clay to be of Vitrified Clay

