

East Thames Housing / Epping Forest District Council Housing Delivery Programme

Feasibility Report

Site: Vere Road, Loughton IG10 3SX

Rev: A

Ref: IJC/srs/612.023 Date: December 2014



Contents

- 1. Introduction and Confirmation of Brief
- 2. Existing Site and Surroundings
- 3. Proposals
- 4. Planning Issues and Risks
- 5. Impact/Implications of Statutory Services
- 6. Site Access and Buildability Issues
- 7. Neighbourly Matters and Party Walls
- 8. Proposed Procurement Route
- 9. Impact on Parking
- 10. Legals
- 11. Costs
- 12. Recommendations and Conclusions

Appendices

- A: Development Proposals Drawings 612.023/P3-12B
- B: Site Photographs
- C: Existing Site Plan 612.023/P3-11A
- D: Statutory Services Information
- E: Information on Possible Contamination
- F: Cost Build-up

Date	Initial
26/11/14	МН
2/12/14	IJC
	26/11/14

Please note:

Unless otherwise stated all drawings, images and diagrams contained within this document are not to scale.

This document is the property and copyright of Pellings LLP

1.0 Introduction and Confirmation of Brief

- 1.1. Pellings LLP are appointed as part of East Thames Group Technical Team in respect of delivery of Development Agent services to Epping Forest District Council for a 6-10 year housing delivery programme.
- 1.2. Following initial appraisal by EFDC, 59 sites have been identified as having possible development potential, with a further number of sites in reserve.
- 1.3. Pellings LLP has been instructed to progress feasibility studies to all 59 sites, which will assist in establishing the extent and timing of the overall programme.
- 1.4. Our instructions are in accordance with our fee tender of 13 August 2012, against the previously prepared tender documentation, and email confirmation of 9 April 2013.

2.0 Existing Site and Surroundings

2.1. The site is located to the north of the Broadway, Debden town centre, 300m north of Debden Underground Station fronting a residential area on the opposite side of Vere Road.

Please see drawing 612.023/P3-11A at Appendix C.

- 2.2. The site is formed of three sites running south west to north east and mainly of hardstanding and which have garages fronting Vere Road. There is public parking surrounding and service access to the shops fronting The Broadway to the rear (south side). The site slopes north to south towards The Broadway. There is a Right of Way through the NE end of the site.
- 2.3. Please refer to Appendix B, Photographs of the existing site, locations cross-referenced to Appendix C.
- 2.4. There is the possibility of a UKPN power cable running through the centre of the 'central'site.
- 2.5. We understand that part of the site is allocated parking associated with the Planning Consent for redevelopment of the Sir Winston Churchill Public House site.
- 3.0 Proposals
- 3.1. Read in conjunction with drawing 612.023 P3-12B attached at Appendix A.
- 3.2. The proposals are:

6 x 2 bed flats @ 70m2

4 x 1 bed flats @ 50m²

Located at the north east end of the site.

16 unallocated parking spaces and garden/landscaped areas. 89 pay and display car parking spaces.

3.3. Our proposals maintain access to the existing garages in the north eastern corner, and also the Funeral Directors at No. 73. The access road to the rear of the shops is also maintained.

3.4. Please note that whilst we have shown formal parking across all three parcels of land, on instructions for EFDC, our costs are provided only for the works as contained within the red-line area on drawing 612.023/P3-12B.

4.0 Planning Issues and Risks

4.1. The adopted Development Plan for Epping Forest Council is the Combined Local Plan 1998 and Local Plan Alterations 2006.

The site is not identified as being within a flood zone.

The site has no other site specific policies however consideration will need to be given to the following policies where they comply with the NPPF:

- ST4 (Road Safety) States the planning permission will only be granted where there will be no adverse effects on the highway, traffic congestion or harm to the character or appearance of the area.
- CP7 (Urban Form and Quality) Encourages the efficient use of existing built-up areas by the 'recycling of vacant, derelict, degraded and underused land to accommodate the redevelopment of and 're-use of urban sites, which are no longer appropriate to their existing or proposed use in the foreseeable future, for alternative land uses'.
- H4A (Dwelling Mix) States the needs for a range of dwellings, including an appropriate proportion of smaller dwellings, to meet identified housing need on a site-by-site basis.

It will be necessary to undertake a parking survey and prepare a transport statement to demonstrate that the loss of parking would not be detrimental to highway conditions or the amenities in the area because of a lack of parking. The site is within the urban area and would comply with policy CP7.

5.0 Impact/Implications of Statutory Services

- 5.1. We have undertaken statutory services enquiries to the following:
 - Southern Gas
 - Cable and Wireless
 - Virgin Media
 - Thames Water
 - BT
 - National Grid
 - Scottish and Southern Energy
 - Environment Agency
 - UK Power Networks
- 5.2. Responses received to date are from the Environment Agency, National Grid, UK Power Networks and Thames Water.
- 5.3. The Environment Agency: No issues
- 5.4. National Grid: No apparatus appears to cross the site
- 5.5. UK Power Networks: There is a possible UKPN power cable crossing the centre of the site.
- 5.6. Virgin Media: No response
- 5.7. Thames Water: No apparatus appears to cross the site.

- 5.8. Open Reach/BT: No apparatus appears to cross the site.
- 6.0 Site Access and Buildability Issues
- 6.1. The site is accessed from existing site roads and there would not appear to be any particular difficulties for the normal level and size of construction traffic associated with a development of this nature.
- 6.2. Areas should be available for contractor's site set up and accommodation, although potentially restrictions on contractors access and operatives may be more onerous than for the outlying other 'garage' type sites and accordingly preliminary costs may be slightly higher.
- 6.3. The site is close to the Town Centre and has retail elements nearby and, accordingly, any appointed contractor should use all best endeavours to act in a considerate manner and within normal working hours.
- 6.4. The site has possible contamination sources from existing garages, and accordingly, suitable site investigation will need to be undertaken ahead of any proposals to take this site forward and specific recommendations made to deal with any contamination found, whether by capping or removal from site.

7.0 Neighbourly Matters and Party Walls

- 7.1. As above, the proposed development site is within a primarily residential and retail area and the appointed contractor should act in a considerate manner. It is proposed that restrictions on working hours, noise levels, requirement for resident and business liaison and similar matters will be included within contract documentation.
- 7.2. From proposals on Drawing 612.023.P3-12B. Party Wall matters would not be relevant to development.

8.0 Proposed Procurement Route

- 8.1. It is understood that development works will be procured by way of the East Thames Housing Group existing contractor framework arrangements.
- 8.2. It is proposed that works shall be procured on a Design and Build basis with the contractors taking forward RIBA Stage 3 planning consent drawings into detailed design and construction delivery on site.
- 8.3. Schemes shall be designed to a set of Employer's Requirements to be subsequently confirmed but which substantially shall be formed from existing East Thames Housing Group Design Standards and Employer's Requirement documentation.
- 8.4. It is proposed that all site preparation works will be included within individual contract packages including any required demolitions, adjustment of statutory services, highways works and boundary maintenance/reinstatement/provision.
- 8.5. On completion of the feasibility studies for the whole programme, further recommendations will be made in terms of how works are packaged to ensure size of work packages are optimised for ensuring maximum economies for East Thames Housing Group and EFDC. Due to the relative size of this scheme compared with other sites, it may be possible that this scheme is a 'stand-alone' single site project.
- 8.6. Works will be administered by Pellings LLP as Employer's Agent acting in accordance with East Thames Housing Group terms of appointment and the overarching requirements of the Development Agency agreement.

9.0 Impact on Parking

- 9.1. The Council's currently adopted parking standards are contained within Essex County Council's Parking Standards Design and Good Practice Guide September 2009. These revised standards were adopted by the Council as statutory planning guidance in February 2012.
- 9.2. Flats and houses have the same parking standard as follows:
 - 1 bedroom accommodation 1 space per dwelling
 - 2 bedroom accommodation and above 2 spaces per dwelling
 - Visitor parking 0.25 spaces per dwelling (rounded up to the nearest whole number)

Note: Reductions of the vehicle standard may be considered if there is development within an urban area (including town centre locations) that has good links to sustainable transport (See Parking Standards in Urban Areas section).

1 to 1 parking has been proposed for the new flats.

- 9.3. This site is conveniently located in an urban area close to Debden Underground Station and has easy access to other forms of public transport which will reduce the demand for private cars.
- 9.4. However, should the site move forward to planning application stages, it is recommended that a Transport Statement be undertaken, including parking surveys, to demonstrate that the loss of the garages will not give rise to any planning or highway problems.

10.0 Legals

- 10.1. At time of writing our report we have not been forwarded a specific Legals Report by EFDC for this site. However for other sites we have been provided with Summary Reports which make reference to the suggested appropriation of land for planning purposes which would extinguish any prior rights of way.
- 10.2. The reports also make reference to possible rights of light risk. A blanket policy against such risk might be considered.
- 10.3. There is reference to an existing right of way on the existing site plan. Whilst our proposals maintain this, further information will be required for any adjustments in respect of the Right of Way.

11.0 **Costs**

- 11.1. It is considered that a budget of £1,330,000 should be allowed for this scheme, inclusive of contractor design fees, but exclusive of professional fees and VAT. Please refer to Appendix F.
- 11.2. As referenced above, costs have been allowed for works as contained within the red line on drawing 612.023/P3-12B.

12.0 Recommendations and Conclusions

12.1. Subject to an overall lifetime cost appraisal, we conclude that the site appears to have economic development opportunities and we recommend is considered for taking forward to planning application stage, with a view to incorporating into the overall programme.

Signed:

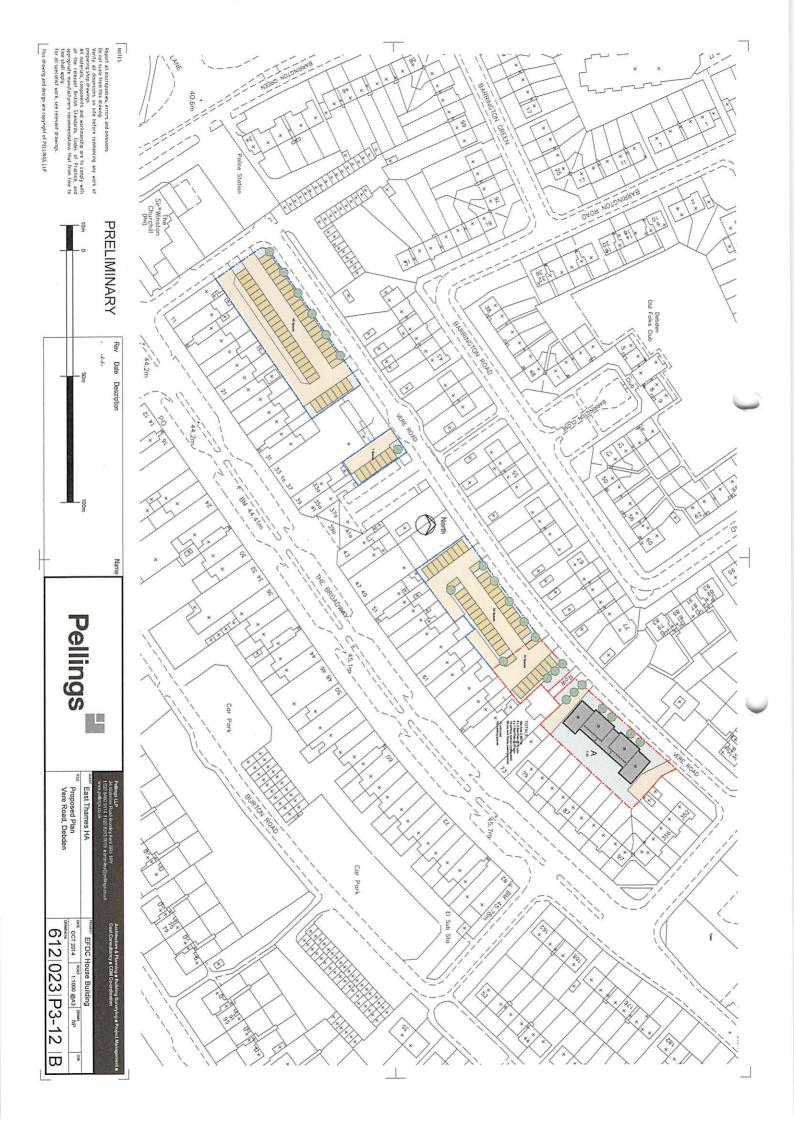
For Pellings LLP

Date:

Appendix A

Development Proposals

Drawings 612.023.P3-12B



Appendix B

Site Photographs



2.





ъ





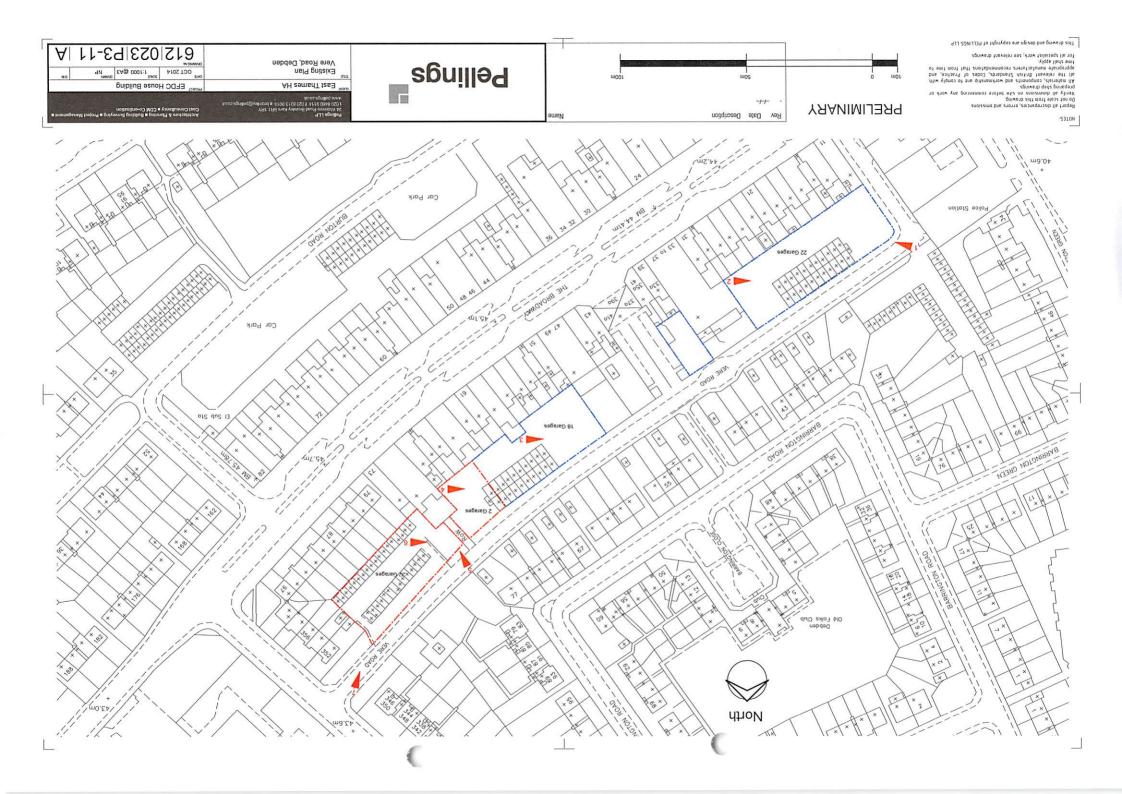
6.





Appendix C

Existing Site Plan



Appendix D

Statutory Services Information



Matthew Hedges Pellings LLP 24 Widmore Road Bromley Kent BR1 1RY Plant Protection National Grid Block 1; Floor 1 Brick Kiln Street Hinckley LE10 ONA E-mail: plantprotection

E-mail: plantprotection@nationalgrid.com Telephone: +44 (0)800 688588

National Grid Electricity Emergency Number: 0800 40 40 90*

National Gas Emergency Number: 0800 111 999* * Available 24 hours, 7 days/week. Calls may be recorded and monitored.

www.nationalgrid.com

Date: 07/10/2014

Our Ref: NL_TE_Z5_3SWP_105126 Your Ref: Vere Road, Loughton (WS)

RE: Proposed Works, IG10 3SX, Vere Road, Loughton, Essex

Thank you for your enquiry which was received on 06/10/2014. Please note this response and any attached map(s) are valid for 28 days.

An assessment has been carried out with respect to National Grid Electricity Transmission plc's and National Grid Gas plc's apparatus. Please note it does not cover the items listed in the section "Your Responsibilities and Obligations". including gas service pipes and related apparatus.

For details of National Grid's network areas please see the National Grid website (http://www.nationalgrid.com/uk/Gas/Safety/work/) or the enclosed documentation.

As your works are at a "proposed" stage, any maps and guidance provided are for information purposes only. This is not approval to commence work. You must submit a "Scheduled Works" enquiry at the earliest opportunity and failure to do this may lead to disruption to your plans and works. National Grid will endeavour to provide an <u>initial</u> assessment within 14 days of receipt of a Scheduled Works enquiry and dependent on the outcome of this, further consultation may be required.

In any event, for safety and legal reasons, works must not be carried out until a Scheduled Works enquiry has been completed and final response received.

Your Responsibilities and Obligations

The "Assessment" Section below outlines the detailed requirements that must be followed when planning or undertaking your scheduled activities at this location.

It is your responsibility to ensure that the information you have submitted is accurate and that all relevant documents including links are provided to all persons (either direct labour or contractors) working for you near National Grid's apparatus, e.g. as contained within the Construction (Design and Management) Regulations.

This assessment solely relates to National Grid Electricity Transmission plc (NGET) and National Grid Gas plc (NGG) apparatus. This assessment does **NOT** include:

- National Grid's legal interest (easements or wayleaves) in the land which restricts activity in proximity to National Grid's assets in private land. You must obtain details of any such restrictions from the landowner in the first instance and if in doubt contact National Grid.
- Gas service pipes and related apparatus
- Recently installed apparatus
- Apparatus owned by other organisations, e.g. other gas distribution operators, local electricity companies, other utilities, etc.

It is **YOUR** responsibility to take into account whether the items listed above may be present and if they could be affected by your proposed activities. Further "Essential Guidance" in respect of these items can be found on the National Grid Website (http://www.nationalgrid.com/NR/rdonlyres/6D6525F9-59EB-4825-BA89-DBD7E68882C7/51319/EssentialGuidance.pdf).

This communication does not constitute any formal agreement or consent for any proposed development work; either generally or with regard to National Grid's easements or wayleaves nor any planning or building regulations applications.

NGG and NGET or their agents, servants or contractors do not accept any liability for any losses arising under or in connection with this information. This limit on liability applies to all and any claims in contract, tort (including negligence), misrepresentation (excluding fraudulent misrepresentation), breach of statutory duty or otherwise. This limit on liability does not exclude or restrict liability where prohibited by the law nor does it supersede the express terms of any related agreements.

If you require further assistance please contact the National Grid Plant Protection team via e-mail (<u>click here</u>) or via the contact details at the top of this response.

Yours faithfully

National Grid Plant Protection Team

ASSESSMENT

Affected Apparatus

The National Grid apparatus that has been identified as being in the vicinity of your proposed works is:

• Low or Medium pressure (below 2 bar) gas pipes and associated equipment. (As a result it is highly likely that there are gas services and associated apparatus in the vicinity)

Requirements

BEFORE carrying out any work you must:

- Carefully read these requirements including the attached guidance documents and maps showing the location of National Grid apparatus.
- Contact the landowner and ensure any proposed works in private land do not infringe National Grid's legal rights (i.e. easements or wayleaves). If the works are in the road or footpath the relevant local authority should be contacted.
- Ensure that all persons, including direct labour and contractors, working for you on or near National Grid's apparatus follow the requirements of the HSE Guidance Notes HSG47 - 'Avoiding Danger from Underground Services' and GS6 – 'Avoidance of danger from overhead electric power lines'. This guidance can be downloaded free of charge at http://www.hse.gov.uk
- In line with the above guidance, verify and establish the actual position of mains, pipes, cables, services and other apparatus on site before any activities are undertaken.

Not to be used. Not to be used. Not to be used. Not to be used.	to be used. Not to be used. Nor to be used. Not to be used.	Not the used Not to be used Not to be used
Not to be used. Not to be used	In barys & Not to be used Not to be	Not to be used. Not the Manuscott Not to be used for construction for construction for Senstruction
Leging level Ookge Englander Works to be used Not t		Not to be used. Not to be used. Not to be used
	To be used Not to be used and to be used Not to be used and to be used Not to be used and to be used Not to be	for construction for construction for construction Not/to be used Not to be used Not to the aspo
ID: NL_TE_Z5_3SWP_105126 View extent: 723m, 393m	Map not to be used for construction	Map 1 of 1 (GAS)
USER: Waheed.Sheikh DATE: 07/10/2014 DATA DATE: 06/10/2014 REF: Vere Road, Loughton (WS) MAP REF: TQ4496 CENTRE: 544219, 196422	This plan shows those pipes owned by National Grid Gas plc in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc., are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by National Grid Gas plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas	MAPS Plot Server Version 1.8.0 nationalgrid Requested by: Pellings LLP
Valve Depth of Syphon Diameter Change Material Change	apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.	This plan is reproduced from or based on the OS map by National Grid Gas plc, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved. Ordnance Survey Licence number 100024886

ENQUIRY SUMMARY

Received Date

06/10/2014

Your Reference

Vere Road, Loughton (WS)

Location

Centre Point: 544219, 196422

X Extent: 232 Y Extent: 190

Postcode: IG10 3SX

Location Description: IG10 3SX, Vere Road, Loughton, Essex

Map Options

Paper Size: A4

Orientation: LANDSCAPE Requested Scale: 1250 Actual Scale: 1:2500 (GAS)

Real World Extents: 723m x 393m (GAS)

Recipients

pprsteam@nationalgrid.com

Enquirer Details

Organisation Name: Pellings LLP Contact Name: Matthew Hedges

Email Address: MHedges@pellings.co.uk

Telephone: 02084609114

Address: 24 Widmore Road , Bromley , Kent , BR1 1RY

Description of Works

feasibilities for site

Enquiry Type

Proposed Works

Activity Type

General Excavation

Work Types

Work Type: Plans Only



Mr. Matthew Hedges Pellings LLP 24 Widmore Road Bromley Kent BR1 1RY



Our Ref: 2014/2169339

Your Ref: 16/10/2014

Dear Sir/Madam

VERE ROAD, LOUGHTON, ESSEX, IG10 35X

Thank you for your letter of 06/10/2014 in which you asked if there are any electric lines and/or electrical plant belonging to UK Power Networks (LPN) plc ("UK Power Networks") within the land identified by your enquiry.

I enclose a copy of UK Power Networks record of its electric lines and/or electrical plant at the site identified by your enquiry. If the records provided do not relate to the land to which you had intended to refer please resubmit your enquiry.

This information is made available to you on the terms set out below.

- 1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
- UK Power Networks does not exclude or limit its liability if it causes the death of any person or causes personal injury to a person where such death or personal injury is caused by its negligence.
- 3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise how for any loss, damage, costs, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
- 4. The information about UK Power Networks electrical plant and/or electric lines provided to you belongs to and remains the property of UK Power Networks. You must not alter it in any respect.
- 5. The information provided to you about the electrical plant and/or electric lines depicted on the plans may <u>NOT</u> be a complete record of such apparatus belonging to UK Power Networks. The information provided relates to electric lines and/or electrical plant belonging to UK Power Networks that it

- a description of the electric line and/or electrical plant to which damage was caused; and
- the name of the person whom it appears to you is responsible for that damage; and
- the nature of the damage

In the East of England or London 0800 780078 (24 Hours).

12. The expression "UK Power Networks" includes UK Power Networks (EPN) plc, UK Power Networks (LPN) plc, UK Power Networks (SEPN) plc, UK Power Networks and any of their successors and predecessors in title.

IF YOU DO NOT ACCEPT AND/OR <u>DO NOT</u> UNDERSTAND THE TERMS OF USE SET OUT IN PARAGRAPHS 1 TO 12 INCLUSIVE ABOVE YOU MUST NOT USE THE PLANS AND RETURN THEM TO ME.

I would remind you that work adjacent to electric lines and/or electrical plant represents a serious risk to health and safety and as such should feature amongst the items you have assessed in your workplace risk assessment and method statement.

I shall be pleased to supply you with further assistance if you require it.

Yours sincerely M Johnson

Martin Johnson - Telephone: 0800 0565 866

Plan Provision

UK Power Networks, Plan Provision, Fore Hamlet, Ipswich, IP3 8AA. Tel: 0800 0565866. 1963782.

Fax: 0870

believes to be present but the plans are <u>NOT</u> definitive: other electric lines and/or electrical plant may be present and that may or may not belong to UK Power Networks.

- 6. Other apparatus not belonging to UK Power Networks is not shown on the plan. It is your responsibility to make your own enquiries elsewhere to discover whether apparatus belonging to others is present. It would be prudent to assume that other apparatus is present.
- 7. You are responsible for ensuring that the information made available to you is passed to those acting on your behalf and that all such persons are made aware of the contents of this letter.
- 8. Because the information provided to you may <u>NOT</u> be accurate, you are recommended to ascertain the presence of UK Power Networks electric lines and/or electrical plant by the digging of trial holes. <u>Trial</u> holes should be dug by hand only.

Excavations must be carried out in line with the Health and Safety Executive guidance document HSG 47. We will not undertake this work. A copy of HSG 47 can be obtained from the Health an Safety Executives website.

All electric lines discovered must be considered LIVE and DANGEROUS at all times and must not be cut, resited, suspended, bent or interfered with unless specially authorised by UK Power Networks.

The electric line and electrical plant belonging to UK Power Networks remains so even when made dead and abandoned and any such electric line and/or electrical plant exposed shall be reported to UK Power Networks.

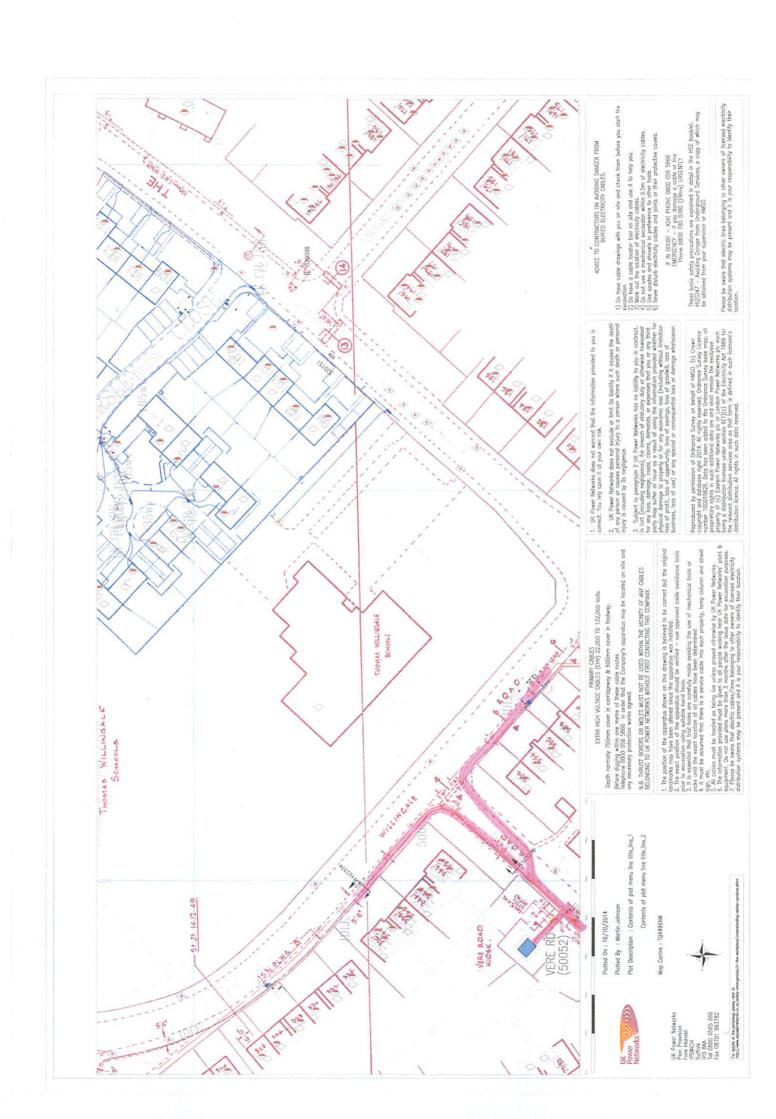
Where your works are likely to affect our electric lines and/or electrical plant an estimate of the price of any protective /diversionary works can be prepared by UK Power Networks Branch at Metropolitan House, Darkes Lane, Potters Bar, Herts., EN6 1AG, telephone no. 0845 2340040

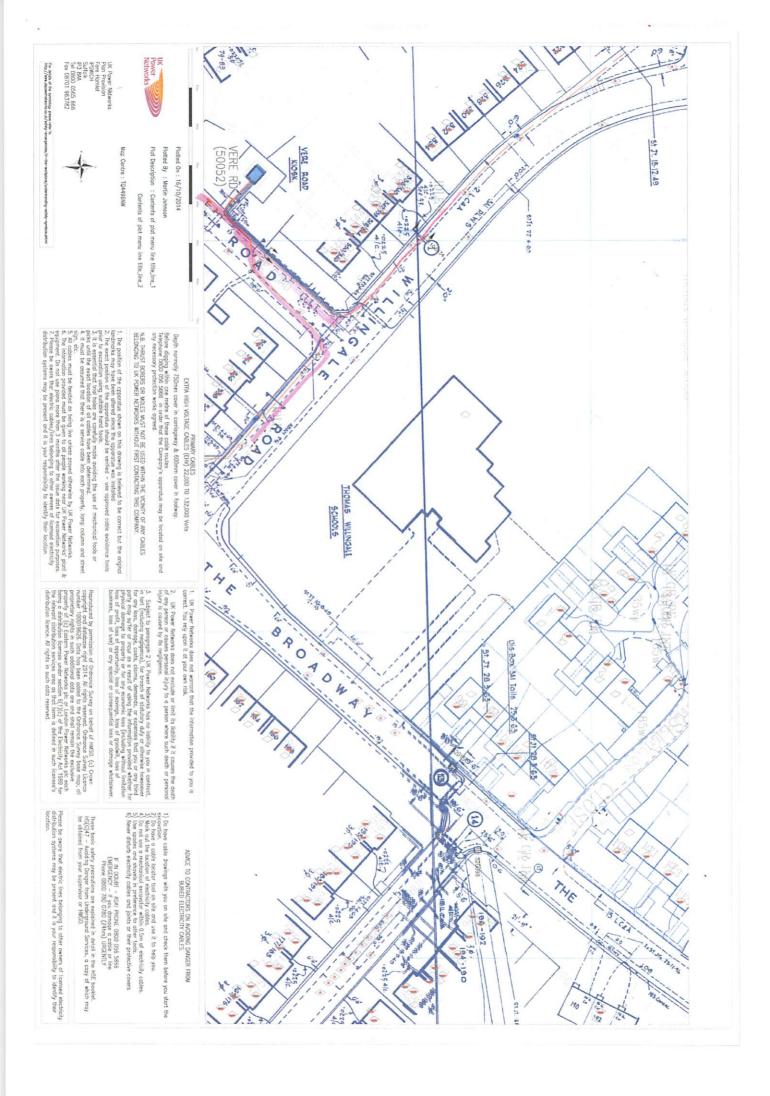
Any work near to any overhead electric lines must be carried out by you in accordance with the Health and Safety Executive guidance document GS6 and the Electricity at Work Regulations.

The GS6 Recommendations may be purchased from HSE Books or downloaded from the Energy Networks Association's website.

If given a reasonable period of prior notice UK Power Networks will attend on site without charge to advise how and where "goal posts" should be erected. If you wish to avail yourself of this service, in the first instance please telephone: 0845 6014516 between 08:30 and 17:00 Monday to Friday, Public and bank holidays excepted.

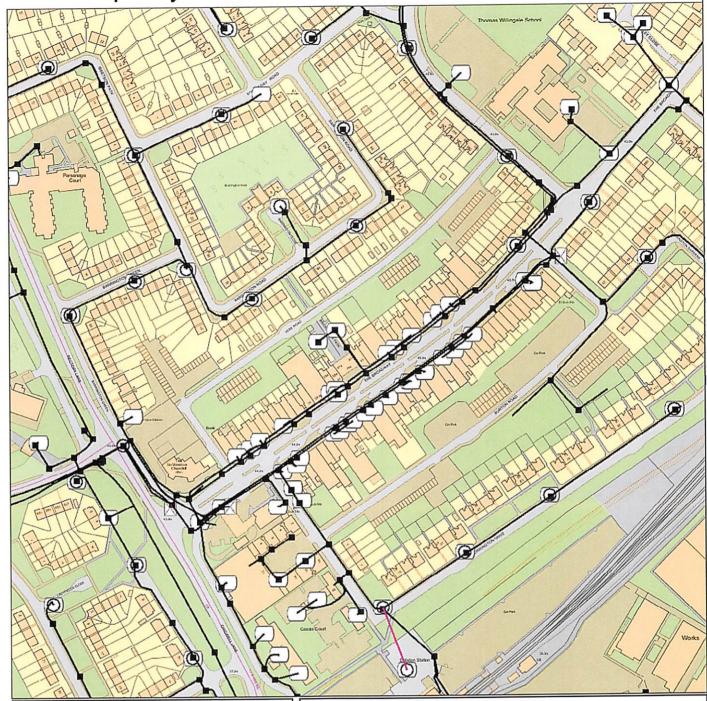
- 10. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.
- 11. If in carrying out work on land in, on, under or over which is installed an electric line and/or electrical plant that belongs to UK Power Networks you and/or anyone working on your behalf damages (however slightly) that apparatus you must inform immediately UK Power Networks by telephone at the number below providing:
 - · your name, address and telephone number; and
 - the date, time and place at which such damage was caused; and







Maps by email Plant Information Reply



IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only.

No guarantee is given of its accuracy.

It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.

DIAL BEFORE YOU DIG

FOR PROFESSIONAL ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS

ADVANCE NOTICE REQUIRED (Office hours: Monday-Friday 08.00 to 17.00)

Tel: 0800 9173993 E-mail: dbyd@openreach.co.uk Website: www.dialbeforeyoudig.com

Reproduced from the Ordnance Survey map by BT by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office (C) Crown Copyright British Telecommunications plc 100028040

Other proposed plant is shown using dashed lines. BT symbols not listed above may be disregarded. Existing BT plant may not be recorded. Information valid at the time of preparation.

OTHER BT BOUNDARY



BT Ref: MHSO4443B

Map Reference : (centre) TQ4422096388 Easting/Northing : (centre) 544220,19638

PROPOSED BOX

Issued: 14/10/2014 16:45:50

FOOTNOTE: WARNING IT IS ESSENTIAL THAT YOU CONTACT NATIONAL NETWORK HANDLING CENTRE BY EMAIL nnhc@openreach.co.uk BEFORE PROCEEDING WITH ANY WORK IN THE HATCHED AREA

Matt Hedges

From: Linda Wooldridge linda.wooldridge@sse.com> on behalf of Mapping Services

<mapping.services@sse.com>

Sent: 30 September 2014 15:53

To: Matt Hedges

Subject: Re: Site Search enquiries

Good Afternoon

Scottish and Southern Energy do not have any Network records within your 31 sites.

Please contact UK Power Network Tel. 08000565866.

Regards

Linda

From: Matt Hedges <MHedges@pellings.co.uk>

To:
Date 29/09/2014 17:12
Subject: Site Search enquiries

Dear Sirs,

I am acting on behalf of Epping Forest District Council to carryout site feasibilities for the attached sites and require the location of any services you may have in or adjacent to them.

I would be grateful if you could supply me with a map showing the location of any of your infrastructure by return of this email.

Thank you in advance for your help with this enquiry,

Kind regards,

Matthew Hedges

Matthew Hedges BA (Hons) BTP MRTPI
Senior Town Planner
Pellings LLP
24 Widmore Road | Bromley | Kent | BR1 1RY
t 020 8460 9114 | m 07776 990869 | f 020 8290 8119 | w www.pellings.co.uk



'Design through Innovation' and 'Community Benefit' Awards for Goat Lees Primary School



Diana Hutchinson

24Widmore Road BROMLEY BR1 1RY

Search address supplied

44219 96389 Vere Road Loughton Essex IG10 3SX

Your reference

N/A

Our reference

ALS/ALS Non Chargeable/2014_2885746

Search date

13 October 2014

You are now able to order your Asset Location Search requests online by visiting www.thameswater-propertysearches.co.uk





Search address supplied: 44219 96389, Vere Road, Loughton, Essex, IG10 3SX

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

There is no fee associated with this enquiry, and thus no payment is required.



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



The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be quaranteed. 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.

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

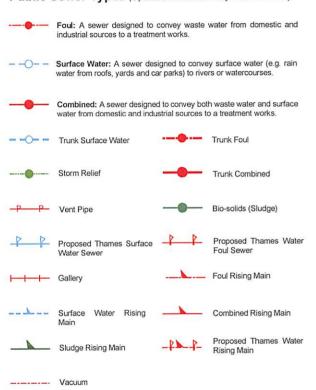
Manhole Reference	Manhole Cover Level	Manhole Invert Level
0503 0501	49.31	46.08
2501	49.39 45.81	45.66
2503	45.72	43,47 43.92
1502	47.16	43.58
1504	47.18	44.03
9501	49.63	47.9
1501 1503	43.51	39.75
0502	43.66 48,19	40.2 46.23
3604	48.23	46.64
061B	n/a	n/a
1602	43.41	41.95
2602	39.7	37.85
1601 2605	43.07	41.13
2502	39.58 47.16	38.3
2606	41.8	45.05 40.37
2601	39.52	36.05
2603	41.84	39.91
3502	43,85	42.1
8501	43.92	41.69
1504	43.26	40.22
1502 1607	43.09 46.83	39.84
1605	46.63	44.63 45.02
608	47.18	44.17
606	47.11	44,64
503	40.39	36.86
1501 1500	40.21	36.26
4509 1510	47.18	43.9
1510 1305	47.24	43.54
306	45.98 46.33	44.85 45.1
307	46.39	45.6
301	45.08	43.06
301	46.86	44.57
303	46.83	45
301	44.26	41.47
302 304	44.29	n/a
302	46.41 48.01	44.42
303	46.78	45.74 45.24
31C	n/a	n/a
31A	n/a	n/a
31B	n/a	n/a
403	n/a	n/a
404 402	49.66	47.79
402 404	49.69 50.49	47.35
406	46.87	49.03 45.18
403	46.82	44.74
41A	n/a	n/a
405	46.61	44.72
403	48.73	46.68
401	48.69	46.14
401 402	50.19	47.89
402 407	50.22 47.2	48.34 45.54
402	46.58	44.26
2303	42.78	40.44
304	42.85	40.94
305	45.04	n/a
302 404	44.96	42.75
404 401	45.94 45.89	44.2
401 201	45.89 n/a	43.71 n/a
202	38.85	37.15
408	45.54	n/a
402	n/a	n/a
41B	n/a	n/a
301 410	43.13	40.99
41A 302	n/a 43.12	n/a
302 41C	43.12 n/a	41.43 n/a
403	45.23	n/a
201	39.19	37.04
401	45.13	n/a
202	n/a	n/a
404 202	43.58	41.9
302 304	39.15	37.16
304 401	n/a 42.2	n/a 39.95
402	n/a	n/a
105	36.57	33.08
102	36.59	33.77
101	38.06	34.81
103	38.12	34.92
105	l 39.78	37.66
104	n/a	n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
9201	42,71	40.59
9202	42.84	40.24
1201	39.79	36.34
1204	39.89	36.59
1206	n/a	n/a
1203	n/a	n/a
0201	n/a	n/a
0203	43.5	n/a
0202	n/a	n/a
1202	43.83	40.14
1205	43.87	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)



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.



Dam Chase

Fitting

Σ 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



Inlet

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.
- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of
- 4) 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.)

Invert Level

1 Summit

Areas

Lines denoting areas of underground surveys, etc.

Agreement

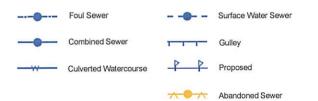
Operational Site

Chamber

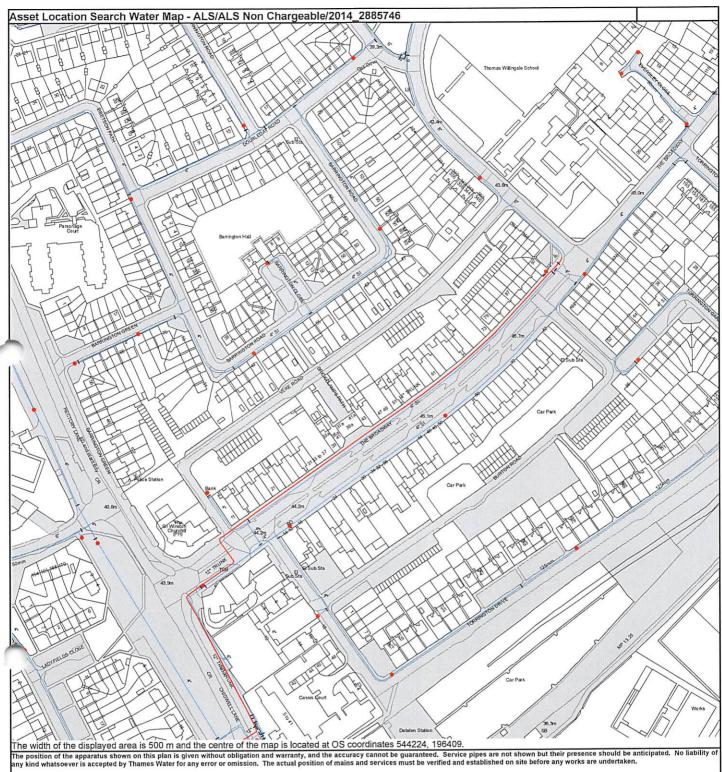
Tunnel

Conduit Bridge

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



Page 9 of 13



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



ALS Water Map Key

Water Pipes (Operated & Maintained by Thames Water)

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.

DEPTH BELOW GROUND				
900mm (3')				
1100mm (3' 8")				
1200mm (4')				

Valves Operational Sites General PurposeValve **Booster Station** Air Valve Other Pressure ControlValve Other (Proposed) Customer Valve Pumping Station Service Reservoir **Hydrants** Shaft Inspection Single Hydrant Treatment Works Meters Unknown Meter Water Tower 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.



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: <u>admin@tpos.co.uk</u>

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

 Σ . Uk Power Networks does not exclude or limit its liability it it causes the death of any person or causes personal injury to a person where such death or personal injury is caused by its negligence. 1) Do have cable drawings with you on site and check them before you start the BURIED ELECTRICITY CABLES. $1.\,$ UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk. ADVICE TO CONTRACTORS ON AVOIDING DANGER FROM 1 2 3 A 11/15 NOTSWIRGIAB O à.r 0409 07 10.0 01 3/

Please be aware that electric lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their position

These basic safety precautions are explained in detail in the HSE booklet. HS(G)47 - Avoiding Danger from Underground Services, a copy of which may be obtained from your supervisor or HMSO.

brove 0800 \\ \text{26} \text{ NSC (\(\frac{1}{2}\) \\ \text{PLP}\) \\ \text{DKCENC}\text{ } - \text{It \(\hat{Aon qawade a caple ot live}\) \\ \text{IL IN DONBL } - \text{VZKI bHONE 0800 020 2860} \end{cases}

excavation.

2) No have a cable locator tool on site and use it to help you.

3) Nork out the location of electricity cables.

5) Use spades and shovels in preference to other tools.

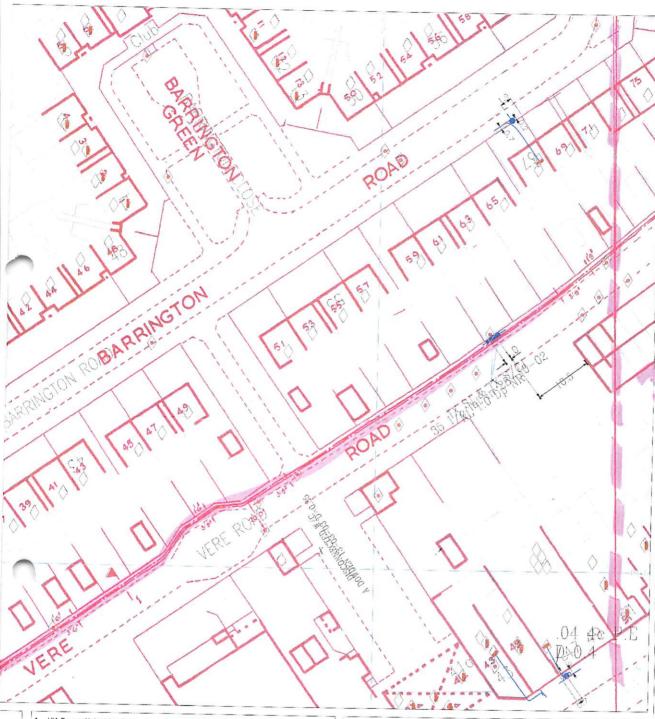
5) Never disturb electricity cables and joints or their protective covers.

6) Never disturb electricity cables and joints or their protective

Reproduced by permission of Ordnance Survey on behalf of HMSO. (c) Crown underlying that ddiobase right 2014. All rights reserved. Ordnance Survey base maps, and unmber 100019626 Data has been added to the Ordnance Survey base map; all proprietory rights in such additional data are and shall remain the exclusive property of (c) Eastern Power Networks plc or Landon Power distribution licensee under section 6(1)(c) of the Electricity Act 1989 for the relevant distribution services area as that term is defined in such licensee's distribution licensee. All rights in such data reserved.

3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise howsoever for any loss, damage, costs, claims, demands, or expenses that you or any thirid party any suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation physical damage to property or for any economic loss (including without limitation protein damage to property or for any economic loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.

38



- UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
- 2. UK Power Networks does not exclude or limit its liability if it causes the death of any person or causes personal injury to a person where such death or personal injury is caused by its negligence.

and

inal

eet

nt &

3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise howsoever for any loss, damage, costs, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.

Reproduced by permission of Ordnance Survey on behalf of HMSO. (c) Crown copyright and database right 2014. All rights reserved. Ordnance Survey Licence number 100019626. Data has been added to the Ordnance Survey base map; all proprietary rights in such additional data are and shall remain the exclusive property of (c) Eastern Power Networks plc or London Power Networks plc each being a distribution licensee under section 6(1)(c) of the Electricity Act 1989 for the relevant distribution services area as that term is defined in such licensee's distribution licence. All rights in such data reserved.

ADVICE TO CONTRACTORS ON AVOIDING DANGER FROM BURIED ELECTRICITY CABLES.

- 1) Do have cable drawings with you on site and check them before you start the 1) Do have cable drawings with you on site and check them before you excavation.
 2) Do have a cable locator tool on site and use it to help you.
 3) Mark out the location of electricity cables.
 4) Do not use a mechanical excavator within 0.5m of electricity cables.
 5) Use spades and shovels in preference to other tools.
 6) Never disturb electricity cables and joints or their protective covers.

IF IN DOUBT - ASK! PHONE 0800 056 5866 EMERGENCY - If you damage a cable or line Phone 0800 780 0780 (24hrs) URGENTLY

These basic safety precautions are explained in detail in the HSE booklet. HS(G)47 — Avoiding Danger from Underground Services, a copy of which may be obtained from your supervisor or HMSO.

Please be aware that electric lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their

Appendix E

Information on Possible Contamination

Information on possible contamination has been forwarded by Epping Forest District Council by way of email of 22nd May 2013, giving information on potential contamination across all the primary sites.

This clarifies possible ground contamination derived from asbestos, made ground, hydrocarbons, petroleum hydrocarbons and the like.

It is likely that any Planning Consent will carry a Condition that all contamination issues are to be remediated.

Accordingly, we recommend that initial site investigation is undertaken for all sites that move forward to Planning Applications.

Appendix F

Cost Build-up

FEASIBILITY ESTIMATE (Issue 01, Rev A)

East Thames HA

Vere Road, Debden



Accommodation Summary	Nr	m2	ft2
Affordable Apartments Affordable Houses	10	744	8,008] see accommodation
TOTAL GIFA	10	744	8.008

1.00 Enabling Works 1.01 Demolition of existing garages 34 Nr £650 1.02 Allowance for removal of asbestos 34 Nr £350 1.03 Site clearance 1,607 m2 £15 Sub-total 2.00 Construction 2.01 Apartments Frivate areas Private areas 620 m2 £1,150 Communal areas (20% allowed) 124 m2 £750 2.02 Houses m2 £1,050 3.00 Abnormals 3.01 Allowance for contaminated ground 3.02 Extra Over for wall:floor ratio (> 85%) m2 £250 r 3.03 Allowance for enhanced external wall finish 1,118 m2 £30 £30 3.04 Extra for wheelchair unit adaptations Nr £6,000 r 3.05 Passenger lift serving apartments Nr £75,000 r 3.06 Measures to achieve CfSH Level 4 10 Nr £2,500 Assu 3.07 Balconies (average 4m2 each) 6 Nr £2,200			8,008	744		10			101712 01171	
1.00 Enabling Works 1.01 Demolition of existing garages 34 Nr £650 1.02 Allowance for removal of asbestos 34 Nr £350 1.03 Site clearance 1,607 m2 £15 E15							349		BUDGET COST ALLOWANCES	
1.00 Enabling Works 1.01 Demolition of existing garages 34 Nr £650 1.02 Allowance for removal of asbestos 34 Nr £350 1.03 Site clearance 1,607 m2 £15 E15		7	D-4- T		l lait	, 1	Oth		Description	Item
1.01 Demolition of existing garages 1.02 Allowance for removal of asbestos 1.03 Site clearance 1.607 m2 E15 2.00 Construction 2.01 Apartments Private areas Communal areas (20% allowed) 2.02 Houses 2.03 Abnormals 3.04 Abnormals 3.04 Extra Over for wall:floor ratio (> 85%) 3.05 Passenger lift serving apartments 3.06 Measures to achieve CfSH Level 4 3.07 Balconies (average 4m2 each) 3.08 PV panels to roof 3.09 Extra Over for thin joint construction 4.00 External Works (see build up overleaf) 5.00 Contractor's Preliminaries 5.01 Site set up, running costs, management, etc. 78 weeks 5.02 Scaffolding 714 m2 £30 5ub-total £/m2 £/fl2	IS	Totals	Rate		Onit	у	Qty			CH 0
1.02 Allowance for removal of asbestos 1.03 Site clearance 1.067 m2 £15 Sub-total 2.00 Construction 2.01 Apartments Private areas Communal areas (20% allowed) 2.02 Houses 2.03 Abnormals 3.04 Abnormals 3.04 Extra Over for wall:floor ratio (> 85%) 3.03 Allowance for enhanced external wall finish 3.04 Extra for wheelchair unit adaptations 3.05 Passenger lift serving apartments 3.06 Measures to achieve CfSH Level 4 3.07 Balconies (average 4m2 each) 3.08 PV panels to roof 3.09 Extra Over for thin joint construction 4.00 External Works (see build up overleaf) 5.00 Contractor's Preliminaries 5.01 Site set up, running costs, management, etc. 5.02 Scaffolding 5.03 Hoardings 1.643 153 1.643 153	2020 0					0.4				
1.03 Site clearance	£22,100								2 Allowance for removal of ashestes	1.0
2.00 Construction Sub-total	£11,900									
2.00 Construction 2.01 Apartments Private areas Communal areas (20% allowed) 2.02 Houses 2.02 Houses 2.03 Abnormals 3.01 Allowance for contaminated ground 3.02 Extra Over for wall:floor ratio (> 85%) 3.03 Allowance for enhanced external wall finish 3.04 Extra for wheelchair unit adaptations 3.05 Passenger lift serving apartments 3.06 Measures to achieve CfSH Level 4 10 Nr £75,000 r. 2.500 3.07 Balconies (average 4m2 each) 3.08 PV panels to roof 3.09 Extra Over for thin joint construction 4.00 External Works (see build up overleaf) 5.01 Site set up, running costs, management, etc. 5.02 Scaffolding 5.03 Hoardings 241 m £60 Sub-total E/m2 £/fi2 INDICATIVE CONSTRUCTION COST (Excluding FF&E, Fees, etc.)	£24,110 £58,110			_	m2	1,007			7 One dearance	1.0
Private areas	200,110		Sub-total) Construction	2.0
Communal areas (20% allowed) 124 m/2									l Apartments	2.0
Communal areas (20% allowed)	£713,000		£1,150		m2	620				
3.00 Abnormals 3.01 Allowance for contaminated ground 1tem 3.02 Extra Over for wall:floor ratio (> 85%) m2 £250 m3 Allowance for contaminated ground 118 m2 £30 m3 Allowance for enhanced external wall finish 1,118 m2 £30 m3 Allowance for enhanced external wall finish 1,118 m2 £30 m3 Allowance for enhanced external wall finish 1,118 m2 £30 m3 Allowance for enhanced external wall finish 1,118 m2 £30 m3 Allowance for enhanced external wall finish 1,118 m2 £30 m7 £6,000 m7 £6,000 m7 £75,000 m7 £75,000 m7 £75,000 m7 £2,500 m8 Assults (average 4m2 each) 6 Nr £2,200 m2 £750 m3 Allowances (average 4m2 each) 6 Nr £2,200 m2 £750 m3 Allowances (average 4m2 each) m3 Allowances (average 4m2 each) m3 Allowances (average 4m2 each) m2 £750 m3 Allowances (average 4m2 each) m3 Allowances (avera	£93,000				m2	124			Communal areas (20% allowed)	
3.00 Abnormals 3.01 Allowance for contaminated ground 3.02 Extra Over for wall:floor ratio (> 85%) 3.03 Allowance for enhanced external wall finish 3.04 Extra for wheelchair unit adaptations 3.05 Passenger lift serving apartments 3.06 Measures to achieve CfSH Level 4 3.07 Balconies (average 4m2 each) 3.08 PV panels to roof 3.09 Extra Over for thin joint construction 4.00 External Works 3.01 Site set up, running costs, management, etc. 3.02 Scaffolding 3.03 Levin for thin joint construction 3.04 Item 3.05 Passenger lift serving apartments 3.06 Measures to achieve CfSH Level 4 3.07 F2,500 4.08 PV panels to roof 4.09 Extra Over for thin joint construction 4.00 External Works 4.00 External Works 4.00 External Works 5.01 Site set up, running costs, management, etc. 5.02 Scaffolding 5.03 Hoardings 5.04 Imm 5.05 Sub-total 5.06 Imm factor fits an apartment for the fits of the f			£1,050	· ·	m2				? Houses	2.02
3.01 Allowance for contaminated ground 3.02 Extra Over for wall:floor ratio (> 85%) 3.03 Allowance for enhanced external wall finish 3.04 Extra for wheelchair unit adaptations 3.05 Passenger lift serving apartments 3.06 Measures to achieve CfSH Level 4 3.07 Balconies (average 4m2 each) 3.08 PV panels to roof 3.09 Extra Over for thin joint construction 4.00 External Works 3.01 Site set up, running costs, management, etc. 5.02 Scaffolding 5.03 Hoardings 5.04 Hoardings 5.05 Sub-total E/m2 E/m3 E/m2 E/m2 E/m2 E/m3 E/m2 E/m3	£806,000		Sub-total						Abnormala	2.00
3.02 Extra Over for wall:floor ratio (> 85%) 3.03 Allowance for enhanced external wall finish 3.04 Extra for wheelchair unit adaptations 3.05 Passenger lift serving apartments 3.06 Measures to achieve CfSH Level 4 3.07 Balconies (average 4m2 each) 3.08 PV panels to roof 3.09 Extra Over for thin joint construction 4.00 External Works (see build up overleaf) 5.01 Site set up, running costs, management, etc. 5.02 Scaffolding 5.03 Hoardings 714 m2 £30 5.04 Sub-total Elm2 £/ft2 INDICATIVE CONSTRUCTION COST (Excluding FF&E, Fees, etc.)					16000000					
3.03 Allowance for enhanced external wall finish 3.04 Extra for wheelchair unit adaptations 3.05 Passenger lift serving apartments 3.06 Measures to achieve CfSH Level 4 3.07 Balconies (average 4m2 each) 3.08 PV panels to roof 3.09 Extra Over for thin joint construction 4.00 External Works 5.01 Site set up, running costs, management, etc. 5.02 Scaffolding 5.03 Hoardings 714 m2 £30 5.04 Sub-total Explain the first serving apartments 78 weeks 51,450 5.02 Scaffolding 5.03 Hoardings 81,450 5.04 Sub-total Explain the first serving apartments 78 weeks 51,450 5.02 Scaffolding 5.03 Hoardings 81,450 5.04 Sub-total Explain the first serving apartments 78 weeks 51,450 5.00 Sub-total Explain the first serving apartments 82,500 84,500	Excluded		0050							
3.04 Extra for wheelchair unit adaptations 3.05 Passenger lift serving apartments 3.06 Measures to achieve CfSH Level 4 3.07 Balconies (average 4m2 each) 3.08 PV panels to roof 3.09 Extra Over for thin joint construction 4.00 External Works (see build up overleaf) 5.00 Contractor's Preliminaries 5.01 Site set up, running costs, management, etc. 5.02 Scaffolding 5.03 Hoardings 714 m2 £30 5.04 Sub-total E/m2 £/ft2 INDICATIVE CONSTRUCTION COST (Excluding FF&E, Fees, etc.)	o allowance	no				1 110		ich		
3.05 Passenger lift serving apartments 3.06 Measures to achieve CfSH Level 4 3.07 Balconies (average 4m2 each) 3.08 PV panels to roof 3.09 Extra Over for thin joint construction 4.00 External Works Sub-total 4.00 Contractor's Preliminaries 5.01 Site set up, running costs, management, etc. 5.02 Scaffolding 5.03 Hoardings Sub-total Elm2 Elm2 Elm2 Elm2 Elm2 Elm2 Elm2 Elm2 INDICATIVE CONSTRUCTION COST (Excluding FF&E, Fees, etc.)	£33,534					1,110		1511		
3.06 Measures to achieve CfSH Level 4 3.07 Balconies (average 4m2 each) 3.08 PV panels to roof 3.09 Extra Over for thin joint construction 4.00 External Works (see build up overleaf) 5.01 Site set up, running costs, management, etc. 5.02 Scaffolding 5.03 Hoardings 714 m2 £30 5.04 Hoardings 714 m2 £30 5.05 Sub-total Et/m2 Et/ft2 INDICATIVE CONSTRUCTION COST (Excluding FF&E, Fees, etc.)	o allowance o allowance		100 to 10							
3.07 Balconies (average 4m2 each) 6 Nr £2,200 3.08 PV panels to roof m2 £750 r 3.09 Extra Over for thin joint construction 20 Nr £400 Sub-total 4.00 External Works (see build up overleaf) 5.00 Contractor's Preliminaries 5.01 Site set up, running costs, management, etc. 78 weeks £1,450 5.02 Scaffolding 714 m2 £30 5.03 Hoardings 241 m £60 Sub-total INDICATIVE CONSTRUCTION COST £/m2 £/ft2 INDICATIVE CONSTRUCTION COST (Excluding FF&E, Fees, etc.)	nes Code 3	100				10				
3.08 PV panels to roof 3.09 Extra Over for thin joint construction 20 Nr £400 Sub-total 4.00 External Works (see build up overleaf) 5.00 Contractor's Preliminaries 5.01 Site set up, running costs, management, etc. 5.02 Scaffolding 714 m2 £30 5.03 Hoardings 241 m £60 Sub-total INDICATIVE CONSTRUCTION COST £/ft2 1,643 153	£13,200	Assum								
3.09 Extra Over for thin joint construction 20 Nr £400 Sub-total 4.00 External Works (see build up overleaf) 5.00 Contractor's Preliminaries 5.01 Site set up, running costs, management, etc. 5.02 Scaffolding 714 m2 £30 5.03 Hoardings 241 m £60 Sub-total INDICATIVE CONSTRUCTION COST (Excluding FF&E, Fees, etc.)	allowance	no:				Ü				
4.00 External Works (see build up overleaf) 5.00 Contractor's Preliminaries 5.01 Site set up, running costs, management, etc. 78 weeks £1,450 5.02 Scaffolding 714 m2 £30 5.03 Hoardings 241 m £60 Sub-total INDICATIVE CONSTRUCTION COST (Excluding FF&E, Fees, etc.) 1,643 153	£8,000	110				20			Extra Over for thin joint construction	3.09
5.00 Contractor's Preliminaries 5.01 Site set up, running costs, management, etc. 5.02 Scaffolding 5.03 Hoardings 714 m2 £30 241 m £60 Sub-total INDICATIVE CONSTRUCTION COST (Excluding FF&E, Fees, etc.)	£54,734		Sub-total							
5.01 Site set up, running costs, management, etc. 5.02 Scaffolding 5.03 Hoardings 714 714 714 714 714 716 716 8 8 8 8 8 8 8 9 1,450 8 8 8 8 8 8 8 8 8 8 8 8 8	£154,585				erleaf)	d up ov	ee build	(se	External Works	4.00
5.01 Site set up, running costs, management, etc. 5.02 Scaffolding 5.03 Hoardings 714 714 714 714 714 716 716 8 8 8 8 8 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1									Contractor's Proliminaries	5.00
5.02 Scaffolding 714 m2 £30 5.03 Hoardings 241 m £60 Sub-total INDICATIVE CONSTRUCTION COST 1,643 153 (Excluding FF&E, Fees, etc.)	0440 400		C4 450		waalea	70		oto		
241 m £60 Sub-total	£113,100							eic.		
Sub-total £/m2 £/ft2	£21,406									
INDICATIVE CONSTRUCTION COST 1,643 153 (Excluding FF&E, Fees, etc.)	£14,472 £148,977					241				
INDICATIVE CONSTRUCTION COST 1,643 153 (Excluding FF&E, Fees, etc.)			£/ft2		£/m2					
	1,222,406		100000000000000000000000000000000000000	643						
6.00 Other Costs									(Excluding FF&E, Fees, etc.)	
									Other Costs	6.00
6.01 Client FF&E (white goods, etc.)	Excluded				Item				Client FF&E (white goods, etc.)	6.01
6.02 Telecoms / ICT / Security Item	Excluded				Item				Telecoms / ICT / Security	6.02
6.03 Contingency Allowance 5.0%	£61,120		5.0%						Contingency Allowance	6.03
6.04 Contractor's Design Fees 4.5%	£48,304		4.5%						Contractor's Design Fees	6.04
Totals	£1,331,830	£1					otals	To		
£/unit £/m2	,001,000	2.	f/m2		£/unit					
TOTAL INDICATIVE BUDGET COST (say) 133,000 1,788	£1,330,000	£1		000			ay)	(sa	TOTAL INDICATIVE BUDGET COST	
Refer to below for Clarifications, Assumptions and Exclusions	- , ,	~.	.,		, -				Refer to helow for Clarifications Assumption	

Vere Road, Debden



2 Communal soft landscaping 3 Semi mature trees 4 Allowance for communal drying area 5 Access road, parking and turning 6 Pedestrian paving 7 Cross over / highways adaptions	297 12 1 411 254	m2 m2 Nr Nr m2	£45 £25 £450 £3,500 £65	£7,43 £5,40 £3,50 £26,71
3 Semi mature trees 4 Allowance for communal drying area 5 Access road, parking and turning 6 Pedestrian paving 7 Cross over / highways adaptions	12 1 411	Nr Nr m2	£25 £450 £3,500	£5,40 £3,50
4 Allowance for communal drying area 5 Access road, parking and turning 6 Pedestrian paving 7 Cross over / highways adaptions	1 411	Nr m2	£450 £3,500	£5,40 £3,50
5 Access road, parking and turning 6 Pedestrian paving 7 Cross over / highways adaptions		m2	£3,500	£3,50
Pedestrian paving Cross over / highways adaptions				
7 Cross over / highways adaptions	254	0	(57)(5/15)	
		m2	£45	include
	3	Nr	£4,500	£13,50
B Boundary treatment (fencing/walls)	241	m	£120	£28,94
External bins store	1	Nr	£2,500	£2,50
Cycle store	10	Nr	£1,500	£15,00
Foul water drainage	744	m2	£75	include
2 External surface water drainage	665	m2	£40	£26,58
3 Attenuation tanks, etc		Item		exclude
Utilities mains supplies	10	Nr	£2,500	£25,00
New Substation		Nr		Exclude
			Sub-total	£154,58

Description	Nr	GIA	Sub-Totals	Totals
Flats/Maisonettes				
1B 2P Flat	4 Nr	50 m²	200	
2B 4P Flat	6 Nr	70 m ²	420	
	10 Nr).	620	
Allowance for communal space		20%	124	744
Houses				
2B 4P House				
3B 5P House				
		-		
	10 Nr			744

CLARIFICATIONS AND ASSUMPTIONS

Estimate based on:

Pellings Drawings 612.023 P3-11A and 12A

We have not had an opportunity to visit the site but photographs have been made available. We have also utilised Google Earth to inform allowances.

GIFA is approximate due to early stage of design

Costs are based on a Q4 2014 start on site (e.g. no allowance for inflation)

Costs are based on a Single Stage Competitive D&B procurement route

Costs are based on a Contractor 'best programme' contract period

All units assumed to achieve Code for sustainable Homes Level 3

Cost include for OH&P @ 7%

It is assumed that a traditional construction (concrete strip foundations, brick/block walls, timber or beam / block floor structure, tiled sloping or single membrane flat roofing solutions) will be used

Contractors design fees are based upon appointment with planning consent under JCT D&B contract

Assumed no Party Wall or Rights of Lights issues

Assumed no Asbestos removal required, unless otherwise stated

No allowance has been made for designated child play space

Exclusions

Clients professional fees (including statutory fees)

VAT

Excludes any off-site works

Provision of loose fittings and furnishings

Car Park barriers, signage, CCTV and payment machines to pay and display parking areas

Costs of compliance of any conditions imposed by statutory bodies

Costs of Section 106, 278 and other Agreement(s) or Community Infrastructure Levy charges

FEASIBILITY ESTIMATE (Issue 01, Rev A)

East Thames HA

Vere Road, Debden



Commercial Commentary

PLLP is mindful that the construction industry is becoming increasingly volatile. We are seeing increasingly lengthy lead in times for materials (in particular due to reduced brick and block stocks) which is having an effect on tender prices.

That said this project is likely to be attractive to the Contractors' various supply chains and should therefore stimulate an element of healthy competition.

However, we would suggest that the Client retains a reasonable, undeclared Contingency to offset the potential risk that market forces will increase tender prices.

Pellings LLP

Architecture & Planning ■ Interior Design ■ Building Surveying ■ Project Management ■

Cost Consultancy ■ Health & Safety

24 Widmore Road Bromley Kent BR1 1RY t 020 8460 9114 e bromley@pellings.co.uk