APPENDIX G  FULCRUM CORRESPONDENCE
Afternoon Cheryl,

I have spoken to my colleagues in design and my Business Development Manager Sian Spencer.

For the project below a budget cost of circa £450,000.00.

We could provide a design for this, but this would be for a design fee of £650.00, which covers Asset Value applications and Reinforcement investigation

If you have any further queries, or any further requests in relation to this project please do not hesitate to contact myself or Sian Spencer, who I have Cc’d in to this email

Kind Regards

Gordon Newman
Sales Support

FULCRUM NEWS

NEW WEBSITE
Our new website is now live. Take a look.

NEW SALES FORCE
We’ve put in place a new network of experienced Business Development Managers. Find your BDM.
Hi Gordon,

Please find attached a site plan and the response I have had from national grid with regard to capacity. I’d be grateful if you could provide a budget cost for gas connections.

We have allowed for the following loads:

**Community/commercial**
- allowed 17000m² of commercial at 60W/m² = 1020 kW peak
- Allow 20kWh/m²/annum = 341720 kWh/annum

**School**
- allowed 2700m² at 80W/m² = 260kW
- Allow 55 kWh/m²/annum = 148500kWh/annum

**Domestic**
- 900 dwellings
- Annual load in the region of 6,289,200

We are aware of a LHP main running across the site. As there are no layouts of the site, I do not know the effect this may have so please assume this will be left as is for now.

If you require any further info, let me know and I’ll do my best to sort out.

Regards,

Cheryl Forrester
The Fulcrum Group does not accept any liability for viruses. An e-mail reply to this address may be subject to monitoring for operational reasons or lawful business practices.

This email has been scanned by the Symantec Email Security.cloud service. For more information please visit http://www.symanteccloud.com
Please find attached an application and site plan for a new green field housing development site in the feasibility stage. There will be approximately 900 dwellings, a primary school and some commercial units. There are no further details with respect to site layout, roads etc.

Please can you advise on outline budget costs for water infrastructure and confirm whether envisaged loads can be met by the existing local network, if new mains are required and whether there is any existing plant/pipework belonging to Veolia water on the site.

The postcode of the site is approximately HP1 2SE and the grid reference approximately TL 03033 07254

A previous enquiry was submitted last year for this area with a smaller development area (your ref NC35976 – Fields End (HP1)) however the scheme has now expanded to a larger area with a greater number of dwellings and a revised enquiry is required.

If you have any queries, please don’t hesitate to contact me on the details below.

Regards,
Cheryl Forrester
application for a new or replacement water connection  
from your property to an existing water main

Complete this application form if you require a new or replacement water connection(s) from your development to an existing water main for supply pipe sizes up to and including 63mm diameter. Please ensure that you complete all sections of this application form in full and where necessary attach additional information to the form. This will allow us to process your application quickly and provide you with a more accurate cost estimate for your new connection(s). For advice on how to complete this application form please refer to our accompanying document, “your guide to completing an application for a new or replacement water connection”. 

Please note that incomplete or incorrectly complete applications may result in a delay to your application being processed. Upon receipt of this form, we will review your request and write to you within 3 working days of receipt to advise you that your application has been accepted, or we require more information to proceed with your request. 

PLEASE COMPLETE THE APPLICATION FORM IN INK AND USE BLOCK CAPITALS

Section A – Applicant Details

Which address should we use for all correspondence relating to this connection?

<table>
<thead>
<tr>
<th>Applicant name:</th>
<th>CHERYL FORRESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full postal address:</td>
<td>UNIT 1, LIBRARY AVENUE, HARWELL, OXFORD, DIDCOT, OX11 0SG</td>
</tr>
<tr>
<td>Telephone number:</td>
<td>01235 820 300</td>
</tr>
<tr>
<td>Email address:</td>
<td><a href="mailto:CHERYL.FORRESTER@ELEMENTACONSULTING.COM">CHERYL.FORRESTER@ELEMENTACONSULTING.COM</a></td>
</tr>
</tbody>
</table>

Which form of written correspondence would you prefer?  
letter ☐  email ☑  Please check this box if you are happy to be contacted by us to provide feedback: Yes ☐

Please provide your mobile phone number if you wish to receive text updates about the status of your application  
Mobile number: 

Section B – Invoice and Billing Details

Where should we send invoice information?  
same as applicant ☑  different to applicant ☐  (please complete section below if different)

Invoice name: 
Full postal address: 
Email address: 

Section C – Your Existing Supply

Please provide information about your existing supply:

(i) Has the site/property had a water supply within the last 5 years?  
Yes ☑  No ☐  If no, please ignore this section and continue to Section D

(ii) If yes to (i), is the supply still connected to the Veolia Water Central network?  
Yes ☑  No ☐  Don't Know ☐

(iii) If yes to (i), please provide your Veolia Water Central Customer Reference Number: 

(iv) Please provide details of the fittings that are or were in each property currently or previously.

<table>
<thead>
<tr>
<th>Type of Fitting</th>
<th>Property 1</th>
<th>Property 2</th>
<th>Property 3</th>
<th>Property 4</th>
<th>Property 5</th>
<th>Loading Units (LU)</th>
<th>Total LU per property</th>
</tr>
</thead>
<tbody>
<tr>
<td>w/c flushing</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>wash basin in house</td>
<td>1.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>wash basin elsewhere</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>bath (tap size 20mm)</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>bath (tap size &gt; 20mm)</td>
<td>22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>shower</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sink (tap size 15mm)</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sink (tap size &gt;15mm)</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>spray tap</td>
<td>0.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>bidet</td>
<td>1.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>domestic appliance</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>communal/commercial appliance</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>any other water fitting (including tap but excluding urinal or water softener)</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Section D (a) – New Supply Details

(i) Please provide us with the location details of your proposed development?

Full postal address: LONG CHAUDON/CHAUDON LANE, HEMEL HEMPSTEAD
Post Code: HP1 2SE (APPROX, GREEN FIELD SITE)

Please note that we will require full postal addresses for each property before we will be able to proceed with your connection

(ii) Are you the: property owner ☐ current occupier ☐ acting on behalf of the owner/occupier ☐

(iii) If you are acting on behalf of the owner/occupier, please provide their name and address and any other details that might be relevant:

(iv) Please tick the appropriate box(es) below to indicate the type and number of connections you require:

- a) New build House ☐ How many? 900
- b) New build Flats, Maisonettes or Apartments ☐ How many? 12000 m² (approx, no site layouts)
- c) New build Industrial units ☐ How many? ☐
- d) New build Commercial units ☐ How many? ☐
- e) Conversion of existing building ☐ How many? ☐
- f) Separation of your joint supply ☐ How many? ☐
- g) Upsize or replace my existing supply ☐ How many? ☐
- h) Field / Trough supply ☐ How many? ☐
- i) Fire supply ☐ How many? ☐
- j) Landlord / Bin store supply ☐ How many? ☐
- k) Other ☐ How many? ☐

(v) Do you want to use any of the above supplies as a temporary supply for building purposes and then change it to a permanent connection? Yes ☐ No ☐

(vi) If so which supply do you wish to use? (please specify) ☐

(vii) When do you need your new supply connected? (day / month / year) TBA Please note this date must be at least 8 weeks from the date of application

(viii) Please provide information below about your proposals for the supply arrangements and storage:

- a) Are you installing a direct main fed system i.e. combi boiler, unvented system Yes ☐ No ☐ N/A ☐
- b) Is your property above 1st floor level? Yes ☐ No ☐ N/A ☐
- c) Will you be installing an internal booster pump? Yes ☐ No ☐ N/A ☐
- d) Are you installing any type of water storage? (if yes, how many litres?) Yes ☐ No ☐ N/A ☐ litres
- e) Will you be installing a barrier supply pipe? Yes ☐ No ☐

If No, please do not lay any pipework until we have confirmed that the pipe material meets our requirements.
- f) For existing supplies are you increasing the demand by installing additional water fittings? Yes ☐ No ☐ N/A ☐
- g) Are any existing supplies lacking flow or pressure? Yes ☐ No ☐
- h) What method is/will be used for sewage disposal? Mains Drainage ☐ Septic Tank ☐ Other ☐
- i) Do you plan to install a grey water recycling or rainwater harvesting system? Yes ☐ No ☐ N/A ☐

If yes, please provide details, e.g. volume of storage, internal plumbing details
(ix) Please sketch in the space provided the route of your supply pipe to the boundary. The examples below will give you an idea of how your sketch should look.

Please add comments to your sketch to help us understand your requirements, e.g. new supply for new build house, separation of supply from neighbour, field supply for paddock, temporary building supply for development, etc.

Please do not lay your supply pipe until you have sent in your completed application form and spoken to Developer Services.

Please include soil sample locations, where taken for ground condition assessments (soil reports), on this sketch.

---

(x) Please fill in the table below with how many fittings per property(s) you will have:

<table>
<thead>
<tr>
<th>Type of Fitting</th>
<th>Example</th>
<th>Property 1</th>
<th>Property 2</th>
<th>Property 3</th>
<th>Property 4</th>
<th>Property 5</th>
<th>Internal Use Only</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Property Name or Number</td>
<td>Property Name or Number</td>
<td>Property Name or Number</td>
<td>Property Name or Number</td>
<td>Property Name or Number</td>
<td>Loading Units (LU)</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>TBA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>w/c flushing</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>wash basin in house</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>wash basin elsewhere</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>bath (tap size 20mm)</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>bath (tap size &gt; 20mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>shower</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sink (tap size 15mm)</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sink (tap size &gt;15mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>spray tap</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>bidet</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>domestic appliance</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>communal/commercial appliance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>any other water fitting (including tap but excluding urinal or water softener)</td>
<td>1</td>
<td>(garden tap)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(x) If you are requiring water for non-domestic use i.e. Factory, Golf Course (irrigation) please complete the table below:

<table>
<thead>
<tr>
<th>Nature of business</th>
<th>Maximum Daily Demand (m³ per day)</th>
<th>Maximum Instantaneous Demand (litres per second)</th>
<th>Volume of storage on site</th>
</tr>
</thead>
</table>
Section D (b) – New Supply Site Details

(i) Please provide information regarding the current or most recent site usage, for example "a detached residential property with mature gardens" or "former garage forecourt and shop":

GREEN FIELD SITE

(ii) Please answer the following questions about your site:

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>b)</td>
<td>c)</td>
<td>d)</td>
</tr>
<tr>
<td></td>
<td>Has there any on-site fuel storage?</td>
<td>Is there any evidence to suggest that fuel has previously been stored on site?</td>
<td>If your proposed route for the new pipe is near car parking (e.g. a driveway), how far away is it? Please include details in your sketch above.</td>
</tr>
</tbody>
</table>

(iii) Please indicate if there is any evidence of the following taking place either at present or historically:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Chemical works</td>
<td>h) Landfill site / waste disposal</td>
<td></td>
</tr>
<tr>
<td>b) Vehicle repair / manufacture / storage</td>
<td>i) Paper manufacture</td>
<td></td>
</tr>
<tr>
<td>c) Petrol station</td>
<td>j) Print works</td>
<td></td>
</tr>
<tr>
<td>d) Gas works</td>
<td>k) Railway yards / land</td>
<td></td>
</tr>
<tr>
<td>e) Hazardous waste treatment</td>
<td>l) Scrap yards</td>
<td></td>
</tr>
<tr>
<td>f) Tanneries</td>
<td>m) Timber yards</td>
<td></td>
</tr>
<tr>
<td>g) Electricity sub-station</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(iv) If you have ticked any of the above, please provide further information, for example what you have seen, where, and when:

(v) Are you including a ground condition assessment (soil report) to support your application? Yes ☐ No ☐

If yes, please provide an indication of the soil sample locations on the sketch above.

Please note that the selection of the communication pipe material resides entirely with Veolia Water Central. You are strongly advised not to lay any pipe work until you have sent your completed application form to Developer Services, and spoken to a member of the team, to ensure that you are given the correct information about your supply pipe material and diameter.

Section E – Fire Supplies

Information about any dedicated fire or sprinkler systems you propose to have in your property (or properties):

(i) Are you installing a sprinkler system or dedicated fire fighting supply? Yes ☐ No ☐

(ii) Are you installing a fire supply for a domestic or commercial property? Domestic ☐ Commercial ☐

(iii) If yes to (ii), how many supplies and for what type of property? (e.g. 2 x Factory)

(iv) What size fire supply connection do you require for each property?

(If you require a fire supply greater than a 63mm service please complete a new mains application form for either domestic or commercial use which can be found on our website at www.veoliawater.co.uk)
Section F – Additional Information, Checklist and Declaration

Information you must provide before we can continue with your connection:
1. Letter/fax/email showing owner/occupier permission (if acting on behalf of owner/occupier)
2. Location Plan (Scale 1:1250)

Information you must provide if you are building a new property or development, or converting an existing building:
3. Site Plan (Scale 1:200 or 1:500)
4. Water regulation drawing showing pipework layouts and proposed water fittings to be used

Information you may wish to provide to assist us with designing your connection:
5. Ground Condition Assessment (soil report) (if available)

Choose appropriate [ ] if Applicable [ ] Required [ ] Optional [ ]

Please confirm that you have read and understand the conditions below by ticking each adjacent box and inserting your signature as required below:
☐ I have completed all relevant sections on the application form and confirm that Veolia Water Central will only undertake work outside private ownership and that in making this application I will be liable for any charges payable in respect of the connection(s) to which this application relates, including any infrastructure charges.
☐ I confirm that I wish to apply for a new water connection(s) for the properties listed in Section D of this application and acknowledge my duty to comply with the Water Supply (Water Fittings) Regulations 1999 and Veolia Water Central terms and conditions.
☐ I confirm that I have included with this application all the required documentation as detailed above and that the completion and return of this application form will, in the absence of information to the contrary, be deemed to constitute notice made under Section 45(1) of the Water Industry Act 1991.

Signature: [Signature]
Print Name: [C FORRESTER]
Company: [ELEMENTA CONSULTING]
Job Title: [ENGINEER]
Date: [08.02.2012]

Please note that we cannot accept postal application forms without a signature from the applicant.

If you are submitting your application form electronically, please check this box to confirm that you are applying for a new or replacement connection (in the absence of your signature).
☐

Please do not send original copies of any supplementary information - Veolia Water Central cannot guarantee the return of information sent with an application.

Please return all documentation to:
Developer Services
Veolia Water Central
Tamblin Way
Hatfield
Hertfordshire
AL10 9EZ
Tel: 08451 552 088
Fax: 01707 679 206

If submitting electronically, please send to: developerservices@veoliawater.co.uk

Application forms and further information can also be obtained from our website: www.veoliawater.co.uk
Ms Cheryl Forrester  
Elementa Consulting  
Unit 1  
Library Avenue  
Harwell Oxford  
Didcot  
OX11 0SG

Date of this notice:  
23 May 2012

Date of this notice:  
23 May 2012

Dear Ms Forrester

Re: Request for a Budget Price for Water Infrastructure Field End Hemel Hempstead

We are pleased to enclose this information in response to your request for a budget estimate to supply your development.

Your Budget

<table>
<thead>
<tr>
<th>Item</th>
<th>Excavation</th>
<th>Approx. Unit Cost</th>
<th>Approx. Scope</th>
<th>Budget Price</th>
<th>Estimated Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Onsite (development) water mains</td>
<td>Not included</td>
<td>£130/m</td>
<td>1500m</td>
<td>£195,000</td>
<td>30%</td>
</tr>
<tr>
<td>Onsite (development) service connections</td>
<td>Not included</td>
<td>£400 ea</td>
<td>900no.</td>
<td>£360,000</td>
<td>100%</td>
</tr>
<tr>
<td>Onsite large diameter (&gt;63mm) services</td>
<td>Not included</td>
<td>£3,000 ea</td>
<td>3no.</td>
<td>£9,000</td>
<td>100%</td>
</tr>
<tr>
<td>Off Site (in public Highway) (&gt;63mm) services</td>
<td>Included</td>
<td>£4000</td>
<td>0no.</td>
<td>£0</td>
<td>100%</td>
</tr>
<tr>
<td>Offsite water mains laying (e.g. reinforcement)</td>
<td>Included</td>
<td>£270/m</td>
<td>740m</td>
<td>£199,800</td>
<td>100%</td>
</tr>
<tr>
<td>Offsite (in public highway) Service connections</td>
<td>Not included</td>
<td>£2000 ea</td>
<td>0no.</td>
<td>£0</td>
<td>100%</td>
</tr>
</tbody>
</table>

Please note the cost information provided in this letter is for budgetary purposes only and is subject to change.

The developer’s contribution for onsite water mains is usually much less than the cost of installation. This is in accordance with the legislation set out by the Water Industry Act 1991 for the recovery of water company costs. The contribution varies significantly from scheme to scheme but typically ranges from 10 – 30%. It is not possible to give a more accurate figure without a full water mains requisition, so we would advise using a contribution figure of 30%.
In addition to the above, the following items may be required and have not been included in the above budget estimate:

- Infrastructure charges (refer to Veolia Water Central’s current Charges Scheme);
- Traffic management costs (charges vary considerably between Local Authorities);
- Service connections to the existing network, e.g. show home supplies to water mains in the public highway (where Veolia Water is to excavate and reinstate);
- Disconnections of existing water mains and / or service pipes;
- Building water charges and Value Added Tax.

Please note that the cost information provided is an estimate and the actual costs may differ significantly. Detailed design (including full hydraulic analysis to size the water pipes, consultation with statutory bodies, e.g. fire brigades, and local authorities to establish traffic management requirements) and costs are supplied to the developer on correct completion of the appropriate application form(s), available on our website.

Summary

We enclose a record plan which shows the approximate positions of our existing water main distribution network in the vicinity of your development. This plan will help give you an indication of the likely connection points to serve your proposed development.

Our budgetary analysis considers whether your development requires any of the following:

- Onsite works: new water mains
- Onsite works: new service connections
- Onsite works: large diameter service connections (greater than 63mm diameter)
- Offsite works: diversion of existing assets
- Offsite works: reinforcement (upgrade) of the existing network
- Offsite works: new service connections

Onsite works

New onsite water mains laid in High Density Polyethylene (HPDE) up to 180mm outside diameter are typically £130 per linear metre where the following conditions are met:

- The trenches for the new water mains are fully excavated by the developer in accordance with the Veolia trench specification (enclosed);
- Other onsite utilities are laid in accordance with NJUG regulations, maintaining the necessary access to the new water mains and safe distances from other utilities.

The approximate scope of works is based on the information you supplied with your budget request. We have indicated our proposal for onsite mains on the record plan enclosed.

For developments with complex proposals, we strongly suggest you complete a full mains requisition to allow us to review in detail and schedule a meeting to discuss your needs.

New onsite service connections with an inline meter in Medium Density Polyethylene (MDPE) up to 32mm outside diameter are approximately £400 each where the following conditions are met:

- The supply pipe is laid to the correct depth in the material specified by us;
- The trench for the communication pipe is fully excavated by the developer;
- The distance between the property boundary and water main is less than 10 metres;
- The connection point to the onsite water main is exposed by the developer.

Infrastructure charges are be due on new service connections. Please check our website for the current infrastructure charge (search for Veolia Water Central’s Charges Scheme).
Onsite works: Large diameter service connections

Some types of developments require larger supplies, for example blocks of flats or offices, hospitals, industrial units or a new hotel. The approximate cost of a single large diameter connection is £3,000.

Infrastructure charges due on large diameter service connections for commercial premises are calculated using the Relevant Multiplier method, set out in our Charges Scheme. Please note that infrastructure charges are not included in the budget costs in this letter.

Offsite works

Where our assessment indicates that diversion and / or reinforcement of the existing water mains network is required to support your development, mains laid in High Density Polyethylene (HPDE) up to 180mm outside diameter are typically £270 per linear metre (including all excavation and reinstatement) where the following conditions are met:

- All works in the public highway (not A roads or motorways);
- Other utilities do not prevent access to the existing network (laid in accordance with NJUG).

The decision to undertake offsite works to support development activity is not taken lightly. The costs for the works are directly proportional to the extra demand required, i.e. we do not charge the developer for anything not related to his development. A basic hydraulic study is undertaken to assess the existing capacity of the network and is considered in our budget cost provided on Page 1 of this letter.

Where offsite reinforcement or diversions are required, it is because at least one of the following criteria applies:

- The existing network as currently sized is not capable of supporting any additional properties.
- The proposed development has a detrimental effect on the water supply to our existing customers.
- The development site proposed is on top of an existing asset and needs to be moved.
- New fittings (valves, washouts etc) are required to enable the connection to the new development to be made.

We would ask you to appreciate that the closest water main to your development may not be the most appropriate main to connect into, and at budget stage we cannot guarantee which main will be used. On receipt of a full mains requisition, we will undertake detailed analysis to identify the most cost effective option for your development; taking into account the above points as well as traffic management requirements.

New offsite service connections with an inline meter in Medium Density Polyethylene (MDPE) up to 32mm outside diameter are approximately £2000 each where the following conditions are met:

- The supply pipe is laid to the correct depth in the material specified by us to the boundary of the private land;
- The distance between the property boundary and water main is less than 10 metres;

Infrastructure charges are be due on new service connections. Please check our website for the current infrastructure charge (search for Veolia Water Central’s Charges Scheme).

Offsite works: Large diameter service connections

Some types of developments require larger supplies, for example blocks of flats or offices, hospitals, industrial units or a new hotel. The approximate cost of a single large diameter connection is £4,000 (for bulk supplies with internal meters for flats of 12 or more please allow an extra charge for installing the meter of £82.33 for each property).
Infrastructure charges due on large diameter service connections for commercial premises are calculated using the Relevant Multiplier method, set out in our Charges Scheme. Please note that infrastructure charges are not included in the budget costs in this letter.

**Other useful information**

We have provided the cost information in good faith for your budgetary purposes.

Costs will increase when:
- Working in contaminated ground as a barrier pipe is required to protect water quality. Installations in barrier pipe are typically 30 – 50% more expensive than HDPE pipe.
- Larger diameter pipes (>180mm) are required (whether on and / or offsite), as the excavation is greater and the cost of the materials/fittings increases.
- Veolia Water is required to excavate and reinstate onsite works.
- Above ground asset reinforcement is required (e.g. a booster or new reservoir).

We require completion of the appropriate application form(s) and submission of supporting documentation to provide more accurate costs. Please note we cannot proceed if the application form is incomplete and you should estimate items such as loading units and build rates if the actual figures are currently unknown to you.

The start of mains and service connections works on your site is dependent upon our current programme of works, although every effort will be made to accommodate your timetable. It should be noted that construction in the public highway is governed by statutory regulation and under certain circumstances commencement of offsite works may be delayed by up to three months from the receipt of your payment to gain permission from the Local Authority.

If you need any further advice please do not hesitate to contact us.

Yours sincerely

For and on behalf of Developer Services  
**Veolia Water Central**

[www.veoliawater.co.uk/central](http://www.veoliawater.co.uk/central)
Development of 900 Residential Properties, a Primary School and Commercial Units
Each residential property is assumed to have a demand of 450 lpd and a leakage rate of 150 lpd
90 mm HPPE (int. 78.7 mm) Supply Pipe
Assumed demand of the Primary School is 2 l/s\(^1\) and the combined demand of the Commercial Units are 3 l/s\(^1\)
APPENDIX J  LINESEARCH RESULTS
Enquiry received at: 17:29 on 08/05/2012

Please DO NOT respond directly to this email. If you have any queries please contact Linesearch on 0870 403 6484, quoting your Linesearch reference number.

Dear Miss Cheryl Forrester

Thank you for your enquiry: LS-120508-JN-861-SXN

Subject always to our standard terms and conditions, this enquiry result is valid for 28 days only from the date of enquiry and is based on the confirmed information you entered. If the location of the work changes then a further enquiry must be made. Should the work not be undertaken within 28 days of the enquiry then a further enquiry must be made.

Enquirer details
Name: Miss Cheryl Forrester
Company: Elementa Consulting
Email: cheryl.forrester@elementaconsulting.com
Tel: 01235 820300

Enquiry details
Your reference: 6489
Your location: 503013 206943
Confirmed location: OS grid reference (503013 206943) Estimated start date: 06-11-2013
Type of work: Development Projects - Housing Area covered: Distance covered: 1500 metres
Planned works: No
Emergency: No

Not in the Zone of Interest

BOC Limited (A Member of the Linde Group)
BPA
Centrica Energy
ConocoPhillips (UK) Ltd
ConocoPhillips Ltd Humber Refinery
Coryton Energy Co Ltd (Gas Pipeline)
E-on UK Plc (Gas Pipelines Only)
ESSAR
Esso Petroleum Company Limited
FibreSpeed Limited
Geo Networks Limited
Government Pipelines & Storage System
HV Cables
INEOS Manufacturing (Scotland and TSEP)
Ineos Enterprises Limited
Mainline Pipelines Limited
Manchester Jetline Limited
Marchwood Power Ltd (Gas Pipeline)
NPower CHP Pipelines
National Grid Gas and Electricity Transmission
Oikos Storage Limited
Perenco UK Limited (Purbeck Southampton Pipeline)
Premier Transmission Ltd (SNIP)
RWEnpower (Little Barford and South Haven)
SABIC UK Petrochemicals
Scottish Power Generation
Star Energy
Total UK (Finaline, Colnbrook & Colwick Pipelines)
Wingas Storage UK Ltd

Thank you for your enquiry, there is no further action necessary.

Please note that Linesearch.org system only contains information on National Grid’s Transmission assets. All other National Grid or other local high pressure (above 7 bar) gas pipelines and lower pressure gas mains are not included. For all other energy network operators' information and contact details see [http://www.energynetworks.org/](http://www.energynetworks.org/)

Please quote the Linesearch enquiry reference number in *all* correspondence

To view your enquiry history, just log in to [http://www.linesearch.org](http://www.linesearch.org)

This email has been scanned by the Symantec Email Security.cloud service. For more information please visit [http://www.symanteccloud.com](http://www.symanteccloud.com)
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 9173693
E-mail: dbyd@openreach.co.uk
Website: www.dialbeforeyoudig.com

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KEY TO BT SYMBOLS
- UNDERGROUND PLANT
- OVERHEAD PLANT
- JOINT BOX
- DISTRIBUTION POINT
- MANHOLE
- DP BOUNDARY
- OTHER BT BOUNDARY
- POLE
- CABINET
- BURIED JOINT
- JOINTING POST
- PROPOSED U/G
- PROPOSED O/H
- PROPOSED BOX

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.

BT Ref: 2EQ10436W
Map Reference: (centre) TL0289807506
Easting/Northig: (centre) 502898,207506
Issued: 01/06/2012 10:44:13

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
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 9173939
E-mail: dbdyd@openreach.co.uk
Website: www.dialbeforeyoudig.com

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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

KEY TO BT SYMBOLS

UNDERGROUND PLANT
AC, DW or W
OVERHEAD PLANT
JOINT BOX
DISTRIBUTION POINT
MANHOLE
DP BOUNDARY
OTHER BT BOUNDARY

POLE
CABINET
BURIED JOINT
JONTING POST
PROPOSED U/G
PROPOSED O/H
PROPOSED BOX

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.

openreach
a BT Group business

Map Reference: (centre) TL0311107349
Easting/Northing: (centre) 503111, 207346
Issued: 01/06/2012 10:47:51

BT Ref: YNW10478D
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 9173923
E-mail: dbxtd@openreach.co.uk
Website: www.dialbeforeyoudig.com

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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

KEY TO BT SYMBOLS
- UNDERGROUND PLANT
  - OW
  - JOINT BOX
  - DISTRIBUTION POINT
  - MANHOLE
  - DP BOUNDARY
  - OTHER BT BOUNDARY
  - PROPOSED U/G
  - PROPOSED O/H
  - PROPOSED BOX
  - POLE
  - CABINET
  - BURIED JOINT
  - JOINTING POST

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.

OPENREACH
A BT Group business

BT Ref : PNT10487E
Map Reference : (centre) TL0303306896
Easting/Northing : (centre) 503033,206896
Issued : 01/06/2012 10:48:26
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 9713993

E-mail: dbyd@openreach.co.uk

Website: www.dialbeforeyoudig.com

KEY TO BT SYMBOLS

--- UNDERGROUND PLANT

O POLE

AC, DW or W

OVERHEAD PLANT

X CABINET

JOINT BOX

□ BURIED JOINT

DISTRIBUTION POINT

J JOINTING POST

MANHOLE

PROPOSED U/G

DP BOUNDARY

PROPOSED O/H

OTHER BT BOUNDARY

PROPOSED BOX

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.

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

BT Ref: VOF10491R

Map Reference: (centre) TL0296006670

EastIng/Northing: (centre) 502960,206670

Issued: 01/06/2012 10:49:59