

THE SNELL AND WILCOX LTD PENSION PLAN

**SOUTHLEIGH PARK HOUSE, EASTLEIGH ROAD,
HAVANT, HAMPSHIRE, PO9 2PE**

UTILITIES AND SERVICING STATEMENT

**REPORT REF. 160720-02C
PROJECT NO. 160720
JULY 2017**

**PROPOSED REDEVELOPMENT OF LAND AT SOUTHLEIGH PARK HOUSE,
EASTLEIGH ROAD, HAVANT**

UTILITIES AND SERVICING STATEMENT

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DOCUMENT CONTROL SHEET

REV	ISSUE PURPOSE	AUTHOR	CHECKED	APPROVED	DATE
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-	Final	HB	JEC	SJH	04.04.17
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B	Final	HB	JEC	SJH	25.07.17
C	Final	HB	JEC	SJH	28.07.17

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1.0 EXECUTIVE SUMMARY

- 1.1. This Utilities and Servicing Statement demonstrates that the proposed residential development at Southleigh Park House, Havant can be supplied with electricity, gas, telecommunications, foul water and potable water.

Electricity

- 1.2. There is existing Scottish and Southern Energy (SSE) apparatus to the north of the site within the northern footway of Bartons Road. There is an on-site substation and existing Low Voltage (LV) cables and High Voltage (HV) cables which require disconnection and removal. SSE have confirmed that they can serve the site without the need for reinforcement works.

Gas

- 1.3. Southern Gas Networks (SGN) have confirmed that their existing apparatus serving the existing buildings will require disconnecting and removing in order to accommodate the proposed development. SGN have confirmed that they are willing to supply the site, however they will be confirmed at detailed design phase whether reinforcement works are required.

Potable Water

- 1.4. Portsmouth Water have confirmed that there is sufficient capacity within the existing network to supply the site. Portsmouth Water own 6" and 30" mains which are located within the development boundary and require diverting.

Foul Water

- 1.5. Southern Water asset plans show a 150mm diameter foul water main within the site boundary to the south of the site. It is not anticipated that this will require diverting in order to accommodate the proposals. Southern Water have confirmed that there is sufficient capacity for the foul flows from the site to discharge to this sewer.

Telecommunications

- 1.6. It is anticipated that existing underground BT apparatus within the site boundary will require disconnecting and removing and the overhead cables will require diverting in order to accommodate the proposals. BT are obliged to supply the site.
- 1.7. Virgin Media own existing apparatus to the north of the site within the northern footway of Bartons Road, it is not anticipated that any diversionary works will be required to accommodate the proposals. Virgin Media have confirmed that they are willing to supply the site.
- 1.8. Vodafone asset plans show existing assets to the north of the site within Bartons Road owned by 'Other Licensed Operator'. Vodafone have confirmed that they think these assets belong to Virgin Media.

2.0 INTRODUCTION

- 2.1 Ardent Consulting Engineers (ACE) has been commissioned by The Snell and Wilcox Ltd. Pension Plan to provide Utilities and Servicing advice in relation to the redevelopment of land at Southleigh Park House in Havant, Hampshire.
- 2.2 This report supports a hybrid application for up to 90 residential units in total, comprising:
- Hybrid application for up to 90 residential units in total, comprising:
Full planning permission and listed building consent for the change of use, alterations to and extension of existing buildings to 20 residential units, (13 dwellings in the main house and 7 in other listed buildings) with associated landscaping, parking and amenity space.
 - Outline application (all matters reserved except means of access) for the demolition of 1983 office building and associated brick and glass corridor link and development of up to 70 residential units, associated landscaping, parking and infrastructure works.
- 2.3 The main building on site is known as Southleigh Park House and is a listed building currently used as office space (B1 building classification). Three other listed buildings also occupy the site, namely: Cloak House, Coach House and The Lodge. These buildings will be retained and converted for use as residential (C3 building classification).
- 2.4 The development proposals seek to utilise the existing access on Eastleigh Road (to the west of the site) as well as two additional existing accesses, both also on Eastleigh Road but presently not in use.
- 2.5 This Utilities and Servicing Statement provides a summary of the provision of utilities to serve the development and seeks to

demonstrate that the development can be suitably served without having a detrimental impact on the surrounding networks and environs.

- 2.6 It should be noted that elements of this report have been produced on the basis of information received from relevant service companies and as such, ACE cannot accept responsibility for the accuracy of the information received.
- 2.7 Copies of the correspondence received from Statutory Undertakers have been provided in the appendices of this report for further reference.

3.0 BASELINE PARAMETERS

Site Location

- 3.1 The Site occupies an area of approximately 3.16 ha centred approximately on OS grid co-ordinates 473712mE, 108006mN and is shown in **Figure 3-1** below.

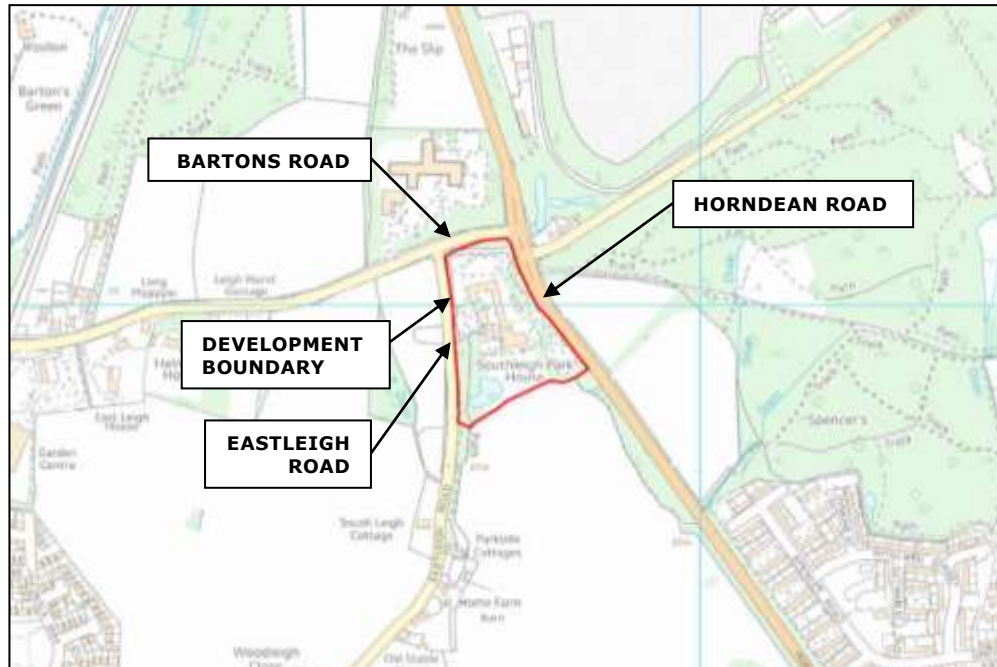


Figure 3-1: Site Location Plan

- 3.2 The Site is located on Eastleigh Road in Havant, Hampshire. The Site is bounded by and accessed from Eastleigh Road to the west, Bartons Road to the north, Horndean Road to the east and open agricultural land to the south.

Existing Land Use

- 3.3 The site is currently used as office space (B1 building classification) with a canteen also on site (A3 building classification). Southleigh Park House is one of four listed buildings located on site, all of which will be retained and converted into C3 residential use. The existing office buildings have a gross internal area (GIA) of circa. 4,350m² and the canteen has a GIA of circa. 300m².

4.0 DEVELOPMENT PROPOSALS

4.1 The development proposals form a hybrid application for up to 90 residential units in total, comprising:

- Hybrid application for up to 90 residential units in total, comprising:

Full planning permission and listed building consent for the change of use, alterations to and extension of existing buildings to 20 residential units, (13 dwellings in the main house and 7 in other listed buildings) with associated landscaping, parking and amenity space.

- Outline application (all matters reserved except means of access) for the demolition of 1983 office building and associated brick and glass corridor link and development of up to 70 residential units, associated landscaping, parking and infrastructure works.

4.2 The proposals also include the provision of 182 parking spaces with provision for an additional 24 visitor parking spaces. The development proposals seek to utilise the existing access on Eastleigh Road (to the west of the site) as well as bring two other existing accesses back into use, both on Eastleigh Road.

4.3 **Figure 4-1** on the following page shows an extract of the illustrative masterplan.

4.4 The indicative site layout and parking plan provided by Terence O'Rourke planning consultants along with the associated schedule of accommodation can be found in **Appendix A**.



5.0 UTILITY SERVICE PROVISION

Introduction

5.1 All relevant Statutory Undertakers were consulted in June 2016 in relation to the proposed development based on 94 residential units (higher than the current proposals). Each Statutory Undertaker with known plant in the region has been contacted and requested to provide details of:

- Existing assets in the area;
- The extent of any necessary diversion, abandonment or protection works to facilitate the development;
- The requirement for any off-site reinforcement works to meet the peak load demand generated by the development proposals; and
- The potential point of connection to the existing supply distribution network.

Approximate Utility Demands

5.2 Anticipated approximate utility demands for the development for gas, portable water and foul water were provided to utility providers, derived using BSRIA Guidance Documents and common benchmarks.

5.3 The following approximate loadings in **Table 5-1** have been used to inform the overall Site demands. It should be noted that these figures are given prior to the relevant utility companies applying their own diversification adjustments.

<i>Land Use</i>	Electricity Peak kVA/ (per m ² /unit)	Gas		Potable Water (l/head/day)	Foul Water l/day (per 100m ² /unit)
		Peak kW (per m ² /unit)	Annual kWh (per m ² /unit)		
Residential houses (<i>per unit</i>)	5.8	11.3	12,131	160	4000 (SFA 6)
Residential flats (<i>per unit</i>)	1.3	8.6	7,962	160	4000 (SFA 6)

Table 5-1: Approximate Utility Demands

(N/A* signifies that the utility provider will have their own calculations to determine these loads)

Statutory Undertakers Unaffected by the Proposals

5.4 From initial searches, it is understood that the following Statutory Undertakers do not have assets in the immediate vicinity of the site (see **Appendix B**):

- AWE Pipeline
- BOC Limited (a member of the Linde group)
- BP Midstream Pipelines
- BPA
- Carrington Gas Pipeline
- CATS Pipeline c/o Wood Group PSN
- Cemex
- Centrica Energy
- Centrica Storage Ltd
- CLH Pipeline System Ltd
- ConocoPhillips (UK) Ltd
- Coryton Energy Co Ltd (Gas Pipeline)
- CSP Fibre c/o Centara
- E.ON UK CHP Limited
- EirGrid
- Electricity North West Limited
- ENI & Himor c/o Penspen Ltd
- ESP Utilities Group
- ESSAR
- Esso Petroleum Company Limited
- FibreSpeed Limited
- Gamma
- Humbly Grove Energy
- HV Cables
- IGas Energy
- Ineos Enterprises Limited
- INEOS Manufacturing (Scotland and TSEP)
- Lark Energy
- Lightsource SPV Limited
- Mainline Pipelines Limited
- Manchester Jetline Limited
- Manx Cable Company
- Marchwood Power Ltd (Gas Pipeline)
- National Grid Gas (above 2 bar) and National Grid Electricity Transmission
- Northumbrian Water Group
- Npower CHP Pipelines
- Oikos Storage Limited
- Perenco UK Limited (Purbeck Southampton Pipeline)
- Petroineos
- Phillips 66
- Premier Transmission Ltd (SNIP)

- Redundant Pipelines – LPDA
- RWEnpower (Little Barford and South Haven)
- SABIC UK Petrochemicals
- Scottish Power Generation
- Seabank Power Ltd
- Shell (St Fergus to Mossmorran)
- Shell Pipelines
- Total (Finaline, Colnbrook & Colwick Pipelines)
- Transmission Capital
- Uniper UK Ltd
- Vattenfall
- Western Power Distribution
- Wingas Storage UK Ltd
- Zayo Group UK Ltd c/o JSM Group Ltd

5.5 ACE has contacted all of the asset owners who have been identified by Line Search as 'Not Notified'. Of those listed as 'not notified', correspondence has been received from the following to confirm that they do not have apparatus within the vicinity of the proposed site:

- BskyB Telecommunications
- Verizon
- Interoute
- MBNL
- GTC Pipelines Limited
- Colt
- Instalcom
- Fulcrum
- Redcentric

6.0 ELECTRICITY

Scottish and Southern Energy (SSE)

6.1 **Figure 6-1** below shows that there are existing Low Voltage (LV) and High Voltage (HV) underground cables within Bartons Road, to the north of the site. There are also LV and HV cables crossing the northern section of the site. The plans also show an existing Ring Main Unit (RMU), substation, associated HV cables and a LV connection to the existing listed building.

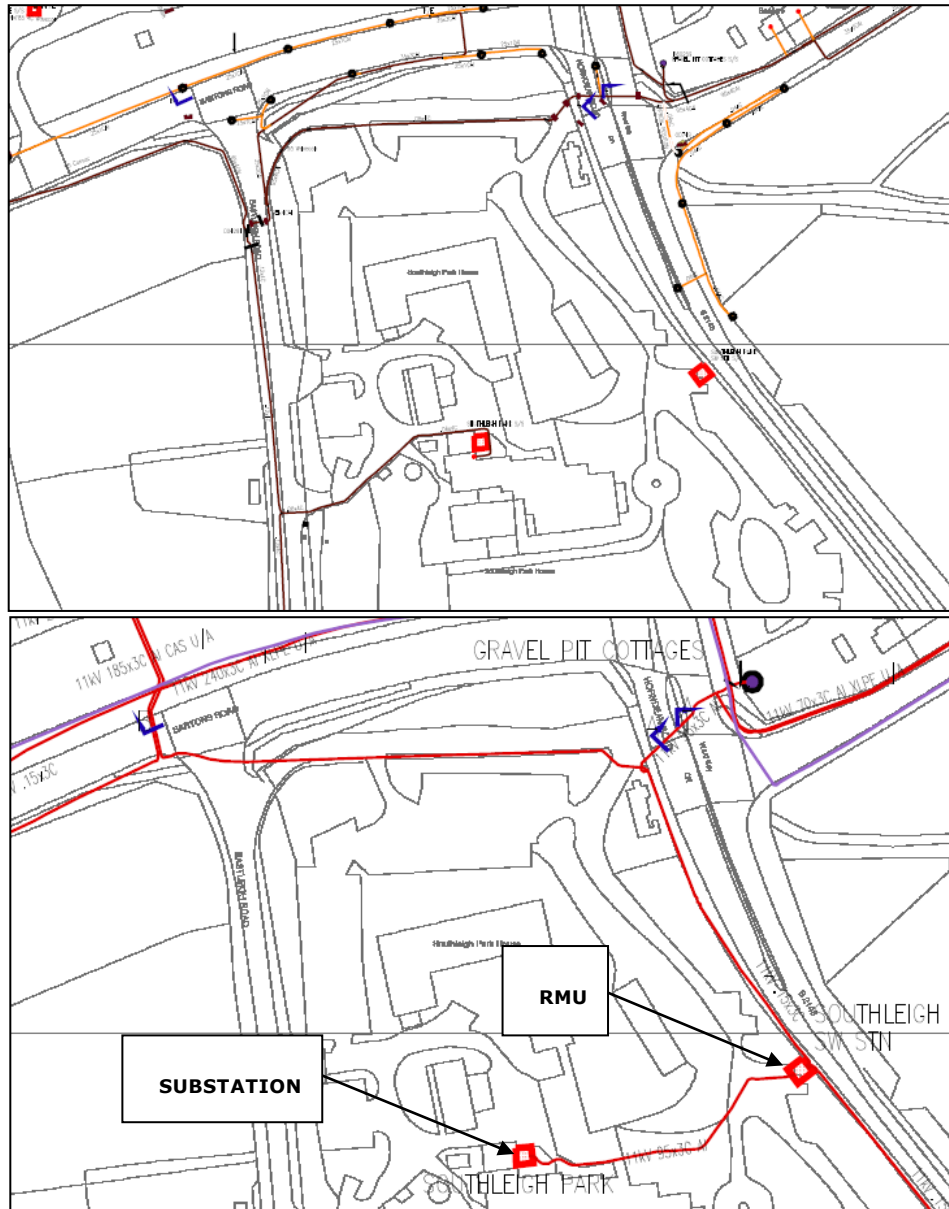


Figure 6-1: SSE LV and HV Asset Mapping (Extract)

- 6.2 A capacity enquiry was sent to SSE in order to determine whether or not there is sufficient capacity within the existing network to supply the proposed development. SSE have confirmed that they can serve the development proposals without the need for off-site reinforcement works.
- 6.3 SSE have provided a plan showing the location of their High Voltage (HV) cables running within the site, as well as an existing Ring Main Unit (RMU) and substation on site in response to a diversionary enquiry. They have confirmed the below is necessary to facilitate the development proposals:
- Diversion of the LV plant at the northern site boundary;
 - Diversion of the HV plant at the northern site boundary;
 - Disconnection, decommission and removal of HV plant and on-site substation adjacent to Southleigh Park House;
 - Disconnection of existing LV supply to building.
- 6.4 Full details on the above and correspondence with SSE can be found in **Appendix C**.

7.0 GAS SUPPLY

Southern Gas Networks (SGN)



Figure 7-1: Southern Gas Networks Asset Mapping (Extract)

- 7.1 **Figure 7-1** above shows that there is a 125 PE Low Pressure (LP) main which runs along Eastleigh Road to the east of the site which then enters the site to serve the existing building.
- 7.2 An enquiry was submitted to SGN to determine whether there are any necessary diversionary works required to accommodate the proposals. SGN have confirmed that the existing LP main will need to be disconnected and removed to facilitate the development proposals.
- 7.3 The above enquiry also sought to determine whether there is sufficient capacity within the existing network to supply the site.

This enquiry was based on the assumption that all houses and flats will be heated using gas.

- 7.4 A response from SGN on 29th June 2016 confirmed that they are willing to supply the proposed development. Further analysis is required to determine whether any reinforcement work is required, this will be confirmed at the detailed design phase.
- 7.5 SGN correspondence can be found within **Appendix D**.

8.0 POTABLE WATER

Portsmouth Water

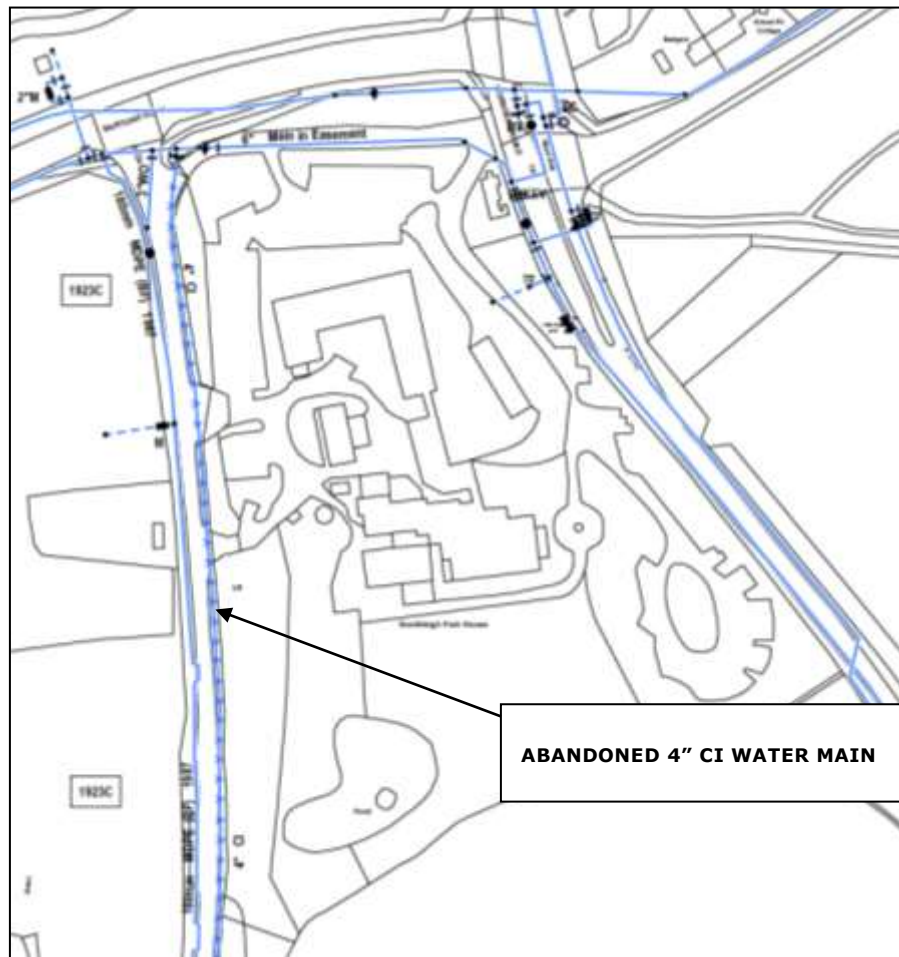


Figure 8-1: Portsmouth Water Asset Mapping Extract (Potable Water)

- 8.1 The extract in **Figure 8-1** above shows that there are two mains which lay within the boundary of the site; one 6" main and one 30" main to the north of the site, just south of Bartons Road. There is also a 150mm connection encroaching into the site to the east which connects to a 6" Cast Iron (CI) main on Horndean Road. It is anticipated that this connection is used to supply the existing site. There is an abandoned 4" CI main adjacent to the western site boundary where all three accesses are situated.
- 8.2 Both the 6" and 30" water main to the north of the site will require diverting in order to facilitate the development proposals. The required easement zones have been confirmed by Portsmouth Water

and can be found in **Appendix E**. The 150mm lateral connection to the east of the site will also require abandoning to facilitate the proposals. A diversion enquiry was submitted to Portsmouth Water to obtain a budget estimate for the required diversionary works, a response was received on 18th December 2016.

- 8.3 A capacity enquiry was submitted to Portsmouth Water to determine whether there is sufficient capacity within the existing clean water network to supply the site. A response from Portsmouth Water on 27th June 2016 confirmed that the development can be served without the need for off-site reinforcements.
- 8.4 Correspondence with Portsmouth Water can be found in **Appendix E**.

9.0 FOUL WATER

Southern Water

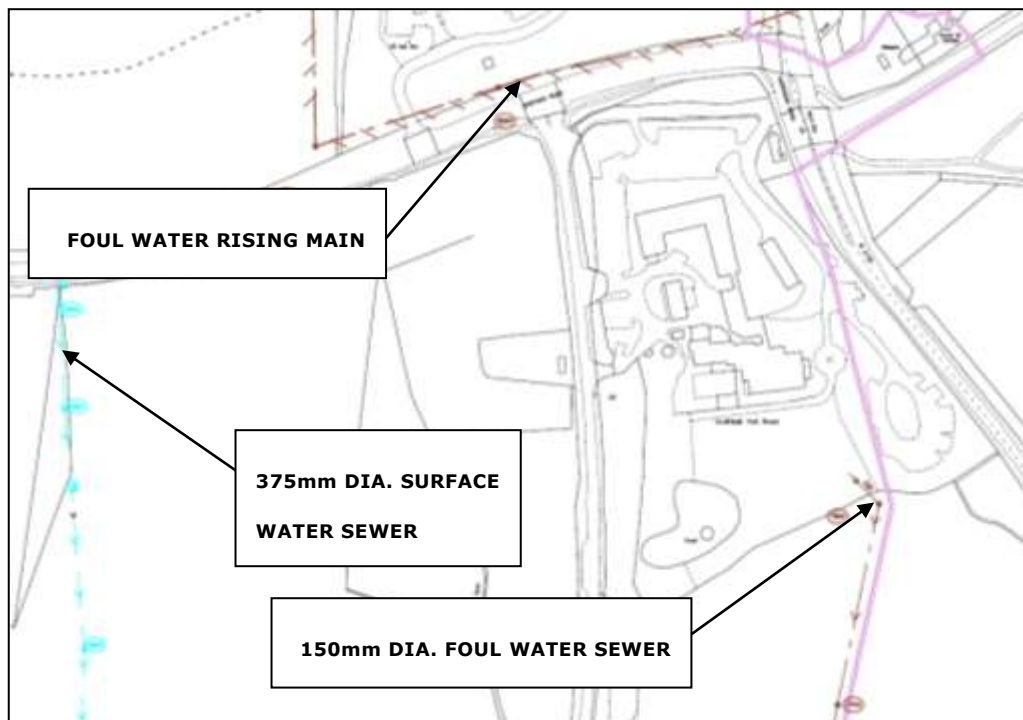


Figure 9-1: Southern Water Foul Water Asset Mapping

- 9.1 **Figure 9-1** above shows that there is a 150mm diameter foul sewer which encroaches into the southern boundary of the site. It is not anticipated that diversionary works will be required.
- 9.2 **Figure 9-1** shows that the nearest surface water main has a 375mm diameter and is located circa 300m east of the junction between Bartons Road and Eastleigh Road. There is also a foul rising main located north of the site.
- 9.3 A pre-development capacity enquiry was submitted to Southern Water to determine whether or not there is sufficient capacity to supply the development proposals. Southern Water then requested a Level 2 Capacity Check to be undertaken which resulted in confirmation of capacity within the 150mm diameter foul water sewer.
- 9.4 Correspondence with Southern Water can be found in **Appendix F**.

10.0 TELECOMS

BT Openreach



Figure 10-1: BT Openreach Asset Mapping (Extract)

- 10.1 BT Openreach asset mapping in **Figure 10-1** above indicates that there are overhead and underground cables within the site boundary, as well as within the vicinity of the site. The on-site overhead cables are situated to the north, whilst the underground connections supplying the existing buildings from Eastleigh Road enter the site from the east. It is anticipated that these assets will require diverting in order to facilitate the development proposals.
- 10.2 An enquiry was submitted to BT Openreach to obtain a budget estimate for disconnecting and removing the existing BT apparatus which lays within the site boundary. This cost will be confirmed during the detailed design phase.

- 10.3 In terms of supplying the site, BT is obliged to serve the development proposals. Once a planning consent has been granted, detailed costs and a specification of works will be provided by 'BT Openreach New Sites'.
- 10.4 Correspondence with BT can be found in **Appendix G.**

11.0 VIRGIN MEDIA



Figure 11-1: Virgin Media Asset Mapping (Extract)

- 11.1 Asset plans received from Virgin Media, presented in **Figure 11-1** above, show that there is existing apparatus to the north of Bartons Road. It is not anticipated that any diversionary works are required to facilitate the development proposals.
- 11.2 An enquiry has been sent to Virgin Media in order to determine whether or not there is sufficient capacity to serve the site.
- 11.3 A response from Virgin Media on 27th June 2016 confirmed that there is sufficient capacity within the existing network and that Virgin Media are willing to supply the development.
- 11.4 Correspondence with Virgin Media can be found in **Appendix H**.

12.0 VODAFONE



Figure 12-2: Vodafone Asset Mapping (Extract)

12.1 Asset plans received from Vodafone show that there is existing underground Vodafone apparatus within the footway and carriageway of Bartons Road, to the north of the site. The apparatus shown in **Figure 12-1** is fibre-optic cable which is owned by an 'Other Licensed Operator' (OLO). The location of this apparatus appears to be similar to that shown in **Figure 11-1**, and after liaising with Vodafone and Atkins Global they have confirmed that the assets shown are likely to be owned by Virgin Media. As a result of this, enquiries regarding capacity and supplying the site have been sent directly to Virgin Media.

12.2 It is not anticipated that there will be any necessary diversionary works required in order to accommodate the development proposals.

12.3 Correspondence with Vodafone can be found in **Appendix I**.

13.0 SUMMARY

13.1 To summarise, this Utilities and Servicing Statement demonstrates that the proposed development of up to 90 residential units at the former Southleigh Park House site:

- Can be supplied with electricity, clean water, telecommunications and foul water provision;
- Capacity for gas supply will be confirmed at detailed design;
- Requires diversionary works to the existing Portsmouth Water 6" and 30" potable water mains;
- Requires diversionary works to the existing BT overhead cables in the northern section of the site;
- Requires diversionary works to the existing SSE HV and LV cables in the northern section of the site;
- Requires disconnections and removal of the existing Portsmouth Water 150mm potable water main, SGN LP gas connection, BT connections and SSE substation, HV and LV plant, in order to facilitate the development.

Appendix A
Masterplan and Accommodation Schedule

CAR PARKING ANALYSIS

Havant Borough SPD standard - 1 bed / 1 space; 2 bed / 2 spaces; 3 bed 2 spaces; 4+ bed / 3 spaces

Allocated Car Spaces

One bed units with one allocated space = 10 units (100%)
Two bed units with two allocated spaces = 33 units (100%)
Three bed units with two allocated spaces = 33 units (100%)
*3.5" bed (three bedrooms + study townhouse) with two allocated spaces = 2 units (100%)
Four bed units with three allocated spaces = 12 units (100%)

Units with shortfall of allocated car spaces to SPD = Nil

Visitor Car Spaces

Total number car spaces allocated to units = 182 spaces
Total number unallocated visitor spaces (entire development) = 24 spaces (12%)
Full planning application area (34 allocated spaces to listed building conversions) = 8 spaces (24%)



Southleigh Park House - Masterplan

ACCOMMODATION SCHEDULE SUMMARY

Main House - Residential Conversion

Plot No.	Unit Type	No. of Bedrooms	Count	Gross Internal Floor Area
MH1	Duplex Apartment	2 bed	1	1341 sq.ft
MH2	Apartment	1 bed	1	722 sq.ft
MH3	Apartment	1 bed	1	765 sq.ft
MH4	Apartment	2 bed	1	844 sq.ft
MH5	Apartment	1 bed	1	535 sq.ft
MH6	Townhouse	2 bed	1	1080 sq.ft
MH7	Townhouse	3.5 bed	1	1168 sq.ft
MH8	Townhouse	3.5 bed	1	1192 sq.ft
MH9	Townhouse	2 bed	1	950 sq.ft
MH10	Apartment	1 bed	1	597 sq.ft
MH11	Apartment	3 bed	1	1188 sq.ft
MH12	Apartment	2 bed	1	794 sq.ft
MH13	Apartment	1 bed	1	594 sq.ft
Totals		Units	13	11770 sq.ft

LEGEND

- One bed apartments/ flats over garage
- Two bed apartments/ FoGs
- Two bed townhouse conversions
- Two bed houses
- Three bed houses / townhouses
- Four bed houses
- Refuse & emergency vehicular access

Other Listed Structures (Cloak House, Coach House, Lodge) - Residential Conversion

Plot No.	Unit Type	No. of Bedrooms	Count	Gross Internal Floor Area
CL1	Townhouse	2 bed	1	922 sq.ft
CL2	Townhouse	2 bed	1	953 sq.ft
CL3	Townhouse	2 bed	1	794 sq.ft
CO1	Townhouse	2 bed	1	858 sq.ft
CO2	Townhouse	3 bed	1	920 sq.ft
CO3	Townhouse	2 bed	1	698 sq.ft
LO	Lodge	2 bed	1	936 sq.ft
Totals		Units	7	6081 sq.ft

Masterplan - Residential Units

Count	Unit Type	No. of Bedrooms	Unit Gross Floor Area	Subtotal GIFA
5	FOG Type 1	1 bed	594 sq.ft	55 sq.m
3	FOG Type 2	2 bed	712 sq.ft	66 sq.m
5	House Type A	4 bed	1588 sq.ft	148 sq.m
14	House Type B	3 bed	902 sq.ft	84 sq.m
4	House Type C	3 bed	1008 sq.ft	94 sq.m
17	House Type D	2 bed	800 sq.ft	74 sq.m
2	House Type E	2 bed	800 sq.ft	74 sq.m
13	House Type F	3 bed	907 sq.ft	84 sq.m
7	House Type G	4 bed	1180 sq.ft	110 sq.m
Totals		70 Units		64957 sq.ft

SUMMARY

	No.	Total Area
Main House Conversion	13 units	11770 sq.ft
Other Listed Buildings	7 units	6081 sq.ft
Residential Units - Houses	70 units	64957 sq.ft
TOTALS	90 units	82808 sq.ft



Appendix B
LineSearch Before 'U' Dig Correspondence

Enquirer

Name	Miss Millie Rickleton	Phone	02076804088
Company	Ardent Consulting Engineers	Mobile	07825795838
		Fax	Not Supplied
Address	1 alie street suite 207 ldn Greater London E1 8DE		
Email	mrickleton@ardent-ce.co.uk		
Notes	Please ensure your contact details are correct and up to date on the system in case the LSBUD Members need to contact you.		

Enquiry Details

Scheme/Reference	160720		
Enquiry type	Initial Enquiry	Work category	Development Projects
Start date	09/06/2017	Work type	Housing
End date	11/01/2018	Site size	32604 metres square
Searched location	XY= 473712, 108006 Easting/Northing	Work type buffer*	25 metres
Confirmed location	473737 107933		

* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen

Site Map


Asset Owners

Terms and Conditions. Please note that this enquiry is subject always to our standard terms and conditions available at www.lineasearchbeforeudig.co.uk ("Terms of Use") and the disclaimer at the end of this document. Please note that in the event of any conflict or ambiguity between the terms of this Enquiry Confirmation and the Terms of Use, the Terms of Use shall take precedence.

Validity and search criteria. The results of this enquiry are based on the confirmed information you entered and are valid only as at the date of the enquiry. It is your responsibility to ensure that the Enquiry Details are correct, and LineasearchbeforeUdig accepts no responsibility for any errors or omissions in the Enquiry Details or any consequences thereof. LSBUD Members update their asset information on a regular basis so you are advised to consider this when undertaking any works. It is your responsibility to choose the period of time after which you need to resubmit any enquiry but the maximum time (after which your enquiry will no longer be dealt with by the LSBUD Helpdesk and LSBUD Members) is 28 days. If any details of the enquiry change, particularly including, but not limited to, the location of the work, then a further enquiry must be made.

Asset Owners & Responses. Please note the enquiry results include the following:

1. "LSBUD Members" who are asset owners who have registered their assets on the LSBUD service.
2. "Non LSBUD Members" are asset owners who have not registered their assets on the LSBUD service but LSBUD is aware of their existence. Please note that there could be other asset owners within your search area.

Below are three lists of asset owners:

1. **LSBUD Members who have assets registered within your search area. ("Affected")**
 - a. **These LSBUD Members will either:**
 - i. **Ask for further information ("Email Additional Info" noted in status).** The additional information includes: Site contact name and number, Location plan, Detailed plan (minimum scale 1:2500), Cross sectional drawings (if available), Work Specification.
 - ii. **Respond directly to you ("Await Response").** In this response they may either send plans directly to you or ask for further information before being able to do so, particularly if any payments or authorisations are required.
2. **LSBUD Members who do not have assets registered within your search area. ("Not Affected")**
3. **Non LSBUD Members who may have assets within your search area.** Please note that this list is not exhaustive and all details are provided as a guide only. It is your responsibility to identify and consult with all asset owners before proceeding.

National Grid. Please note that the LSBUD service only contains information on National Grid's Gas above 2 bar asset and all National Grid Electricity Transmission asset. For National Grid Gas below 2 bar asset information please go to www.beforeyoudig.nationalgrid.com

LSBUD Members who have assets registered on the LSBUD service within the vicinity of your search area.

List of affected LSBUD members

No LineSearchbeforeUdig Asset Owners within the Zone of Interest

LSBUD members who do not have assets registered on the LSBUD service within the vicinity of your search area. Please be aware that LSBUD members make regular changes to their assets.

List of not affected LSBUD members

AWE Pipeline	Esso Petroleum Company Limited	Petroineos
BOC Limited (A Member of the Linde Group)	FibreSpeed Limited	Phillips 66
BP Midstream Pipelines	Gamma	Premier Transmission Ltd (SNIP)
BPA	Humbly Grove Energy	Redundant Pipelines - LPDA
Carrington Gas Pipeline	HV Cables	RWEnpower (Little Barford and South Haven)
CATS Pipeline c/o Wood Group PSN	IGas Energy	SABIC UK Petrochemicals
Cemex	Ineos Enterprises Limited	Scottish Power Generation
Centrica Energy	INEOS Manufacturing (Scotland and TSEP)	Seabank Power Ltd
Centrica Storage Ltd	Lark Energy	Shell (St Fergus to Mossmorran)
CLH Pipeline System Ltd	Lightsource SPV Limited	Shell Pipelines
ConocoPhillips (UK) Ltd	Mainline Pipelines Limited	Total (Finaline, Colnbrook & Colwick Pipelines)
Coryton Energy Co Ltd (Gas Pipeline)	Manchester Jetline Limited	Transmission Capital
CSP Fibre c/o Centara	Manx Cable Company	Uniper UK Ltd
E.ON UK CHP Limited	Marchwood Power Ltd (Gas Pipeline)	Vattenfall
EirGrid	National Grid Gas (above 2 bar) and National	Western Power Distribution
Electricity North West Limited	Grid Electricity Transmission	Wingas Storage UK Ltd
ENI & Himor c/o Penspen Ltd	Northumbrian Water Group	Zayo Group UK Ltd c/o JSM Group Ltd
ESP Utilities Group	NPower CHP Pipelines	
ESSAR	Oikos Storage Limited	
	Perenco UK Limited (Purbeck Southampton Pipeline)	

The following non-LSBUD members may have assets in your search area. It is **YOUR RESPONSIBILITY** to contact them before proceeding. Please be aware this list is not exhaustive and it is your responsibility to identify and contact all asset owners within your search area.

Non-LSBUD members (Asset owners not registered on LSBUD)			
Asset Owner	Preferred contact method	Phone	Status
BT	https://www.swns.bt.com/pls/mbe/welcome.home	08009173993	Not Notified
CityFibre	asset.team@cityfibre.com	033 3150 7282	Not Notified
Colt	plantenquiries@catelecomuk.com	01227768427	Not Notified
Energetics Electricity	plantenquiries@energetics-uk.com	01698404646	Not Notified
ENGIE	nrswa@cofely-gdifsuez.com	01293 549944	Not Notified
Fulcrum	FPLplantprotection@fulcrum.co.uk	03330146455	Not Notified
GTC	https://pe.gtc-uk.co.uk/PlantEnqMembership	01359240363	Not Notified
Hibernia Networks	info@hibernianetworks.com	01704 322 300	Not Notified
Instalcom	plantenquiries@instalcom.co.uk	02087314613	Not Notified
Interoute	interoute.enquiries@plancast.co.uk	02070259000	Not Notified
Mobile Broadband Network Limited	mbnl.plant.enquires@turntown.com	01212 621 100	Not Notified
Portsmouth Water	m.white@portsmouthwater.co.uk	02392449082	Not Notified
Redcentric plc	plant-enquiries@redcentricplc.com	0845 200 2200	Not Notified
Scottish and Southern Energy	mapping.services@sse.com	01256337294	Not Notified
Sky UK Limited	nrswa@sky.uk	02070323234	Not Notified
Southern Gas Networks	plantlocation@sgn.co.uk	08009121722	Not Notified
Southern Water	searches@southernwater.co.uk	08452700212	Not Notified
Tata, KPN (c/- McNicholas)	plantenquiries@mcnicholas.co.uk	03300558469	Not Notified
Utility assets Ltd	assetrecords@utilityassets.co.uk		Not Notified
Verizon Business	osp-team@uk.verizonbusiness.com	01293611736	Not Notified
Virgin Media	http://www.digdat.co.uk	08708883116	Not Notified
Vodafone	osm.enquiries@atkinsglobal.com	01454662881	Not Notified
Vtesse Networks	https://vtplant.vtesse.com	01992532100	Not Notified

Disclaimer

The results of this Enquiry have been provided for the sole use of the Enquirer and no other party. The asset information on which the Enquiry results are based has been provided by LineasearchbeforeUdig members, LineasearchbeforeUdig will provide no guarantee that such information is accurate or reliable nor does it monitor such asset information for accuracy and reliability going forward. There are also asset owners which do not participate in the enquiry service operated by LineasearchbeforeUdig, including but not exclusively those set out above. Therefore, LineasearchbeforeUdig cannot make any representation or give any guarantee or warranty as to the completeness of the information contained in the enquiry results.

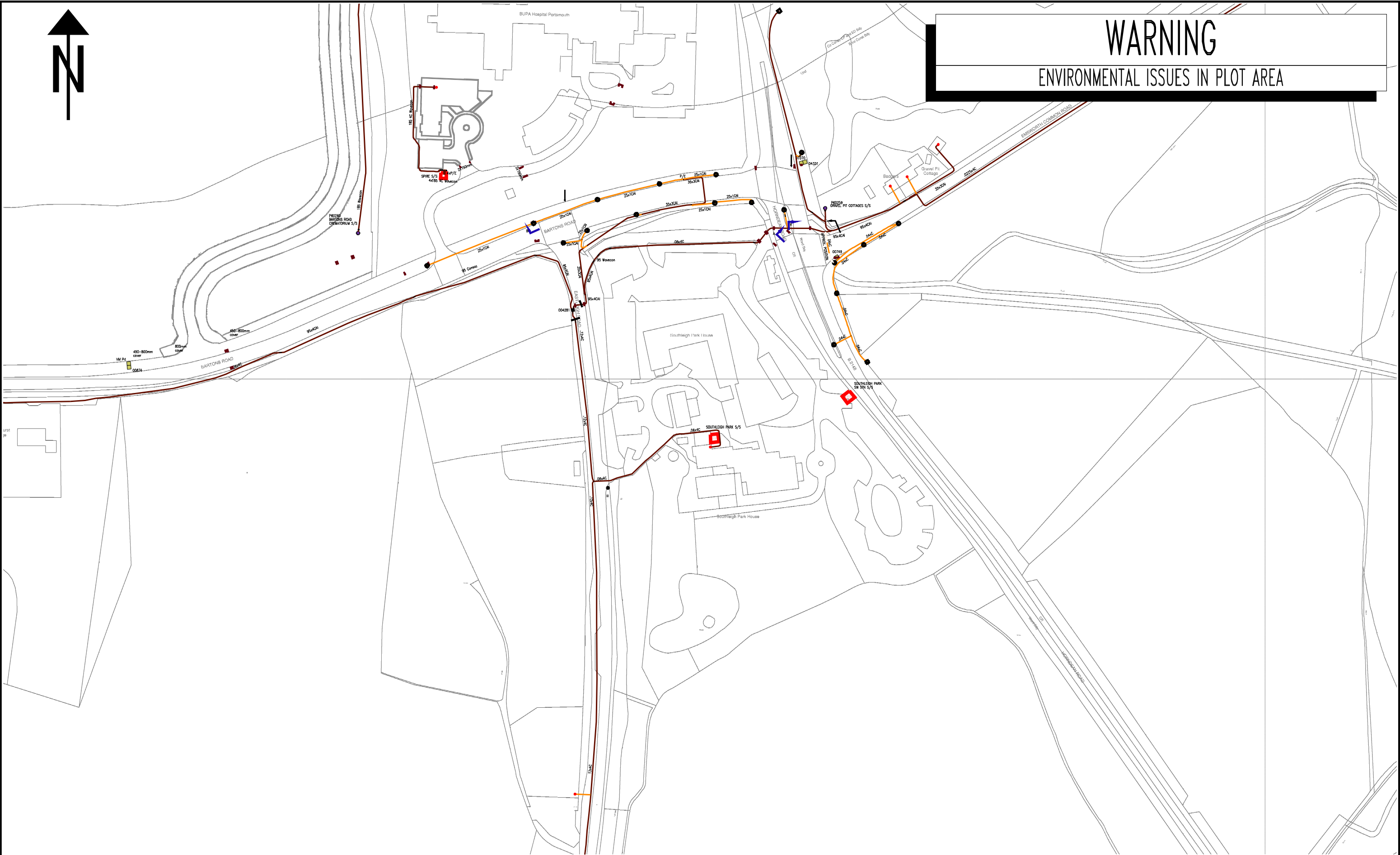
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Appendix C
UK Power Networks Correspondence



WARNING

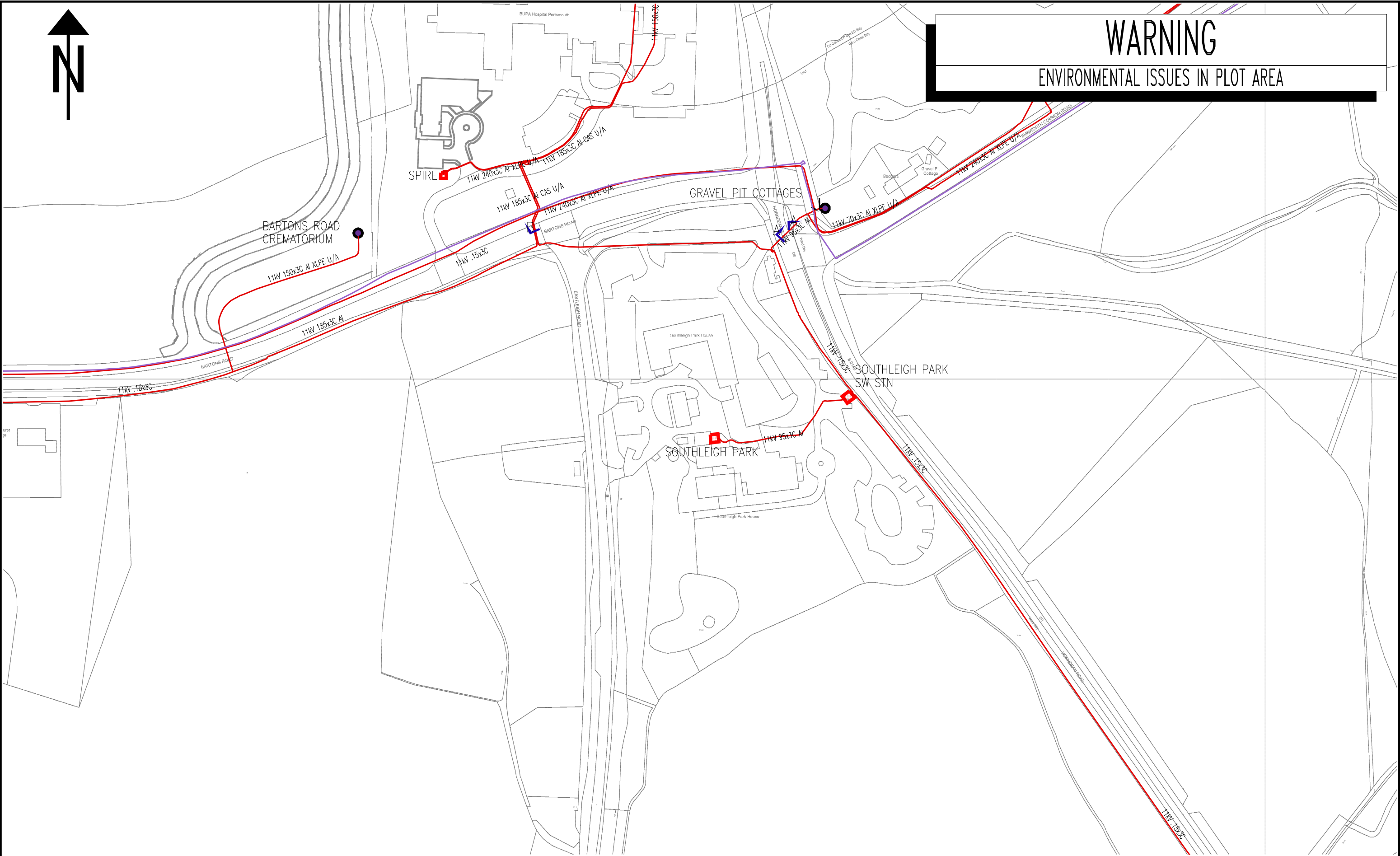
ENVIRONMENTAL ISSUES IN PLOT AREA

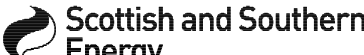


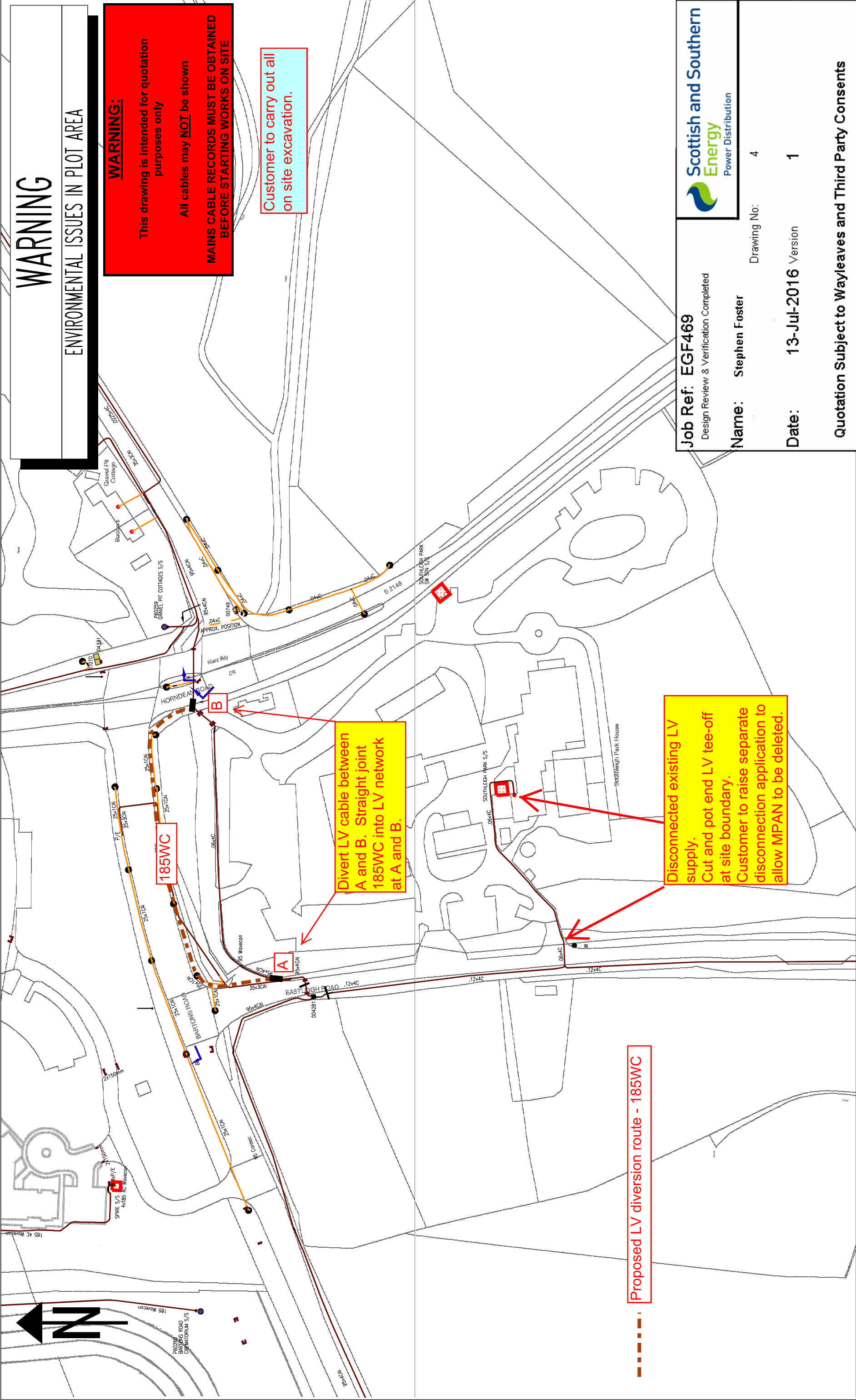


WARNING

ENVIRONMENTAL ISSUES IN PLOT AREA



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID					WARNING	BASED UPON THE ORDNANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. CROWN COPYRIGHT RESERVED.	 Scottish and Southern Energy			
services l.v. h.v. e.h.v.					There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from HMSO)	This copy has been made by or with the authority of SOUTHERN ELECTRIC p.l.c. pursuant to section 47 of the Copyright, Designs and Patents Act 1988 ('the Act'). Unless the Act provides a relevant exception to copyright, the copy must not be copied without the prior permission of the copyright owner.	H.V. MAINS RECORD		Grid Ref: SU73690797	
FOOTPATH/UNMADE 0.45m 0.45m 0.60m 0.80m							If you are unsure & need to seek advice before commencing excavations please contact		Scale: 1:1821	
ROAD CROSSING 0.60m 0.60m 0.75m 0.90m							Scottish and Southern Energy plc. Registered in Scotland No 117119. Registered Office: Inverlorn House 200 Dunkeld Road, Perth, PH1 3AQ.	PORTSMOUTH 023–9262–4200	UNCONTROLLED COPY Subject to Revision Master held at	
AGRICULTURAL 1.00m 1.00m 1.00m 1.10m										
l.v./services – up to 1000V.										
h.v. – over 1000V. to 11,000V.					WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM HMSO)			Date: 17/06/2016		
e.h.v. – 22,000V. to 132,000V.										



WARNING

ENVIRONMENTAL ISSUES IN PLOT AREA

WARNING:

This drawing is intended for quotation purposes only

All cables may NOT be shown

MAINS CABLE RECORDS MUST BE OBTAINED BEFORE STARTING WORKS ON SITE

Customer to carry out all on site excavation.

Divert LV cable between A and B. Straight joint 185WC into LV network at A and B.

Proposed LV diversion route - 185WC

Disconnected existing LV supply.
Cut and pot end LV tee-off at site boundary.
Customer to raise separate disconnection application to allow MPAN to be deleted.

Job Ref: EGF469
Design Review & Verification Completed

Name: Stephen Foster

Date: 13-Jul-2016

Drawing No: 4

Version: 1

Quotation Subject to Wayleaves and Third Party Consents

NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				WARNING There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive - Avoiding Danger from Buried Cables - should be consulted before commencing excavation work. (available from HNSO) WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE G59 SHOULD BE CONSULTED. (AVAILABLE FROM HNSO)				Based upon the Ordnance Survey map with the sanction of the Controller of H.M. Stationery Office. Crown Copyright Reserved. This copy has been made by or with the authority of Southern Electric plc. pursuant to section 47 of the Copyright, Designs and Patents Act 1988 (the Act), unless the Act provides a relevant exception to the copyright. Use of this copy must not constitute an infringement of the copyright owner. Scottish and Southern Energy plc Registered in Scotland No. 117119. Registered Office: Inverlorn Road 200 Dunkeld Road, Perth, PH1 3AQ. UNCONTROLLED COPY Subject to Revision Master held at				L.V. MAINS & Services PORTSMOUTH 023-9262-4200				Grid Ref: SU73740799 Scale: 1:1250 Date: 13/07/2016			
services l.v. h.v. e.h.v.																			
FOOTPATH 0.40m 0.45m 0.60m 0.75m																			
ROAD CROSSING 0.60m 0.60m 0.75m 0.90m																			
l.v./services - up to 1000V.																			
h.v. - over 1000V. to 11,000V.																			
e.h.v. - 22,000V. to 132,000V.																			

Our reference: EGF469/1
Your reference:



Connections And Engineering
Walton Park
Walton Road
Cosham
PO6 1UJ

Millie Rickleton
Ardent Consulting Engineers
Suite 207
One Alie Street
London
E1 8DE



01202 784634



stephen.foster@sse.com

www.ssepd.co.uk

15 July 2016

Dear Sir,

New development at Southleigh Park House, Havant

Thank you for your recent enquiry. I am pleased to provide you with my quotation for the new electricity connections at the above development. My proposals are subject to our obtaining all necessary legal consents to carry out the work as planned, including any consent required from third parties. Please refer to our website for more detailed information www.ssepd.co.uk/LandRights/



This all works charge has been quoted inc. VAT (as applicable) and is valid for 90 days from the date of this letter.

You can see a full breakdown of these calculations on the next page. Please note that we will not be able to schedule works until we have received your acceptance, any Connection Agreements and your full payment for the works detailed in this quotation.



The quotation has been calculated based on the information provided to date but please be aware that we will charge for any additional work required that has not been included in this schedule of works. Therefore, it's really important to make sure you check the quote thoroughly to avoid incurring any further charges. In addition to this, it is important to note that the price stated in this offer is valid for acceptance for 90 days. This price will then be valid for one year from the date of acceptance. All work must be completed within one year, at which point we will reserve the right to revise the terms of our contract with you, unless any delays to the completion of work have been within our control.



I have calculated this quotation on the assumption that you will carry out all of the excavation and backfilling of the cable trenches required, on the land in your or your clients' ownership.

I have enclosed with this letter an information pack, which I hope will prove useful. I trust the information I have provided is of assistance and if I can help further please do not hesitate to contact me. Alternatively, you may find answers to any questions you may have on our web site www.ssepd.co.uk.

Yours sincerely,

Stephen Foster
Graduate Trainee

What you need to do

→ You are required to ensure that all works on your own electrical installations are carried out by a qualified electrical contractor. Statutory qualification schemes, for Building Regulation purposes, are currently run by NICEIC, SELECT, ECA, NAPIT, ELECSA, British Standards Institution and BRE Certification.

→ Please enclose either a cheque or, if paying by Bank Transfer, make payment before acceptance.

Please note

! Southern Electric Power Distribution plc is the Distribution Network Operator (DNO) for the area in which your project is located. There are Independent Connection Providers (ICPs) and Independent Distribution Network Operators (IDNOs) who may be able to provide you with an alternative quotation to carry out some of this work. Please refer to www.lloydsregister.co.uk for further details.

! This quotation serves as a counter-notice under clause 16A (5) of the Electricity Act 1989. Should you have any concerns relating to this quotation please contact us using the details on the first page of this letter and we will try to resolve any issues directly with you. If you still then have concerns, the Act allows for any unresolved disputes relating to the provision of this quotation to be determined by the Gas and Electricity Markets Authority.

→ We can often offer a payment schedule depending on the timescale and costs of your project..

→ If your project includes reinforcement your alternative provider may be able to deliver this for you.

→ Please contact your designer if you wish to discuss.

Your all works quotation explained

Description of connection charges

Connections: 91 Domestic
Install 1 substation
Lay approximately 10m of HV cable and 870m of LV cable.

Total connection charges

Description of diversion charges

Lay approximately 160m of HV cable and 180m of LV cable.

Total diversion charges

Description of non-contestable charges

Assessment and design
Final connection

Total non-contestable charges

All works totals

Net total at standard rate VAT
Net total at low rate VAT
Net total at zero rate VAT
VAT at standard rate (20%)
VAT at low rate (5%)

Total charge to applicant

Alternative quotation to provide non-contestable works only

Some of the works included in the above quotation are contestable and may be delivered by an Independent Connections Provider (ICP) or Independent Distribution Network Operator (IDNO). Such providers are listed at <http://www.lloydsregister.co.uk/schemes/NERS/providers-list.aspx>, and may be able to offer you alternative quotations for the work.

We must provide the non-contestable works if you choose to progress with this connection. Our quotation for the non-contestable works only is detailed below:

Description of non-contestable charges

Assessment and design

Final connection

Total non-contestable charges

Non-contestable works totals

Net total at standard rate VAT

VAT at standard rate (20%)

Total charge to applicant

If you accept the non-contestable works quotation you must appoint an ICP or IDNO to deliver the contestable works and ensure your full connection is completed. We shall not be obliged to commence any works until you and your appointed ICP or IDNO have entered into an Adoption Agreement for the contestable works to be adopted by us. We will levy additional charges on your appointed ICP or IDNO to cover our costs in respect to adoption of the works adopted by us.

Our charge for the non-contestable works will remain valid for one year from the date of acceptance. All non-contestable works must be completed within this year, at which point we will reserve the right to revise the terms of our contract with you, unless any delays to the completion of the work have been within our control.

Additional charges and assumptions

Where you are undertaking any cable trenching, you must also excavate and reinstate any joint holes along these cable routes as required, during the works. Our Team Manager will discuss the requirements with you should you wish to proceed.

Important notice: Traffic Management Act - Street Works Permit schemes

Local Authorities in England and Wales are likely to introduce a new Permit Scheme for street works that will include charges for providing the permits. It is not clear at this time which Local Authorities will introduce this scheme, when the scheme will be introduced, which streets will be affected or what the level of charges will be. These charges are not within Southern Electric Power Distribution plc's control, and cannot be absorbed by us.

This quotation excludes any charges that may be levied by the Local Authority in respect of these charges. It is important to note that any such charges which are relevant to this project will be subsequently passed on to you through a separate invoice. In addition to the actual charges from the Local Authority, we will charge £25.00 + VAT to cover our administrative charges. Acceptance of this quotation means that you also accept these additional charges.

You may wish to seek clarification on how these charges may affect you from the relevant Local Authority.

Connections

Ducting, support and containment from rising main services and main cables are to be provided by the developer.

All on site excavation and reinstatement is to be carried out by the developer

Diversions

All on site excavation and reinstatement is to be carried out by the developer

A suitable level substation site(s) complying with our requirements shall be provided by you and conveyed to us at the nominal price of £1. You will meet your legal and other fees and expenses, our legal and other fees and expenses, and the legal and other fees and expenses of any consensor in connection with the conveyancing to follow hereon. My quotation does not include any of the legal and other fees and expenses in connection with the conveyancing.

Job reference: EGF469/1

Quotation for new supply at Southleigh Park House, Havant

Please indicate which quotation you wish to accept:

☐

All Works

☐

Non-Contestable Works Only

You can pay for your quotation by credit or debit card, cheque, bank transfer or via our website if you are registered. Please note that we only accept card payments for charges up to £5,000 in value (including VAT). If you wish to pay credit or debit card, please call our payment line on: England: 0800 197 5527 or Scotland: 0800 197 5528.

If paying by cheque, please make it payable to Southern Electric Power Distribution plc. Please complete this form and return it with your cheque to the address on next page.

If paying by bank transfer, you must instruct your bank to transfer funds **before** returning this form to the address on the next page. Please ask your bank to label your payment with the job reference as given above. Our bank account details are:

Account name:	Southern Electric Power Distribution plc
Bank:	NatWest
Sort code:	60-17-21
Account number:	89542592
IBAN code:	GB17 NWBK 601721 89542592
UTR:	64581 10616
VAT registration number:	553 7696 03

Amount paid:



Choose your method of payment:

☐

Cheque

☐

Bank Transfer

☐

Credit/Debit Card



A receipt will be issued to the individual or the company the quotation is issued to. You will need to talk to us if this is not correct.



If we receive your payment without this completed acceptance form, we will assume that you have accepted our terms and conditions, enclosed herewith.



If you cancel your project before completion we will deduct any costs incurred which will include the costs of any site visits conducted, drawings and plans produced for your works and administration costs incurred prior to receipt of your cancellation notice.



If you accept our Non-Contestable Works quotation, you understand that we will not complete all of the connection works and you must appoint an Independent Connections Provider (ICP) or Independent Distribution Network Operator (IDNO) to provide your connection.

I accept your quotation and the terms and conditions enclosed.

Signed:

Date:

Please email a signed copy to quote.acceptance@sse.com or send to the address on the next page.

Quote Acceptance Team
Connections and Engineering
Scottish and Southern Energy Power Distribution
Walton Road
Cosham
PO6 1UJ



Information pack

For your information, we have attached this pack which we hope you will find useful. This pack contains all of the information you should need relevant to the work for which you have been quoted. However, if you have any further questions at all, please don't hesitate to contact us.

Contents

Safety

When we carry out any job, Safety is our first priority. Our motto is, "We do it safely, or not at all". Please read the enclosed information carefully and if in any doubt, please ask us to explain.

Connections Guaranteed Standards of Service

The Connections Guaranteed Standards of Service are guaranteed standards of service levels that must be met by each distribution company. These standards have been set to guarantee a level of service that is reasonable to expect companies to deliver in all cases.

These standards cover how quickly we need to quote you, contact you and arrive and complete works on site.

If we fail to meet the level of service required, we must make a **payment** to you, subject to certain exemptions. If you are interested in finding out more about the Connections Guaranteed Standards of Service and what you are entitled to, please visit our website:

www.ssepd.co.uk/CustomerService/PerformanceStandards/

Your connection details

This details what size (capacity) and voltage your connection(s) will be. It includes your Connection Agreement (if required), and advice on appointing a supplier, what you need to do to get a meter installed, positioning of your connection point and Earthing of your connection.

Your site requirements schedule

This gives details of any site works you will need to complete for us to meet your requirements. It includes what you need to know about cable routes and trenching. It also includes any special or unusual load you have requested to be included in your connection such as motors and welders.

Safety

We ask you to take note of the following:-

In accordance with the Health and Safety Executive Guidance Note GS6, you are required to take every precaution to ensure that cranes, tipper lorries, scaffolding, ladders and other plant employed on your works are kept at a safe distance from overhead electric lines and their supports and that such supports are not disturbed by excavations. Goal posts with height restriction will need to be placed at appropriate locations for vehicles passing underneath Scottish and Southern Energy Power Distribution's overhead lines.

In accordance with Health and Safety Executive Guidance Note HSG47 care will also be necessary when digging in proximity to underground cables, particular if mechanical excavators are used.

Overhead lines, underground cables and other electrical plant must be regarded as being "live". Before commencing work in proximity to such plant written notification must be given to Scottish and Southern Energy Power Distribution.

If during the course of your works, any cable should be damaged by you/or your contractors, then this fact must be reported to our Emergency Service Centre on 08000 72 72 82 (Southern Electric Power Distribution plc) immediately. The cost of any repairs will be fully rechargeable.

Locating cables on site

The drawings that I have enclosed with this quotation are not suitable for locating cables on site. To obtain the latest copies of our cable records please send a plan of the area in question together with your contact details to:

Mapping Services
Scottish and Southern Energy Power Distribution
P O Box 6206
BASINGSTOKE
RG24 8BW

Tel: 01256 337294
Fax: 01256 337295

Requesting details of any Scottish and Southern Energy Power Distribution plant and cables in the area. You must excavate hand-dug trial holes to establish the actual positions of all cables before any mechanical excavation works commence.

Your connection details

Connection - Domestic (Not Flats)

The connection to each premises will be one phase, 230 Volts, alternating current, at 50Hz, terminating in a fused cut out with a maximum capacity of 100 Amps subject to an after diversity maximum demand of 142kVA for the entire development.

How to get your meter

It is extremely important for you to note that your meters cannot be installed by Scottish and Southern Energy Power Distribution. Although Scottish and Southern Energy Power Distribution own the cables coming into the premises **we are not an electricity supply company and we do not install the meters.** You must arrange a supply contract with the Supplier of your choice. Once you have chosen your preferred Supplier you will need to contact them to register the MPAN(s) associated with the new premises. We suggest you do this as soon as possible to avoid any delays in being able to use your electricity supply.

Once you have registered with your chosen supplier, they will arrange for their Meter Operator to fit the meter(s) and energise the supply(ies). Meter(s) cannot be installed until all connection works have been completed by us.

What is an MPAN

- The MPAN(Meter Point Administration Number) is a unique number that identifies each electricity supply point.
- The MPAN is sometimes also called a Supply Number but it should not be confused with your customer reference number.
- **Every MPAN number must be registered with a Supplier before a meter can be connected and final energisation can take place.**

Earthing

The electrical installation must comply with statutory requirements. Protection against earth leakage is at all times the responsibility of the customer. We can assist and will provide a PME (TN-CS) terminal at the meter position. We strongly recommend that you make use of this facility. The bonding of the electrical installation must meet the requirements of the current edition of the IET Wiring Regulations.

Service intake housing – cabinets

The house service cable must be installed in 32mm internal diameter **black** polyethylene ducting (complying with the current edition of the ENATS specification 12-24) from our mains cable to the meter position. You must supply and install this ducting as you carry out your site works. Please lay the ducting with a minimum cover of 450mm on the most direct route from the boundary of the property to its meter position. You must provide a draw wire or rope in the ducting and you will be responsible for clearing the ducting if it is found to be blocked. You must install cable marker tape over all service ducting, directly above the ducting at a depth of 250mm below finished ground level.

Meter location

The service termination and metering equipment for each premises will be at the position shown on your plan. We will need a wall space 600mm high x 450mm wide to accommodate our equipment. The bottom of our meter board will be fixed between 450mm and 1,050mm above the finished floor level. The meter position must not be situated in a kitchen, bathroom, toilet or any other location deemed to be unsafe for installation of the equipment. The length of interconnecting cable (tails) between the meter position and the customer's consumer unit must not exceed 3.0m. If your gas meter will be in the same area as the electricity

service, for safety, the gas meter must be at least 300mm away from the electrical equipment and well ventilated.

We must be able to securely fix our equipment to the wall. The wall space must be of a masonry construction or provided with an 18mm thick fire retardant wooden backboard. This location must be easily accessible with frontal clearance for installation and maintenance of at least 1.0m.

Connection - Domestic (Flats)

The connection to each premises will be one phase, 230 Volts, alternating current, at 50Hz, terminating in a fused cut out with a maximum capacity of 100 Amps subject to an after diversity maximum demand of 63kVA for the entire development.

You will need to provide ducts between the multiway unit and the individual flats. The meter position will be in the flat or in a suitable external cabinet adjacent to the flat. It is intended to install a multiway unit in a convenient position with rising service cables to the individual flats. The service cables will be installed as part of our works and will be owned and maintained by Scottish and Southern Energy Power Distribution.

You will need to provide ducts to facilitate installation and possible replacement of the individual service cables to each flat. These must be installed in such a way that faulted service cables may be replaced without the need to enter the property of a third party. This generally requires a plastic or earthenware duct from the distribution position to the individual flats. These should be installed in public areas, with a maximum of one easy radius bend between draw in points. You should provide a draw-rope for the full length of each duct.

British Standard BS.8313 "Code of Practice for Accommodation of Building Services in Ducts" gives guidance on the specification of such ducts etc., and gives details of fire resisting barriers etc. which may be required.

How to get your meter

It is extremely important for you to note that your meters cannot be installed by Scottish and Southern Energy Power Distribution. Although Scottish and Southern Energy Power Distribution own the cables coming into the premises **we are not an electricity supply company and we do not install the meters.** You must arrange a supply contract with the Supplier of your choice. Once you have chosen your preferred Supplier you will need to contact them to register the MPAN(s) associated with the new premises. We suggest you do this as soon as possible to avoid any delays in being able to use your electricity supply.

Once you have registered with your chosen supplier, they will arrange for their Meter Operator to fit the meter(s) and energise the supply(ies). Meter(s) cannot be installed until all connection works have been completed by us.

What is an MPAN

- The MPAN(Meter Point Administration Number) is a unique number that identifies each electricity supply point.
- The MPAN is sometimes also called a Supply Number but it should not be confused with your customer reference number.
- **Every MPAN number must be registered with a Supplier before a meter can be connected and final energisation can take place.**

Earthing

The electrical installation must comply with statutory requirements. Protection against earth leakage is at all times the responsibility of the customer. We can assist and will provide a PME (TN-CS) terminal at the meter position. We strongly recommend that you make use of this facility. The bonding of the electrical installation must meet the requirements of the current edition of the IET Wiring Regulations.

Meter location

The service termination and metering equipment for each premises will be at the position shown on your plan. We will need a wall space 600mm high x 450mm wide to accommodate our equipment. The bottom of our meter board will be fixed between 450mm and 1,050mm above the finished floor level. The meter

position must not be situated in a kitchen, bathroom, toilet or any other location deemed to be unsafe for installation of the equipment. The length of interconnecting cable (tails) between the meter position and the customer's consumer unit must not exceed 3.0m. If your gas meter will be in the same area as the electricity service, for safety, the gas meter must be at least 300mm away from the electrical equipment and well ventilated.

We must be able to securely fix our equipment to the wall. The wall space must be of a masonry construction or provided with an 18mm thick fire retardant wooden backboard. This location must be easily accessible with frontal clearance for installation and maintenance of at least 1.0m.

Cable entry

You will need to provide a 150mm diameter black Ridgiduct or earthenware duct, as previously specified, through the footings of the building at a nominal depth of 500mm below external finished ground level. The duct(s) should terminate in an easy radius bend at finished floor level against the specified wall space. We will need a wall space measuring 1,800mm high x 1,100mm wide for our cable termination and multi way distribution board.

We must be able to securely fix our equipment to the wall. The wall space must be of a masonry construction or provided with an 18mm thick fire retardant wooden backboard. This location must be easily accessible with frontal clearance for installation and maintenance of at least 1.0m.

Your site requirements schedule

Including any detailed requirements for our on-site works, what you need to know about cable routes and trenching and any special or unusual load you have requested to be connected such as motors and welders.

Scottish and Southern Energy Power Distribution Reference: **EGF469/1**

Site address: Southleigh Park House
Eastleigh Road
Havant
PO9 2PE

Quotation date: 15 July 2016

This schedule gives details of the site works you will need to complete for us to meet your requirements. Please read this document carefully as any problems with these works may result in additional charges and/or delays. If you need any assistance please contact me.

When we attend to undertake our works you must ensure that any substation site/s, cable routes and any associated overhead line positions are clear of all encumbrances and ready for on site construction.

You are required to ensure that all works on your own electrical installation are carried out by an electrical contractor who is registered. For Government approved organisations that register electricians please refer to the Electrical Safety Council.

Cable routes and ducts

Before we can lay our cables you will need to set out kerb lines, establish levels where roads or footpaths are not yet being constructed and, provide routes clear of obstructions or building materials. We will charge you for any subsequent alterations to our cables because of changes to the site layout.

You will need to install 150mm diameter road crossing ducts. These must be twin walled black polyethylene ducting such as Ridgiduct, complying with the current edition of the ENATS specification 12-24.

Duct crossings must be laid at a depth of not less than 600mm and not more than 800mm below the finished road surface. The crossings should extend approximately 150mm beyond the kerb line on either side of the road and the ends should be blanked off to prevent ingress of spoil.

Please ensure that ducts provided for our use are spaced at least 1.0m clear of inspection pits and other duct lines to ensure working clearance at the ends of the ducts.

Trenching and inspection of cables

Where you are trenching for our cables, further information is available in our 'Mains Trenching Guide'. Please ask our Team Manager for a copy. This will ensure you meet our requirements and comply with the NJUG recommendations.

We will blind our cables using suitable material - which must be free of sharp stones and rocks etc.. Where the excavated material is not suitable, you will need to provide us, free of charge, an alternative material for this purpose, typically sand. You will be responsible for backfilling and reinstatement of the trenches. Please contact our Team Manager a few days before you start works on site and he will visit and advise you on any additional requirements.

Service strips

Your plan shows areas where you appear not to be providing clearly defined footpaths as part of the development. Please confirm that you will provide 2m wide service strips for adoption by the Local Authority. When you reply, please include highlighted copies of Section 38 plans.

You are required to ensure that all works on your own electrical installation are carried out by an electrical contractor who is registered. For Government approved organisations that register electricians please refer to the Electrical Safety Council.

Removal of Scottish and Southern Energy Power Distribution equipment

Any equipment disconnected from our network is still our property. You may not remove any disconnected plant or cables without our prior agreement.

Harmonic distortion limits

The complete installation must strictly comply with the requirements detailed in the Electricity Association Engineering Recommendation G5/4 "Planning levels for harmonic voltage distortion and the connection of non-linear equipment to transmission systems and distribution networks in the United Kingdom". The connection must comply with the Stage 1, Stage 2 or Stage 3 limits as specified by G5/4.

Substation

To provide a connection we shall need a new distribution substation. We require a site nominally 4.0m wide x 4.0m deep site for the substation and its equipment. The subsoil must be capable of withstanding a load of 8.0 tonnes per square metre to avoid settlement.

It is important to avoid delays with the legal transactions. I will ask our Wayleave Officer to pursue this when I receive your acceptance, any Connection Agreements and payment of the quotation. Please ask your solicitor to write to the Wayleave Officer at this office as soon as possible, enclosing a copy of the Registered Title for the substation site where appropriate. We will be unable to start our substation site works until the legal formalities have been completed.

We need unrestricted access to the substation for operational purposes. Access may also be required, at a later stage, to enable additional connections from the substation to our network. Any future site security, both during and after completion of the development, must reflect this requirement.

Substation enclosure

The substation will be fully enclosed in a glass reinforced plastic (GRP) housing, the cost of which is included in this schedule.

Multiple points of supply to a site

We are providing more than one point of supply to this site. It is essential that you / your client / the site operatives **do not** allow the interconnection of the supply points.

Southleigh Park House - Masterplan
ACCOMMODATION SCHEDULE

Main House - Residential Conversion			
Plot No.	Unit Type	No. of Bedrooms Count	Unit Gross Floor Area
MH1	Apartment	2	890 sq.ft
MH2	Apartment	1	720 sq.ft
MH3	Apartment	1	756 sq.ft
MH4	Apartment	1	844 sq.ft
MH5	Apartment	2	510 sq.ft
MH6	Apartment	1	1093 sq.ft
MH7	Townhouse	3.5	1167 sq.ft
MH8	Townhouse	2	1193 sq.ft
MH9	Townhouse	2	942 sq.ft
MH10	Apartment	1	597 sq.ft
MH11	Apartment	2	890 sq.ft
MH12	Apartment	1	720 sq.ft
MH13	Apartment	1	692 sq.ft
MH14	Apartment	1	597 sq.ft
Totals		14	11611 sq.ft

Other Unit Structures (Coach House, Lodge) - Residential Conversion			
Plot No.	Unit Type	No. of Bedrooms Count	Unit Gross Floor Area
CL1	Townhouse	3	1160 sq.ft
CL2	Townhouse	3	1160 sq.ft
CO1	Townhouse	2	900 sq.ft
CO2	Townhouse	2	900 sq.ft
CO3	Townhouse	2	900 sq.ft
LO	Lodge	2	890 sq.ft
Totals		6	6980 sq.ft

Masterplan - Residential Units			
Count	Unit Type	No. of Bedrooms	Unit Gross Floor Area
1	Flat over Garage J	2	594 sq.ft
2	House Type A	1	712 sq.ft
3	House Type B	4	1588 sq.ft
4	House Type C	3	902 sq.ft
5	House Type D	3	1008 sq.ft
6	House Type E	2	800 sq.ft
7	House Type F	3	907 sq.ft
8	House Type G	3	1168 sq.ft
Totals		21	1168 sq.ft

Apartment Block			
Plot No.	Unit Type	No. of Bedrooms Count	Unit Gross Floor Area
A1	Apartment	2	650 sq.ft
A2	Apartment	2	650 sq.ft
A3	Apartment	2	650 sq.ft
A4	Apartment	2	705 sq.ft
A5	Apartment	2	705 sq.ft
A6	Apartment	2	705 sq.ft
A7	Apartment	2	650 sq.ft
A8	Apartment	2	650 sq.ft
A9	Apartment	2	650 sq.ft
A10	Apartment	2	705 sq.ft
A11	Apartment	2	705 sq.ft
A12	Apartment	2	705 sq.ft
A13	Apartment	2	650 sq.ft
A14	Apartment	2	650 sq.ft
A15	Apartment	2	705 sq.ft
A16	Apartment	2	705 sq.ft
A17	Apartment	2	705 sq.ft
A18	Apartment	2	705 sq.ft
Totals		36	12180 sq.ft

SUMMARY			
	No.	Total Area	
Main House Conversion	14 units	11611 sq.ft	1079 sq.m
Other Listed Buildings	6 units	5880 sq.ft	540 sq.m
Residential Units	20 units	17491 sq.ft	1619 sq.m
- Houses	53 units	52313 sq.ft	4860 sq.m
- Apartments	18 units	12180 sq.ft	1133 sq.m
TOTALS	81 units	81990 sq.ft	7618 sq.m

Existing RMU to remain.

Existing HV cable

Proposed HV cable

Proposed LV mains cable

Proposed service cable

Breech joint

Rising mains

Service joint

Customer to carry out all on site excavation.

New 500kVA transformer. For both LV feeders install 300WC 3C for first 50m out of substation, tapering to 185WC 3C. Install 300WC tails in additional 3 spare feeder ways.

HV diversion between A and B.

150XLPE

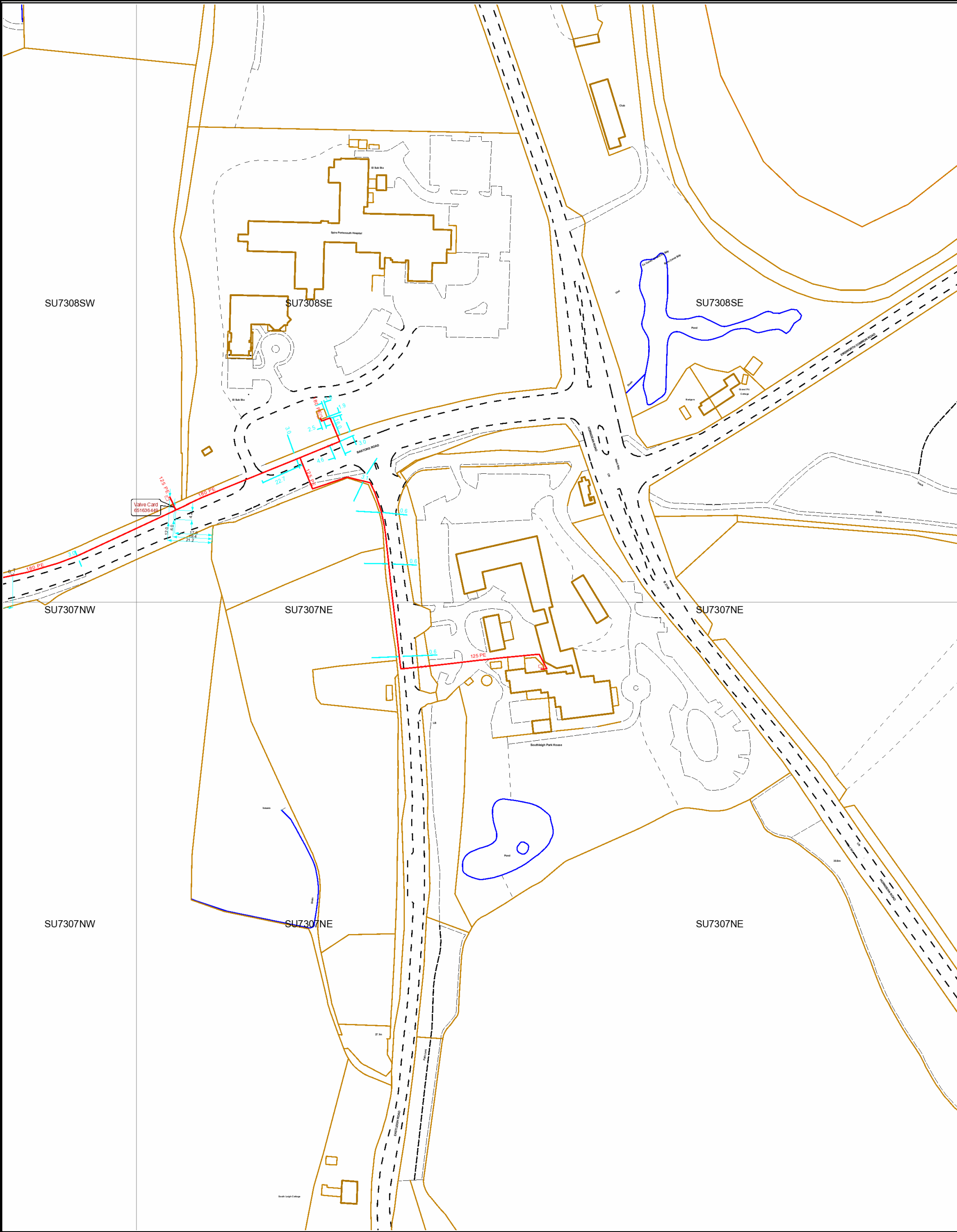
Disconnect C to D, decommission and remove Southleigh Park S/S at C.

Alignment of road as previous schemes (following existing roadways), but not to be resurfaced within redwood RPZ to be resurfaced

Job Ref: EGF469
Design Review & Verification Completed
Name: Stephen Foster
Drawing No: 1
Date: 13-Jul-2016 Version 1
Quotation Subject to Wayleaves and Third Party Consents



Appendix D
Southern Gas Networks Correspondence



SCALE : 1 : 1790	LP MAINS	—	This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Plant Protection Team on 08450703497 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. 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 plant location information is provided to all persons	Intranet WebGIS 2.1 Hampshire County Area This plan is reproduced from or based on the OS map by Scotia Gas Networks plc, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved. 
USER ID : lm67730	MP MAINS	- - -		
DATE : 14/06/2016	IP MAINS	- . - . -		
INTERNAL USE ONLY	LHP MAINS	- . . . -		
GRID REFERENCE : E473681,N107992,SU 73 07	HISTORY DATA	—		
Some examples of Plant Items	LAs	—	Depth of Cover Diameter Change Material Change	
Valve	GTs	SSSIs		
Syphon				

Our Ref: 1221589

Network: SOUTHERN

Your Ref:

Date: 31-AUG-2016

Millie Rickleton
Ardent Consulting Engineers
Suite 207
1 Alie Street
London
E1 8DE



SGN Connections Limited
St Lawrence House
Station Approach
Horley
Surrey
RH6 9HJ
Tel: 0800 912 1700

Dear Ardent Consulting Engineers,

Re: Southleigh Park House, Eastleigh Road, Havant, Hampshire, PO9 2PE.

We are pleased to provide you with a quotation for the disconnection of gas supply from the above address(es).

The total cost (including VAT) is [REDACTED]

Please note SGN Connections Limited is acting as an agent for Southern Gas Networks, who will carry out the work. Your contract will be with Southern Gas Networks. The quotation is produced in accordance with SGN Site Works terms for below 7 barg Infrastructure works (the Site Works terms) which apply to the works and are deemed to form part of and be incorporated into this quotation. For the purpose of the Site Works terms, Annex 2 is the relevant annex.

The Quotation is valid until 29-NOV-2016 (90 days from the date of this letter).

Please return a copy of the Quotation Form showing your Order Number, a Contact Name and telephone number for access to the property with the full payment made to Southern Gas Networks.

Please also include a copy of your programme for the works giving a minimum of 35 working days notice to the first required disconnection. This period of notice is dictated by Local Authority New Roads and Streetworks Act Regulations. If a programme is not supplied, the work will be planned for the first available manpower in that area allowing for sufficient notice to the Roads Authority.

Please be aware that you will need to arrange for the Metering equipment to be removed from the service pipe(s) that require disconnection and render any associated installation pipework safe in accordance with relevant legislation prior to SGN commencing work. Failure to undertake these actions will result in SGN cancelling the planned disconnection work and may result in costs incurred in attempting to carry out the disconnection being charged to you.

To arrange for any metering equipment to be removed, you should contact the relevant gas supplier or meter asset manager for the premises where the equipment is installed or a suitably competent meter worker.

Please make sure that no work is carried out near the gas supply or meter(s) until we have confirmed to you by letter that the property has been cleared of all known live gas apparatus owned by SGN.

Please ensure that the installation has been purged before work commences.

If you have any questions regarding the above site please do not hesitate to contact the Customer Service Centre on 0800 912 1700.

Yours sincerely,

Kelly Pettit

Our Ref: 1221589	Your Ref:
Customer Name: Millie Rickleton	Network: SOUTHERN
Date of Request: 30-Aug-2016	Date of Quotation: 31-AUG-2016
	Quotation Valid Until: 29-NOV-2016
Site Address: Southleigh Park House, Eastleigh Road, Havant, Hampshire, PO9 2PE.	
Description of Works/Comments:	
Disconnection SGN to disconnect 1 x 125mm in verge/footpath/ ROUTE ASSSUMED. TO BE TRACED ON SITE ON ACCEPTANCE. The service should be cut off at the main. Each service should be cut off independently at the mains connection (not left until the main is abandoned), creating a physical break on the service line. If the main is to be abandoned, the service cut off should be outside the boundary line of the premises. Please note, the customer will be responsible for the removal of the meter(s) if applicable prior to work starting, and for the removal of any redundant pipework within the site boundary following completion of the work. This quote has been issued in accordance with our standard charges and the information provided on your application form. Should the work involve anything substantially different to what's been specified, an on-site variation may be needed and additional costs may be incurred. Our pricing information can be found by visiting sgn.co.uk and clicking on Connections>Charge Rates. When your acceptance form and payment have been received, our planners will aim to contact you within seven working days to arrange a suitable date to start the work. It's normally 2-6 weeks from the date we receive your valid acceptance to us starting work on site. Please be aware that this is subject to change. It may be possible to obtain an alternative quote from other Gas Transporters or Utility Infrastructure Providers (UIP) to do this work. A list of registered UIPs can be found on the Gas Industry Registration Scheme website lloydsregister.co.uk/schemes/girs/providers-list.aspx The Energy & Utilities Alliance provides information about alternative installers at eua.org.uk. Follow the link to Utility Networks, then Utility Infrastructure Providers (UIP). A list of Gas Transporters can be found on the Ofgem website ofgem.gov.uk Please note SGN Connections and its approved contractors won't carry out any work on site if it involves working under or in close proximity to any scaffolding. If we find scaffolding hasn't been removed when we arrive on site, then we'll have to reschedule the work and accept no responsibility for any delays this may cause. Route of service(s) will need tracing when work begins as no survey was carried out.	
Length of Gas Supply on Public Highway:	Excavation of Public Highway:
Length of Gas Supply on Private Property:	Excavation of Private Property:
Pressure at Emergency Control Valve:	
Termination Point:	
Meter Box Type:	
Other:	
Special Features/Conditions	
SGN Plc Funded Enhancements:	
Works required to be done by the Customer:	
Costs:	

Design Charge Costs:	£	
Existing Mains Infill Contribution:	£	
Meter Housing/Kiosk excluding Base costs:	£	
Meter Housing/Kiosk Base costs:	£	
Specialist Reinstatement:	£	
Estimated Easement Costs:	£	
Sub Total:	£	
VAT	£	
Total Cost:	£	

GENERAL

Any amendments to the quotation must be expressly agreed in writing with us, as unauthorised amendments will invalidate the quotation.

By signing the Acceptance Form, you are entering into a legally binding contract between yourself and Southern Gas Networks plc. Please ensure that you have read and understood this quotation and the accompanying documents, including the relevant Conditions of Contract.

ISOLATIONS ACCEPTANCE FORM

Our Ref: 1221589
Network: SOUTHERN
Your Ref:

Please return completed form and payment to:

Acceptance Department
SGN Connections Limited
St Lawrence House
Station Approach
Horley
Surrey
RH6 9HJ

Or fax to 01293 818 175

Re: Southleigh Park House, Eastleigh Road, Havant, Hampshire, PO9 2PE.

On behalf of: Millie Rickleton

I hereby accept Quotation Reference, 1221589, and enclose my payment of [REDACTED] (inclusive of VAT charged at appropriate rate)

Please tick the box to confirm that the site is ready for works to commence

☐

Or if the site is not ready please indicate the earliest date that the site will be available for work to commence on:

.....

Meter Point Reference Number (if known): 8822208001

This quotation must be accepted by the party to whom the quotation is addressed in order for the works to proceed. If the quotation is accepted by another party, this will not constitute a valid acceptance and no contract will be formed in respect of the works. If another party wishes to have the works carried out in place of the party to whom the quotation is addressed, that other person must contact us for a new quotation. It should be noted that any new quotation may contain different prices or payment terms, and there may potentially be a different treatment of VAT.

Signed

Please Print Name

If you are signing this acceptance on behalf of a business, company, local authority or government body, please provide your job title below (if not leave blank)

.....

Date

PAYMENT METHOD

I enclose payment in full for the work, I am paying by:-

Cheque (made payable to Southern Gas Networks and with the quotation ref written on the back) ☐

Bankers Draft (made payable to Southern Gas Networks and with the quotation ref written on the back) ☐

Credit / Debit Card (please provide details on the attached Credit / Debit Card Form) ☐

CREDIT / DEBIT CARD PAYMENT FORM

Please complete the following form ensuring all information provided is correct. This will allow Southern Gas Networks to process your payment and progress the job quickly.

Reference Number

1221589

Job Address:

Southleigh Park House,

Eastleigh Road,

Havant,

Hampshire,

Postcode

PO9 2PE.

Name of Cardholder

INITIAL

SURNAME

Cardholder's Address

IF DIFFERENT FROM JOB ADDRESS

Postcode

Type of card held (please tick)

VISA

☐

MASTERCARD

☐

DELTA

☐

SWITCH/MAESTRO

☐

SOLO

☐

Please note Southern Gas Networks do not accept American Express, Diners Club or Electron cards.

Credit/Debit card Number

Expiry Date

Valid From (Switch/Maestro/Solo only)

Issue Number

Amount being paid

Cardholder's signature

Date

FOR OFFICE USE ONLY

Invoice Number

Authority Number

SGN Connections Limited

VAT registration number
GB 864 4162 18

Pro Forma Invoice
No: 1221589
Date: 31-AUG-2016

Millie Rickleton
Suite 207
1
Alie Street

London

E1 8DE

Job Address:
Southleigh Park House, Eastleigh Road, Havant, Hampshire, PO9 2PE.

Description:
Disconnection

SGN to disconnect 1 x 125mm in verge/footpath/ ROUTE ASSSUMED. TO BE TRACED ON SITE ON ACCEPTANCE.

The service should be cut off at the main.

Each service should be cut off independently at the mains connection (not left until the main is abandoned), creating a physical break on the service line. If the main is to be abandoned, the service cut off should be outside the boundary line of the premises. Please note, the customer will be responsible for the removal of the meter(s) if applicable prior to work starting, and for the removal of any redundant pipework within the site boundary following completion of the work.

This quote has been issued in accordance with our standard charges and the information provided on your application form. Should the work involve anything substantially different to what's been specified, an on-site variation may be needed and additional costs may be incurred. Our pricing information can be found by visiting sgn.co.uk and clicking on Connections>Charge Rates.

When your acceptance form and payment have been received, our planners will aim to contact you within seven working days to arrange a suitable date to start the work. It's normally 2-6 weeks from the date we receive your valid acceptance to us starting work on site. Please be aware that this is subject to change.

It may be possible to obtain an alternative quote from other Gas Transporters or Utility Infrastructure Providers (UIP) to do this work. A list of registered UIPs can be found on the Gas Industry Registration Scheme website lloydsregister.co.uk/schemes/girs/providers-list.aspx

The Energy & Utilities Alliance provides information about alternative installers at eua.org.uk. Follow the link to Utility Networks, then Utility Infrastructure Providers (UIP). A list of Gas Transporters can be found on the Ofgem website ofgem.gov.uk

Please note SGN Connections and its approved contractors won't carry out any work on site if it involves working under or in close proximity to any scaffolding. If we find scaffolding hasn't been removed when we arrive on site, then we'll have to reschedule the work and accept no responsibility for any delays this may cause.

Route of service(s) will need tracing when work begins as no survey was carried out.

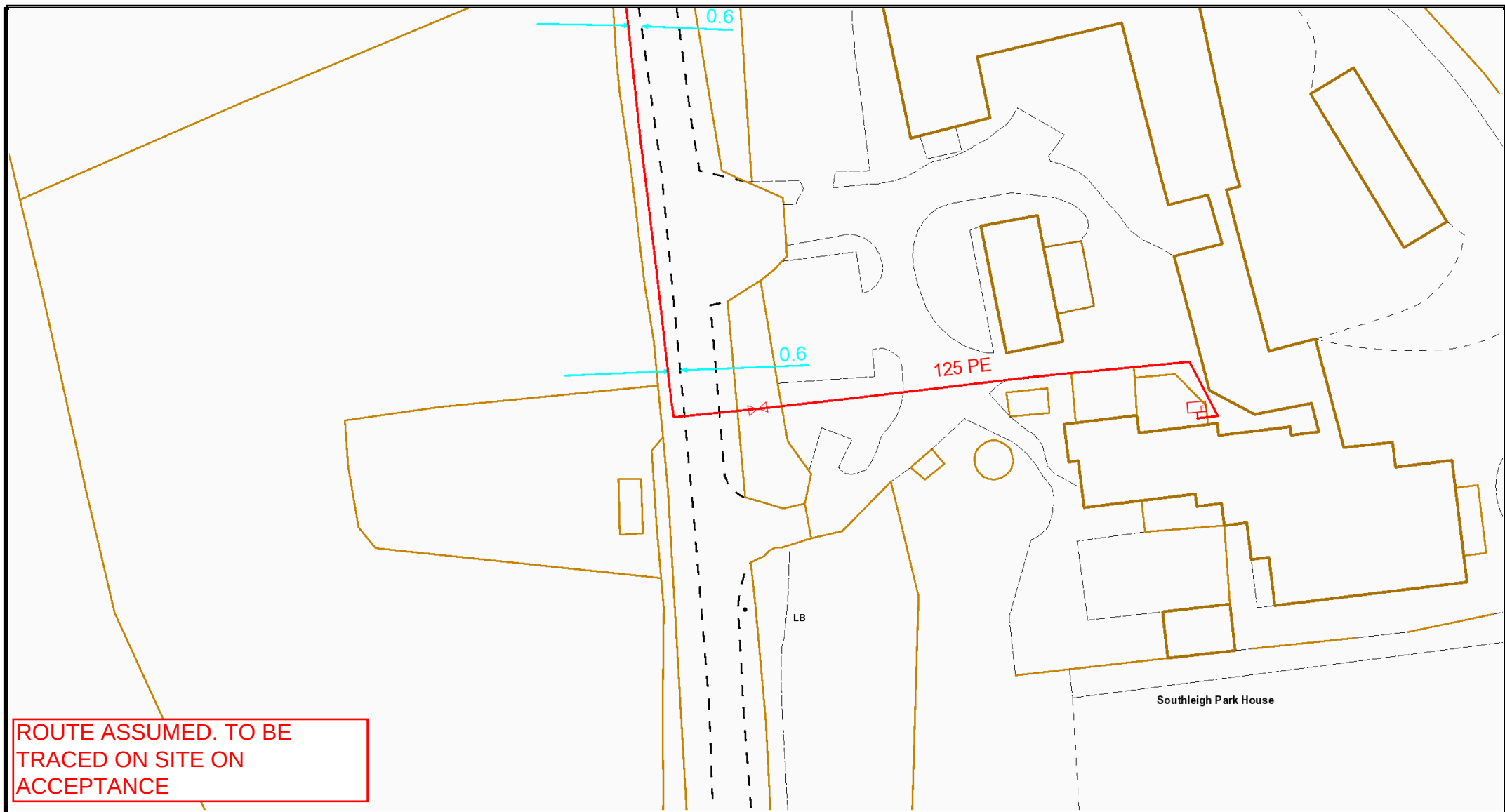
Total (ex VAT):	£	
Total VAT	£	
Total (inc VAT):	£	

Please make all cheques payable to "Southern Gas Networks" and return with signed acceptance form to:

Acceptance Department
SGN Connections Limited
St Lawrence House

Station Approach
Horley
Surrey
RH6 9HJ

This is not a VAT invoice. On receipt of payment a VAT invoice will be issued.



ROUTE ASSUMED. TO BE
TRACED ON SITE ON
ACCEPTANCE

SCALE : 1 : 750	LP MAINS		This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Plant Protection Team on 08450703497 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. 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 plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue.
USER ID : KP14585	MP MAINS		
DATE : 31/08/2016	IP MAINS		
INTERNAL USE ONLY	LHP MAINS		
GRID REFERENCE : E473651,N107966,SU 73 07	HISTORY DATA		
Some examples of Plant Items Valve Syphon Depth of Cover Diameter Change Material Change		GTs SSSIs	Intranet WebGIS 2.1 1221589 Disconnection Hampshire County Area This plan is reproduced from or based on the OS map by Scotia Gas Networks plc, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved.

Your Ref:
Our Ref: D956
Date: 30th August 2016

SGN
2 Leasons Hill
Orpington
Kent
BR5 2TN

Telephone: 01689 881300

Attn: Millie Rickleton
ARDENT

Email: mrickleton@ardent-ce.co.uk

Dear Millie

Re: Southleigh Park House, Eastleigh Road, Havant, Hampshire PO9 2PE

In relation to your proposals at the above site, I can confirm that based on the information received to date, it is not anticipated that the diversion of SGN's gas apparatus will be required.

However whilst it would appear unlikely that your proposed works will affect the Company's plant, SGN reserve the right to divert any affected apparatus if proved necessary during the course of your works. Every possible precaution must be taken to avoid causing damage to the Companies plant during the progress of the works. All the costs incurred by SGN for the repair of direct or consequential damage to the gas plant will be recharged to yourselves.

Safe digging practices, in accordance with the Health and Safety Executive document HSG47 must be used to verify and establish the actual position of mains, pipes, cables, services and other apparatus on site before any mechanical plant is used.

Trial holes should be taken out, prior to commencement of your works to locate the exact position and depth of the Company's plant. Please contact SGN again if your trial hole results indicate a possible conflict with SGN plant, and apparatus.

I enclose for your use a copy of SGN's **General Safety Measures to Avoid Injury and Damage to Gas Plant**. The booklet gives guidance to your staff when working in the vicinity of gas apparatus.

If you require further assistance, please call our Plant Protection Office on Tele. No. 0845 0703 497, or 0141 418 4093 or by email: plantlocation@sgn.co.uk.

Yours sincerely

Network Planning

29 June 2016

Our Ref: 1179736

Your Ref: 160270

SGN Connections
St Lawrence House
Station Approach
Horley
Surrey
RH6 9HJ

Millie Rickleton
Ardent Consulting Engineers
Suite 207
1 Alie Street
London
E1 8DE

Customer Service **0800 912 1700***

Dear Millie Rickleton

New Connection at Southleigh Park House Redevelopment, Eastleigh Road, Havant, Hampshire, PO9 2PE

Thank you for choosing us to give you a budget indication for a new connection at the above site, and please find our detailed quote below.

Work to be carried out

SGN Connections to install appropriately sized gas infrastructure to a suitable location(s). SGN Connections will provide all excavation and reinstatement of the trenches up to your site boundary. Customer to provide all the pre-excavation, back-fill and reinstatement within the site boundary. No meter/meter housing work is included.

Your budget indication is [REDACTED]

Please note that this figure is a budget indication only, based on the information you've given us, and doesn't represent an offer to carry out the work.

Upon acceptance of a firm quotation, Southern Gas Networks will need to run further analysis to ensure that the existing gas infrastructure can manage your new gas loads (Security of Supply Check). If the existing infrastructure requires reinforcing to accommodate your loads, then this will incur time delays to the installation of your gas supplies. Reinforcement costs will be met by Southern Gas Networks and we will contact you where required.

We're assuming no easements or third party permissions are required to carry out the work.

Please note that this budget indication doesn't allow for any diversion of our existing infrastructure if we find it's necessary. You can get further detail on this by calling SGN Diversions/Isolations on 0800 912 1722.

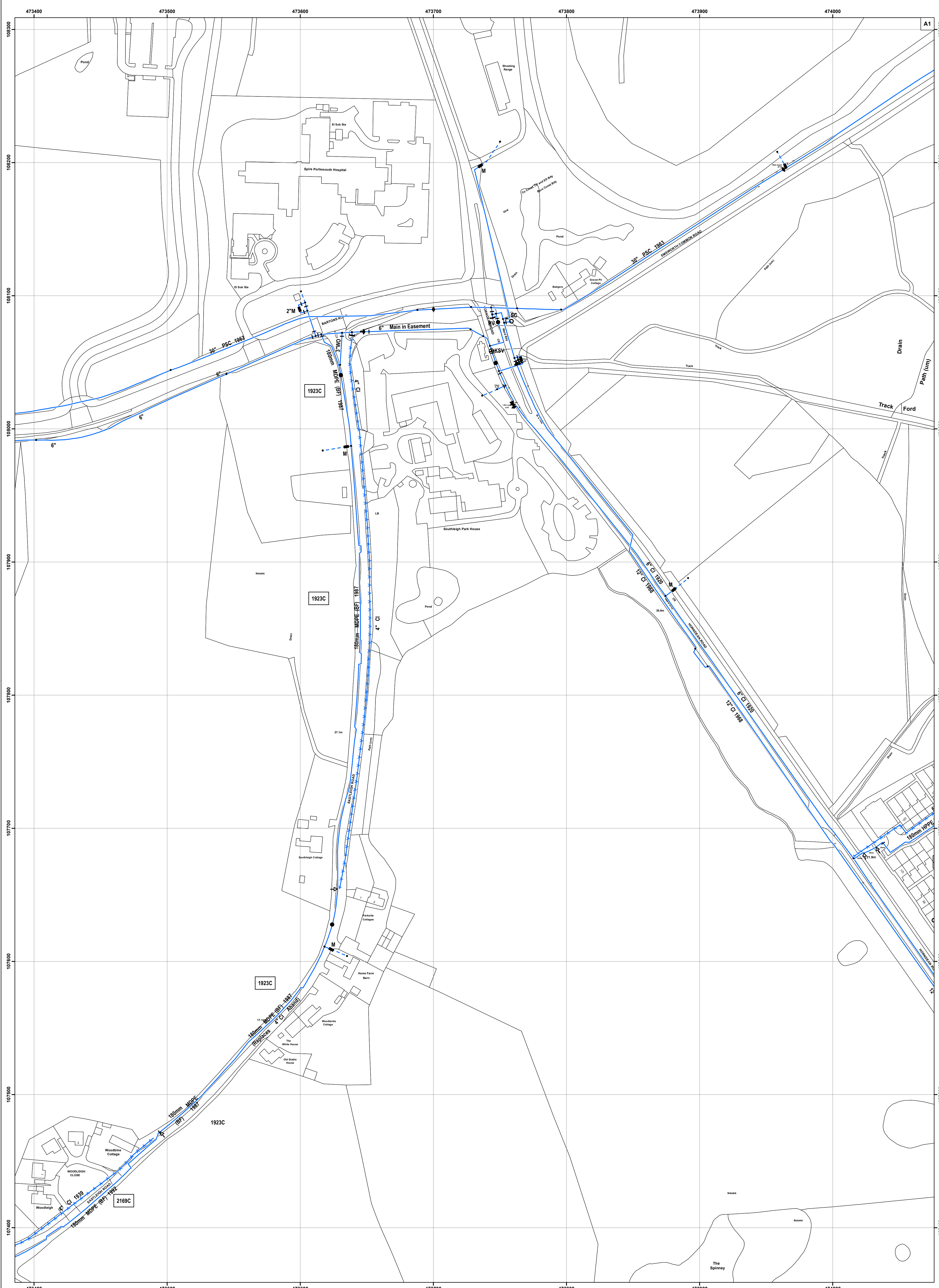
If you have any further questions, please feel free to contact me on the number at the top of this letter.

Yours sincerely

Robert Ryland
Technical Assistant

* All calls are recorded and may be monitored

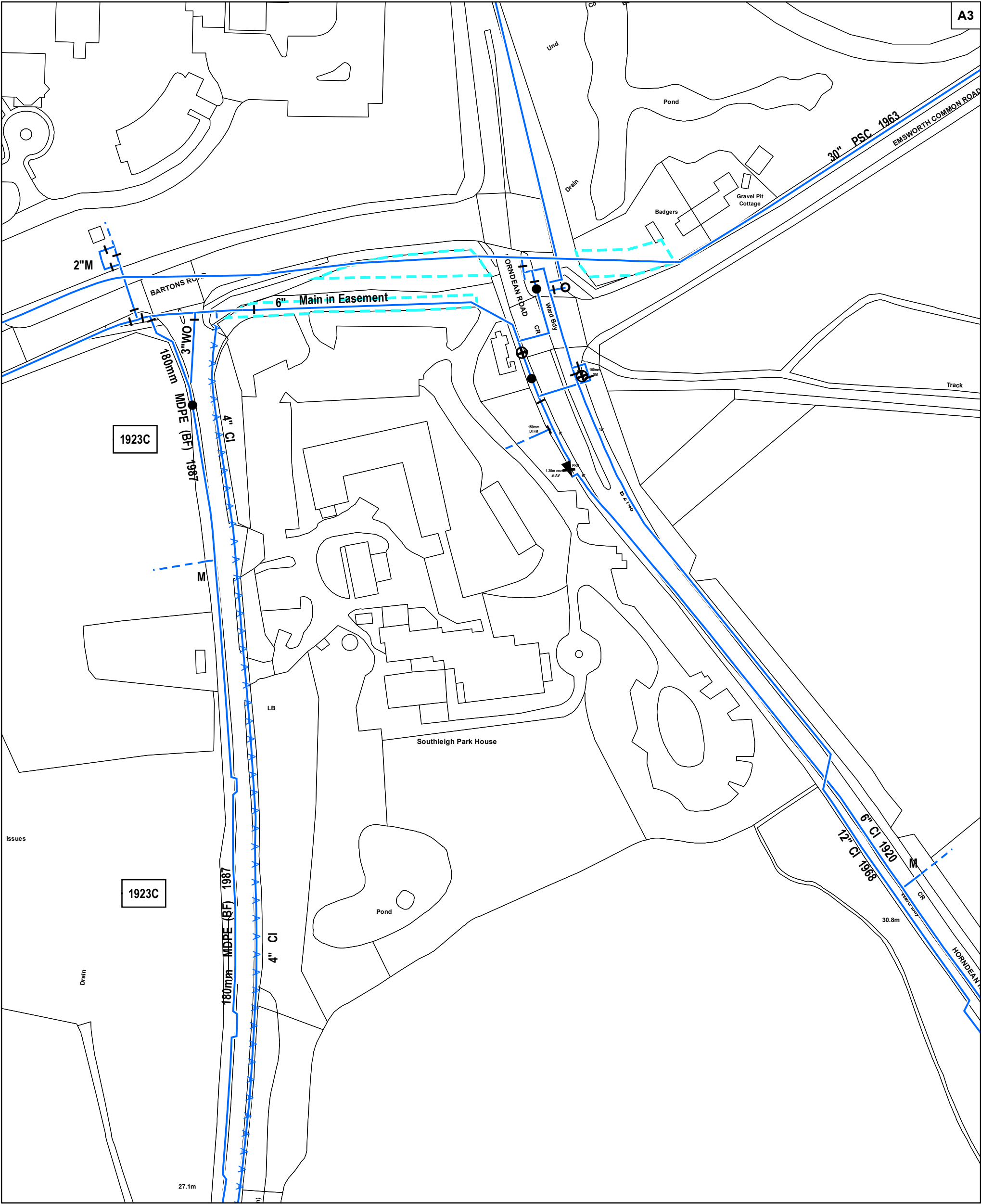
Appendix E
Portsmouth Water Correspondence



	EXISTING MAIN		FIRE HYDRANT
	ABANDONED MAIN		PROPOSED FIRE HYDRANT
	PROPOSED MAIN		WO TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
	COMPANY WASHOUT		FH TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
	WASHOUT FIRE HYDRANT		WOFH TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY

Registered Office
P.O. BOX NO. 8, West Street, Havant,
Hampshire. PO9 1LG.
Registered in England No. 2536455
Telephone: (023) 8248 8888
Fax: (023) 8245 3632
Website: www.portsmouthwater.co.uk

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	Job No:
	OS Ref: SU7307NE
	Scale: 1:1,250
	Date: 31/08/2016



	EXISTING MAIN		COMPANY WASHOUT		'C' WO TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
	ABANDONED MAIN		WASHOUT FIRE HYDRANT		FH TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
	PROPOSED MAIN		FIRE HYDRANT		WOFH TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
			PROPOSED FIRE HYDRANT		

BARTONS ROAD

Registered Office
P.O. BOX NO. 8, West Street, Havant,
Hampshire. PO9 1LG.
Registered in England No. 2536455
Telephone: (023) 9249 9888
Fax: (023) 9245 3632
Website: www.portsmouthwater.co.uk

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The information supplied is given in good faith as a guide to locating underground apparatus. Its accuracy cannot be guaranteed, nor does it include comprehensive information about the existence or location of service pipes or cables to individual premises. The responsibility for locating and avoiding damage to apparatus on site shall be that of the person proposing to excavate in the street who shall be liable to the apparatus owner and any third party who may be affected in any way for any loss or damage caused by their failure to do so.

Drg No:

Job No:

OS Ref: SU7307NE

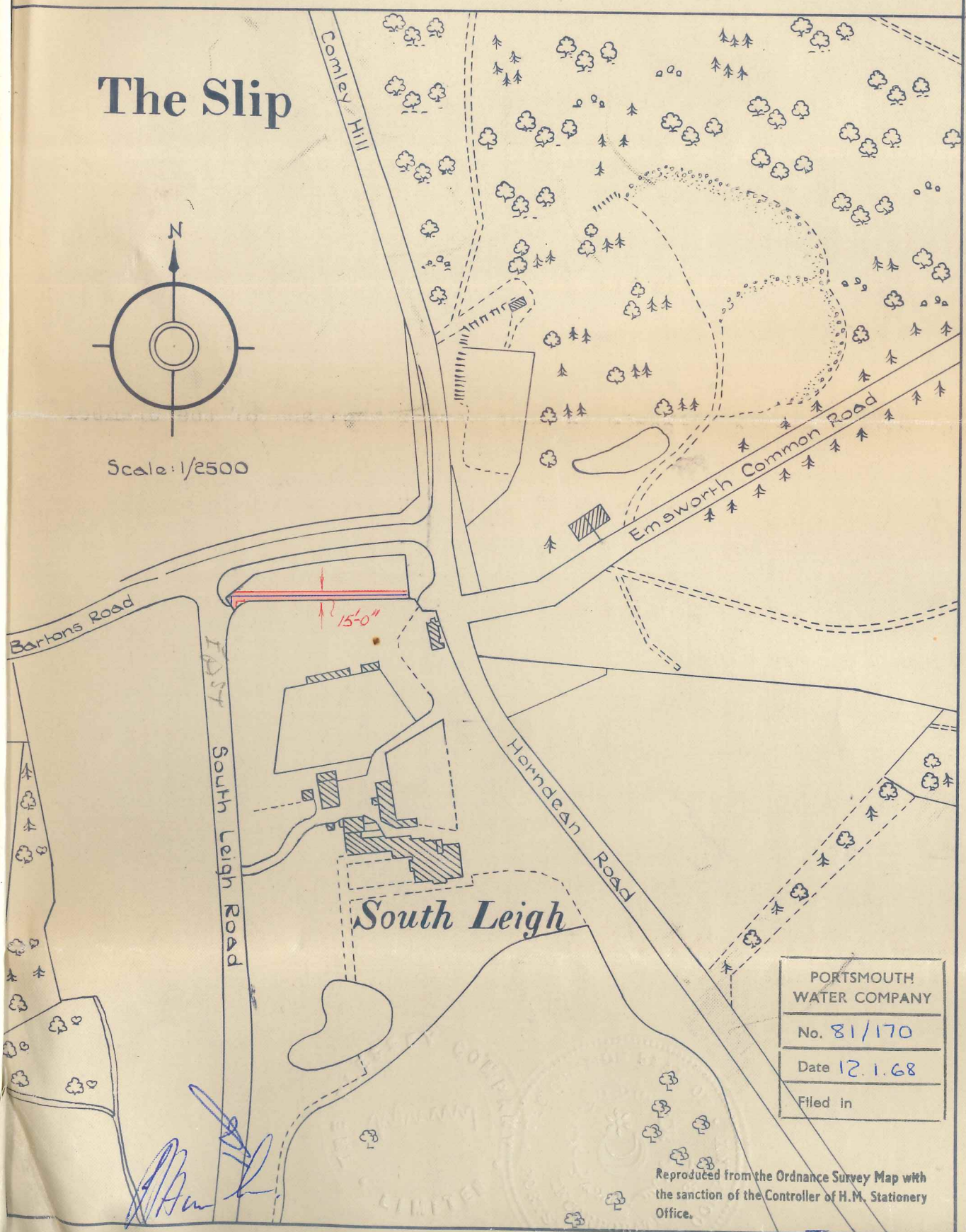
Scale: 1:1,250

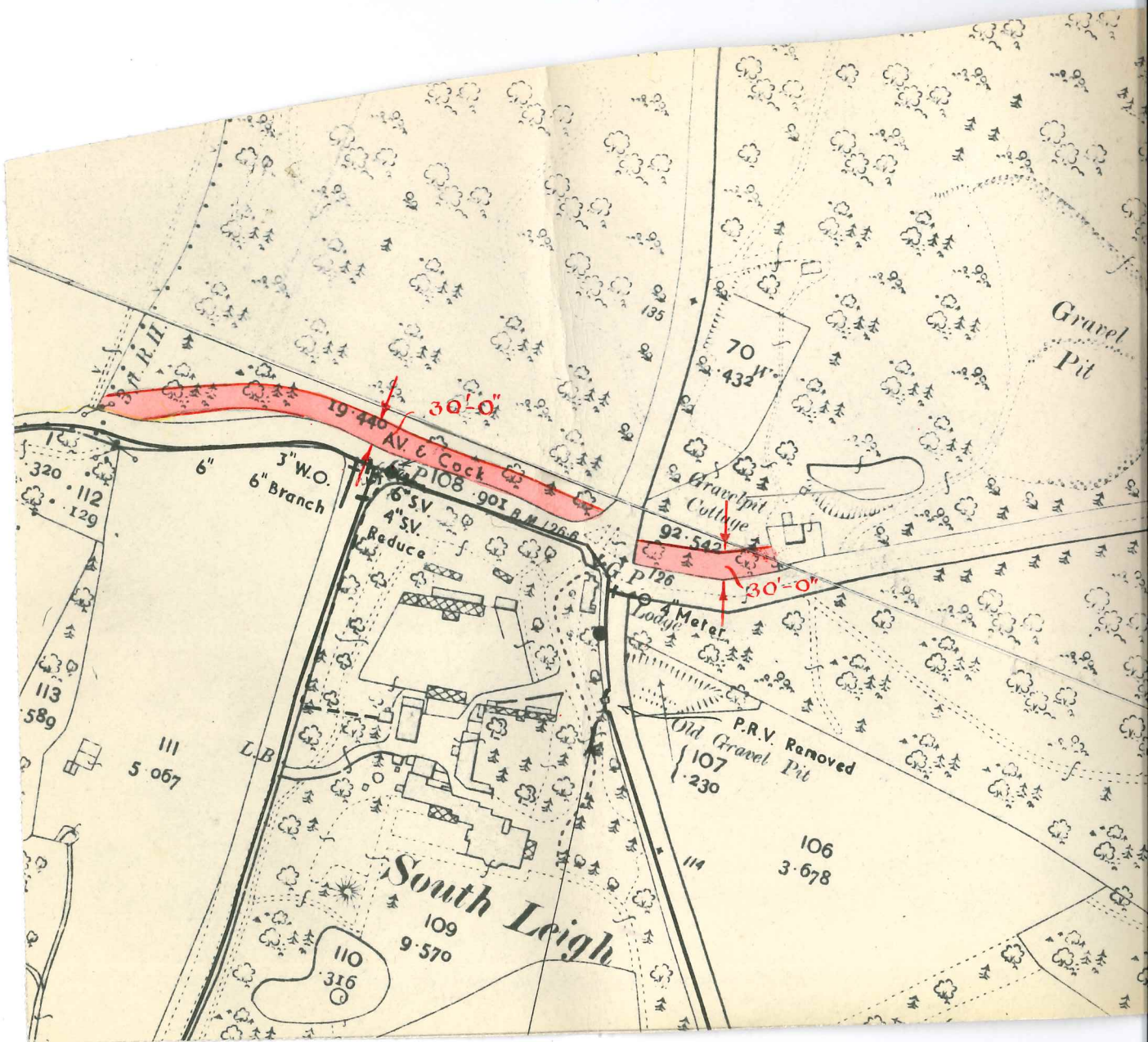
Date: 27/09/2016

PORTSMOUTH WATER COMPANY

EASEMENT

BARTONS ROAD/HORNDEAN ROAD JUNCTION





Job No	Date
160720	28/12/16
Director	Circulation
<i>[Signature]</i>	JC



22nd December 2016

For the attention of Mr J. Chinnock
 Ardent Consulting Engineers Limited
 Suite 207
 One Alie Street
 London
 E1 8DE

Registered Office
 Portsmouth Water Ltd
 PO Box 8
 West Street
 Havant
 PO9 1LG

Telephone: 023 9249 9888
 Fax: 023 9245 3632

www.portsmouthwater.co.uk

Please ask for Jim Hayler
 Our reference JAH/RCW6513
 Your reference

Dear Mr. Chinnock

SOUTHLEIGH HOUSE, BARTONS ROAD, WEST LEIGH, HAVANT, HAMPSHIRE

Thank you for recent enquiry for an estimate for a mains diversion at Southleigh House, Bartons Road, Havant. Our estimate below is for the cost of diverting the current 6 inch Cast Iron main from around the area of your proposed development.

This is calculated at [REDACTED]

Prepayment will be required before any work is undertaken. Approximately twelve weeks lead-in time would be needed before commencement of mainlaying.

Once I am in receipt of payment I will instruct our Contracts Department to programme the work.

Upon completion an "at cost" invoice will be issued which may result in a refund or, conversely, a further payment.

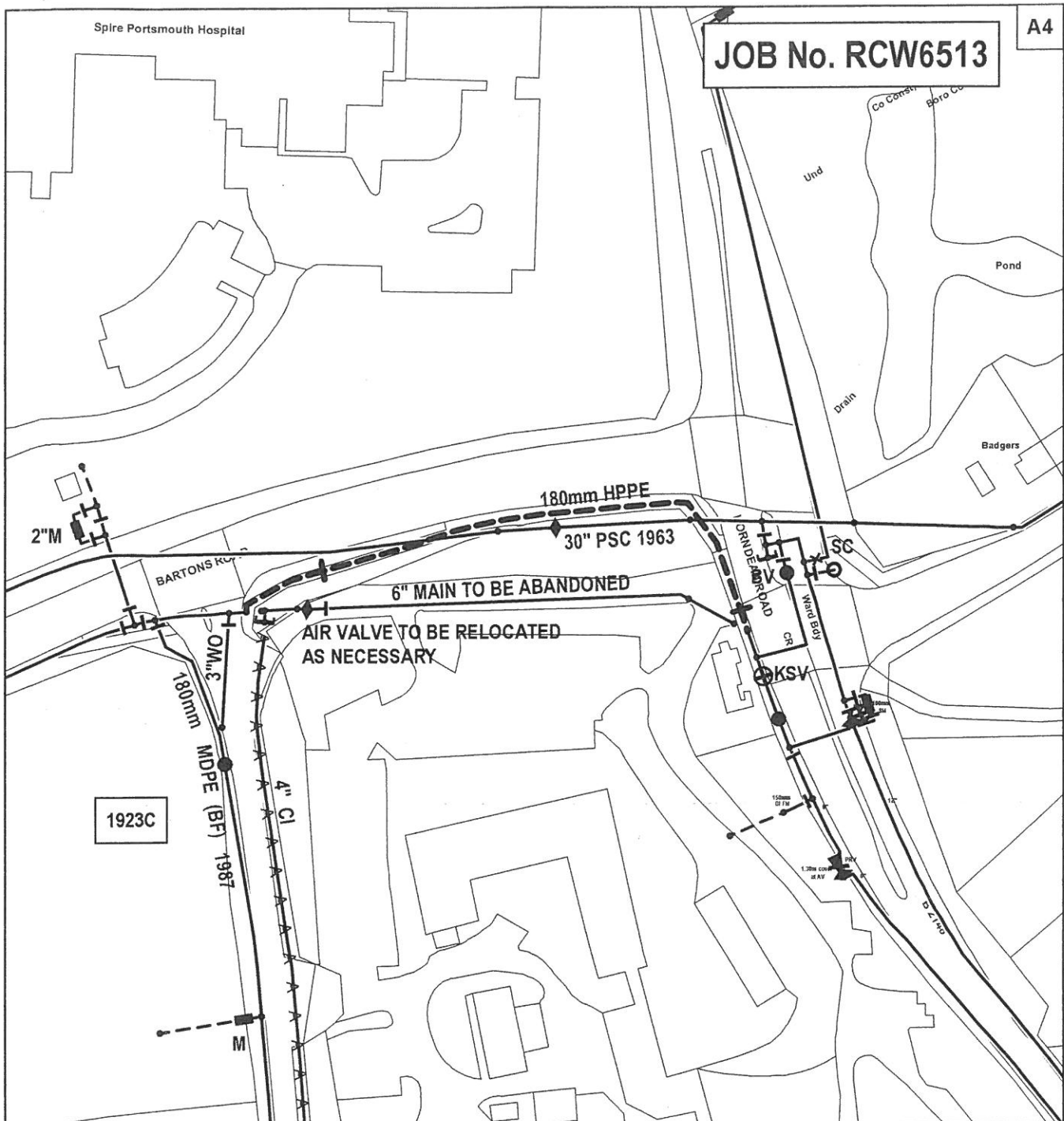
Please note that a 15-foot easement surrounding the 6 inch main is currently in place and this will need to be released. The cost of releasing this easement will be charged to you in addition to the diversion costs. Our abandoned main will remain in-situ following completion of our works.

I enclose a copy of our Drawing No. RCW6513 which outlines the Mains Diversion as a broken black line.

We would be pleased to discuss this proposal in more detail. Please contact my colleague, Jim Hayler, direct dial 02392 249 327 or email j.hayler@portsmouthwater.co.uk

Yours sincerely,

A Moore
 Senior Contracts Engineer
 Encs.



	EXISTING MAIN		FIRE HYDRANT
	ABANDONED MAIN		PROPOSED FIRE HYDRANT
	PROPOSED MAIN		WO TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
	COMPANY WASHOUT		FH TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY
	WASHOUT FIRE HYDRANT		WOFH TO BE CUT OUT UNLESS PURCHASED BY LOCAL AUTHORITY

The information supplied is given in good faith as a guide to locating underground apparatus. Its accuracy cannot be guaranteed, nor does it include comprehensive information about the existence or location of service pipes or cables to individual premises. The responsibility for locating and avoiding damage to apparatus on site shall be that of the person proposing to excavate in the street who shall be liable to the apparatus owner and any third party who may be affected in any way for any loss or damage caused by their failure to do so.

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Hampshire. PO9 1LG.
Registered in England No. 2536455
Telephone: (023) 9249 9888
Fax: (023) 9245 3632
Website: www.portsmouthwater.co.uk

**BARTONS ROAD
HAVANT**

Drg No:

Job No: RCW6513

OS Ref: SU7308SE

Scale: 1:1,250

Date: 06/12/2016

Shannon Higgins

From: Paul Treagust <P.Treagust@portsmouthwater.co.uk>
Sent: 31 October 2016 08:31
To: Jonathan Chinnock
Attachments: DOC281016-28102016160551.pdf

Jonathan

Please find attached plan of location of our 30" main following the recent trial holes that were excavated. It shows the main almost on the extent of the easement.

Budget cost of diverting the 30" water main is [REDACTED] This includes labour, plant, materials and overheads for design and supervision of the works.

The budget cost allows for basic traffic management. Due to the location, the Local Authority may require more site specific TM.

Due to the strategic nature of the 30" main, there maybe restrictions on the timing of the final mains connections.

If you want to consider the diversion option we can pull together a more detailed estimate.

I will give you a call Tuesday to discuss.

Kind regards

Paul Treagust
Distribution Engineer
Portsmouth Water Ltd

Sent from Samsung Mobile

RoSPA 2016 President's Award Winner

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This message has been checked for all known viruses through the MessageLabs Virus Control Centre.

Shannon Higgins

From: Jason Bowles <J.Bowles@portsmouthwater.co.uk>
Sent: 27 June 2016 15:28
To: Millie Rickleton
Cc: Martin Trust; Paul Treagust; Jim Hayler
Subject: RE: Capacity checks. [Filed 27 Jun 2016 18:26]

Afternoon Millie,

After carrying out a capacity check, I can confirm that there is sufficient capacity in our mains network to allow for 87 properties on your proposed site.

Kind regards Jason.

From: Millie Rickleton [mailto:mrickleton@ardent-ce.co.uk]
Sent: 20 June 2016 15:20
To: Jason Bowles
Subject: RE: Capacity checks.

Hi Jason,

Many thanks for getting back to me on this.

The site is location at Southleigh Park House, Havant, Hampshire, PO9 2PE (Site location plan is attached).

The proposals are for 87 units comprising of a mixture of flats and houses ranging from 1-4 bed. Southleigh Park House, which is a listed building on the site will be retained and converted to provide 12 of the 87 residential units on site. I have attached a site plan which demonstrates the location for the proposed plots.

I trust this information is sufficient to proceed with the basic capacity check, however, should you require any additional information please feel free to contact me on mrickleton@ardent-ce.co.uk or on 02076804088.

Kind regards,

Millie Rickleton
Technical Assistant

ARDENT

CONSULTING ENGINEERS

Suite 207, One Alie Street, London E1 8DE
Tel: 020 7680 4088 – Mobile: 07825795838
Web www.ardent-ce.co.uk

Follow us on 

New Civil Engineer





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From: Jason Bowles [<mailto:J.Bowles@portsmouthwater.co.uk>]

Sent: 20 June 2016 14:52

To: Millie Rickleton

Cc: Paul Treagust; Martin Trust

Subject: Capacity checks.

Morning Millie,

Your email has been passed to me regarding capacity checks for future proposed developments in the Portsmouth Water area.

For us to carry out a capacity check we would need to receive a location plan, an approximate number, and type of properties to be developed, or the likely flow rates to the site.

There would be no cost for us to carry out a basic capacity check, but if we felt a more detailed check was required, we would pass it to our consultants who would carry out a more detailed analysis of the implications on our network, and a fee would be applicable. We would inform you in advance if this was required.

Kind regards Jason.

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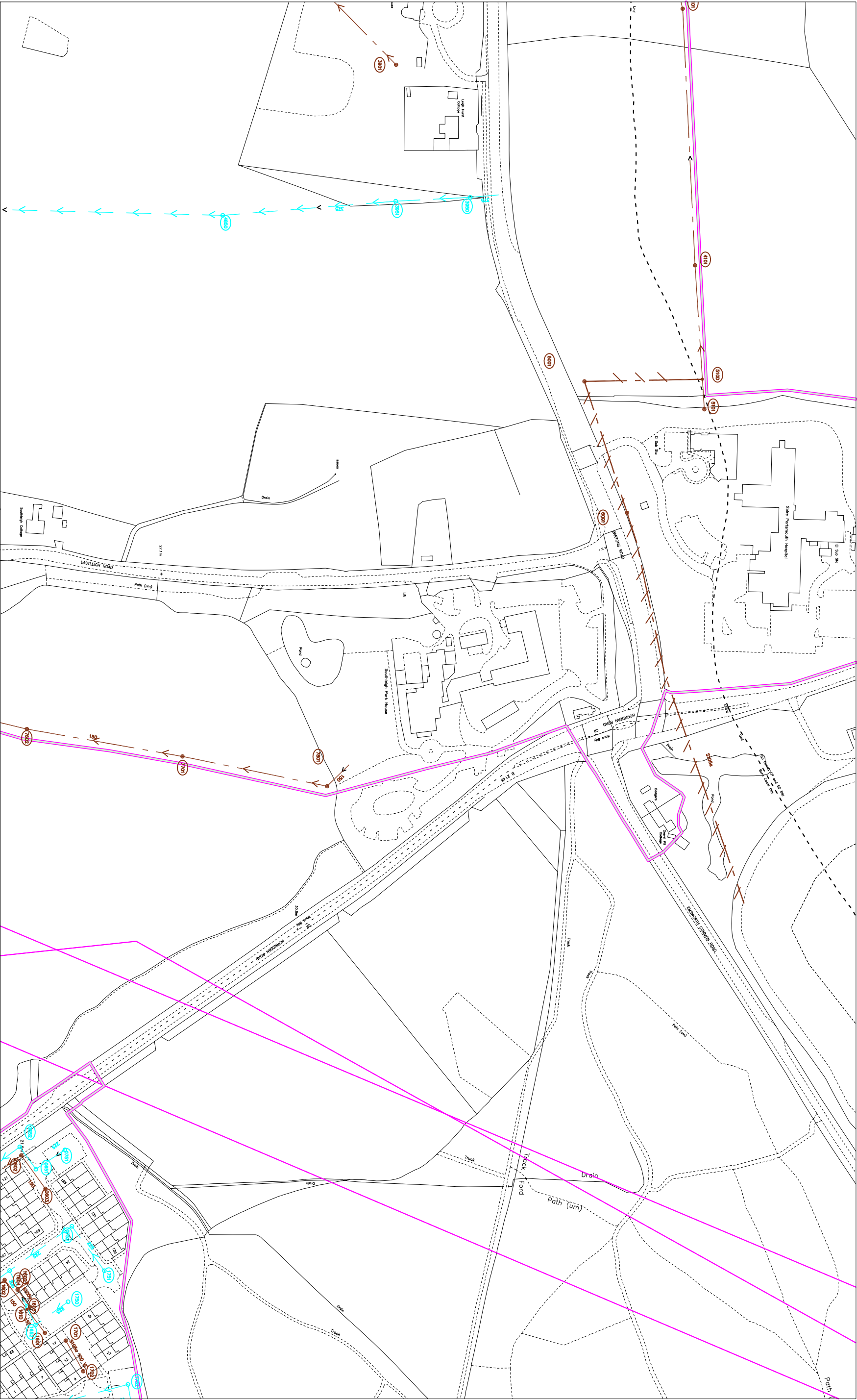
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through the MessageLabs Virus Control Centre.

Appendix F
Southern Water Correspondence

SEWER RECORDS PAGE 1 OF 2

108242



107664

O.S. REF.		Drawn by: spaceyk	The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determined on site. WARNING: BAC pipes are constructed of Bonded Asbestos Cement WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement Based upon Ordnance Survey Digital Data with the permission of the controller of H.M.S.O. Crown Copyright Reserved Licence No. WU 298530.		
SU7307NE					
Scale: 1:2500					
Date: 02/06/2016					
Title: 216439_Southleigh Park House					

473258

474200

SEWER RECORDS PAGE 2 OF 2

Node	Cover	Invert	Size	Material	Shape	Node	Cover	Invert	Size	Material	Shape	Node	Cover	Invert	Size	Material	Shape
0602X	21.876	19.416	150	UNK	CIRC												
0603X	22.033	20.203	150	UNK	CIRC												
0651X	21.847	20.307	225	UNK	CIRC												
0652X	21.888	19.888	225	UNK	CIRC												
0751X	22.486	20.566	225	UNK	CIRC												
0752X	22.754	20.804	225	UNK	CIRC												
1601X	22.298	20.298	150	UNK	CIRC												
1602X	19.644	17.454	UNK	UNK	CIRC												
1604X			UNK	UNK	CIRC												
1605X			UNK	UNK	CIRC												
1610X			150	UNK	CIRC												
1651X			300	UNK	CIRC												
1652X			225	UNK	CIRC												
1702X	22.044	20.324	225	UNK	CIRC												
1702X			100	VC	CIRC												
1750X	22.892	21.342	225	UNK	CIRC												
1751X	23.843	22.093	225	UNK	CIRC												
1752X	23.941	22.311	225	UNK	CIRC												
2101X			UNK	UNK	CIRC												
3901X			UNK	UNK	CIRC												
3950X	34.843	31.225	375	UNK	CIRC												
3951X	32.49		UNK	UNK	CIRC												
4101X			UNK	UNK	CIRC												
4850X	27.867	26.327	375	UNK	CIRC												
5001X			UNK	UNK	CIRC												
5101X			UNK	UNK	CIRC												
5100X			UNK	UNK	CIRC												
6001X			UNK	UNK	CIRC												
7602X	23.109	21.618	UNK	UNK	CIRC												
7701X	28.249	26.769	150	UNK	CIRC												
7801X	32.06	30.56	UNK	CIRC	CIRC												

LINE STYLES / COLOURS

Brown

Final

Final Siphon Sewer

Final Vacuum Main

Final Rising Main

Combined Siphon Sewer

Combined Rising Main

Red

Combined Siphon Sewer

Combined Rising Main

Orange

Lateral Drain

Building Over Agreement Area

Treated Effluent

Sewer Catchment

Section 104 Area

Surface Water

Surface Water Rising Main

Private

Access Shaft

Discommissioned

Dark Blue

Light Blue

Yellow

Green

MATERIALS

AK Asphaltene

BBC Bitumastic Cement

BBC Black Cement

BBC Red Cement

CC Concrete Box Culvert

CI Cast Iron

CO Concrete (H-SU)

CS Concrete Segments (locked)

CSB Concrete Segments (unlocked)

DI Ductile Iron

GC Glass Reinforced Concrete

GPR Glass Reinforced Plastic

HMC Masonry in regular Courses

MC Masonry in random Courses

PF Pitch Fibre

PP Polypropylene

PR Polypropylene

PS Polystyrene

SI Spun Iron

ST Steel

XXX Other

ZZZ Unknown

LEGEND - SEWERS

Manhole (SV)

Lamp hole (SV)

Lamp hole (F&C)

Pumping Station (SV)

Pumping Station (F&C)

Site entry manhole (SV)

Site entry Manhole (F&C)

Blind shaft (SV)

Ejector station (SV)

Ejector station (F&C)

Waterlight door (SV)

Waterlight door (F&C)

Flushing on, Man-4 (SV)

Flushing on, Man-4 (F&C)

Flushing on, Man-4 (SV)

Flushing on, Man-4 (F&C)

Demarcation Chamber

Waterout (SV)

Waterout (F&C)

Rodding Eye (SV)

Rodding Eye (F&C)

Gauging point (SV)

Gauging point (F&C)

Intercept chamber (SV)

Intercept chamber (F&C)

Dummy S&A manhole

Storm Trunk (SV)

Storm Trunk (F&C)

Vortex chamber (SV)

Vortex chamber (F&C)

Label ellipse

Outfall

Pentstock chamber

Damabours

Storm Overflow

Backdrop manhole

Other (S)

Change to sewer (S)

Change to sewer (F)

Relitic valve

Flap valve

Catchcote

Valve

Closed Valve

Air Valve

Hatch box (SV)

Hatch box (F&C)

Decision arrow

Emptying valve

Catchpit

Scaleway

Intel

Balancing Pond

Wastewater treatment works

Mature treatment works

Outfall headworks

Vent

Wall column

Total storage tank

Blank end

Head of Public Sewer

Micro Pumping Station

SHAPES (S)

A Arcoid

C Circular

H Hexagon

T Triangular

U U Shape

X X Shape

Y Y Shape

Z Z Shape

NODE REFERENCING SYSTEM

1st digit: sewer type identifier

2nd digit: hundred metre easting identifier

3rd digit: 5m = Surface Water

4th digit: next sequential node

Drawn by:	spaceyk
Title:	216439_Southleigh Park House
Date:	02/06/2016





Job No 160720	Date 4/7/16
Director	Circulation MJR

Ardent Consulting Engineers
Suite 207
One Alie Street
Aldgate
London
E1 8DE

Developer Services
Southern Water
Sparrowgrove House
Sparrowgrove
Otterbourne
Hampshire
SO21 2SW

Tel: **0330 303 0119**

Email: **developerservices@southernwater.co.uk**

Your Ref:

Our Ref:

CC/003009

Date:

01 July 2016

F.A.O: Ms. Rickleton,

Site: Southleigh Park House, Eastleigh Road, Havant, Hampshire, PO9 2PE.

Dear Ms. Rickleton,

We have completed the capacity check for the above development site and the results are as follows:-

Foul capacity check:

There is currently inadequate capacity within the foul sewerage network to accommodate a foul flow of 4.3 l/s at manhole reference SU73077801. The proposed development would increase flows to the public sewerage system, and existing properties and land may be subject to a greater risk of flooding as a result. Additional off-site sewers, or improvements to existing sewers, will be required to provide sufficient capacity to service the development.

The nearest point where capacity is currently available is at Budds Farm Havant WTW which is located approximately 3.6 km South West of the proposed development site.

Section 98 of the Water Industry Act 1991 provides a legal mechanism through which the appropriate infrastructure can be requested (by the developer) and provided to drain a specific location. Alternatively, carry out off site reinforcement works in order to provide capacity for the proposed foul flow to be accommodated within the local sewerage system.

The extent of the works required to provide capacity for the development site could be obtained via a level 2 Capacity Assessment (Application forms enclosed).

Unfortunately, it may be several years before adequate infrastructure is provided via a prioritised capital expenditure programme. Therefore, this proposed development would be considered premature until such time adequate sewerage infrastructure could be provided.

Before any connections are made to foul and surface sewerage network, an application form needs to be completed and approved by Southern Water Services.

Should you require any further information, please contact us at the above mentioned phone number or address.

Yours faithfully



Developer Services

Please note: -

The information provided above does not grant approval for any designs/drawings submitted for the capacity analysis. The results quoted above are only valid for 12 months from the date of issue of this letter.

Application for Water and Wastewater Capacity Check



A. Type of capacity check required:

Please indicate the type of capacity check required (refer to guidance notes for explanations)

- ☐ **Level 1**
Preliminary capacity check
 ☐ **Level 2**
Indicative Hydraulic Assessment

B. Applicant details:

Name: _____ Contact name: _____
(company name if appropriate) (if different)

Address: _____

Postcode: _____

Contact details:

Daytime 'phone number: _____ Mobile: _____

Fax no: _____ Email: _____

C. Site details:

Site/project name: _____

Site address: _____

Postcode: _____

Please indicate type of development: ☐ Residential ☐ Commercial ☐ Industrial

Has planning permission been applied for? ☐ Yes ☐ No

Please state local planning authority: _____ Planning application no: _____

D. Development details:

Are **foul** flows to be connected to a public sewer? ☐ Yes ☐ No Datum at Lowest point on site (mAoD) _____

Flow to be pumped? ☐ Yes ☐ No Do you require a water supply? ☐ Yes ☐ No

Residential: **number of properties to be connected** _____ Anticipated peak flow rate _____

Commercial: **estimated population to be connected** _____ Anticipated continuous flow rate _____

Industrial: **estimated maximum trade flow (l/s)** _____ Details of preferred point of connection: _____

Calculated foul sewer design flow (l/s): _____
(As per Sewers for Adoption (6th edition))

Are **surface water** flows to be connected to a public sewer? _____

☐ Yes ☐ No

If YES, please state the type of sewer: _____

☐ Combined sewer ☐ Surface water sewer

Total site area (ha) _____

Estimate of impermeable area to contribute surface water flows (ha) _____

Estimate of peak surface water run-off in two-year event (l/s) _____

(As per Sewers for Adoption (6th edition))

Do you require a fire supply? ☐ Yes ☐ No

What type of equipment will be installed? _____

☐ Hydrant ☐ Sprinkler ☐ Hose reel

Required flow rate for this supply _____

E. Existing land use:

Does the site drain to an existing sewer?

Foul: ☐ Yes ☐ No

Surface water: ☐ Yes ☐ No

Does the site have an existing connection to the water mains? ☐ Yes ☐ No

What is the present impermeable area? (ha) _____

Please provide brief description of existing land use _____

F. Proposed land use:

Please provide brief description of the development proposal (e.g. new build, conversion, number of properties) _____

G. Attachments

All applications should include the following:

National Grid reference of site

☐ Area Map

☐ Detailed site layout

* Site boundary clearly shown

* Preferred point of connection to public water system clearly shown

H. Charges (all charges are inclusive of VAT)

Level one preliminary capacity check

Water supply or wastewater flow:

No of units	Cost (£) including 20% VAT
0 to 50	169.00
51 - 250	510.00
251 - 500	680.00

Notes:

1. Under conditions where it is deemed necessary to carry out a full pumping station survey it is advised that discussions be held with Southern Water prior to submission of the form.

Surface water capacity check:

2-year flow (l/s)	Cost (£) including 20% VAT
0 to 50	341.00
50 - 250	1,019.00
250 - 500	1,360.00

Notes:

For flows in excess of 500l/s it is advised that discussions be held with Southern Water prior to submission of this form.

Level two indicative hydraulic assessment

Water supply or wastewater flow:

No of units	Cost (£) including 20% VAT
0 to 50	256.00
51 - 250	766.00
251 - 500	1,020.00
> 500	1,276.00

Surface Water capacity check:

2-year flow (l/s)	Cost (£) including 20% VAT
0 to 50	510.00
51 - 250	1,529.00
251 - 500	2,040.00
> 500	2,550.00

For Reference:

No of units	General Housing Equivalent L/S
0 to 50	≤ 2.3
51 - 250	≤ 11.6
251 - 500	≤ 23.2
> 500	> 23.2

Terms and conditions

Failure to include any of the requested information will be deemed as an incomplete application and may result in this application being delayed/returned. This application DOES NOT mean approval has been granted. No work should commence until written approval has been given by Southern Water. In some cases the capacity check cannot be completed due to incomplete or insufficient records. In this instance, we may ask the applicant to provide surveys of drainage in the area. These would be conducted at the applicant's expense. The contents of the report are for direct use only by the applicant and are to be kept private and confidential. They may only be disclosed to third parties with the written approval of Southern Water. Such third parties to have no subsequent implied or other right to disclose the contents and information to any other parties.

Checklist and declaration

☐ Drawings ☐ Correct fee

Wastewater £ _____

Water supply £ _____

Please make cheques payable to Southern Water Services Ltd

Surface water £ _____

Total fee enclosed £ _____

Do you require a VAT receipt?

☐ Yes

☐ No

I confirm that to the best of my knowledge the information I have supplied is complete and correct.

Signature: _____

Full name: _____

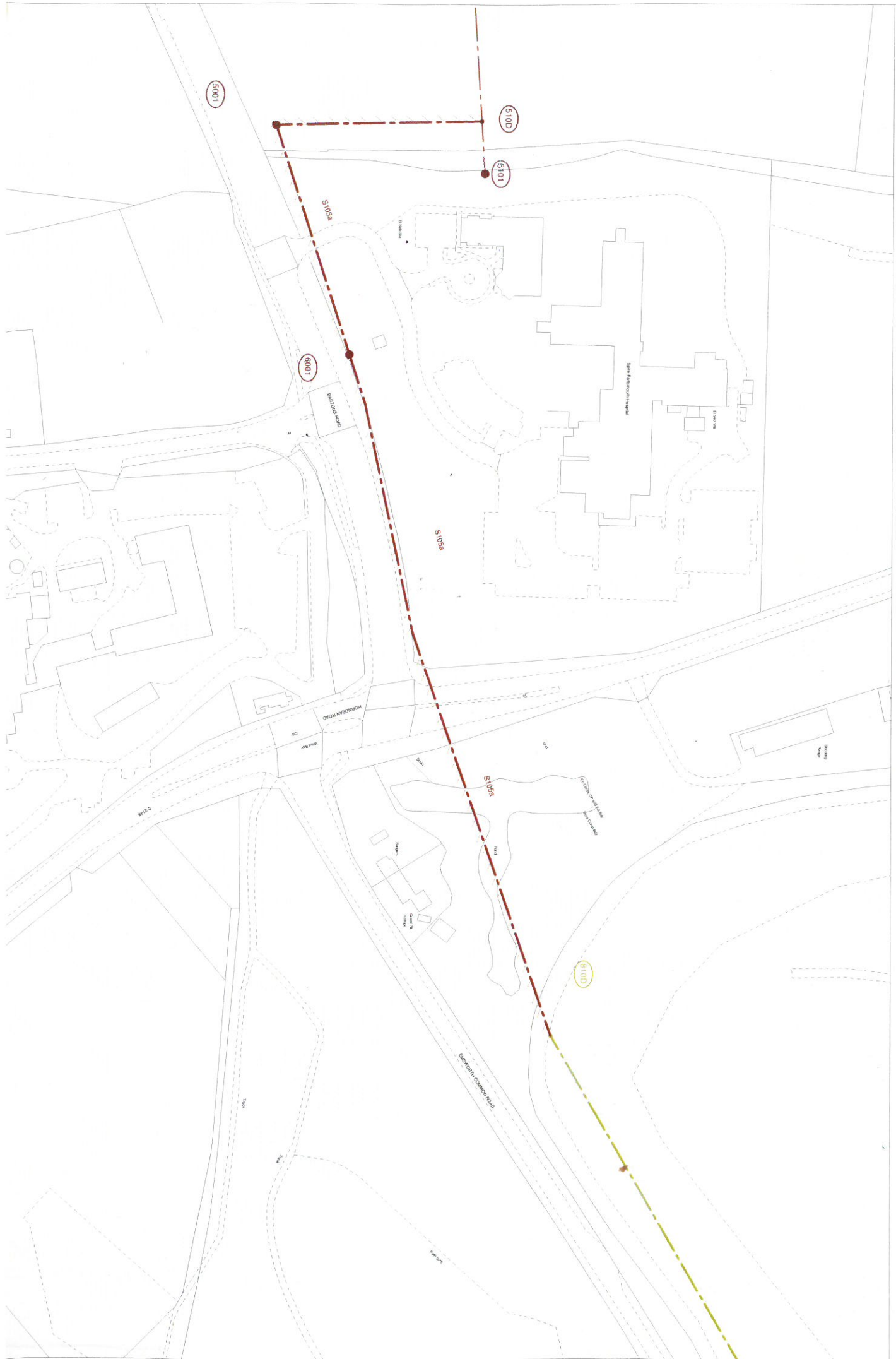
(BLOCK CAPITALS)

Date: _____

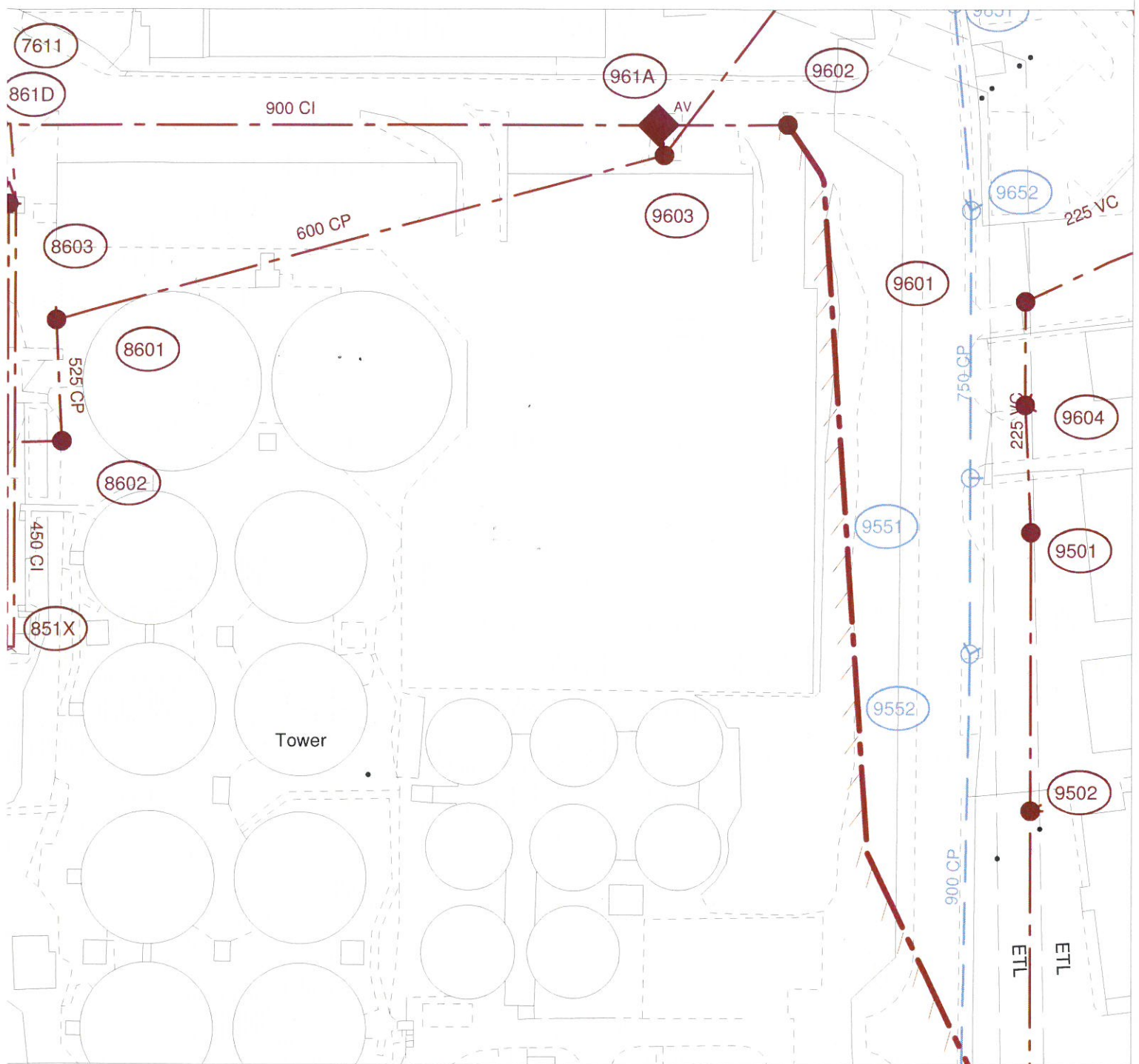
Position: _____

Please forward your complete submission to: Developer Services, Southern Water, Sparrowgrove House, Sparrowgrove, Otterbourne, Hampshire, SO21 2SW. Phone: 0330 303 0119 Fax: 01962 716228

SOUTHERN WATER



URN WATER



Printed By: krishmo

Date: 1-7-2016

Nearest Point Of Available Capacity

Requested By:



Ardent Consulting Engineers
Suite 207
One Alie Street
Aldgate
London

E1 8DE

Job No	Date
160720	9/11/16
Director	Circulation
TJF	MJR

Developer Services
Southern Water
Sparrowgrove House
Sparrowgrove
Otterbourne
Hampshire
SO21 2SW

Tel: **0330 303 0119**
Email: **developerservices@southernwater.co.uk**

Your Ref:

Our Ref:
CC-HANT-00474

Date:
7 November 2016

F.A.O: Millie Rickleton

Site: Southleigh Park House, Eastleigh Road, Havant. Hampshire. PO9 2PE

Dear Sirs,

Further to your recent application for a level 2 enquiry regarding the above development site.

FOUL WATER

Please find enclosed the capacity assessment recently undertaken for your proposed development site. As you are aware the owner or occupier of the premises or private sewer or drain must give the sewerage undertaker notice of the proposed works. Upon receipt of the notice the undertaker may, within 21 days, refuse to allow him to make the connection if it considers that the mode of construction or the condition of the connecting sewer or drain either does not satisfy the standards reasonably required by the undertaker, or is such that the making of the communication would be prejudicial to its sewerage system.

The right of refusal is limited to these criteria alone and the undertaker cannot refuse to allow the connection on the grounds that the sewerage system is inadequate to take the extra liquid that the connection will discharge into it. This is a matter that should be dealt with at the planning stage.

Yours faithfully

David Akehrst
Developer Services

Please note: - The information provided above does not grant approval for any designs/drawings submitted for the capacity analysis. The results quoted above are only valid for 12 months from the date of issue of this letter.



INFRASTRUCTURE ASSESSMENT FOR
FOUL DRAINAGE AT
SOUTHLEIGH PARK HOUSE
EASTLEIGH ROAD,
HAVANT,
HAMPSHIRE
PO92PE

7 NOVEMBER 2016

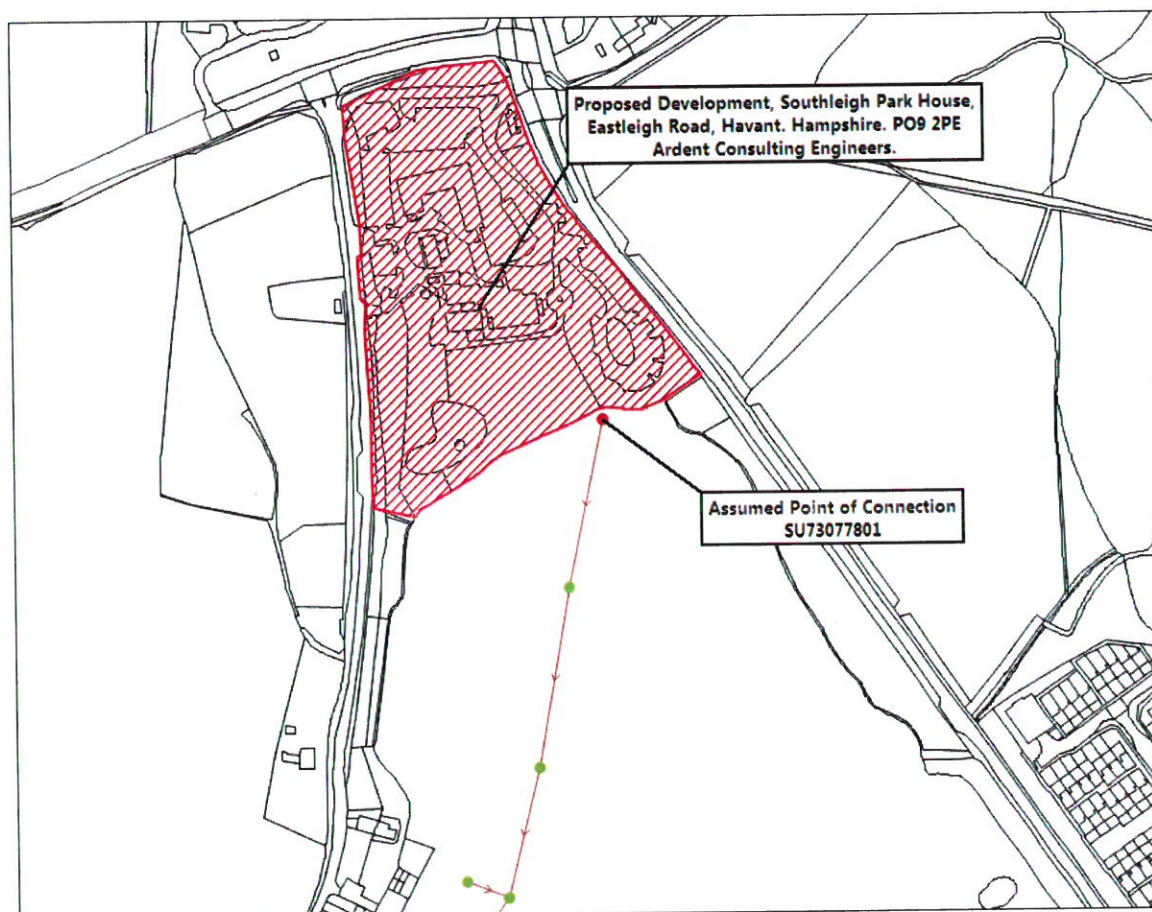
REQUESTED:
ARDENT CONSULTING ENGINEERS

Infrastructure Assessment for Foul Drainage at Southleigh Park House, Eastleigh Road, Havant. Hampshire. PO9 2PE

I. Development Details:

The proposal is to discharge foul flows to the local sewerage systems. The developer's preferred point of connection for the foul flows is at manhole SU73077801.

Figure 1 - Proposed Development - Foul Water System



Results:

Foul Water:

There is currently adequate capacity within the local sewerage network to accommodate the proposed foul flows at manhole reference SU73077801, off Eastleigh Road. The proposed development does not significantly increase flows to the local network and as a result existing properties and land should not be subject to a greater risk of flooding.

Section 98 of the Water Industry Act 1991 provides a legal mechanism through which the appropriate infrastructure can be requested (by the developer) and provided to drain a specific location.

Surface Water System:

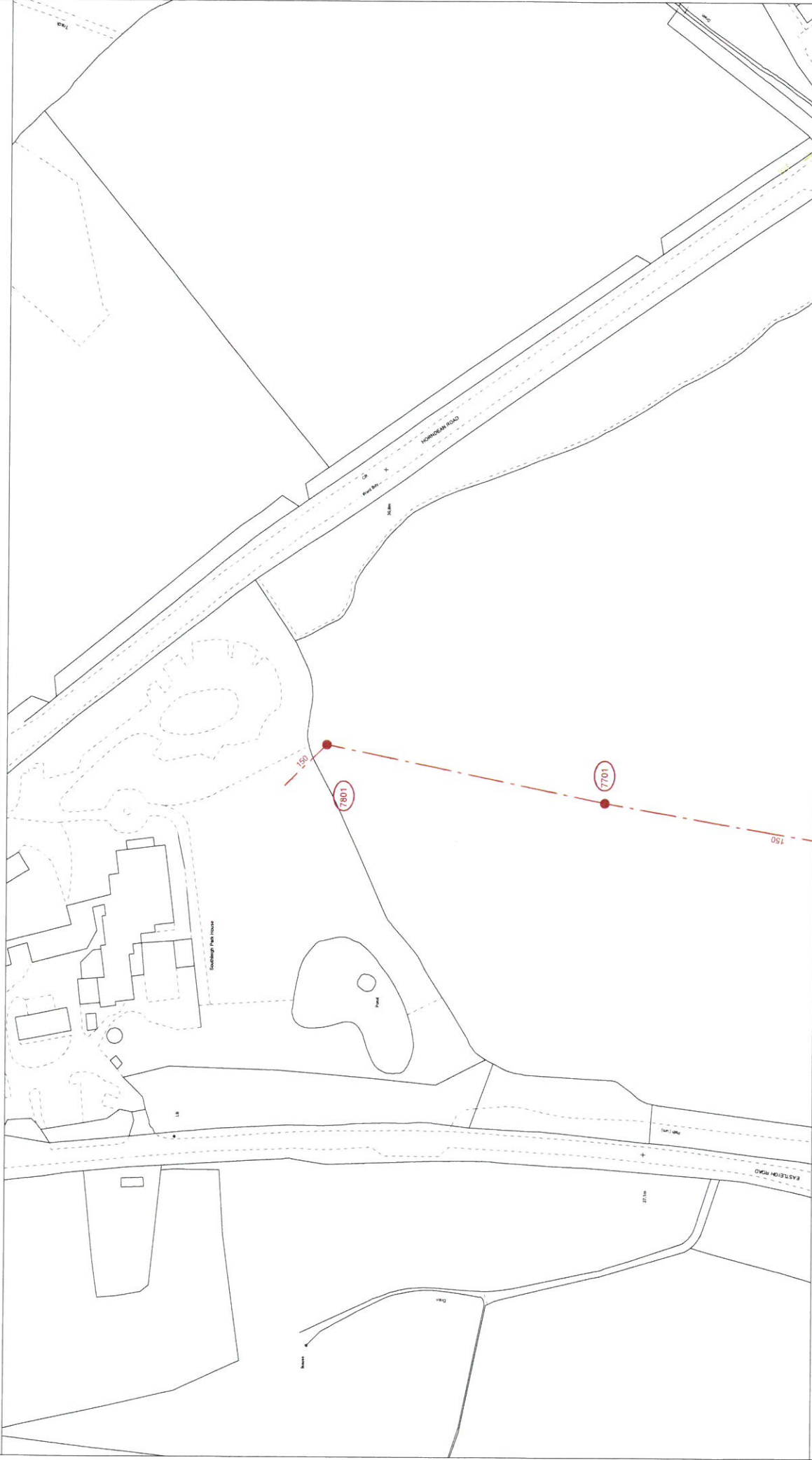
As a surface water capacity check has not been requested it is assumed that surface water will be disposed of by alternative means e.g. soakaway or any local drainage watercourses, subject to all interested parties' approval.

Before any connections are made, an application form needs to be completed and approved by Southern Water Services.

Please note: - The information provided above does not grant approval for any designs /drawings submitted for the capacity analysis. The results are an indicative hydraulic assessment and should not be used as a basis for design. The results quoted above are only valid for 12 months from the date of issue of this letter.

PUBLIC SEWER RECORD

SOUTHERN WATER



The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determined on site.

Based upon Ordnance Survey Digital Data with the permission of the controller of H.M.S.O. Crown Copyright Reserved Licence No. W17 298310

O.S. REF: SU7307NE

Scale: 1:1250

Sewer Plot

WARNING: BAC pipes are constructed of Banded Asbestos Cement

WARNING: Unknown (FINK) materials may include Banded Asbestos Cement



Printed By: peachja

Southern Water MapGuide Browser

Requested By:

sewer record extract



Date: 1-11-2016

Appendix G
BT Openreach Correspondence

Legend

CAUTION AREA

 BT.CAUTION_AREA

EQUIPMENT

 FIBRE, TCODE
 COPPER, CABINET
 COPPER, DP

DUCT

 A/C AERIAL
 TUNNEL
 DUCT

PROPOSED

 A/C AERIAL
 DUCT

STRUCTURE

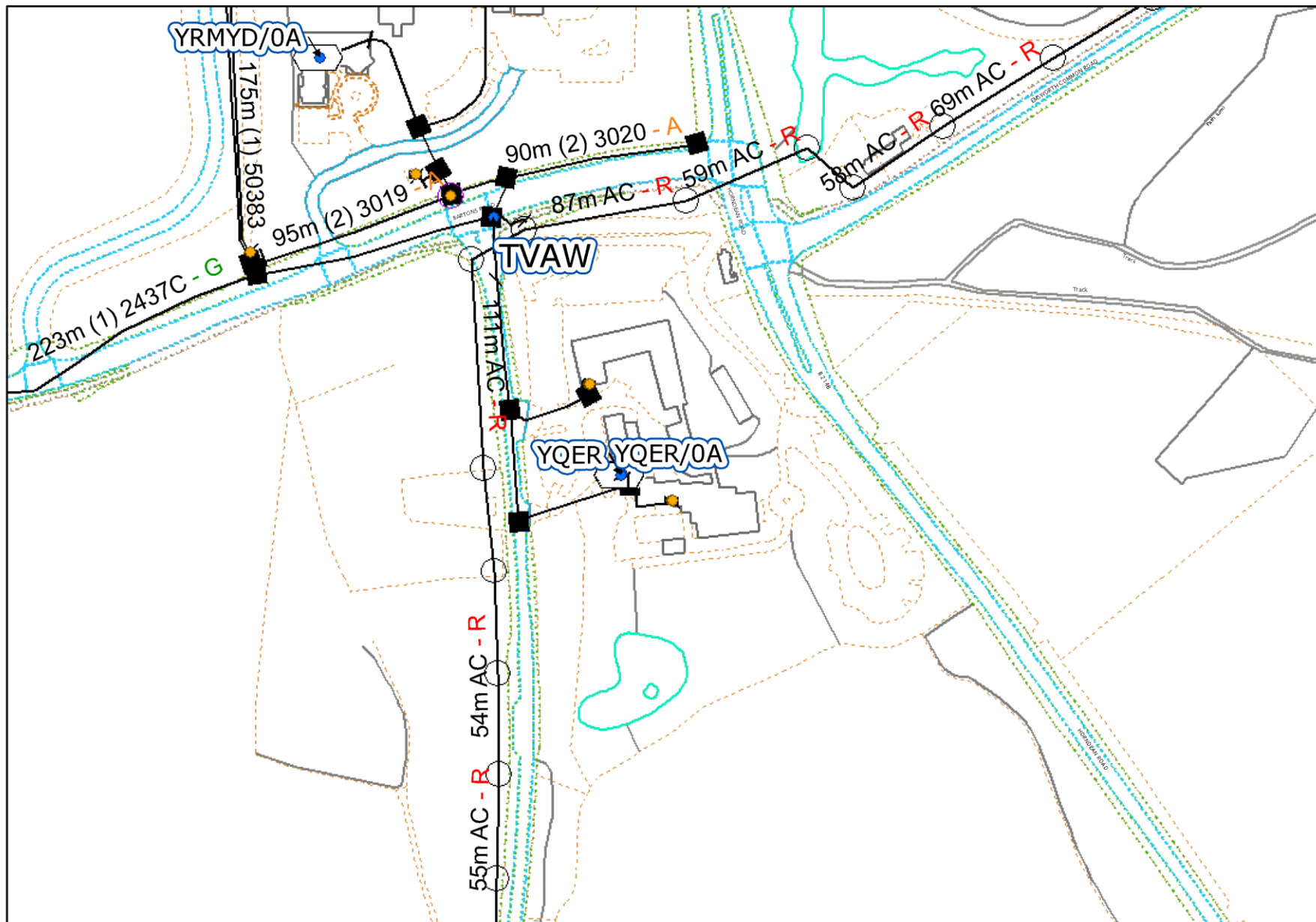
 YCODE
 CABINET SHELL
 SPLIT COUPLING
 POLE
 KIOSKS
 MANHOLE
 JOINTBOX
 CHANGE OF STATE
 DUCT TEE

PROPOSED

 MANHOLE
 JOINTBOX
 DUCT TEE

Other proposed plant is shown using dashed lines.

BT symbols not listed above may be disregarded.



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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.

Existing BT plant may not be recorded.
 Information valid at time of preparation.
 FOR FREE ON-SITE LOCATION & MARKING SERVICE
 CALL THE EXCHANGE OPERATOR AND ASK FOR >
 FREEPHONE 0800 9173993
 FAX 0208 3284050
 NATIONAL NEWSITES 0800 616866



PLANT INFORMATION REPLY

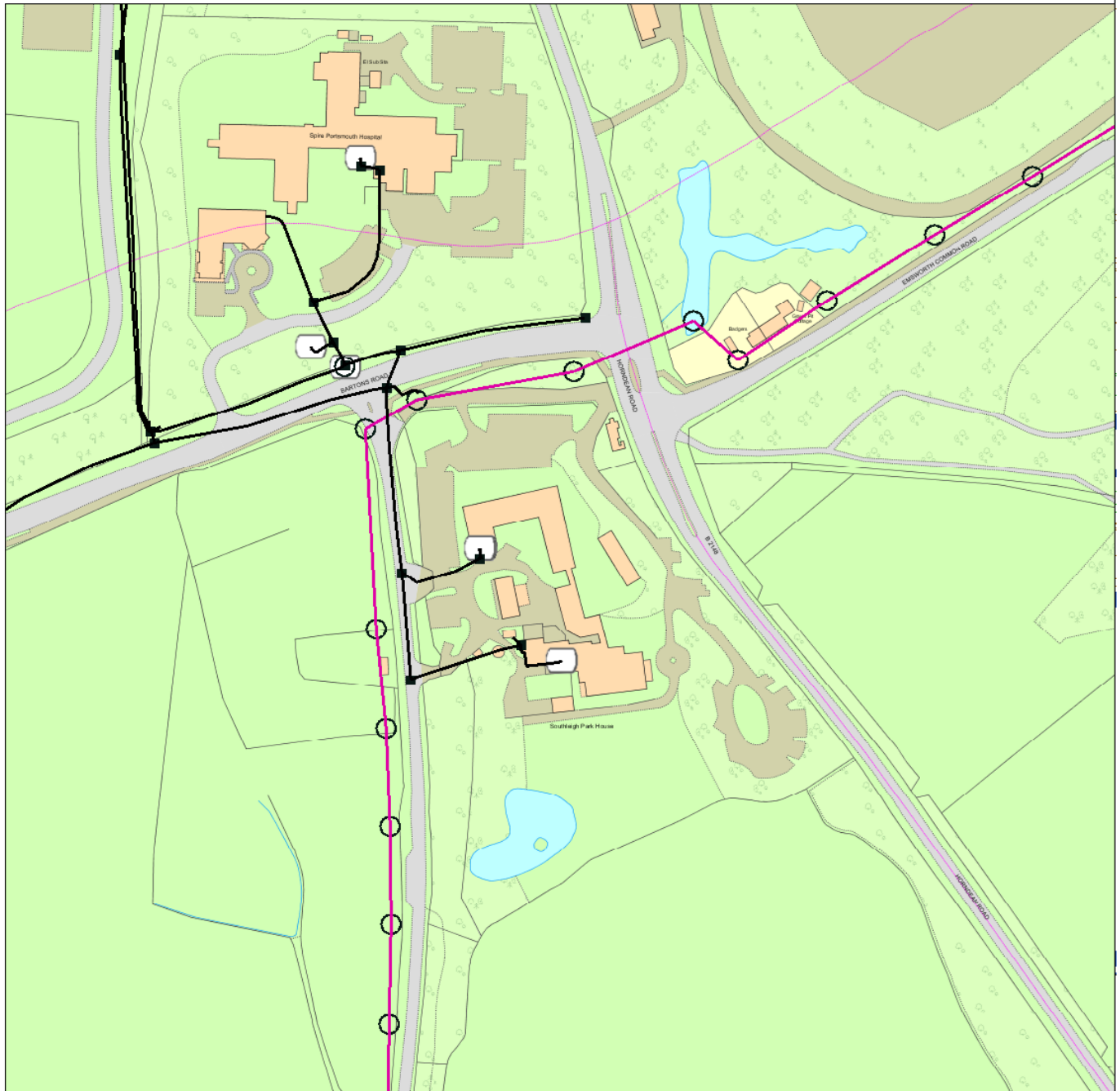
Openreach Reference : 246480/BLK313/MW

Ardent Consulting Engineers Reference : 160270

openreach
 a BT Group business



Maps by email Plant Information Reply



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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

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KEY TO BT SYMBOLS

	UNDERGROUND PLANT		POLE
	OVERHEAD PLANT		CABINET
	JOINT BOX		BURIED JOINT
	DISTRIBUTION POINT		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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BT Ref : PQI01554I

Map Reference : (centre) SU7371208006

Easting/Northing : (centre) 473712,108006

Issued : 01/06/2016 13:56:06

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

Ardent Consulting Engineers Limited
Suite 207
One Alie Street
London
E1 8DE

FAO: Millie Rickleton

Our Ref: 246480/BLK313/MW
Your Ref: 160270
27th June 2016

Dear Madam

PROPOSED NEW DEVELOPMENT AT SOUTHLEIGH HOUSE, EASTLEIGH ROAD,
HAVANT, HAMPSHIRE. PO9 2PE.

Thank you for your enquiry forwarded from our Openreach Newsites office.

An initial investigation of the above site proposals has been completed, and a detailed survey is now required to confirm that anticipated alterations to Openreach apparatus are the most cost effective means of protecting our network. Your proposals have been registered as works applicable to The Electronic Communications Code ("the Code"), Schedule 2 of the Telecommunications Act 1984 (as amended by the Communications Act 2003); Paragraph 20.

The estimated cost to provide a detailed estimate and specification for this work is [REDACTED] inclusive of VAT), which we will require in advance although the actual costs will be charged, whether more or less than this.

Because we consider a detailed investigation is essential to ensure our network is protected, we will contact you within 30 working days if payment has not been received unless you inform us that your proposals or circumstances have changed.

After receipt of payment, we will contact you where necessary and if there is no alternative to the alterations work, we will provide a single detailed estimate of the costs and a specification. However, if your proposals are not suitably detailed, then we may agree to provide a budget costing in advance of this. We would normally expect to complete this within 25 working days when we will also inform you of the next steps. If our expense is likely to exceed the advance payment you have made, particularly if additional or alternative costings are required, then further payments will be requested from you.

After provision of the final detailed estimate and your agreement to the associated specification, we will review our expenditure and provide a final invoice to settle the costs for this work before moving on to the next stage of the project.

Repayments (Alterations)
PP 3004
Portsmouth Central TE
King Henry 1 Street
Portsmouth
PO1 2BZ

tele: 02032516574
fax: 02392812078
mob: 07918 071771
email: martin.r.ward@openreach.co.uk

British Telecommunications plc
Registered Office:
81 Newgate Street, London EC1A 7AJ
Registered in England and Wales no. 1800000
www.openreach.co.uk

If you have not already done so, please ensure you include preferred contact details, detailed plans and any supporting information for your proposals along with the advance payment.

See over for payment details.

Please note that we offer a site visit service to locate and mark the position of Openreach apparatus within your work area. To arrange a site visit from a Plant Protection Officer email cbyd@openreach.co.uk

Openreach also provides a "Maps-by-Email" service to enable you to receive a copy of our plant records. If you haven't used this service before and would like to, please send an e-mail requesting details to stoke.incoming.notices@openreach.co.uk and an information pack will be sent to you.

Yours faithfully

Martin Ward
Repayments Project Engineer

Repayments (Alterations)

PP 3004
Portsmouth Central TE
King Henry 1 Street
Portsmouth
PO1 2BZ

tele: 02032516574
fax: 02392812078
mob: 07918 071771
email: martin.r.ward@openreach.co.uk

British Telecommunications plc
Registered Office:
81 Newgate Street, London EC1A 7AJ
Registered in England and Wales no. 1800000
www.openreach.co.uk

Payment Details

There are three ways to pay the standard charge XXXXXXXXXX

1. By Cheque

- This is our preferred method of payment
- Please make cheques payable to **British Telecommunications Plc**
- Send your cheque with your order / letter of authorisation to proceed with the works to the Project Engineer shown below (order not to contain contractual conditions)
- If an invoice is required to make payment, then contact the project engineer shown below, otherwise a retrospective invoice will be dispatched to you.
- Write your cheque number here: _____
- Write the cheque amount here: £_____

2. Using Bank Automated Clearing Services (BACS)

When your order / letter of authorisation to proceed with the works has been received an invoice for payment will be returned with the necessary BACS payment details.

3. Telephone Credit Card Payments, to pay by credit card simply call our dedicated card payment team on Freephone 0808 100 0834, the opening hours are 9am to 4.30pm Monday to Friday.

Please quote the Openreach reference number / invoice number for all methods of payment otherwise payment may not be allocated to your job.

N.B. For either method of payment please complete this form and return with your order / letter of authorisation to the Project Engineer, address below. Please remember, however you pay, the works will not commence until this form and your payment have been received.

Title/Location of Work	New Development At Southleigh House, Eastleigh Road, Havant, Hampshire. PO9 2PE.
Project Engineer Name	Martin Ward
Postal Address	PP3004, 3 rd Floor, Portsmouth Central ATE, King Henry 1 st Street, Portsmouth, Hampshire. PO1 2BZ.
Openreach Reference	246480/BLK313/MW
Client's Company Name	Ardent Consulting Engineers
Client Billing Address	Suite 207, One Alie Street, London. E1 8DE.
Client Contact	Millie Rickleton
Client Tel	02076804088

Our VAT number is **245719348**

Appendix H
Virgin Media Correspondence



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Date: 02/06/16

Scale: 1:4715

Map Centre: 473729,107953

Data updated: 01/05/16

Telecoms Plan A4

Important Information - please read The purpose of this plan is to identify Virgin Media apparatus. We have tried to make it as accurate as possible but we cannot warrant its accuracy. In addition, we caution that within Virgin Media apparatus there may be instances where mains voltage power cables have been placed inside green, rather than black ducting. Further details can be found using the 'Affected Postcodes.pdf', which can be downloaded from this website. Therefore, you must not rely solely on this plan if you are carrying out any excavation or other works in the vicinity of Virgin Media apparatus. The actual position of any underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used. Accordingly, unless it is due to the negligence of Virgin Media, its employees or agents, Virgin Media will not have any liability for any omissions or inaccuracies in the plan or for any loss or damage caused or arising from the use of and/or any reliance on this plan. This plan is produced by Virgin Media Limited (c) Crown copyright and database rights 2016 Ordnance Survey 100019209.

Duct, Trench



Chamber



Cabinet



sultan.mohammed@virginmedia.co.uk

VM.149121





ARDENT CONSULTING ENGINEERS
One Alie Street
London
E1 8DE

Virgin Media
Field Services
Units 1-12
Broad Lane
Mayfair Business Park
Bradford
Yorkshire
BD4 8PW

Tel: 0870 888 3116 Opt 2
Fax: 01268 468557

Plant Enquiry Ref: VM.149121
Your Letter Date: 01.06.2016
Your Ref: NA
Date: 02.06.2016

Hello,

Enquiry Location: Southleigh Park House, Eastleigh Road, Havant, Hampshire, PO9 2PE

Thank you for your enquiry regarding work at the above location.

Virgin Media and Vital plant should not be affected by your proposed work and no strategic additions to our existing network are envisaged in the immediate future.

Should your request be in relation to a New Development and you require an estimate to be prepared for Virgin Media to service your proposed development, please submit this request for costs along with site drawings (scale 1:500) to:

Virgin Media
New Build
Virgin Media
1 Dove Wynd
Strathclyde Business Park
Bellshill
ML4 3AL

This information is only valid on the date of issue. If your start date is 3 months or more from the date of this letter, please re-apply for updated information.

Yours faithfully,

National Plant Enquiries Team
email: plant.enquiries.team@virginmedia.co.uk

Please note: National Plant Enquiries Team (Bradford) cover and respond to plant enquiries for all ex ntl:Telewest franchise areas.

Shannon Higgins

From: Grant, Tom <Tom.Grant@virginmedia.co.uk>
Sent: 27 June 2016 09:53
To: Millie Rickleton
Cc: Grant, Tom
Subject: RE: RE: Our ref: 160720 - Southleigh Park House, Eastleigh Road, Havant, Hampshire, PO9 2PE [Filed 27 Jun 2016 18:25]

Millie,

We can confirm that Virgin Media are willing to serve this development.

Our reference is NBU 56082.

Virgin Media agree to free-issue the necessary on-site materials and to complete the off-site connection at no cost to the developer.

The developer is required to install the on-site ducted network as per the agreed scheme and to internally wire each unit with the specific VM approved cable provided to avoid surface cabling at a later date.

Virgin Media agree to pay the developer £125 per ducted and cabled unit on completion and sign-off by the allocated network inspector for the site.

Should you wish to proceed on this basis, please submit a detailed site layout when available.

Kind regards,

Tom Grant

Virgin Media | New Build Officer – South Central & South Coast

Mobile 07816 662132 | E-mail; tom.grant@virginmedia.co.uk

Website | <http://keepup.virginmedia.com/networkexpansion>



From: Millie Rickleton [mailto:mricketon@ardent-ce.co.uk]

Sent: 14 June 2016 14:55

To: Grant, Tom

Subject: RE: RE: Our ref: 160720 - Southleigh Park House, Eastleigh Road, Havant, Hampshire, PO9 2PE

Hi Tom,

I have filled in the form as best I can with the info I have to date.

Please also find attached the current latest site plan showing plot location and a breakdown of the accommodation schedule. the total number of units proposed is currently 87 residential units.

I trust this is sufficient information to proceed with the service proposal, however, please feel free to contact me should you require any additional information.

Kind regards,

Millie Rickleton
Technical Assistant

ARDENT

CONSULTING ENGINEERS

Suite 207, One Alie Street, London E1 8DE
Tel: 020 7680 4088 – Mobile: 07825795838
Web www.ardent-ce.co.uk

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From: Grant, Tom [<mailto:Tom.Grant@virginmedia.co.uk>]
Sent: 14 June 2016 10:30
To: Millie Rickleton
Cc: Grant, Tom
Subject: [Pending]RE: Our ref: 160720 - Southleigh Park House, Eastleigh Road, Havant, Hampshire, PO9 2PE

Hi Millie,

Thanks for your request.

We can confirm existing Virgin Media network in this location and subject to business case approval, that VM would be willing to serve the development with Fibre-Optic services at no cost to the developer.

Please complete and return the attached Site Requirement form together with a detailed site layout when available, and allow 30 days for a full service proposal.

Kind regards,

Tom Grant

New Build Officer South Central & South Coast
Virgin Media | Building 300 | Wharfedale Road | Winnersh | Wokingham RG41 5TZ
Tel: 0118 954 4879 Mob: 07816 662132
Tom.grant@virginmedia.co.uk

From: >New Build
Sent: 14 June 2016 08:44
To: Grant, Tom

Cc: 'mrickleton@ardent-ce.co.uk'

Subject: FW: Our ref: 160720 - Southleigh Park House, Eastleigh Road, Havant, Hampshire, PO9 2PE

Hi Tom,

Potential business case.

Thanks,
Eilidh

Eilidh McSeveney | Build Co-ordinator | New Build | 03703901695
Virgin Media | 1 Dove Wynd, Strathclyde Business Park, Bellshill, ML4 3AL

From: Millie Rickleton [<mailto:mrickleton@ardent-ce.co.uk>]

Sent: 13 June 2016 16:56

To: >New Build

Subject: Our ref: 160720 - Southleigh Park House, Eastleigh Road, Havant, Hampshire, PO9 2PE

Dear Sir/Madam,

Ardent Consulting Engineers is assisting with a potential redevelopment opportunity on land at Southleigh Park House, Eastleigh Road, Havant, Hampshire ('site location plan' attached). The red line boundary on the Site Location Plan demonstrates the area of interest. The area of interest is located at approximate grid co-ordinates 473712, 108006, with the nearest postcode for the site being PO9 2PE and an approximate site area of 3.4 hectares.

I have previously received C2 asset plans from yourselves and I am now interested in obtaining confirmation that there is sufficient capacity within the existing VM assets, and a quotation for supplying the site. Please see the 'site plan' attached for the layout of the proposed site including the location of plots and accesses. The site plan attached also highlights that there is a listed building on the site known as 'Southleigh Park House'; this listing building will be retained as part of the proposals to provide c3 residential units, however, the other buildings on site will be demolished and redeveloped.

As part of this process, we would be grateful if you can provide us with the following information:

- **Confirmation that there is sufficient spare capacity within the local network to serve the development proposals, include points of connection and identify any potential off-site reinforcement works (including a budget cost estimate); and**
- **Confirmation of the existing site connections and the existing electrical demands of the site if available**

The following plans have been attached;

- Site location plan showing the area of interest.
- Site plan showing the location of the proposed plots on the site

Please can you arrange for someone to ring me on 02076804088 to take payment over the phone for the asset plans at the earliest convenience.

We trust the above and attached is sufficient for your purposes at this stage, however should there be any matters arising please do not hesitate to contact me at mrickleton@ardent-ce.co.uk or, similarly, on 020 7680 4088.

Kind regards,

Millie Rickleton
Technical Assistant

ARDENT

CONSULTING ENGINEERS

Suite 207, One Alie Street, London E1 8DE
Tel: 020 7680 4088 – Mobile: 07825795838
Web www.ardent-ce.co.uk

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Appendix I
Vodafone Correspondence

