Issue Control Document

Premier Energy
specialists in utility infrastructure

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Site & Client Information	
Site:	Land off Horndean Road
Project No:	603669
Client:	Metis Homes (Winchester)
FAO:	Mike Burton
Copied to:	
Issue No:	1
Date:	25 April 2018

Description:
Site Investigation Report

Summary:

- Site Investigation Report attached.

Action required:

- Please review report.
- Discuss with Premier Energy if required.

Please note the following:

- The Virgin Media C4 diversion estimate is in progress following your recent payment and will be forwarded on receipt.
- If you wish to pursue the Openreach C4 estimate please raise the design fee as per my colleague Liam English's recent email.

Authorised: [redacted].

Matthew Newton
For and on behalf of:
Premier Energy Services Ltd

Premier Energy Services Ltd.
Registered office as above.
Incorporated in England and Wales No. 3023958

Premier Energy
specialists in utility infrastructure

Land off Horndean Road

Emsworth
PO10 7PU

17/04/2018

PROJECT NO.
603669

ISSUE NO.
1

STATUS
For Information

METIS HOMES
Modern Homes. Traditional Values.

Consultancy
Site Investigation

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1. Introduction

This report investigates the utility companies' existing plant within the vicinity of the site and the ability and capacity of this plant to serve the proposed development.

The report identifies and comments on any potential adverse effects the proposed development may have on the existing plant. The report also recommends further items of investigation and action where appropriate.

The report is based on the information provided by the client about the proposed development and the information provided by the utility and service organisations about their plant and networks. The information contained in this report is primarily based on desk research although a visual site inspection was made on 28/03/2018.

All costs given are budget only and therefore should not be used for contract purposes. Formal quotations can be provided for both new supplies and any diversions when the site has full planning permission and detailed plans are submitted to each utility.

Utility infrastructures are dynamic systems with new loads affecting them in different ways and new developments coming on stream all the time. The difficulty for site appraisal is that load cannot be secured until the formal site supply quotations have been applied for, accepted and paid. Therefore, it must be clearly understood that the information and budget costs given in this report could be superseded by load demand take-up at any time.

Site Access

The proposed site access is via a newly constructed crossover from Horndean Road.

During the access construction, caution will need to be exercised when working around the existing plant and temporary protection works may be necessary. Some utilities may also require the installation of spare ducts across the access for future use.

Hand dug trial holes should be carried out at proposed access roads to determine the exact depth and location of any plant. Costs can then be obtained based on the results of these trial excavations.

General Note on Diversions

Companies such as Premier Energy Surveys can carry out EML (Electromagnetic Location) and GPR (Ground Probing Radar) surveys to determine depth and location of plant, although their accuracy can be impaired due to congestion of plant or variations in ground conditions/plant material types.

We recommend, as a minimum, that an EML/GPR survey is carried out to determine the location of all utility plant in the vicinity of the site to establish the extent and necessity of all diversions. From this survey, further trial holes may be recommended to verify the exact location of services and possible diversions.

Site Information

Type of Heating

All units to be heated by gas.

Drawings

Location plan ref: N/A

Site layout ref: Design Proposal 01

Accommodation Schedule

Residential

Dwelling Type	No. of Beds	Total
House	2	6
House	3	8
House	4	2
Total		**16**

Commercial

Unit	Use	Area (m^2)
N/A		

Prepared by	Signed off by
[redacted]	
Anthony Higgs	Jason Raymond

Cert No 6206
ISO 9001

Premier Energy Services Ltd has taken all reasonable steps, within the timescales, to obtain the most robust information in this report but accepts no liability for the accuracy of such information or report and in addition to any limitation of liability under its Standard Terms and Conditions. These services are provided subject to our standard Scope of Services, the Supplementary Terms and our Standard Terms and Conditions.

This report is for the private and confidential use of the client for whom the report is undertaken and should not be reproduced in whole or in part or relied upon by third parties for any use whatsoever without the express authority of Premier Energy Services Ltd.

2. Executive Summary

The following summary is a collation of the information contained within this report and is not a complete schedule of costs. It may consist of a combination of costs provided by the utilities, PES's estimation of PC sums or other sources of information. Additional costs may be incurred, as further information is known about the development proposals and utility infrastructure requirements. It is recommended that full quotations are obtained if this is critical for contractual purposes.

Electric

Disconnections

Not anticipated.

Diversions

SSE quotation of **£749** to relocate the lamp column connection at the site entrance.

Reinforcement

Not anticipated.

New Connections

SSE budget cost of **£15,379** to serve 16x gas-heated units from LV network in Horndean Road.

Water

Disconnections

Not anticipated.

Diversions

Not anticipated.

Reinforcement

Not anticipated currently, although this will be reviewed again at formal quotation stage.

New Network (Mains)

Portsmouth Water estimate of the developer contribution towards on-site mains costs is up to **£5,000**.

New Connections (services)

Budget connection cost for 16x on-site 25mm connections is **£19,200**.

Infrastructure Charges

Residential charges for water and sewerage approx. **£14,064** at 2018-19 rates.

Gas

Disconnections

Not anticipated.

Diversions

Not anticipated.

Reinforcement

Not anticipated.

New Connections

AWH budget costs of **£8,396** apply for 16x gas-heated units based on low pressure connection point in Horndean Road.

Openreach

Diversions

Diversions are likely at the site entrance. Openreach require a cheque for **£1,581.89** inc. VAT to provide a C4 budget estimate.

New Connections

Rebate to the developer of **£2,240** based on 16x houses. Fibre to the premise (FTTP) possibly available, application to Openreach required to determine.

Virgin Media

Diversions

Diversions are likely. Costs TBC following your recent payment of the design fee, this response will be forwarded on receipt.

New Supplies

New connections possible. Further investigation required.

Independents

GTC

Diversions are not anticipated.

3. Electric

The Distribution Network Operator is SSE Networks.

3.1. Existing Network

Based on the utility asset maps there is LV apparatus in the vicinity of the site.

Figure 1 – SSE existing network

Source: SSE

An LV main is shown in the carriageway and opposite footway of Horndean Road to the site entrance. From this main an LV cable extends across the site entrance and appears to serve street lighting on the site side of the road.

Having reviewed the development proposals, diversions of the LV cables may be necessary. SSE have provided a quotation for **£749** to relocate the lamp column connection at the site entrance. Please note that this figure relates to the electric connection only, if you intend to re-site the lamp column itself this will require liaison with the council highways department and additional costs.

An EML/GPR survey and trial holes are recommended in conjunction with evaluation of crossover construction details.

We recommend that the client's legal team check for wayleaves, easements or leases to see if there are any legal conditions associated with removing plant that could affect lead times and costs.

Figure 2 – View of site entrance showing lamp column

Source: PES site survey

Please note that not all service connections or private apparatus are shown on the utility asset maps. Redundant services will require disconnection prior to starting on-site.

Indicative costs

Disconnections

Not anticipated.

Diversions

SSE quotation of **£749** to relocate the lamp column connection at the site entrance.

3.2. New Connections

SSE have provided a budget estimate of **£15,379** to serve the site. This is based on there being sufficient capacity to serve the site from the local LV network.

This estimate is based upon the point of connection being from the LV main in Horndean Road and is based upon 16x gas heated units.

In addition, a formal point of connection (PoC) quote from SSE has been received. They have provided a cost of **£546** for a connected load of 36kVA onto the local LV network in Horndean Road. Additional costs will apply to bring the LV supply onto the site and then to be distributed to individual meter positions. These works/costs could be via an ICP or IDNO.

If you wish to secure this load it may be worth considering paying the PoC quote although final design of the site may alter the capacity and the PoC may need updating.

SSE note that if the price of the electricity connections is critical to your decisions or financial commitment to this project, you are strongly advised to consider the option of asking them to provide a formal quotation.

Indicative costs

Reinforcement

Not anticipated.

New Connections

SSE budget cost of **£15,379** to serve 16x gas-heated units from LV network in Horndean Road.

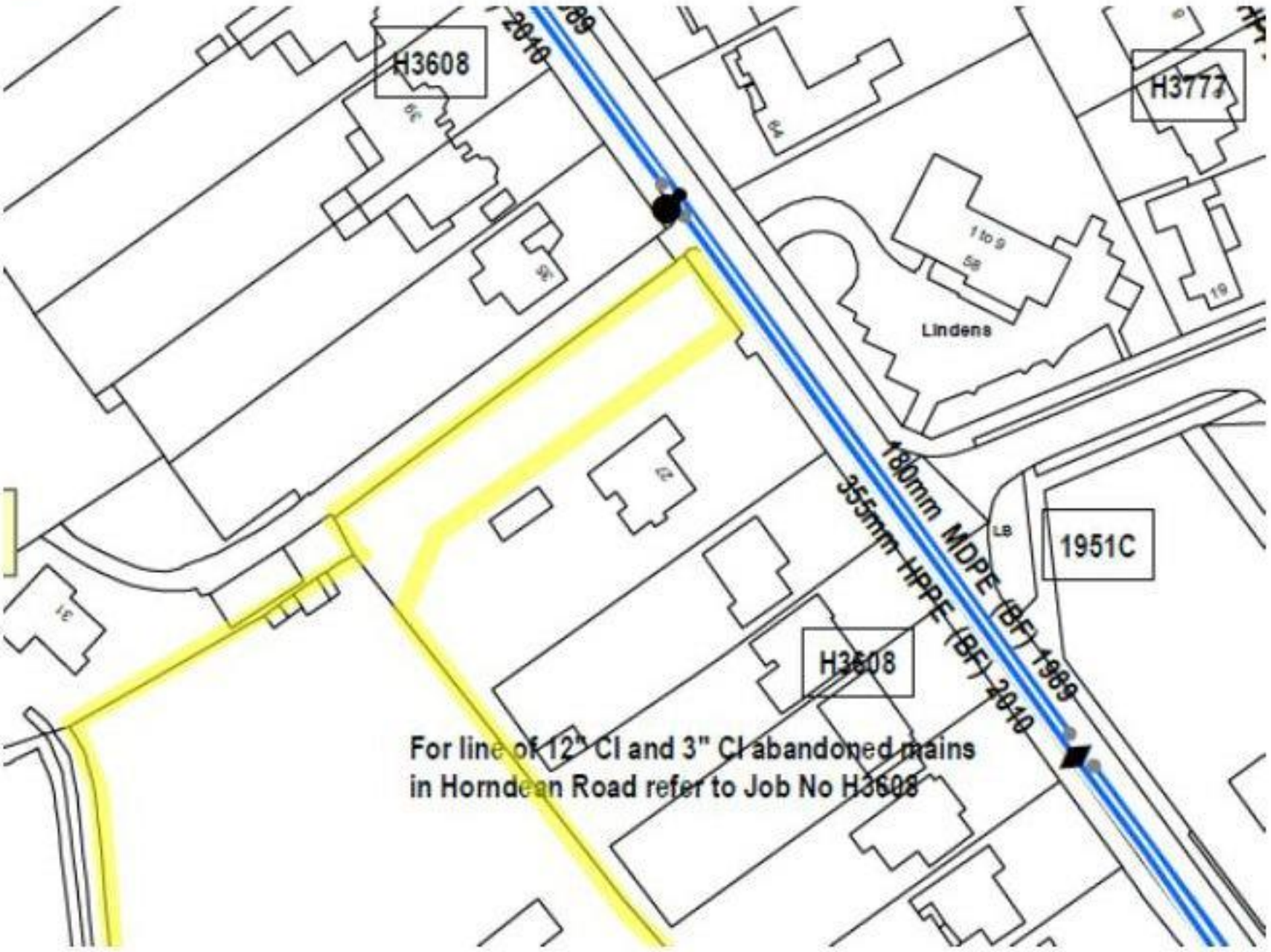
4. Water

The local incumbent water company is Portsmouth Water.

4.1. Existing Network

Based on the utility asset maps there are various water mains in the vicinity of the site.

Figure 3 – Portsmouth Water existing network



Source: Portsmouth Water

A 355mm HPPE main and a 180mm MDPE main are shown in the carriageway of Horndean Road. A fire hydrant is present in the footway to the north of the proposed site entrance.

12" CI and 3" CI mains are also noted to be abandoned but in the vicinity.

Having reviewed the utility asset maps and your development proposals, diversions of the water network would not appear to be necessary.

An EML/GPR survey and trial holes are recommended in conjunction with evaluation of crossover construction details, in case either or both of the abandoned mains are within the footway that crosses the site entrance.

Please note that not all service connections or private apparatus are shown on the utility asset maps. Redundant services will require disconnection prior to starting on-site.

Indicative costs

Disconnections

Not anticipated.

Diversions

Not anticipated.

4.2. New Network (Mains)

Premier Energy Services has made enquiries to Portsmouth Water regarding the capacity of their mains and their ability to serve the development.

Portsmouth Water have responded and advised that there currently appears to be sufficient capacity in their mains network to serve the site without reinforcement. They also note that there are several developable areas near the site that would require new mains and therefore that this advice would be reviewed when a formal quotation is requested.

However, based on there being sufficient capacity in the network Portsmouth Water have provided an on-site mains budget cost of up to £17,500.

Under Section 41/42 of the Water Act developers are offered a Mains Agreement Deposit or a Non-Returnable Contribution (NRC). The NRC is a % of the total cost of mains. Portsmouth Water have advised that the developer contribution could be up to **£5,000**.

Indicative costs

Reinforcement

Not anticipated currently, although this will be reviewed again at formal quotation stage.

New Network (Mains)

Portsmouth Water estimate of the developer contribution towards on-site mains costs is up to **£5,000**.

4.3. New Connections (Services)

Portsmouth Water advise a budget cost of £1,200 per plot.

The total budget connection cost for 16x units at this development is **£19,200**.

Indicative costs

New Connections (services)

Budget connection cost for 16x on-site 25mm connections is **£19,200**.

4.4. Infrastructure Charges

From April 2018 these will be payable for each dwelling at the rate set by Portsmouth Water (potable) and Southern Water (sewerage). The 2018-19 rates are £329 for potable water and £550 for sewerage. The sewerage charge is reduced from the normal £765 as your site is below 20 units in size. These charges will cover most reinforcement and network modelling costs.

These rates will change every April and could go up or down if unpaid.

Based on 2018-19 rates the total charge for 16x units at this site will be **£14,064**.

Credits may be available for previous usage, providing adequate evidence is produced and the usage has been within the last 5 years.

Indicative costs

Infrastructure Charges

Residential charges for water and sewerage approx. **£14,064** at 2018-19 rates.

5. Drainage

The local incumbent drainage company is Southern Water.

5.1. Existing Network

Utility asset maps are enclosed for information only.

Figure 4 – Southern Water drainage network

Source: Southern Water

6. Gas

The Gas Distribution Network is SGN.

6.1. Existing Network

Based on the utility asset maps there are various gas mains in the vicinity of the site.

Figure 5 – SGN existing network

Source: SGN

An 8" PE (in 15" CI) MP main is shown in the carriageway of Horndean Road. A 125mm PE LP main is shown in the opposite footway to the site.

Having reviewed the utility asset maps and your development proposals, diversion of the gas network would not appear to be necessary.

A GTC IGT network area is shown at Lindens opposite the site entrance at the junction of Horndean Road and Bellevue Lane. See section 9.1 for further details.

Indicative costs

Disconnections

Not anticipated.

Diversions

Not anticipated.

6.2. New Connections

SGN have confirmed that the nearest main with sufficient capacity is 7m from the site boundary and is the 8" MP main. SGN have also advised that the 125mm PE LP main has sufficient capacity.

In order to confirm the requirements to serve the site a formal application will be required. This assessment is usually carried out at detailed design stage.

SGN's Standard Condition 4B Statement - Section 2.12 and Annex D, explains where and how reinforcement is charged. In summary, SGN may charge reinforcement where the site is designated "sufficiently complex" and warrants further investigation. SGN will charge a design fee to determine the Connection Charging Point [CCP] (the point on the network where the required pressure and load could theoretically be served) from which it is determined if the customer (downstream of the CCP) or SGN (upstream of the CCP) pays for reinforcement subject to an Economic Test. If it is essential to know the costs before procurement of the final connection, then a design fee needs to be paid in order to obtain any reinforcement costs.

AWH has provided a budget cost of **£8,396** for the new mains and services to the site. This cost is based on external type metering to the frontage of the properties. No allowance has been made for steelwork or manifold arrangements. This cost is based upon connecting to the LP main in Horndean Road and assumes no off-site reinforcement works being required.

Indicative costs

Reinforcement

Not anticipated.

New Connections

AWH budget costs of **£8,396** apply for 16x gas-heated units based on low pressure connection point in Horndean Road.

7. Openreach

Openreach is the local telecommunications company.

7.1. Existing Network

Based on the utility asset maps there are various overhead cables, underground ducts, chambers and other surface equipment in the vicinity of the site.

Figure 6 – Openreach existing network

Source: Openreach

A duct and chamber route is shown in the footway of Horndean Road through the proposed site access crossover location. A chamber on this route is located immediately to the north of the proposed access and is linked to a pole that stands adjacent. This pole serves no. 27 with an overhead line which is routed across the proposed access road. Further lines head southwest along the site boundary to another pole near no. 31 which appears to serve buildings in this area.

Having reviewed the development proposals, diversion of the Openreach ducts across the access crossover may be necessary. An EML/GPR survey and trial holes are recommended in conjunction with evaluation of crossover construction details. The overhead line to no. 27 may also need to be relocated if the height of the cable conflicts with construction traffic/future refuse collection lorries etc using the entrance.

Figure 7 – Openreach chamber and base of pole adj. 31 Horndean Road entrance driveway

Source: PES site survey

Costs could be high and further investigation is required.

To provide a C4 budget estimate Openreach require a design fee of **£1,581.89**, which at this stage you have yet to pay.

There is the possibility of fibreoptic and/or copper telecoms equipment in ducts that extend into site. These need disconnecting prior to site demolition.

Indicative costs

Diversions

Diversions are likely at the site entrance. Openreach require a cheque for **£1,581.89** inc. VAT to provide a C4 budget estimate.

7.2. New Connections

Openreach will usually carry out any off-site works to bring their supply network to the site at no cost to the developer. However, if costs exceed £3400 per plot Openreach will charge the excess to the developer.

The on-site duct and joint box installation can be undertaken by the developer in accordance with standard Openreach design proposals and specifications. These works are carried out under contract to Openreach at a rate agreed by the House Builders Federation. These rates are currently set at £50 per flat and either £140 or £151 per house depending on the site location.

The rebate for the residential element is expected to be **£2,240** based on 16x houses.

Openreach will only automatically provide new fibre to the premise (FTTP) services for all new sites that exceed 30 residential units, as this site is below this threshold an application will need to be made to Openreach to establish what fibre options are available.

Indicative costs

New Connections

Rebate to the developer of **£2,240** based on 16x houses. Fibre to the premise (FTTP) possibly available, application to Openreach required to determine.

Based on the site postcode and BT's broadband speed checker, BT estimates the future broadband connection speed to be 6.5-15 Mbps. Fibre broadband could increase this to 65-80 Mbps.

8. Virgin Media

Virgin Media can provide phone, cable television and broadband services.

8.1. Existing Plant

Based on the utility asset maps there are various underground ducts, chambers and other surface equipment in the vicinity of the site.

Figure 8 – Virgin Media existing network

Source: Virgin Media

A Virgin Media duct and chamber route is shown in the footway of Horndean Road through the proposed site access crossover location. A chamber on this route is located north of the entrance driveway to no. 31 Horndean Road, this was verified during the site survey.

Having reviewed the development proposals, diversion of the Virgin Media network may be necessary at the site entrance. An EML/GPR survey and trial holes are recommended in conjunction with evaluation of crossover construction details.

Costs could be high and further investigation is required.

You have recently paid the design fee for this enquiry and a diversion estimate is currently in progress.

Indicative costs

Diversions

Diversions are likely. Costs TBC following your recent payment of the design fee, this response will be forwarded on receipt.

8.2. New Connections

Virgin Media has implemented strict financial controls for any new network projects. They do not guarantee to provide cable services to any site because each development is subject to a financial appraisal.

If the site passes the financial criteria then the developer, under contract to Virgin Media, can undertake the installation.

Indicative costs

New Supplies

New connections possible. Further investigation required.

When the site is ready to proceed, Virgin Media will raise a business case proposal – this may include costs for the developer to bear.

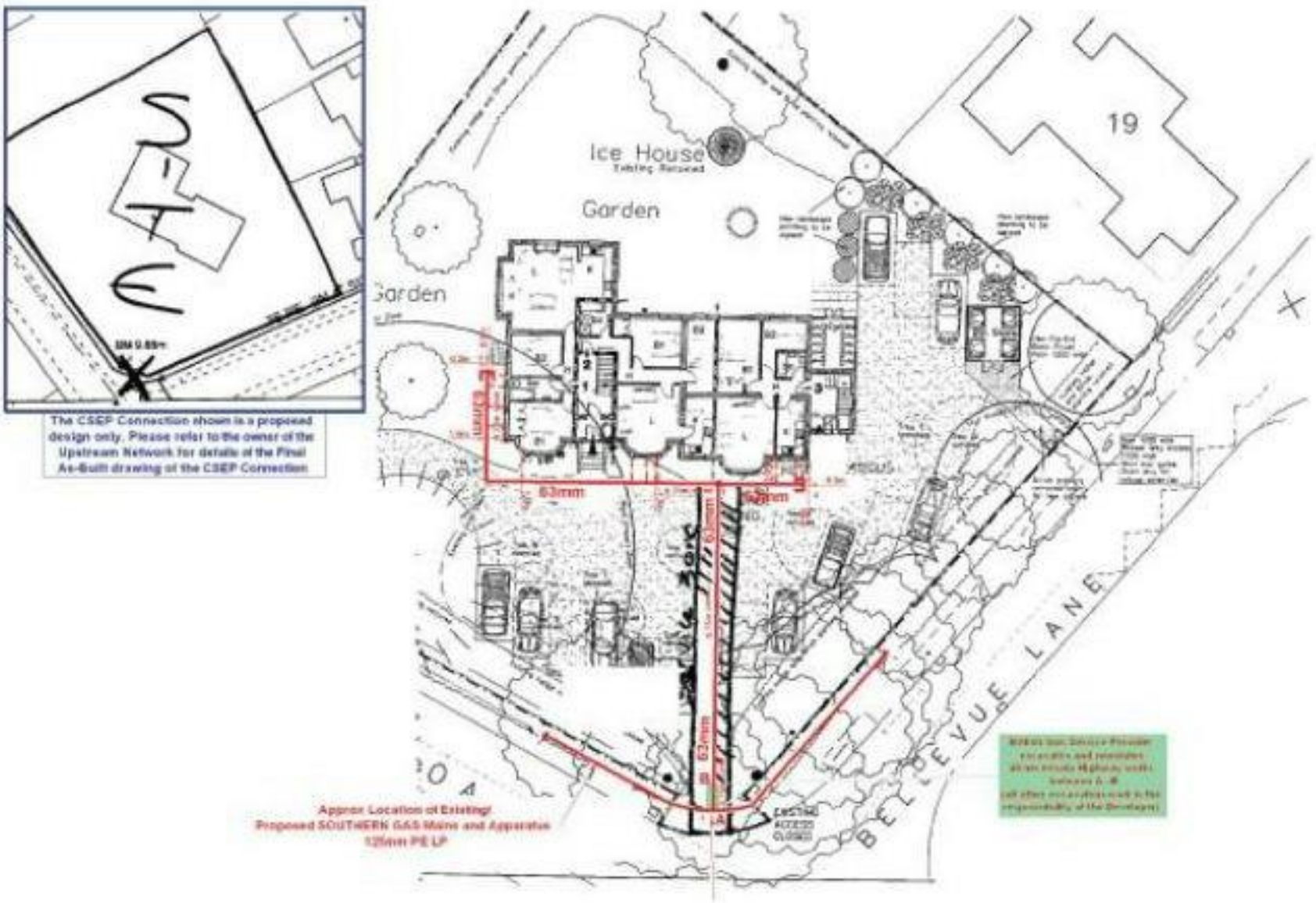
9. Independents

IDNOs, IGTs and multi-utility water and fibre networks.

9.1. GTC

GTC has confirmed that they operate a gas network at Lindens opposite the site entrance at the junction of Horndean Road and Bellevue Lane.

Figure 9 – GTC existing gas network



Source: GTC

This is not expected to impact the site based on your works not extending to this area.

Indicative costs

GTC

Diversions are not anticipated.

9.2. Energetics

Energetics has confirmed plant is not affected.

9.3. Other IDNOs/IGTs

Desk research indicates no further IDNOs/IGTs in the vicinity of the site.

10. Other

Various other statutory undertakers.

10.1. LinesearchbeforeUdig

AWE Pipeline, BOC Ltd, BP Exploration Operating Co Ltd, BPA, Carrington Gas Pipeline, CATS Pipeline c/o Wood Group PSN, Cemex, Centrica Storage Ltd, CLH Pipeline System Ltd, Concept Solutions People Ltd, ConocoPhillips (UK) Ltd, DIO (MoD Abandoned Pipelines), E.ON UK CHP Ltd, EirGrid, Electricity North West Ltd, ENI & Himor c/o Penspen Ltd, EnQuest NNS Ltd, EP Langage Ltd, ESP Utilities Group, ESSAR, Esso Petroleum Company Ltd, Fulcrum Pipelines Ltd, Gamma, Gateshead Energy Company, Gigaclear Plc, GTT, Humbley Grove Energy, IGas Energy, INEOS FPS Pipelines, INEOS Manufacturing (Scotland and TSEP), INOVYN Enterprises Ltd, Intergen (Coryton Energy or Spalding Energy), Mainline Pipelines Ltd, Manchester Jetline Ltd, Manx Cable Company, Marchwood Power Ltd (Gas Pipeline), Melbourn Solar Ltd, National Grid Gas and Electricity Transmission, Northumbrian Water Group, Npower CHP Pipelines, Oikos Storage Ltd, Orsted, Perenco UK Ltd (Purbeck Southampton Pipeline), Petroineos, Phillips 66, Premier Transmission Ltd (SNIP), Prysmian Cables & Systems Ltd c/o Western Link, Redundant Pipelines (Land Powers Defence Act 1958), RWEnpower (Little Barford and South Haven), SABIC UK Petrochemicals, Scottish Power Generation, Seabank Power Ltd, Shell (St Fergus to Mossmorran), Shell Pipelines, SSE (Peterhead Power Station), TATA Communications c/o JSM Group Ltd, Total (Finaline, Colnbrook & Colwick Pipelines), Transmission Capital, UK Power Networks, Uniper UK Ltd, Vattenfall, Veolia ES SELCHP Ltd, Western Power Distribution, Westminster City Council, Wingas Storage UK Ltd, Zayo Group UK Ltd c/o JSM Group Ltd are not affected.

For SGN see section 6.1.

11. Communications

Telecoms, fibreoptic and mobile communications.

11.1. Vodafone Ltd

Atkins has confirmed Vodafone plant is not affected.

11.2. Colt

CA Telecom has confirmed Colt plant is not affected.

11.3. KPN

Instalcom has confirmed plant is not affected.

11.4. SKY Telecommunications

Sky has confirmed plant is not affected.

11.5. Interoute (inc 51 Degrees)

Plancast has confirmed Interoute plant is not affected.

11.6. SOTA

Desk research indicates SOTA plant is not in the vicinity of the site.

11.7. Instalcom (multiple co's)

Instalcom has confirmed CenturyLink Communications, Global Crossing UK, Global Crossing PEC, Fibernet UK and FibreSpan plant is not affected.

11.8. Verizon

Verizon has confirmed plant is not affected.

11.9. Vtesse Networks

Vtesse has confirmed plant is not affected.

11.10. TeliaSonera

Telent has confirmed TeliaSonera plant is not affected.

11.11. euNetworks

Desk research indicates euNetworks plant is not in the vicinity of the site.

11.12. SSE Telecoms

Desk research indicates SSE Telecoms plant is not in the vicinity of the site.

11.13. CityFibre

Desk research indicates CityFibre plant is not in the vicinity of the site.

11.14. Mast Data

Desk research indicates no mobile mast base stations are in the vicinity of the site.

12. Tunnels & Pipelines

Underground structures linked to utility networks.

12.1. BT Deep Level Tunnels

Desk research indicates BT Deep Level Tunnels plant is not in the vicinity of the site.

12.2. Thames Water Ring Main

Desk research indicates that the ring main is not in the vicinity of the site.

12.3. Thames Tunnel

Desk research indicates there are no planned Thames Tideway Tunnel works in the vicinity.

12.4. Post Office Tunnels

Desk research indicates Post Office Tunnels are not in the vicinity of the site.

13. Transport

Road and rail plant networks.

13.1. Docklands Light Railway

Desk research indicates Docklands Light Rail is not in the vicinity of the site.

13.2. London Underground

Desk research indicates LUL plant is not in the vicinity of the site.

13.3. LUL HV Power Assets

Desk research indicates LUL HV Power Assets (the electricity cable network of the London Underground) are not in the vicinity of the site.

13.4. Crossrail

Desk research indicates Crossrail is not in the vicinity.

13.5. Network Rail

Unless the site is adjacent to the railway line Network Rail will not respond. Desk research shows this site is clear of the line.

13.6. Transport for London

Desk research indicates TfL plant is not in the vicinity of the site.

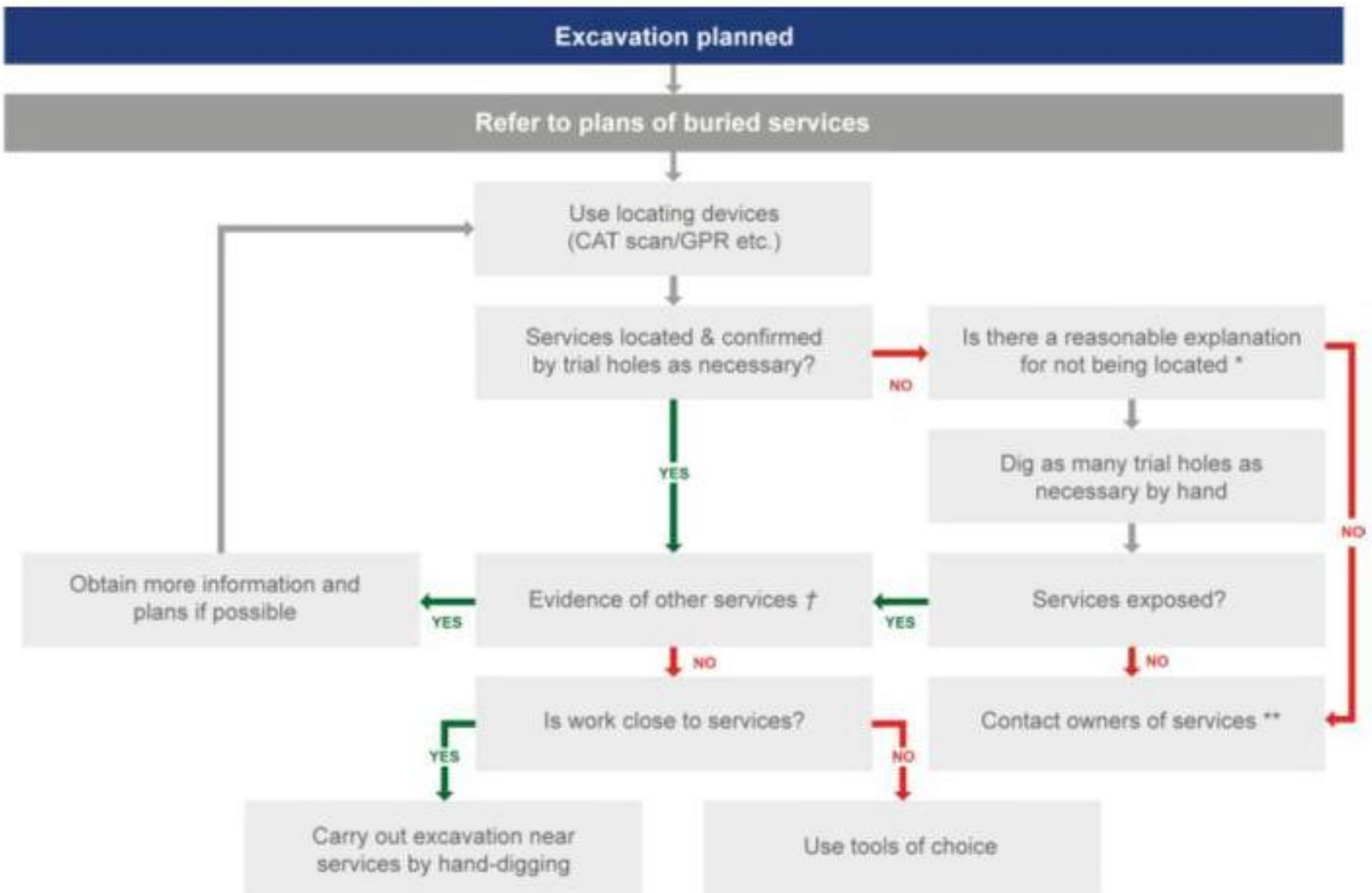
13.7. Trafficmaster

Desk research indicates Trafficmaster apparatus is not in the vicinity.

14. Important Information

This flow diagram is intended to help give an understanding of the process from referring to plans on-site through to the start of excavation, for example when excavating in a road or footway. However it:

- Describes only part of the process; it does not, for example, describe planning the work, including reference to plans at the design stage;
- Is a simplified picture and not a substitute for reading the text;
- Is not a substitute for a suitable and sufficient risk assessment;
- Does not take account of a number of other situations, e.g. cable embedded in concrete or those situations where resiting services is proposed.



* *For example, could services be non-metallic pipes? Please refer to HS (G) 47 text for further information.*

† *In particular; visual evidence. Ensure that the presence of services, which may be unmarked on plans or for which no plans are available, has been considered, for example service connections.*

** *If there is visual evidence of services, but owners cannot be traced, despite all reasonable attempts to do so, any excavation could proceed but using hand-dug trial holes and proceeding with great care.*

14. Important Information

Relevant Documents

The following documents must be referred to before work commences in the vicinity of existing services:

- Health and Safety Booklet HS (GS) 6 Avoidance of Danger from Overhead Electric Lines.
- General Safety Measures to Avoid Injury and Damage to Gas Apparatus.
- HSE Guidance Note HS (G) 47 Avoiding Danger from Underground Services.
- National Joint Utilities Group (NJUG) Publications Vol. 1.
- CDM Regulations 2015.
- PAS 128:2014 Specification for Underground Utility Detection, Verification and Location.

Basic Risk Assumption for all Services

When dealing with existing services the following assumptions must always be accepted:

- All existing buildings have gas, water, electric and telecoms supplies to them until proven otherwise.
- Any supply to an existing building, no matter how old the building is or how deteriorated the supply may appear, is taken to be live until proven otherwise.
- All open land, vacant lots and derelict sites are deemed to have services beneath them until proven otherwise.
- The only acceptable proof that a service is dead and can be removed is written confirmation from the owner of the service.
- The quality and accuracy of information provided by utilities about their existing plant is indicative and no warranty is made as to its accuracy. Therefore, any utility asset maps and/or marked up drawings provided by each utility must only be used as a guide and the actual location of plant should be verified by EML/GPR survey or trial holes before construction works commence.

Please note not all service connections are shown on the utility asset maps.

Plant Found Within Site Boundaries

Where utility plant is found within the site boundary, it is recommended for the client to check for legal easements or wayleaves.

Diversions of plant within site boundaries can be expensive and time consuming to relocate. Further investigation of costs and timescales are recommended. Please ask PES for further details.

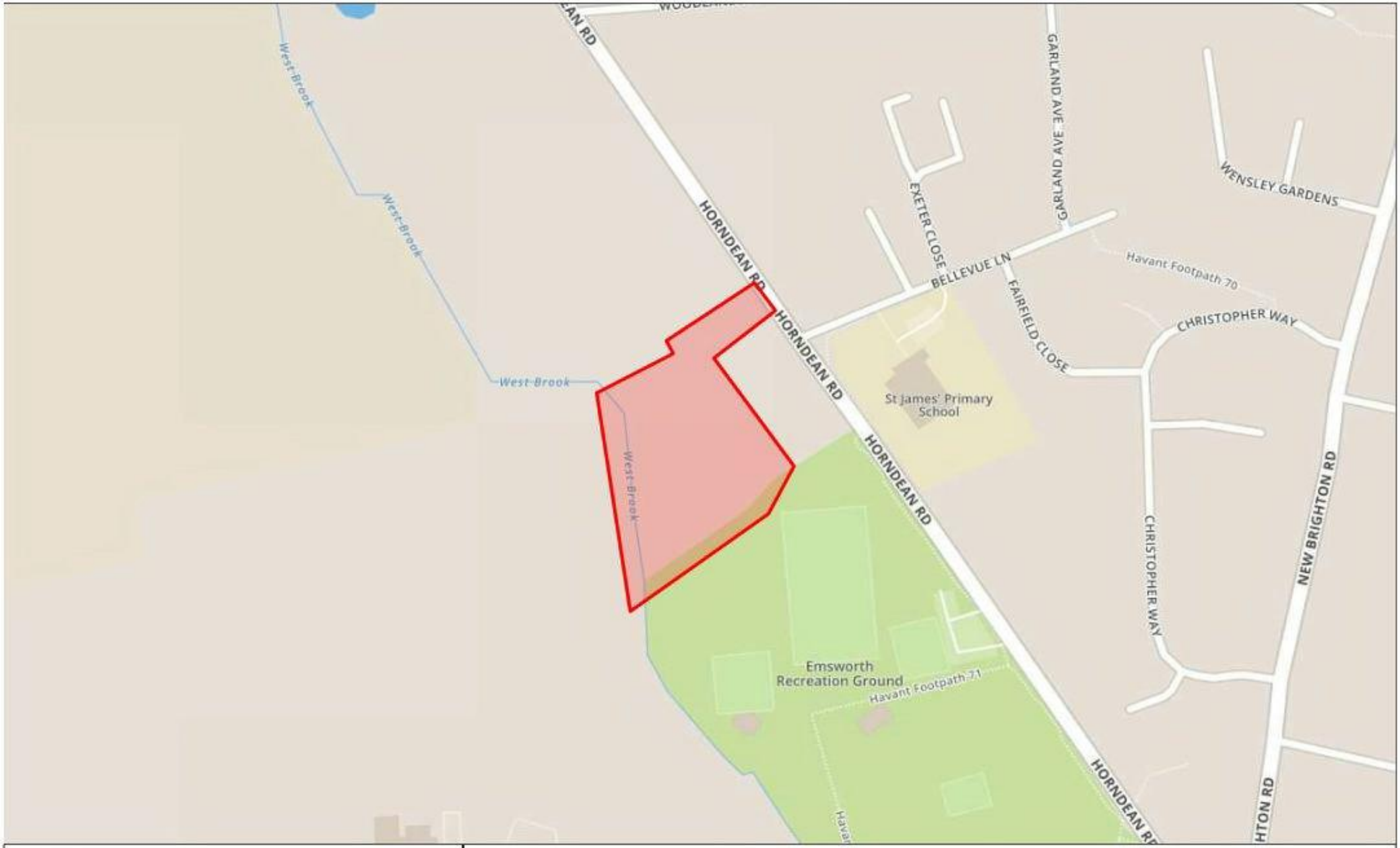
15. Enclosures

Type	Company	In Vicinity	Desk Research	Awaiting Response
Electricity	SSE Networks			
Water	Portsmouth Water			
Drainage	Southern Water			
Gas	SGN			
Openreach	Openreach (formerly BT)			
Virgin Media	Virgin Media			
Independents	GTC			
	Energetics			
Comms.	Vodafone Ltd			
	Colt			
	TATA			
	KPN			
	SKY Telecommunications			
	Interoute			
	SOTA		✓	
	Instalcom (multiple co's)			
	Verizon			
	Vtesse Networks			
	TeliaSonera			

	euNetworks		✓
	SSE Telecoms		✓
	CityFibre		✓
	Mast Data		
Tunnels & Pipelines	LinesearchbeforeUdig		
	BT Deep Level Tunnels		✓
	Thames Water Ring Main		✓
	Thames Tunnel		✓
	Post Office Tunnels		✓
Transport	Docklands Light Railway		✓
	London Underground		✓
	LUL HV Power Assets		✓
	Crossrail		✓
	Network Rail		✓
	Transport for London		✓
	Trafficmaster		✓

16. Acronyms Key

Apparatus			
Electric			
DNO	Distribution Network Operator	kVA	Kilo Volt Amperes
IDNO	Independent Distribution Network Operator	MVA	Mega Volt Amperes
ICP	Independent Connections Provider	AC	Alternating Current
LV	Low Voltage	S/S	Substation
HV	High Voltage	PMT	Pole Mounted Transformer
EHV	Extra High Voltage		
Water			
SLO	Self Lay Organisation	WRAS	Water Regulation Advisory Scheme
Incumbent	Local Water or Water & Sewerage Company		
Gas			
GDN	Gas Distribution Network	LP	Low Pressure
IGT	Independent Gas Transporter	MP	Medium Pressure
UIP	Utility Infrastructure Provider	IP	Intermediate Pressure
PRS	Pressure Reducing Station (Governor)	HP	High Pressure
Others			
PES	Premier Energy Services	CATV	Cable Television
PE	Polyethylene	FTTP	Fibre to the premise
DI	Ductile Iron	FTTC	Fibre to the cabinet
ST	Steel	l/min	Litres per minute
CI	Cast Iron	H&S	Health & Safety
SI	Spun Iron	HBF	House Builders Federation
HPPE	High Performance Polyethylene	TPO	Tree Preservation Order
MDPE	Medium Density Polyethylene	TBC	To be confirmed
GRP	Glass Reinforced Plastic	N/A	Not Applicable



Premier Energy
specialists in utility infrastructure

Request Ref: 503217

Land off Horndean Road, Emsworth, PO10 7PU
Eastings 474513, **Northings** 106834

Imagery sourced from Open Street Maps

Premier Energy
specialists in utility infrastructure

Request Ref: 503217

Land off Horndean Road, Emsworth, PO10 7PU
Eastings 474513, **Northings** 106834

Imagery sourced from ArcGIS World Imagery

Schedule of Accommodation

HOUSE TYPE	No	CAR SPs
2-Bed Houses (@ c.850ft²)	6	12
3-Bed Houses (@ c.950ft²)	5	10
3-Bed Houses (@ c.1000ft²)	3	6
4-Bed Houses (@ c.1500ft²)	1	3
4-Bed Houses (@ c.1520ft²)	1	3
(Visitor [assumed on basis of 1/2 spaces per dwelling])		4
Total 16 Dwellings		38

AFFORDABLE UNITS
30% of Dwellings = 5 Units

CYCLES (per unit)
2 secure & covered residents cycle spaces (garage or garden shed)
1 visitor cycle space near front entrance (wall hoop or similar)

SITE AREA/DENSITY
0.93 Hectares (gross) = 17 DPH
[including access strip and flood zone]
0.52 Hectares (net developable) = 31 DPH
[excluding access strip and flood zone]

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DESIGN PROPOSAL 01

adp architects ltd
architects & urban designers
Richmond Court, 94 Botley Road, Park Gate, Southampton, SO31 1BA
Tel: 01489 584 503
Email: mail@adp-ltd.co.uk
www.adparchitectsltd.co.uk

RESIDENTIAL DEVELOPMENT • LAND OFF HORNDEAN ROAD, EMSWORTH

DESK RESEARCH

Premier Energy

Project No:	603669
Date:	15/03/2018
Client:	Metis Homes
Site:	Land off Horndean Road

Postcode:	PO10 7PU	
OS Ref:	SU 74512 06834	
National Grid Ref:	Easting: 474512	Northing: 106834

UTILITIES

OPENREACH & DEEP LEVEL TUNNELS Asset map requested?	Yes ☑	No ☐	SIGNED
Is the Openreach plan marked with hatching in the vicinity of the site? If yes, email enquiry to Openreach	Yes ☐ Sent ☐	No ☑	LR
Broadband check made (USIR only)?	Yes ☑	N/A ☐	

GAS NETWORK GT and IGT asset maps requested?	Yes ☑	No ☐	SIGNED

VIRGIN MEDIA Asset map requested?	Yes ☑	No ☐	SIGNED

COMMUNICATIONS

SOTA Is the site in Kent? If yes, email enquiry to McNicholas	Yes ☐ Sent ☐	No ☑	SIGNED LR

KCOM Is the site in the vicinity of Hull? If yes, email enquiry to KCOM	Yes ☐ Sent ☐	No ☑	SIGNED LR

SSE TELECOMS Is the site in the vicinity of SSE Telecoms? If yes, print asset map	Yes ☐ Done ☐	No ☑	SIGNED LR

CITYFIBRE Is the site in the vicinity of CityFibre? If yes, enquiry to CityFibre	Yes ☐ Done ☐	No ☑	SIGNED LR

MAST DATA Is the site in the vicinity of a base station? If yes, print details of base station	Yes ☐ Done ☐	No ☑	SIGNED LR

TUNNELS & PIPELINES

LINESEARCH Linesearch confirmed plant in vicinity? If yes, send enquiry to plant operator	Yes ☑ Sent ☑	No ☐	SIGNED LR

DESK RESEARCH

Premier Energy

THAMES WATER RING MAIN Is the site in the vicinity of the TWU Ring Main? If yes, ensure TWU asset map shows Ring Main	Yes ☐	No ☑	SIGNED LE

THAMES TUNNEL Is the site in the vicinity of any planned works? If yes, print details	Yes ☐ Done ☐	No ☑	SIGNED LE

TRANSPORT

NETWORK RAIL Is the site either (a) immediately adjacent to or above major Network Rail infrastructure such as substations or (b) on land formerly owned by Network Rail? If yes, email enquiry to Network Rail	Yes ☐ Sent ☐	No ☑	SIGNED LE

CROSSRAIL Is the site in the vicinity of Crossrail? If yes, email enquiry to Crossrail	Yes ☐ Sent ☐	No ☑	SIGNED LE

TRAFFICMASTER Is the site adjacent to a Trafficmaster installation? If yes, email enquiry to Trafficmaster	Yes ☐ Sent ☐	No ☑	SIGNED LE

GREATER LONDON YES ☐ NO ☑

euNETWORKS Is the site in the vicinity of euNetworks plant? If yes, email enquiry to euNetworks	Yes ☐ Sent ☐	No ☐	SIGNED

If site is within a Greater London Borough, send enquiries to: **TRANSPORT FOR LONDON** **LUL HV POWER ASSETS** **LONDON UNDERGROUND** Check enquiry area, send if required	 Sent ☐ Sent ☐ Sent ☐ N/A ☐	SIGNED

INNER LONDON YES ☐ NO ☑

DOCKLANDS LIGHT RAIL Is the site close to the DLR? If yes, email enquiry to DLR	Yes ☐ Sent ☐	No ☐	SIGNED

POST OFFICE TUNNELS Is the site close to the tunnels? If yes, only piling or similar depth works will affect plant	Yes ☐	No ☐	SIGNED

Watch it!

Safety advice brought to you by
Scottish and Southern Electricity Networks

These notes are intended to help all those who have to work in the vicinity of electrical apparatus. Employers have a legal obligation to ensure that their operatives are fully instructed in the correct procedures.

The Electricity at Work Regulations 1989 impose health and safety requirements upon employers, employees and self-employed persons with respect to electricity at work. The regulations impose restrictions on persons being engaged in work activities on or near live conductors.

Regulation 14 requires that: "No person shall be engaged in any work activity on or near any live conductor (other than one suitably covered with insulating material so as to prevent danger) that danger may arise unless:

- it is **unreasonable** in all circumstances for it to be dead; and
- it is **reasonable** in all circumstances for him to be at work on or near it while it is live; and
- suitable precautions (including where necessary the provision of suitable protective equipment) are taken to prevent injury."

The purpose of the regulations is to require precautions to be taken against the risk of death or personal injury from electricity in work activities.

Publications

The Health and Safety Executive have produced a document entitled 'Avoiding Danger from Underground Services', and the Appendix 1 deals specifically with electric cables. Copies are available from the HSE's Accredited Agents and good booksellers, Ref. HS (G) 47.

Copies of Health and Safety Guidance note GS 6 relating to safe working in proximity to overhead lines, are available from the Health and Safety Executive's website - www.hse.gov.uk.

Note

In situations of emergency or danger, or where the advice contained in these notes cannot be followed, you must consult Scottish and Southern Electricity Networks immediately. Tel. 08457 708090 for southern England or 0800 300999 for Scotland.

Additional copies of these "Watch it!" leaflets can be obtained from our Asset Data Team office upon request. Tel. 01256 337294, or Fax 01256 337295.

You must read and accept the following safety notes as part of the contract to receive our network plans. You will have the option to print these and issue them to site staff.

Watch it! - Working in the vicinity of underground cables

Our plans show the positions and normal depths for the buried cables and pipes at the time when they were installed. However, alterations to road alignments surface levels and buildings may have occurred subsequently without our knowledge. If you discover plant or cables that are not marked or incorrectly marked, then you are required to contact us as soon as possible to give us the opportunity to amend our plans.

These plans show the equipment owned by Scottish and Southern Electricity Networks. There may be other privately owned plant in the area, which is outside of our control. You should always check with the Local Authority, National Grid Company, Department of the Environment, other Electricity Companies and other utilities before proceeding.

It is not intended that the issue of these plans will absolve either party from their obligation under any of the acts that control digging in the public highways.

Supplies To Properties, etc.

The location of cables supplying individual properties, street lighting, traffic signs, telephone kiosks etc. are not always shown on the plans. You should assume that each property, streetlight etc. will have its own supply cable.

Major Circuits

Where our plans indicate the presence of cables with a voltage exceeding 11,000 volts, you are advised to contact our local depot (telephone number is on the plans), before commencing any excavations within the vicinity of these cables. These major circuits form an extremely important link in Scottish and Southern Electricity Networks' networks, and damaging or modifying these circuits is a major and costly undertaking. Any development should therefore be designed to allow these circuits to remain undisturbed and accessible in their present location.

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below:

- ✓ **do** make sure you have plans of the underground cables in the area **before** any excavation work starts. Remember that some cables may not be shown on plans. If carrying out emergency work, excavate as though there are buried live cables in the vicinity.
- ✓ **do** use a cable locator to determine the position of existing cables in the work area. The positions should be marked and tests made as work proceeds. **If in doubt, get advice from your supervisor.**
- ✓ **do** ask for a cable to be made dead if it is buried in concrete.
- ✓ **do** watch for signs of cables as work progresses. Note any marker-tape or cable-cover, which may be exposed

- ✓ **do** backfill carefully, using stone-free soil around the cables, replacing marker-tapes and / or covers.
- ✓ **do** notify us immediately if you accidentally damage our cables. Arrange to keep people well clear of a cable that has been damaged until we have confirmed it has been made safe.
- ✓ **do** make sure before starting to demolish a building that all cables have been disconnected. We welcome prior notice of the intention to demolish buildings. This enables us to ensure that the site has been made safe electrically.
- ✓ **don't** operate a bulldozer, scraper, dragline or excavator; unless you are satisfied that there are no buried cables in the working area.
- ✓ **don't** use picks, pins, forks or pointed instruments in soft clay or soil when cables are present. Exercise extreme caution where such instruments are used to free lumps of stone, or break up firmly compacted ground. **Never** throw a fork or sharp instrument into the ground.
- ✓ **don't** dig trial holes over the indicated route of the cable. Excavate alongside instead.
- ✓ **don't** use exposed cables as a convenient step or handhold.
- ✓ **don't** handle or attempt to alter the position of any cable.

Remember that a damaged cable may cause extensive loss of supplies, make expensive repairs necessary and cause serious or even fatal injury.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make cables dead without interrupting supplies to our customers. But given adequate notice, we will wherever possible, give advice regarding special precautions which may be necessary on any site where particular problems are likely to be encountered. The right is reserved to make a charge for this service.

Electricity cables can exist anywhere - under paths or roads, in gardens or driveways, on new housing or industrial development sites or even farmland.

Watch it! - Working in the vicinity of overhead lines

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below

- ✓ **do** carefully note the position of all overhead lines before commencing work.
- ✓ **do** co-operate with us during planning and sitework stages.
- ✓ **do** follow the advice given in HSE Guidance Note GS 6 when siting barriers, goal posts, bunting etc.
- ✓ **do** keep overhead lines in view when moving scaffolding or machinery and take special care when felling or lopping trees.
- ✓ **do** remember that the raising or slewing of a crane or excavator jib may cause danger when operating near an overhead line.
- ✓ **do** avoid any machinery that is in contact with an overhead line until we confirm that conditions are safe.
- ✓ **do** warn others to keep well clear.
- ✓ **don't** drive a high vehicle below an overhead line when an alternative route is available.
- ✓ **don't** raise the bed of a tipper lorry beneath an overhead line or drive under the line with the body of the vehicle raised.
- ✓ **don't** steady any suspended load until you are satisfied that there is no danger from overhead lines.
- ✓ **don't** handle or use scaffold platforms, poles, pipes or ladders unless they are at a safe distance from overhead lines.
- ✓ **don't** transport long objects beneath overhead lines, unless they are carried in a horizontal position.
- ✓ **don't** approach or touch any broken or fallen overhead lines.

Always remember that:

- Electricity can jump gaps.
- Contact or near contact with a crane jib, scaffold or ladder can cause a discharge of electricity with a risk of fatal or severe shock and burns to any person in the vicinity.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make overhead lines dead without interrupting supplies to customers. However, provided adequate notice is given, then we will, whenever possible, give advice regarding special precautions which may be necessary on site where specific problems may be encountered. The right is reserved to make a charge for this service.

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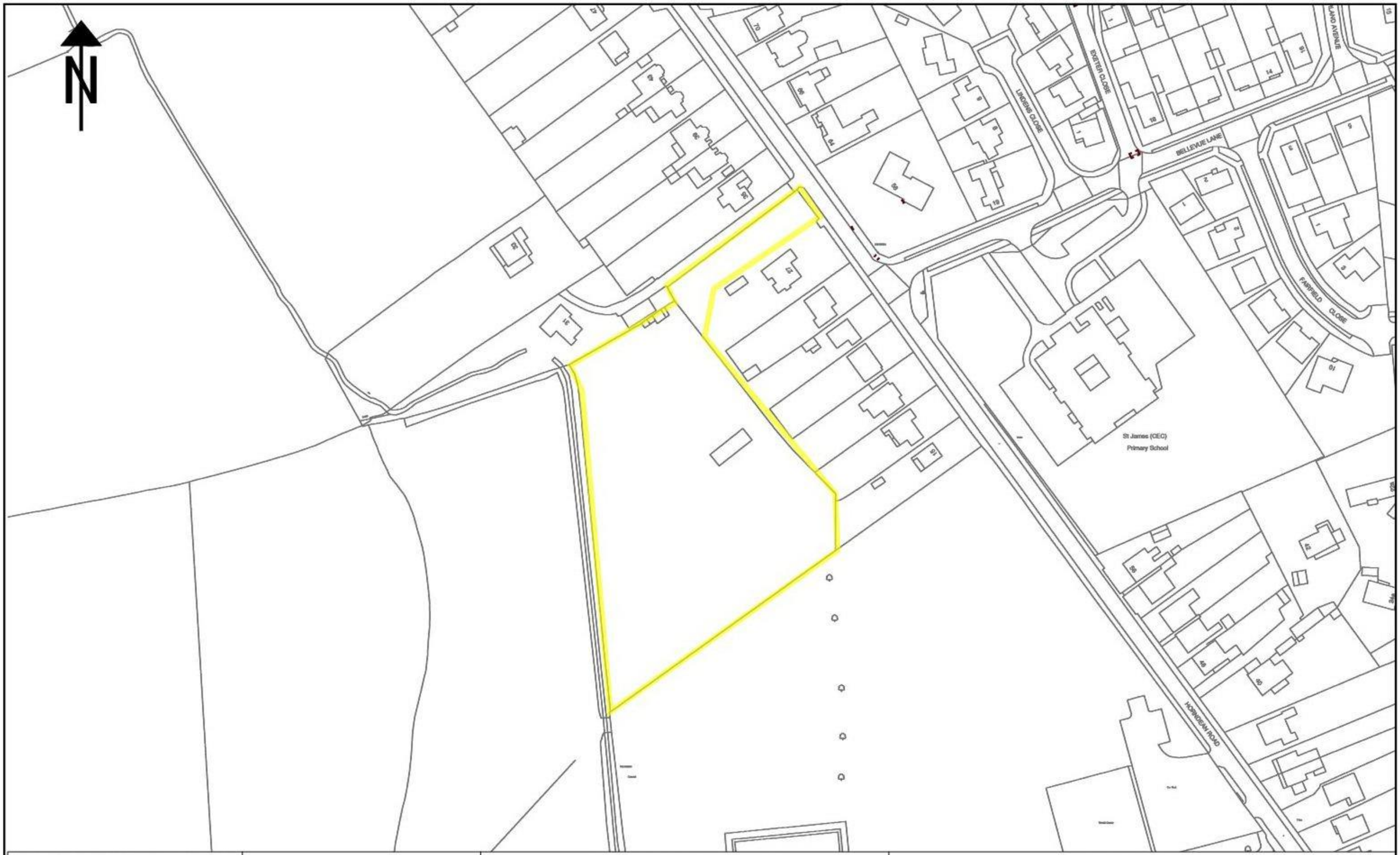

NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
	services	l.v.	h.v.	e.h.v.
FOOTPATH	0.40m	0.45m	0.60m	0.75m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m

l.v./services – up to 1000V.
h.v. – over 1000V. to 11,000V.
e.h.v. – 22,000V. to 132,000V.

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 the HSE)

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)

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Template: SSE MSWA COL A3 plot

Southern Electric Power Distribution plc.
Registered in England No. 04094290
Registered Office: No. 1 Forbury Place,
43 Forbury Road, Reading, RG1 3BH

UNCONTROLLED COPY

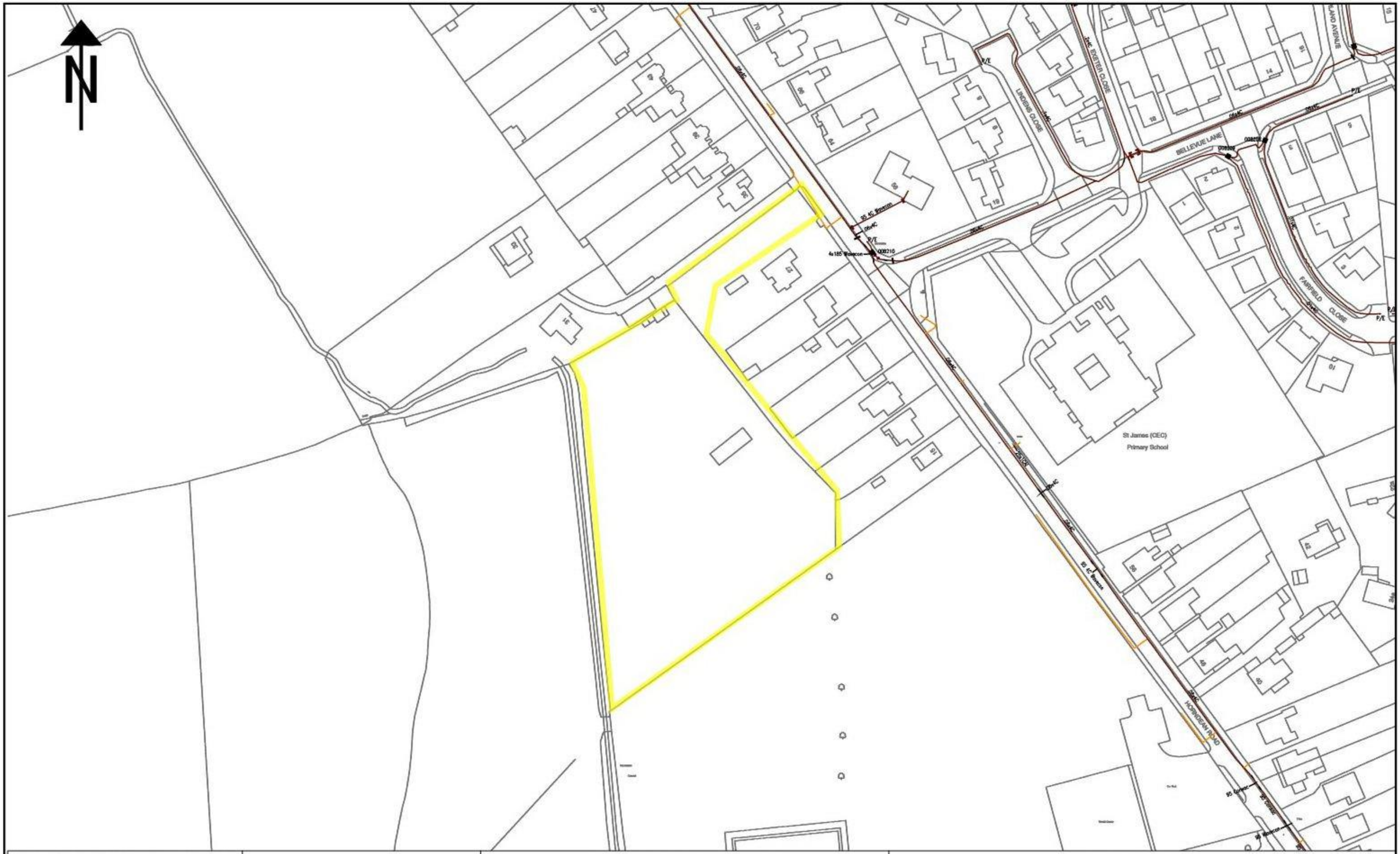
Subject to Revision Master held at

Scottish & Southern Electricity Networks

hv_1250_500

PORTSMOUTH
023-9262-4200

Grid Ref:	su74510683
Scale:	1:1250
Date:	15/03/2018
HV	



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Template: SHS MSWA COL A3 plot

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Scottish & Southern Electricity Networks

lv_1250_500

PORTSMOUTH
023-9262-4200

Grid Ref:	su74510683
Scale:	1:1250
Date:	15/03/2018
LV	

Scottish & Southern Electricity Networks

North of Scotland 0800 048 3515

Central Southern England 0800 048 3516

Our reference: ELH739
PREMIER ENERGY
MR LIAM ENGLISH
PREMIER HOUSE DAUX ROAD
BILLINGSHURST
WEST SUSSEX
RH14 9SJ

Scottish and Southern Electricity Networks
Walton Park
Walton Road
Cosham
P06 1UJ

02392 624135

Phil Fogden@sse.com

www.ssen.co.uk

Date: 21/03/2018

Dear, Sir

Proposed Diversion works at: LAND OFF HORNDEAN ROAD EMSWORTH HANTS PO10 7PU.

Thank you for your recent enquiry. I am pleased to provide you with my quotation for the electricity network diversions at the above location. 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.

£ **748.57**

This 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 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 30 days. This price will then be valid for one year from the date of acceptance. All work 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 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.ssen.co.uk.

Yours sincerely,

Phil Fogden

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What we will do: Streetlight Diversion New Bell-Mouth With New Concentric Cable. Customer To Do All Excavations Including Joint Bays.SSEN To Do Straight Joints.

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.

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

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Scottish & Southern Electricity Networks

North of Scotland 0800 048 3515

Central Southern England 0800 048 3516

Job reference: ELH739

Proposed Diversion works at. LAND OFF HORNDEAN ROAD EMSWORTH HANTS PO10 7PU.

You can pay for your quotation via cheque or bank transfer. Please complete all the boxes on this form where applicable and return it with your cheque. If paying by bank transfer payment you must instruct your bank to transfer funds before returning this form to:

Scottish and Southern Electricity Networks
Connections and Engineering
Walton Road
Portsmouth
PO6 1UJ

Please make cheques payable to Southern Electric Power Distribution plc. If paying by bank transfer, 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:	GB77 NWBK 6017 2176 793869
UTR:	64581 10616
VAT registration number:	553 7696 03

Amount enclosed: £

Choose your method of payment:

☐ Cheque ☐ Bank Transfer

PRINT payer's name and address:

The details supplied on this form will be used on any VAT receipt.

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 return any monies due minus an administration fee.

I accept your quotation and the terms and conditions enclosed.

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Scottish & Southern Electricity Networks

North of Scotland 0800 048 3515

Central Southern England 0800 048 3516

Signed: Date:

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.

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.

We ask you to take note of the following:-

In accordance with the Health & Safety 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 Electricity Networks overhead lines.

In accordance with Health & Safety Executive Guidance Note HS (G) 47 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 Electricity Networks.

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 (Scottish and Southern Electricity Networks) immediately. The cost of any repairs will be fully rechargeable.

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Scottish & Southern Electricity Networks

North of Scotland 0800 048 3515

Central Southern England 0800 048 3516

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 Electricity Networks

P O Box 6206

BASINGSTOKE

RG24 8BW

Tel: 01256 337294
Fax: 01256 337295

Requesting details of any Scottish and Southern Electricity Networks 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.

Scottish and Southern Electricity Networks is a trading name of: Scottish and Southern Energy Power Distribution Limited Registered in Scotland No. SC213459; Scottish Hydro Electric Transmission plc Registered in Scotland No. SC213461; Scottish Hydro Electric Power Distribution plc Registered in Scotland No. SC213460; (all having their Registered Offices at Inveralmond House 200 Dunkeld Road Perth PH1 3AQ); and Southern Electric Power Distribution plc Registered in England & Wales No. 04094290 having its Registered Office at 55 Vastern Road Reading Berkshire RG1 8BU which are members of the SSE Group www.ssen.co.uk

Scottish & Southern Electricity Networks

North of Scotland 0800 048 3515

Central Southern England 0800 048 3516

Your site requirements schedule

Including any detailed requirements for our on-site works, what you need to know about cable routes and trenching.

Scottish and Southern Electricity Networks Reference: ELH739

Site address: LAND OFF HORNDEAN ROAD EMSWORTH HANTS PO10 7PU.

Quotation date: 21/03/2018

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.

Cable routes and ducts on your own site

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 or, internally glazed vitreous earthenware pipes specifically intended for electricity cables as specified in the current edition of BS 65.

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.

Removal of Scottish and Southern Electricity Network equipment

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

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Scottish & Southern Electricity Networks

The Company's Standard Terms and Conditions

Version V5.1 | Date February 2017

Definitions:

The **"Company"**:	Shall mean either Scottish Hydro Electric Power Distribution plc or Southern Electric Power Distribution plc as specified in the Offer Letter;
The **"Adoption Agreement"**:	The agreement between the Customer and the Company for adoption of any Contestable Connection Works undertaken by the Customer;
The **"Agreement"**:	The agreement constituted by the Offer and the Customer's acceptance and any permitted variation from time to time;
The **"Agreement Date"**:	The date of the Customer's acceptance of the Offer;
The **"Company's Requirements"**:	The Company's technical requirements as set out on the Website and the Offer;
The **"Connection Agreement"**:	The agreement between the Company and the Customer relating to the connection of the Customer's premises;
"Consumer"	Means an individual acting for purposes which are wholly or mainly outside the individual's trade, business, craft or profession;
"Consumer Terms and Conditions"	Means the Supplementary Consumer Terms and Conditions attached to these Standard Terms and Conditions.
The **"Contestable Connection Works"**:	The part of the Works that the Customer may elect to undertake or appoint an appropriate third party to undertake;
The **"Cost Apportionment Contribution"**:	A financial contribution made with respect to the costs of connection from the Company in favour of the Customer;
The **"Customer"**:	The person, firm or company whose name and address is shown in the Offer Letter;
The **"Equipment"**:	The equipment, plant and/ or apparatus the Company will supply as detailed in the Offer Letter;
The **"Land Rights"**:	Means rights in, under or over land for the construction, installation, operation, repair, maintenance, renewal or use of the Contestable Connection Works and/or the Works;
The **"Land Rights Criteria"**:	The criteria as set out on the Website providing the Company's requirements for Land Rights;
The **"Offer"**:	These standard terms and conditions and the Offer Letter;
The **"Offer Letter"**:	The letter and attached pages sent to the Customer by the Company setting out details of the Works, the Quotation and other matters relating to the connection;
The **"Quotation"**:	The Quotation for the Works as set out in the Offer Letter;
The **"Site Information & Customer Requirements"**:	The customer requirements document supplied with the Offer;
The **"Website"**	The website at http://www.ssepd.co.uk or at such other domain name as the Company may use from time to time; and
The **"Works"**:	The works that the Company will carry out as detailed in the Offer.

1. The Offer remains open for acceptance in writing for 90 days from the date of issue, unless notified by the Company in writing to the contrary. The Company reserves the right to amend or withdraw the Offer at any time prior to the Customer accepting it.
2. If the Customer has entered into the contract as a Consumer, the Consumer Terms and Conditions shall be incorporated into these terms and conditions and to the extent of any inconsistency, the terms of the Consumer Terms and Conditions shall prevail.
3. The Customer will provide the Company with the facilities reasonably necessary to enable it to complete the Works in the most economical manner. In default the Customer shall pay the Company such reasonable additional costs that may result.
4. Where any changes to the Works are required other than as a result of the Company's negligence the Company shall submit written details of the additional cost to the Customer who shall be entitled to terminate the contract upon giving the Company written notice within 5 working days of the date of submission of such details. In the event of termination the Customer shall pay the Company's reasonable charges for the work done or committed and materials purchased prior thereto and reimburse any costs or expense incurred or committed by the Company in obtaining any wayleaves and consents.
5. In accordance with the Land Rights Criteria, the Customer will (i) grant any Land Rights for cables, overhead lines, substations and all other apparatus to be installed over or within their property, (ii) provide and install ducts for on site road crossings and for service cable entry and (iii) agree service terminations in a position acceptable to the Company and provide and install service tubes from the back of the footpath to the premises to which the connection is required terminating where possible in an external meter reading cabinet.
6. The Customer will meet (i) their own agent's legal and other fees and expenses, (ii) the legal and other fees and expenses of the Company, and (iii) the legal and other expenses of any consenter or other third party in connection with the grant of the Land Rights.
7. The Company reserves the rights not to install the Works on contaminated land. Where contamination is found by or becomes known to the Company, additional charges may be rendered to the Customer in accordance with Condition 4.
8. The Customer will, at no cost to the Company and to a satisfactory standard reasonably specified by the Company, be responsible for carrying out all on site cable trenching for services, LV and HV mains cable, other than within substation sites and for backfilling and trench reinstatement once the Company has laid and covered the aforesaid cabling.
9. The Customer will be responsible for all building costs associated with the supply intake and any meter cabinets.
10. The Customer will provide service termination facilities, in a position acceptable to the Company.
11. The Offer is subject to the Company obtaining all required Land Rights and statutory consents for carrying out the Works. Unless otherwise stated the Offer assumes that all plant and equipment will be placed in the adopted public highway or land owned or controlled by the Customer who will provide all Land Rights free of charge. The Customer will pay the full cost of obtaining any Land Rights required from third parties (including settlement of all properly reimbursed claims thereunder) in addition to the charges identified in the Quotation provided that where these have a significant impact on the overall cost the Customer shall be entitled to terminate the contract upon written notice to the Company. In the event of termination the Customer shall pay the Company's reasonable charges for the work done or committed and materials purchased prior thereto and reimburse any costs or expense incurred or committed by the Company in obtaining any Land Rights.
12. It is assumed that the Company will carry out all Works during normal working hours. There will be an additional charge for any overtime working at the Customer's request.
13. The Quotation is based on material and labour costs prevailing at the date of the Offer Letter. The Company shall have the right to vary the Quotation in accordance with any variations in the material or labour costs subsequent to the date of the Offer Letter (unless otherwise stated in the Offer Letter) upon submitting written details of the additional cost to the Customer who shall be entitled to terminate the contract upon giving the Company written notice within 5 working days of the date of submission of such details. In the event of termination the Customer shall pay the Company's reasonable charges for the work done or committed and materials purchased prior thereto and reimburse any costs or expense incurred or committed by the Company in obtaining any Land Rights.
14. Unless otherwise agreed the Company requires full payment of the amount due on acceptance 30 days prior to commencement of the Works. All other arrangements will be subject to status.
15. The Company may submit progress invoices to the Customer, in respect of the amount of labour expended and materials delivered to site and the Company's stores up to the date of the progress invoice.
16. Adjustments will be made to the rates of VAT to those applicable at the date of invoice or payment, whichever is the earlier.
17. The Company will issue a further invoice to the Customer on completion of the electrical works in respect of the Second Comer Charge.
18. The Customer must settle invoices within 30 days of the date of the invoice.
19. If any amount remains unpaid after the due date, the Company shall (in addition to any other remedies) be entitled to charge interest on the amount unpaid at the annual rate of 3% over the base rate of the Bank of England from the due date to the date of payment in full.
20. The Company reserves the right to require that the Customer provides security for any payment which may become due pursuant to this Offer and/or section 19 of the Electricity Act 1989. The Company may automatically apply any such security in cash against any such sums as they become due.
21. Unless otherwise agreed in writing by the Company time is not of the essence in relation to the Company's Works.
22. The Company shall have no liability to the Customer whether in contract, tort or delict (including negligence), for breach of statutory duty, or otherwise arising under or in connection with this Agreement for any indirect or consequential loss, any loss of profit, revenue, generation, business, savings, (anticipated or otherwise) or any other form of economic loss (whether or not occurring in connection with physical damage) provided that this Condition 20 shall not exclude or restrict the liability of the Company for death or personal injury or any other liability which cannot be limited or excluded by applicable law.
23. The Company's liability under or in connection with this Agreement shall be limited to £1 million in the aggregate. This limit shall apply however that liability arises, including, without limitation, a liability arising by breach of contract, arising by tort or delict (including negligence) or arising by breach of statutory duty provided that this Condition 21 shall not exclude or restrict the liability of the Company for death or personal injury or any other liability which cannot be limited or excluded by applicable law.
24. The Customer acknowledges and confirms that it does not enter into the Agreement in reliance on any oral representation, warranty or undertaking not fully reflected in the terms of the Agreement and that no amendment, modification or substitution to the Agreement shall be effective unless executed in writing by both parties.
25. The Equipment shall at all times remain the property of the Company. On completion of the Works and, with respect to any Contestable Connection Works undertaken by the Customer, the Customer both satisfactorily completing any Contestable Connection Works and an Adoption Agreement with the Company covering the Contestable Connection Works, the whole of the Works, Equipment and the aforesaid Contestable Connection Works shall become the property of the Company. The Customer shall protect the Equipment from any damage or interference between delivery to the site and completion of the Works and shall indemnify the Company for any loss or damage to the Equipment during such period. The Company shall be responsible for the final connection of the Works to its distribution system.
26. The Quotation is net of any Cost Apportionment Contribution due to the Customer and no further contributions or allowances are applicable. The value of the Cost Apportionment Contribution has been calculated on the basis of, inter alia, the Equipment specified in the Offer Letter, the available capacity agreed for the development, the build rate and the electrical heating the Customer has declared will be installed. The value of Cost Apportionment Contribution made in favour of the Customer by the Company will be indicated in the attached Quotation and its value may be recalculated by the Company to reflect any alteration to the basis of the calculation and the Customer will refund any excess Cost Apportionment Contribution made by the Company upon demand. The Customer shall be liable to pay to the Company the full value of the Cost Apportionment Contribution received from the Company in the event this Agreement is terminated prior to the completion of the Connection. In such event, the Customer shall be liable to pay to the Company a proportion (to be determined by the Company) of the Cost Apportionment Contribution.
27. It is a condition of the Offer that the Customer **or the end customer who will be responsible for the associated charges** shall (where applicable) enter into a Connection Agreement with the Company prior to energisation of the Connection.
28. The Customer will carry out the site work specified in the Site Information & Customer Requirements document.

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1. Application of these Terms and Conditions

These Supplementary Consumer Terms and Conditions apply to an Offer issued by [* Scottish Hydro Electric Power Distribution plc (the **Company**)] [* Southern Electric Power Distribution plc (the **Company**)] to a consumer. Where applicable these Supplementary Consumer Terms and Conditions shall be incorporated into the terms of the Offer and where inconsistent with any term of the Offer, these Supplementary Consumer Terms and Conditions shall prevail.

[*] Delete as required

2. Right to Cancel

You have the right to cancel your contract with us within 14 days of us receiving your acceptance without giving any reason. The cancellation period will expire after 14 days from the day we receive your acceptance. This right is in addition to any other right to cancel that you have under our standard terms and conditions.

To exercise the right to cancel, you must inform us of your decision to cancel this contract by a clear statement (e.g. a letter sent by post or e-mail). You may use the attached model cancellation form, but it is not obligatory.

To meet the cancellation deadline, it is sufficient for you to send your communication concerning your exercise of the right to cancel before the cancellation period has expired.

3. Effect of Cancellation

If you cancel the contract in accordance with paragraph 2 above, we will reimburse to you all payments received from you.

We will make the reimbursement without undue delay, and not later than 14 days after the day on which we are informed about your decision to cancel the contract.

We will make the reimbursement using the same means of payment as you used for payment, unless you have expressly agreed otherwise; in any event, you will not incur any fees as a result of the reimbursement.

If you requested that we begin the performance of works during the cancellation period, you shall pay us an amount which is in proportion to what has been performed prior to your cancellation of the contract, in comparison with the full works provided for in the contract.

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MODEL CANCELLATION FORM

(Complete and return this form only if you wish to withdraw from the contract)

To: Connections And Engineering

Walton Park

Walton Road

Cosham

PO6 1UJ

connections@sse.com

I/We [*] hereby give notice that I/We [*] cancel my/our [*] contract for the supply of the following service [*],

Offer accepted on [*],

Name of customer(s),

Address of customer(s),

Signature of customer(s) (only if this form is notified on paper),

Date

[*] Delete as appropriate

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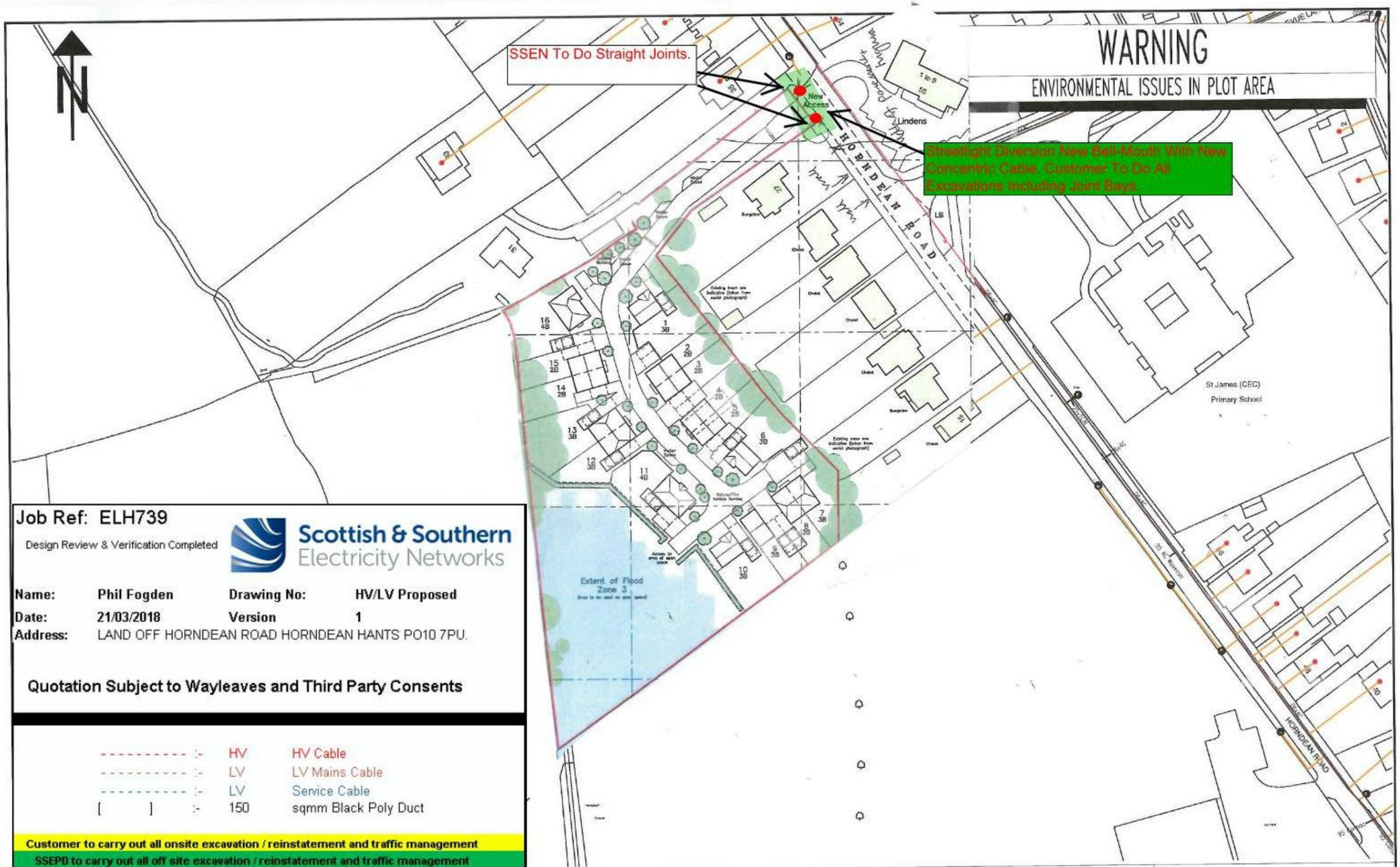

WARNING

ENVIRONMENTAL ISSUES IN PLOT AREA

Job Ref: ELH739

Design Review & Verification Completed

Scottish & Southern Electricity Networks

Name:	**Phil Fogden**	**Drawing No:**	**HV/LV Proposed**
Date:	**21/03/2018**	**Version**	**1**
Address:	LAND OFF HORNDEAN ROAD HORNDEAN HANTS PO10 7PU.		

Quotation Subject to Wayleaves and Third Party Consents

---------- :-	HV	HV Cable
---------- :-	LV	LV Mains Cable
---------- :-	LV	Service Cable
[ ] :-	150	sqmm Black Poly Duct

Customer to carry out all onsite excavation / reinstatement and traffic management

SSEPD to carry out all off site excavation / reinstatement and traffic management

NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID

	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.

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 the HSE)

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)

BASED UPON THE ORDNANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. CROWN COPYRIGHT RESERVED.

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Southern Electric Power Distribution plc.
Registered in England No. 04094290
Registered Office: No. 1 Forbury Place,
43 Forbury Road, Reading, RG1 3JH

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Subject to Revision Master held at

Scottish & Southern Electricity Networks

PORTSMOUTH
023-9262-4200

L.V. MAINS AND SERVICES RECORD

Grid Ref:	SU74510681
Scale:	1:1000
Date:	19/03/2018

Scottish and Southern Energy
Power Distribution

Our reference: ELH679

PREMIER ENERGY
MR LIAM ENGLISH
PREMIER HOUSE DAUX ROAD
BILLINGSHURST
WEST SUSSEX
RH14 9SJ

SSEPD
Walton Park
Walton Road
Portsmouth
PO6 1UJ

02392 624135

Phil.fogden@sse.com
www.ssepd.co.uk
B
20th March 2018

Budget Estimate: ELH679 LAND OFF HORNDEAN ROAD HORNDEAN ROAD HAMPSHIRE PO10 7PU

Dear Sir,

Thank you for your recent enquiry. I am pleased to provide you with my budget estimate for the new electricity connections at the above development. I have enclosed some initial designs for your information. My initial proposals will be subject to our obtaining all necessary legal consents to carry out the work as indicated, including any consent required from third parties.

£ 15,379.24

This budget estimate has been calculated Inclusive of vat. and does not constitute an offer of terms

The budget estimate has been calculated based on a high level assessment, my local knowledge and experience, the information you have provided and the assumptions listed overleaf. It is my best estimate of the costs you would incur for this proposal and is intended for budgetary proposes only.

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,

Phil Fogden
Network Connections Designer

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www.ssepd.co.uk

Scottish and Southern Energy
Power Distribution

You should be aware that this estimate reflects the current situation and cannot be guaranteed into the future. Before making any financial commitments based on the indicative price above, please contact me to request a firm quotation.

This Quote is based on the developer to do all on site excavation and reinstatement

Additional assumptions and charges

- **Full Network Study from System Planning for possible upstream reinforcments.**
- **Possible Switch Room Extension required at Both Primary's.**
- **Recommended Route Proving Study for Excavation Costs.**
- **Diversion work on existing overhead or underground networks.**
- **Traffic Management Required.**
- **Contaminated Ground.**
- **Legal Easements/Wayleaves etc.**

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.

Scottish and Southern Energy
Power Distribution

Safety

We ask you to take note of the following:-

In accordance with the Health & Safety 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 & Safety Executive Guidance Note HS (G) 47 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.

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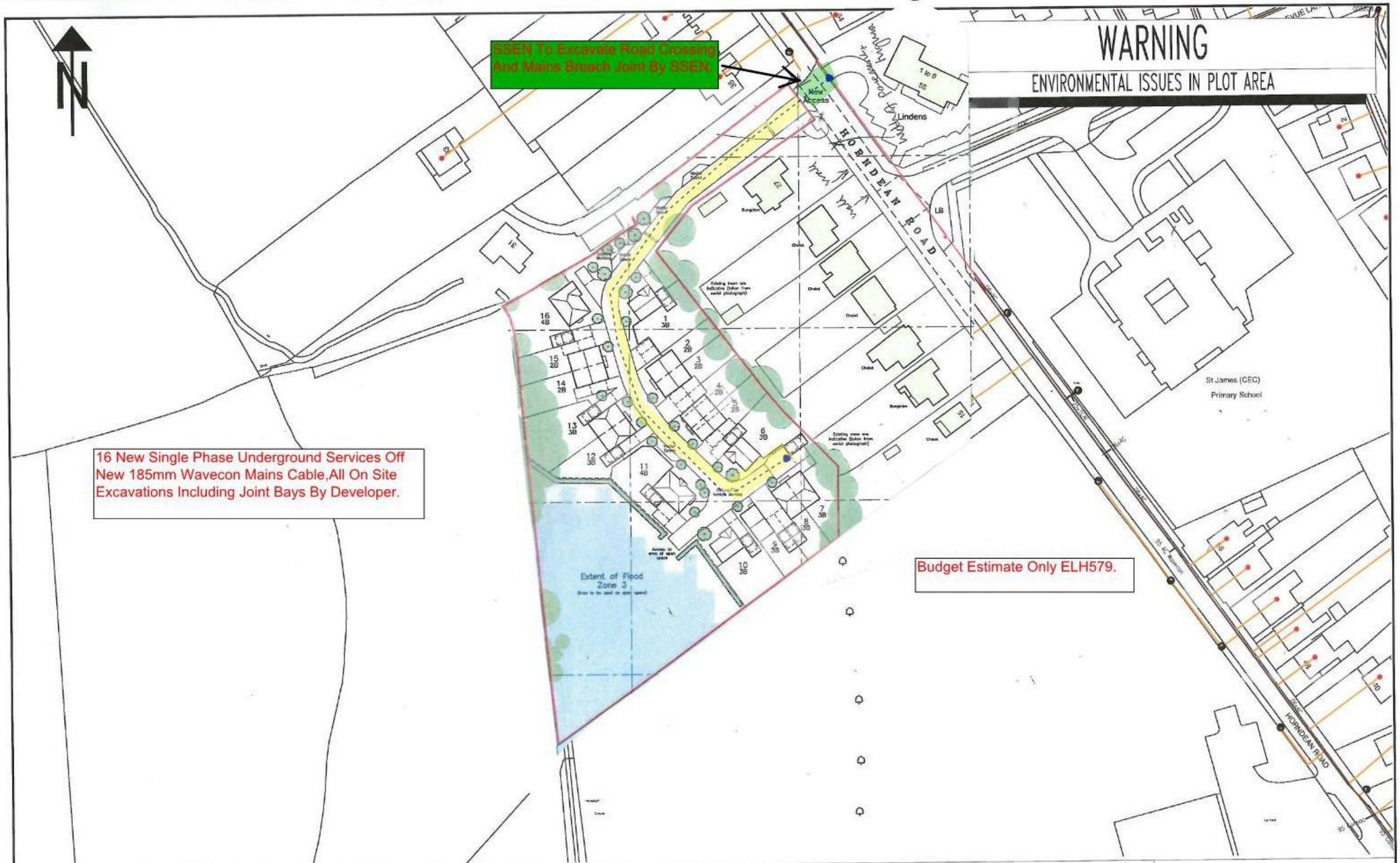
www.ssepd.co.uk



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
	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.

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 the HSE)

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)

BASED UPON THE ORDNANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. CROWN COPYRIGHT RESERVED.

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Southern Electric Power Distribution plc.
Registered in England No. 04094290
Registered Office: No. 1 Forbury Place,
43 Forbury Road, Reading, RG1 3JH

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Subject to Revision Master held at

Scottish & Southern Electricity Networks

PORTSMOUTH
023-9262-4200

L.V. MAINS AND SERVICES RECORD

Grid Ref:	SU74510681
Scale:	1:1000
Date:	19/03/2018

Scottish & Southern Electricity Networks

North of Scotland 0800 048 3515

Central Southern England 0800 048 3516

Our reference: ELJ084/1
Your reference:

Mr Liam English
Premier Energy
Premier House Daux Road
Billingshurst
West Sussex
RH14 9SJ

Josh McAvoy
Southern Electric Power Distribution plc
Connections And Engineering
Walton Park
Walton Road
Cosham
PO6 1UJ

07557 667118

josh.mcavoy@sse.com

www.ssen.co.uk

9 April 2018

Dear Sirs

Land off Horndean Road, Emsworth, Hampshire, PO10 7PU.

Thank you for your recent enquiry. We are pleased to provide you with an Offer on behalf of Southern Electric Power Distribution plc, for the Non-Contestable Works associated with providing a Point of Connection at the above development. This letter (including the pages attached to it which contain the Breakdown of Charges and Additional charges and assumptions, the Acceptance, and the Information Pack), together with the enclosed Standard Terms and Conditions constitutes our Offer.

Our Offer is 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 at www.ssen.co.uk/LandRights.

£ 545.66

This Offer for Non-Contestable Works has been quoted including VAT (as applicable). Our Offer remains open for acceptance for the period stated in the enclosed Standard Terms and Conditions.

You can see a Breakdown of Charges included in our Offer on the next page. Please note that we will not be able to schedule works until you have accepted this Offer and we have received all sums due and payable on acceptance for the works detailed in this Offer. Where your Offer includes reinforcement or you are a Second Comer and the initial connector has not yet been energised, then your connection cannot be energised until these works are complete. Upon completion of the electrical works you are also required to pay any applicable 'Second Comer' charge as set out in this Offer, in accordance with the Electricity (Connection Charges) Regulations (ECCR).

There may be other parties competing to deliver the connections for this development, who have or will receive a competing Point of Connection (POC) offer from .The acceptance of this Offer is conditional upon any other such offers not having been accepted. Upon acceptance of any other such offer, the facility to accept this Offer will no longer be available and the Offer will be withdrawn.

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 Offer. It is

important that you check the Offer thoroughly to avoid incurring any further charges.

We reserve the right to terminate our contract with you in certain circumstances where the works have not commenced or did commence but were then delayed. Our right to terminate is set out in clause 11 of the Standard Terms and Conditions enclosed with this Offer Letter. For the purposes of clause 11 the period specified is 12 months from the date of your acceptance of this Offer.

We have enclosed with this Offer an Information Pack, which contains information relevant to the work for which you have been quoted. Our **Statement of Methodology and Charges for Connection** provides detailed information regarding our charges. You can download our **Statement of Methodology and Charges for Connection** from our website at www.ssen.co.uk/Library/ChargingStatements. We trust the information we have provided is of assistance and if we can help further please do not hesitate to contact us. Alternatively, you may wish to visit our website at www.ssen.co.uk for further information.

Yours sincerely,

Josh McAvoy
Network Connections Designer

Glossary of Defined Terms

"Adoption Agreement"	An agreement for us to adopt the Contestable Work, subject to the satisfaction of certain conditions.
"Connections Regulations"	Means regulations made in relation to connections standards of performance under section 29A of the Electricity Act 1989.
"Contestable Works"	Also known as Contestable Connection Activities, are works necessary for the provision of the Connection which can also be undertaken by an ICP or an IDNO.
"Distribution Code"	Means the Distribution Code that Scottish Hydro Electric Power Distribution plc and Southern Electric Power Distribution plc is required to maintain in force.
"DNO"	Means Distribution Network Operator. Electricity distribution networks carry electricity from the high voltage transmission grid to industrial, commercial and domestic users. Scottish Hydro Electric Power Distribution plc and Southern Electric Power Distribution plc are licensed distribution network operators (DNOs).
"Licence"	Also known as Electricity Distribution Licence means an electricity distribution licence granted or treated as granted under section 6 (1) (c) of the Electricity Act 1989 that authorises a electricity distributor to distribute electricity.
"Non-Contestable Works"	Also known as Non-Contestable Connections Services, are those services which are necessary for the provision of a connection and in accordance with our Connection Charging Statement, cannot be provided by a person other than Scottish Hydro Electric Power Distribution plc or Southern Electric Power Distribution plc.
"Point of Connection"	The point (or points) of physical connection to our existing Distribution System.
"Second Comer"	Any connectee who subsequently connects to and benefits from infrastructure paid for by an earlier connectee and is therefore liable to pay for their share of incurred costs under the Electricity (Connection Charges) Regulations.
"Statement of Methodology and Charges for Connection"	The Connection Charging Methodology is a complete and documented explanation of the methods, principles and assumptions for our connection charges. The Connection Charging Statement sets out the basis of charges for the provision of a connection.
"The Electricity (Connection Charges) Regulations or (ECCR)"	Means The Electricity (Connection Charges) Regulations 2002 or Electricity (Connection Charges) Regulations 2017 as applicable. These regulations provide that where a person connects to and benefits from electricity infrastructure that was paid for by an initial connectee, the earlier connectee can be reimbursed for a share of the costs by subsequent connecting customers.

Offer to provide Non-Contestable Works Only

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. Alternatively, you may call to pay by credit/debit card or use our online services.

Please note

Southern Electric Power Distribution plc is the Distribution Network Operator (DNO) for the area in which your project is located.

This Offer serves as a notice under Section 16A (5) of the Electricity Act 1989. Should you have any concerns relating to this Offer 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, Section 23 of the Act allows for any unresolved disputes relating to the provision of this Offer to be determined by the Gas and Electricity Markets Authority (the "Authority"). The dispute must be referred to the Authority within 12 months following the date of connection. The dispute may be determined either by an Order of the Authority, or referred by the Authority for arbitration. An order made in relation to the dispute shall be final and binding on the parties and may include a direction to pay costs and expenses.

Breakdown of Charges

Description of non-contestable charges	
Final connection on to SSEN's electrical distribution network	
POC and Network Assessment, Design Approval (where relevant)	£263.00
Final connection	£280.66
Inspection & Monitoring	£2.00
Total non-contestable charges	**£545.66**

TOTALS	
Net total at standard rate VAT	£0.00
Net total at low rate VAT	£0.00
Net total at zero rate VAT	£545.66
VAT at standard rate (20%)	£0.00
VAT at low rate (5%)	£0.00
Total charge to applicant	**£545.66**

Please refer to our enclosed Detailed Cost Breakdown for further information.

Please note, you are required to submit a design to us (for our approval or for our review if self-design approval) and to enter into an Adoption Agreement with us, for the Contestable Works to be adopted by us, prior to final connection. More details on what is required for design approval can be found on our website at www.ssen.co.uk/CompetitionInConnections/.

Scottish and Southern Electricity Networks is a trading name of: Scottish and Southern Energy Power Distribution Limited Registered in Scotland No. SC213459; Scottish Hydro Electric Transmission plc Registered in Scotland No. SC213461; Scottish Hydro Electric Power Distribution plc Registered in Scotland No. SC213460; (all having their Registered Offices at Inveralmond House 200 Dunkeld Road Perth PH1 3AQ); and Southern Electric Power Distribution plc Registered in England & Wales No. 04094290 having its Registered Office at No 1 Forbury Place, 43 Forbury Road, Reading, RG1 3JH which are members of the SSE Group www.ssen.co.uk

Additional charges and assumptions

We reserve the right to amend the charges at any time after the date of this Offer as a result of variations to material or labour costs which will impact upon the costs incurred by us in providing the Connection. Please note that whilst such changes in costs may occur at any time due to contractual variations and/or our rights and/or obligations to recover costs incurred pursuant to legislation or our licence, such a change is very likely to be relevant where the estimated date of completion of the Distribution Works is in excess of 12 months from the date of this Offer.

Land Rights (including wayleaves), Planning and Other Consents

We have identified that third party consents are likely to be required for the Non-Contestable Works and have assumed that they will be granted without dispute and in accordance with Southern Electric Power Distribution plc's standard land rights' style agreements.

Where we are unable to obtain third party consents, the design and terms of our contract with you may need to be revised and you will need to meet any associated additional costs that may be incurred by us or such third party, arising from but not limited to:

Land rights

- Legal and other professional fees and expenses incurred by us and any third party in connection with securing the required land rights;
- Wayleave fees levied by third parties to process wayleave agreements; and
- Costs associated with any compulsory purchase or necessary wayleave applications, which may have to be submitted under the Electricity Act 1989. Timescales and costs for determination of a compulsory purchase or wayleave consent will depend on the specific circumstances of the application. An application for a compulsory purchase or necessary wayleave does not guarantee a positive determination. The decision to pursue a compulsory purchase or necessary wayleave remains at the sole discretion of Southern Electric Power Distribution plc.

Other consents

- Specialist ecology surveys;
- Tree cutting compensation and sterilisation;
- Archaeology investigations including watching briefs; and
- Damage claims and any associated surveyor's fees where the damage is over and above what is reasonably necessary to undertake the works.

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.

This Offer excludes any charges that may be levied by the Local Authority in respect of these costs. 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 Offer 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.

Scottish & Southern Electricity Networks

North of Scotland 0800 048 3515

Central Southern England 0800 048 3516

Job reference: ELJ084/1

Offer for the final connection on to SSEN's electrical distribution network at land off Horndean Road

Please indicate your acceptance of this:

☐ Non-Contestable Works only

You can pay the charges set out in this Offer by credit or debit card, cheque or bank transfer, either by post, by phone 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 by credit or debit card, please call our payment line on 0800 197 5527 and complete this form and return it to us by post or email:

Attn. Quote Acceptance, Connections and Engineering
Scottish and Southern Electricity Networks
Walton Road
Cosham
PO6 1UJ

E-mail: quote.acceptance@sse.com

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 above.

If paying by bank transfer, you must instruct your bank to transfer funds **before** returning this form to the above address. 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
Swift No (BIC):	NWBK GB 2L
UTR:	64581 10616
VAT registration number:	553 7696 03

Amount Paid: £

Choose your method of payment:

☐ Cheque ☐ Bank Transfer ☐ Credit/Debit Card

If you wish to accept this Offer please provide the payer's name and address.

PRINT payer's name and address:

Scottish & Southern Electricity Networks

North of Scotland 0800 048 3515

Central Southern England 0800 048 3516

If you wish to accept this Offer please date and sign the acceptance at the end of this acceptance form.

- Once we have received your payment in cleared funds we will issue a receipt to you at the address you have notified to us, or to such alternative address as you advise us prior to issue of the receipt.
- If we receive your payment without this completed acceptance form, we shall be entitled but not obliged to treat your payment as acceptance of our Offer.
- If you cancel the works referred to in this Offer before commitment or commencement of any associated tasks, we will return any sums paid to us minus administration costs. If you entered into a contract with us as a consumer the terms of our Supplementary Consumer Terms and Conditions will apply in respect of your cancellation and refund rights.
- If you cancel the works 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 entered into a contract with us as a consumer the terms of our Supplementary Consumer Terms and Conditions will apply in respect of your cancellation and refund rights.

If you are accepting this Offer as a consumer our Standard Terms and Conditions are varied by the enclosed Supplementary Consumer Terms and Conditions. Please note that your rights as a consumer mean that you are entitled to cancel the contract within 14 days following your acceptance of our Offer and we must refund any payment you have made to us in respect of the works. We are not allowed to commence the works during this 14 day period, unless you consent to this. If you want us to undertake the works at the earliest possible date and where possible to start during the 14 day cancellation period please confirm by marking an "X" in the box below.

☐..... I confirm that I consent to the provision of the works during the 14 day cancellation period and that I have read the enclosed Supplementary Consumer Terms and Conditions.

Please note that it may not be possible for us to commence the works during the 14 day cancellation period and your consent does not mean that we are under any obligation to do so.

I confirm that I have read, understood and accept the terms and conditions set out in and accompanying this Offer.

Signed: _____ **Date:** _____

Name (PRINT) _____

Position (PRINT) _____

Scottish & Southern Electricity Networks

North of Scotland
0800 048 3515

Central Southern England
0800 048 3516

Please use this sheet as a return address.

Quote Acceptance Team
Connections and Engineering
Scottish and Southern Electricity Networks
Walton Road
Cosham
PO6 1UJ

Information pack

We have enclosed this Information Pack which we trust you will find useful. This pack contains information relevant to the Offer made. However, if you have any further questions, please don't hesitate to contact us.

Contents

Safety

When we carry out any job, Safety is our first priority. Your safety is important to us. 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 Performance

The Connections Guaranteed Standards of Performance are guaranteed standards of service levels set out under the Connections Regulations and 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.

If the distribution company fails to meet the level of service required, it may be obliged to make a payment to the customer. To find out what these guaranteed standards of performance cover please visit our website at www.ssen.co.uk/CustomerService/PerformanceStandards.

Please visit the Gov.uk website at www.legislation.gov.uk/uksi/2015/698/made if you require more information in relation to guaranteed standards in respect of demand connections. For generation connections Ofgem's Distributed Generation Standards Direction Guidance Document can be located at www.ofgem.gov.uk/publications-and-updates/distributed-generation-standards-direction-guidance-document.

Your Point of Connection details

This details what size (capacity) and voltage your connection(s) will be.

This also gives your Point of Connection and details of any special or unusual load you may 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 Southern Electric Power Distribution plc'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, particularly 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 Southern Electric Power Distribution plc.

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 immediately. You will be liable to us for the full cost of any repairs.

Locating cables on site

Any drawings that we have enclosed with this Offer may not be suitable for locating cables on site due to scaling issues. If you wish 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 Electricity Networks
P O Box 6206
BASINGSTOKE
RG24 8BW

Tel: 01256 337294
Fax: 01256 337295

E-mail: mapping.services@sse.com

Please contact our Mapping Services requesting details of any Southern Electric Power Distribution plc's 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.

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Your Point of Connection details

LV Point(s) of Connection

We have calculated the voltage drop at the Point of Connection as 4.16% and an earth loop impedance of 0.167 ohms using a modelling tool (WinDebut) – this figure assumes that the general load is split equally over the three phases, and that no motors are starting. The fault level at the Point of Connection is 0.798MVA but could rise to 17.30MVA and you are advised to design your network accordingly.

The connection will be 3-phase, 230 - 400 Volts, and alternating current at 50 Hz, with a maximum capacity of 36kVA. Where your connection involves multiple phases you will need to balance the electrical load evenly across the phases to avoid overloading.

A Network to be adopted by Southern Electric Power Distribution plc

For any network subsequently to be adopted by Southern Electric Power Distribution plc, your design of any Contestable Works, including substation buildings and plinths must comply with our Standards and Specifications and the process for adoption of these assets will be as laid out in documents on our website. Access to our Standards and Specifications, network information and GIS is via a secure login applied for and accessed at: www.ssen.co.uk/CompetitionInConnections.

Please be advised that it is vital that the Adoption Agreement is properly entered into by BOTH parties BEFORE any works commence on site. Any plant or cable installed before the Adoption Agreement is entered into is at your own risk and any costs incurred in carrying out inspections and making these assets subsequently fit for adoption will be borne by you. Southern Electric Power Distribution plc will not be responsible for any delays to the programme which may result.

The current model of Adoption Agreement can be viewed on our website.

You will require to carry out the contestable works to be adopted subject to the necessary safety precautions, consents and wayleaves and other appropriate conditions, agreements and standards and specifications being satisfied including:

- Design for the connection downstream from the Point of Connection to the existing assets.
- Procurement and provision of the required materials.
- All excavation, trenching and reinstatement (whether temporary or permanent) including excavations for the non-contestable final connection joint.
- Provision and installation of all mains and service ducting.
- Recording of work, location of cable routes and equipment and the provision of this information to us.
- Making provision for the installation of metering equipment by an approved Meter Operator.

All jointing will be in accordance with our approved design within the scope and authorisation level of our current Safety Management Procedures.

The contestable works and your installation must be designed and installed in accordance with the technical engineering requirements of the Distribution Code and the following Engineering Recommendations:

(i) 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")
(ii) Engineering Recommendation P28 ("Planning Limits for Voltage Fluctuations caused by Industrial, Commercial and Domestic Equipment in the UK")

The Company's Standard Terms and Conditions

Definitions:

The **"Company"**:	Shall mean either Scottish Hydro Electric Power Distribution plc or Southern Electric Power Distribution plc as specified in the Offer Letter;
The **"Adoption Agreement"**:	The agreement between the Customer and the Company for adoption of any Contestable Connection Works undertaken by the Customer;
The **"Agreement"**:	The agreement constituted by the Offer and the Customer's acceptance and any permitted variation from time to time;
The **"Agreement Date"**:	The date of the Customer's acceptance of the Offer;
The **"Company's Requirements"**:	The Company's technical requirements as set out on the Website and the Offer;
The **"Connection Agreement"**:	The agreement between the Company and the Customer relating to the connection of the Customer's premises;
"Consumer":	Means an individual acting for purposes which are wholly or mainly outside the individual's trade, business, craft or profession;
"Consumer Terms and Conditions":	Means the Supplementary Consumer Terms and Conditions attached to these Standard Terms and Conditions;
The **"Contestable Connection Works"**:	The part of the Works that the Customer may elect to undertake or appoint an appropriate third party to undertake;
The **"Cost Apportionment Contribution"**:	A financial contribution made with respect to the costs of connection from the Company in favour of the Customer;
The **"Customer"**:	The person, firm or company whose name and address is shown in the Offer Letter;
The **"Equipment"**:	The equipment, plant and/ or apparatus the Company will supply as detailed in the Offer Letter;
The **"Land Rights"**:	Means rights in, under or over land for the construction, installation, operation, repair, maintenance, renewal or use of the Contestable Connection Works and/or the Works;
The **"Land Rights Criteria"**:	The criteria as set out on the Website providing the Company's requirements for Land Rights;
The **"Offer"**:	These standard terms and conditions and the Offer Letter;
The **"Offer Letter"**:	The letter and attached pages sent to the Customer by the Company setting out details of the Works, the Quotation and other matters relating to the connection;
The **"Quotation"**:	The Quotation for the Works as set out in the Offer Letter;
The **"Information Pack"**:	The customer site requirements document supplied with the Offer;
The **"Website"**:	The website at www.ssen.co.uk or at such other domain name as the Company may use from time to time;
The **"Works"**:	The works that the Company will carry out as detailed in the Offer; and
"Second Comer Charge":	Means any amounts payable by the Customer pursuant to The Electricity (Connection Charges) Regulations 2002 or Electricity (Connection Charges) Regulations 2017 as applicable.

1. The Offer remains open for acceptance in writing for 90 days from the date of issue, unless notified by the Company in writing to the contrary. The Company reserves the right to amend or withdraw the Offer at any time prior to the Customer accepting it.
2. If the Customer has entered into the contract as a Consumer, the Consumer Terms and Conditions shall be incorporated into these terms and conditions and to the extent of any inconsistency, the terms of the Consumer Terms and Conditions shall prevail.
3. The Customer will provide the Company with the facilities reasonably necessary to enable it to complete the Works in the most economical manner. In default the Customer shall pay the Company such reasonable additional costs that may result.
4. Where any changes to the Works are required other than as a result of the Company's negligence the Company shall submit written details of the additional cost to the Customer who shall be entitled to terminate the contract upon giving the Company written notice within 5 working days of the date of submission of such details. In the event of termination the Customer shall pay the Company's reasonable charges for the work done or committed and materials purchased prior thereto and reimburse any costs or expense incurred or committed by the Company in obtaining any wayleaves and consents.
5. In accordance with the Land Rights Criteria, the Customer will (i) grant (at no cost to the Company, or for a nominal sum of £1) any Land Rights for cables, overhead lines, substations and all other apparatus to be installed over or within their property, (ii) provide and install ducts for on site road crossings and for service cable entry and (iii) agree service terminations in a position acceptable to the Company and provide and install service tubes from the back of the footpath to the premises to which the connection is required terminating where possible in an external meter reading cabinet.
6. The Customer will meet (i) their own agent's legal and other fees and expenses, (ii) the legal and other fees and expenses of the Company, and (iii) the legal and other expenses of any consenter or other third party in connection with the grant of the Land Rights.
7. The Company reserves the rights not to install the Works on contaminated land. Where contamination is found by or becomes known to the Company, additional charges may be rendered to the Customer in accordance with Condition 4.
8. The Customer will, at no cost to the Company and to a satisfactory standard reasonably specified by the Company, be responsible for carrying out all on site cable trenching for services, LV and HV mains cable, other than within substation sites and for backfilling and trench reinstatement once the Company has laid and covered the aforesaid cabling.
9. The Customer will be responsible for all building costs associated with the supply intake and any meter cabinets.
10. The Customer will provide service termination facilities, in a position acceptable to the Company.
11. The Company shall be entitled to terminate the contract constituted by your acceptance of the Agreement by written notice to you, at any time following the expiry of the period specified in the Quotation, if the works referred to in the Quotation have not commenced or did commence but subsequently ceased and such delay in commencing or completing the works is not attributable to the act or omission of the Company. If the Company terminates before commitment or commencement of the works referred to in the Quotation and/or any associated tasks, the Company will return any sums paid to us minus administration costs. If the Company terminates before completion of the works referred to in the Quotation but after commitment or commencement of any associated tasks, the Customer will be liable for any reasonable charges for the work done or committed and materials purchased prior to termination and any costs or expense incurred in relation to obtaining any wayleaves or consents or other such land rights. The Company will be entitled to deduct such amounts, together with administration costs from any sums paid to us.
12. The Offer is subject to the Company obtaining all required Land Rights and statutory consents for carrying out the Works. Unless otherwise stated the Offer assumes that all plant and equipment will be placed in the adopted public highway or land owned or controlled by the Customer who will provide all Land Rights in accordance with Condition 5. The Customer will pay the full cost of obtaining any Land Rights required from third parties (including settlement of all properly reimbursed claims thereunder) in addition to the charges identified in the Quotation provided that where these have a significant impact on the overall cost the Customer shall be entitled to terminate the contract upon written notice to the Company. In the event of termination the Customer shall pay the Company's reasonable charges for the work done or committed and materials purchased prior thereto and reimburse any costs or expense incurred or committed by the Company in obtaining any Land Rights.
13. It is assumed that the Company will carry out all Works during normal working hours. There will be an additional charge for any overtime working at the Customer's request.
14. The Quotation is based on material and labour costs prevailing at the date of the Offer Letter. The Company shall have the right to vary the Quotation in accordance with any variations in the material or labour costs subsequent to the date of the Offer Letter (unless otherwise stated in the Offer Letter) upon submitting written details of the additional cost to the Customer who shall be entitled to terminate the contract upon giving the Company written notice within 5 working days of the date of submission of such details. In the event of termination the Customer shall pay the Company's reasonable charges for the work done or committed and materials purchased prior thereto and reimburse any costs or expense incurred or committed by the Company in obtaining any Land Rights.
15. Unless otherwise agreed the Company requires full payment of the amount due on acceptance 30 days prior to commencement of the Works. All other arrangements will be subject to status.
16. The Company may submit progress invoices to the Customer, in respect of the amount of labour expended and materials delivered to site and the Company's stores up to the date of the progress invoice.

The Company's Standard Terms and Conditions

Definitions:

The **"Company"**:	Shall mean either Scottish Hydro Electric Power Distribution plc or Southern Electric Power Distribution plc as specified in the Offer Letter;
The **"Adoption Agreement"**:	The agreement between the Customer and the Company for adoption of any Contestable Connection Works undertaken by the Customer;
The **"Agreement"**:	The agreement constituted by the Offer and the Customer's acceptance and any permitted variation from time to time;
The **"Agreement Date"**:	The date of the Customer's acceptance of the Offer;
The **"Company's Requirements"**:	The Company's technical requirements as set out on the Website and the Offer;
The **"Connection Agreement"**:	The agreement between the Company and the Customer relating to the connection of the Customer's premises;
"Consumer":	Means an individual acting for purposes which are wholly or mainly outside the individual's trade, business, craft or profession;
"Consumer Terms and Conditions":	Means the Supplementary Consumer Terms and Conditions attached to these Standard Terms and Conditions;
The **"Contestable Connection Works"**:	The part of the Works that the Customer may elect to undertake or appoint an appropriate third party to undertake;
The **"Cost Apportionment Contribution"**:	A financial contribution made with respect to the costs of connection from the Company in favour of the Customer;
The **"Customer"**:	The person, firm or company whose name and address is shown in the Offer Letter;
The **"Equipment"**:	The equipment, plant and/ or apparatus the Company will supply as detailed in the Offer Letter;
The **"Land Rights"**:	Means rights in, under or over land for the construction, installation, operation, repair, maintenance, renewal or use of the Contestable Connection Works and/or the Works;
The **"Land Rights Criteria"**:	The criteria as set out on the Website providing the Company's requirements for Land Rights;
The **"Offer"**:	These standard terms and conditions and the Offer Letter;
The **"Offer Letter"**:	The letter and attached pages sent to the Customer by the Company setting out details of the Works, the Quotation and other matters relating to the connection;
The **"Quotation"**:	The Quotation for the Works as set out in the Offer Letter;
The **"Information Pack"**:	The customer site requirements document supplied with the Offer;
The **"Website"**:	The website at www.ssen.co.uk or at such other domain name as the Company may use from time to time;
The **"Works"**:	The works that the Company will carry out as detailed in the Offer; and
"Second Comer Charge":	Means any amounts payable by the Customer pursuant to The Electricity (Connection Charges) Regulations 2002 or Electricity (Connection Charges) Regulations 2017 as applicable.

17. Adjustments will be made to the rates of VAT to those applicable at the date of invoice or payment, whichever is the earlier.
18. The Company will issue a further invoice to the Customer on completion of the electrical works in respect of the Second Comer Charge.
19. The Customer must settle invoices within 30 days of the date of the invoice.
20. If any amount remains unpaid after the due date, the Company shall (in addition to any other remedies) be entitled to charge interest on the amount unpaid at the annual rate of 3% over the base rate of the Bank of England from the due date to the date of payment in full.
21. The Company reserves the right to require that the Customer provides security for any payment which may become due pursuant to this Offer and/or section 19 of the Electricity Act 1989. The Company may automatically apply any such security in cash against any such sums as they become due.
22. Unless otherwise agreed in writing by the Company time is not of the essence in relation to the Company's Works.
23. The Company shall have no liability to the Customer whether in contract, tort or delict (including negligence), for breach of statutory duty, or otherwise arising under or in connection with this Agreement for any indirect or consequential loss, any loss of profit, revenue, generation, business, savings, (anticipated or otherwise) or any other form of economic loss (whether or not occurring in connection with physical damage) provided that this Condition 20 shall not exclude or restrict the liability of the Company for death or personal injury or any other liability which cannot be limited or excluded by applicable law.
24. The Company's liability under or in connection with this Agreement shall be limited to £1 million in the aggregate. This limit shall apply however that liability arises, including, without limitation, a liability arising by breach of contract, arising by tort or delict (including negligence) or arising by breach of statutory duty provided that this Condition 21 shall not exclude or restrict the liability of the Company for death or personal injury or any other liability which cannot be limited or excluded by applicable law.
25. The Customer acknowledges and confirms that it does not enter into the Agreement in reliance on any oral representation, warranty or undertaking not fully reflected in the terms of the Agreement and that no amendment, modification or substitution to the Agreement shall be effective unless executed in writing by both parties.
26. The Equipment shall at all times remain the property of the Company. On completion of the Works and, with respect to any Contestable Connection Works undertaken by the Customer, the Customer both satisfactorily completing any Contestable Connection Works and an Adoption Agreement with the Company covering the Contestable Connection Works, the whole of the Works, Equipment and the aforesaid Contestable Connection Works shall become the property of the Company. The Customer shall protect the Equipment from any damage or interference between delivery to the site and completion of the Works and shall indemnify the Company for any loss or damage to the Equipment during such period. The Company shall be responsible for the final connection of the Works to its distribution system.
27. The Quotation is net of any Cost Apportionment Contribution due to the Customer and no further contributions or allowances are applicable. The value of the Cost Apportionment Contribution has been calculated on the basis of, inter alia, the Equipment specified in the Offer Letter, the available capacity agreed for the development, the build rate and the electrical heating the Customer has declared will be installed. The value of Cost Apportionment Contribution made in favour of the Customer by the Company will be indicated in the attached Quotation and its value may be recalculated by the Company to reflect any alteration to the basis of the calculation and the Customer will refund any excess Cost Apportionment Contribution made by the Company upon demand. The Customer shall be liable to pay to the Company the full value of the Cost Apportionment Contribution received from the Company in the event this Agreement is terminated prior to the completion of the Connection. In such event, the Customer shall be liable to pay to the Company a proportion (to be determined by the Company) of the Cost Apportionment Contribution.
28. It is a condition of the Offer that the Customer **or the end customer who will be responsible for the associated charges** shall (where applicable) enter into a Connection Agreement with the Company prior to energisation of the Connection.
29. The Customer will carry out the site work specified in the Information Pack (Site Requirements Schedule document).

Supplementary Consumer Terms and Conditions

1. Application of these Terms and Conditions

These Supplementary Consumer Terms and Conditions apply to an Offer issued by Southern Electric Power Distribution plc to a consumer. Where applicable these Supplementary Consumer Terms and Conditions shall be incorporated into the terms of the Offer and where inconsistent with any term of the Offer, these Supplementary Consumer Terms and Conditions shall prevail.

2. Right to Cancel

You have the right to cancel your contract with us within 14 days of us receiving your acceptance without giving any reason. The cancellation period will expire after 14 days from the day we receive your acceptance. This right is in addition to any other right to cancel that you have under our standard terms and conditions.

To exercise the right to cancel, you must inform us of your decision to cancel this contract by a clear statement (e.g. a letter sent by post or e-mail). You may use the attached model cancellation form, but it is not obligatory.

To meet the cancellation deadline, it is sufficient for you to send your communication concerning your exercise of the right to cancel before the cancellation period has expired.

3. Effect of Cancellation

If you cancel the contract in accordance with paragraph 2 above, we will reimburse to you all payments received from you.

We will make the reimbursement without undue delay, and not later than 14 days after the day on which we are informed about your decision to cancel the contract.

We will make the reimbursement using the same means of payment as you used for payment, unless you have expressly agreed otherwise; in any event, you will not incur any fees as a result of the reimbursement.

If you requested that we begin the performance of works during the cancellation period, you shall pay us an amount which is in proportion to what has been performed prior to your cancellation of the contract, in comparison with the full works provided for in the contract.

Scottish & Southern Electricity Networks

North of Scotland 0800 048 3515

Central Southern England 0800 048 3516

MODEL CANCELLATION FORM

(Complete and return this form only if you wish to withdraw from the contract)

To: Connections And Engineering
Walton Park
Walton Road
Cosham
PO6 1UJ
connections@sse.com

I/We [*] hereby give notice that I/We [*] cancel my/our [*] contract for the supply of the following service [**],

Offer accepted on [**],

Name of customer(s),

Address of customer(s),

Signature of customer(s) (only if this form is notified on paper),

Date

[*] Delete as appropriate
[**] Populate as appropriate

Scottish & Southern Electricity Networks

North of Scotland 0800 048 3515

Central Southern England 0800 048 3516

Detailed Cost Breakdown

Please note that due to rounding within the calculation of the Breakdown of Charges which forms part of this Offer, the total shown below may differ slightly from the "Total charge to applicant" amount in the Offer Letter. For the avoidance of doubt the "Total charge to applicant" figure in the Offer Letter reflects our detailed forecast and calculations and is the accurate figure. It is the amount we need to receive before we can schedule works.

This does not form part of our Offer and is not legally binding.

Job Details

Job Reference	ELJ084
Version	1

Estimate Summary List

Section Qty.	Non-Contestable Works: Final Connection Description	Voltage	Cost(£)
1	Design approval - other LV up to 100kVA	LV	£263.00
1	Straight Joint	LV	£280.66
1	LV network @ level 3	LV	£2.00
		Total (£)	£545.66

Section Description	Non-Contestable Works: Other		Cost (£)
Other Cost - Rebate			£0.00
Other Cost - 2nd Comer			£0.00
Other Cost - O & M			£0.00
Other Cost - High Cost O & M			£0.00
		Total (£)	£0.00
		DNO Costs (£)	£0.00
		Customer Costs (£)	£545.66

Totals	**Cost(£)**
Contestable Total	£0.00
Non-Contestable Total	£545.66

For an explanation of the technical terms or abbreviations used in the above cost breakdown please visit our website www.ssen.co.uk/connections/abbreviations

WARNING

ENVIRONMENTAL ISSUES IN PLOT AREA

SSEN network reconfig;
SSEN to install and close LV links at L/B 008210 from Bell Vue Lane.

SSEN network reconfig;
SSEN to pull and open LV links at L/B 008209 from Exeter Close but suspect GIS is incorrect and these are already open.

LV POC;
1 x LV straight joint on to the existing pot ended 185 x 3c Al Wavecon tail fed from L/B 008210 highlighted in yellow.

SSEN network reconfig;
SSEN to pull and open LV links at L/B 008210 from B2148 towards Coldhabour Farm Road.

SITE

Job Ref: ELJ084/1
Design Review & Verification Completed
Name: Josh McAvoy

Scottish & Southern Electricity Networks

Job Title: **Land off Horndean Road, Emsworth.**

Drawing No: LV POC Plan
Date: 09/04/2018
Version: 1

Quotation Subject to Wayleaves and Third Party Consents

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Template: SSE MEDIA CDL A3 plot

Southern Electric Power Distribution plc.
Registered in England No. 04094290
Registered Office: No. 1 Forbury Place,
43 Forbury Road, Reading, RG1 3JH

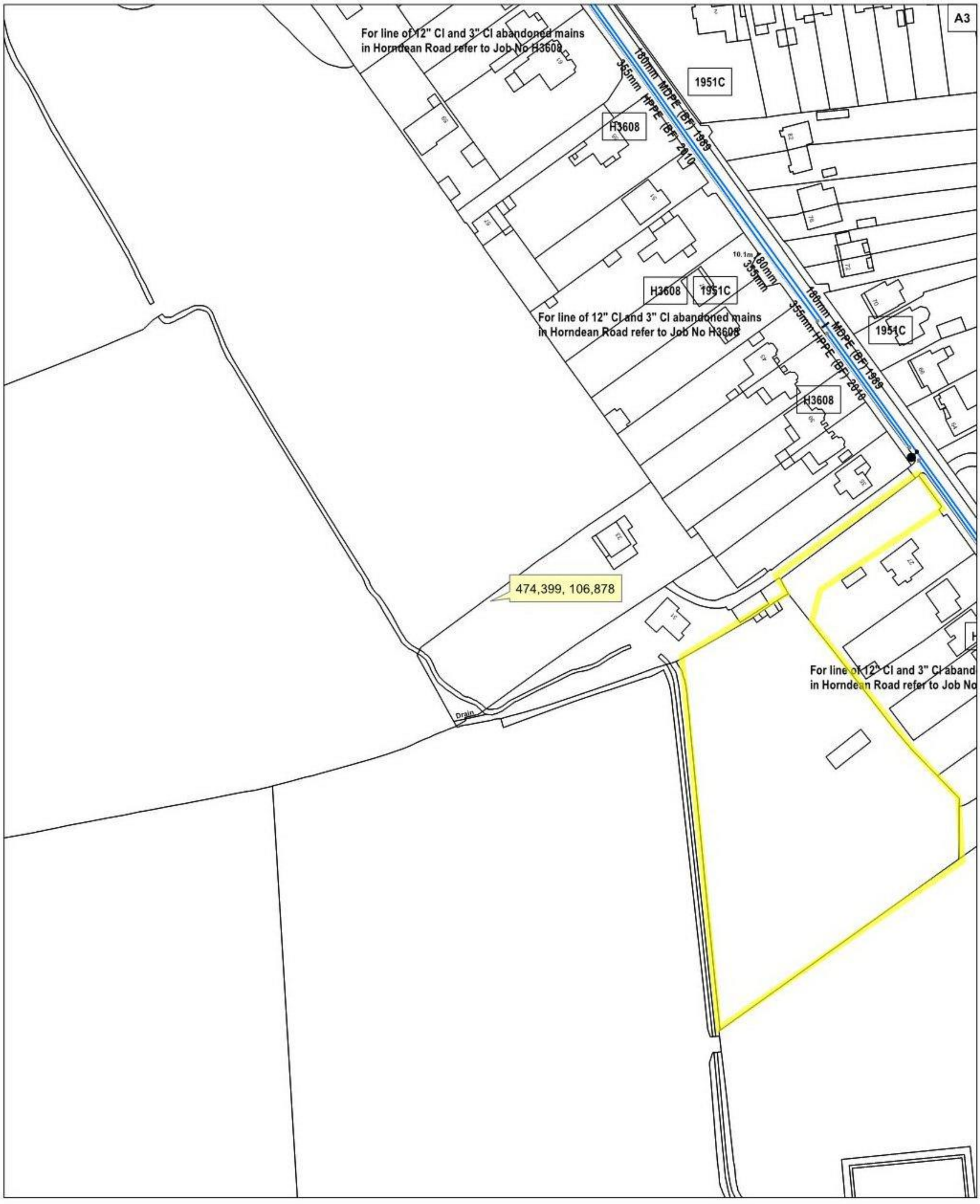
UNCONTROLLED COPY
Subject to Revision Master held at

Scottish & Southern Electricity Networks

L.V. MAINS & Services

PORTSMOUTH
023-9262-4200

Grid Ref:	SU74540686
Scale:	1:1250
Date:	03/04/2018



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

HORNDEAN ROAD

Portsmouth Water

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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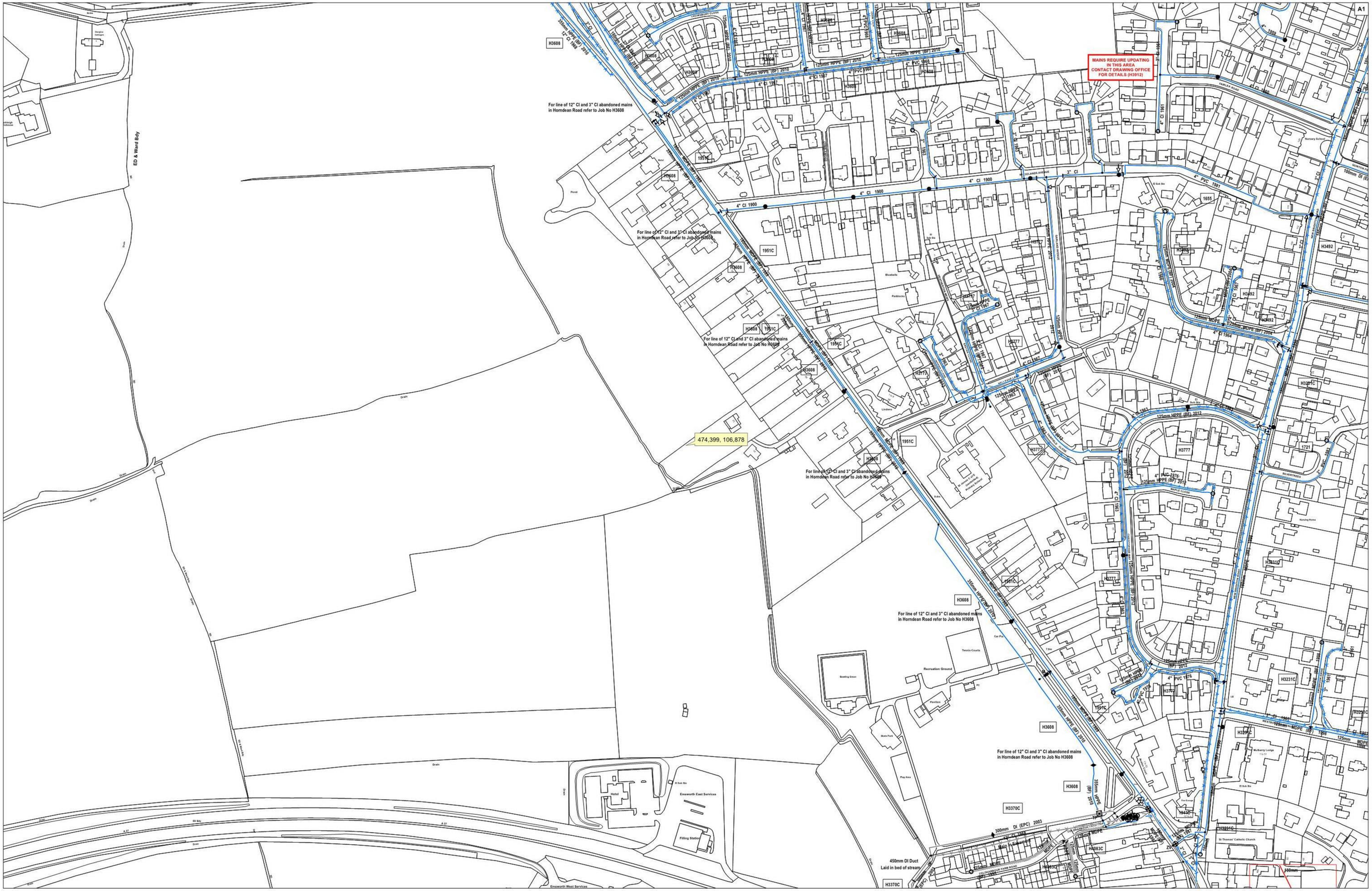
The information supplied is given in good faith as a guide to locating underground apparatus. Its accuracy cannot be guaranteed, nor does it include comprehensive information about the existence or location of service pipes or cables to individual premises.The responsibility for locating and avoiding 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: SU7406NW
Scale: 1:1,250
Date: 20/03/2018



HORNDEAN ROAD

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

Portsmouth Water
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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Drg No:	
Job No:	
OS Ref:	SU7406NW
Scale:	1:1,568
Date:	20/03/2018

18th April 2018

For the Attention of Mr L. English
Premier Energy
Premier House
Daux Road
Billingshurst
West Sussex. RH14 9SJ

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

Tel: 023 9249 9888
Fax: 023 9245 3632
Web:www.portsmouthwater.co.uk/developers
Please ask for: Mr Hayler
Our reference : JAH/H4867
Your reference:

Dear Mr English

H4867 – LAND OFF HORNDEAN ROAD, EMSWORTH PO10 7PU - BUDGET ESTIMATE

Thank you for your payment of £385.20 (Inc VAT) paid as a standard charge for a Budget Estimate in respect of water mains at the above location. Our official invoice has been forwarded under separate cover.

In response to your enquiry I would comment as follows:-

1. On-Site Mains

We have estimated the cost of mainlaying to the 120 domestic units based on the drawing you recently provided, drawing Design Proposal 01. These costs could be in the order of **£12,000 - £17,500**. Depending on our terms offer this may be reduced to around **£3,000 – £5,000.**

2. Future Potential Development

The above proposal will provide sufficient flow and pressure to your initial development of 16 domestic units. It should be noted however that this situation may change. There are several developable areas near your site that may also require additional water mains. A result is that we would need to review the available capacity when the mains are requisitioned to confirm if any future off-site reinforcement works are required.

3. Diversionary Work & Existing Capacity

I do not anticipate that any diversionary work to our existing mains will be required as a result of this development. In addition there appears to be sufficient capacity in our existing infrastructure to supply the proposed 16 domestic units.

4. Service Connections:

You are advised to budget for **£1,200** per plot.

5. Pressure

We advise that units constructed higher than 2 storeys should consider a storage and booster arrangement to maintain constant water supplies.

Cont:

6. Terms and Conditions

Once I have sufficient information to determine the total cost of the on-site mains extension, I will then be able to offer you terms and conditions for the provision of mains.

You will be offered two options:

(a) To enter into an agreement, in accordance with section 42 of the Water Industry Act, 1991, to guarantee for twelve years, a fixed return of our total estimated mainlaying costs and depositing this sum with us for a period of twelve years, or

(b) Making a once and for all contribution towards the cost of the mains, in accordance with section 91 of the Water Industry Act 2003.

When we calculate the amount to be paid under each option, we take account of our income (in the form of water charges) from the new properties concerned.

Please note that the terms and conditions would exclude individual service connections and building water. Statements of Cost for these would only be prepared, on application from yourselves, once the new mains were commissioned. A Scheme of Charges is available on our website https://www.portsmouthwater.co.uk/developers/new-services/

VAT is charged according to the type of development concerned.

(c) We are also able to offer developers a 'self lay' option. Please see our website https://www.portsmouthwater.co.uk/developers/new-developments/ for details.

This **budget** estimate is only valid for **3 months** from the date shown at the top of the letter.

7. Existing Mains and Services

The enclosed extract of Ordnance Survey sheet shows our existing water mains in a black line. I regret that I am unable to indicate any other water services that have been taken from these mains but wherever there are surface stopcock or meter boxes, it should be assumed that a service has been connected to the main. Should accurate information regarding the Company's installation be required, then trial holes should be taken by hand digging and no mechanical plant should be used within two metres of the Company's mains.

Please note that all enquiries regarding drainage should be directed to Southern Water, who is the responsible undertaker in this area.

8. Contaminated Land

I have assumed for the purposes of this budget estimate that the site and surrounding area is contaminated. Certain contaminants can permeate polyethylene water pipes. The mains and services are proposed to be laid in barrier pipe or some other impermeable material. We would also require that your underground service pipes be laid in an impermeable material. I would request a copy of the soil report when it becomes available.

When you are in a position to provide the information requested above, I will be pleased to offer you a firm quotation of terms and conditions for the development.

Yours sincerely,

[redacted]

James Hutchison
Developer Services Engineer
Tel. 02392 249304
j.hutchison@portsmouthwater.co.uk

Southern Water

Premier Energy
Premier House
Daux Road
Billingshurst
West Sussex
RH14 9SJ

Your ref	603669 - Land off Horndean Road
Our ref	285735
Date	20 March 2018
Contact	searches@southernwater.co.uk Tel 0845 272 0845 0330 303 0276 Fax 01634 844514

Attention: Liam English

Dear Customer

Re: Provision of public sewer record extract

Location: Land off Horndean Road, Emsworth, West Sussex, PO10 7PU

Thank you for your order regarding the provision of extracts of our sewer and/or water main records. Please find enclosed the extracts from Southern Water's records for the above location.

We confirm payment of your fee in the sum of £49.92 and enclose a VAT receipt for your records.

Customers should be aware that there are areas within our region in which there are neither sewers nor water mains. Similarly, whilst the enclosed extract may indicate the approximate location of our apparatus in the area of interest, it should not be relied upon as showing that further infrastructure does not exist and may subsequently be found following site investigation. Actual positions of the disclosed (and any undisclosed) infrastructure should therefore be determined on site, because Southern Water does not accept any responsibility for inaccuracy or omission regarding the enclosed plan. Accordingly it should not be considered to be a definitive document.

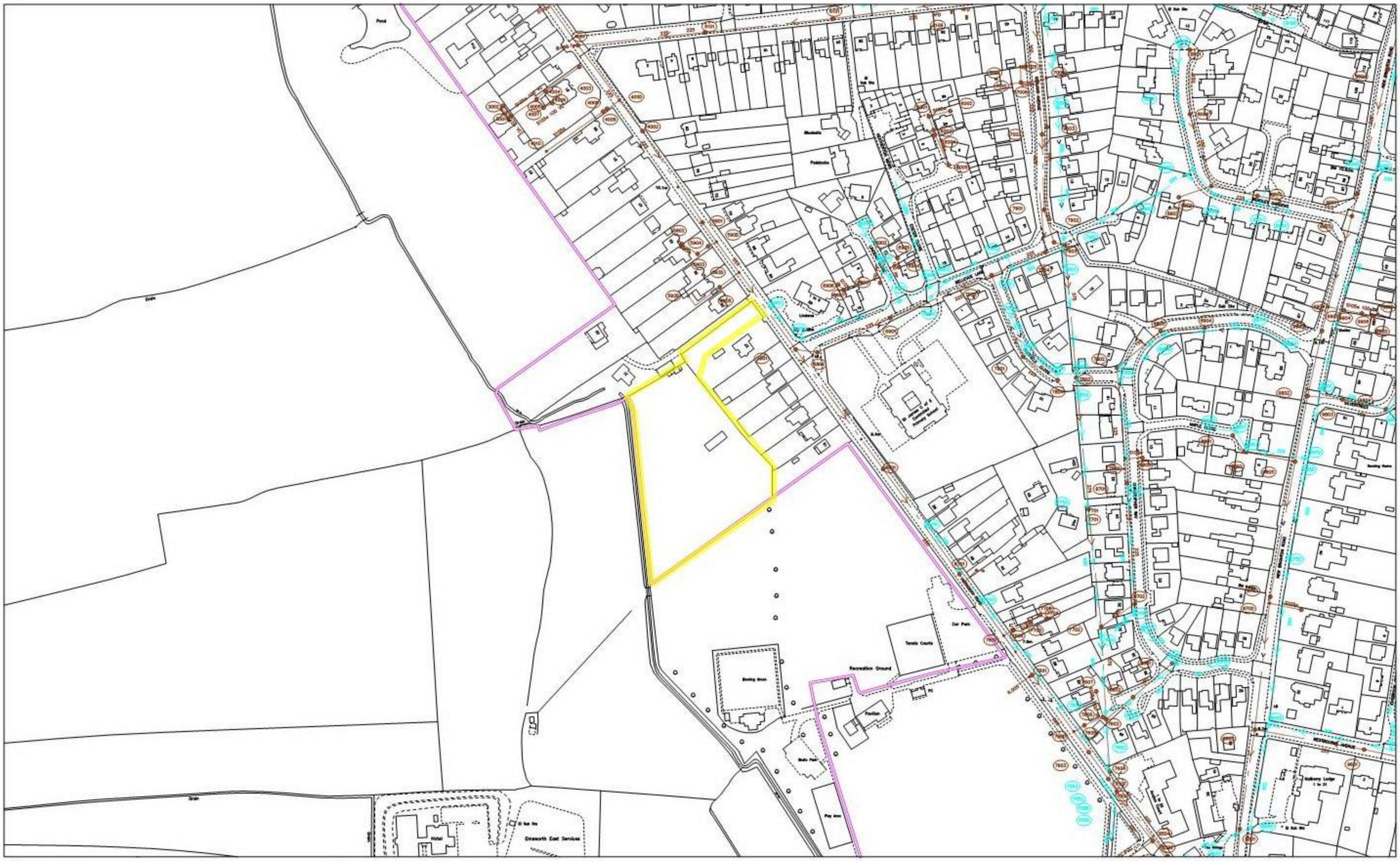
Should you require any further assistance regarding this matter, please contact the LandSearch team.

Yours faithfully

LandSearch

SEWER RECORDS PAGE 1 OF 2

107123



106545

474041

474983

O.S. REF. SU7406NE	Drawn by: kumaria	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 determnined on site. WARNING: BAC pipes are constructed of Bonded Asbestos Cement WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement
	Scale: 1:2500	
Title: 285735_Land off Horndean Road,	Date: 20/03/2018	Based upon Ordnance Survey Digital Data with the permission of the controller of H.M.S.O. Crown Copyright Reserved Licence No. WU 298530.

N

Southern Water

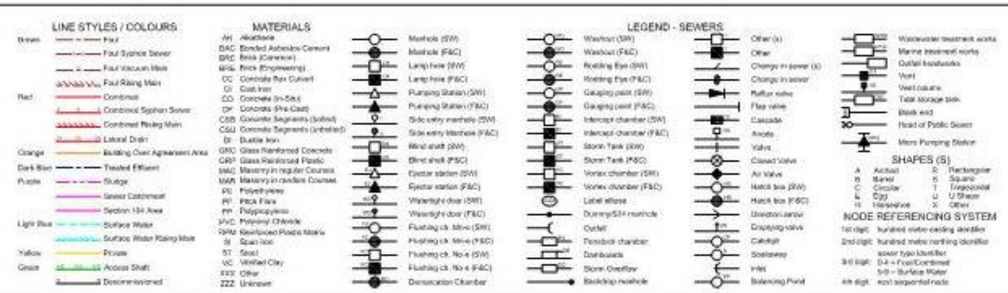
SEWER RECORDS PAGE 2 OF 2

Node	Cover	Invert	Size	Material	Shape	
3001X			100	VC	CIRC	
3002X			100	VC	CIRC	
4001X	10.365		225	UNK	CIRC	
4002X	10.234	6.634	225	UNK	CIRC	
4004X			UNK	UNK	CIRC	
4005X			100	VC	CIRC	
4006X			100	VC	CIRC	
4007X			100	VC	CIRC	
4008X			UNK	UNK	CIRC	
4009X			UNK	UNK	CIRC	
400DX			225	UNK	CIRC	
401DX			UNK	UNK	CIRC	
5101X			225	UNK	CIRC	
5801X	9.707		225	UNK	CIRC	
5802X	9.684	6.164	UNK	UNK	CIRC	
5850X	9.77	8.72	300	UNK	CIRC	
5901X	10.053	6.393	225	UNK	CIRC	
5903X			UNK	UNK	CIRC	
5904X			UNK	UNK	CIRC	
5905X			UNK	UNK	CIRC	
590DX			225	UNK	CIRC	
592DX			UNK	UNK	CIRC	
593DX			225	UNK	CIRC	
5951X	10.022	9.002	UNK	UNK	CIRC	
6001X			UNK	UNK	CIRC	
6002X			UNK	UNK	CIRC	
6003X			UNK	UNK	CIRC	
6004X			UNK	UNK	CIRC	
6101X	9.825	7.475	225	UNK	CIRC	
6701X	8.832	5.322	UNK	UNK	CIRC	
670DX			UNK	UNK	CIRC	
671DX			UNK	UNK	CIRC	
6751X	9.465	8.685	225	UNK	CIRC	
6801X	9.246	5.626	225	UNK	CIRC	
6901X	9.254	6.434	225	UNK	CIRC	
6902X			100	PF	CIRC	
6904X			100	PF	CIRC	
6905X			100	PF	CIRC	
6907X			UNK	UNK	CIRC	
6950X	9.231	8.371	150	UNK	CIRC	
6951X	9.174		300	UNK	CIRC	
6952X	9.052		300	UNK	CIRC	
6953X	8.868		300	UNK	CIRC	
6954X	9.016	8.016	UNK	UNK	CIRC	
6955X			150	UNK	CIRC	
7001X	8.528	7.728	225	UNK	CIRC	
7002X	8.368	7.508	225	UNK	CIRC	
7003X	8.452	6.752	300	UNK	CIRC	
7005X			UNK	UNK	CIRC	
7006X			UNK	UNK	CIRC	
700DX			UNK	UNK	CIRC	
701DX			UNK	UNK	CIRC	
7050X	8.58	6.65	900	UNK	CIRC	
7152X	8.963	7.433	900	UNK	CIRC	*
7152Y	8.963	6.903	900	UNK	CIRC	*
7501X	6.314	4.654	UNK	UNK	CIRC	
7502X	6.305		225	UNK	CIRC	
7550X	5.745	4.245	900	UNK	CIRC	
7552X	6.375	5.125	UNK	UNK	CIRC	
7553X	6.341	5.371	UNK	UNK	CIRC	
755DX			900	UNK	CIRC	
7601X	7.505	4.905	225	UNK	CIRC	
7602X	6.675		375	UNK	CIRC	
7603X	6.421	4.691	UNK	UNK	CIRC	
7604X	6.313	4.73	UNK	UNK	CIRC	

Node	Cover	Invert	Size	Material	Shape	
7605X			100	VC	CIRC	
7606X			100	VC	CIRC	
7607X			100	VC	CIRC	
7608X			UNK	UNK	CIRC	
760DX			225	UNK	CIRC	
761DX			UNK	UNK	CIRC	
7650X	6.837		900	UNK	CIRC	
7651X	6.655	4.865	900	UNK	CIRC	
7652Y	6.311		UNK	UNK	CIRC	*
7652X	6.311		UNK	UNK	CIRC	*
7701X			UNK	UNK	CIRC	
7702X	6.631		375	UNK	CIRC	
7703X			UNK	UNK	CIRC	
7704X			UNK	UNK	CIRC	
7705X			UNK	UNK	CIRC	
770DX			UNK	UNK	CIRC	
7750X	7.142	5.462	900	UNK	CIRC	
7752X	8.646	8.066	225	UNK	CIRC	
7801X	7.937	7.017	UNK	UNK	CIRC	
7802X	8.475	6.415	225	UNK	CIRC	
7803X	7.807	6.037	375	UNK	CIRC	
7804X	7.778	7.178	225	UNK	CIRC	
780DX			225	UNK	CIRC	
7850X	7.943	7.283	225	UNK	CIRC	
7851X	7.789	6.989	UNK	UNK	CIRC	
7852X	8.45	6.99	225	UNK	CIRC	
7854X	7.803	5.943	UNK	UNK	CIRC	
785DX			UNK	UNK	CIRC	
7901X	8.147	6.597	300	UNK	CIRC	
7902X	8.137	6.577	UNK	UNK	CIRC	
7903X	8.23	5.47	375	UNK	CIRC	
7904X	8.283	7.003	225	UNK	CIRC	
7905X	8.472		225	UNK	CIRC	
7950X	8.491	7.341	UNK	UNK	CIRC	
7951X	8.493	7.313	300	UNK	CIRC	
7952X	8.076	6.286	UNK	UNK	CIRC	
7953X	8.2	6.28	UNK	UNK	CIRC	
7954X	8.056	7.476	225	UNK	CIRC	
8001X	9.301	8.001	150	UNK	CIRC	
8002X	9.163	7.713	150	UNK	CIRC	
8050X	9.276	8.224	225	UNK	CIRC	
8051X	9.263	8.035	225	UNK	CIRC	
8052X	9.3	7.81	225	UNK	CIRC	
8102X	9.85	8.541	150	VC	CIRC	
8501X	7.691	4.611	225	VC	CIRC	
8502X	6.302	4.302	225	UNK	CIRC	
8504X	6	4.67	450	UNK	CIRC	*
8504Y	6		450	UNK	CIRC	*
8550X	7.667	6.277	UNK	UNK	CIRC	
8551X	7.602	5.902	375	UNK	CIRC	
8601X	7.872	6.452	150	UNK	CIRC	
8602X	6.802	5.452	UNK	UNK	CIRC	
8603X	8.221	5.181	UNK	UNK	CIRC	
8650X	8.183	6.733	225	UNK	CIRC	
8651X	7.846		225	UNK	CIRC	
8652X	6.793	5.643	225	UNK	CIRC	
8653X	8.13		300	UNK	CIRC	
8654X	7.594	6.444	225	UNK	CIRC	
8701X	8.014	5.504	225	UNK	CIRC	
8702X	7.75	5.06	225	UNK	CIRC	
8703X	8.822	5.742	UNK	UNK	CIRC	
870DX			UNK	UNK	CIRC	
8750X	7.678		225	VC	CIRC	
8751X	7.947	6.107	225	UNK	CIRC	
8801X	8.784	7.794	150	UNK	CIRC	

Node	Cover	Invert	Size	Material	Shape
8802X	8.873	7.653	UNK	UNK	CIRC
8803X			UNK	UNK	CIRC
8850X	8.742	8.092	225	UNK	CIRC
8851X	8.747	8.007	225	UNK	CIRC
8852X	8.949	7.809	225	UNK	CIRC
8853X	8.666	7.216	225	UNK	CIRC
8901X	9.178		225	UNK	CIRC
8902X	9.345	7.275	UNK	UNK	CIRC
8903X	9.031	7.971	150	UNK	CIRC
8904X	9.968	8.408	150	UNK	CIRC
8905X	8.705	6.855	150	UNK	CIRC
8950X	9.25		225	UNK	CIRC
8951X	9.386	7.896	225	UNK	CIRC
8952X	9.331	8.081	150	UNK	CIRC
8953X			225	UNK	CIRC
9001X	10.666	7.056	225	UNK	CIRC
9050X			UNK	UNK	CIRC
9051X	10.091	8.516	UNK	UNK	CIRC
905DX			300	UNK	CIRC
9150X	9.6	8.5	225	UNK	CIRC
9601X	8.499	5.409	225	UNK	CIRC
9652X	8.428	7.378	UNK	UNK	CIRC
965DX			225	UNK	CIRC
9701X			UNK	UNK	CIRC
9750X	8.88	7.11	300	UNK	CIRC
9802X	9.164	6.524	UNK	UNK	CIRC
9803X			UNK	UNK	CIRC
9804X			150	UNK	CIRC
9805X	8.942		UNK	UNK	CIRC
9850X	9.513	8.363	150	UNK	CIRC
9851X	9.147		300	UNK	CIRC
9852X	8.81	7.27	UNK	UNK	CIRC
9854X			225	UNK	CIRC
985DX			300	UNK	CIRC
9901X	9.794	6.844	UNK	UNK	CIRC
9902X	9.69		UNK	UNK	CIRC
9903X	9.234	6.634	UNK	UNK	CIRC
9904X			100	VC	CIRC
9905X			100	VC	CIRC
9906X			100	VC	CIRC
990DX			UNK	UNK	CIRC
991DX			100	VC	CIRC
992DX			100	VC	CIRC
9950X	9.575	8.075	UNK	UNK	CIRC

Node	Cover	Invert	Size	Material	Shape



Drawn by: kumaria	Southern Water
Title: 285735_Land off Horndean Road,	
Date: 20/03/2018	

Our Ref: 12435406 Your Ref: 603669 - Land off Horndean Road

Thursday, 15 March 2018

Liam English
Premier House Daux Road
Billingshurst
West Sussex
RH14 9SJ

Dear Liam English

Thank you for your enquiry dated Thursday, 15 March 2018

Please find an extract from our mains records for your proposed work area, any SGN assets are described in the map legend. **On some occasions blank maps may be sent to you, this is due to your proposed work being in a no gas area but within our operational boundaries.**

This mains record only shows the pipes owned by SGN in our role as a Licensed Gas Transporter (GT). Please note that privately owned gas pipes or pipes owned by other GTs may be present in this area and information regarding those pipes needs to be requested from the owners. If we know of any other pipes in the area we will note them on the plans as a shaded area and/or a series of x's.

The information shown on this plan is given without obligation or warranty and the accuracy cannot be guaranteed. Service pipes, valves, siphons, stub connections etc. are not shown but their presence should be anticipated. Your attention is drawn to the information and disclaimer on these plans. The information included on the plan is only valid for 28 days.

On the mains record you may see the low/medium/intermediate pressure gas main near your site. There should be no mechanical excavations taking place above or within 0.5m of a low/medium pressure system or above or within 3.0m of an intermediate pressure system. You should, where required confirm the position using hand dug trial holes.

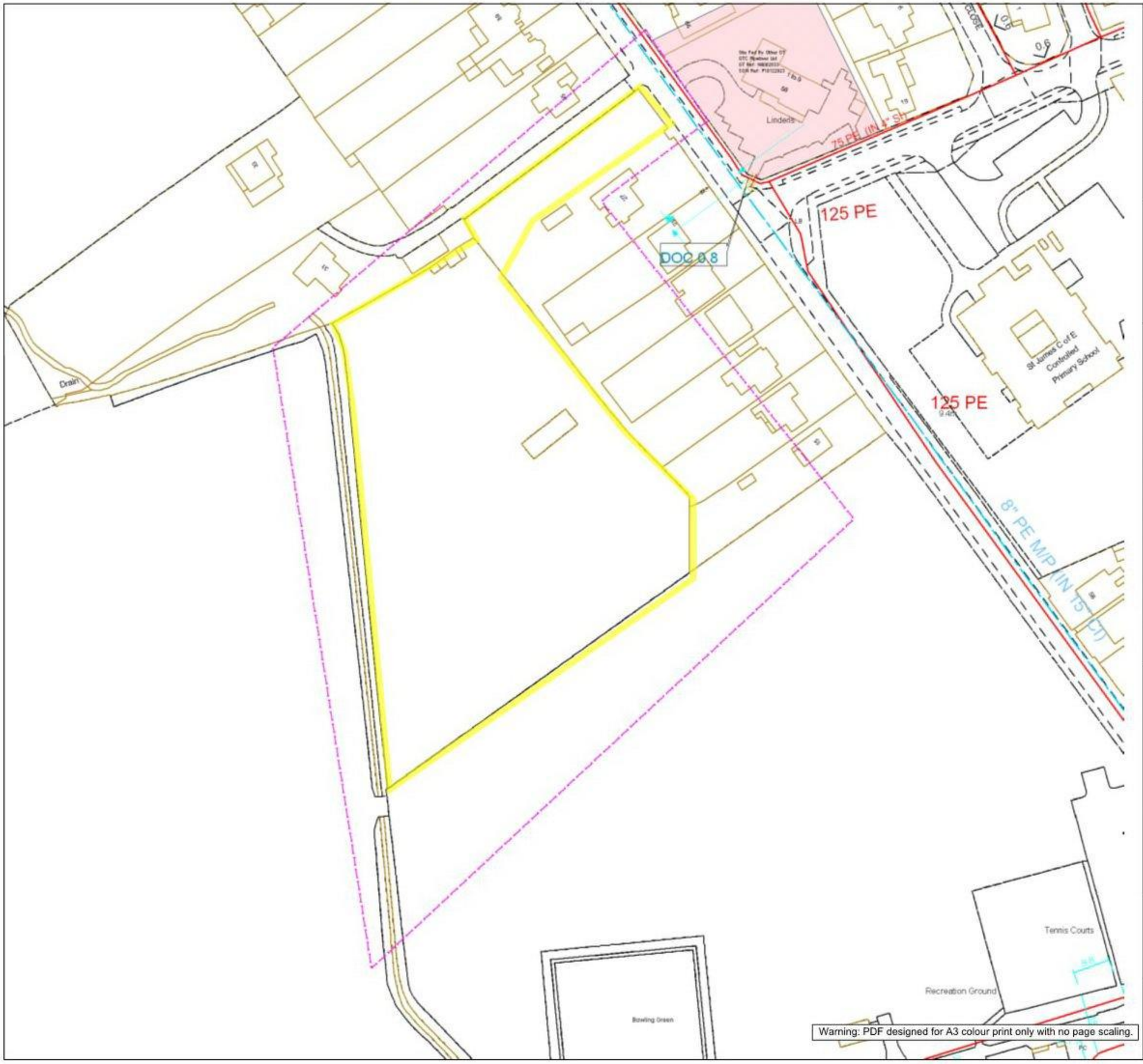
A colour copy of these plans and the gas safety advice booklet enclosed should be passed to the senior person on site in order to prevent damage to our plant and potential direct or consequential costs to your organisation.

Safe digging practices in accordance with HSE publication HSG47 "Avoiding Danger from Underground Services" must be used to verify and establish the actual position of the mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all relevant people (direct labour or contractors) working for you on or near gas pipes.

It must be stressed that both direct and consequential damage to gas plant can be dangerous for your employees and the general public and repairs to any such damage will incur a charge to you or the organisation carrying out work on your behalf. Your works should be carried out in such a manner that we are able to gain access to our apparatus throughout the duration of your operations.

If you require any further information please do not hesitate to contact us.

Yours sincerely,
The Safety Admin Team
For more information, visit our Dig Safely pages on sgn.co.uk
Tel: 0800 912 1722



N
W E
S

SGN
Your gas. Our network.

Contact Us

Mapping Enquiries:
All areas

General Enquiries:
All areas

Date Requested: 15/03/2018
Job Reference: 12435406
Site Location: 474526 106809
Requested by:
Mr Liam English
Your Scheme/Reference:
603669 - Land off Horndean Road
Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

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 Safety Admin Team on 0800 912 1722 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.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA
0800 111 999

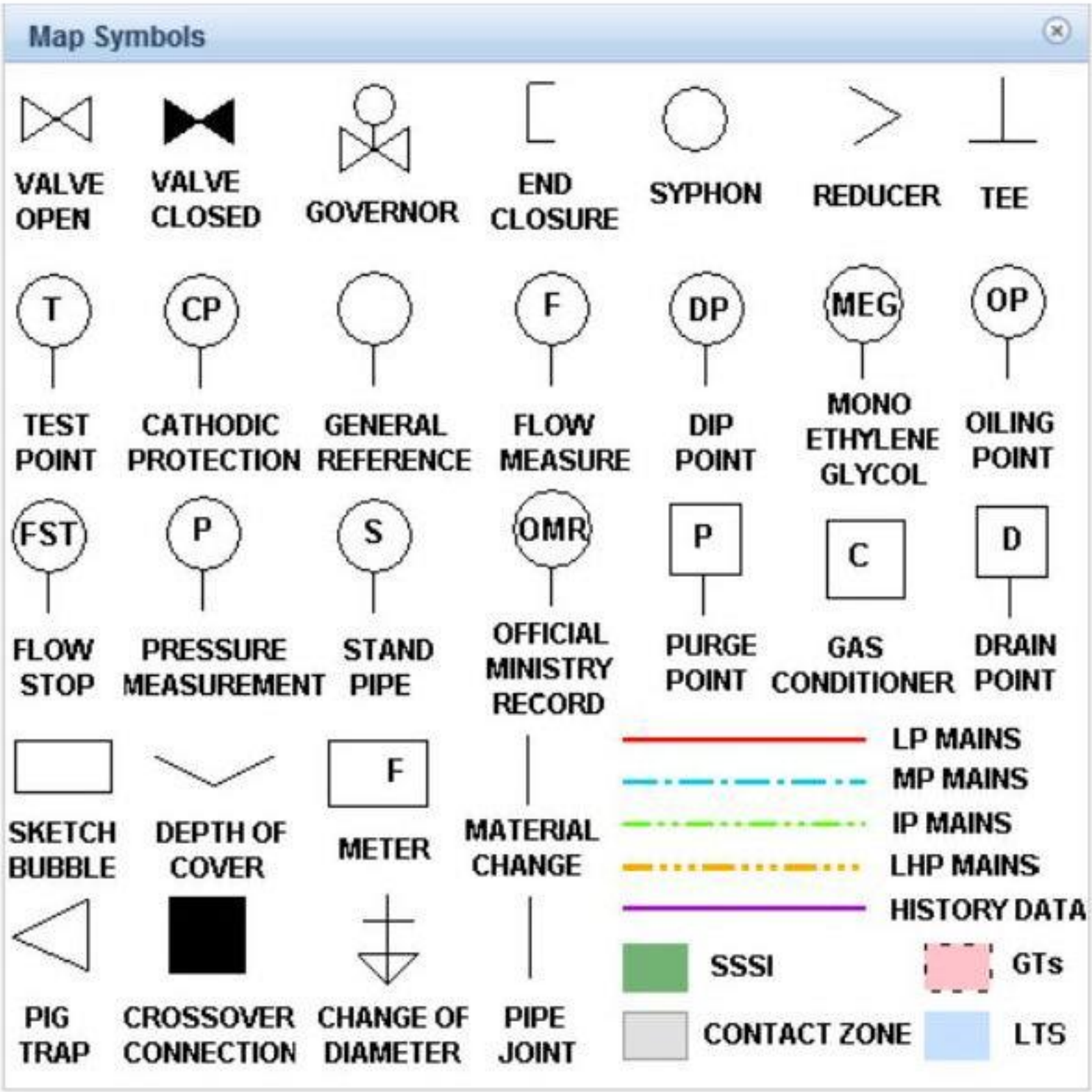
Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
LAs
GTs
SSSIs

Some Examples Of Plant Items
Valve Syphon Depth of Cover Diameter Change Material Change

Digsite: Line: Area:

Linesearch before dig

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. Southern Gas – 100044373 and Scotland Gas – 100044366.


Map Symbols
VALVE OPEN
VALVE CLOSED
GOVERNOR
END CLOSURE
SYPHON
REDUCER
TEE
T
TEST POINT
CP
CATHODIC PROTECTION
GENERAL REFERENCE
F
FLOW MEASURE
DP
DIP POINT
MEG
MONO ETHYLENE GLYCOL
OP
OILING POINT
FST
FLOW STOP
P
PRESSURE MEASUREMENT
S
STAND PIPE
OMR
OFFICIAL MINISTRY RECORD
P
PURGE POINT
C
GAS CONDITIONER
D
DRAIN POINT
SKETCH BUBBLE
DEPTH OF COVER
F
METER
MATERIAL CHANGE
PIG TRAP
CROSSOVER CONNECTION
CHANGE OF DIAMETER
PIPE JOINT
LP MAINS
MP MAINS
IP MAINS
LHP MAINS
HISTORY DATA
SSSI
GTs
CONTACT ZONE
LTS

Safety Advice - Valves

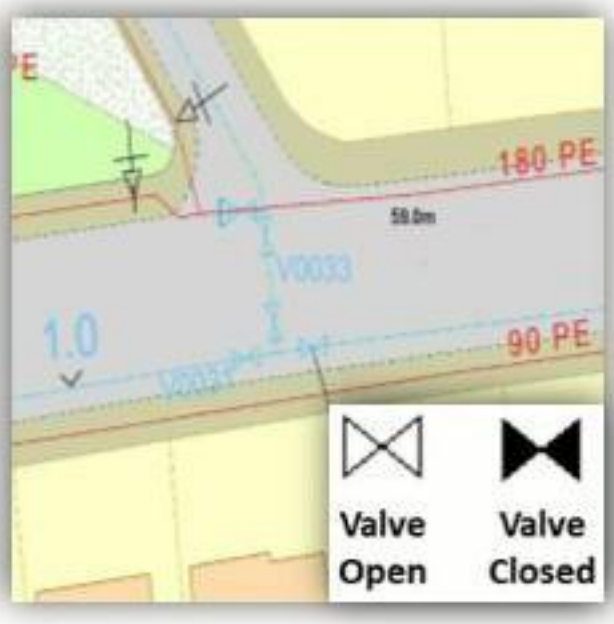
Guidance when undertaking work near gas valves in our network areas

SGN manages the network that distributes gas to 5.8 million homes and businesses across Scotland and the south of England.

Due to a manufacturing issue, we are currently replacing or upgrading certain valve types that are at risk of bolt failure. In extreme cases, this can lead to gas escapes. This is a safety hazard and we have produced this guide to ensure you undertake adequate safety precautions when working near gas valves.

Identifying gas valves

The images below are an illustration of typical gas valves. Please note, valves come in various colours, shapes and sizes, and you may come across a valve that looks different to those found in the images.



What should you do?

When planning to work in our network areas, please observe the following points:

1. You must contact us before starting any work activity within **3.0m** of a gas valve identified on our maps.
2. If an unexpected gas valve is exposed you must immediately stop excavation works and report this to us.
3. To protect yourself against the risks associated with exposing a valve, we advise that you contact us when in doubt.

Contact details

If you require further information or need assistance please contact us:

Safety Admin Team: **0800 912 1722**
plantlocation@sgn.co.uk

Valve enquiries will be forwarded to a local engineer who will provide further safety information.

SGN

Your gas. Our network.

Dig safely

Measures to avoid injury and damage to gas pipes

The following protective and precautionary measures MUST be taken when working in the vicinity of gas mains and services.

It is the responsibility of the property owner or company carrying out the work to make sure they've complied with the relevant legislation and Health and Safety Executive (HSE) guidance, eg HS(G)47. In practice, this means that whoever is carrying out the work MUST obtain gas mains location information and/or maps showing the indicative position of the gas network before any work takes place.

To avoid injury to yourself, your employees, colleagues and the general public you MUST suitably mark the position of the pipes on site.

HS(G)47 outlines best practice that should be followed to ensure you work safely:

1. Plan the work, obtain maps.
2. Detecting, identifying and marking underground services.
3. Safe excavation and safe digging practices.

In addition to the requirements under the Health and Safety At Work etc. Act 1974 to prevent injuries to employees and others (not employed), it is an offence under regulation 15 of the Pipelines Safety Regulations 1996 to cause damage to a pipeline (which includes gas mains and services as well as higher pressure pipelines) so as to give rise to a danger to persons.

You MUST make sure that current full colour copies of our maps are issued to all relevant personnel on site and they're aware of the presence and location of our gas mains and services prior to any excavation.

In a gas emergency

If you cause a gas leak or suspect a main or service pipe or equipment is leaking, you MUST take the following emergency actions immediately:

- **Ask people to move away from the area of the gas escape.**
- **Call 0800 111 999 immediately.**

1. **Don't** attempt to repair the escape or stop the leakage.
2. As gas may enter buildings, ask people in the surrounding premises to **leave** until it's safe for them to return.
3. **Stop** anyone going near the immediate vicinity of the gas escape.
4. **Prohibit** smoking and extinguish all naked flames.
5. **Don't** use mobile phones or other ignition sources.
6. **Assist** our representatives and other emergency services such as the police, ambulance, and fire service as requested.

Additional reference material

- SGN guidance for Safe Working in the Vicinity of Pipelines & Associated Installations operating >7barg. Applicable for HP only.
- HS(G)47 **Avoiding Danger from Underground Services** available from **hse.gov.uk**
- NJUG **Utilities Guidance on Positioning and Colour Coding of Apparatus** available from **njug.org.uk**

Making an enquiry for gas mains or services maps

Please visit our **Dig safely** pages on **sgn.co.uk** for plant protection information and links to our online mapping system and other associated information and guidance.

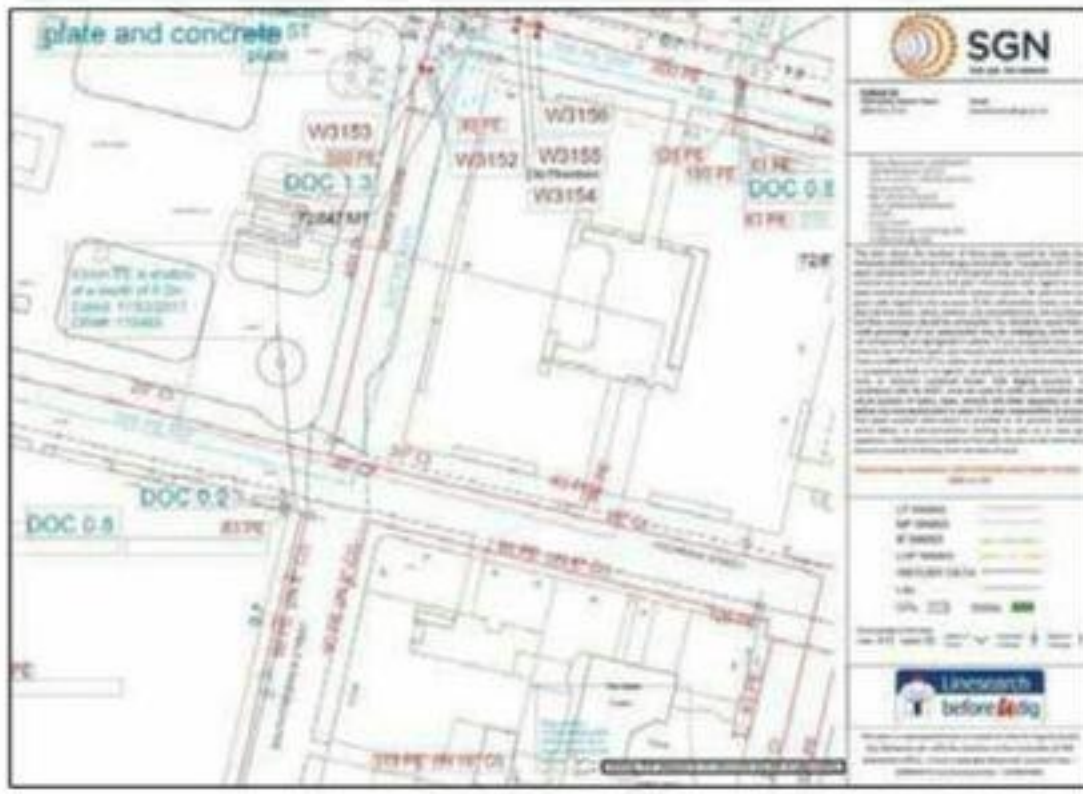
Our simple and easy to use online mapping system is available 24/7, 365 days a year.

You'll need to register/log in and provide a few details about your site location and the work you'll be carrying out. We'll respond immediately by email.

What you're likely to be sent

You'll be sent an email with a map. This will be an extract from our gas mains record, showing your site and any of our gas pipes as well as relevant safety information.

We always send out safety information, however we may forward your enquiry on to a local plant protection officer or a pipelines engineer to make direct contact with you depending on the work location.



Example of a gas map

Note: Service pipes are not shown on our maps

When working near our gas mains and services

Safe system of work

To satisfy ourselves that work in the vicinity of our gas mains is being carried out safely, we may ask for a copy of your risk assessment and/or method statement paperwork.

Where work falls under the Construction (Design and Management) Regulations 2015 reference to our gas mains and services MUST be made within your site Health and Safety file.

Financial

Every reasonable precaution MUST be taken to avoid personal injury or damage to our gas network at all times.

If we incur any costs to repair direct or consequential damage or divert any gas main or service, you'll be recharged in full.

HSE

Any damage to our gas mains or services will be subject to legislative reporting responsibilities to the Health and Safety Executive under Reporting of Injuries, Diseases & Dangerous Occurrences Regulations 2013, Gas Safety Management Regulations 1996, and the Pipelines Safety Regulations 1996.

Minimum safe working distances

Depending on the activity being undertaken and the gas mains or services you are working within the vicinity of, there are different safe distances that MUST be adhered to. SGN plant protection officers or pipeline engineers will inform you of these if required.

Surface boxes and manholes

Do not bury or move our surface boxes. Free access MUST be maintained during and after your work. No manhole cover or other structure can be built over, around or under a gas main, and no work is to be carried out that results in a reduction or increase in cover or protection without prior written agreement.

Deep excavations

Adequate protection, approved by us, MUST be applied for any deep excavations in the vicinity of our gas mains and services that may affect its security and integrity. Ground movement around gas mains MUST be prevented. We MUST be contacted if a sewer trench or any other water authority is to be constructed at greater than 1.5 metres depth near a buried gas main or service pipe. You MUST give us detailed drawings showing the line and width of the proposed sewer or other trench, together with the soil group classification of the area concerned.

Crossing our mains or services

The placing of heavy construction plant, equipment, materials or the passage of heavy vehicles over our gas mains is prohibited unless specifically agreed protective measures (ie the construction of reinforced crossing points) have been carried out. This is particularly important where reductions in side support or ground cover are planned. You MUST NOT carry out any work in servitudes/easements without our prior written consent.

Exposed plant

Where excavations in the vicinity of our gas mains affect its support, the plant MUST be adequately supported and protected in consultation with us and to our satisfaction. It MUST be protected from impact, restraints and thrust blocks, and supports MUST NOT be removed without our agreement.

Hot work

One of our representatives should be present when welding or other hot work involving naked flames is being carried out near our gas mains, as there's potential for heat damage to plastic pipeline/coatings.

Backfilling

Concrete backfill should not be placed closer than 300mm to our mains. No concrete or hard material should be placed under or adjacent to any of our gas mains. Shuttering MUST be constructed to maintain the stated clearances and prevent fresh concrete encasing our mains or services. Material used for backfill around our gas mains MUST conform to the following:

- If sand, it MUST be well-graded in accordance with BS EN 12620:2002.
- It MUST NOT contain any sharp particles (stones, bricks, lumps or corrosive materials).
- Foamed concrete MUST NOT be used.
- It MUST be laid to a minimum depth of 250mm above the crown of the gas main.

Note: Power ramming MUST NOT take place until a 300mm hand rammed layer has been completed over the crown of the main.

Access

Free access to our sites, mains and services, including temporary structures and spoil heaps MUST be available at all times.

Mechanical excavation

Mechanical excavators (including breaker attachments) MUST NOT be used within the following distances from the confirmed location of our gas mains and services shown on our gas maps without prior agreement:

Type of mains and services	Gas map identification	Hand excavation required inside	Pipe pressure indication shown on map
Low Pressure (LP)	0 - 75mbar	0.5 metres	
Medium Pressure (MP)	75mbar to 2 bar	0.5 metres	
Intermediate Pressure (IP)	2 - 7 bar	3.0 metres	
High Pressure (HP)	Above 7 bar	You must seek approval from us prior to any work	

Major accident hazard pipelines

High pressure pipeline

No work is to take place near an HP pipeline until it is agreed with us. After agreement and before any work does take place, the location of our pipeline MUST be marked up and its position confirmed by digging trial holes with our personnel in attendance.

Pipeline markers

High pressure

We will be involved in any work taking place near high pressure pipelines. We will provide you with additional information that you MUST familiarise yourself with before carrying out any work.

The default method of excavating near high pressure gas pipelines MUST always be by hand.

Wind turbines

The UK Onshore Pipelines Operations Association (UKOPA) has identified the appropriate exclusion zone (distance from the base of the wind turbine mast to the edge of the pipeline) as 1.5 times the turbine height. Contact MUST be made with us during the planning stages of a wind turbine or wind farm.

Tree planting

If trees or shrubs are to be planted in the vicinity of our gas mains and services, the selection of tree or shrub type and how it's planted MUST be considered carefully. This is to avoid root damage to buried mains or services, and to ensure our subsequent excavations for main repair and maintenance won't damage the trees or shrubs.

Written approval from us MUST be obtained before any tree planting is carried out on a servitude/easement. Any approval we grant to plant trees

The following trees and those of similar size (deciduous or evergreen) MUST NOT be planted within 6m of the centre line of the main: ash, beech, birch, most conifers, elm, maple, lime, horse chestnut, oak, and sycamore. Apple and pear trees are also included in this category.

Dwarf apple stocks may be planted up to 3m of the centre line of the main.

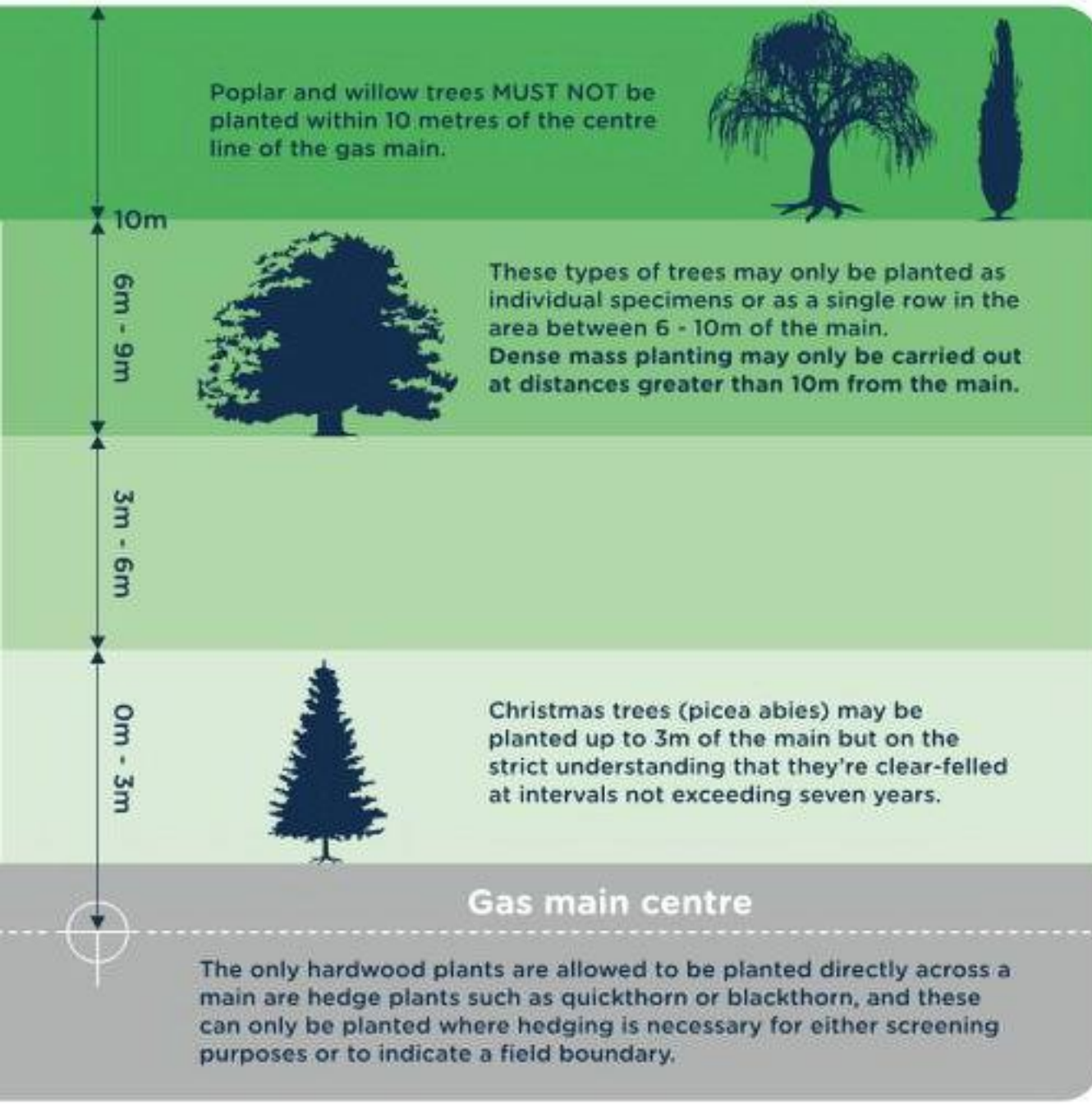
In cases where screening is required, the following are shallow rooting and may be planted close to the gas mains and services: blackthorn, broom, cotoneaster, elder, hazel, laurel, quickthorn, privet, snowberry and most ornamental shrubs.

Gas main centre

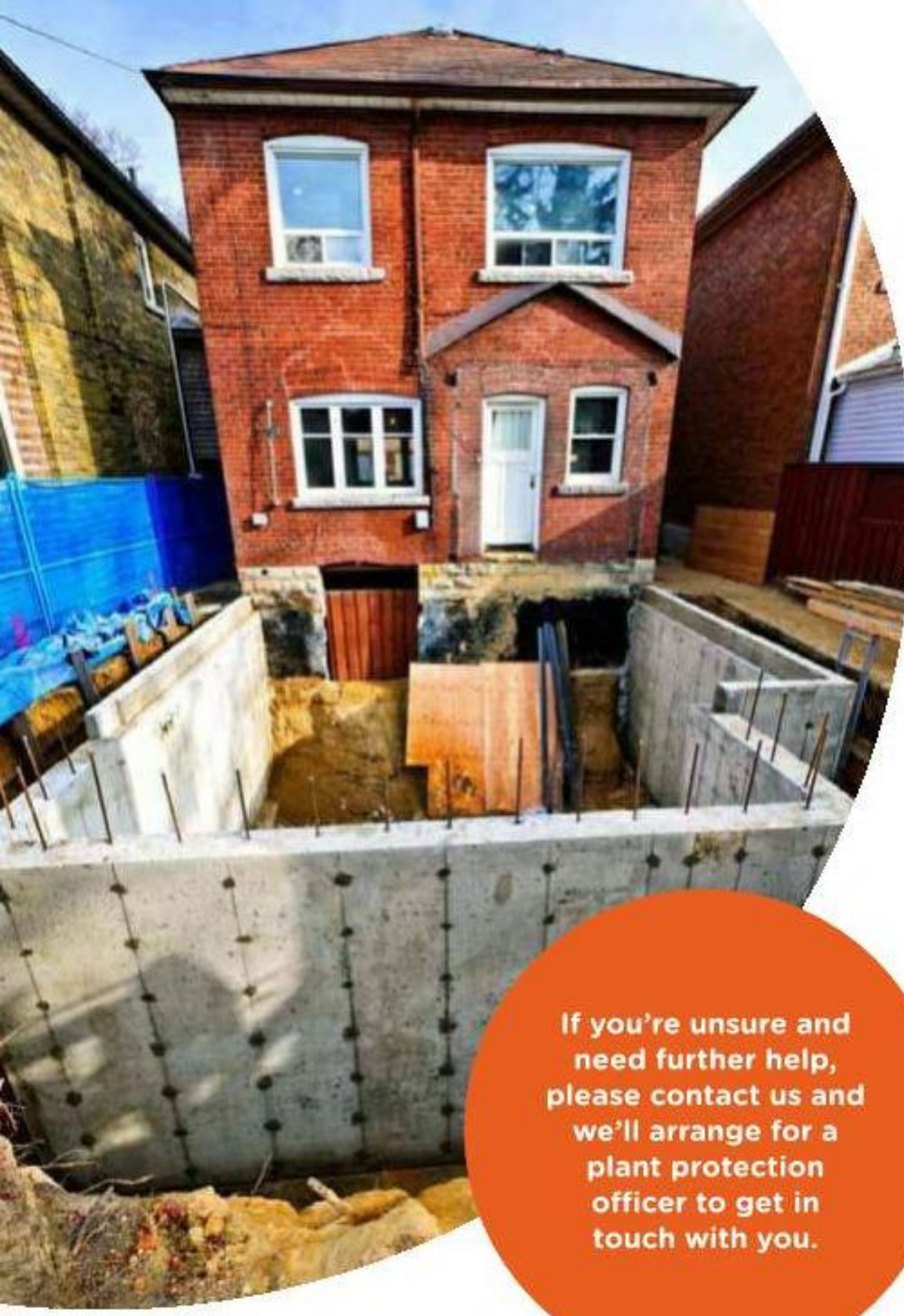
Raspberries, gooseberries and blackcurrants may be planted on the gas main, but a four metre strip, centred on the main, MUST be left clear at all times.

on a servitude/easement will be subject to us retaining the right to remove any tree, which in our opinion may become a danger to our mains in the future.

The written consent to plant trees will state what area may be planted and also the type of tree. The diagram details the specific species and the distances they MUST be planted from gas mains or services. You MUST contact us for further information.



Note: For further guidance, please refer to NJUG 10.

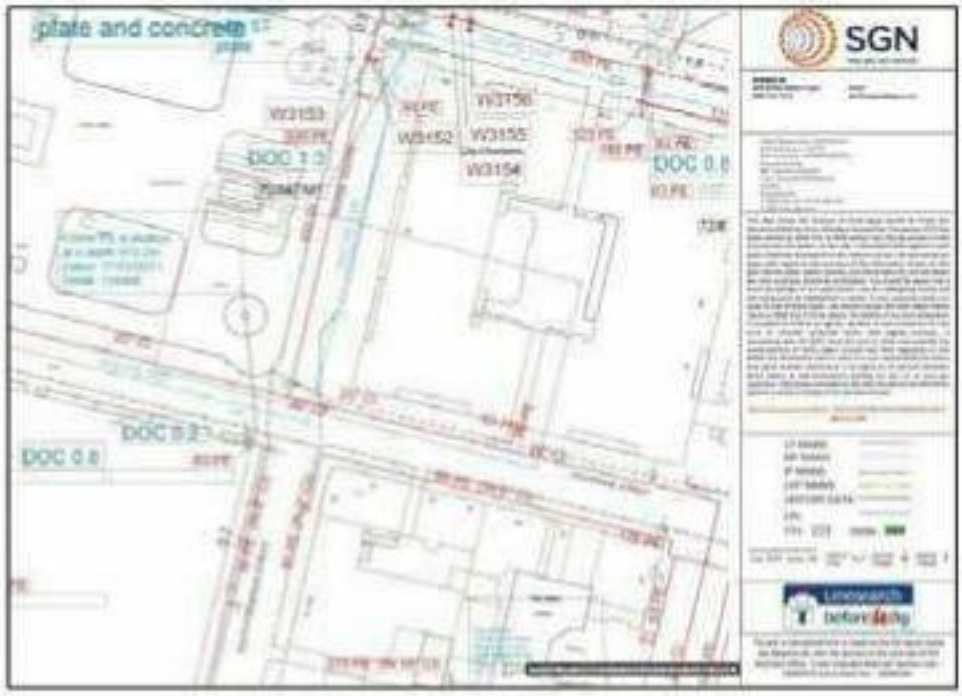


If you're unsure and need further help, please contact us and we'll arrange for a plant protection officer to get in touch with you.

Gas services/work in gardens

If you're going to be carrying out work around your home, or a third party is carrying out work on your behalf, we may send you a site map of our gas mains and services but your own gas service won't be marked.

The simplest way to understand the location of your gas service is to know where it enters your house.



< Your gas service pipe usually takes the shortest route to the gas main, as shown on the sample network map/drawing.

We provide a free plant location enquiry service and we're always happy to help.

Visit our **Dig safely** pages on **sgn.co.uk**

0800 912 1722 *

*All calls are recorded and may be monitored

SGN064N (03/17)

Liam English

From: Driver, Michael [redacted] on behalf of SOE gtuip SGN <soe_gtuip_sgn@sgn.co.uk>
Sent: 25 April 2018 13:59
To: Liam English
Subject: Land Enquiry - Land off Horndean Road, Emsworth, PO10 7PU
Attachments: Site Plan.pdf

Hello,

Please find attached plan showing the nearby SGN gas infrastructure.

Your SGN reference is L18143975

The nearest relevant main is 125mm PE Low Pressure at a distance of 10.82m to your site boundary

SGN do not anticipate that any reinforcement would be required to support your load.

As per the NP14 table, 63mm Pipes and smaller should be able to support a load of up to 920kWh before possible reinforcement. 90mm Pipes and larger should be able to support a load of up to 1733kWh before possible reinforcement.

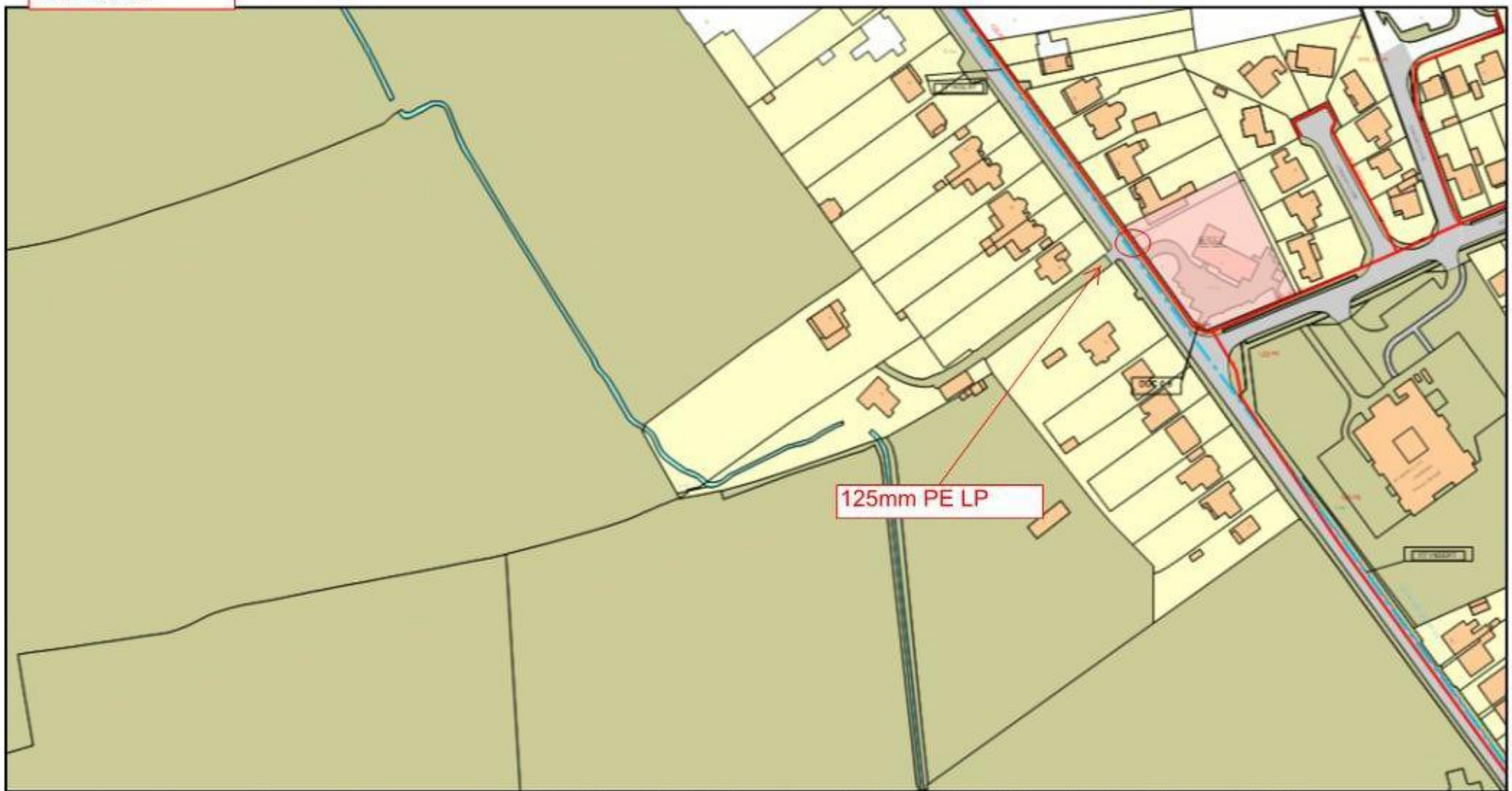
If you require more detailed information you will need to submit an application for a Quotation. My department does not provide quotations for new lay or alterations to gas infrastructure, the use of any GIRS registered company currently operating within SGN's foot print can be employed for these works. A list of such companies can be found on Lloyds register web site, https://www.lr.org/en/utilities/gas-industry-registration-scheme-girs/
If you choose to use a third party from the Lloyds register, I would recommend using one accredited for connections, Design and project management.

Kind Regards,

Michael Driver
Network Record Assistant
iGT, UIP & Land Enquiries
T: +44 (0)1293 818 070
E: soe_gtuip_sgn@sgn.co.uk
SGN, St Lawrence House, Station Approach, Horley, Surrey, RH6 9HJ
sgn.co.uk
Find us on Facebook and follow us on Twitter: @SGNgas

Smell gas? Call 0800 111 999
Find out how to protect your home from carbon monoxide

L18143975



SCALE: 1 : 2000

USER ID: md70948

DATE: 25/04/2018

GRID REFERENCE:
E474437, N106849, SU7406

LP MAINS
MP MAINS
IP MAINS
LHP MAINS
IGTs
SSSIs

Some examples of Plant Items
Valve
Syphon
Depth of Cover
Diameter Change
Material Change

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 08009121722 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 mechanic al 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.

Map version: 2.3.9.1

Issued by: Scotia Gas Networks plc.

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Background data © OpenStreetMap contributors via the Open Database License.

SGN

Liam English

From: Driver, Michael [redacted] on behalf of SOE gtuip SGN <soe_gtuip_sgn@sgn.co.uk>
Sent: 19 March 2018 14:47
To: Liam English
Subject: Land Enquiry - Land off Horndean Road, Emsworth, PO10 7PU
Attachments: Site Map.pdf

Hello,

Please find attached plan showing the nearby SGN gas infrastructure.

Your SGN reference is L18143668

The nearest relevant main is 8" PE Medium Pressure at a distance of 6.67m to your site boundary

SGN do not anticipate that any reinforcement would be required to support your load.

As per the NP14 table, 63mm Pipes and smaller should be able to support a load of up to 920kWh before possible reinforcement. 90mm Pipes and larger should be able to support a load of up to 1733kWh before possible reinforcement.

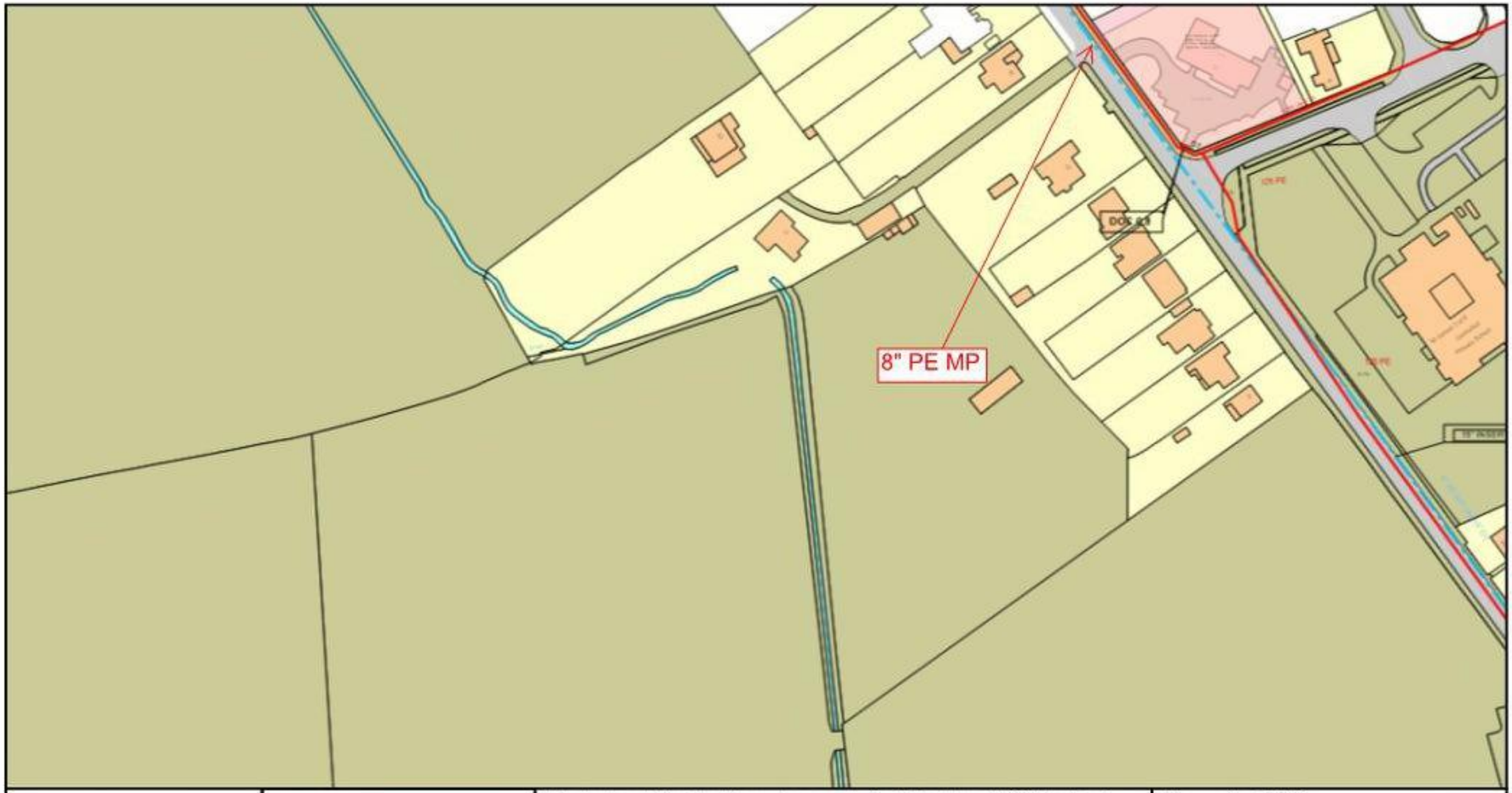
If you require more detailed information you will need to submit an application for a Quotation. My department does not provide quotations for new lay or alterations to gas infrastructure, the use of any GIRS registered company currently operating within SGN's foot print can be employed for these works. A list of such companies can be found on Lloyds register web site, https://www.lr.org/en/utilities/gas-industry-registration-scheme-girs/
If you choose to use a third party from the Lloyds register, I would recommend using one accredited for connections, Design and project management.

Kind Regards,

Michael Driver
Network Record Assistant
iGT, UIP & Land Enquiries
T: +44 (0)1293 818 070
E: soe_gtuip_sgn@sgn.co.uk
SGN, St Lawrence House, Station Approach, Horley, Surrey, RH6 9HJ
sgn.co.uk
Find us on Facebook and follow us on Twitter: @SGNgas

Smell gas? Call 0800 111 999
Find out how to protect your home from carbon monoxide

Unless specifically stated otherwise, emails and attachments are neither an offer capable of acceptance nor



SCALE: 1 : 1587

USER ID: md70948

DATE: 19/03/2018

GRID REFERENCE:
E474470, N106808, SU7406

LP MAINS
MP MAINS
IP MAINS
LHP MAINS
IGTs
SSSIs

Some examples of Plant Items
Valve
Syphon
Depth of Cover
Diameter Change
Material Change

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 08009121722 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 mechanic al 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.

Map version: 2.3.9.1

Issued by: Scotia Gas Networks plc.

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SGN

Domestic Quotation

				19 March 2018
1	Client			
2	Client Address			
3	Project Number - AWH			**10568**
4	Project Number - CLIENT			-
5	Project Address			**Land off Horndean Road, Emsworth**
6	Quotation Values for Meter Types **AV Sources From:** **ESP**	A	DUMB	**£7,856.67**
		B	SMART (E'ON)	**£8,479.59**
		C	SMART (BG)	**£8,793.07**
		D	(Excludes Meter)	**£8,396.07**
7	Scope		1 Bed	0
			2 Bed	6
			3 Bed	8
			4 Bed	2
			5 Bed	0
			6 Bed	0
			Total	**16**
8	Meter Positions			External - Meter Box
9	Excavation		On Site	CLIENT
			Off Site	UIP
10	Connection Point			E: 474552 N: 106930
11	Lead in Time			12 Weeks from receipt of order
12	Misc. Items (1) SITE VISITS - Single visit per minimum of 5 services unless otherwise stated. Additional fees may apply if less than 5 services are called off. General Rule (Services ÷ Qty + 1 = Site Visits included) (2) WORKING HOURS - Works to be undertaken during normal working hours of 8.30am – 4.30pm Monday to Friday (excluding bank holidays) unless otherwise stated. (3) METER BOXES - For standard U6 meter installations, AWH can no longer offer Semi-Concealed Meter Boxes (SCMB's). Acceptable Meter Box Types are Recessed, Bolt-on Surface, Multi-Box or Kiosk where applicable. (4) SERVICE ENTRIES – Internal meter points may require a core-hole drilling, no allowance is made for core-hole drilling. It is assumed the client is responsible for this. (5) EASEMENTS - Where anticipated, standard legal fees are included but are not inclusive of any additional tripartite GT/iGT/Third-Party fees that may be required unless otherwise stated. (6) Road Surfaces are single thickness; no allowance made for specialist surfaces or double lay road surfaces. (7) HIGHWAYS - Section 50 License fee included where applicable. (8) TRAFFIC MANAGEMENT - Standard Traffic Management in line with Chapter 8 including 2 way lights and barriers where applicable. No allowance included for local authority/ police charges, bonds, extended lead times or complex traffic management. (9) TRANSPORT for LONDON - No allowance made for any TfL charges such as road or lane closures/rentals unless otherwise stated. (10) TM & TfL Fees - Should a local authority require additional traffic management, direct supervision or bonds, any costs will be presented as a variation on an open-book basis as costs are rarely known at the quotation stage. (11) STREET FURNITURE - No allowance is made for any removal or installation of any street furniture.			
13	Prepared By			Sean Goggin
14	Approved for Issue			[redacted]

AWH Standard Terms and Conditions Apply

http://www.awh-utilityservices.ltd.uk/terms-conditions/

Budget Indicator

All meters have been quoted as external either on the front elevation of the property or no more than 2m down the side elevation.

Date	19 March 2018
AWH Project Ref	10568
Client Reference	-
Project Address	Land off Horndean Road, Emsworth
Postcode	PO10 7PU
Scope of Works	New gas supply for 16 x domestic dwellings
Disconnection(s) included	NO
Off-site Excavation	UIP
On-site Excavation	CLIENT
Public Distance	≤ 9m
Private Distance	≤ 240m
Service Isolation Valve	N/A
Service Termination Point	External - Meter Box
ECV Size	1" (25mm) Ball (BS746 ≤75mbar)
Kiosk / Meter Box Type	Mult-Box (U6)
Kiosk Base	N/A
Meters Included	YES (by UIP)
Meter Type	U6 Residential Only
Upstream GT / iGT	SGN - Scotia Gas Networks
Parent Main Material	PE
Parent Main Diameter	125mm
Mains Pressure Regime	LP (≤75mbar)
Parent Main Pressure	24 mbar
Off-take Dia.	63mm
Approved connection Type	63mm High Volume Tapping Tee
PDC Easting / Northing	E: 474552 N: 106930
Special Terms & Conditions	AWH are unable to offer SCMB's Prefered Meter Box Types are Recessed, Bolt on Surface, Mult-Box or Kiosk where appplicable
Engineering Difficulties	-
Easements	NOT KNOWN
SHV kW	198 kW/hr
AV kW	177468 kW
Hourly Gas Load m3/hr	18 m3/hr
Security of supply reVuired? Table A.1	Yes

Prepared By	Sean Goggin
Checked By	Andrew Southgate
Designated Designer	-
Issue Type	DESIGN FOR APPROVAL
Drawing Number	10568
Revision	0

Proposed MP
Proposed LP
Existing MP
Existing LP

AWH Utility Services Limited
1st Floor Black Barn
Mythe Business Centre
Tewkesbury
Gloucestershire
GL20 6EA
Tel: 01684 298 246

AWH Utility Services Ltd

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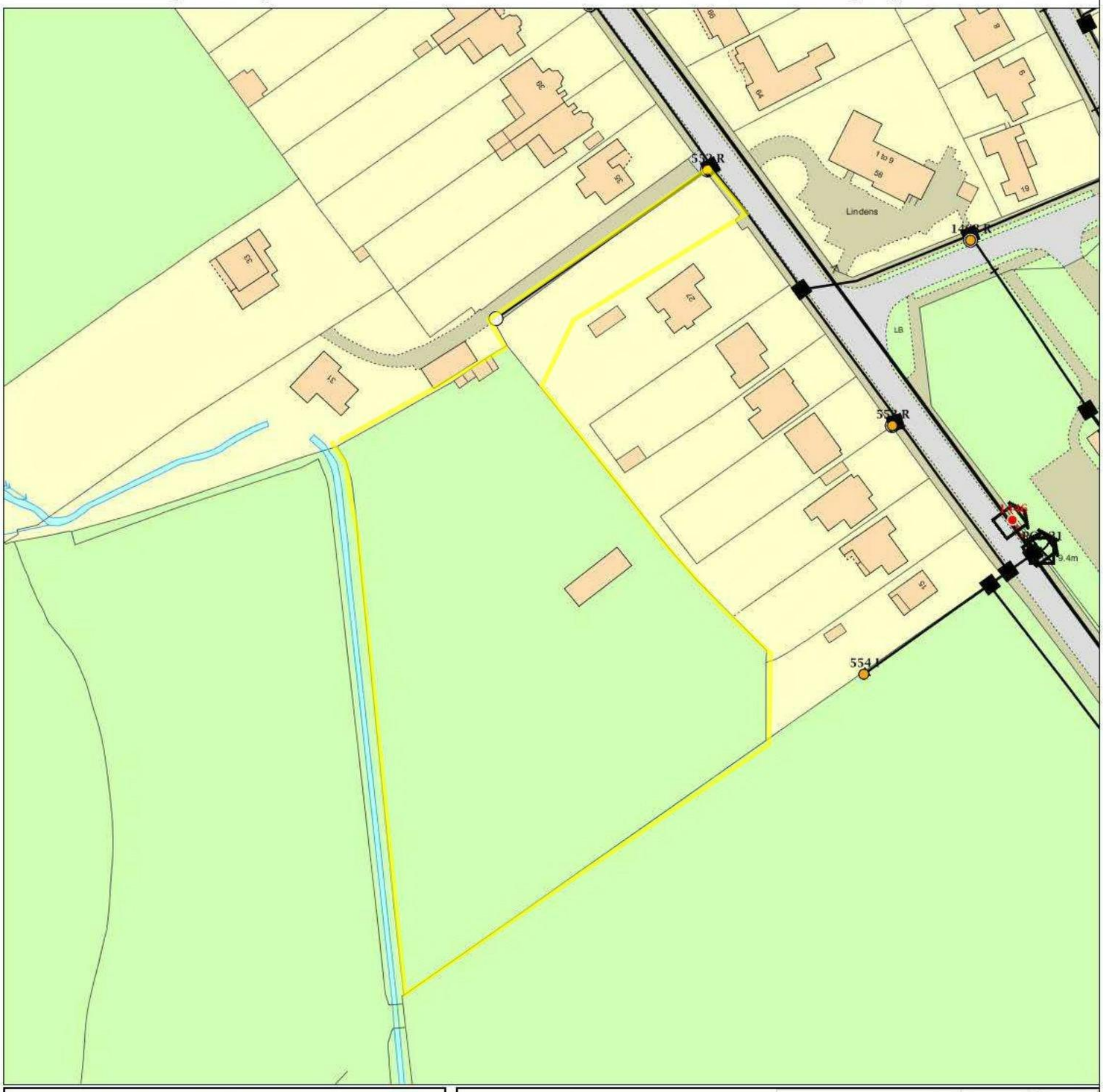
Maps by email Plant Information Reply



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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.

openreach

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email cbyd@openreach.co.uk

ADVANCE NOTICE REQUIRED
(Office hours: Monday - Friday 08.00 to 17.00)
www.openreach.co.uk/cbyd

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KEY TO BT SYMBOLS

DP	
Planned DP	
PCP	
Planned PCP	
Built	
Planned	
Inferred	
Building	
Kiosk	K
Hatchings	
Pole	
Planned Pole	
Joint Box	
Change Of State	+
Split Coupling	×
Duct Tee	▲
Planned Box	
Manhole	
Planned Manhole	
Cabinet	
Planned Cabinet	

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

BT Ref : ZQR03555S
Map Reference : (centre) SU7451206834
Easting/Northing : (centre) 474512,106834
Issued : 15/03/2018 15:56:00

WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk

Maps by email Plant Information Reply

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KEY TO BT SYMBOLS

DP	
Planned DP	
PCP	
Planned PCP	
Built	
Planned	
Inferred	
Building	
Kiosk	K
Hatchings	
Pole	
Planned Pole	
Joint Box	
Change Of State	+
Split Coupling	×
Duct Tee	▲
Planned Box	
Manhole	
Planned Manhole	
Cabinet	
Planned Cabinet	

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

BT Ref : CJJ04028M
Map Reference : (centre) SU7455306918
Easting/Northing : (centre) 474553,106918
Issued : 15/03/2018 16:03:06

WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk

openreach

PREMIER ENERGY SERVICES LTD
Premier House
Daux Road
Billinghurst
RH14 9SJ

Our Ref: 272420
Your Ref: Land off Horndean Road
11th April 2018

FAO: Liam English

Dear Sir

Openreach Diversionary Work, Land Off of Horndean Road, Emsworth. PO10 7PU.

Thank you for your Email dated 16th March 2018.

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 2017 Code"), Schedule 3A of the Communications Act 2003 and in line with Paragraph 16, Schedule 2, Transitional Provisions of the Digital Economy Act 2017

The estimated cost to provide a detailed estimate and specification for this work is **£1,581.89** (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.

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 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 go to the following URL: http://www.ournetwork.openreach.co.uk/locating-our-network/maps-by-email.aspx

Yours faithfully

Andy Wort
Repayments Project Engineer

Repayments (Alterations)
PP 1ST FLOOR
Friary House
Briton Street
Southampton
SO14 3LX

email: andy.wort@openreach.co.uk
tele: 02086662908
mob:

Registered Office:
81 Newgate Street,
London EC1A 7AJ
Registered in England and Wales no. 1800000

Payment Details

There are three ways to pay the standard charge (£1,581.89 including VAT).

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	Land off of Horndean Road, Emsworth. PO10 7PU
Project Engineer Name **Postal Address**	Andy Wort PPG007, Friary House, Briton Street, Southampton. SO14 3LX.
Openreach Reference	272420
Client's Company Name	PREMIER ENERGY SERVICES LTD
Client Billing Address	Premier House, Daux Road, Billingshurst, West Sussex. RH14 9SJ.
Client Contact	Liam English
Client Tel	01403 740245

For advice or assistance in completing this form please call Jane Goodison 0131 345 0016 for all other queries contact the Project Engineer named above.

Our VAT number is **245719348**

Legend

CAUTION AREA
- BT.CAUTION_AREA

EQUIPMENT
- FIBRE, TCODE
- COPPER, CABINET
- COPPER, DP

DUCT
- AERIAL
- TUNNEL
- DUCT

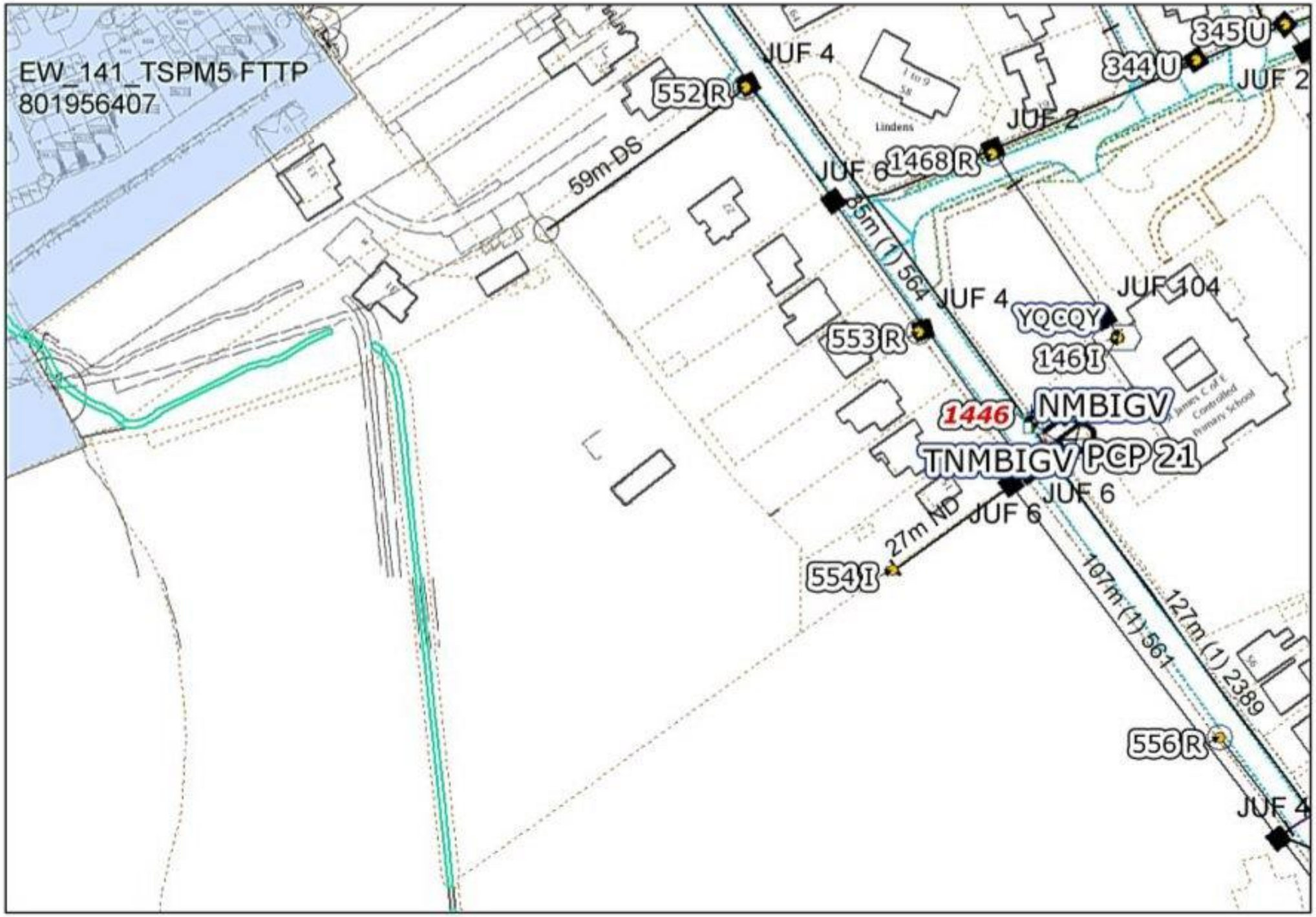
PROPOSED
- AERIAL
- DUCT

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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Information valid at time of preparation.

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PLANT INFORMATION REPLY

<Double-Click to add Text>

<Double-Click to add Text>

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a BT Group business
BT

Great news

You can get speeds up to **80Mb** with Unlimited Infinity 2, and you can get BT TV.

31 Horndean Road, Emsworth, PO10 7PU Change address >

Hide more about your speed details ^

Fibre broadband

Download Speed:
65Mb-80Mb

Minimum Speed:
57Mb

Estimated download speed range*

Standard broadband

Download Speed:
6.5Mb-15Mb

Minimum Speed:
3Mb

Estimated download speed range*

This speed is an estimate, but it should be accurate to within 1 or 2 Mb Learn more >

Premier Energy
Premier House
Daux Road
West Sussex
RH14 9SJ

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.1101145
Your Letter Date	:	15.03.2018
Your Ref	:	NA
Date	:	20.03.2018

Hello,

Enquiry Location: Land off Horndean Road, Emsworth, PO10 7PU

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

I enclose a copy of our above referenced drawing, marked to show the approximate position of plant owned and operated by Virgin Media.

You will be aware that you have a duty to ensure that no damage results to this equipment as a result of your proposed works. Please note that this apparatus may contain Fibre Optic, Coaxial and/or 240v Power Cables and as such, special care must be taken when excavating this area.

Should you require Virgin Media apparatus to be diverted we must agree a specification of works and provide a detailed estimate of costs. The costs are £720 (Business) or £240 (Residential) Inc VAT and the charge applies to each individual scheme requested.
Both the estimate and specification will be sent to you within 25 working days of when the payment was received.
This initial payment will cover the following: -

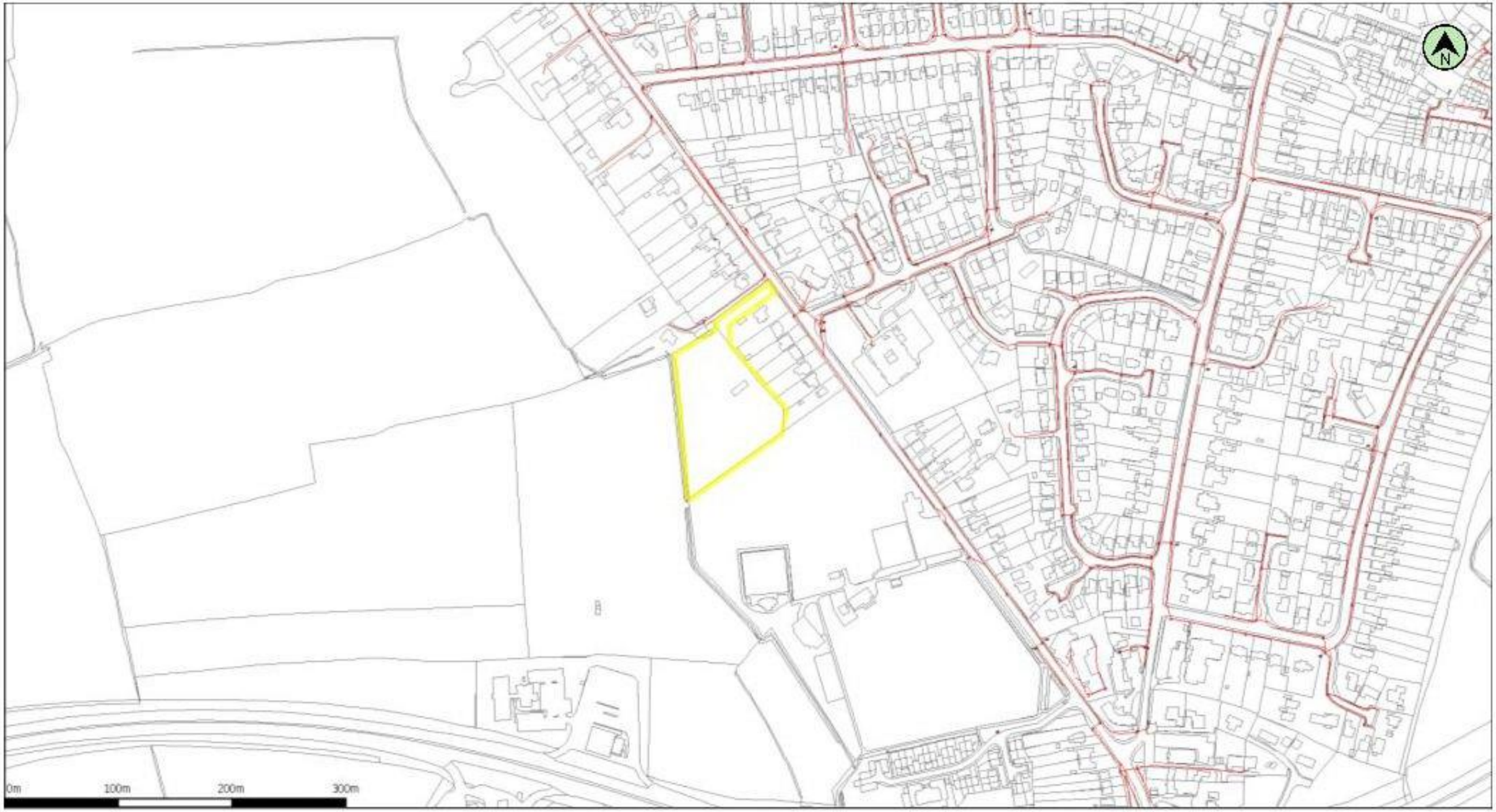
- Detailed site visit by an experienced planning engineer.(Up to 10 hours planning time)
- Detailed specification of works.
- Detailed breakdown of costs.

Payment is required in advance for the estimated cost of detailed design work and the charge applies whether or not your works proceed. Please supply us with your payment and a copy of your plans or drawings and quote 'Our Ref' as above.
The address to send the cheque is:
Diversionary Works, Virgin Media, 1 Dove Wynd, Strathclyde Business Park Bellshill ML4 3AL

Or if you prefer to talk, please call the Diversionary Team on: 0800 408 0088 Option 1

Yours faithfully

National Plant Enquiries Team



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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 2018 Ordnance Survey 100019209.

Duct, Trench

Chamber

Cabinet

shruthi.basavaraj@virginmedia.co.uk

VM.1101145

Liam English

From: plantenquiryservice@gtc-uk.co.uk
Sent: 15 March 2018 15:42
To: Liam English
Subject: GTC Plant Enquiry - Ref- 640199
Attachments: 640199.png; GU-DPR-IG-0022 Safe working in the vicinity of utility networks.pdf

Warning: GTC Apparatus Exists in This Area

Our Plant Enquiry Service Ref: 640199
Your Enquiry Ref: Horndean Road

Dear Liam,

Thank you for your enquiry concerning apparatus in the vicinity of your proposed work. For your records, the search area is shown in the attached map.

Please click on the links below to download copies of the relevant utility asset drawings locating our assets in the area which you identified. These drawings are grouped by our relevant network reference, should you need to contact us regarding any of our networks please quote this reference. Links to files will remain live for 10 days. If you do not download these files within this period you will need to submit a new enquiry – this will ensure you have an up-to-date copy of our asset records.

PLEASE NOTE: Where drawings are large, these have been provided in smaller segments. A drawing index is provided as the first file listed for each network reference (example of a network reference: N1234567) shown below. This is intended to help you find the drawing relevant to you more quickly. Please take care to ensure that you use the relevant drawings for every network listed below as we may have multiple networks and multiple utilities in this area.

N9002833

Gas

- N9002833-1.png

This information is for guidance only and the precise position of the plant must be established, prior to your works, using hand-digging methods only. The contractor will be held responsible for any damage caused to our asset. Please note our assets now include those owned and operated by:

- GTC Pipelines Limited
- Independent Pipelines Limited
- Quadrant Pipelines Limited
- Electricity Network Company Limited
- Independent Power Networks Limited
- Independent Water Networks Limited
- Independent Fibre Networks Limited
- Independent Community Heating Limited

If you have any queries or require any further information please do not hesitate to contact us.

All works in the vicinity of our networks should be undertaken in accordance with the attached document "GU-DPR-IG-0022: Safe working in the vicinity of utility networks". Reference should also be made to HSG47 Avoiding Danger from Underground Services.

Important: The area of your proposed works may contain gas mains operating at Medium and Intermediate Pressure tiers or electric cables operating at High Voltage – please refer to the network drawings included with this email. If your proposed works are likely to involve excavation within 10 metres of any of these assets, including but not limited to gas governors and electric substations you MUST inform GTC Plant Enquiries by calling 01359 240363 and quoting your Plant Enquiries Service Reference number.
Important: Drawings provided by this service may include utility assets not owned or managed by GTC. Conversely our drawings will NOT display assets from all third parties. It is your responsibility to ensure you have requested information from all utility asset owners.

Gas Escape or Damage MUST be reported on 0800 111 999. National Grid / DNGT will attend to make safe and repair.
Electricity Network Damage MUST be reported to ENC on 0800 032 6990.
Water Network Damage MUST be reported to IWNL on 02920 028 711
Fibre Network Damage MUST be reported to IFNL on 0845 051 1669

Thank you for using the GTC Plant Enquiries Service.

Your sincerely,

GTC Plant Enquiry Service

GTC
Energy House
Woolpit Business Park
Woolpit
Bury St Edmunds
Suffolk, IP30 9UP
Tel: 01359 240363
plant.enquiries@gtc-uk.co.uk

NOTE:
This E-Mail originates from GTC, Energy House, Woolpit Business Park, Woolpit, Bury St Edmunds, Suffolk, IP30 9UP
VAT Number: GB688 8971 40. Registered No: 029431.

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Thank you

GTC Plant Enquiry. Our Ref 640199, Your Ref Horndean Road generated for liam.english@premierenergy.co.uk at 15/03/2018 15:41:53. This map shows the search area of your enquiry.

BGNHC CONSTRUCTION DRAWING

IMPORTANT NOTICE

THIS SITE OPERATES AT LOW PRESSURE

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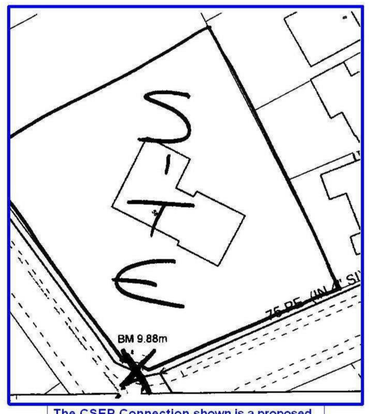
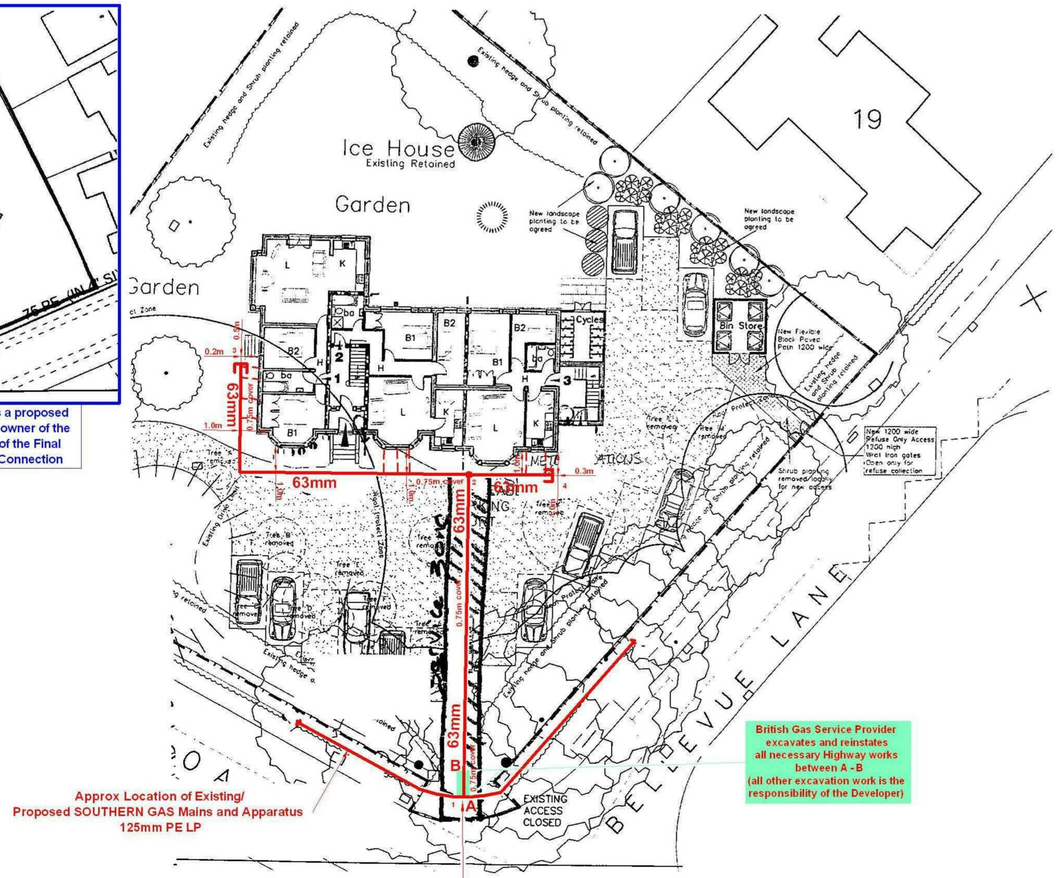
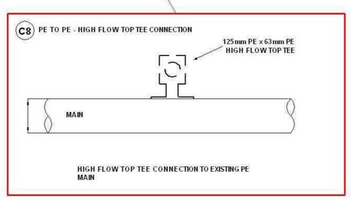
DO NOT SCALE OFF THIS DRAWING



The CSEP Connection shown is a proposed design only. Please refer to the owner of the Upstream Network for details of the Final As-Built drawing of the CSEP Connection



CONNECTION POINT 63mm PE



MATERIAL SPECIFICATION FOR LOW PRESSURE & MEDIUM PRESSURE PE MAINS

PIPE & FITTINGS

PE 80 (MDPE) pipes and fittings to Gas Industry Standard (formally National Grid Specifications):

GIS/PL2:2006 Specification for polyethylene pipes and fittings for natural gas and suitable manufactured gas
Part 2: Pipes for use at pressures up to 5.5 bar
Part 4: Fusion fittings with integral heating element(s)
Part 6: Spigot end fittings for electrofusion and/or butt fusion purposes

GIS/PL3:2006 Specification for self-anchoring mechanical fittings for natural gas and suitable manufactured gas

GIS/F2:2006 Specification for main sealing plugs and service connection fittings for use at pressures not greater than 2 bar

GIS/V4:2007 Specification for service isolation valves up to 50mm diameter for use up to 7 bar maximum operating pressures

GIS/V7:2006 Specification for distribution valves
Part 1: Metal-bodied line valves for use at pressures up to 16 bar and construction valves for use at pressures up to 7 bar
Part 2: Plastics bodied valves of sizes up to and including 180mm suitable for operation at pressures not exceeding 5.5 bar

DUCTING PROVISION FOR GAS MAINS/SERVICE ROAD CROSSINGS

Important: Ducting can only be used for perpendicular carriageway crossings.

Only one pipe is allowed per duct.

For Service Pipe the duct must be yellow and perforated along it's entire length.

Note: BS4692 is a suitable standard for plastic ducting.

The table below provides information on duct sizes

PE PIPE SIZE	MINIMUM DUCT SIZE
< 32mm	60mm (yellow perforated)
63mm	100mm
90mm	150mm
125mm	200mm
180mm	250mm

MAJOR/MINOR DESIGN VARIATION CONTROL FORM

PPS NO:

British Gas

MAJOR VARIATION		INDICATOR		
Date	Description of Variation	Approved by	Variation recorded on drawing (delete w/ appropriate)	
00/00/2006	Variation Details	Name	YES	NO
00/00/2006	Variation Details	Name	YES	NO
00/00/2006	Variation Details	Name	YES	NO
00/00/2006	Variation Details	Name	YES	NO
00/00/2006	Variation Details	Name	YES	NO

MINOR VARIATION		INDICATOR	
Date	Description of Variation	Approved by	Variation recorded on drawing (delete w/ appropriate)
26.11.10	node 4 main reduced & node 3 main extended to accomodate new meter / service positions	c joyce	YES
00/00/2006	Variation Details	Name	YES NO
00/00/2006	Variation Details	Name	YES NO
00/00/2006	Variation Details	Name	YES NO
00/00/2006	Variation Details	Name	YES NO

NOTE
SPECIFICALLY EXCLUDES ANY WORKS BY BRITISH GAS FOR THE DIVERSION, ALTERATION OR MAKING DEAD OF ANY **TRANSCO / OTHER PGT** OWNED GAS DISTRIBUTION INFRASTRUCTURE ON THE SITE
IF IN DOUBT PLEASE SEEK ADVICE.

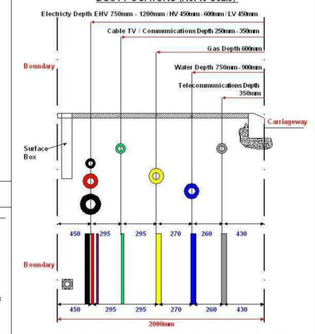
NOTE
GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY. SEMI CONCEALED METER BOXES SHALL NOT OBSTRUCT FOOTPATHS, PASSAGE WAYS, DRIVES OR BE A TRIP HAZARD. ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE AVOIDED.
IF IN DOUBT PLEASE SEEK ADVICE.

CDM STATEMENT:

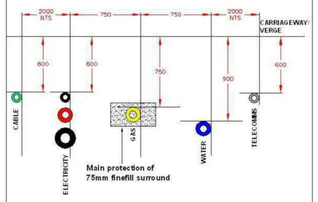
Any information given on this plan must be used only in conjunction with the Construction Health and Safety Plan prepared by the Principal Contractor. The Planning Supervisor must be consulted before any construction work commences. Any changes in design, or conditions arising or information becoming known at a later date that may adversely impact upon health and safety of any person, must be notified to the Planning Supervisor and Principal Contractor as soon as possible.

NOTES

TYPICAL FOOTPATH SECTION TO SHOW RELATIVE DUCT POSITIONS (Not to Scale)



TYPICAL ROAD/VERGE SECTION TO SHOW RELATIVE DUCT POSITIONS (Not to Scale)



Key

GAS

- Proposed L.P Main < 75 mbar
- Existing L.P Main < 75 mbar
- Proposed M.P Main 75 mbar – 2 bar
- Existing M.P Main 75 mbar – 2 bar
- Proposed I.P Main > 2 bar – 7 bar
- Existing I.P Main > 2 bar – 7 bar
- Existing H.P Main > 7 bar – 24 bar
- Existing H.Pressure Main > 24 bar–38 bar
- Existing H.Pressure Main > 38 bar–70 bar

Change of size

Pressure Regulator

Guidance for Mains/Services Duct Sizes

Pipe Size for PE Pipe	Minimum Duct Size for Services Insertion
< 32mm	60mm (yellow perforated)
63mm	100mm
90mm	150mm
125mm	200mm
180mm	250mm

Rev By:	DETAILS OF REVISION	DATE
NAME	DETAILS	00/00/2008

Network or part thereof to be owned and operated by the GTC Pipelines Limited on commissioning
Network: N9002833-1

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Design and constructed by British Gas
30 The Causeway
Staines
Middlesex
TW18 3BY

Tel No: 0800 072 5320

Design Copyright © British Gas

PROJECT
Flats 1 - 9, 58 Horndean Road, Emsworth, Hampshire PO10 7PU

TITLE:
GAS LAYOUT

DATE: 05/01/2009	SCALE: 1:200
DESIGNED BY: Mike Smith	DRAWN BY: Avani Shah
APPROVED BY: Jeff Hewitt	
DRAWING NO: PPS43611-A1-001	SHEET SIZE: A1

GTC Plant Enquiry. Our Ref 640199, Your Ref Horndean Road generated for liam.english@premierenergy.co.uk at 15/03/2018 15:41:53. This drawing is reproduced from our records archive at the time of enquiry.

...leading utility networks

SAFE WORKING IN THE VICINITY OF UTILITY NETWORKS

(Refer to the HSE Guidance Document HSG47)

General

1. It is imperative that all works are carried out in accordance with the guidance provided by the HSE in their document HSG47 "Avoiding Danger from Underground Services", ISBN 0-7176-1744-0. No party should carry out any excavation works or other intrusive works such as piling, blasting or demolition without following the guidance in HSG47.

2. We own gas, electricity, water and fibre apparatus located in the highway, private property and through the countryside. Some plant may be located in land for which a wayleave or easement has been granted & there may be no surface evidence of the presence of apparatus.

3. Ensure that you have obtained detailed plans of existing and proposed gas, electricity water and fibre networks.

4. The position of the networks should be pinpointed as accurately as possible by reference to the plans and by means of a locating device, which has been tested and calibrated within the last twelve months.

   Excavation work should be carried out where applicable, and carefully follow recognised safe digging practices. Once a locating device has been used to determine position and route, excavation may proceed; trial holes should be dug using suitable hand tools to confirm the position of buried networks. During excavation the locating device should be reused to check position and route of buried apparatus.

5. Hand-held power tools can damage buried apparatus and should be used with care until the exact position has been determined. They may only be used to break a paved or concrete surface above the network, unless there are any indications that the network is particularly shallow, in such circumstances, accuracy of plant location is determined and excavation initiated adjacent to the apparatus.

6. No manhole, chamber or other structure should be built over, around or under the network. Such structures, other pipes, ducts and cables should be laid to provide a minimum clearance from the network of 300mm or 1.5 times the diameter of the network, whichever is the greater. No work should be carried out if this minimum clearance cannot be met or which results in a reduction of cover or protection over the network, without first consulting GTC.

7. Where an excavation uncovers a network apparatus the backfill should be adequately compacted, particularly beneath the network, to prevent any settlement, which would subsequently damage the network. Backfill material adjacent to the network should be selected fine material or sand, containing no stones, bricks or lumps of concrete etc. and should be suitably compacted to give comparable support and protection to that provided before excavation. No power compaction should take place until 200mm cover of selected fine fill has been suitably compacted by hand tools.

8. If the road construction is close to the top of the network, GTC should be asked about necessary precautions. The road construction depth should not be reduced without permission from the local Highway Authority.

9. Costs incurred by GTC through direct or consequential damage will be recharged.

Precautions for Gas Networks

10. Plans do not always show the presence of gas service pipes (from the gas main to premises) but their existence should be assumed.

11. The depth of cover for gas mains is normally 750mm in carriageways and grass verges and 600mm in footways. The depth of cover for gas services is normally 450mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.

12. Plastic gas pipes should be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.

13. The danger created by damaging a gas pipe with an excavator is much greater than if the damage is done with a hand-held power tool (the opposite is true for work near electricity cables and this is reflected in the different safe digging practices). Gas pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators should not be used within 500mm of a gas pipe.

14. If a gas leak is suspected, the following action should be taken immediately:

    - Remove all people from the immediate vicinity of the escape. If the service connection to a building or the adjacent main has been damaged, warn the occupants to leave the building, and any adjoining building, until it is safe for them to return. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building. Gas leaking from the damage inside or gas travelling along the line of the service connection pipe from outside the building may cause a build-up of gas within the building.
    - Prohibit smoking, and extinguish all naked flames and other sources of ignition i.e. stop excavator and compressor engines within at least 5.0m of the leak.
    - Inform National Grid by dialling **0800 111 999**
    - Remain on site.
    - Assist National Grid staff, Police or Fire Services as requested.

15. Where gas pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the gas pipe or cause excessive loading over the gas pipe then GTC must be consulted.

16. No concrete or other hard material should be placed or left under or adjacent to any gas pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a gas pipe.

17. Where an excavation uncovers a gas pipe with a damaged wrapping, GTC should be told, so that repairs can be made to prevent future corrosions and leakage.

18. Pipe restraints or thrust blocks close to gas mains should never be removed.

19. Anyone who carries out work near underground gas plant should observe any specific requirements made by the site manager, and ensure that access to the plant by National Grid Gas and GTC staff is available at all times. No unauthorised repairs to gas pipes should be made.

20. Where excavation is within 5 metres proximity to above or below ground pressure control equipment, ground workers must be aware of the possibility of encountering small impulse pipe work that is more susceptible to damage.

21. Where PE pipes and cables have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.

22. GTC should be consulted if it is intended to carry out any of the following activities:

    - using explosives within 30m of gas pipes or 400m of gas pressure reduction equipment
    - piling or boring within 15m of gas plant
    - excavating within 10m of pressure reduction equipment
    - reducing the cover or protection of a gas pipe
    - carrying out nearby deep excavations
    - working near our intermediate pressure (IP) mains.

Precautions for Electricity Networks

23. Plans do not always show the presence of electric service cables (from the electricity main to premises) but their existence should be assumed.

24. In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried cable. Even if no cables are shown on plans or detected by a locator, there may still be cables present, which could be live and a close watch should be kept for any signs which could indicate their presence such as marker tape, tape tile, concrete tiles and wooden battens. Any marker which is disturbed by our excavations must be replaced once work is completed.

25. Typically underground cables are laid in trenches between 450mm and 1.0m deep, although some high voltage cables will be deeper, however, depths should never be assumed.

26. A cable is positively located only when it has been safely exposed. Even then, digging should still proceed with care as there may be other cables adjacent or lower down.

27. Occasionally, cables are terminated in the ground by means of a seal, sometimes with external mechanical protection. These "pot ended" or "bottle ended" cables should be treated as live and should not be assumed to be abandoned or disused. They can be difficult to detect with locators even when "live".

28. Using hand held power tools to break up hard surfaces often leads to accidents. Where practicable, such power tools should only be used 500mm or more away from the indicated line of a cable buried in or below a hard surface. Having done so, the cable should then be positively located by careful hand digging under the hard surface. The hard surface should be gradually removed until the cable is exposed. If the cable is not exposed then it must be assumed to be embedded within the surface. Where possible a cable locator should be used as a depth guide down the side of the excavation.

29. Because of the difficulty in confirming depth, hand held power tools should never be used over the cable unless either:

    - the cable has already been exposed by digging under the surface to be broken out and it is at a safe depth (at least 300mm) below the bottom of the hard surface material; or
    - physical precautions have been taken to prevent the tool striking the cable.

30. Excavating close to electricity cables buried in concrete is dangerous and should not be undertaken unless the cable(s) have been isolated. For this reason alone electricity cables should not be buried in concrete.

31. Using mechanical means to break up concrete can cause damage to cables and if the cable is live, anyone present is likely to be injured.

32. Where mechanical excavators are used in the possible vicinity of underground cables, the work should be arranged so that damage to cables is avoided so far as is reasonably practicable and so that everyone is kept well clear of the excavator bucket while it is digging. Drivers should have been instructed to stay in the cab if a cable is struck. If they have to leave the cab, they should jump clear. If drivers climb down, they may be electrocuted. When a cable is struck, a watch should be kept on the machine and no one should go down into the excavation or approach the mechanical excavator or the cable until GTC are contacted and arranged for the damaged cable to be made safe.

33. Where cables have been exposed:

    - any damage should be reported to GTC immediately on **0800 032 6990** and work should not be undertaken in the vicinity of a damaged cable until GTC has investigated its condition;
    - for more than 1.0m and they cross a trench, support should be provided. If the exposed cable length is shorter than 1.0m support should still be considered if joints have been exposed or the cable appears otherwise vulnerable to damage. Where advice and help is needed contact GTC;

- Suitable precautions should be taken to prevent damage from on-going work in the excavation. This may involve for example the use of physical means (e.g. timber boards, sandbags etc) to prevent mechanical damage. Materials or equipment which could damage or penetrate the outer sheath of the cable should not be used. Cables lying in the bottom of an excavation are particularly vulnerable and should be protected by nail free wooden planks, troughing or other suitable means;
- cables should not be moved aside unless the operation is supervised by GTC;
- Precautions should be taken to prevent access by members of the public.

34. GTC should be consulted if it is intended to carry out any of the following activities:
    - using explosives within 30m of plant or substations piling or boring within 15m of electric plant
    - excavating within 10m of a substation
    - carrying out nearby deep excavations
    - working near our HV plant.

Precautions for Water Networks

35. Plans do not always show the presence of water service pipes (from the water main to premises) but their existence should be assumed.

36. The depth of cover for water mains is normally 750mm in carriageways and grass verges and 750mn footways. The depth of cover for water services is normally 450mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.

37. Water mains should be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.

38. The danger created by damaging a water pipe with an excavator is much greater than if the damage is done with a hand-held power tool (the opposite is true for work near electricity cables and this is reflected in the different safe digging practices). Water pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators should not be used within 500mm of a water pipe.

39. If a water leak is suspected, the following action should be taken immediately:
    - Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building.
    - Shut down all working plant and machinery in the vicinity of the damage

- Inform IWNL by dialling **02920 028 711**.
- Remain on site.
- Do not attempt to make a repair.
- Assist GTC, approved contractors and Police or Fire Services as requested.

40. Where water pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the water pipe or cause excessive loading over the water pipe then GTC must be consulted.

41. No concrete or other hard material should be placed or left under or adjacent to any water pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a water pipe.

42. Where an excavation uncovers a water pipe with a damaged wrapping, GTC should be told, so that repairs can be made to prevent future corrosions and leakage.

43. Pipe restraints or thrust blocks close to water mains should never be removed.

44. Anyone who carries out work near underground water plant should observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to water pipes should be made.

45. Where PE pipes and cables have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.

46. GTC should be consulted if it is intended to carry out any of the following activities:
    - using explosives within 30m of plant
    - piling or boring within 15m of water plant
    - excavating within 10m of water asset structures
    - reducing the cover or protection of a water main or service
    - carrying out nearby deep excavations

Precautions for Fibre Networks

47. Plans may not always show the presence of fibre ducts but their existence should be assumed if GTC advise they have fibre services deployed in the given area. Any planned excavation work should only proceed with due care and attention.

48. Chambers with IFNL marked lids can be used as an onsite indictor that GTC have fibre plant deployed in a given area however an exclusion of their presence does not necessarily mean there is no plant present.

49. In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried fibre duct. Even if no ducts are shown on plans there may still be ducts present which could have live fibre service installed. A close watch should be kept for any signs which could indicate duct presence such as marker tape. Any marker which is disturbed by our excavations must be replaced once work is completed.

50. The depth of cover for fibre duct is normally 350mm in footways and grass verges, 600mm in carriageways and 1000mm in agricultural deployments. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.

51. Fibre ducts should be located by hand digging before mechanical excavation begins. When the positions and depth of the ducts have been determined, work can proceed. Even then, digging should still proceed with care as there may be other ducts adjacent or lower down.

52. If fibre duct damage is suspected, the following action should be taken immediately:

    - Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage at the point of impact. For example, damage to a fibre connection outside the building may result in further, unseen damage to the connection inside the building.
    - Shut down all working plant and machinery in the vicinity of the damage
    - Inform IFNL NOC immediately on **0845 051 1669**.
    - Remain on site.
    - Do not attempt to make a repair.

53. Where fibre ducts cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress on the duct. For ducts parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the duct from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the fibre duct or cause excessive loading over the fibre duct then GTC must be consulted.

54. No concrete or other hard material should be placed or left under or adjacent to any fibre duct as this can cause damage to the duct at a later date. Any backfill should comply with the requirements of NRSWA. Concrete backfill should not be used within 300mm of a fibre duct.

55. Anyone who carries out work near underground fibre plant should observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to fibre ducts should be made.

56. Where fibre ducts have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.

57. GTC should be consulted if it is intended to carry out any of the following activities:

- using explosives within 30m of plant or fibre asset structures
- piling or boring within 15m of fibre plant
- excavating within 10m of fibre asset structures (including the OSCP)
- reducing the cover or protection of a fibre duct
- carrying out nearby deep excavations

Liam English

From: Plant Enquiries <plantenquiries@energetics-uk.com>
Sent: 19 March 2018 09:21
To: Liam English
Subject: RE: Plant Enquiry - Land off Horndean Road SI

Dear Sir/Madam,

Thank you for submitting your recent plant enquiry.

Based on the information provided, I can confirm that Energetics **does not** have any plant within the area(s) specified in your request.

If you require further assistance with outstanding enquiries, please call 03300 587 443.

Please ensure all plant enquiries are sent to plantenquiries@energetics-uk.com

Regards

Plant Enquiries

E: plantenquiries@energetics-uk.com
W: www.energetics-uk.com

energetics
WE DESIGN • WE BUILD • WE CONNECT

From: Liam English [redacted]
Sent: 15 March 2018 15:23
To: Plant Enquiries <plantenquiries@energetics-uk.com>
Subject: Plant Enquiry - Land off Horndean Road SI

Dear Plant Enquiries,

Please search the following location for your plant:

Land off Horndean Road, Emsworth, PO10 7PU

[474399,106878]

A location plan (2 pages) showing the search area is attached. If you have plant within the search area or close to the boundary please provide record drawings, ideally by email attachment. Please provide your information as soon as possible.

Many thanks.

Kind regards,

Liam English

From: Kumar, Krishnaraj <[redacted]
Sent: 16 March 2018 12:55
To: Liam English
Subject: RE: Plant Enquiry - Land off Horndean Road SI

Please accept this email as confirmation that Vodafone: Fixed **does not** have apparatus within the vicinity of your proposed works detailed below.

Many thanks.

Plant Enquiries Team
T: +44 (0)1454 662881
E: osm.enquiries@atkinsglobal.com

ATKINS working on behalf of Vodafone: Fixed

This response is made only in respect to electronic communications apparatus forming part of the Vodafone Limited electronic communications network formerly being part of the electronic communications networks of Cable & Wireless UK, Energis Communications Limited, Thus Group Holdings Plc and Your Communications Limited.

PLEASE NOTE:

The information given is indicative only. No warranty is made as to its accuracy. This information must not be solely relied upon in the event of excavation or other works carried out in the vicinity of Vodafone plant. No liability of any kind whatsoever is accepted by Vodafone, its servants, or agents, for any error or omission in respect of information contained on this information. The actual position of underground services must be verified and established on site before any mechanical plant is used. Authorities and contractors will be held liable for the full cost of repairs to Vodafone's apparatus and all claims made against them by Third parties as a result of any interference or damage.

IMPORTANT - PLEASE READ -
Diversionary works may be necessary if the existing line of the highway/railway or its levels are altered, where apparatus is affected. Where apparatus is affected and requires diversion, you must submit draft details of the proposed scheme with a request for a 'C3 Budget Estimate' to c3requests@vodafone.com These estimates should be provided by Vodafone normally within 20 working days from receipt of your request. Please include proof of this C2 response when requesting a C3 (using the 'forward' option).

Please consider the environment before printing this e-mail

From: Liam English [redacted]
Sent: 15 March 2018 22:07
To: National Plant Enquiry's <OSM.enquiries@atkinsglobal.com>
Subject: FW: Plant Enquiry - Land off Horndean Road SI

Dear Plant Enquiries,

transaction ID is: 0PF634392J0239910

Please search the following location for your plant:

Land off Horndean Road, Emsworth, PO10 7PU

[474399,106878]

Liam English

From: Plantenquiries <plantenquiries@catelecomuk.com>
Sent: 27 March 2018 10:04
To: Liam English
Subject: RE: Plant Enquiry - Land off Horndean Road SI

Please Note: Our search criteria has changed. We previously searched for Colt Network which was within 200 metres, this has now changed to 50 metres. The negative response will be for all enquiries that the network is 50 metres or more away from the place of enquiry.

Dear Sir/Madam,

Thank you for your enquiry for the above reference.

We can confirm that Colt Technology Services do not have apparatus near the above location as presented on your submitted plan, if any development or scheme amendments fall outside the 50 metre perimeter new plans must be submitted for review.

Search is based on Overseeing Organisation Agent data supplied; we do not accept responsibility for O.O. Agent inaccurate data.

If we can be of any further assistance please do not hesitate to contact us.

Kind regards,

Plant Enquiry Team

C.A. TELECOM UK LIMITED

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From: Liam English[redacted]
Sent: 15 March 2018 15:24
To: Plantenquiries <plantenquiries@catelecomuk.com>
Subject: Plant Enquiry - Land off Horndean Road SI

Liam English

From: KPN Plant Enquiries <kpn.plantenquiries@instalcom.co.uk>
Sent: 16 March 2018 14:21
To: Liam English
Subject: RE: K03-18- 1242 Plant Enquiry - Land off Horndean Road SI

Dear Sir or Madam,

With reference to your plant enquiry below, we can confirm that KPN do not have any apparatus within the immediate proximity of your proposed works.

If you require any further information, please do not hesitate to contact us.

Please note that this response is only valid for 3 months. If your works do not commence within this time period, please resubmit your plant enquiry for assessment before any works commence.

Regards

Plant Enquiries Dept
Instalcom Limited
Borehamwood Ind. P[redacted]
Rowley Lane
Borehamwood
WD6 5PZ

Office: +44 (0)208 731 4613
Fax: +44 (0)208 731 4601
Email: kpn.plantenquiries@instalcom.co.uk
Web: http://www.instalcom.co.uk

From: Liam English [redacted]
Sent: 15 March 2018 15:23
To: KPN Plant Enquiries <kpn.plantenquiries@instalcom.co.uk>
Subject: Plant Enquiry - Land off Horndean Road SI

Liam English

From: Harris Jones, Tabitha (NRSWA Administrator) [redacted]
Sent: 16 March 2018 09:56
To: Liam English
Subject: Plant Enquiry - Land off Horndean Road SI

Thank you for your enquiry.

Please be advised that Sky Telecommunications Services Ltd will not be affected by your proposal.

Best endeavours have been made to ensure accuracy, however if you require further information, please contact us by email at nrswa@sky.uk.

Regards

NRSWA Department
Tech UK - Implementation
sky | TECHNOLOGY
nrswa@sky.uk +44 20703232234

From: Liam English [redacted]
Sent: 15 March 2018 15:24
To: NRSWA <nrswa.nrswa@sky.uk>
Subject: Plant Enquiry - Land off Horndean Road SI

Dear Plant Enquiries,

Please search the following location for your plant:

Land off Horndean Road, Emsworth, PO10 7PU

[474399,106878]

A location plan (2 pages) showing the search area is attached. If you have plant within the search area or close to the boundary please provide record drawings, ideally by email attachment. Please provide your information as soon as possible.

Many thanks.

Kind regards,

Liam English

From: Interoute Enquiries <interoute.enquiries@plancast.co.uk>
Sent: 16 March 2018 09:24
To: Liam English
Subject: RE: Plant Enquiry - Land off Horndean Road SI

This response does not include Vtesse plant, please continue to use Vtesse details for their enquiries

To whom it may concern

Thank you for your enquiry regarding the above proposals at the above location

We would advise that we are unaware of any Interoute plant or services in this Location as indicated in your enquiry.

We bring to your attention the fact that whilst we try to ensure the information we provide is accurate, the information is provided Without Prejudice and Interoute and its Agents accept no liability for claims arising from any inaccuracy, omissions or errors contained in this response.

All responses are only vaild for 28 days

Yours faithfully

PLAN*CAST* Plant Enquiry Department

The Old Haybarn
Rosebery Mews, Mentmore
Bedfordshire LU7 0UE

T: 01296 662647
www.plancast.co.uk

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Registered office: 1st Floor, The Old Haybarn, Rosebery Mews, Mentmore LU7 0UE
Registered in England and Wales with number 4455025 VAT No. 8567 195 80

From: Liam English [redacted]
Sent: 15 March 2018 15:24
To: Interoute Enquiries <interoute.enquiries@plancast.co.uk>
Subject: Plant Enquiry - Land off Horndean Road SI

Liam English

From: Plantenquiries <Plantenquiries@instalcom.co.uk>
Sent: 21 March 2018 09:47
To: Liam English
Subject: RE: E03-18-3654 Plant Enquiry - Land off Horndean Road SI

Dear Sir or Madam,

Thank you for your plant enquiry below.

We can confirm that CenturyLink Communications UK Limited (formerly Level 3), Global Crossing (Uk) Ltd, Global Crossing PEC, Fibernet UK Ltd and Fibrespan Ltd do not have any apparatus within the indicated works area.

Instalcom responds to plant enquiries for all of the above and therefore you only need send one plant enquiry to cover all of these companies.

Please note that this response is only valid for 3 months. If your works do not commence within this time period, please resubmit your plant enquiry for assessment before any works commence.

Regards

Plant Enquiries Dept
Instalcom Limited
Borehamwood Ind. Park
Rowley Lane
Borehamwood
WD6 5PZ

Office: +44 (0)208 731 4613
Fax: +44 (0)208 731 4601
Email: plantenquiries@instalcom.co.uk
Web: http://www.instalcom.co.uk

INSTALCOM

From: Liam English [redacted]
Sent: 15 March 2018 15:24
To: Plantenquiries <Plantenquiries@instalcom.co.uk>
Subject: Plant Enquiry - Land off Horndean Road SI

Dear Plant Enquiries,

Please search the following location for your plant:

Liam English

From: UK OSP-Team <osp-team@uk.verizon.com>
Sent: 16 March 2018 07:51
To: Liam English
Cc: UK OSP-Team
Subject: RE: Plant Enquiry - Land off Horndean Road SI

Dear Sir/Madam

Verizon is a licensed Statutory Undertaker.

We have reviewed your plans and have determined that Verizon (Formally known as MCI WorldCom, MFS) has no apparatus in the areas concerned.

If you have any further queries please do not hesitate to get in touch.

Yours faithfully

Plant Protection Officer (GB) Email osp-team@uk.verizon.com

From: Liam English [redacted]
Sent: 15 March 2018 15:24
To: UK OSP-Team
Subject: Plant Enquiry - Land off Horndean Road SI

Dear Plant Enquiries,

Please search the following location for your plant:

Land off Horndean Road, Emsworth, PO10 7PU

[474399,106878]

A location plan (2 pages) showing the search area is attached. If you have plant within the search area or close to the boundary please provide record drawings, ideally by email attachment. Please provide your information as soon as possible.

Many thanks.

Kind regards,

Liam English

From: Interoute Plant Enquiries <do-not-reply@interoute.com>
Sent: 16 March 2018 09:18
To: Liam English
Subject: Your Interoute (Vtesse) Plant Enquiries order from 15th March 2018 is complete

Your order is complete

Your recent order on Interoute (Vtesse) Plant Enquiries has been completed. No results were found in the specified search criteria. Your order details are shown below for your reference:

Order #33661

Product	Quantity	Price
Standard Enquiry Search Radius: 250m Urgent Request: No Address: Land off Horndean RoadHorndean RoadEmsworth, . PO10 7PUUnited KingdomMap It Eastings: 474512 Northings: 106834 Description: . Reason for Enquiry: New Development. Commercial Supporting Documentation: ["https://plant.interoute.com/wp-content/uploads/gravity_forms/2-ef3c1fd00acb16b354efe70e960ec381/2018/03/location-plan34.pdf"] Your Reference: 603669 - Land off Horndean Road	1	£55.00
Subtotal:		£55.00
VAT:		£11.00
Payment Method:		Credit Card via SagePay
Total:		£66.00

Your details

telent
Mayne House
Fenton Way
Basildon
Essex
SS15 6TD
United Kingdom

Telephone: +44 (0)800 526 015

www.**telent**.com

Date 29/03/2018
Our Ref OSA180329

Dear Sir/Madam

Teliasonera Line Plant Enquiry.

Thank you for your correspondence enclosing details of your proposals as per your reference below.

Land off Horndean Road, Emsworth

Our client's apparatus, Teliasonera, is not located within the vicinity of the above reference and we therefore have no further interest in this current location.

Please note that all enquiries relating to the Teliasonera line plant should be forwarded to:

By post – to, telent,
Teliasonera line plant enquiries,
Mayne House,
Fenton Way,
Basildon,
Essex
SS15 6TD

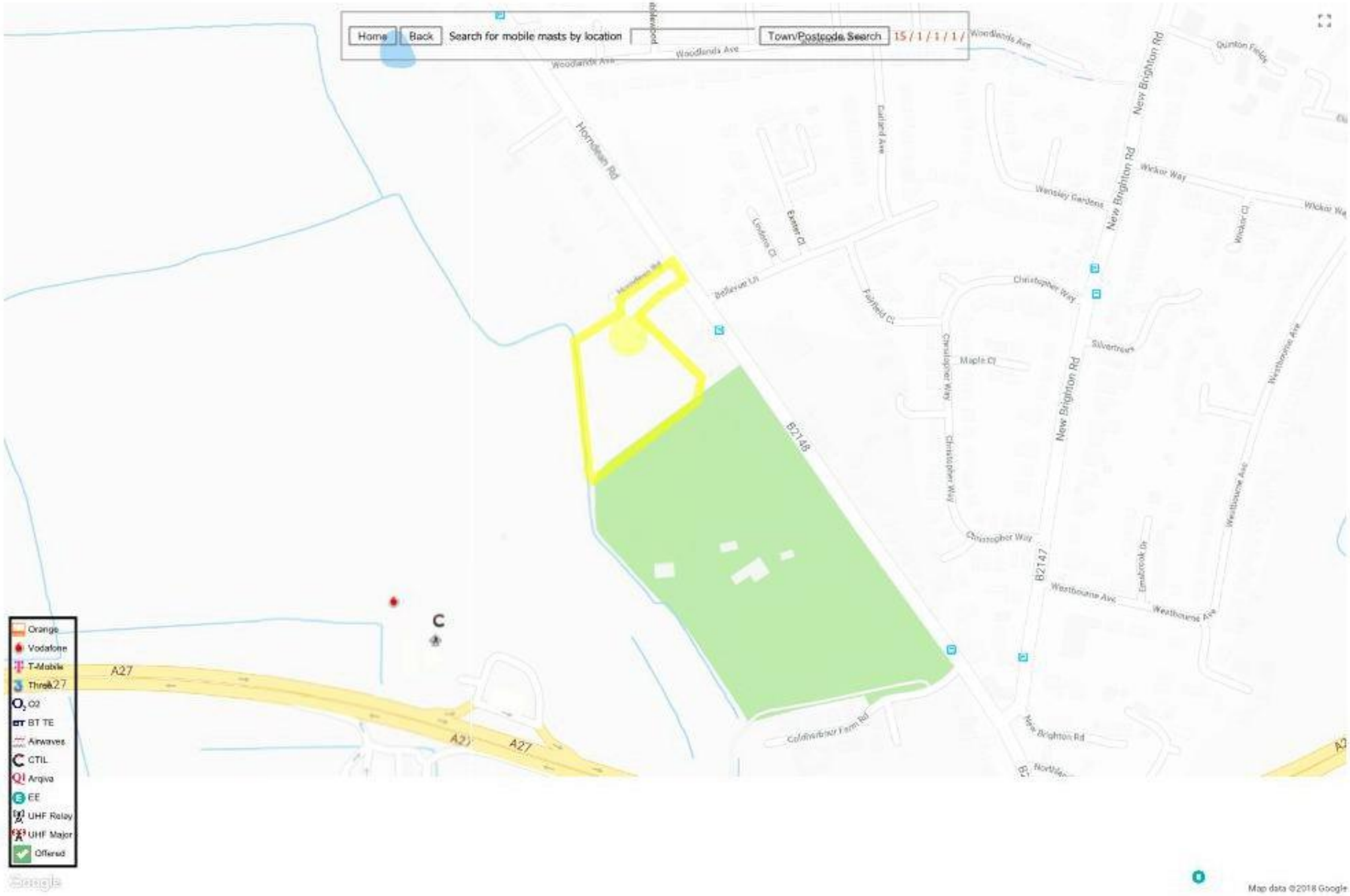
By email - to, telenttelia.plantenquiries@telent.com

By phone – to, 01268 412670

Yours faithfully

Telent CCO

Basildon


Home
Back
Search for mobile masts by location
Town/Postcode Search
15 / 1 / 1 / 1 /
Woodlands Ave
Horndean Rd
Bellevue Ln
Exeter Ct
London Ct
Earland Ave
Fairfield Ct
Christopher Way
Maple Ct
Silvertree
New Brighton Rd
Quinton Fields
Wensley Gardens
Wicker Way
Wicker Ct
Westbourne Ave
Embrook Dr
B2147
A27
Coldharbour Farm Rd
Orange
Vodafone
T-Mobile
Three
O2
BT TE
Airwaves
CTIL
Arqiva
EE
UHF Relay
UHF Major
Offered
Map data ©2018 Google

Enquiry Confirmation

LSBUD Ref: 12435406

Date of enquiry: 15/03/2018
Time of enquiry: 15:29

Enquirer

Name	Mr Liam English	Phone	01403 740241
Company	Premier Energy Services Ltd	Mobile	Not Supplied
		Fax	Not Supplied
Address	Premier House Daux Road Billingshurst West Sussex RH14 9SJ		
Email	liam.english@premierenergy.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	603669 - Land off Horndean Road		
Enquiry type	Initial Enquiry	Work category	Development Projects
Start date	16/03/2018	Work type	Housing
End date	28/04/2018	Site size	20581 metres square
Searched location	XY= 474512, 106834	Work type buffer*	25 metres
Confirmed location	474519 106827		

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

Site Map

V3.3.2

Contains Ordnance Survey data © Crown copyright and database right 2016

Enquiry Confirmation

LSBUD Ref: 12435406

Date of enquiry: 15/03/2018
Time of enquiry: 15:29

Asset Owners

Terms and Conditions. Please note that this enquiry is subject always to our standard terms and conditions available at www.linesearchbeforeudig.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 LinesearchbeforeUdig 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 7 bar asset, all National Grid Electricity Transmission assets and National Grid's Gas Distribution Limited above 2 bar asset.

For National Grid Gas Distribution Ltd below 2 bar asset information please go to www.beforeyoudig.nationalgrid.com

Linesearch before U dig

Enquiry Confirmation

LSBUD Ref: 12435406

Date of enquiry: 15/03/2018
Time of enquiry: 15:29

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

List of affected LSBUD members			
Asset Owner	Phone/Email	Emergency Only	Status
SGN	08009121722	0800111999	Await response

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 and this list may vary for new enquiries in the same area.

List of not affected LSBUD members		
AWE Pipeline	Gateshead Energy Company	Prysmian Cables & Systems Ltd (c/o Western Link)
BOC Limited (A Member of the Linde Group)	Gigaclear PLC	Redundant Pipelines - LPDA
BP Exploration Operating Company Limited	Gtt	RWEnpower (Little Barford and South Haven)
BPA	Humbly Grove Energy	SABIC UK Petrochemicals
Carrington Gas Pipeline	IGas Energy	Scottish Power Generation
CATS Pipeline c/o Wood Group PSN	INEOS FPS Pipelines	Seabank Power Ltd
Cemex	INEOS Manufacturing (Scotland and TSEP)	Shell (St Fergus to Mossmorran)
Centrica Storage Ltd	INOVYN Enterprises Limited	Shell Pipelines
CLH Pipeline System Ltd	Intergen (Coryton Energy or Spalding Energy)	SSE (Peterhead Power Station)
Concept Solutions People Ltd	Mainline Pipelines Limited	Tata Communications (c/o JSM Construction Ltd)
ConocoPhillips (UK) Ltd	Manchester Jetline Limited	Total (Colnbrook & Colwick Pipelines)
DIO (MOD Abandoned Pipelines)	Manx Cable Company	Total Finaline Pipelines
E.ON UK CHP Limited	Marchwood Power Ltd (Gas Pipeline)	Transmission Capital
EirGrid	Melbourn Solar Limited	UK Power Networks
Electricity North West Limited	National Grid Gas (Above 7 bar), National Grid Gas Distribution Limited (Above 2 bar) and National Grid Electricity Transmission	Uniper UK Ltd
ENI & Himor c/o Penspen Ltd	Northumbrian Water Group	Vattenfall
EnQuest NNS Limited	NPower CHP Pipelines	Veolia ES SELCHP Limited
EP Langage Limited	Oikos Storage Limited	Western Power Distribution
ESP Utilities Group	Ørsted	Westminster City Council
ESSAR	Perenco UK Limited (Purbeck Southampton Pipeline)	Wingas Storage UK Ltd
Esso Petroleum Company Limited	Petroineos	Zayo Group UK Ltd c/o JSM Group Ltd
Fulcrum Pipelines Limited	Phillips 66	
Gamma	Premier Transmission Ltd (SNIP)	

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Enquiry Confirmation

LSBUD Ref: 12435406

Date of enquiry: 15/03/2018
Time of enquiry: 15:29

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
CenturyLink Communications UK Limited	plantenquiries@instalcom.co.uk	02087314613	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-gdfsuez.com	01293 549944	Not Notified
GTC	https://pe.gtc-uk.co.uk/PlantEnqMembership	01359240363	Not Notified
Interoute	interoute.enquiries@plancast.co.uk	02070259000	Not Notified
KPN (c/-Instalcom)	kpn.plantenquiries@instalcom.co.uk	n/a	Not Notified
Mobile Broadband Network Limited	mbnl.plant.enquiries@turntown.com	01212 621 100	Not Notified
Portsmouth Water	asset.enquiries@portsmouthwater.co.uk	02392449082	Not Notified
Scottish and Southern Energy	asset.data@sse.com	01256337294	Not Notified
Sky UK Limited	nrswa@sky.uk	02070323234	Not Notified
Sota	SOTA.plantenquiries@instalcom.co.uk		Not Notified
Southern Water	searches@southernwater.co.uk	08452700212	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://plant.interoute.com/plant-enquiries/	01992532100	Not Notified

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