



## Hamble Airfield

**Satchell Lane  
Hamble-le-Rice  
Southampton  
SO31 4HP**

**21/08/2018**

PROJECT NO.

**604268**

ISSUE NO.

**1**

STATUS

**For Information**

# Introduction

**This report assesses the potential constraints presented by the existing utility infrastructure both within the boundary and in the vicinity of the search area.**

The report is based on the information provided by the client about the location of the search area and the information provided by the utilities about their existing plant and networks. The information contained in this report is based on desk research only.

## What is a utility constraint?

We use the term constraint to indicate that there may be limitations or prohibitions on designs and planned works due to the presence of utility apparatus. To overcome these can be costly and time-consuming. Depending on the legal rights and statutory powers of the utility the costs may have to be borne by the applicant/developer.

## Report interpretation

We have developed a simple traffic light mechanism to present site constraints based on a red/amber/green evaluation;



Red – site constraints exist due to the presence of utility apparatus.



Amber – site constraints may exist due to the proximity of utility apparatus.



Green – site constraints do not appear to exist.

This report confirms to QL-D of PAS 128:2014 - Specification for Underground Utility Detection, Verification and Location. To obtain further detail on utility locations consider site reconnaissance (QL-C), detection (QL-B) and verification (QL-A) as recommended under 'Important Information'.

Prepared by

Signed off by

Cecilie Lorentsen

Martin Darlison



Cert No 6206  
ISO 9001



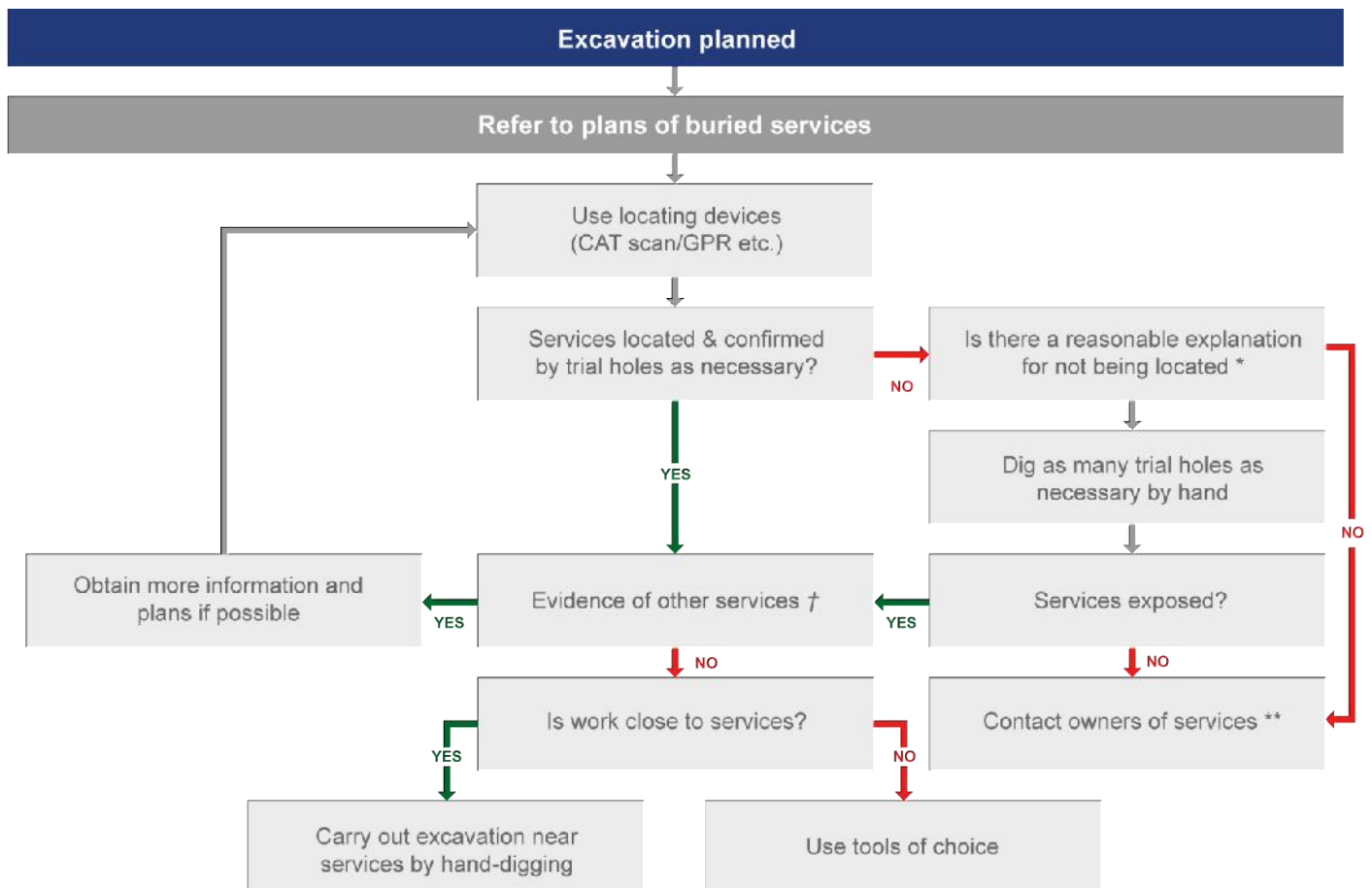
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# Important Information

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.



# 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.



# Enclosures

Type	Company	In Vicinity	Desk Research	Awaiting Response
Electricity	SSE Networks			
Water	Southern Water			
Drainage	Southern Water			
Gas	SGN			
Openreach	Openreach (formerly BT)			
Virgin Media	Virgin Media			
Independents	GTC			
	Energetics			
Comms.	Vodafone Ltd			
	Colt			
	KPN			
	SKY Telecommunications			
	Interoute			
	SOTA		✓	
	Instalcom (multiple co's)			
	Verizon			
	Vesse Networks (Not Requested by Client)			
	TeliaSonera			
	euNetworks		✓	
	SSE Telecoms		✓	
CityFibre		✓		



	Mast Data		
<b>Tunnels &amp; Pipelines</b>	LinesearchbeforeUdig (CLH Pipelines, DIO (MOD Abandoned Pipelines), ESP & Esso in Vicinity, SGN, see Gas)		
	BT Deep Level Tunnels		✓
	Thames Water Ring Main		✓
	Thames Tunnel		✓
	Post Office Tunnels		✓
<b>Transport</b>	Docklands Light Railway		✓
	London Underground		✓
	LUL HV Power Assets		✓
	Crossrail		✓
	Network Rail		
	Transport for London		✓
	Trafficmaster		✓



# Optional Searches

## Vtesse Networks

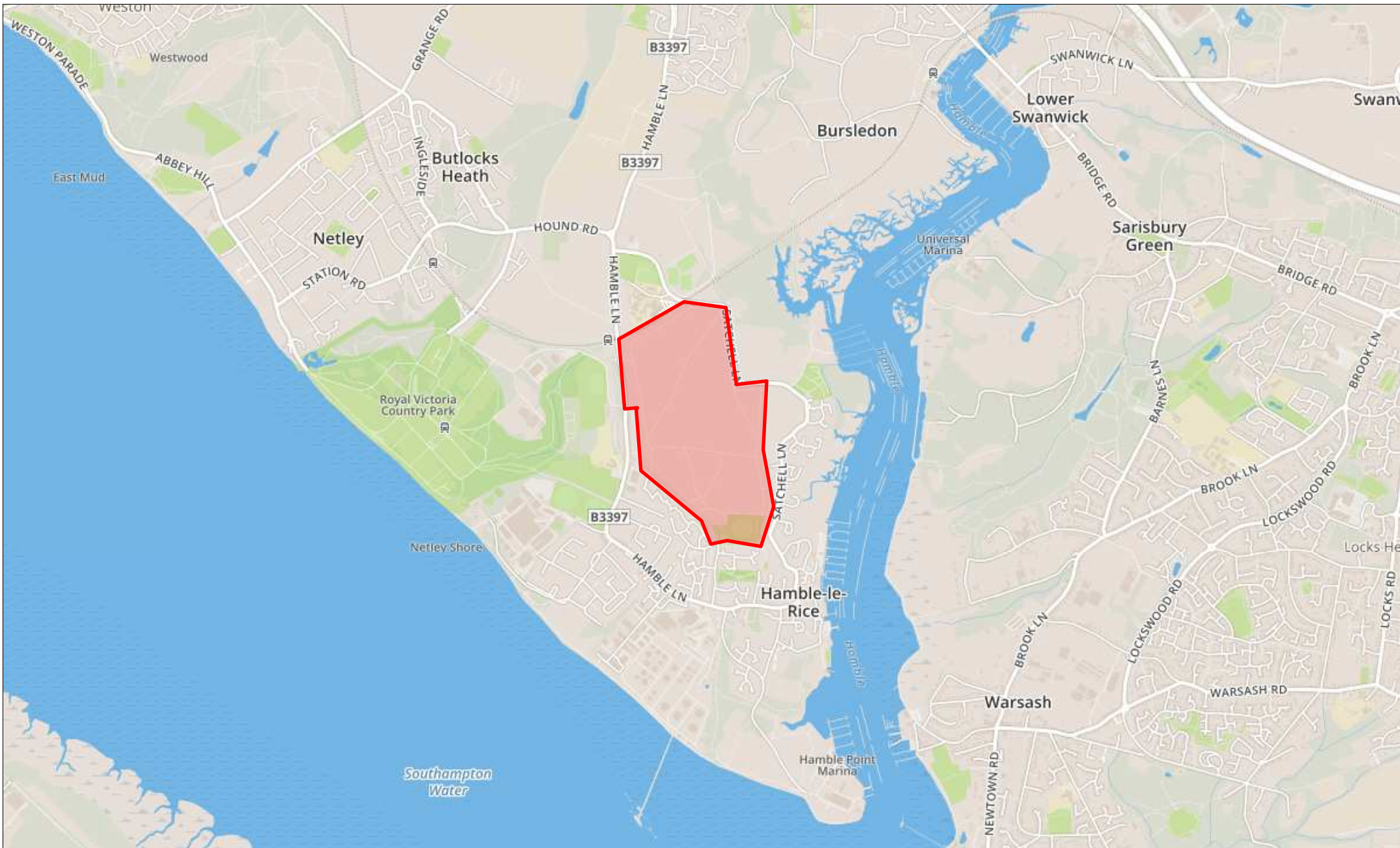
You have chosen not to include a Vtesse enquiry in your search. We find that Vtesse are in vicinity in less than 1% of enquiries and that their charge is disproportionate to the risk of making the enquiry. Please contact us if you wish to have Vtesse searched regardless at an additional charge.



# 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





Request Ref: 503899

Hamble Airfield, Satchell Lane, Hamble-le-Rice, Southampton,  
SO31 4HP  
**Eastings 447815, Northings 107750**

Imagery sourced from Open Street Maps



<b>Project No:</b>	604268
<b>Date:</b>	05/07/2018
<b>Client:</b>	ESI (Shrewsbury)
<b>Site:</b>	Hamble Airfield

<b>Postcode:</b>	SO31 4HP	
<b>OS Ref:</b>	SU 47814 07750	
<b>National Grid Ref:</b>	Easting: 447814	Northing: 107750

**UTILITIES**

<b>OPENREACH &amp; DEEP LEVEL TUNNELS</b>			<b>SIGNED</b>
Asset map requested?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	CL
Is the Openreach plan marked with hatching in the vicinity of the site?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
If yes, email enquiry to Openreach	Sent <input type="checkbox"/>		
Broadband check made (USIR only)?	Yes <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	

<b>GAS NETWORK</b>			<b>SIGNED</b>
GT and IGT asset maps requested?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	CL

<b>VIRGIN MEDIA</b>			<b>SIGNED</b>
Asset map requested?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	CL

**COMMUNICATIONS**

<b>SOTA</b>			<b>SIGNED</b>
Is the site in Kent?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	CL
If yes, email enquiry to McNicholas	Sent <input type="checkbox"/>		

<b>KCOM</b>			<b>SIGNED</b>
Is the site in the vicinity of Hull?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	CL
If yes, email enquiry to KCOM	Sent <input type="checkbox"/>		

<b>SSE TELECOMS</b>			<b>SIGNED</b>
Is the site in the vicinity of SSE Telecoms?	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>	CL
If yes, print asset map	Done <input checked="" type="checkbox"/>		

<b>CITYFIBRE</b>			<b>SIGNED</b>
Is the site in the vicinity of CityFibre?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	CL
If yes, enquiry to CityFibre	Done <input type="checkbox"/>		

<b>MAST DATA</b>			<b>SIGNED</b>
Is the site in the vicinity of a base station?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	CL
If yes, print details of base station	Done <input type="checkbox"/>		

**TUNNELS & PIPELINES**

<b>LINESEARCH</b>			<b>SIGNED</b>
Linesearch confirmed plant in vicinity?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	CL
If yes, send enquiry to plant operator	Sent <input checked="" type="checkbox"/>		

# DESK RESEARCH



<b>THAMES WATER RING MAIN</b> Is the site in the vicinity of the TWU Ring Main? If yes, ensure TWU asset map shows Ring Main	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	SIGNED <i>CL</i>
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<b>THAMES TUNNEL</b> Is the site in the vicinity of any planned works? If yes, print details	Yes <input type="checkbox"/> Done <input type="checkbox"/>	No <input checked="" type="checkbox"/>	SIGNED <i>CL</i>
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## TRANSPORT

<b>NETWORK RAIL</b> 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 <input checked="" type="checkbox"/> Sent <input checked="" type="checkbox"/>	No <input type="checkbox"/>	SIGNED <i>CL</i>
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<b>CROSSRAIL</b> Is the site in the vicinity of Crossrail? If yes, email enquiry to Crossrail	Yes <input type="checkbox"/> Sent <input type="checkbox"/>	No <input checked="" type="checkbox"/>	SIGNED <i>CL</i>
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<b>TRAFFICMASTER</b> Is the site adjacent to a Trafficmaster installation? If yes, email enquiry to Trafficmaster	Yes <input type="checkbox"/> Sent <input type="checkbox"/>	No <input checked="" type="checkbox"/>	SIGNED <i>CL</i>
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## GREATER LONDON      YES NO

<b>euNETWORKS</b> Is the site in the vicinity of euNetworks plant? If yes, email enquiry to euNetworks	Yes <input type="checkbox"/> Sent <input type="checkbox"/>	No <input type="checkbox"/>	SIGNED
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If site is within a Greater London Borough, send enquiries to: <b>TRANSPORT FOR LONDON</b> <b>LUL HV POWER ASSETS</b> <b>LONDON UNDERGROUND</b> Check enquiry area, send if required	Sent <input type="checkbox"/> Sent <input type="checkbox"/> Sent <input type="checkbox"/> N/A <input type="checkbox"/>	SIGNED
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## INNER LONDON      YES NO

<b>DOCKLANDS LIGHT RAIL</b> Is the site close to the DLR? If yes, email enquiry to DLR	Yes <input type="checkbox"/> Sent <input type="checkbox"/>	No <input type="checkbox"/>	SIGNED
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<b>POST OFFICE TUNNELS</b> Is the site close to the tunnels? If yes, only piling or similar depth works will affect plant	Yes <input type="checkbox"/>	No <input type="checkbox"/>	SIGNED
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## 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](http://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. 0800 072728 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.

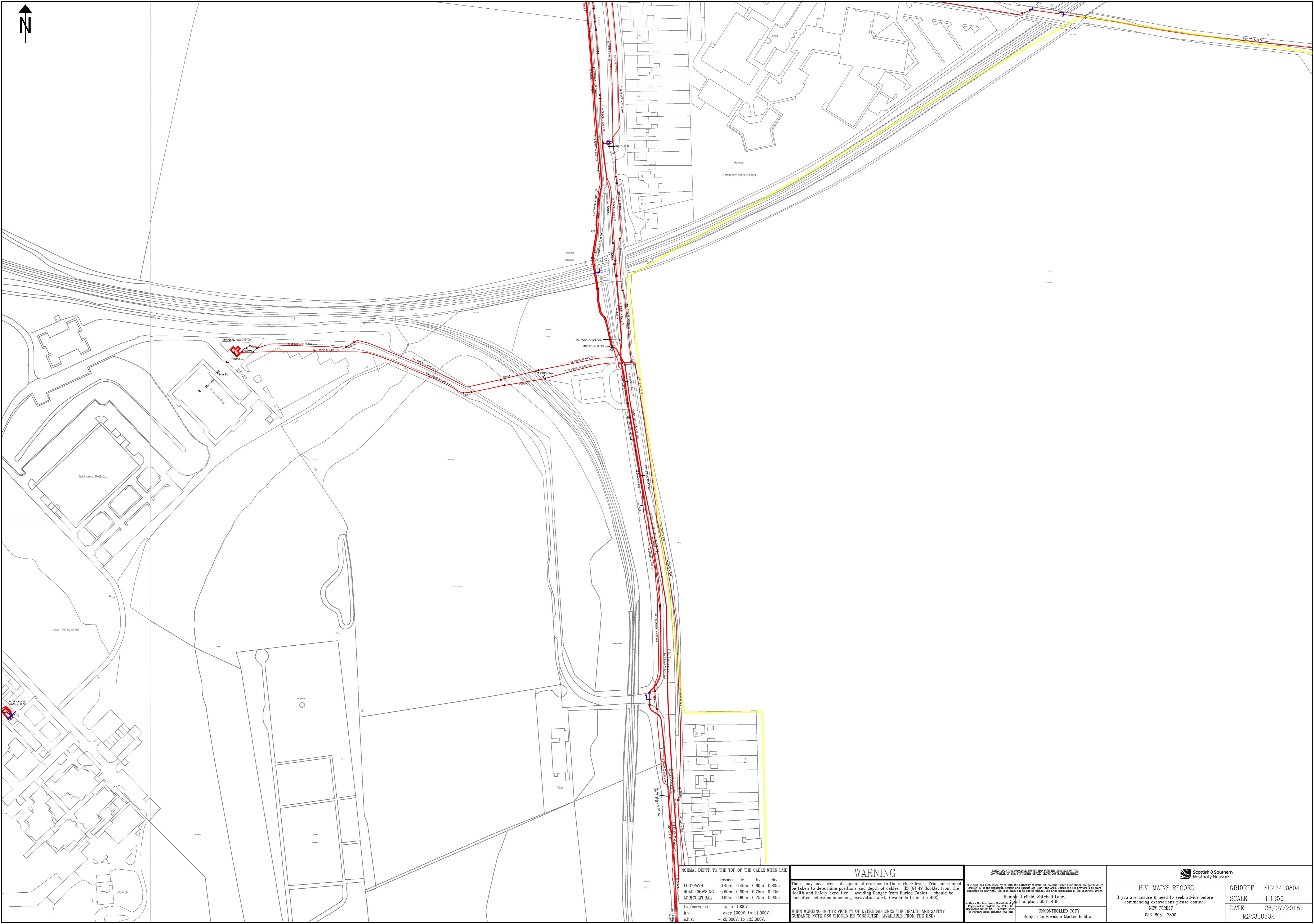
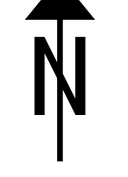
### **Always remember that:**

- 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 lv	lv	lv	ehv
FOOTPATH	0.45m	0.45m	0.60m	0.80m
ROAD CROSSING	0.60m	0.60m	0.75m	0.90m
AGRICULTURAL	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. BS (C) 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 G36 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)

BASED UPON THE OVERHEAD SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF L.A. STATUTORY OFFICE. OTHER COPIES AVAILABLE.

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Registered in England to 020200  
Registered Office: 1, Pompey Place, 43 Factory Road, Basing, SO1 3HJ



H.V. MAINS RECORD

If you are unsure & need to seek advice before commencing excavations please contact  
NEW FOREST  
023-8081-7300

GRIDREF: SU47400804

SCALE: 1:1250

DATE: 26/07/2018

MSS330832

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