

Technics
Geospatial Surveyors

Underground Utility Report

Desktop Subsurface Utility Report

Site Address: Merrow Business Park
Merrow Lane
Guildford
Surrey
GU4 7WA

Grid Ref: 502542,151858

Our Ref: SP16677

Client: Mr A Client
Example Company
Example Road
Example Town
Example County
AB1 1AB

Search Date: 13th September 2016



Technics House, Merrow Business Park, Guildford, Surrey, GU4 7WA
Technics Group is the trading name of Sitechnics Limited & Subtechnics Limited



UTILITY REPORT CONTENT & INFORMATION

1. Purpose of Utilities Report

The Utilities Report is intended to be for project planning and feasibility only. It is not suitable to be used for construction or excavation purposes. The existence of utilities on the plans does not imply that they are suitable in size, capacity, type or location for the project purpose. The Utility Companies should be contacted directly for clarification in this regard.

2. Compilation of the Utilities Report

The Utilities Report is a compilation of Utility Company record plans. These are obtained via application to the Utility Companies following a geographic search to determine which Companies are in a given area. The data is provided by the Utility Companies in a variety of formats including faxed plans, pdf files, digital drawing files and paper drawings. They are all converted to pdf files for inclusion in the report. The quality of the plans therefore varies. A quality assured process is followed for each report. This requires that it is checked at different stages during the process before being subjected to a final assessment prior to issue.

3. Limitations and Accuracy of the data

Each Utility Company has its own disclaimer statement in respect of the information they provide. They do not guarantee or provide a warranty for the data. The Utility Company disclaimers should be referred to when considering the accuracy and completeness of the data. Generally the plans provided are for guidance only and are not guaranteed to be up to date or to be a complete record of the Utility Company plant in a given area.

Some Utility Companies only show main utilities. Therefore service pipes or cables may not be shown on the plans but they may be present on the site.

Some Utility Companies state that the utilities may deviate from the route and position shown on the plans.

Due to the time delay between installation of, or repair or upgrading of utilities and the subsequent updating of the Utility Companies plans, it should be noted that there could be utilities present that are not shown on the plans.

The user shall make further enquires and investigations to satisfy himself as to the adequacy of the plans and position of the utilities. The exact position of the utilities should be verified by the use of suitable detecting devices and safe digging practices in accordance with HS(G)47. Further advice on the location of the utilities should be requested from the owner.

4. Completeness

Whilst every effort is made to locate all Utility Companies in a given area, due to the sensitive or restrictive nature of certain sites, the existence of redundant utilities, the emergence of new companies and the combining of, takeover or sale of existing Companies, we cannot guarantee to provide details on all utilities in a given area.

5. Date

Due to the Utility Companies plans being regularly changed and updated, the Utility Report is only valid at the time of production.

6. Liability

For the reasons given in 1 – 5 above Subtechnics Limited cannot accept any liability for or offer any guarantees for the report or the content. No representation is made by Subtechnics Limited as to the accuracy, completeness, and sufficiency or otherwise of this report.

7. Copyright

The copyright of the Utilities Report remains with Subtechnics Limited and may not be copied nor communicated using any method either in whole or in part without the prior written consent of Subtechnics Limited.

8. Assignment

The Utility Report cannot be assigned to any other party without the prior written consent of Subtechnics Limited.

Terms and Conditions

The Terms and Conditions should be read in conjunction with the 'Report Content & Information' sheet. The content of the 'Report Content & Information' sheet forms part of the Terms and Conditions.

1. Disbursements

- 1.1 Several Utility Companies charge for either searching to determine if they have any plant or for providing plans. The details of the charges are contained in the disbursement table. They are charged to the client at cost.
- 1.2 The Utility Companies that make a charge or the charges themselves may be changed or updated without notification to the client.

2. Turnaround times

- 2.1 Whilst every effort is made to produce the reports as quickly as possible we are reliant on the Utility Companies to provide us with the plans and/or data. Generally reports are completed within approximately 15 to 20 working days.
- 2.2 No guarantees can be made regarding the time taken to complete the report.

3. Limitation of Liability

- 3.1 Subtechnics Limited will make all reasonable endeavors to provide the Utility Report within the stated time period and shall not be liable for any delay arising because of any act, omission or delay of any Utility Company.
- 3.2 The Utility Companies have no liability to Subtechnics Limited in relation to the provision of information, plans and/or data or the omission of or to provide such information, plans or data. Therefore Subtechnics Limited shall have no liability to a Client for the information, plans and data contained in a Utilities Report.
- 3.3 Subtechnics Limited shall have no liability in relation to any Utilities Report for loss or damage arising in relation to loss of profits, loss of business, loss of use, costs, damages, charges or expenses.

4. Cancellation Policy

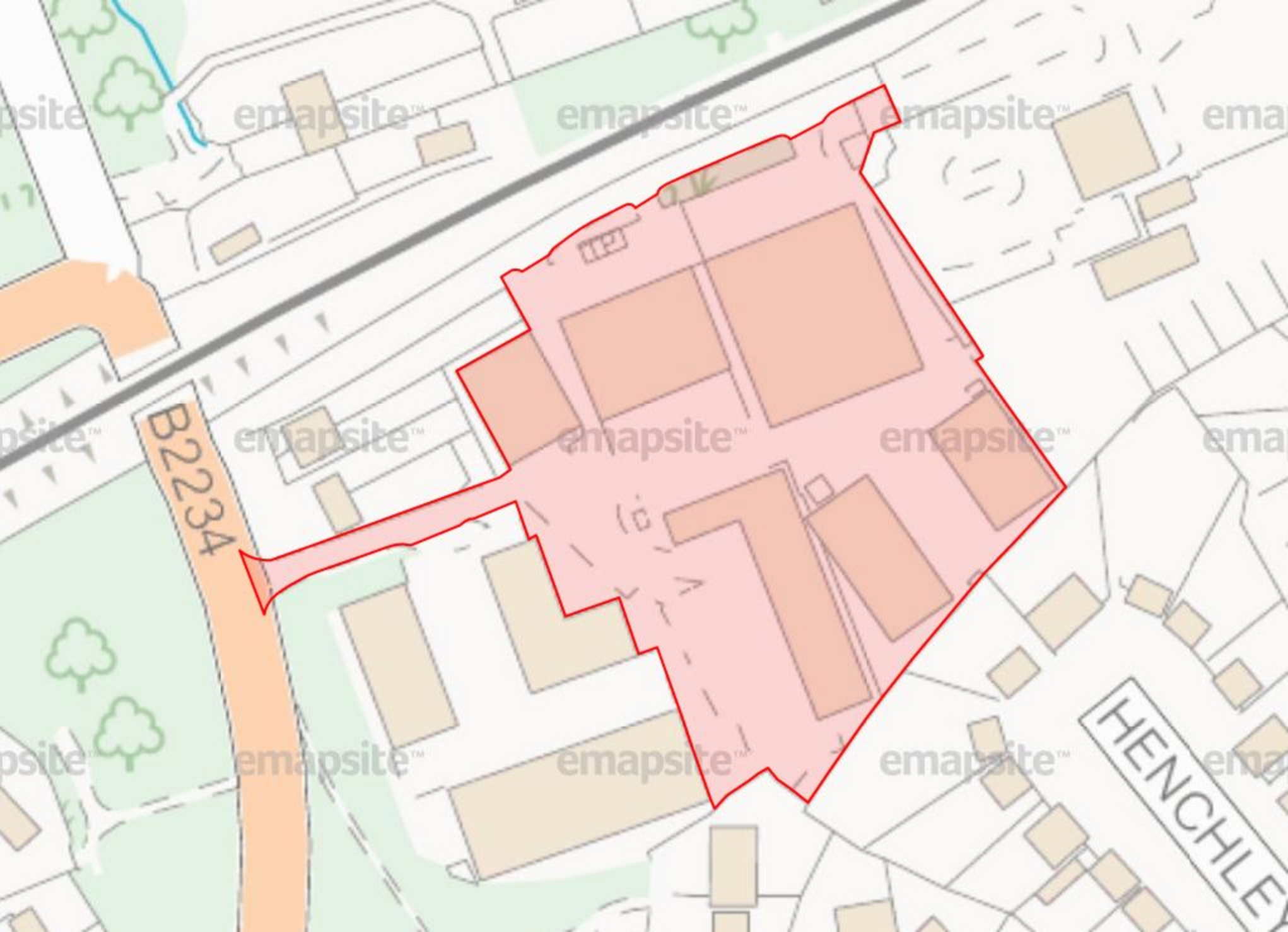
- 4.1 If the report has been ordered online or by any other means, but the Utility Report compilation process has not been initiated at the time of cancelation, there will be no charge.
- 4.2 If the report has been generated but not sent out, you will be charged 75% of the report price plus the full costs of all disbursements.
- 4.3 There is no cancelation if the report has been sent.

5. Force Majeure

Subtechnics Limited will have no liability to the Client if it is prevented from or delayed in performing its obligations in connection with producing the Utilities Report by any act, event, omission, accident or incident beyond its reasonable control. These include but are not limited to:- any form of industrial dispute, strike or lock-out, breakdown or failure of a utility service or transport network, act of God, war, riot, civil commotion, malicious damage, accident, incident, breakdown of plant, machinery or electronic system, fire or flood.

6. Governing Law

The Governing Law and Jurisdiction of these Terms and Conditions, any Contract or Agreement are governed by and construed in accordance with the laws of England and Wales. The courts of England and Wales shall have non-exclusive jurisdiction to settle any dispute or claim that arises out of or in connection with these Terms and Conditions, any Contract or Agreement.



Utility Company Underground Services Search Results Schedule

Your Ref: ExampleRef
 Our Ref: SP16677
 Address: Merrow Business Park, Merrow Lane, Guildford, Surrey
 Grid Reference: 502542,151858
 Post Code: GU4 7WA
 Author: Stephen
SEARCH DATE: 13/09/16

AFFECTED

Utility Company	Site Area Affected ✓	Digitised ✓
Water		
Foul Water Company – Thames Water	✓	
Surface Water Company – Thames Water	✓	
Potable Water Company – Thames Water	✓	
Electricity		
Electricity Company – UK Power Networks	✓	
Gas		
Gas Distribution Company – SGN	✓	
Telecoms		
Atkins Global (Vodafone)	✓	
BT	✓	
Instalcom – Global Crossing (UK) Ltd	✓	
Instalcom – Global Crossing PEC	✓	
Instalcom – Fibernet UK Ltd	✓	
Instalcom – FibreSpan Limited	✓	
Instalcom – Level3	✓	
Virgin Media	✓	
Network Rail		
Network Rail	✓	
Utility Company	Site Area Affected ✓	Digitised ✓

NOT AFFECTED

Utility Company	NOT Affected ✓
Water	
GTC - Independent Water Networks Limited	✓
Electricity	
Electricity Company – National Grid	✓
Energetics (Electricity)	✓
GTC - Electricity Network Company Limited	✓
GTC - Independent Power Networks Limited	✓
Linesearch – Dong Energy (UK) Ltd	✓
Linesearch – E.ON UK CHP Limited	✓
Linesearch – ESP Utilities Group	✓
Linesearch – HV Cables	✓
Linesearch – Lark Energy	✓
Linesearch – Lightsource SPV Limited	✓
Linesearch – National Grid Electricity Transmission	✓
Linesearch – Seabank Power Limited	✓
Linesearch – Uniper UK Ltd	✓
Linesearch – Vattenfall	✓
Gas	
Gas Distribution Company – National Grid	✓
Energetics (Gas)	✓
GTC Pipelines Ltd	✓
GTC – Independent Pipelines Ltd	✓
GTC – Quadrant Pipelines Ltd	✓
Linesearch – Carrington Gas Pipeline	✓
Linesearch – CATS Pipeline c/o Wood Group PSN	✓
Linesearch – Centrica Energy	✓
Linesearch – Centrica Storage Ltd	✓
Linesearch – Coryton Energy Co Ltd (Gas Pipeline)	✓
Linesearch – E.ON UK CHP Limited	✓
Linesearch – ESP Utilities Group	✓
Linesearch – Fulcrum Pipelines Limited	✓
Linesearch – Humbly Grove Energy	✓
Linesearch – IGas Energy	✓
Linesearch – Marchwood Power Ltd (Gas Pipeline)	✓
Linesearch – National Grid Gas (above 2 bar)	✓
Linesearch – RWEpower (Little Barford and South Haven)	✓
Linesearch – Wingas Storage UK Ltd	✓
Utility Company	NOT Affected ✓

Utility Company	NOT Affected ✓
Telecoms	
C A Telecoms – Colt	✓
CityFibre Holdings Limited	✓
Freeview & Radio Transmitters	✓
GTC - Independent Fibre Networks Limited	✓
Interoute Communications	✓
Linesearch – CSP Fibre c/o Centara	✓
Linesearch – FibreSpeed Limited	✓
Linesearch – Gamma	✓
Linesearch – Manx Cable Company	✓
Linesearch – Zayo Group UK Ltd c/o JSM Group Ltd	✓
McNicholas – KPN International	✓
McNicholas –TATA Communications	✓
SKY Telecoms	✓
Telent / Teliasonera	✓
Trafficmaster	✓
Verizon Business	✓
Vtesse	✓
Utility Company	NOT Affected ✓

Utility Company	NOT Affected ✓
Oil/Fuel/Other - Linesearch Replies	
Linesearch – AWE Pipeline	✓
Linesearch – BOC Limited (A Member of the Linde Group)	✓
Linesearch – BP Midstream Pipelines	✓
Linesearch – BPA	✓
Linesearch – Carrington Gas Pipeline	✓
Linesearch – CLH Pipeline System Ltd	✓
Linesearch – ConocoPhillips UK Ltd	✓
Linesearch – ENI & Himor c/o Penspen Ltd	✓
Linesearch – ESSAR	✓
Linesearch – Esso Petroleum Company Ltd	✓
Linesearch – Ineos Enterprises Limited	✓
Linesearch – INEOS Manufacturing (Scotland & TSEP)	✓
Linesearch – Mainline Pipelines Limited	✓
Linesearch – Manchester Jetline Limited	✓
Linesearch – Npower CHP Pipelines	✓
Linesearch – Oikos Storage Limited	✓
Linesearch – Perenco UK Ltd (Purbeck Southampton Pipeline)	✓
Linesearch – Petroineos	✓
Linesearch – Phillips 66	✓
Linesearch – Premier Transmission Ltd (SNIP)	✓
Linesearch – Redundant Pipelines – LPDA	✓
Linesearch – Sabic UK Petrochemicals	✓
Linesearch – Shell (St Fergus to Mossmorran)	✓
Linesearch – Shell Pipelines	✓
Linesearch – Total (Finaline, Colnbrook & Colwick Pipelines)	✓
Linesearch – Transmission Capital	✓
Linesearch – Cemex	✓
Utility Company	NOT Affected ✓

www.technicsgroup.com
utility.reports@technicsgroup.com
 01483 23 00 80 ask for Stephen

AFFECTED

WATER

Asset Location Search



Subtechnics Ltd
Technics House
Merrow Lane
GUILDFORD
GU4 7WA

Search address supplied Technics Group
Technics House
1m
Merrow Business Park
Guildford
GU4 7WA

Your reference SP16677

Our reference ALS/ALS Standard/2016_3412859

Search date 16 September 2016

Notification of Price Changes...

From **1 September 2016** Thames Water Property Searches will be increasing the prices of its Asset Location Searches. This will be the first price rise in three years and is in line with the RPI at 1.84%. The increase follows significant capital investment in improving our systems and infrastructure.

Enquiries received with a higher payment prior to 1 September 2016 will be non-refundable. For further details on the price increase please visit our website at



Asset Location Search



Search address supplied: Technics Group, Technics House, 1m, Merrow Business Park, Guildford, GU4 7WA

Dear Sir / Madam

An Asset Location Search is recommended when undertaking a site development. It is essential to obtain information on the size and location of clean water and sewerage assets to safeguard against expensive damage and allow cost-effective service design.

The following records were searched in compiling this report: - the map of public sewers & the map of waterworks. Thames Water Utilities Ltd (TWUL) holds all of these.

This search provides maps showing the position, size of Thames Water assets close to the proposed development and also manhole cover and invert levels, where available.

Please note that none of the charges made for this report relate to the provision of Ordnance Survey mapping information. The replies contained in this letter are given following inspection of the public service records available to this company. No responsibility can be accepted for any error or omission in the replies.

You should be aware that the information contained on these plans is current only on the day that the plans are issued. The plans should only be used for the duration of the work that is being carried out at the present time. Under no circumstances should this data be copied or transmitted to parties other than those for whom the current work is being carried out.

Thames Water do update these service plans on a regular basis and failure to observe the above conditions could lead to damage arising to new or diverted services at a later date.

Contact Us

If you have any further queries regarding this enquiry please feel free to contact a member of the team

Asset Location Search



Waste Water Services

Please provide a copy extract from the public sewer map.

Enclosed is a map showing the approximate lines of our sewers. Our plans do not show sewer connections from individual properties or any sewers not owned by Thames Water unless specifically annotated otherwise. Records such as "private" pipework are in some cases available from the Building Control Department of the relevant Local Authority.

Where the Local Authority does not hold such plans it might be advisable to consult the property deeds for the site or contact neighbouring landowners.

This report relates only to sewerage apparatus of Thames Water Utilities Ltd, it does not disclose details of cables and or communications equipment that may be running through or around such apparatus.

The sewer level information contained in this response represents all of the level data available in our existing records. Should you require any further Information, please refer to the relevant section within the 'Further Contacts' page found later in this document.

For your guidance:

- The Company is not generally responsible for rivers, watercourses, ponds, culverts or highway drains. If any of these are shown on the copy extract they are shown for information only.
- Any private sewers or lateral drains which are indicated on the extract of the public sewer map as being subject to an agreement under Section 104 of the Water Industry Act 1991 are not an 'as constructed' record. It is recommended these details be checked with the developer.

Clean Water Services

Please provide a copy extract from the public water main map.

Enclosed is a map showing the approximate positions of our water mains and associated apparatus. Please note that records are not kept of the positions of individual domestic supplies.

For your information, there will be a pressure of at least 10m head at the outside stop valve. If you would like to know the static pressure, please contact our Customer

Asset Location Search



Centre. The Customer Centre can also arrange for a full flow and pressure test to be carried out for a fee.

For your guidance:

- Assets other than vested water mains may be shown on the plan, for information only.
- If an extract of the public water main record is enclosed, this will show known public water mains in the vicinity of the property. It should be possible to estimate the likely length and route of any private water supply pipe connecting the property to the public water network.

Payment for this Search

A charge will be added to your suppliers account.

Asset Location Search

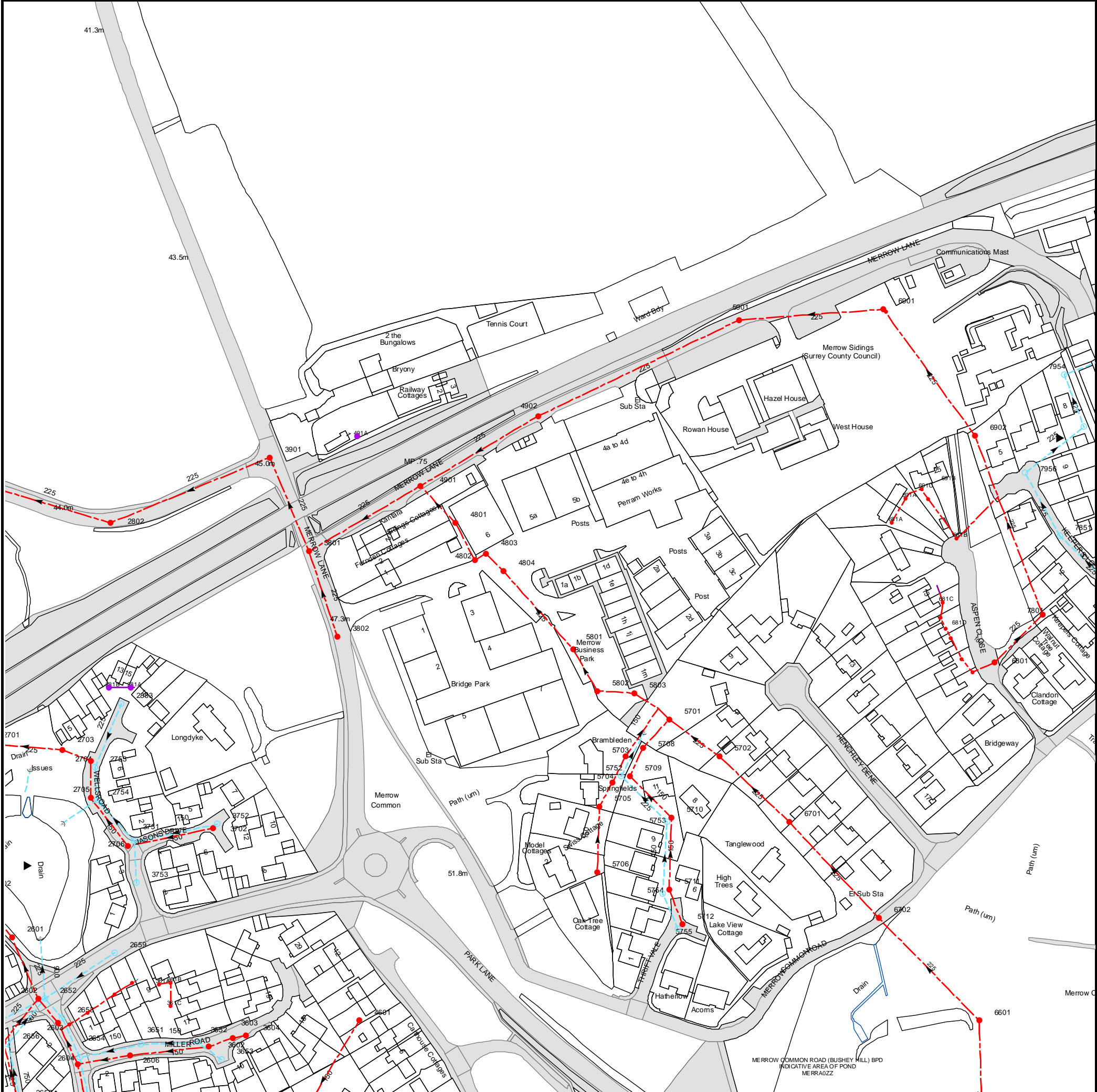


Further contacts:

Waste Water queries

Should you require verification of the invert levels of public sewers, by site measurement, you will need to approach the relevant Thames Water Area Network Office for permission to lift the appropriate covers. This permission will usually involve you completing a TWOSA form. For further information please contact our Customer Centre. Alternatively, a survey can be arranged, for a fee, through our Customer Centre on the above number.

If you have any questions regarding sewer connections, budget estimates, diversions, building over issues or any other questions regarding operational issues please direct them to our service desk.



The width of the displayed area is 500 m and the centre of the map is located at OS coordinates 502492,151878

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

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

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

Manhole Reference	Manhole Cover Level	Manhole Invert Level
4802	48.01	46.38
4803	48.13	46.56
3801	45.52	43.61
681B	n/a	n/a
7851	53.86	52.23
4801	n/a	n/a
2802	44.44	42.44
681A	n/a	n/a
691B	n/a	n/a
691A	n/a	n/a
691C	n/a	n/a
4901	47.14	44.7
7956	53.54	51.97
3901	44.93	43.21
491A	n/a	n/a
6902	n/a	n/a
7955	52.31	51.06
4902	50.23	48.28
7954	52.24	50.59
5901	50.93	49.07
6901	52.07	49.59
5705	51.84	51.01
5704	51.67	50.39
5752	52.27	50.75
5703	51.23	49.53
5709	52.07	50.67
5803	50.41	48.11
5708	n/a	n/a
5754	54.68	53.28
5753	53.15	52.09
5711	54.75	52.94
5701	50.26	48.4
5710	53.13	51.93
5755	n/a	n/a
5712	n/a	n/a
5702	50.98	48.65
6701	n/a	n/a
6702	55.3	51.76
681H	n/a	n/a
681C	n/a	n/a
681D	n/a	n/a
681G	n/a	n/a
681F	n/a	n/a
681E	n/a	n/a
6601	n/a	n/a
6801	56.55	55.2
7801	55.46	54.24
2703	n/a	n/a
2653	46.8	44.98
261B	n/a	n/a
2705	n/a	n/a
2704	45.78	43.52
2753	n/a	n/a
2754	46.55	43.57
281B	n/a	n/a
261A	n/a	n/a
2659	48.33	46.36
2853	n/a	n/a
2706	n/a	n/a
281A	n/a	n/a
361D	n/a	n/a
3751	47.73	45.9
3753	n/a	n/a
361A	n/a	n/a
361C	n/a	n/a
361B	n/a	n/a
3702	n/a	n/a
3752	48.86	46.85
3802	47.36	45.21
4601	n/a	n/a
4804	48.46	46.99
5801	49.87	47.56
5706	53.45	52.31
5802	50.25	47.94
2604	47.94	45.58
3653	52.51	50.95
2654	47.92	46.28
2606	49.24	47.43
3602	51.85	49.61
3651	49.65	47.78
3652	51.5	49.57
3603	52.34	50.17
3604	52.55	50.27
261C	n/a	n/a
2656	47.99	44.17
2603	46.8	45.08
2602	46.45	44.7
2652	46.48	43.6
2601	46.59	44.56

Manhole Reference	Manhole Cover Level	Manhole Invert Level
The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.		



ALS Sewer Map Key

Public Sewer Types (Operated & Maintained by Thames Water)

	Foul: A sewer designed to convey waste water from domestic and industrial sources to a treatment works.
	Surface Water: A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.
	Combined: A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.
	Trunk Surface Water
	Trunk Foul
	Storm Relief
	Trunk Combined
	Vent Pipe
	Bio-solids (Sludge)
	Proposed Thames Surface Water Sewer
	Proposed Thames Water Foul Sewer
	Gallery
	Foul Rising Main
	Surface Water Rising Main
	Combined Rising Main
	Sludge Rising Main
	Proposed Thames Water Rising Main
	Vacuum

Notes:

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.
- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
- 4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
- 5) 'na' or '0' on a manhole level indicates that data is unavailable.

Sewer Fittings

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

	Air Valve
	Dam Chase
	Fitting
	Meter
	Vent Column

Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

	Control Valve
	Drop Pipe
	Ancillary
	Weir

End Items

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol, Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

	Outfall
	Undefined End
	Inlet

Other Symbols

Symbols used on maps which do not fall under other general categories

	Public/Private Pumping Station
	Change of characteristic indicator (C.O.C.I.)
	Invert Level
	Summit

Areas

Lines denoting areas of underground surveys, etc.

	Agreement
	Operational Site
	Chamber
	Tunnel
	Conduit Bridge

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

	Foul Sewer
	Surface Water Sewer
	Combined Sewer
	Gully
	Culverted Watercourse
	Proposed
	Abandoned Sewer

- 6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in millimetres. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology present on the plan, please contact a member of Property Insight



The width of the displayed area is 500 m and the centre of the map is located at OS coordinates 502492, 151878.

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

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ALS Water Map Key

Water Pipes (Operated & Maintained by Thames Water)

- 4"** **Distribution Main:** The most common pipe shown on water maps. With few exceptions, domestic connections are only made to distribution mains.
- 16"** **Trunk Main:** A main carrying water from a source of supply to a treatment plant or reservoir, or from one treatment plant or reservoir to another. Also a main transferring water in bulk to smaller water mains used for supplying individual customers.
- 3" SUPPLY** **Supply Main:** A supply main indicates that the water main is used as a supply for a single property or group of properties.
- 3" FIRE** **Fire Main:** Where a pipe is used as a fire supply, the word FIRE will be displayed along the pipe.
- 3" METERED** **Metered Pipe:** A metered main indicates that the pipe in question supplies water for a single property or group of properties and that quantity of water passing through the pipe is metered even though there may be no meter symbol shown.
- Transmission Tunnel:** A very large diameter water pipe. Most tunnels are buried very deep underground. These pipes are not expected to affect the structural integrity of buildings shown on the map provided.
- Proposed Main:** A main that is still in the planning stages or in the process of being laid. More details of the proposed main and its reference number are generally included near the main.

PIPE DIAMETER	DEPTH BELOW GROUND
Up to 300mm (12")	900mm (3')
300mm - 600mm (12" - 24")	1100mm (3' 8")
600mm and bigger (24" plus)	1200mm (4')

Valves

- General Purpose Valve
- Air Valve
- Pressure Control Valve
- Customer Valve

Hydrants

- Single Hydrant

Meters

- Meter

End Items

Symbol indicating what happens at the end of a water main.

- Blank Flange
- Capped End
- Emptying Pit
- Undefined End
- Manifold
- Customer Supply
- Fire Supply

Operational Sites

- Booster Station
- Other
- Other (Proposed)
- Pumping Station
- Service Reservoir
- Shaft Inspection
- Treatment Works
- Unknown
- Water Tower

Other Symbols

- Data Logger

Other Water Pipes (Not Operated or Maintained by Thames Water)

- Other Water Company Main:** Occasionally other water company water pipes may overlap the border of our clean water coverage area. These mains are denoted in purple and in most cases have the owner of the pipe displayed along them.
- Private Main:** Indicates that the water main in question is not owned by Thames Water. These mains normally have text associated with them indicating the diameter and owner of the pipe.

Terms and Conditions

All sales are made in accordance with Thames Water Utilities Limited (TWUL) standard terms and conditions unless previously agreed in writing.

1. All goods remain in the property of Thames Water Utilities Ltd until full payment is received.
2. Provision of service will be in accordance with all legal requirements and published TWUL policies.
3. All invoices are strictly due for payment 14 days from due date of the invoice. Any other terms must be accepted/agreed in writing prior to provision of goods or service, or will be held to be invalid.
4. Thames Water does not accept post-dated cheques-any cheques received will be processed for payment on date of receipt.
5. In case of dispute TWUL's terms and conditions shall apply.
6. Penalty interest may be invoked by TWUL in the event of unjustifiable payment delay. Interest charges will be in line with UK Statute Law 'The Late Payment of Commercial Debts (Interest) Act 1998'.
7. Interest will be charged in line with current Court Interest Charges, if legal action is taken.
8. A charge may be made at the discretion of the company for increased administration costs.

A copy of Thames Water's standard terms and conditions are available from the Commercial Billing Team

We publish several Codes of Practice including a guaranteed standards scheme. You can obtain copies of these leaflets by calling us

If you are unhappy with our service you can speak to your original goods or customer service provider. If you are not satisfied with the response, your complaint will be reviewed by the Customer Services Director.

If the Goods or Services covered by this invoice falls under the regulation of the 1991 Water Industry Act, and you remain dissatisfied you can refer your complaint to Consumer Council for Water on 0121 345 1000 or write to them at Consumer Council for Water, 1st Floor, Victoria Square House, Victoria Square, Birmingham, B2 4AJ.

Ways to pay your bill

Credit Card	BACS Payment	Telephone Banking	Cheque
Call quoting your invoice number starting CBA or ADS.	Account number 90478703 Sort code 60-00-01 A remittance advice must be sent	By calling your bank and quoting: Account number 90478703 Sort code 60-00-01 and your invoice number	Made payable to ' Thames Water Utilities Ltd ' Write your Thames Water account number on the back.



Search Code

IMPORTANT CONSUMER PROTECTION INFORMATION

This search has been produced by Thames Water Property Searches, Clearwater Court, Vastern Road, Reading RG1 8DB, which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered search firms maintain compliance with the Code.

The Search Code:

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practise and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

The Code's core principles

Firms which subscribe to the Search Code will:

- display the Search Code logo prominently on their search reports
- act with integrity and carry out work with due skill, care and diligence
- at all times maintain adequate and appropriate insurance to protect consumers
- conduct business in an honest, fair and professional manner
- handle complaints speedily and fairly
- ensure that products and services comply with industry registration rules and standards and relevant laws
- monitor their compliance with the Code

Complaints

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award compensation of up to £5,000 to you if he finds that you have suffered actual loss as a result of your search provider failing to keep to the Code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details

The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP
Tel: 01722 333306
Fax: 01722 332296
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

ELECTRICITY



Mr. Stephen Sawyer
Technics Group
Technics House
Marrow Business Park
Guildford
Surrey
GU4 7WA

Our Ref: 2016/2233051
Your Ref: sp16677
20/09/2016

Dear Sir/Madam

MERROW BUSINESS PARK MERROW LANE GUILFORD SRREY GU4 7WA

Thank you for your letter of 16/09/2016 in which you asked if there are any electric lines and/or electrical plant belonging to UK Power Networks (SEPN) plc ("UK Power Networks") within the land identified by your enquiry.

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

Should your excavation affect any of our Extra High Voltage equipment (6.6 KV, 22 KV, 33 KV or 132 KV), please contact us to obtain a copy of the primary route drawings and associated cross sections.

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

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

electric lines and/or electrical plant may be present and that may or may not belong to UK Power Networks.

6. **Other apparatus not belonging to UK Power Networks is not shown on the plan. It is your responsibility to make your own enquiries elsewhere to discover whether apparatus belonging to others is present. It would be prudent to assume that other apparatus is present.**
7. You are responsible for ensuring that the information made available to you is passed to those acting on your behalf and that all such persons are made aware of the contents of this letter.
8. Because the information provided to you may **NOT** be accurate, you are recommended to ascertain the presence of UK Power Networks electric lines and/or electrical plant by the digging of trial holes. **Trial holes should be dug by hand only.** Excavations must be carried out in line with the Health and Safety Executive guidance document HSG:47. We will not undertake to do this work. A copy of HSG:47 can be obtained from the Health and Safety Executives website.

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

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

Where your works are likely to affect our electric lines and/or electrical plant an estimate of the price of any protective /diversionary works can be prepared by UK Power Networks Branch

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

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

If given a reasonable period of prior notice UK Power Networks will attend on site without charge to advise how and where "goal posts" should be erected.

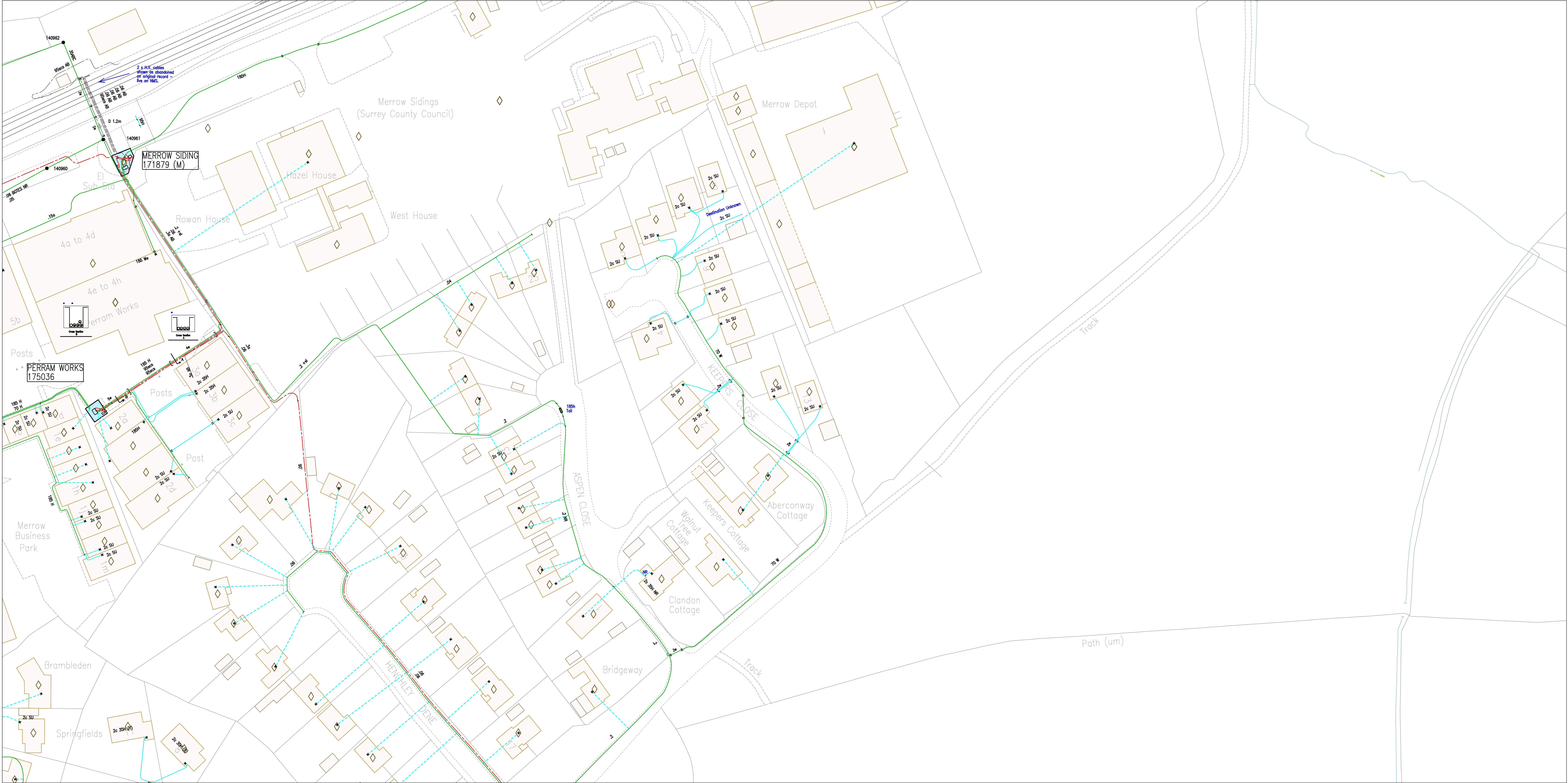
10. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.
11. If in carrying out work on land in, on, under or over which is installed an electric line and/or electrical plant that belongs to UK Power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

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

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

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

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



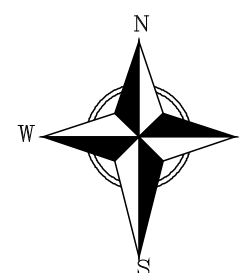
Plotted On : 20/09/2016

Plotted By :

Plot Description: MERROW BUSINESS PARK MERROW LANE
GUILFORD SRREY GU4 7WA

2016/2233051

Map Centre : TQ0251NE



PRIMARY CABLES
EXTRA HIGH VOLTAGE CABLES (EHV) 22,000 TO 132,000 Volts
Depth normally 750mm cover in carriageway & 600mm cover in footway.

N.B. THRUST BORERS OR MOLES MUST NOT BE USED WITHIN THE VICINITY OF ANY
CABLES BELONGING TO UK POWER NETWORKS WITHOUT FIRST CONTACTING THIS
COMPANY.

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
2. The exact position of the apparatus should be verified – use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all cables have been determined.
4. It must be assumed that each property and item of street furniture has an electricity supply. Service cables shown only where known.
5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information provided must be given to all people working near UK Power Networks plant & equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks Ltd does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks Ltd does not exclude or limit its liability if it causes the death of a person or causes personal injury to a person where such death or personal injury is caused by its negligence.
3. Subject to paragraph 2, UK Power Networks Ltd has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise howsoever for any loss, damage, costs, claims, demands or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.

Reproduced by permission of Ordnance Survey on behalf of HMSO. (c) Crown copyright and database right 2016. All rights reserved. Ordnance Survey Licence number 100019450. Data has been added to the Ordnance Survey base map; all proprietary rights in such additional data are and shall remain the exclusive property of (c) South Eastern Power Networks plc or London Power Networks plc each being a distribution licensee under section 6(1)(c) of the Electricity Act 1989 for the relevant distribution services area as that term is defined in such licensee's distribution licence. All rights in such data reserved.

ADVICE TO CONTRACTORS ON AVOIDING DANGER
FROM BURIED ELECTRICITY CABLES.

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

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

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

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



Network Records NetMAP Symbols Booklet - South East England

Version 1.2

Released October 2010

Always check with your local Network Records office or the UK Power Networks server to ensure that you are using the most up to date copy of this booklet

Index:-

Page no:	Contents:
1	Guidance notes.
2	The area covered by this guide.
3	<u>1:500 (& 1:1250) view</u>
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4	Scenery (UK Power Networks use only).
7	Primary distribution line route (EHV).
8	Secondary distribution cables (HV/LV).
9	Secondary distribution cable terminology.
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28	<u>1:10000 view</u> (UK Power Networks use only).
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29	Secondary distribution cables.
30	Primary and secondary sites.

Guidance notes.

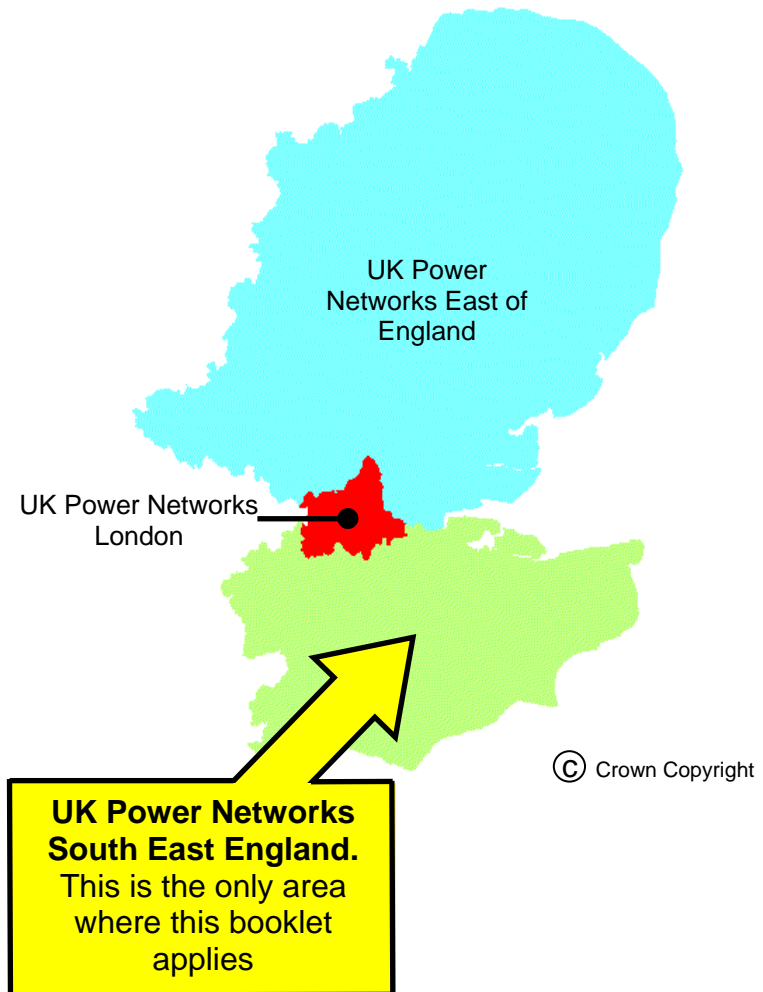
Important notice:

If you do not understand the NetMAP record that you are using, please contact the UK Power Networks Network Records team for guidance

- The position of apparatus shown on NetMAP is believed to be correct, but the original landmarks may have altered since the apparatus was installed.
- It must be assumed that there is at least one service to each property, lamp column, street sign etc.
- Third party cables are not usually shown.
- When viewed in black and white, the line-style indicates the voltage.
- All LV cables are 4 core and all HV cables are 3 core – unless otherwise stated.
- All cables are copper – unless otherwise stated.







The area covered by this guide:










1:500 (& 1:1250) view








Scenery

NetMAP system	Description
	Secondary buildings and fence lines
	Building line
	Kerb line
	UK Power Networks / SPN licence boundary (not visible unless selected)









Scenery for UK Power Networks use only - boxed in red

NetMAP system	Description
 Inset Network – Contact xxxx IDNO for further information	Area of inset network - not the asset of UK Power Networks (only visible to UK Power Networks and their immediate contractors)
	Proposed Cross Rail route (only visible to UK Power Networks and their immediate contractors)
	High pressure pipelines in the general vicinity (only visible to UK Power Networks and their immediate contractors)
Note: Pipelines are only viewable on NetMAP by UK Power Networks staff and their immediate contractors. Do not carry out any excavation without consent from the relevant agency - legally protected high pressure petroleum products pipeline route in the general vicinity - consult www.linewatch.co.uk for contacts and guidance. Pipeline contact numbers can also be found on the intranet – out of hours, contact our Control Centre.	
	Water - surface water (only visible to UK Power Networks and their immediate contractors)
	Water - Source Protection Zone 1 (only visible to UK Power Networks and their immediate contractors)
	Water - Source Protection Zone 2 (only visible to UK Power Networks and their immediate contractors)
	Water - Source Protection Zone 3 (only visible to UK Power Networks and their immediate contractors)
section continued on next page	




Scenery for UK Power Networks use only - boxed in red

NetMAP system	Description
	Historical - Scheduled Monuments (only visible to UK Power Networks and their immediate contractors)
	Historical - Parks and Gardens (only visible to UK Power Networks and their immediate contractors)
	Historical - Areas of Archaeological Potential (AAP) (only visible to UK Power Networks and their immediate contractors)
	Nature - Ramsar Wetlands of International Importance (only visible to UK Power Networks and their immediate contractors)
	Nature - Special Area of Conservation (SAC) (only visible to UK Power Networks and their immediate contractors)
	Nature - Special Protected Area (SPA) (only visible to UK Power Networks and their immediate contractors)
	Nature - Site of Special and Scientific Interest (SSSI) (only visible to UK Power Networks and their immediate contractors)
section continued on next page	










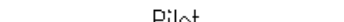



Scenery for UK Power Networks use only - boxed in red

NetMAP system	Description
	Nature - Local Nature Reserve (only visible to UK Power Networks and their immediate contractors)
	Nature - National Nature Reserve (only visible to UK Power Networks and their immediate contractors)
	Nature - Area of Outstanding Natural Beauty (AONB) (only visible to UK Power Networks and their immediate contractors)
	Nature - National Park (only visible to UK Power Networks and their immediate contractors)
	Fluid filled cables - very high sensitivity (only visible to UK Power Networks and their immediate contractors)
	Fluid filled cables - high sensitivity (only visible to UK Power Networks and their immediate contractors)
	Fluid filled cables - medium sensitivity (only visible to UK Power Networks and their immediate contractors)
	Fluid filled cables - low sensitivity (only visible to UK Power Networks and their immediate contractors)

Primary distribution line route (1:500 view)

NetMAP system	Description
	275–400kV National Grid route
	132kV cable route
	33kV cable route
Approximate routes only – see separate record	

Secondary distribution cables (1:500 view)

NetMAP system	Description
	11kV underground cable
	11kV overhead line
	6.6kV underground cable
	6.6kV overhead line
	<6.6kV underground cable
	<6.6kV overhead line
	LV underground cable
	LV overhead line
	Pilot cable
	LV street lighting (pl)
	Service overhead line
	Service underground
	Logical service connection

Secondary distribution cable terminology (1:500 view)

HV underground

sta (no text)	PILCSTA (paper insulated lead covered steel tape armour)
XLPE	PILCSWA (paper insulated lead covered steel wire armour)
bcs	XLPE (cross linked polyethylene) insulation
scs	CAS (corrugated aluminium sheath) belted construction
ua	CAS (corrugated aluminium sheath) with screened cores
c/c	PILC (paper insulated lead covered) unarmoured
Poly	Concentric cores
BOTES	Poly (polyethylene) insulation
of	BOTES – Board of Trade earth screen
33 kV design	Oil filled
ax	Constructed to 33 kV specification
cx	Triplex with aluminium conductor
	Triplex with copper conductor

HV overhead

(no text)	Bare open wire
pvc	Open wire PVC covered
cat	ABC (aerial bundled or bunched conductor) with supporting strain wire
+ew	Open wire with extra earth conductor
ccc	Compact covered conductor

Overhead line materials

sca	Steel cored aluminium
cc	Cadmium copper
st	Steel
sil	Simalec
ccs	Copper covered steel
cpl	Compactal

section continued on next page

Secondary distribution cable terminology continued (1:500 view)

LV underground mains and services

W	Waveform
We	Waveform with separate earth wire
H	Hybrid – copper neutral with aluminium phase conductor
He	Hybrid with separate earth wire
ua	PILC (paper insulated lead covered) unarmoured
(no text)	PILC (paper insulated lead covered) with/without armour
XLPE	XLPE (cross linked polyethylene) insulation
DISTR	PISTA (paper insulated steel tape armour) 4c SAC (solid aluminium core) with lead covered neutral
c/c	Concentric cores
s/c	Split concentric with separated neutral and earth wires
CONSAC	Paper insulated aluminium sheathed 3 core with solid aluminium cores
vb	Vulcanised bitumen/rubber insulation
Capothene	Capothene core insulation
tby	Tape braid and yarn
swa	PILSWA (paper insulated lead steel wire armour)
sac	PILSTA (paper insulated steel tape armour) solid aluminium core
Solidal	4 sector SAC with solid aluminium cores
LSF	Low smoke and fume (orange cable)
Trough	Cable laid in filled trough

LV overhead mains and services

(no text)	Bare open wire
ABC	Aerial bundled (or bunched) conductor
cat	ABC (aerial bundled or bunched conductor) with supporting strain wire
pvc	PVC covered open wire
c/c	Concentric cores
H	Hybrid – copper neutral with aluminium phase conductor
ue	Under eaves – hessian covered lead cable
vir	Vulcanised India rubber insulation

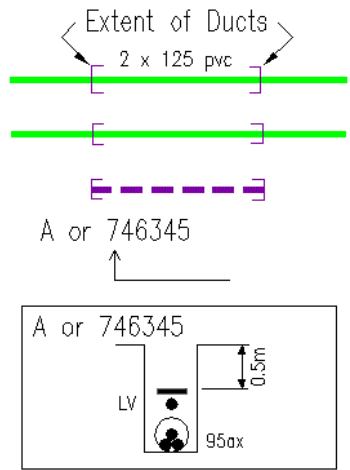
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







Secondary distribution cable terminology continued













(1:500 view)








Various annotation	
.1	Cable size (sq. inches)
185	Cable size (sq. millimetres)
a	Aluminium
ITC	Instrument traced cable or ITC - cable traced electronically using Cable Avoidance Tool (CAT) or similar







Cable ducts (1:500 view)

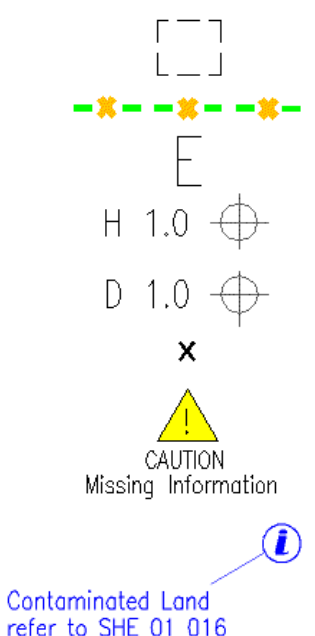
NetMAP system	Description
	<p>Duct 2 way</p> <p>Duct 1 way (no text)</p> <p>Spare duct</p> <p>Cross section arrow</p> <p>Cross section showing: duct, tile depth, tile, single LV cable and HV Triplex cable</p>
Duct materials	
<p>(no text)</p> <p>pvc</p> <p>st</p> <p>asb</p> <p>fbr</p> <p>wi</p> <p>cp</p> <p>t/e</p>	<p>Earthenware</p> <p>PVC</p> <p>Steel</p> <p>Asbestos</p> <p>Fibre</p> <p>Iron</p> <p>Concrete pipe</p> <p>Trenchless excavation</p>

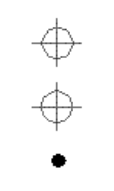
Poles (1:500 view)	
NetMAP system	Description
       	<p>Section pole Pole number (unique) Single leg</p> <p>H pole</p> <p>3 member</p> <p>4 member</p> <p>Strut</p> <p>Pole support (stay)</p> <p>Flying stay</p> <p>Tower 33kV to 400kV</p>

EHV, HV and LV sites (1:500 view)	
NetMAP system	Description
<p>Note: EHV and HV sites are identified by a unique 6 digit number (SPENS)</p>	
           	<p>Ground mounted primary substation showing name, transformer voltage and SPENS number</p> <p>Pole mounted substation showing name and SPENS number</p> <p>Ground mounted substation showing name and SPENS number</p> <p>2 way link box</p> <p>4 way link box</p> <p>Link box without busbar</p> <p>(options similar to 1:2500 view) LV distribution pillar</p> <p>Voltage regulator</p> <p>Voltage balancer</p> <p>Open point</p> <p>Open point – out of phase</p> <p>Overhead open point</p>
<p>Note: For LV linking, use the 1:2500 view</p>	

Joints (1:500 view)	
NetMAP system	Description
      	<p>Straight (same for HV)</p> <p>Pot end (same for HV)</p> <p>Branch (same for HV)</p> <p>Sleeve repair</p> <p>Capped end</p> <p>Service to LV main</p> <p>Under eaves service</p>
<div> <div> <div>□</div> <div>.1 .15 □</div> <div>R – R</div> <div>Y – B</div> <div>B – Y</div> </div> </div>	<p>Jointing phase drawing</p>

Street furniture (1:500 view)	
NetMAP system	Description
     TBS 	<p>Pole mounted street light</p> <p>Street light</p> <p>Zebra crossing</p> <p>Road sign</p> <p>Bollard</p> <p>Pelican crossing</p> <p>Traffic controller</p> <p>Advertising sign</p> <p>Amplifier station</p> <p>Control cubicle</p> <p><u>Text displayed/description</u></p> <p>Pay and display</p> <p>Bus shelter</p> <p>TBS</p> <p>Kiosk</p> <p>Water meter</p> <p>PL pillar</p> <p>TCB</p> <p>Unknown</p>

Miscellaneous (1:500 view)	
NetMAP system	Description
	<p>Underground chamber or draw pit</p> <p>Earth conductor</p> <p>Earth pin</p> <p>Height marker</p> <p>Depth marker</p> <p>Supply point</p> <p>Missing data in or near this location</p> <p>Contaminated land reference</p>

Connectivity (1:500 view)	
NetMAP system	Description
	<p>Edge node</p> <p>Node</p> <p>Connector</p> <p>Pole termination (nothing visible unless selected)</p>
<p>Edge nodes, nodes, connectors and pole termination joints may not appear on screen unless turned on and selected.</p>	

Abbreviations (1:500 view)

NetMAP system	Description
NR	No record
SU	Size unknown
AB	Abandoned
(M)	PME available
VO5	Year LV linking verified
MS	Milestone
MP	Marker post
pmt	Pole mounted transformer
pl	Public lighting
TBS	Temporary builder's supply
TCB	Telephone call box
CET	Cable electronically traced
IT	Instrument traced (same as CET)
CAT	Cable avoidance tool (same as CET)
+sl	Street lighting
+sw	Switch wire
2c	2 core
PESL	Public Electricity Supply License
Added	Supplied by SPN
Excluded	Not supplied by SPN
IIP	Assumed open point
VSxxxx	Vacant site
CB	Callender box

Cable phasing (1:500 view)

<u>Old core colours</u>	<u>Shown on map</u>	<u>New core colours</u>
Neutral	Neutral	Neutral
Red	R	L1
Yellow	Y	L2
Blue	B	L3

Note:- Scott is a different phasing system

Operational status colours (1:500 view)




PROPOSAL ———— Symbols and cables appear in ORANGE
OUT OF SERVICE ———— Cable and joints appear in BLACK
ABANDONED ———— Cables and joints appear in GREY

1:2500 view - for UK Power Networks use only - boxed red






Notes

1. No underground HV cables are shown on the 1:2500 view
2. Poles and joint details are similar to the 1:500 view
3. For cable/line information refer to the 1:500 view










Primary distribution line route (1:2500 view)

NetMAP system	Description
	275–400kV National Grid route
	132kV cable route
	33kV cable route

Secondary distribution cables (1:2500 view)







NetMAP system	Description
	11kV overhead line
	6.6kV overhead line
	<6.6kV overhead line
	LV underground cable
	LV overhead line

Primary and secondary sites (1:2500 view)

NetMAP system	Description
Note: EHV and HV sites are identified by a unique 6 digit number (SPENS)	
	Ground mounted substation showing capacity, phase, name and SPENS number
	Pole mounted substation showing capacity, phase, name and SPENS number
	Primary substation showing name and SPENS number (no site shown)
	2 way link box
	4 way link box
	Link box identifier
	4 way link box without busbar
	6 way link box without busbar
	8 way link box without busbar

section continued on next page

Primary and secondary sites continued (1:2500 view)

NetMAP system	Description
	LV distribution pillar
	Voltage regulator
	Voltage balancer
	Open point
	Open point – out of phase
	Earth pin

Switch types (1:2500 view)







NetMAP system	Description
ABSD	Air brake switch disconnecter
A/R	Auto recloser
A/S	Sectionaliser
FUSE	Fuse
S/D	Surge diverter
PF	Pathfinder
ASL	Automatic sectionalising links
PMR	Pole mounted recloser
PMS	Pole mounted sectionaliser
GVR	Gas vacuum recloser

1:10000 view - for UK Power Networks use only - boxed red









Notes

1. No EHV cables/overhead lines shown on 1:10000 view.
2. For congested areas print at 1:5000.
3. HV site used instead of branch joint on 1:10000 for connectivity purposes. The site is not displayed until it is selected.

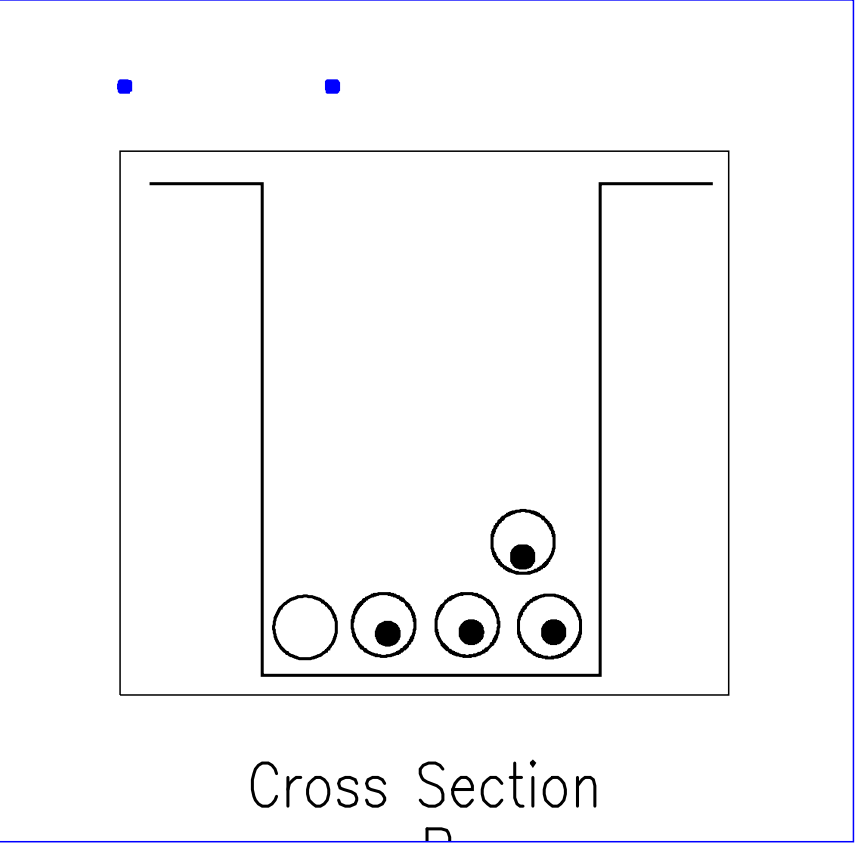
Secondary distribution cables (1:10000 view)

NetMAP system	Description
	11kV underground cable
	6.6kV underground cable
	<6.6kV underground cable
	11kV overhead line
	6.6kV overhead line
	<6.6kV overhead line

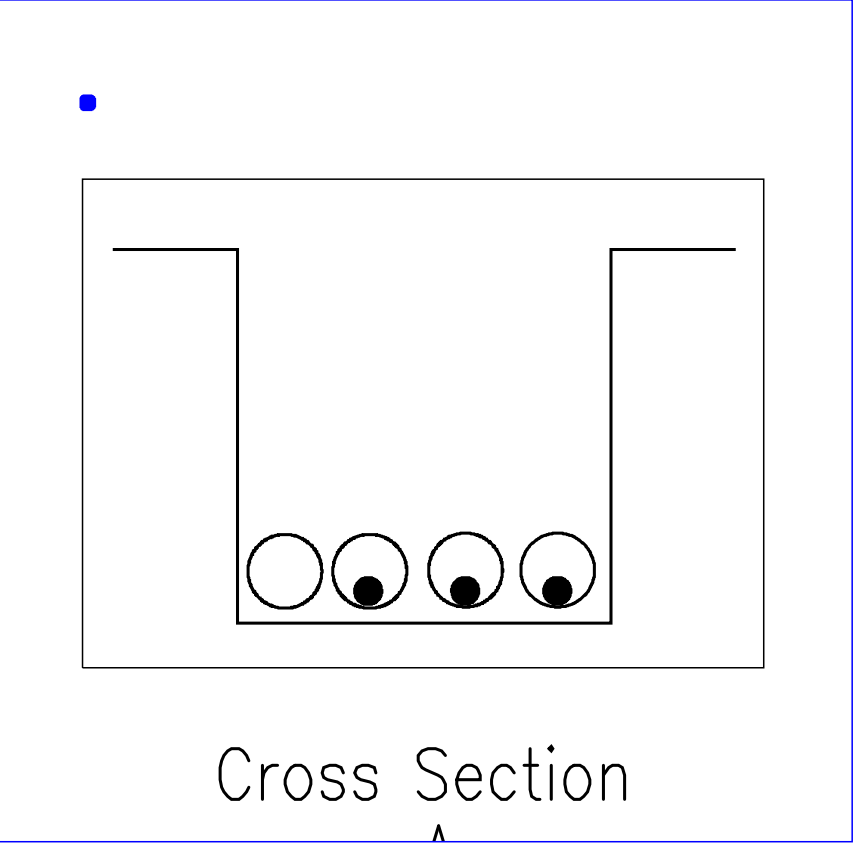
Primary and secondary sites (1:10000 view)

NetMAP system	Description
Note: EHV and HV sites are identified by a unique 6 digit number (SPENS)	
<div>SITE NAME 008590</div> 	Primary substation showing name and SPENS number
<div>SITE NAME 521234</div> 	11kV ground mounted substation showing name and SPENS number
<div>SITE NAME 524514</div> 	6.6kV ground mounted substation showing name and SPENS number
<div>SITE NAME 523634</div> 	<6.6kV ground mounted substation showing name and SPENS number
<div>SITE NAME pmt 527522</div> 	11kV pole mounted substation showing name and SPENS number
<div>SITE NAME pmt 525743</div> 	6.6kV pole mounted substation showing name and SPENS number
<div>SITE NAME pmt 526543</div> 	<6.6kV pole mounted substation showing name and SPENS number
<div>SITE NAME 527238</div> 	Pole mounted switching substation showing name and SPENS number

Cross Section (B TQ0251)



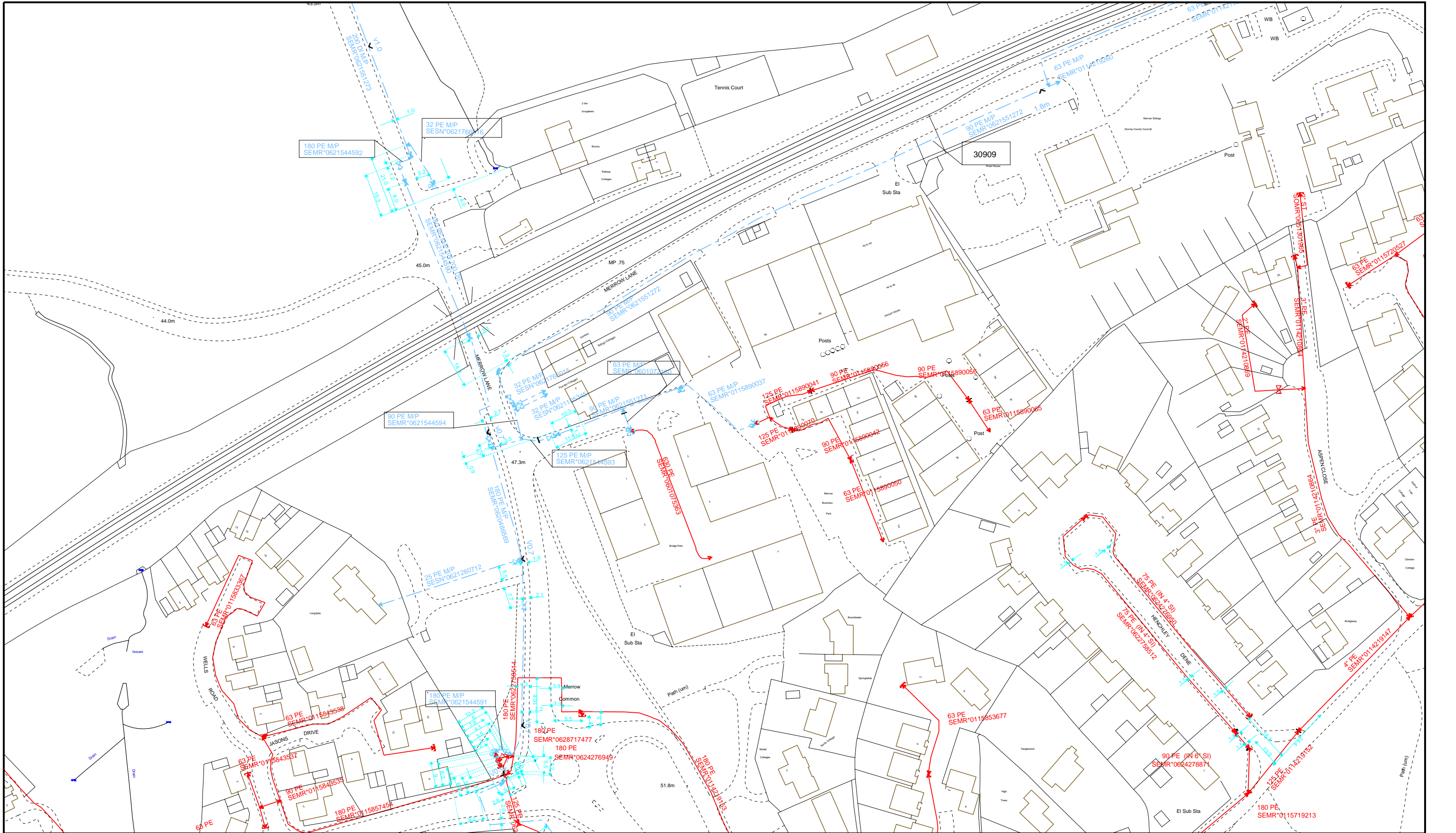
Cross Section (A TQ0251)




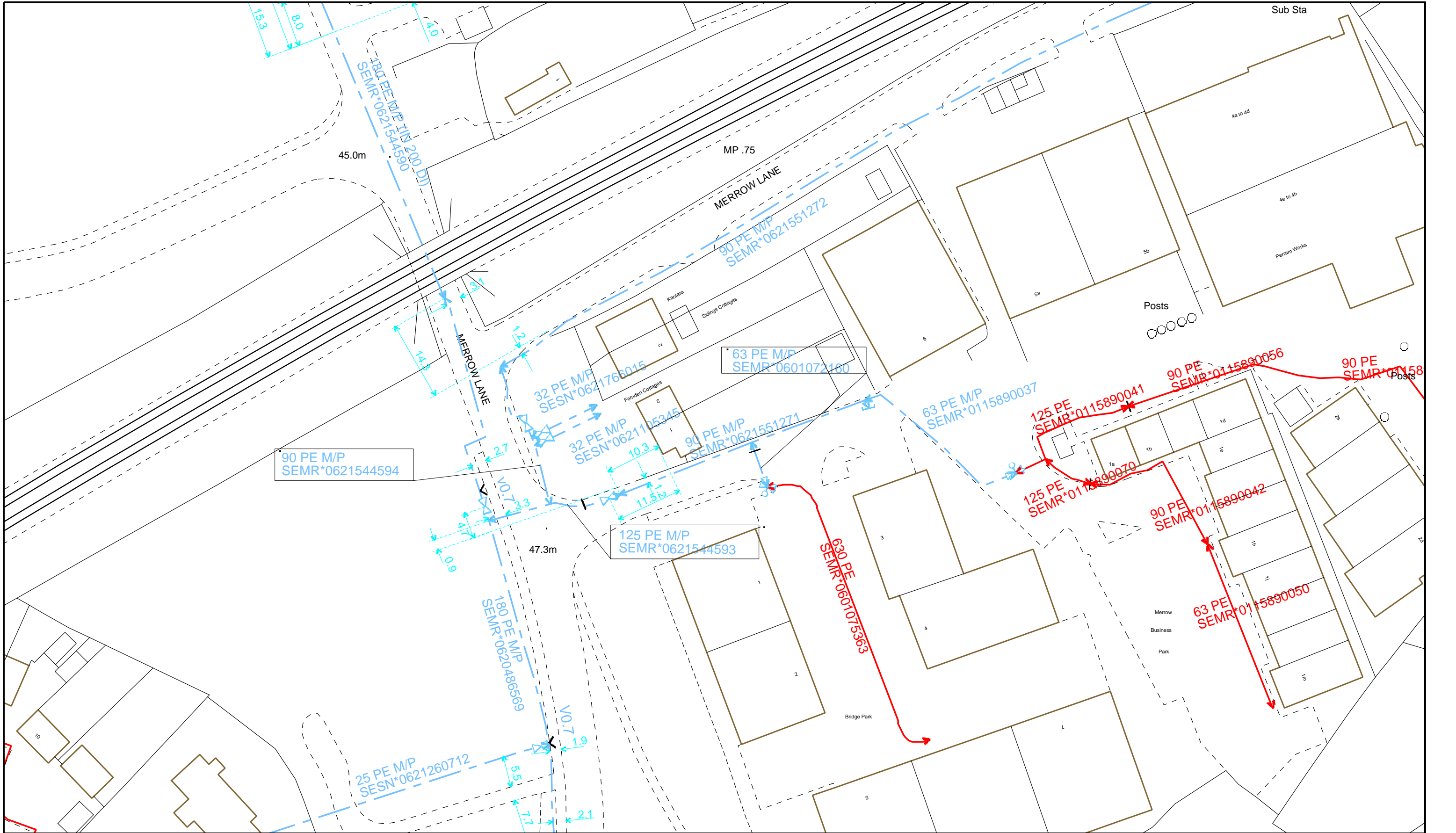
Extra cross-sections and detailed route drawings are available from this supplier in regards to Extra High Voltage equipment which may be present in the area. If you require such information, please email UK Power Networks, detailing the address of the site and the route numbers required (route numbers may be gained from the above UK Power Networks plans). Extra drawings and cross-sections will be then be sent to your address via post.

Please note: If no extra High Voltage cables run close to your site area, then extra drawings will not be available.

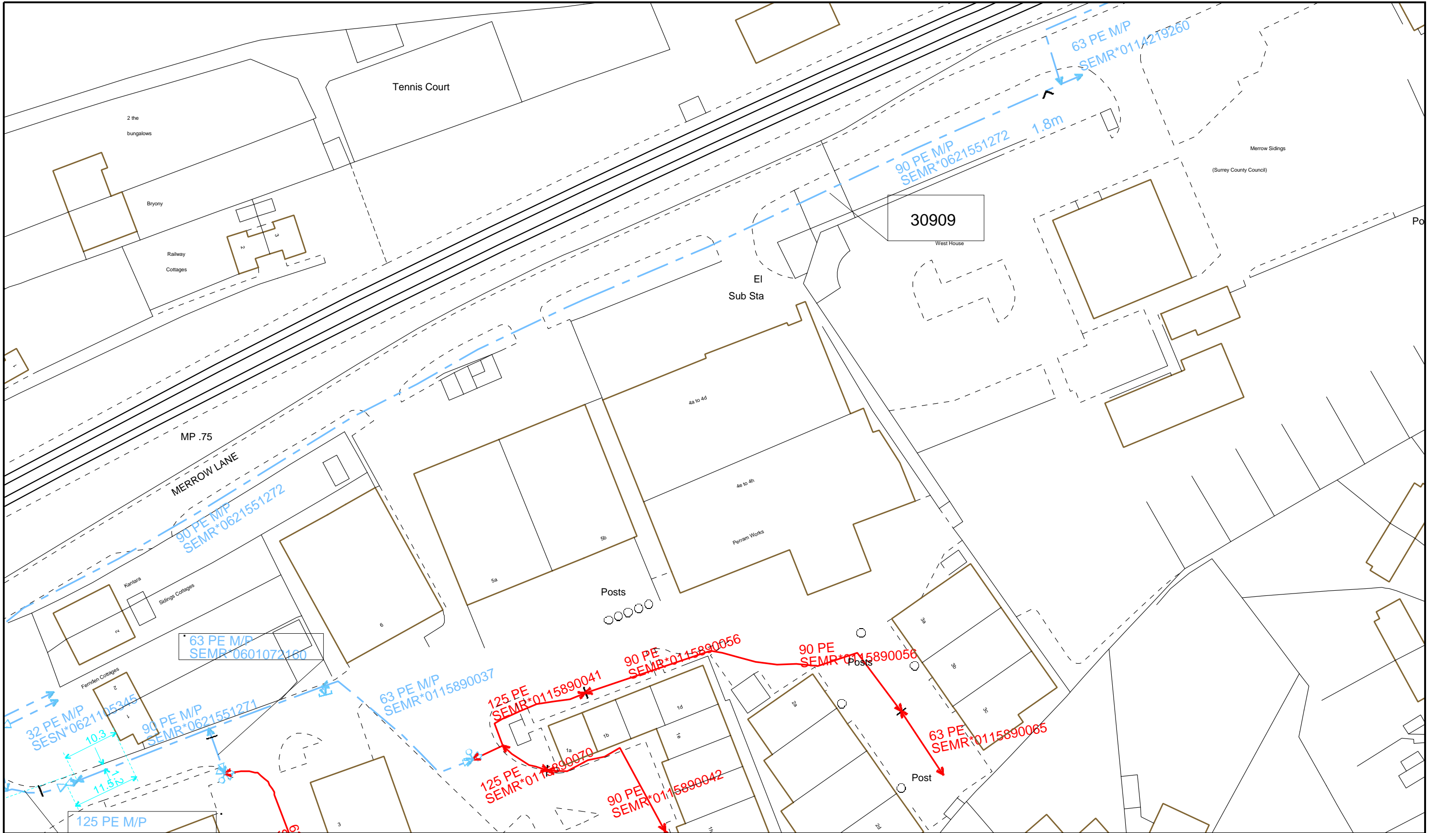
GAS




<p>USER ID: DATE: 28 Sep 2016 EXTRACT DATE: 07 Jul 2016 MAP REF: TQ0251NW CENTRE: 502465, 151860 SCALE: 1:1,277</p>	<p>LP Mains MP Mains IP Mains LHP Mains NHP Mains</p>	<p>This plan shows those pipes owned by Scotia Gas Networks plc in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Scotia Gas Networks plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.</p>	<p>Product: UtilityMaps Version: 1.6.8.1 Template: 'Scotia Gas Networks (A3 Landscape)'</p> <p> Scotia Gas Networks Delivering gas safely, reliably and efficiently</p> <p>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.</p>
<p>Valve Depth of Cover Syphon Diameter Change Material Change</p>			



<p>USER ID: DATE: 28 Sep 2016 EXTRACT DATE: 07 Jul 2016 MAP REF: TQ0251NW CENTRE: 502426, 151867 SCALE: 1:638</p>	<p>LP Mains MP Mains IP Mains LHP Mains NHP Mains</p>	<p>This plan shows those pipes owned by Scotia Gas Networks plc in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Scotia Gas Networks plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.</p>	<p>Product: UtilityMaps Version: 1.6.8.1 Template: 'Scotia Gas Networks (A3 Landscape)'</p> <p> Scotia Gas Networks Delivering gas safely, reliably and efficiently</p> <p>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.</p>
<p>Valve Depth of Cover Syphon Diameter Change Material Change</p>			



<p>USER ID: DATE: 28 Sep 2016 EXTRACT DATE: 07 Jul 2016 MAP REF: TQ0251NE CENTRE: 502524, 151919 SCALE: 1:638</p>	<p>LP Mains MP Mains IP Mains LHP Mains NHP Mains</p>	<p>This plan shows those pipes owned by Scotia Gas Networks plc in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Scotia Gas Networks plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.</p>	<p>Product: UtilityMaps Version: 1.6.8.1 Template: 'Scotia Gas Networks (A3 Landscape)'</p> <p> Scotia Gas Networks Delivering gas safely, reliably and efficiently</p> <p>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.</p>
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Valve

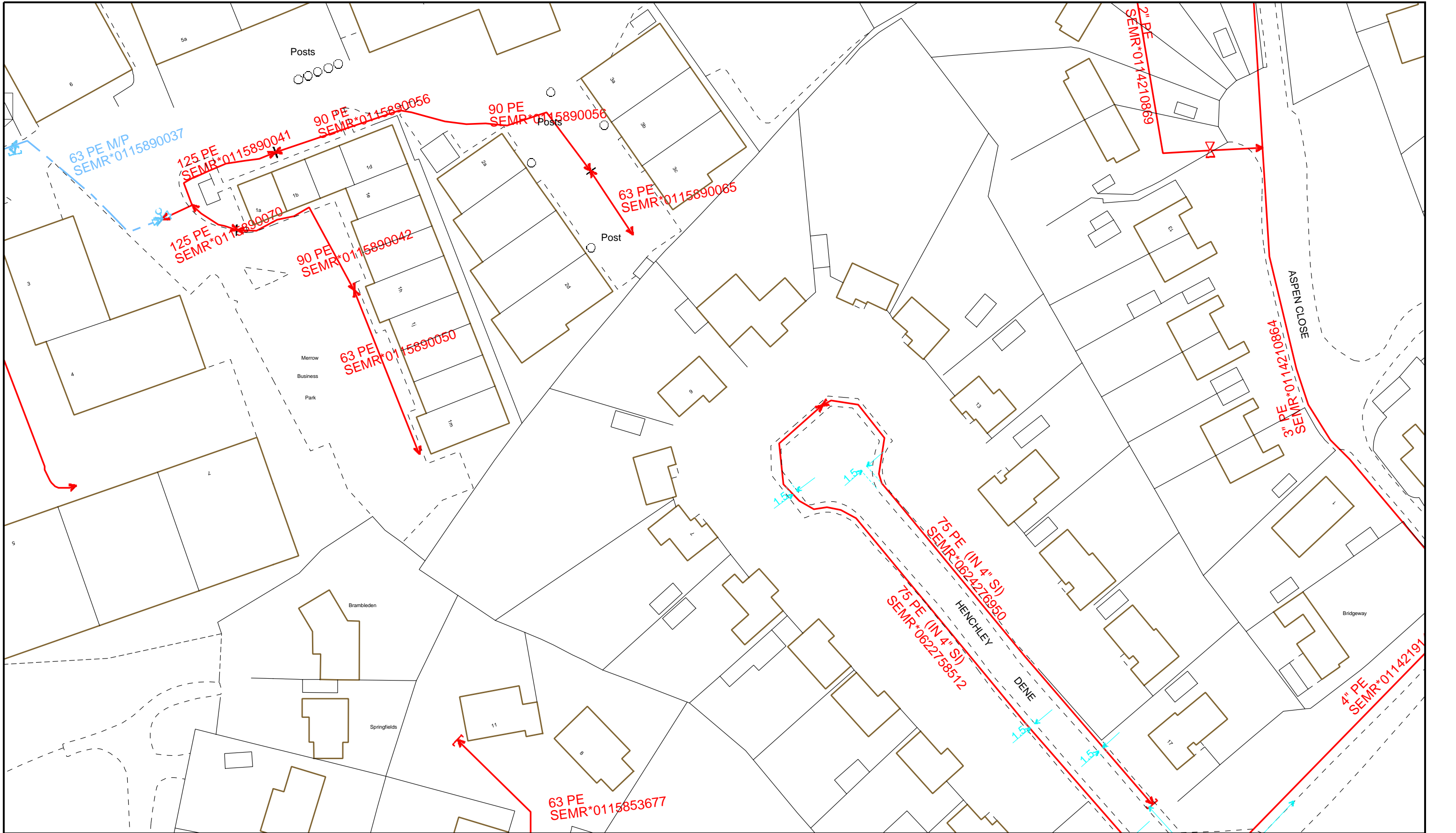
Depth of Cover


Syphon

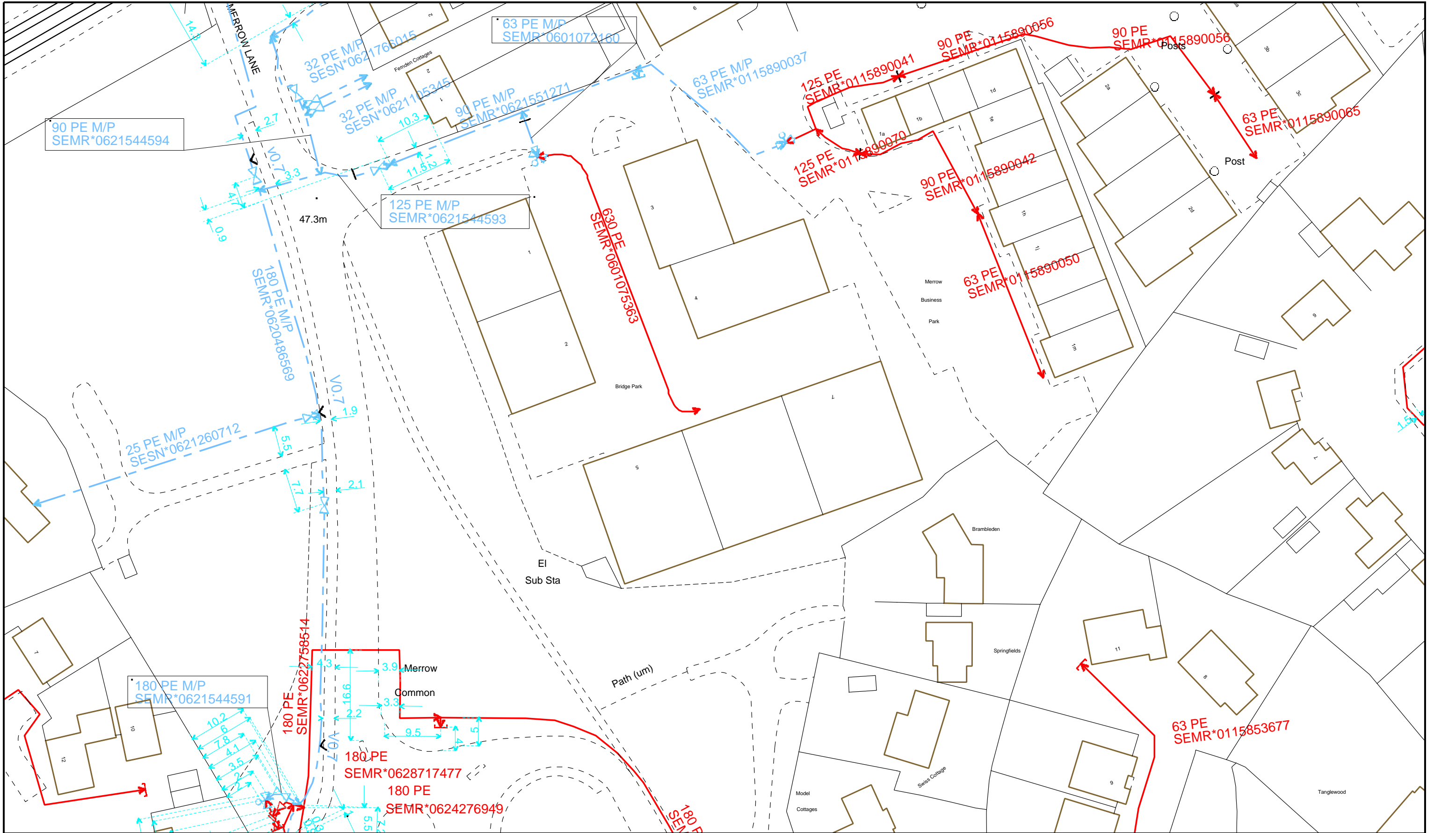
Diameter Change







Material Change


N



<p>USER ID: DATE: 28 Sep 2016 EXTRACT DATE: 07 Jul 2016 MAP REF: TQ0251NE CENTRE: 502580, 151821 SCALE: 1:638</p>	<p>LP Mains MP Mains IP Mains LHP Mains NHP Mains</p>	<p>This plan shows those pipes owned by Scotia Gas Networks plc in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Scotia Gas Networks plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.</p>	<p>Product: UtilityMaps Version: 1.6.8.1 Template: 'Scotia Gas Networks (A3 Landscape)'</p> <p> Scotia Gas Networks Delivering gas safely, reliably and efficiently</p> <p>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.</p>
<p>Valve Depth of Cover Syphon Diameter Change Material Change</p>		<p>N</p>	



<p>USER ID: DATE: 28 Sep 2016 EXTRACT DATE: 07 Jul 2016 MAP REF: TQ0251NW CENTRE: 502467, 151808 SCALE: 1:638</p>	<p>LP Mains MP Mains IP Mains LHP Mains NHP Mains</p>	<p>This plan shows those pipes owned by Scotia Gas Networks plc in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Scotia Gas Networks plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.</p>	<p>Product: UtilityMaps Version: 1.6.8.1 Template: 'Scotia Gas Networks (A3 Landscape)'</p> <p> Scotia Gas Networks Delivering gas safely, reliably and efficiently</p> <p>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.</p>
<p>Valve  Depth of Cover  Syphon  Diameter Change  Material Change </p>			



General safety measures to avoid injury and damage to gas plant



**Southern
Gas Networks**
A Scotia Gas Networks Company

The following protective and precautionary measures **MUST** be taken when working/excavating in the vicinity of our plant.

To avoid injury to yourself, your employees, colleagues and the general public you **MUST** verify the details provided on our plans by tracing, hand-digging, trial holes and suitably marking its position on site.

You **MUST** ensure current full colour copies of our plans are issued and the presence and location of our plant, prior to excavation, is understood by all relevant personnel on site.

In an emergency

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

- a. Get everyone away from the immediate vicinity of the gas escape;
- b. Inform us immediately by calling the National Gas Emergency Number on **0800 111 999***;
- c. Do not attempt to repair the escape or stop the leakage;
- d. Ask occupants of buildings adjacent to the escape to leave until it is safe for them to return;
- e. Damage to a service supplying a building may result in gas entering the building. Do not attempt to operate any valves;
- f. Prevent any approach to the immediate vicinity of the gas escape;
- g. Prohibit smoking and extinguish all naked flames. Do not use mobile phones or other sources of ignition within 15m from the leakage; and
- h. Assist our representatives, and other emergency services for example police, fire and ambulance as requested.

Additional reference material;

- HSE Guidance Note; HSG47 "Avoiding Danger from Underground Services" at www.hse.gov.uk and
- NJUG "Utilities Guidance on Positioning and Colour Coding of Apparatus" at www.njug.org.uk





Safe System of Work

We may request the production of Risk Assessments and Method Statements for any works deemed to have the potential to affect, cause risk to or pose a hazard to the safety and/or integrity of our plant. Where CDM legislation applies reference MUST be made to our plant within the site 'Health and Safety File'.

Financial

Every reasonable precaution MUST be taken to avoid personal injury or damage to our plant during the progress of the planned works. Any cost incurred by us for the repair of direct or consequential damage and the diversion of any affected plant will be recharged in full.

HSE

Any damage to our apparatus will be subject to legislative reporting responsibilities to the Health and Safety Executive under Reporting of Injuries, Diseases & Dangerous Occurrences Regulations (RIDDOR) and Gas Safety Management Regulations (GSMR).









Minimum safe working distances

If you are carrying out explosions, piling, splitting, boring and deep excavations, please contact us for further guidance. Trial holes MUST be dug by hand to determine the exact location of mains and service pipes in advance of mechanical excavation or thrust boring. Be aware of the potential for the presence of protruding objects from gas plant in the form of standpipes, test points and valve bodies.

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 (as depicted 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	3.0 metres	

Note: We MUST be consulted prior to any planned excavation works within 10m of Pressure Reduction Equipment and may consider issuing a Permit to Work, if appropriate.

High pressures

In addition to receiving a copy of our 'Safe working in the vicinity of Southern Gas Networks high pressure pipelines and associated installations', if any activities proposed are closer than the minimum distances listed below you **MUST** discuss with us to agree your site specific requirements.

Power Excavators in easements	>3 metres
Power Excavators in highway	>3 metres
Pressure testing	>8 metres
Piling	>15 metres
Demolition	>150 metres
Blasting	>250 metres
No-dig techniques	Method Statement required
Crossing easement with plant	Written Consent required

Clearance requirements

No plant is to be laid over and along the line of a gas pipe irrespective of clearance. To allow the future repair and maintenance of gas plant, a minimum clearance of 250mm for low and medium pressure pipelines and 600mm for intermediate and high pressure pipelines, or 1.5 times the external diameter of the gas pipe, which ever is the greater, should be maintained between the gas plant and any new plant. Where this minimum clearance cannot be achieved, site discussions should be held with us or our representatives to agree a suitable clearance. Explosives shall not be used within 30m of our plant (400m for Pressure Reduction Equipment) without prior agreement. No piling or boring shall be carried out within 15m of our plant without prior consultation and agreement.





Surface boxes/Manholes

Do not bury or move our surface boxes. Access **MUST** be maintained both during and after your works. No manhole cover or other structure is to be built over, around or under a gas pipe and no work is to be carried out which results in a reduction or increase in cover or protection without prior written agreement.

Deep excavations

Where excavations adjacent to any of our potentially affects its security and integrity, adequate protection (approved by us) **MUST** be applied to such plant. Ground movement around gas **MUST** be prevented. If a sewer trench or any other water authority is to be constructed at greater than 1.5 metres deep near to a buried gas main or service pipe, we **MUST** be contacted. We should be provided with detailed drawings showing the line and width of the proposed sewer or other trench, together with the soil group classifications of the area concerned.

Crossing our plant

The placing of heavy construction plant, equipment, materials or the passage of heavy vehicles over our plant is prohibited unless specially agreed protective measures (i.e. the construction of reinforced crossing points) have been carried out. This is particularly important where reductions in side support or ground cover are planned.

Working in easements should not be undertaken without our prior written consent.

Exposed plant

Where excavations adjacent to gas plant 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 and restraints, thrust blocks and supports **MUST** not be removed without our agreement.

Hot works

The potential exists for heat damage to plastic pipelines/coatings. Where welding or other hot works involving naked flames is to be carried out in proximity to our plant, our representative should be present.

Backfilling

Concrete backfill should not be placed closer than 300mm to our plant. No concrete or hard material should be placed under or adjacent to any of our plant. Shuttering **MUST** be constructed so as to prevent fresh concrete encasing our plant and to maintain the stated clearances. Material used for the surround backfill of our plant **MUST** conform to the following requirements:

- 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 should not be used; and
- It **MUST** be laid to a minimum depth of 250mm above the crown of the pipe.

Note: Power ramming should not take place until a 300mm hand rammed layer has been completed over the crown of the pipe.

Access

Access to sites and our plant **MUST** be provided at all times. This includes temporary structures and spoil heaps over our pipes.





Tree planting

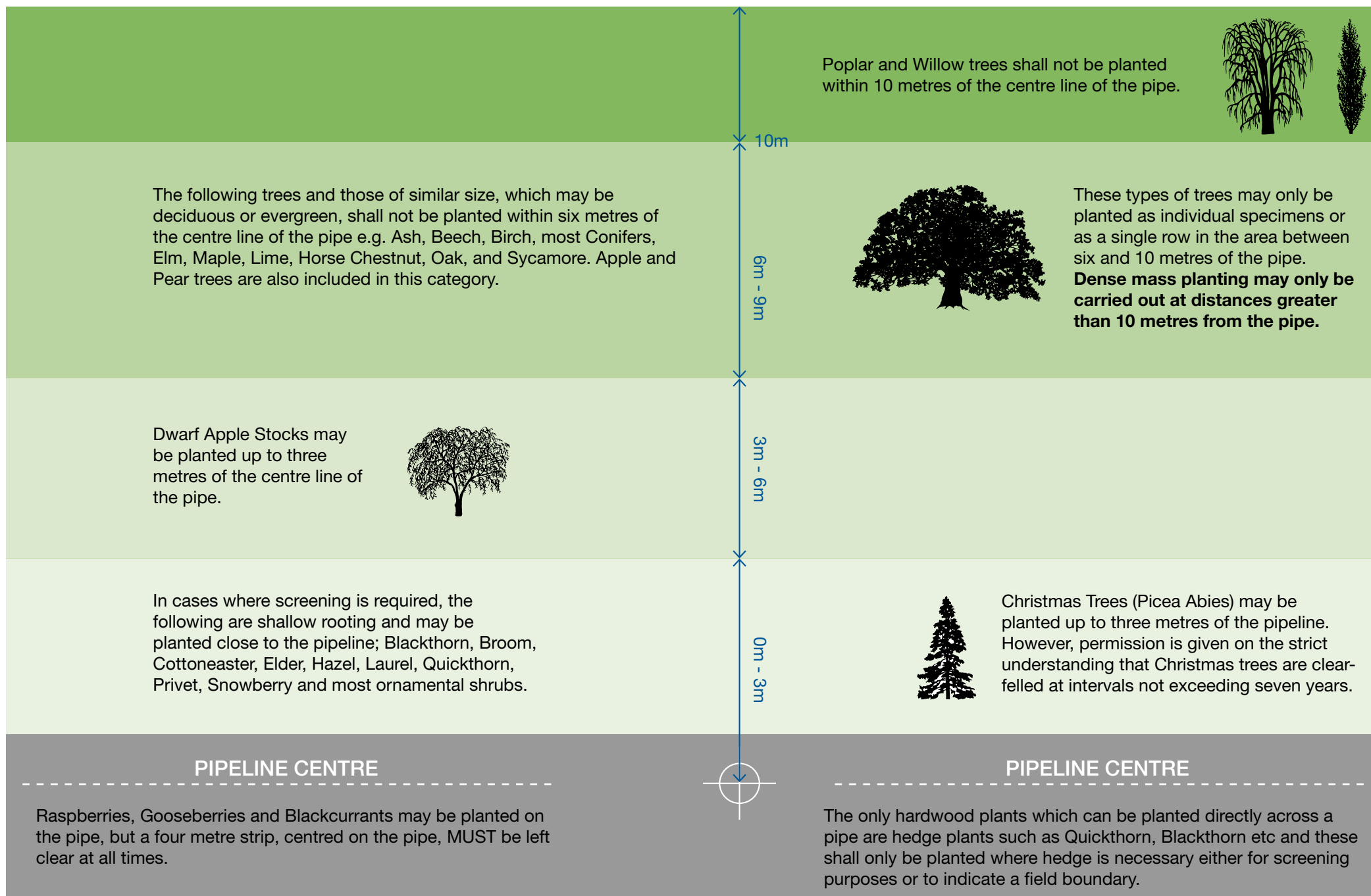
If trees or shrubs are to be planted adjacent to our plant, the selection of the type of tree or shrub and its planting **MUST** be considered so that root damage to buried mains or services will be avoided and that damage to trees or shrubs will not be caused by any subsequent excavations for repair and maintenance.

Before any tree planting is carried out on the easement, our written approval **MUST** be obtained. Any approval we grant to plant trees on the easement shall be subjecting to retaining the rights to remove, at any time in the future, all trees which in our opinion might become a danger to the pipe.

The written consent to plant trees will state what area may be planted and also the type of tree.

See over for specific species and the distances they **MUST** be planted from the pipeline.





Note: For further guidance refer to NJUG 10.

Notes

Notes

Southern Gas Networks provides a free plant location enquiry service during office hours.

Our Plant Location Team has retained ISO 9001 certification



We regret that information cannot be supplied by telephone. Requests MUST be made in writing (via letter, email or fax). For ALL enquiries please include the following information:

1. Full contact details (name, company name, address, telephone number and e-mail address).
2. Full site address, postcode and easting/northing grid reference.
3. Plan showing the site boundary.
4. Details of the work to be carried out.
5. The proposed start date (please specify if work is planning only).

TELECOMS & CABLE

Utility Reports

From:
Sent: 19 September 2016 10:53
To: Utility Reports
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.
Attachments: Merrow Business Park.pdf; Data Key + Special Requirements.pdf

Please accept this email as confirmation that Vodafone: Fixed does have apparatus within the vicinity of your proposed works.

Please see attached network information.

IMPORTANT - PLEASE READ - Your Next Step?:-

Where apparatus is affected and requires diversion, please send all the scheme related proposals that affects the Vodafone Network with a request for a 'C3 Budget Estimate'. Please ensure you include a plan showing proposed works. (A location plan is insufficient for Vodafone to provide a costing). These estimates will be provided by Vodafone directly, 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). Diversionary works may be necessary if the existing line of the highway/railway or its levels are altered.

Kind regards,

Plant Enquiries Team

ATKINS working on behalf of Vodafone: Fixed



This response is made only in respect to electronic communications apparatus forming part of the Vodafone: Fixed 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.



Please consider the environment before printing this e-mail

From: Utility Reports [mailto:Utility.Reports@technicsgroup.com]
Sent: 16 September 2016 21:27
To:
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

Re: NRSWA91 Plant Location Request. SP16677

RE: Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA

OS Grid: 502542,151858
Our Reference: SP16677

Our Company is currently undertaking a utility survey of the site indicated by the co-ordinates detailed above and the area highlighted on the attached plan/map.

As part of this survey we are required to indicate positions and descriptions of all main statutory services and wayleaves on site and in the adjoining roads where applicable.

We therefore request that you supply us with relevant plan information at your earliest convenience.

Thanking you in advance of your co-operation.

Yours faithfully

Stephen Sawyer
Technical Report Administrator

For and on behalf of Technics Group



Please visit our website www.technicsgroup.com

T: 01483 230 080
E: utility.reports@technicsgroup.com

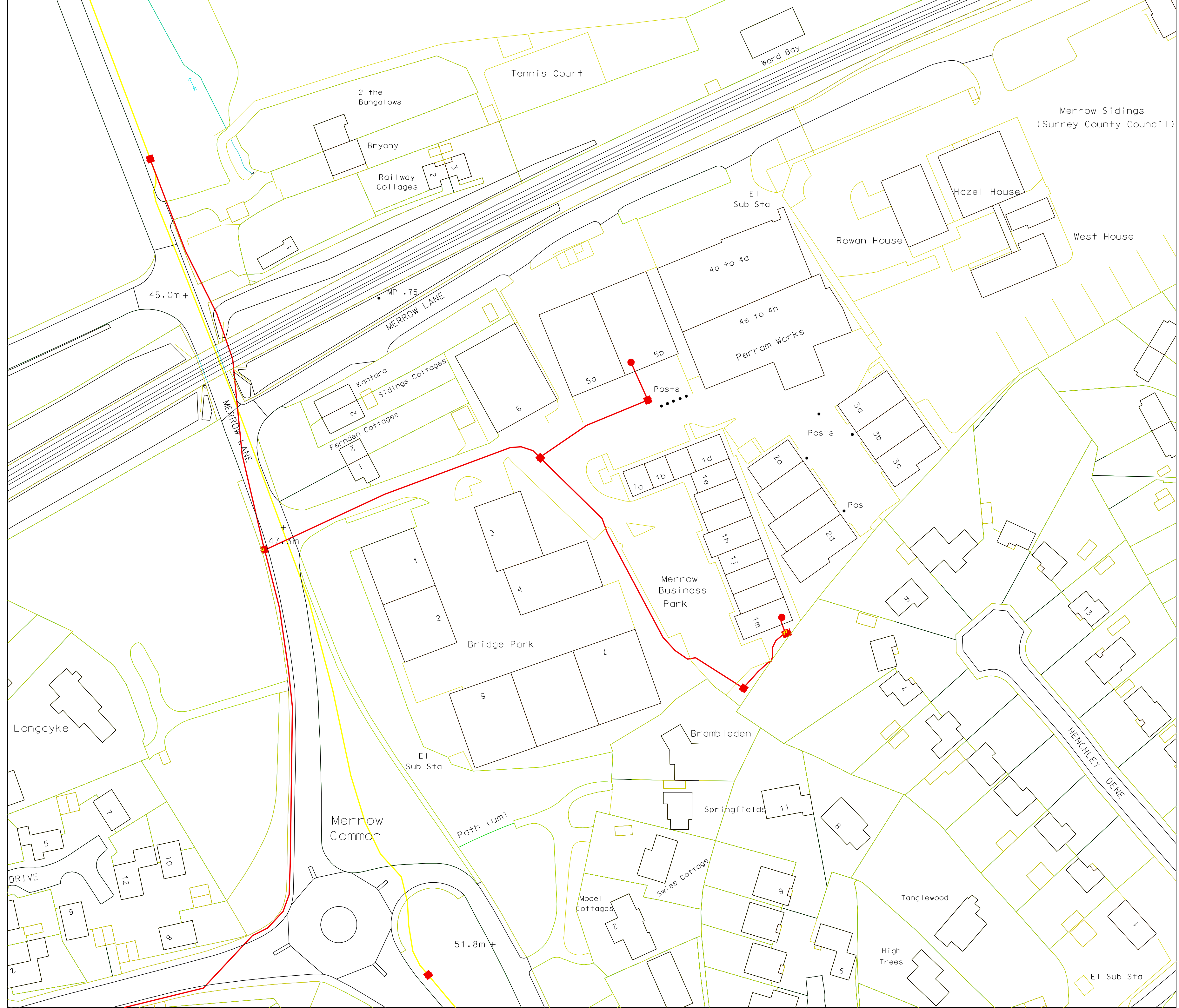
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Registered Office: Technics House, Merrow Business Park, Guildford, GU4 7WA

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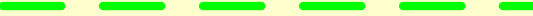


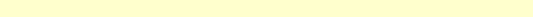
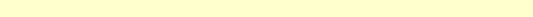
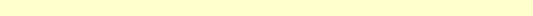
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Vodafone Network Colour:

	Ex-Cable&Wireless UK Network (now Vodafone)
	Planned & Approved Route
	Planned Route – Awaiting Approval
	Other Licensed Operator (OLO)
	Ex-Thus Network (now Vodafone)
	Ex-Energis Network (now Vodafone)
	OLO

Other:

	Overhead Electricity Line (non Vodafone)
	Network Rail

Other Licensed Operator (OLO).

= Ex-Cable&Wireless UK, Energis and Thus fibre-optic cable within an OLO duct. Please contact all other operators for further details of their apparatus within that area.

Fibre Services

Special Requirements relating to the External Plant Network of Vodafone

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1. Introduction

This document sets out the procedure that will apply when Other Parties intend or are undertaking works in the vicinity of Vodafone apparatus.

2. Purpose of document

This document provides a means by which the Vodafone specific special requirements relating to their apparatus, regardless of it being situated in the public highway / road, private street, land or any other areas, is made aware to Other Parties.



3. Scope

This document will be presented to Other Parties or Contractors to encourage those undertaking works within the vicinity of Vodafone apparatus to refer to and comply with. This is in order to protect where necessary the Vodafone apparatus and to avoid damage to the apparatus and loss of service.

A National Joint Utilities Group (NJUG) document NJUG 9 titled "Recommendations for the Exchange of Records of Apparatus between Utilities" provides useful reference material.

It should be noted that, where appropriate, additional information on avoiding danger from underground apparatus is contained within the HSG47 guidance book titled "Avoiding Danger from Underground Services."

4. Vodafone Network and Apparatus

Damage to Vodafone apparatus is extremely disruptive and can be expensive to repair, especially where long lengths of cable have to be replaced.

In order to maintain the network integrity and minimise disruption to service, it is essential that disturbances are absolutely minimal. When working within the vicinity of Vodafone apparatus, extreme care is necessary in order to avoid costly repairs. The Other Parties / Contractor shall make every effort to ensure that disturbance of Vodafone apparatus is no more than is absolutely necessary for the completion of the works in accordance with their contract.

5. Plant records

It is the responsibility of the Other Parties undertaking works which may affect Vodafone apparatus to obtain all relevant Vodafone plant records from our agent Atkins Global prior to works commencing. This may be done by contacting the Atkins Global Plant Enquiries Team listed in Appendix B.

Plant records for such enquiries will generally be provided within 10 working days of receipt and in compliance with the New Roads and Street Works Act 1991 [NRSWA] requirements. If Vodafone plant is affected, the response will contain reference to this document. Other Parties and Contractors are advised to refer to the National Joint Utilities Group [NJUG] 9 Document which outlines recommendations for the exchange of records of apparatus between utilities.

6. Definitions

The following definitions are applicable in this document:

- a) **Apparatus** means all electronic communications apparatus above surface, at the surface or sub-surface apparatus, Cable, Jointing Chamber and plant formerly being apparatus owned or used by the Code Operators Cable & Wireless UK, Energis Communications Limited, Thus Group Holdings Plc and Your Communications Limited including any associated cables or ducts owned, leased or rented by the said Code Operators now owned and used by the Code Operator Vodafone Limited ("Vodafone").
- b) **Cable** means any polythene or other sheath containing optical fibres or metallic conductors.
- c) **Depth of cover** means the depth from the surface to the topmost barrel of the duct nest, in the case of ducts encased in concrete, to the top of the concrete, and in the case of directly buried cable, the top of the cable.
- d) **Jointing chamber** means any manhole, surface box or other chamber giving access to Vodafone apparatus or their network.
- e) **Utility** means an organisation licensed to provide gas, water, electricity, Cable TV or telecommunications services.
- f) **Developer** means an organisation licensed to develop industrial/residential premises or given license to connect to utility apparatus.



- g) **Contractor** means the individual, firm or company contracted to undertake the work for a Utility or Other Parties.
- h) **Other Parties** means the Utilities, Highway Authorities, Developers, Street Authority (Roads Authority - Scotland).
- i) **Site** means the location of, or in the vicinity of, the various works.

7. Requirements

Prior to commencing any work or moving heavy plant or equipment over any portion of the site, the Other Parties or Contractor shall notify Vodafone of their intentions. This may be done by contacting Atkins Global, contact listed in Appendix B.

Upon receipt of this notification, Atkins Global will identify if Vodafone apparatus is affected. If any Vodafone apparatus is affected by the works then Atkins Global will provide necessary records and confirm details of Vodafone apparatus and network operated within the affected area or adjacent to the proposed work site.

7.1 Location of Plant

It is the responsibility of the Other Parties or Contractors to undertake adequate plant location procedures. These may include searches for metallic cables which must be performed by actively inducing a signal in a cable conductor via a transmitter. A passive search is not considered sufficient.

Before applying a tracing signal to the Vodafone apparatus, the Other Parties or Contractors shall seek confirmation from Atkins Global that the Vodafone apparatus will not suffer any disruption to its networks normal workings as a result of the nature of the signal being induced.

7.2 Trial excavations

Optic fibre cables are very susceptible to damage from excavation tools. They are not electrically conductive and cannot be located by radio induction methods. Once an approximate location is known, the exact location must be ascertained by means of hand dug pilot holes. Where the work to be carried out by the Other Party or Contractor involves excavation in the vicinity of our apparatus, the Other Party or Contractor shall, by trial excavation at his own expense, determine the exact location and depth of the Cable & Wireless Worldwide apparatus. All excavations adjacent to the Vodafone apparatus are to be carried out by hand until the extent and /or location of the apparatus is known.

All excavation work shall be executed in accordance with the current issue of Health and Safety series booklet HSG47, Avoiding danger from underground services.

8. Depths of cover

The Other Party or Contractor should note that the minimum depths of cover for Vodafone apparatus shall be maintained together with specified separation requirements. Where the minimum depths of cover specified by Vodafone cannot be maintained, the Other Party or Contractor shall at their own expense, carry out the instructions of Vodafone requirements for the protection or diversion of their apparatus.

The Other Party or Contractor should have particular regard to the possibility of encountering Vodafone apparatus (including ducts and cables), at depths of cover other than that reported.

Surface cables (such as cables on bridges or walls) which are liable to be placed in danger from the Other Parties or Contractors works shall be protected, at the Other Parties expense, as directed by the Vodafone representative.

9. Separation

Reference should be made to HSG47 to ensure that adequate separation is achieved. The following details outline the specific requirements of Vodafone and capture the HSG47 requirements.



9.1 High voltage cables

High voltage single core cables of 1000 V and above shall have a minimum clearance from Company Apparatus of 500 mm.

High voltage multi-core cables of 1000 V and above shall have a minimum clearance from Company Apparatus of 350 mm.

In exceptional circumstances where the above clearances cannot be maintained, the separating distance may be reduced to a minimum of 175 mm. In such circumstances, concrete, of a quality as directed by the Company Representative, must be inserted to completely fill the space between the High Voltage cable and the Company Apparatus, in accordance with the requirements of the Company Representative. Any further services must have a minimum clearance of 250 mm from the concrete.

9.2 Low voltage cables

Low voltage cables of less than 1000 V shall have a minimum clearance from Company Apparatus of 180 mm. In exceptional circumstances where the above clearance cannot be maintained, the separating distance may be reduced to a minimum of 75 mm. In such circumstances, concrete, of a quality as directed by the Company Representative, must be inserted to completely fill the space between the services, in accordance with the requirements of the Company Representative. Any further services must have a minimum clearance of 250 mm from the concrete.

9.3 Ancillary electrical apparatus

Lamp posts, traffic posts and other such ancillary electrical apparatus shall have a minimum clearance of 150 mm from underground Company Apparatus and 600mm clearance from above ground Company Apparatus.

9.4 High pressure gas mains and other Undertakers plant/equipment

High pressure gas mains shall have a minimum clearance of 450 mm from Company Apparatus. All other undertakers' plant and equipment, when running in parallel with Company Apparatus, shall have a minimum clearance of 200mm. Where gas mains cross Company Apparatus, the minimum clearance shall be 200mm. All other undertakers' plant and equipment, when running across Company Apparatus, shall have a minimum clearance of 100 mm.

9.5 Other Undertakers plant

Other undertakers' plant and equipment which runs in parallel with Company Apparatus shall have a minimum clearance of 200mm. All other undertakers' plant and equipment when running across Company Apparatus shall have a minimum clearance of 100mm.

9.6 Tramways

Each separating distance shall be individually agreed with the Company Representative.



10. Jointing chambers

10.1 Protection

Footway type jointing chambers are not designed to withstand carriageway loadings.

Where such chambers are liable to be placed at risk, either temporarily or permanently, from vehicular traffic or from the movement of plant and/or equipment, they will need to be adequately protected. Alternatively, they may have to be demolished and rebuilt to carriageway standards, at the Other Parties or Contractors expense under supervision of Vodafone representative.

All Vodafone jointing chambers and / or other access points shall be kept clear and unobstructed. Access for vehicles, winches, cable drums and / or any further equipment required by Vodafone for the maintenance of its apparatus, must be maintained at all reasonable times.

10.2 Access

The covers to Vodafone jointing chambers and / or apparatus shall only be lifted by means of the appropriate keys and under the direct supervision of a Cable & Wireless Worldwide representative. Other Parties or Contractors shall not enter any Vodafone jointing chamber and / or apparatus unless under the supervision of a Vodafone representative and in any case not before the mandatory gas test has been carried out in the presence of Vodafone representative and such checks have shown it to be safe to enter the Vodafone chamber and / or apparatus. The Other Parties or Contractors shall be given reasonable access to Vodafone apparatus and chambers when required.

11. Notification periods

Where the Other Parties or Contractors works or the movement of plant or equipment may endanger Vodafone apparatus, the Other Party or Contractor shall give the Vodafone agent Atkins Global [as indicated at Appendix B] at least 7 working days notice in writing of the intended date to commence operations.

No excavation should be made without first consulting the relevant Vodafone apparatus layout drawings, which will be made available from the Vodafone agent Atkins Global on request and allowing 28 working days for processing the relevant drawings. However, should this not be possible, direct contact should be made to the Atkins Global Bristol Plant Enquiries Team as soon as possible to assess the situation.

When excavating, moving or backfilling (including use of Foamed Concrete for Reinstatements – FCR) around Vodafone apparatus, Atkins Global (as agent for Vodafone) shall be given adequate prior written notice of the Other Parties or Contractors intentions, in order that the works may be adequately supervised. Such notice shall not be less than 3 working days.

12. Excavation and backfill

All excavations adjacent to Vodafone apparatus are to be carried out by hand until the extent and or location of the Vodafone apparatus is known.

Use of mechanical borers and / or excavators shall not be used without the supervisory presence of a Vodafone representative or a given exemption.

Shuttering of the excavation or support to Vodafone apparatus, at the Other Parties or Contractors expense, shall be used as directed by the Vodafone representative.

At least 7 working days notice must be given to Vodafone in order that any special protective measures which may be required to protect Vodafone apparatus, at the Other Parties or Contractors expense, when equipment such as pile driving, explosives, laser cutting high powered RF equipment or RF test gear, is to be used in conjunction with the works.

Other Parties or Contractors are advised to refer to the National Joint Utilities Group [NJUG] 4 Document which outlines the identification of small buried mains and services.



13. Foam concrete

If foam concrete is being used as the backfill material, it shall not be used either above or within 500 mm of any Company Apparatus. A suitable material in accordance with the specification for the Reinstatement of Openings in Highways shall be substituted.

14. Attendance of Company Representative

If a situation requires the attendance on site of a Vodafone representative for a continuous period of more than 6 hours, suitable facilities shall be provided by the Other Party or Contractor, at their expense, to meet the office and ablution requirements.

15. Damage reports

In the event of any damage whatsoever occurring to Vodafone apparatus, the Other Party or Contractor shall immediately inform Vodafone by contacting Julia Burgoyne, (for contact details please refer to Appendix B).

All relevant costs of any subsequent repair and / or removal of the Vodafone apparatus shall be charged to the Other Party or Contractor, irrespective of who affects the repair.

The above requirements do not relieve the Other Party or Contractor of any of their obligations under their contract.



Appendix A - office address details



Appendix B – Street Works Team Contacts for Vodafone

Function	Name	Job Title	Address	Phone	Mobile	Fax	Email Address
Co-ordination	Sandra Semple	National Street Works Manager	Glasgow Office (see above)	0141 303 2857	07775 792133	0141 300 9611	sandra.semple@cw.com
Customer Complaints	CMC	Customer Management Centre	n/a	08456 021585	n/a	n/a	n/a
Liability Claims	Julia Burgoyne	Major Incident Resolution Coordinator	Bristol Office (see above)	01454 895114	07803 259857	n/a	julia.burgoyne@cw.com
Diversiory Works	Samantha Wilkinson	C3 Diversiory Works Project Controller	Manchester Office (see above)	0161 423 2740	n/a	n/a	samantha.wilkinson@cw.com
Emergencies (24 Hour)	CMC	Customer Management Centre	n/a	08456 021585	n/a	n/a	n/a
Plant Enquiries- Including Thus Plc, (formerly Scottish Telecom), Your Comms (formerly Norweb), Energis & Mercury Communications	Plant Enquiries Team	n/a	Atkins Global PO Box 290 500 Aztec West, Almondsbury, Bristol, BS32 4RZ	01454 662881	n/a	01454 663330	Osm.Enquiries@atkinsglobal.com



16. About this Document

Content Owner

Price, David J

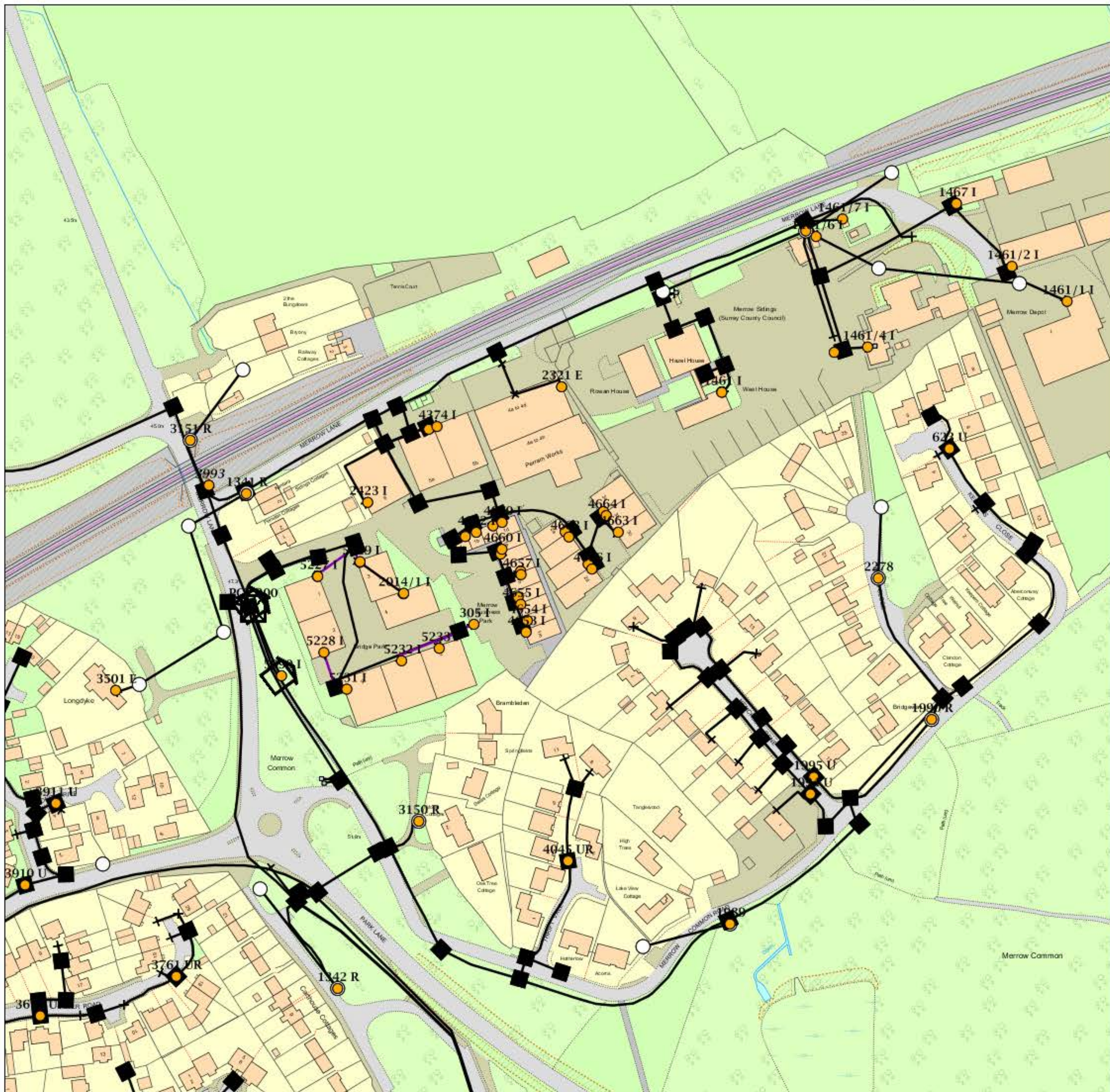
Changes since last version

Reformatted using the current Vodafone template.

End of Document



Maps by email Plant Information Reply



IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy.

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



F

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a BT Group business

KEY TO BT SYMBOLS

DP	
Planned DP	
PCP	
Planned PCP	
Built	
Planned	
Inferred	
Building	
Kiosk	
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

Reproduced from the Ordnance Survey map by BT by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office
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BT Ref : QUX02159F
Map Reference : (centre) TQ025425 1858
Easting/Northing : (centre) 502542, 1518
Issued : 27/09/2016 14:15:52

WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE.



CIVILS AND CABLING INSTALLATION SPECIALIST

19 September 2016

Dear Sir/Madam,

Your Ref: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA

Our Ref: E09-16-2542

With reference to your enquiry regarding the above noted location, I enclose the drawings on behalf of LEVEL 3, GLOBAL CROSSING (UK) LTD, GLOBAL CROSSING PEC, FIBERNET UK LTD and FIBRESPAN Ltd indicating the approximate position of services in this area.

I would draw your attention to the fact that while the position of the plant has been shown as accurately as possible, the information is intended as a general guide only and must not be relied upon in the event of any excavations or other work in the vicinity. I would remind you that the onus remains on you to determine the exact position for example by a hand excavated trial hole. Instalcom accepts no liability for claims arising from any inaccuracy, omissions or errors contained herein. If you would like to query the location further, please email us accordingly and we can arrange an in depth survey, which will be charged at a cost. Enclosed is a guide to excavation works around existing plant.

Instalcom responds to plant enquiries for LEVEL 3, GLOBAL CROSSING (UK) LTD, GLOBAL CROSSING PEC and FIBERNET UK LTD simultaneously and therefore you only need send one copy of a plant enquiry to cover all of these companies. As we are moving towards a fully electronic database we urge our customers to request plant enquiries by email which will result in a higher level of service,

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

Plant Enquiries Administrator



Certificate Number 7604
ISO 9001
ISO 14001
OHSAS 18001



Part of OCU Group



Google earth

feet
km



SPECIAL REQUIREMENTS IN RELATION TO LEVEL 3 PLANT

1. In this special requirement, the following terms shall have the meanings assigned to it :-
 - a. "Company" means Level 3.
 - b. "Company Representative" means the staff of Level 3 or its Authorized Representatives and Agents.
 - c. "Apparatus" means all surface or sub-surface equipment and plant including any associated cabling and/or ducting owned leased or rented by Level 3.
2. Before commencing any work or moving heavy plant or equipment over any portion of the site, the contractor shall confirm details of the Apparatus, owned, leased or rented by the Company, within the site with the Company Representative
3. Where such details show that the works or the movement of plant or equipment may endanger the Apparatus of the Company the Contractor must give the Company Representative at least 7 days written notice of the date on which it is intended to commence such works of the movement of plant and equipment in order that the presence of any sub-surface apparatus can be indicated by markers to be supplied by the Company and placed by the Contractor under the supervision of a Company Representative. The Contractor shall ensure that all Company Apparatus, particularly surface running cabling is adequately protected from damage and such protective measures shall be approved by the Company Representative.
4. In the event of a Company marker being disturbed for any reason, it shall not be replaced other than in the exact position of its former depth unless the repositioning is carried out at the direction and under the supervision of a Company Representative.
5. The Contractor shall take particular care in relation to the protection of Company Apparatus, where such Apparatus includes the presence within the site of optical fibre cabling. The contractor should particularly note that the damage to such Apparatus is extremely disruptive to the Company network and costly to reinstate. The Contractor shall make every effort to avoid the disturbance of Company Apparatus more than is absolutely necessary for the completion of the works in accordance with the contract.

6. When excavating around, moving or backfilling around Company Apparatus, the Company Representative shall be given adequate notice, which shall not be less than 3 days, of the contractor's intentions in order that he may supervise the works. The Contractor should note that the normal depth of cover for Company Apparatus and ducts are as follows: -

- a. Carriageways 600mm
- b. Footways 350mm
- c. Verges 450mm

These minimum depths of cover should be maintained wherever possible.

Where the minimum depths of cover cannot be maintained, the Contractor shall carry out the instructions of the Company Representative for the protection of Company Apparatus.

Where cables are not in duct and the required depth of cover cannot be maintained, such cables as are affected shall be enclosed and protected in UPVC duct or equivalent materials as supplied by the Company and by the method directed by the Company Representative.

With regard to excavation in the vicinity of Company Apparatus the Contractor should have particular regard to the possibility of reduced cover and the encountering of such Company Apparatus at depths of cover less than that given at **a, b and c above**.

7. All excavation adjacent to Company Apparatus is to be carried out by hand until the exact extent and/or location of Company Apparatus is known. Mechanical borers and/or excavators shall not be used within 1.0m of Company Apparatus without the supervisory presence of a Company Representative, To prevent any movement of Company Apparatus during excavations, complete shuttering shall be used as directed by the Company Representative if:-
- a. Excavation is deeper than the depth of cover of adjacent Company Apparatus.
 - b. Excavation is within 1.0m of Company Apparatus in stable ground.
 - c. Excavation is within 5.0m of Company Apparatus in unstable ground.

If for the completion of the works, the Contractor intends using any of the following: -

- a. Pile driving equipment within 10.0m of Company Apparatus.
- b. Explosives within 20.0m of Company Apparatus.
- c. Laser equipment within 10.0m of Company Apparatus.

The Contractor shall advise the Company Representative, giving at least 7 working days written notice in order that any special protective measure for the Company Apparatus affected may be arranged.

8. All Company manhole, joint box and /or other access points and chambers within the site shall be kept clear and unobstructed. Access for vehicles, winches, cable drums and/or further equipment required by the Company for the maintenance of it's Apparatus, must be maintained at all reasonable times. The Contractor should particularly note that footway type jointing chambers are not specified for carriageway loadings and will need to be adequately protected and/or demolished and rebuilt under the supervision of a Company Representative where such chambers are likely to be placed at risk, either temporarily or permanently, from the movement of plant and/or equipment on the site.

9. The covers to Company chambers and/or Apparatus shall only be lifted by means of appropriate keys obtained from the Company Representative and under the direct supervision of the Company Representative. No employee of the Contractor or of any sub-contractor employed by the Contractor shall enter any chamber and/or Apparatus of the Company unless under the supervision of the Company Representative and in any case not before the mandatory gas check has been carried out in the presence of the Company Representative and such checks have shown it to be safe to enter the chamber and/or Apparatus of the Company.

The Company Representatives shall be given reasonable access to all Company Apparatus and chambers when required.

10. In the event of any damage whatsoever to Company Apparatus, the Contractor shall immediately inform the Company Representative and report the occurrence immediately by contacting the Company

11. The above requirements do not relieve the Contractor of any of his obligations under the Contract.

The accuracy of information on the plans cannot be guaranteed and no liability can be accepted for errors or omissions.

Damage to Communications Plant is Expensive – Please Take Care.



TO WHOM IT MAY CONCERN (APPLICANT)

Date as postmark

Re: On Rail Plant Protection and Diversionary Works.

History

Level 3 Communications UK Limited ("Level 3") has leased from Network Rail PLC ("Network Rail") telecommunication cabling lying alongside the railway track throughout the United Kingdom, under a Finance Lease dated 30 June 1994.

Level 3 has run cables on the railway infrastructure throughout the UK under the provision of the Network Rail Deed of Grant dated 31 March 1995.

Level 3 has two wayleave agreements with London Underground Limited to lay Fibre Optic cables in the London Underground environment dated 30th March 1994 and 24th April 1998.

Level 3 has a wayleave agreement with Serco and Docklands Light Railway to lay Fibre Optic cables alongside the Docklands Light Railway dated 18th March 2011

Level 3 has an agreement with City, Greenwich, Lewisham Rail Link PLC to lay cabling along the Lewisham extension of the Docklands Light Railway dated 11th February 2002.

Application

The Applicant is proposing to undertake civil engineering works on the On Railway infrastructure (either Network Rail, London or Underground Limited or Docklands Light Railway) and has requested Level 3 to divert cabling so that the civil engineering work may proceed, and also has requested Level 3 on completion of the civil engineering work, to replace the cabling along its original route

Please be advised that with effect from 1st June 2011, Level 3 has been employing a nominated Agent to deal with all On Rail Plant Protection and Diversionary Works on Level 3 behalf.

This will cover enquiries for and from the following list of Companies:

Level 3 Communications UK Limited
Level 3 Communications Limited
Level 3 Europe Limited
FiberSpan Limited
Global Crossing (UK) Telecommunications Limited

Level(3)

Global Crossing Europe Limited
GC Pan European Crossing UK Limited
Racal Telecommunications Limited
Racal - BR Telecommunications Limited
BR Telecommunications Limited
Fibernet UK Limited
Fibernet Limited
Fibernet Group Limited
Fibernet Holdings Limited
Fibernet Quest Limited
Frontier Telecommunications Ltd
Frontel Communications Ltd
TANet

The Applicant is required to liaise with the nominated Agent in order to make arrangements for the carrying out of the On Rail Plant Protection and Diversionary Works.

The nominated Agent is further authorised to collect all relevant costs associated with the On Rail Plant Protection and Diversionary Works.

The nominated Agent has signed CCN 003 to their Framework Agreement P2772 and P2830 which states that "Instalcom" shall be liable for any and all charges levied against Level 3 if Instalcom (including its employees, subcontractors or Agent) has acted fraudulently or negligently or breached the Framework Agreement P2772 and P2830 including CCN 003.

Level(3)

For and on behalf of Level 3 Communications UK Limited: -

Signed.....*A. Venables*.....

Print.....*A. VENABLES*.....

Title:*PROCUREMENT DIRECTOR*.....

Date.....*14 OCTOBER 2014*.....

Utility Reports

From:
Sent: 23 September 2016 10:48
To: Utility Reports
Subject: Level3 response PR957 Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.
Attachments: Clandon.docx

Hello Stephen

Positive for the area and detail attached, but we should see no impact as assets are adjacent the running rail.

Regards

Global Crossing is now Level 3.
Have an issue you need to report?

Now you can open new tickets or view status of existing tickets and network outages real-time through the Service Management on the new look MyLevel3 Customer Portal!

From: Utility Reports [mailto:Utility.Reports@technicsgroup.com]
Sent: 21 September 2016 17:06
To:
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

Re: NRSWA91 Plant Location Request. SP16677

RE: Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA
OS Grid: 502542,151858
Our Reference: SP16677

Our Company is currently undertaking a utility survey of the site indicated by the co-ordinates detailed above and the area highlighted on the attached plan/map.

As part of this survey we are required to indicate positions and descriptions of all main statutory services and wayleaves on site and in the adjoining roads where applicable.

We therefore request that you supply us with relevant plan information at your earliest convenience.

This request is being made following an Instalcom enquiry, which indicated the presence of your plant in the area.

Please note: We are required to procure mapping for all utilities in the area of our site, regardless of depth or location (e.g. we are required to map plant located within existing tunnel systems & railway lines). Could you please therefore provide mapping of your plant in this area regardless of its status.

Thanking you in advance of your co-operation.

Yours faithfully

Stephen Sawyer
Technical Report Administrator

For and on behalf of Technics Group



Please visit our website www.technicsgroup.com

T: 01483 230 080
E: utility.reports@technicsgroup.com

Technics Group is the trading name of Sitechnics Limited & Subtechnics Limited
Subtechnics Limited Registered in England No. 3668620 Sitechnics Limited Registered in England No. 3236243
Registered Office: Technics House, Merrow Business Park, Guildford, GU4 7WA

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Although Technics Group operates anti-virus software, it does not accept responsibility for any damage whatsoever that is caused by viruses being passed.
Any views or opinions presented are solely those of the author and do not necessarily represent those of Technics Group.
Technics Group may monitor replies to this email for operational or business reasons



A End	B End	Length	Fibres
SURAGUIECF/J03 26.25MP(NGL) -88m TQ0325852224	SURAGUIECF/J04 Clandon Station (LS) 25.0MP(NGL) -4m TQ0506952833	1,980m	48
SURAGUIECF/J04 Clandon Station (LS) 25.0MP(NGL) -4m TQ0506952833	SURAGUIECF/J05 23.75MP(NGL) +80m TQ0691053417	1,980m	48
SURAGUIECF/J05 23.75MP(NGL) +80m TQ0691053417	SURAGUIECF/J05a 23.75MP(NGL) -46m	126m	48



Technics Group

Technics House,
Merrow Business Park,
Guildford,
GU4 7WA

Plant Enquiry Ref: VM.157312
Letter Date 12.09.2016
Your Ref: SP16677
Date: 15.09.2016

Dear Sir/Madam,

Enquiry Location: Technics House, Merrow Business Park, Guildford, GU4 7WA

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.

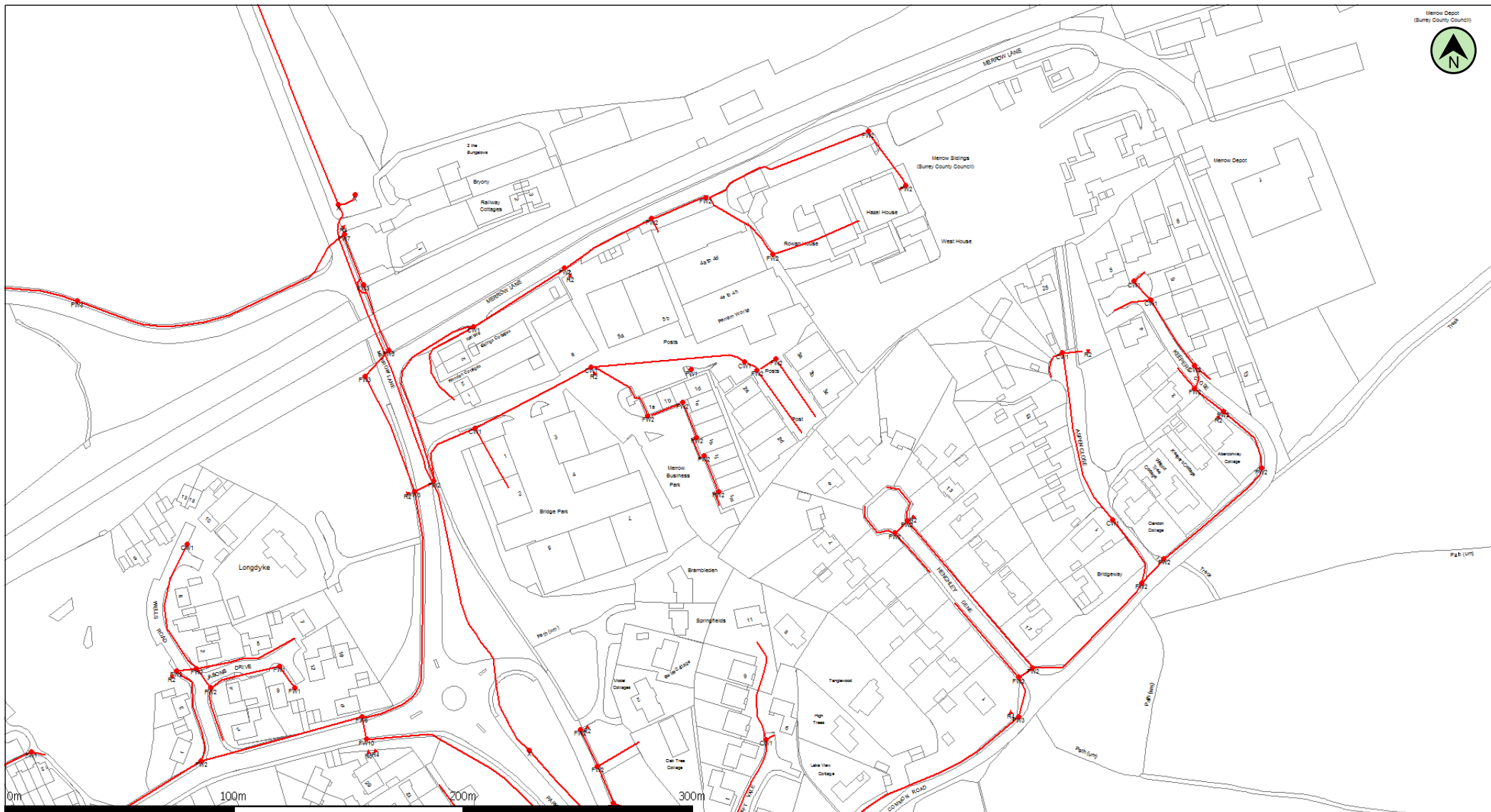
This initial payment will cover the following: -

- 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.

Yours faithfully

National Plant Enquiries Team,



(c) Crown copyright and database rights 2016 Ordnance Survey 100019209 Date: 15/09/16 Scale: 1:2357 Map Centre: 502542,151858 Data updated: 04/09/16 Telecoms Plan A4

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

Duct, Trench



Chamber



Cabinet



VM.157312



NETWORK RAIL



NRSWA Asset Enquiries

Date: 20 September 2016

Your Reference **2016_13096**

Our Reference: **SET156349 RP7**

Dear NRSWA,

Re: Underground Services Search: **OP Merrow Business Park, Merrow Lane, Guildford, Surrey**

Please find information available as per the checklist.

The information contained herein is based on Network Rail's records and, where appropriate, third parties such as utility companies. The search enclosed does not cover a search of local council records. Also, schematic Signal and Telecom (S&T) cables plans are not provided as part of the search results, therefore you must assume S&T cables are present until proven otherwise.

Although at the date of this letter the information is as up to date as possible, it is **NOT** a statement of validity, accuracy or completeness as to any of the enclosed search information and must not be relied on as such.

Your risk assessment **MUST** take into account:

- That the information supplied, including the services shown on the map from the Rail Infrastructure Network Model (RINM), does not provide any guarantee as to the accuracy of the actual location of services on site and **MUST** be considered as for guidance purposes only.
- That new/unrecorded services are likely to be present
- That the enclosed Underground Services search information has been collated only for the ELR and Mileage boundaries as stated on the original request form

Included in your underground services search is a list of local engineers and managers you **MUST** contact before any ground disturbance is carried out, to check whether further information is held locally.

Further guidance can be obtained from the Health and Safety Executive publication HSG47 "Avoiding Danger from Underground Services" and the Network Rail Publication NR/L2/INI/CP1030.

Should you become aware of any additional underground services or assets within the locality during your investigations and/or works, including redundant assets, please identify them as a matter of urgency to the site manager. Records of the location of these assets should be kept for onward transmission and entry into the Hazard Directory.

Yours sincerely

UNDERGROUND SERVICES INFORMATION CHECKLIST



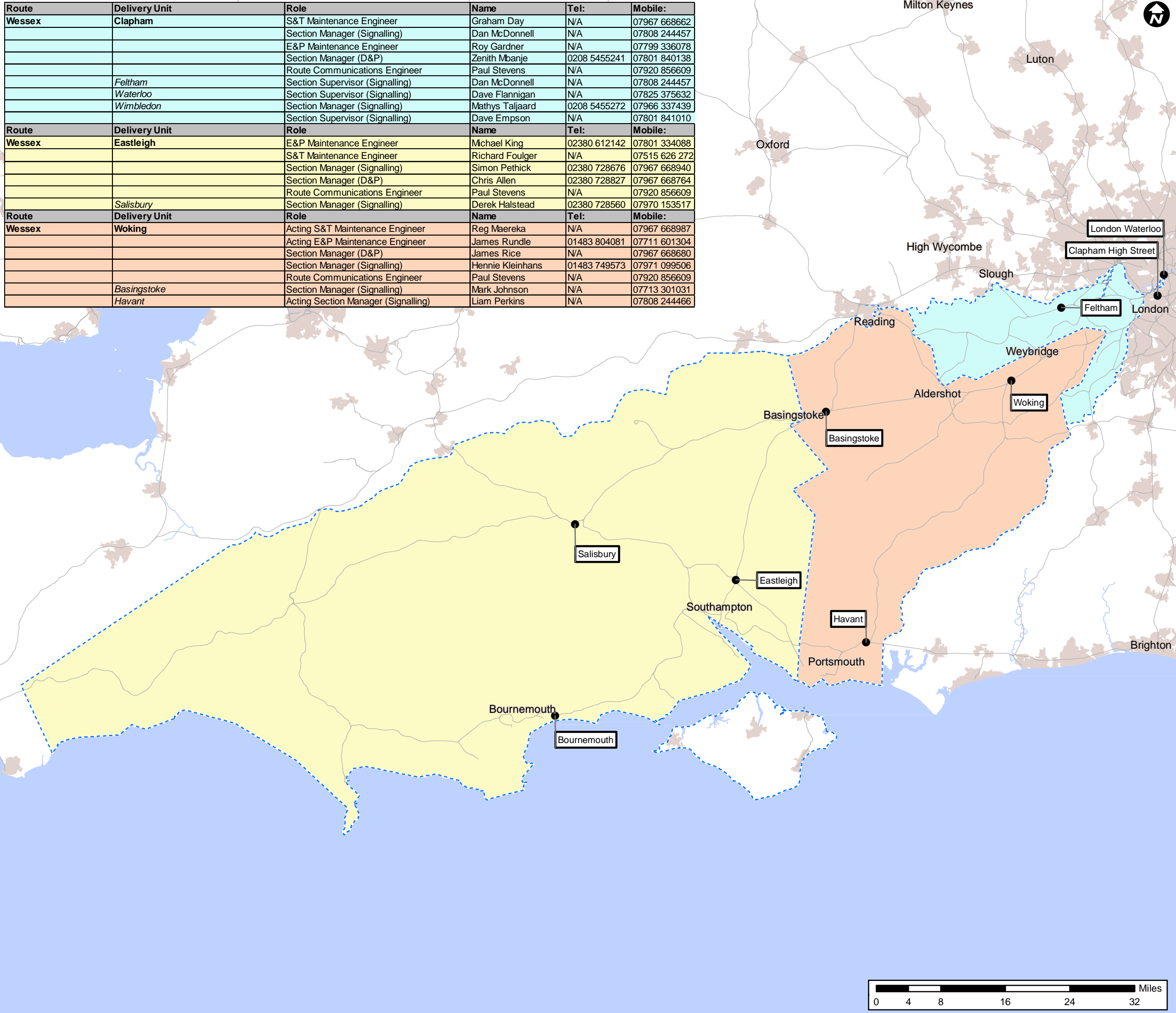
YOUR REF	2016_13096	OUR REF	SET156349
LOCATION	**OP** Merrow Business Park, Merrow La	ELR	NGL
MILEAGE FROM	26.1128	MILEAGE TO	26.1372
Utility Company/Internal Source	Category	Enc	Notes
RINM/ GI Portal	GIS Systems	Yes	
Hazard Directory	Hazard	Yes	
Civils SE	NRG	Yes	
eBrowser	NRG	Yes	

NIL RETURN: After interrogating the information made available to us, no records containing underground services information have been returned for this worksite.

However, reference must be made to the guidelines supplied with this underground services search, which contain important information on safe working practices.

Upon receipt can you please check that the information provided agrees with this listing and if there are any discrepancies please contact the Underground Services Team

Route	Delivery Unit	Role	Name	Tel:	Mobile:
Wessex	Clapham	S&T Maintenance Engineer	Graham Day	N/A	07967 668662
		Section Manager (Signalling)	Dan McDonnell	N/A	07808 244457
		E&P Maintenance Engineer	Roy Gardner	N/A	07799 336078
		Section Manager (D&P)	Zenith Mbanje	0208 5455241	07801 840138
		Route Communications Engineer	Paul Stevens	N/A	07920 856609
		Section Supervisor (Signalling)	Dan McDonnell	N/A	07808 244457
		Section Supervisor (Signalling)	Dave Flannigan	N/A	07825 375632
		Section Manager (Signalling)	Mathys Taljaard	0208 5455272	07966 337439
		Section Supervisor (Signalling)	Dave Empson	N/A	07801 841010
Wessex	Eastleigh	E&P Maintenance Engineer	Michael King	02380 612142	07801 334088
		S&T Maintenance Engineer	Richard Foulger	N/A	07515 626 272
		Section Manager (Signalling)	Simon Pethick	02380 728676	07967 668940
		Section Manager (D&P)	Chris Allen	02380 728827	07967 668764
		Route Communications Engineer	Paul Stevens	N/A	07920 856609
		Section Manager (Signalling)	Derek Halstead	02380 728560	07970 153517
Wessex	Woking	Acting S&T Maintenance Engineer	Reg Maereka	N/A	07967 668987
		Acting E&P Maintenance Engineer	James Rundle	01483 804081	07711 601304
		Section Manager (D&P)	James Rice	N/A	07967 668680
		Section Manager (Signalling)	Hennie Kleinhans	01483 749573	07971 099506
		Route Communications Engineer	Paul Stevens	N/A	07920 856609
		Section Manager (Signalling)	Mark Johnson	N/A	07713 301031
		Acting Section Manager (Signalling)	Liam Perkins	N/A	07808 244466



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LEGEND

- Stations
- Rail Network
- IMDM Boundaries
- Urban Areas
- IMDM Boundaries
 - IMDM Clapham
 - IMDM Eastleigh
 - IMDM Woking

Local Contacts List - Wessex IMDMs

Client: Buried Services

Job No: 10104 104 [Internal Use Only]

Scale : 1:700,000

Date : 08/06/2016

Produced By: Data Services - AIS



GEO-RINM

This material from the Rail Infrastructure Network Model (RINM) is a guide only and although every effort will be made to ensure that the information is correct you should be aware that the information may be incomplete, inaccurate or out of date. Network Rail shall not be liable for any loss or damage, which may arise from the use of any information, contained.



☐ Infrastructure Features






 Tunnel Bore

☐ Infrastructure Network Model

 Track Link

☐ OS MasterMap

☐ Points

-  General Feature, Positioned...
-  General Feature, Positioned...
-  Height Control, Bench Mark
- Historic Interest, Structure
- Inland Water, Culvert
-  Political Or Administrative, Boundary...
- Rail, Structure
- Roadside, Structure
- Structure,
-  Structure, Triangulation Point Or Pillar
- Terrain And Height, Spot Height

☐ Symbols

-  Bench Mark
-  Boundary Half Mereing
-  Direction of Flow
-  Switch
-  Road Related Flow

☐ Line Features

- - Building
- Building
- - Building Overhead
- General Feature Edge
- General Feature

- General Feature Underground
- Top of Slope
- Bottom of Slope
- Bottom of Slope

- Narrow Gauge Railway
- Standard Gauge Railway
- Overhead Construction
- Validate General Feature
- Rail
- Mean High Water
- Mean High Water
- Mean Low Water
- Mean Low Water

☐ Boundaries

- Political Or Administrative, County
- Political Or Administrative, District
- Political Or Administrative, Electoral
- Political Or Administrative, Parish
- Political Or Administrative, Parliamentary

☐ Buried Services - Network Rail

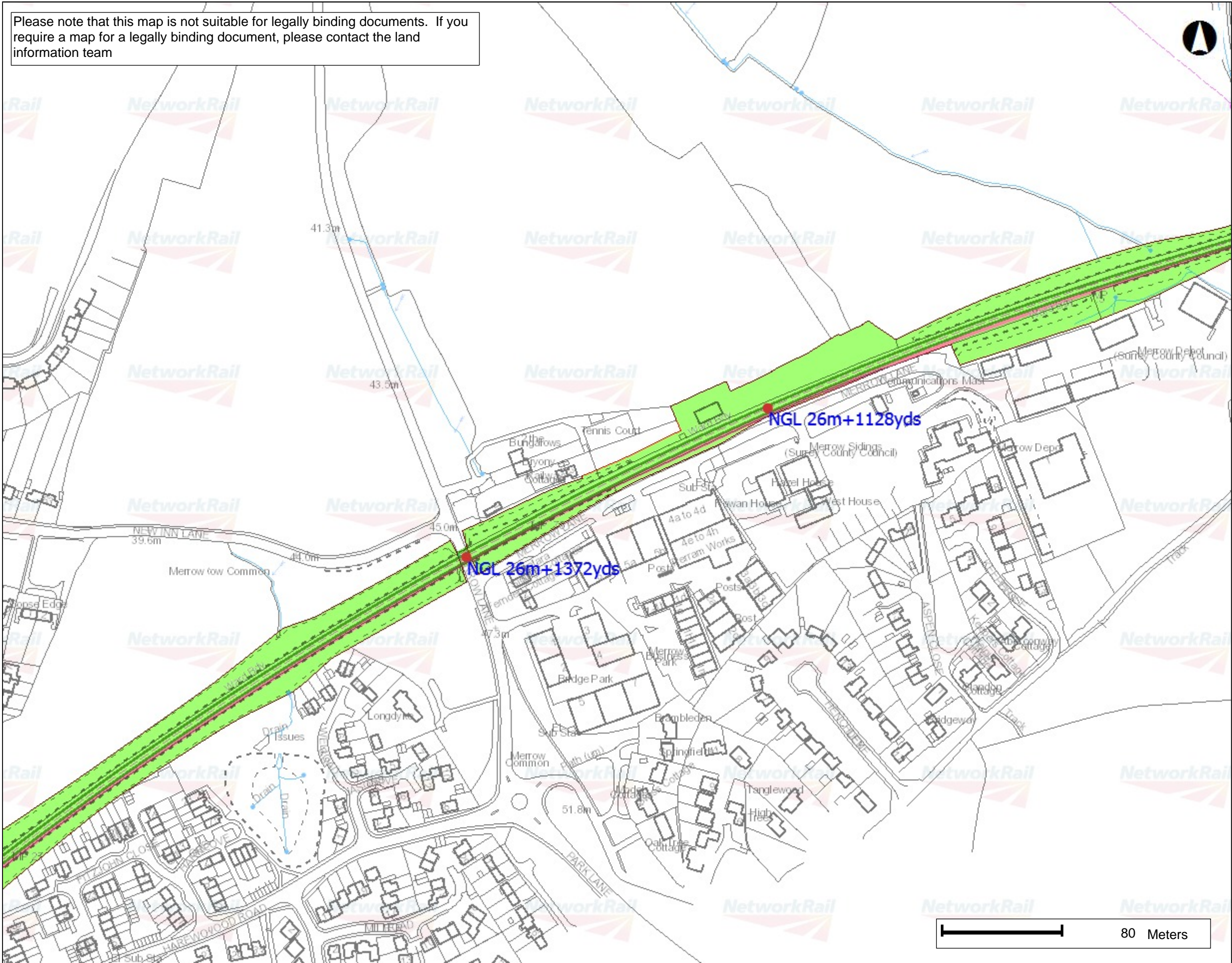
- Historic Cable Route

☐ Land Information

☐ Company Ownership

-  Freehold Ownership
-  Leasehold Ownership
-  Prohibitive Interest
-  Bridge (Rail over Rail)
-  Bridge (Rail over River)
-  Bridge (Rail over Road)
-  Bridge (Road over Rail)
-  Level Crossing
-  Tunnel

Please note that this map is not suitable for legally binding documents. If you require a map for a legally binding document, please contact the land information team



Legend

Tunnel Bore

Track Link

Points

- General Feature, Positioned Coniferous Tree
- General Feature, Positioned Nonconiferous Tree
- Height Control, Bench Mark
- Historic Interest, Structure
- Inland Water, Culvert
- Political Or Administrative, Boundary Post Or Stone
- Rail, Structure
- Roadside, Structure
- Structure,
- Structure, Triangulation Point Or Pillar
- Terrain And Height, Spot Height

Symbols

- Bench Mark
- Boundary Half Mereing
- Direction of Flow
- Switch
- Road Related Flow

Line Features

- Building
- Building
- Building Overhead
- General Feature Edge
- General Feature
- General Feature Underground
- Top of Slope
- Top of Slope
- Bottom of Slope
- Bottom of Slope
- Narrow Gauge Railway
- Standard Gauge Railway
- Overhead Construction
- Validate General Feature
- Rail
- Mean High Water
- Mean High Water
- Mean Low Water



SET156349

Merrow Business Park, Merrow Lane,

Scale	1 : 2,500
Plot Date	20/09/16 13:37
Printed By	

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Output created from GeoRINM Viewer



National

Hazard

Directory

Terms and Conditions

The National Hazard Directory (NHD) is issued by Network Rail to provide information on those hazards recorded as present on Network Rail's infrastructure. Its purpose is to alert users to the typical hazards they may come across whilst working on Network Rail's Infrastructure. The National Hazard Directory is maintained by Network Rail to provide its employees and contractors with information on known hazards present on the infrastructure in order to assist in the identification of the associated risks working 'on or near the line'.

The records are updated regularly and therefore Network Rail believe that the contents are reasonably accurate at the time of issue, but some of the information can vary in age and accuracy so for that reason Network Rail will give no warranty as to the suitability of its use. It is recommended that all searches (in particular for buried services) should be conducted together with a site specific risk assessment/site visit, taking into account the requirements of the appropriate track safety rules, rule books/industry standards and so on. Network Rail will accept no liability in respect of the content or subsequent use of the National Hazard Directory or any of the information contained within.

Users of the Directory must note that when working on or near the line that the appropriate requirements of the Rule Book, especially the provisions of the track safety rules, must be applied as appropriate to the activity concerned.

OnTrac Ltd does not warrant the use of the Network Rail National Hazard Directory or any of the information contained within and no representations or warranties are made as to completeness or accuracy of the data. The data should be used for reference purposes only. Accordingly, OnTrac Ltd will accept no responsibility for loss of profit or for any indirect, incidental or consequential damages.

National Hazard Directory**Customised Report**

Search Criteria: ELR(s) = NGL; Mileage From = 26.1128; Mileage To = 26.1372

Date: 20/09/2016

8 Hazards found.

ELR	ELR Name	Mileage From	Mileage To	Hazard Code	Hazard Description	Local Name	Track ID	Free Text
NGL	HAMPTON COURT JN - GUILDFORD JN (GUILDFORD NEW LINE)	24.0110	26.1157	HBE	Buried Electrical Cables	East Clandon-Merrow	Unknown	
NGL	HAMPTON COURT JN - GUILDFORD JN (GUILDFORD NEW LINE)	26.1157	29.1721	HBE	Buried Electrical Cables	Merrow-Guildford	Unknown	NGL EXTENDED TO 30 MILES 89 YARDS
NGL	HAMPTON COURT JN - GUILDFORD JN (GUILDFORD NEW LINE)	26.1166	26.1166	HXE	Buried & Overhead Electric Cable	Clandon buried & overhead electric cable	All/Multiple Tracks	OVERHEAD POWER LINES
NGL	HAMPTON COURT JN - GUILDFORD JN (GUILDFORD NEW LINE)	26.1166	26.1166	HA	Authorised Walking Route	Clandon walking route	Unknown	1.25 miles SW. Country end. of Clandon Station. From New Inn Lane, turn right under bridge and first left. Gate on left. Substation on up side.
NGL	HAMPTON COURT JN - GUILDFORD JN (GUILDFORD NEW LINE)	26.1166	26.1166	MAP	Authorised Access Point - Pedestrian	Opposite Merrow Substation	Down Main/Fast	Risk Rating 3,Hazard Rating 2,Score 6,Steps No.
NGL	HAMPTON COURT JN - GUILDFORD JN (GUILDFORD NEW LINE)	26.1187	26.1187	HXE	Buried & Overhead Electric Cable	Clandon buried & overhead electric cable	All/Multiple Tracks	O/H & U/G Cables
NGL	HAMPTON COURT JN - GUILDFORD JN (GUILDFORD NEW LINE)	26.1319	26.1319	HBF	Buried Foul Water Service	London Road, Guildford buried foul water services	All/Multiple Tracks	Sewer Info on underground/overhead services <gas, water, electricity> has not been validated.
NGL	HAMPTON COURT JN - GUILDFORD JN (GUILDFORD NEW LINE)	26.1319	26.1319	HXE	Buried & Overhead Electric Cable	Clandon buried & overhead electric cable	All/Multiple Tracks	Cable in Roadway & Gate in Fence

From:

Sent: 16 September 2016 10:24

To:

Subject: Underground Services search: NRS **OP** Merrow Business Park, Merrow Lane, Guildfor (SET156349)

Follow Up Flag: Follow up

Flag Status: Completed

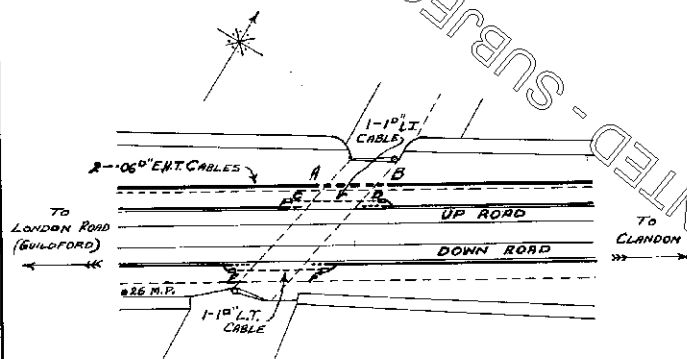
Action taken by NRG:

No records found

NST Ref: SET156349

SOUTHERN RAILWAY. - BURIED CABLE CHARTS.

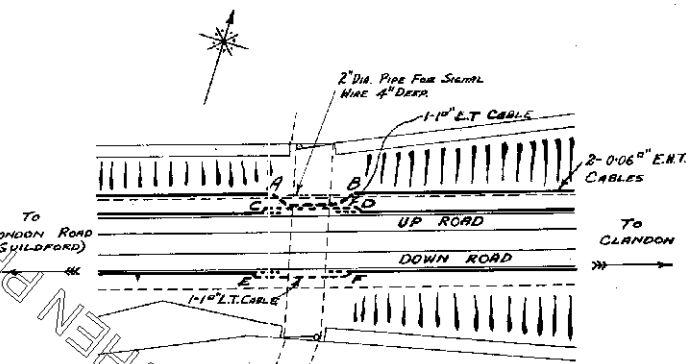
COTSWOOD OCCUPATION CROSSING.



GUILDFORD CORPORATION.
A-B.-E.H.T. CABLES APPROX 28'-0" IN
HOWARD TROUGHING 2'-6" DEEP.
C-D. & E-F- L.T. CABLE JUMPERS 29'-0"
LAID IN WOOD TROUGHING 1'-0" DEEP

CHART N° G.D. 53.

MERROW OCCUPATION CROSSING



GUILDFORD CORPORATION.
A-B.-E.H.T. CABLES APPROX. 24'-0" IN
HOWARD TROUGHING 2'-6" DEEP.
C-D. & E-F. L.T. CABLE JUMPERS 22'-0" LAID
IN WOOD TROUGHING 1'-0" DEEP.

4408

CHART N° G.D. 54.

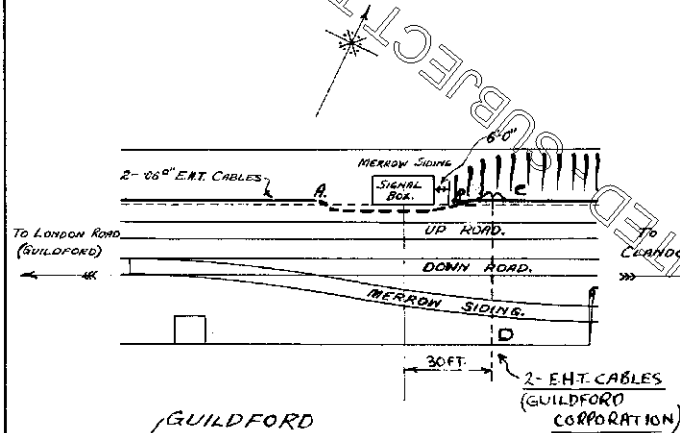
ELECTRICAL ENGINEER,
SOUTHERN RAILWAY, B-57
WATERLOO, S.E. 1.
DRG. N° C-4258

ALL DEPTHS ARE GIVEN TO TOP OF ITEM CONCERNED

A- 8/7/38.
E.H.T. CABLES SOLD
TO GUILDFORD
CORP. CHARTS
APPENDED ACCORDINGLY.

SOUTHERN RAILWAY - BURIED CABLE CHARTS.

MERROW SIDING.



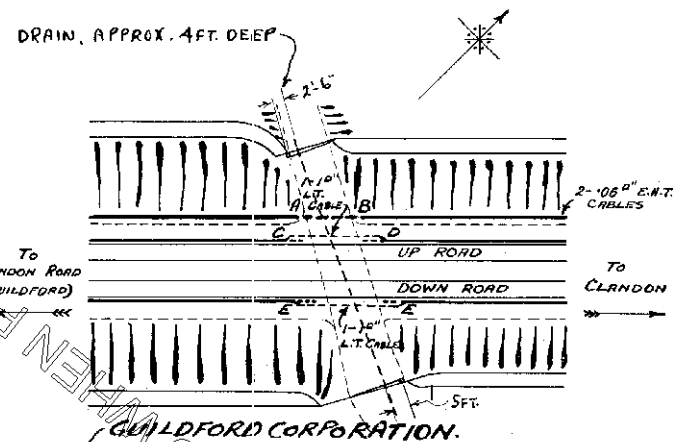
GUILDFORD CORPORATION
A-B. E.H.T. CABLES APPROX. 56'-0" IN HOWARD TROUGHING 2'-6" DEEP.

C-D. E.H.T. CABLES, APPROX. 50FT. IN 2. 4" DIA. BITUMEN COATED STEEL TUBES, APPROX.

5'-6" DEEP BELOW RAIL LEVEL.

CHART N°G.D.55.

GANGHILL (KOPS) OCCUPATION CROSSING.



GUILDFORD CORPORATION.
A-B. E.H.T. CABLES APPROX. 24'-0" IN HOWARD TROUGHING 2'-6" DEEP.
C-D. & E-F. L.T. JUMPER CABLES APPROX 26'-0" LAID IN WOOD TROUGHING 1'-0" DEEP.

CHART N°G.D.56.

ELECTRICAL ENGINEER,
SOUTHERN RAILWAY,

WATERLOO, S.E.1.

DRG. N°B-572⁸ (OLD N°C-4)

ALL DEPTHS ARE GIVEN TO TOP OF ITEM CONCERNED

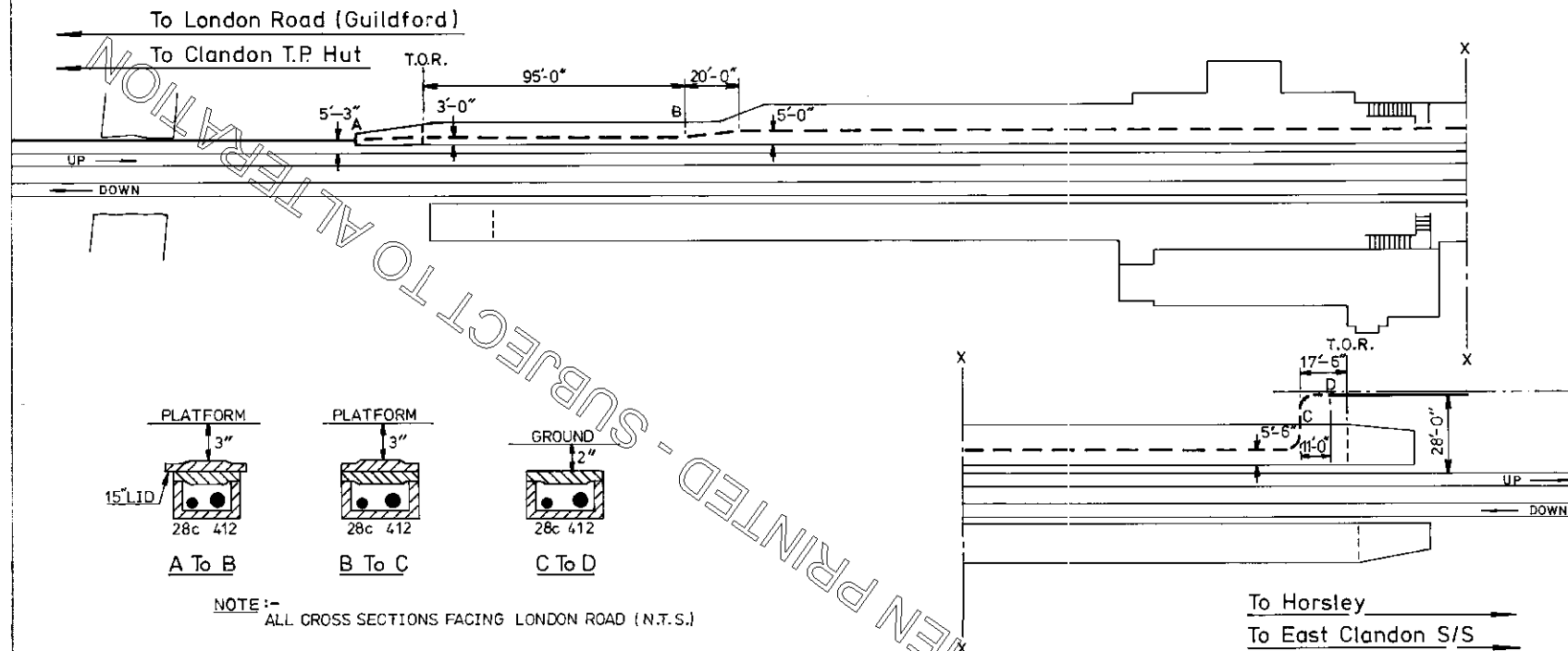
A. NOPS CROSSING REINFORCED
GANGHILL 2/1/52 S.S.

19-3-25.

G.D.S.

8. 9/7/38.
 E.H.T. CABLES SOLD
 TO GUILDFORD CORP.
 CHARTS AMENDED
 ACCORDINGLY.

Clandon Up Platform



Standard metric troughing	S M T.
Bell mouth in inspection chamber	— — —
Surface route	— — —
Buried route	— — —
Lead to ducts	— — —
Surface feeder joint	— — —
Buried feeder joint	— — —
Surface pilot joint	— — —
Buried pilot joint	— — —

Scale: 1:480

Dimensions are for route location only
& do not refer to cable length.

1. ALT: 7. H. 15-8-83
APP:

CHART REDRAWN DUE
TO EXTENSION OF
PLATFORMS FOR 455
ROLLING STOCK.

British Railways (SR) CM & EE Dept. Southern House Croydon

East Clandon S/S To Merrow

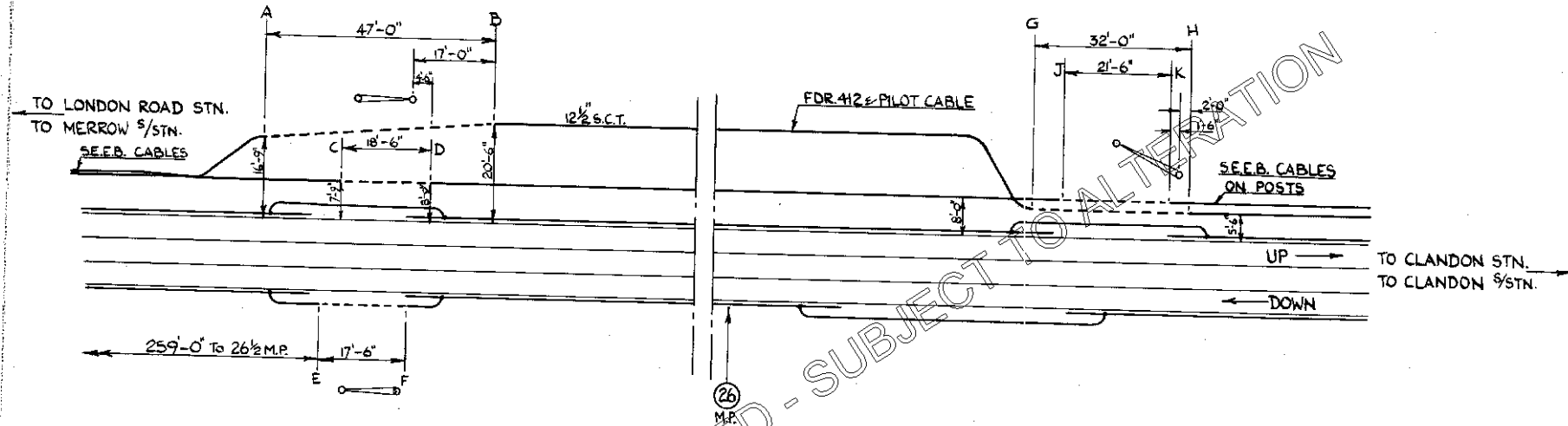
S/S

Feeder No. 412 & 1 x 28c. Pilot Cable.

Drn App Chart
Cnd Agd No 3W/sht 53

MERROW OCCUPATION CROSSING

COTSWOLD OCCUPATION CROSSING



A TO B & G TO H: 12 1/2" B.C.T. WITH 2'-0" AVERAGE COVER
 C TO D: HOWARD TROUGHING WITH 2'-6" AVERAGE COVER
 E TO F: WOOD TROUGHING WITH 1'-0" AVERAGE COVER
 J TO K: HOWARD TROUGHING WITH 2'-6" AVERAGE COVER

THIS DRG. SUPERSEDES CHARTS G.D. 53 & 54

WATER GATEWAY
 LONDON ROAD
 COTSWOLD & C. CROSSING
 IS AT THE END OF THE

1. G.D. 53 & 54
 REDRAWN TO
 INCLUDE DETAILS
 OF SEE B. & L.V.
 CABLES

FEEDER 412
 PILOT CABLE
 EAST CLANDON 5/STN. TO MERROW 5/STN.

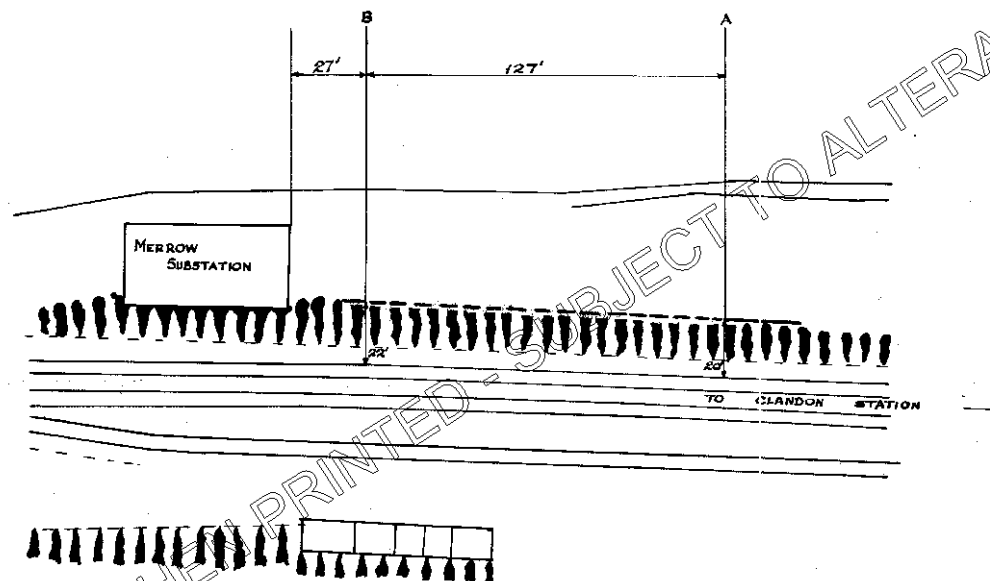
4891

3w/SHT. 54

PIRELLI - GENERAL CABLE WORKS LTD.

PIRELLI - GENERAL CASH
DRAWN BY: Amey
DATE 5-4-57
CHECKED BY Amey

MERROW
SUBSTATION



A TO B, 12½" B.C.T. 2' AVERAGE COVER

28c  Fed. 412

SECTION A TO B, FACING MERRON 5/STN.

SURFACE ROUTE	ROUTE
BURIED ROUTE	-----

<p>SCALES 1" = 40' & 1" = 4'0"</p> <p>DIMENSIONS FOR ROUTE LOCATION ONLY & DO NOT REFER TO CABLE LENGTH</p>	

BURIED CABLE CHART

4892

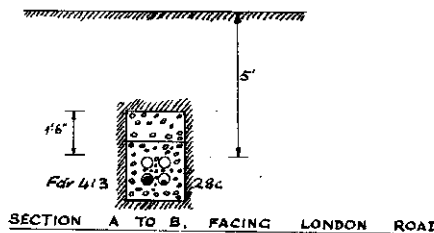
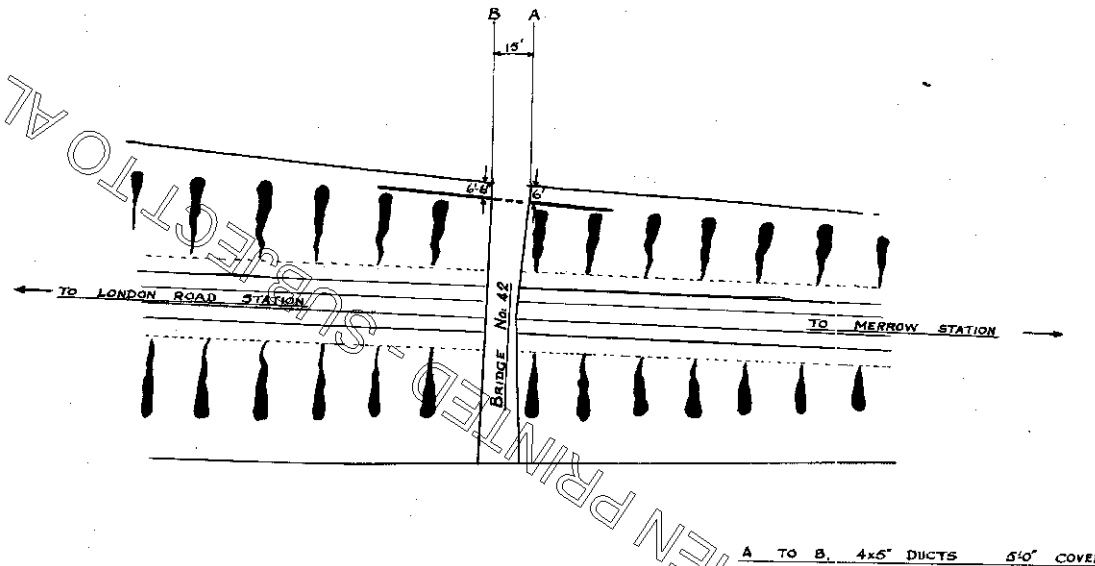
BRITISH RAILWAYS
SOUTHERN REGION
CHIEF MECH & ELEC. WORKS DEPT.
15 ST. JAMES ST. LILL
FEEDER NO 412
& PILOT CABLE
EAST CLANDON 3/4 TO MERROW 3/4
VELOCGRAPH
3W/SHT.5

DRAWN BY: Jany
DATE: 10-5-57
CHECKED BY: Jany

OFFICE TELETYPE
 COMMUNICATIONS SECTION
 CHIEF, COMM. & DIST. BRANCH, DEPT.
 OF THE ARMY, WASH., D. C.
 FEEDER N° 413
 & PILOT CABLE
 MERROW % TO GUILDFORD %
 VELOGRAPH 3W/SHT. 56

PIRELLI-GENERAL CABLE WORKS LTD.
 FEEDER No. 413
 MERROW TO GUILDFORD.
 28 CORE PILOT MERROW TO LONDON ROAD TRAMWAY T26
 DRAWN BY: S.A.H.
 DATE: 14.5.57
 CHECKED BY: J.O.G.

BRIDGE No. 42



SURFACE ROUTE	—
BURIED ROUTE	---

SCALES 1"=40' & 1"=4'0"

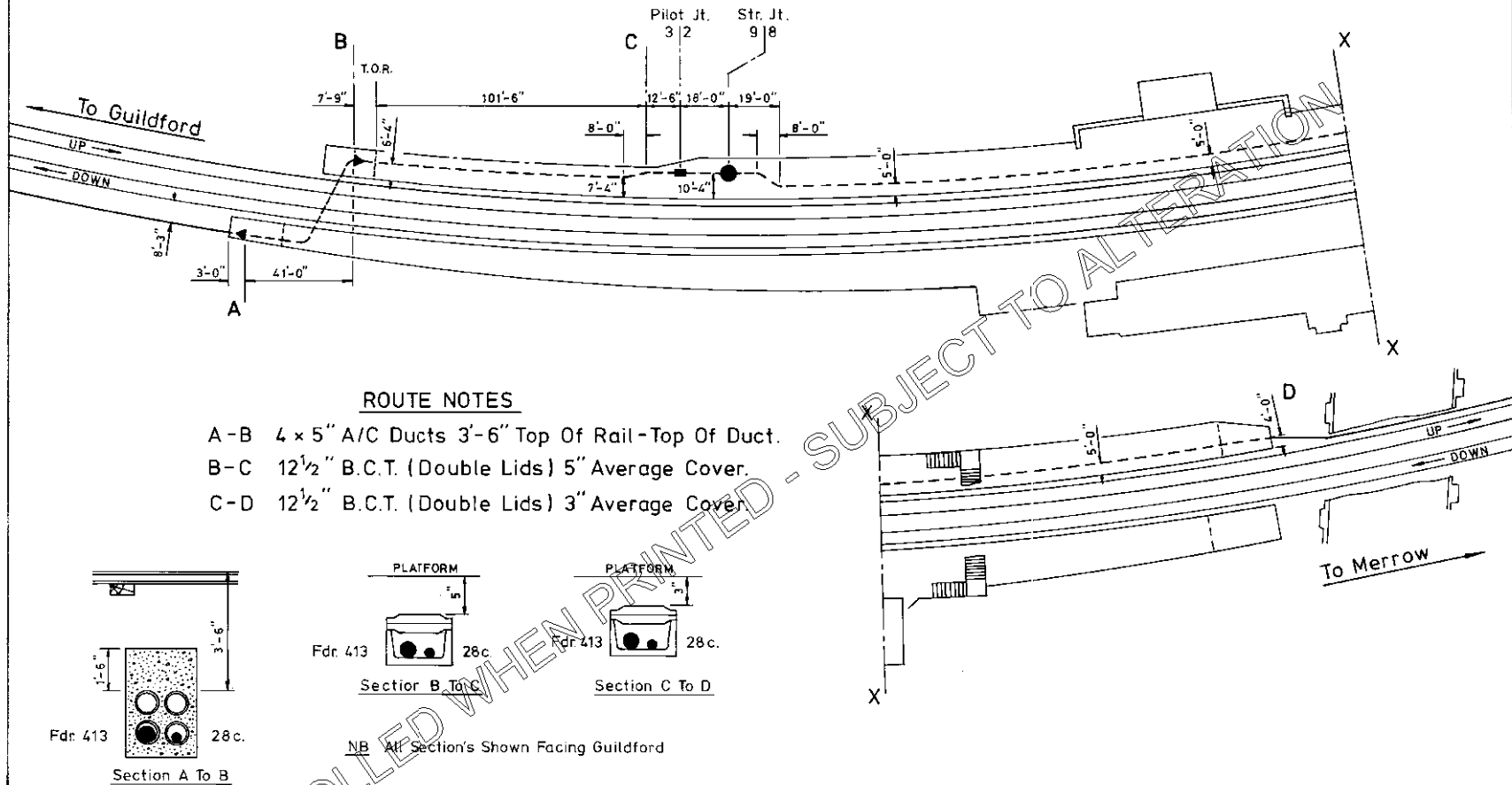
DIMENSIONS FOR ROUTE LOCATION ONLY
 & DO NOT REFER TO CABLE LENGTH

BURIED CABLE CHART

4885

BRITISH RAILWAYS SOUTHERN REGION	
CHIEF ENGINEER & DEPT. ENGINE DEPT.	
R. E. ENGINEER NO. 121.	
FEEDER No. 413 & PILOT CABLE	
MERROW 2/3 TO GUILDFORD 2/3.	
VELOGRAPH	3W/SHT.57

London Road (Guildford)



Standard metric troughing	S.M.T.
Bell mouth in inspection chamber	—
Surface route	—
Buried route	—
Lead to ducts	—
Surface feeder joint	—
Buried feeder joint	—
Surface pilot joint	—
Buried pilot joint	—
Scale:	1:480
Dimensions are for route location only & do not refer to cable length.	

British Railways (S.R.) CM & EE Dept. Southern House Croydon

Merrow Sub. Stn. To Guildford Sub. Stn.

Feeder No. 413 & 1x28c. Pilot Cable.

1. ALT: 20-7-83
APP:
CHART REDRAWN DUE
TO EXTENSION OF
PLATFORMS FOR 455
ROLLING STOCK.

Drn	App	Chart No
Und	Agd.	3W Sht. 58

FEEDER No: 413 MERRON TO GUILDFORD.
28 CORE PILOT LONDON ROAD T.R. HOT TO GUILDFORD.

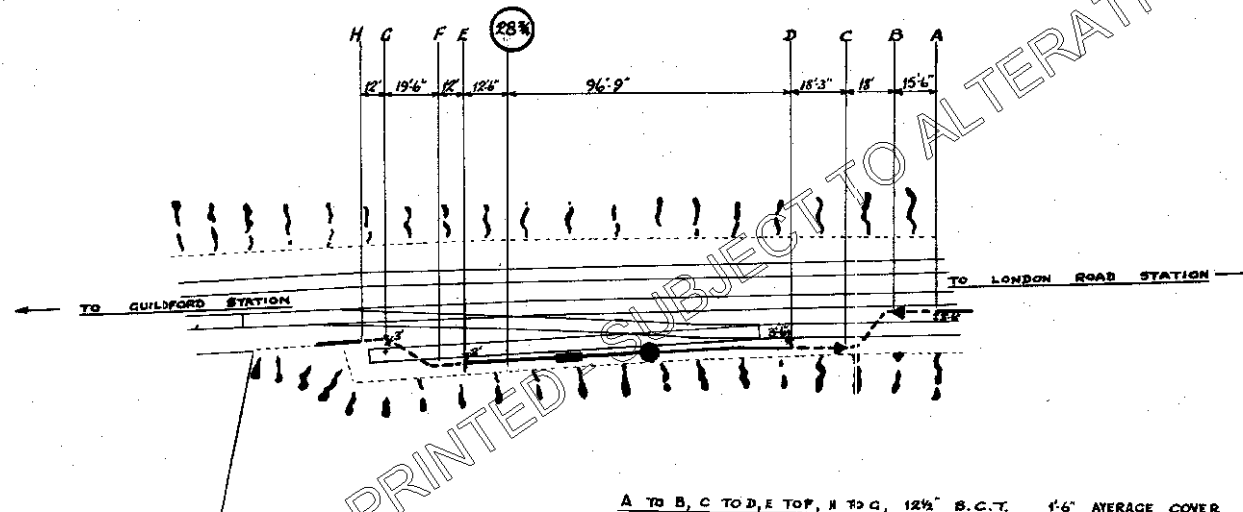
PIRELLI - GENERAL CABLE WORKS LTD.

DRAWN BY: *SL*

DATE: 20.5.57

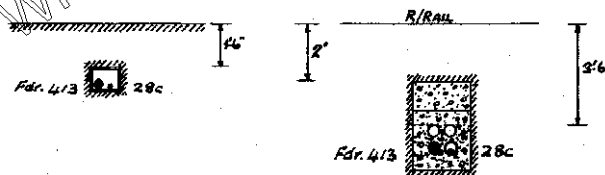
CHECKED BY: *SL*

28 3/4 MILE POST.



A TO B, C TO D, E TOP, H TO G, 12 1/2" B.C.T. 1'6" AVERAGE COVER

B TO C, F TO G, 4x5" DUCTS, 3'6" TOP OF RAIL TO TOP OF TUBE



SECTION A TO B, C TO D, E TO F, G TO H

SECTION B TO C, F TO G.

FACING GUILDFORD

SURFACE ROUTE	---
BURIED ROUTE	---
SCALES 1"=40' & 1"=4'0"	
DIMENSIONS FOR ROUTE LOCATION ONLY & DO NOT REFER TO CABLE LENGTH	

BURIED CABLE CHART

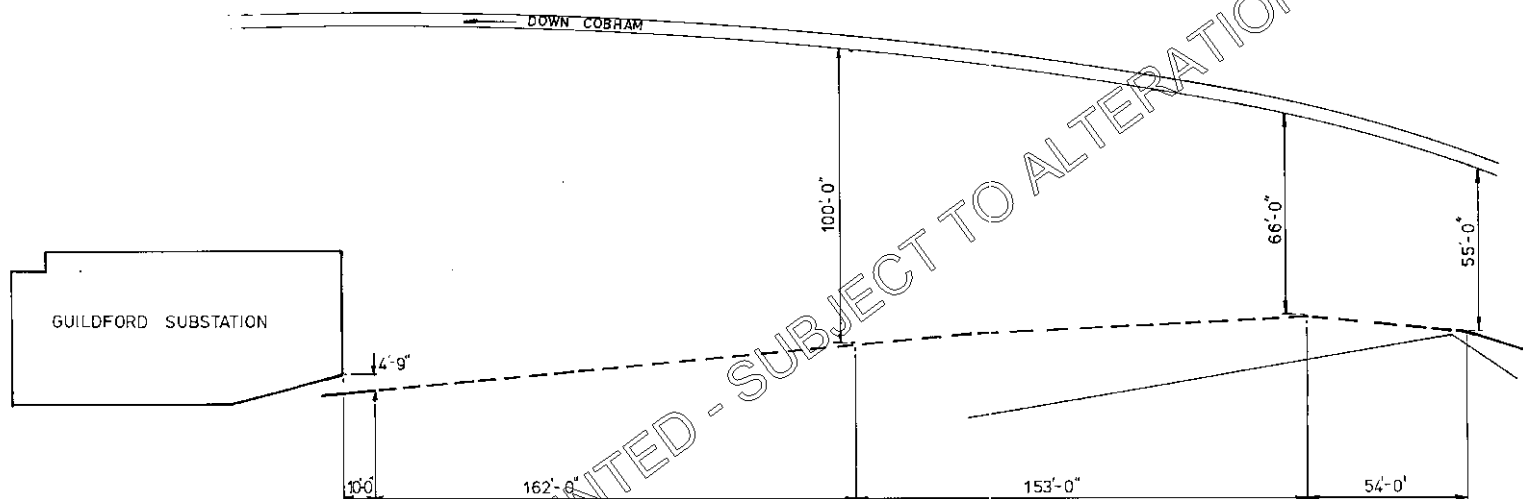
4896

<p>FEEDER No: 413 & PILOT CABLE</p>	
<p>MERRON TO GUILDFORD</p>	
<p>3W/SAT.59</p>	<p>3W/SAT.59</p>

TO GUILDFORD STN

GUILDFORD SUBSTATION

TO LONDON ROAD STATION
TO LONDON ROAD T.P. HUT



Standard metric troughing	S.M.T.
Bell mouth in inspection chamber	—
Surface route	—
Buried route	—
Lead to ducts	—
Surface feeder joint	—
Buried feeder joint	—
Surface pilot joint	—
Buried pilot joint	—

Scale: 40'-0" to 1"

Dimensions are for route location only
& do not refer to cable length

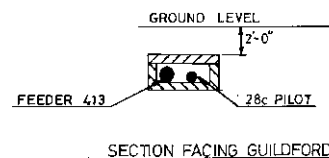


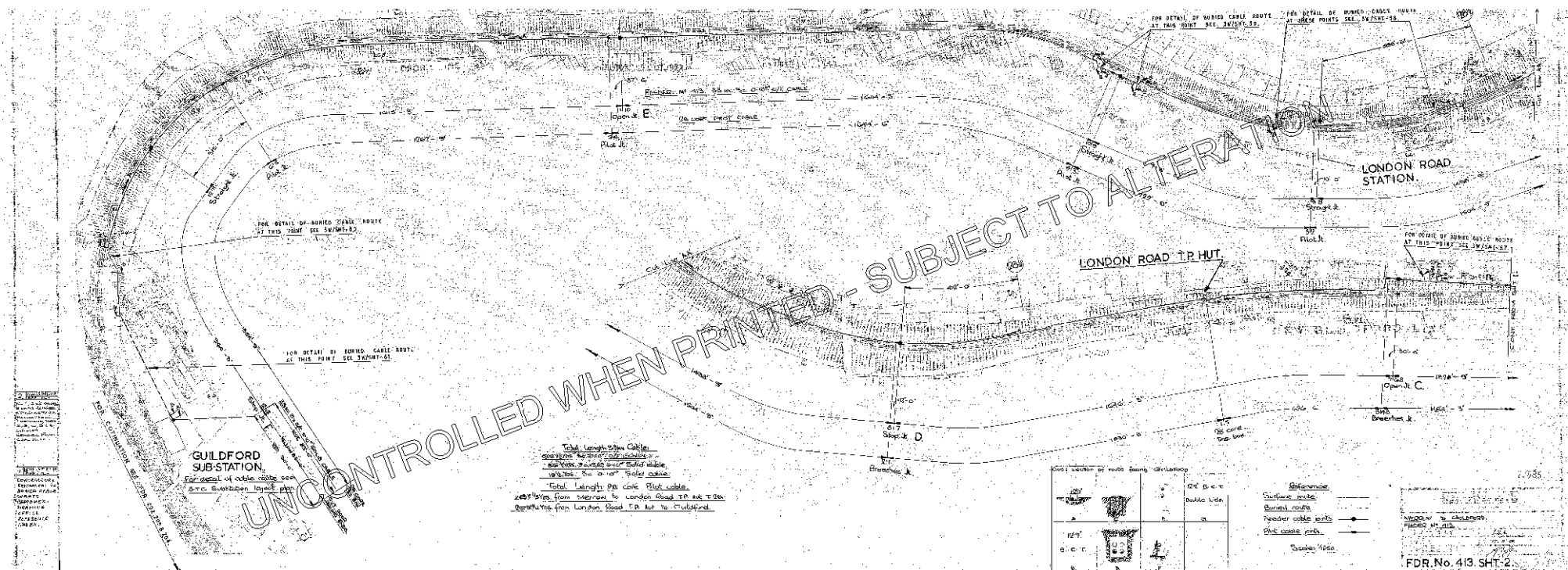
CHART RE-DRAWN

British Railways: S.R. CM & EE Dept. Southern House Droydon

MERROW SUB.STN TO GUILDFORD SUB.STN

FDR N°413 & 28c Pilot Cable

Drawn K.C.W. 13/4/88	App'd S.H. 18.5.88	Chart No. 3Wsht 61
-------------------------	-----------------------	-----------------------



NOT AFFECTED

W A T E R

Matthew Clarke

From:
Sent: 27 September 2016 14:15
To: Utility Reports
Subject: GTC Plant Enquiry - Ref- 309109
Attachments: 309109.png

GTC Apparatus Not Found In Search Area

Our Plant Enquiry Service Ref: 309109
Your Enquiry Ref: SP16677

Dear Utility,

Thank you for your enquiry concerning apparatus in the vicinity of your proposed work. GTC can confirm that we have no apparatus in the vicinity but please note that other asset owners may have and ensure all utility owners have been consulted. For your records, the search area is shown in the attached map.

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.

Your sincerely,

GTC Plant Enquiry Service.

DISCLAIMER

The information in this E-Mail and in any attachments is confidential and may be privileged. If you are not the intended

recipient, please destroy this message, delete any copies held on your system and notify the sender immediately. You should not retain, copy or use this E-Mail for any purpose, nor disclose all or any part of its content to any other person. Whilst we run antivirus software on Internet E-Mails, we are not liable for any loss or damage. The recipient is advised to run their own up to date antivirus software.

Thank you

ELECTRICITY



Stephen Sawyer
Technics Group
Technics House
Guildford
Surrey
GU4 7WA

Date: 28/09/2016

Our Ref: XX_XX_3SWX_270569

Your Ref: SP16677

RE: Proposed Works, Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA

Thank you for your enquiry which was received on 28/09/2016.

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

For details of National Grid's network areas please see the National Grid website

National Grid has identified that it has no record of apparatus in the vicinity of your enquiry.

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

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

Your Responsibilities and Obligations

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

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

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

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

It is **YOUR** responsibility to take into account whether the items listed above may be present and if they could be affected by your proposed activities. Further "Essential Guidance" in respect of these items can be found on the National Grid Website.

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

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

If you require further assistance please contact the National Grid Plant Protection team via e-mail or via the contact details at the top of this response.

Yours faithfully

National Grid Plant Protection Team

GUIDANCE

Standard Guidance

ENQUIRY SUMMARY

Received Date

28/09/2016

Your Reference

SP16677

Location

Centre Point: 502494, 151867

X Extent: 280

Y Extent: 215

Postcode: GU4 7WA

Location Description: Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA

Map Options

Paper Size: A3

Orientation: LANDSCAPE

Requested Scale: 1250

Actual Scale: N/A

Real World Extents: N/A

Recipients

utility.reports@technicsgroup.com

Enquirer Details

Organisation Name: Technics Group

Contact Name: Stephen Sawyer

Email Address: utility.reports@technicsgroup.com

Telephone: 01483 230080

Address: Technics House, Guildford, Guildford, Surrey, GU4 7WA

Description of Works

Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA

Enquiry Type

Proposed Works

Activity Type

Utility Works

Work Types

Work Type: Plans Only

Utility Reports

From:
Sent: 14 September 2016 10:48
To: Utility Reports
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

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.

Please be advised that it may take around 10 working days to process enquiries. In the unlikely event that you have been waiting longer than 10 working days, or require further assistance with outstanding enquiries, please call.

From: Utility Reports [mailto:Utility.Reports@technicsgroup.com]
Sent: 13 September 2016 14:43
To: Utility Reports
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

Re: NRSWA91 Plant Location Request. SP16677

RE: Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA
OS Grid: 502542,151858
Our Reference: SP16677

Our Company is currently undertaking a utility survey of the site indicated by the co-ordinates detailed above and the area highlighted on the attached plan/map.

As part of this survey we are required to indicate positions and descriptions of all main statutory services and wayleaves on site and in the adjoining roads where applicable.

We therefore request that you supply us with relevant plan information at your earliest convenience.

Thanking you in advance of your co-operation.

Yours faithfully

Stephen Sawyer
Technical Report Administrator

For and on behalf of Technics Group



Please visit our website www.technicsgroup.com

T: 01483 230 080
E: utility.reports@technicsgroup.com

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Subtechnics Limited Registered in England No. 3668620 Sitechnics Limited Registered in England No. 3236243
Registered Office: Technics House, Merrow Business Park, Guildford, GU4 7WA

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Any views or opinions presented are solely those of the author and do not necessarily represent those of Technics Group.
Technics Group may monitor replies to this email for operational or business reasons

Matthew Clarke

From:
Sent: 27 September 2016 14:15
To: Utility Reports
Subject: GTC Plant Enquiry - Ref- 309109
Attachments: 309109.png

GTC Apparatus Not Found In Search Area

Our Plant Enquiry Service Ref: 309109
Your Enquiry Ref: SP16677

Dear Utility,

Thank you for your enquiry concerning apparatus in the vicinity of your proposed work. GTC can confirm that we have no apparatus in the vicinity but please note that other asset owners may have and ensure all utility owners have been consulted. For your records, the search area is shown in the attached map.

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.

Your sincerely,

GTC Plant Enquiry Service.

DISCLAIMER

The information in this E-Mail and in any attachments is confidential and may be privileged. If you are not the intended

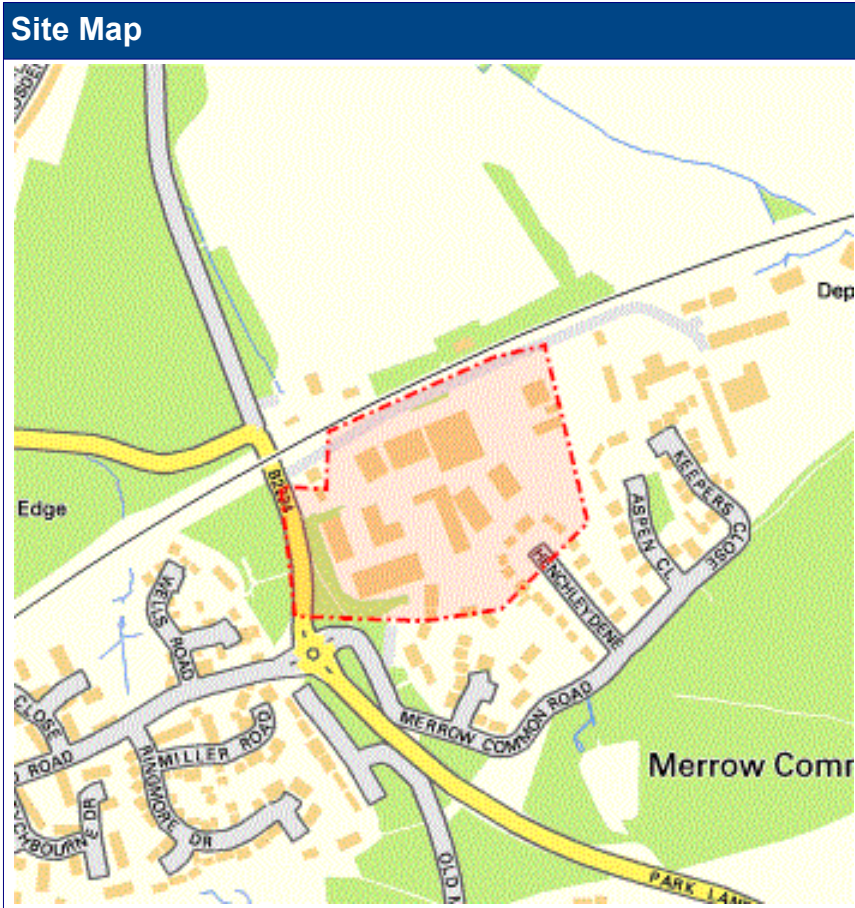
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Thank you

Enquirer			
Name	Mr Stephen Sawyer	Phone	01483230080
Company	Technics Group	Mobile	Not Supplied
		Fax	Not Supplied
Address	Technics House Merrow Business Park Guildford Surrey GU4 7WA		
Email	utility.reports@technicsgroup.com		
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	SP16677		
Enquiry type	Initial Enquiry	Work category	Development Projects
Start date	31/10/2016	Work type	Commercial/industrial
End date	31/10/2016	Site size	41001 metres square
Searched location	XY= 502542, 151858 Easting/Northing	Work type buffer*	25 metres
Confirmed location	502526 151874		

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



Asset Owners

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

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

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

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

Below are three lists of asset owners:

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

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

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

List of affected LSBUD members

No LineasearchbeforeUdig Asset Owners within the Zone of Interest

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

List of not affected LSBUD members

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

G A S



Stephen Sawyer
Technics Group
Technics House
Guildford
Surrey
GU4 7WA

Date: 28/09/2016

Our Ref: XX_XX_3SWX_270569

Your Ref: SP16677

RE: Proposed Works, Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA

Thank you for your enquiry which was received on 28/09/2016.

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

For details of National Grid's network areas please see the National Grid website

National Grid has identified that it has no record of apparatus in the vicinity of your enquiry.

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

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

Your Responsibilities and Obligations

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

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

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

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

It is **YOUR** responsibility to take into account whether the items listed above may be present and if they could be affected by your proposed activities. Further "Essential Guidance" in respect of these items can be found on the National Grid Website.

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

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

If you require further assistance please contact the National Grid Plant Protection team via e-mail or via the contact details at the top of this response.

Yours faithfully

National Grid Plant Protection Team

GUIDANCE

Standard Guidance

ENQUIRY SUMMARY

Received Date

28/09/2016

Your Reference

SP16677

Location

Centre Point: 502494, 151867

X Extent: 280

Y Extent: 215

Postcode: GU4 7WA

Location Description: Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA

Map Options

Paper Size: A3

Orientation: LANDSCAPE

Requested Scale: 1250

Actual Scale: N/A

Real World Extents: N/A

Recipients

utility.reports@technicsgroup.com

Enquirer Details

Organisation Name: Technics Group

Contact Name: Stephen Sawyer

Email Address: utility.reports@technicsgroup.com

Telephone: 01483 230080

Address: Technics House, Guildford, Guildford, Surrey, GU4 7WA

Description of Works

Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA

Enquiry Type

Proposed Works

Activity Type

Utility Works

Work Types

Work Type: Plans Only

Utility Reports

From:
Sent: 14 September 2016 10:48
To: Utility Reports
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

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.

Please be advised that it may take around 10 working days to process enquiries. In the unlikely event that you have been waiting longer than 10 working days, or require further assistance with outstanding enquiries, please call 01698 404945.

From: Utility Reports [mailto:Utility.Reports@technicsgroup.com]
Sent: 13 September 2016 14:43
To: Utility Reports
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

Re: NRSWA91 Plant Location Request. SP16677

RE: Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA
OS Grid: 502542,151858
Our Reference: SP16677

Our Company is currently undertaking a utility survey of the site indicated by the co-ordinates detailed above and the area highlighted on the attached plan/map.

As part of this survey we are required to indicate positions and descriptions of all main statutory services and wayleaves on site and in the adjoining roads where applicable.

We therefore request that you supply us with relevant plan information at your earliest convenience.

Thanking you in advance of your co-operation.

Yours faithfully

Stephen Sawyer
Technical Report Administrator

For and on behalf of Technics Group



Please visit our website www.technicsgroup.com

T: 01483 230 080
E: utility.reports@technicsgroup.com

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Registered Office: Technics House, Merrow Business Park, Guildford, GU4 7WA

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Matthew Clarke

From:
Sent: 27 September 2016 14:15
To: Utility Reports
Subject: GTC Plant Enquiry - Ref- 309109
Attachments: 309109.png

GTC Apparatus Not Found In Search Area

Our Plant Enquiry Service Ref: 309109
Your Enquiry Ref: SP16677

Dear Utility,

Thank you for your enquiry concerning apparatus in the vicinity of your proposed work. GTC can confirm that we have no apparatus in the vicinity but please note that other asset owners may have and ensure all utility owners have been consulted. For your records, the search area is shown in the attached map.

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.

Your sincerely,

GTC Plant Enquiry Service.

DISCLAIMER

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recipient, please destroy this message, delete any copies held on your system and notify the sender immediately. You should not retain, copy or use this E-Mail for any purpose, nor disclose all or any part of its content to any other person. Whilst we run antivirus software on Internet E-Mails, we are not liable for any loss or damage. The recipient is advised to run their own up to date antivirus software.

Thank you

Enquirer

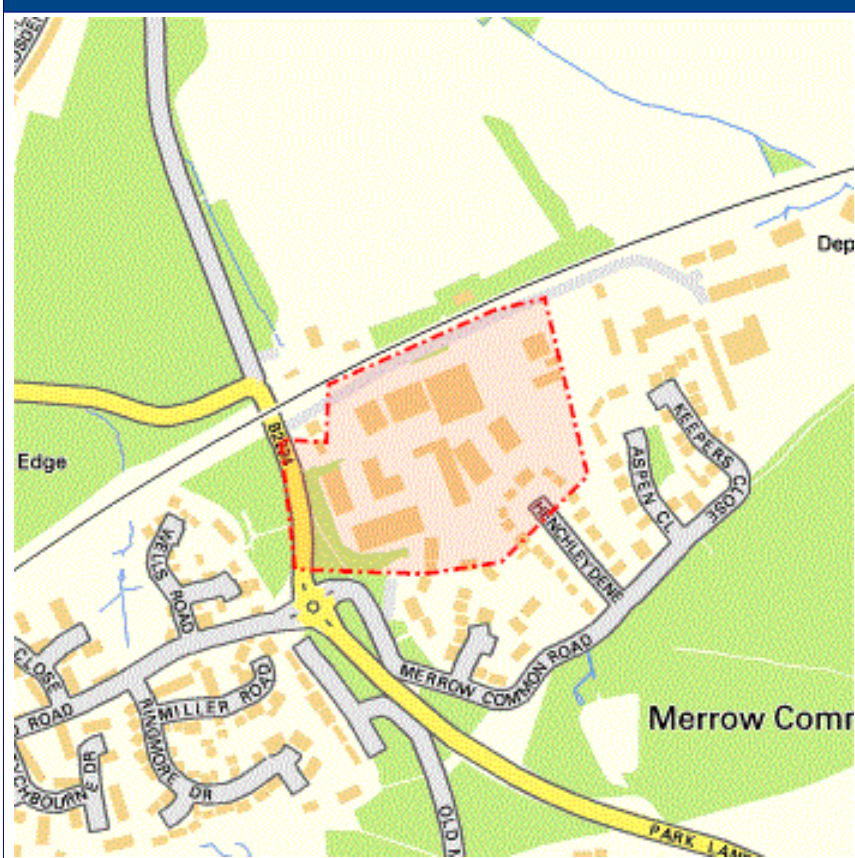
Name	Mr Stephen Sawyer	Phone	01483230080
Company	Technics Group	Mobile	Not Supplied
		Fax	Not Supplied
Address	Technics House Merrow Business Park Guildford Surrey GU4 7WA		
Email	utility.reports@technicsgroup.com		
Notes	Please ensure your contact details are correct and up to date on the system in case the LSBUD Members need to contact you.		

Enquiry Details

Scheme/Reference	SP16677		
Enquiry type	Initial Enquiry	Work category	Development Projects
Start date	31/10/2016	Work type	Commercial/industrial
End date	31/10/2016	Site size	41001 metres square
Searched location	XY= 502542, 151858 Easting/Northing	Work type buffer*	25 metres
Confirmed location	502526 151874		

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

Site Map



Asset Owners

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

List of affected LSBUD members

No LineasearchbeforeUdig Asset Owners within the Zone of Interest

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

List of not affected LSBUD members

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

TELECOMS & CABLE

Utility Reports

From:
Sent: 19 September 2016 08:39
To: Utility Reports
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

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



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From: Utility Reports [mailto:Utility.Reports@technicsgroup.com]
Sent: 13 September 2016 14:43
To: Utility Reports <Utility.Reports@technicsgroup.com>
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

Re: NRSWA91 Plant Location Request. SP16677

RE: Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA

OS Grid: 502542,151858

Our Reference: SP16677

Our Company is currently undertaking a utility survey of the site indicated by the co-ordinates detailed above and the area highlighted on the attached plan/map.

As part of this survey we are required to indicate positions and descriptions of all main statutory services and wayleaves on site and in the adjoining roads where applicable.

We therefore request that you supply us with relevant plan information at your earliest convenience.

Thanking you in advance of your co-operation.

Yours faithfully

Stephen Sawyer
Technical Report Administrator

For and on behalf of Technics Group



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T: 01483 230 080

E: utility.reports@technicsgroup.com

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Technics Group may monitor replies to this email for operational or business reasons

Matthew Clarke

From:
Sent: 28 September 2016 17:20
To: Utility Reports
Subject: CityFibre Plant Enquiry, issued on 28/09/16 17:19. Reference 4pg5mww2cnr2xke.
Attachments: emap.pdf

You recently requested information pertaining to the above location and in relation to CityFibre Holdings Ltd plant.

Reference 4pg5mww2cnr2xke
User: CFHplant
Title: SP16677 - Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA
Comment:

Please find attached a plan of the area of your interest that may contain plant which may be affected by your proposed works.

The validity of this response is 6 weeks, after such time a new enquiry would need to be made.

Please quote the Reference ID in the subject line in any correspondence.

Please be aware that all information included in this eMap is the property of the sender and subject to copyright. It is illegal to copy or send this information to any third party without the permission of the sender.

LEGEND

- EXISTING PLANT
- EXISTING PLANT

Select a bitmap
© Crown copyright 2015
Licence No. OS 0100031673

Disclaimer:

Information shown on this plan is for general guidance only. No warranty is made as to its accuracy. This plan must not be solely relied upon in the event of excavation or other works being carried out in the vicinity of Cityfibre plant. No liability of any kind is accepted by Cityfibre, its agents or servants for any error, omission, discrepancy or deviation. This information is valid for the date printed.

Project

Plant Enquiry

Drawing

Existing Plant

Drawn by:

smallworld

Date: 28/09/2016

Drawing No.

CFH_EP_000001

Revision

001

Scale: 1:1250

A4

0m 20m 40m 60m 80m 100m



Full service Freeview transmitters

The map below shows the Full Freeview transmitters include the commercial multiplexes and therefore provide all the channels. Those shown with a red icon have fault or engineering information. Please click to see the coverage area, and double click for more information.



What do the map symbols mean?

 Freeview transmitter.

Map of all FM, MW and LW transmitters

You can click on a transmitter group symbol to see all the masts in that county or area, or click on a single transmitter to see the coverage area. Due to the large number of radio transmitters, many have been grouped into counties or administrative areas for ease of viewing.

Showing transmitters in Surrey, England

Transmitters that are in areas that border Surrey, England are shown with a grey background.



What do the map symbols mean?

 FM/AM radio mast,  FM/AM radio mast (out of area).

Matthew Clarke

From:
Sent: 27 September 2016 14:15
To: Utility Reports
Subject: GTC Plant Enquiry - Ref- 309109
Attachments: 309109.png

GTC Apparatus Not Found In Search Area

Our Plant Enquiry Service Ref: 309109
Your Enquiry Ref: SP16677

Dear Utility,

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Please note our assets now include those owned and operated by:

- GTC Pipelines Limited
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- 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.

Your sincerely,

GTC Plant Enquiry Service.

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recipient, please destroy this message, delete any copies held on your system and notify the sender immediately. You should not retain, copy or use this E-Mail for any purpose, nor disclose all or any part of its content to any other person. Whilst we run antivirus software on Internet E-Mails, we are not liable for any loss or damage. The recipient is advised to run their own up to date antivirus software.

Thank you

Utility Reports

From:
Sent: 13 September 2016 16:10
To: Utility Reports
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

This response does not include Vtesse or Easynet plant, please continue to use Vtesse or Easynet 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 valid for 28 days

Yours faithfully

PLANCAST Plant Enquiry Department



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From: Utility Reports [mailto:Utility.Reports@technicsgroup.com]
Sent: 13 September 2016 14:43

To: Utility Reports <Utility.Reports@technicsgroup.com>

Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

Re: NRSWA91 Plant Location Request. SP16677

RE: Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA

OS Grid: 502542,151858

Our Reference: SP16677

Our Company is currently undertaking a utility survey of the site indicated by the co-ordinates detailed above and the area highlighted on the attached plan/map.

As part of this survey we are required to indicate positions and descriptions of all main statutory services and wayleaves on site and in the adjoining roads where applicable.

We therefore request that you supply us with relevant plan information at your earliest convenience.

Thanking you in advance of your co-operation.

Yours faithfully

Stephen Sawyer
Technical Report Administrator

For and on behalf of Technics Group



Please visit our website www.technicsgroup.com

T: 01483 230 080

E: utility.reports@technicsgroup.com

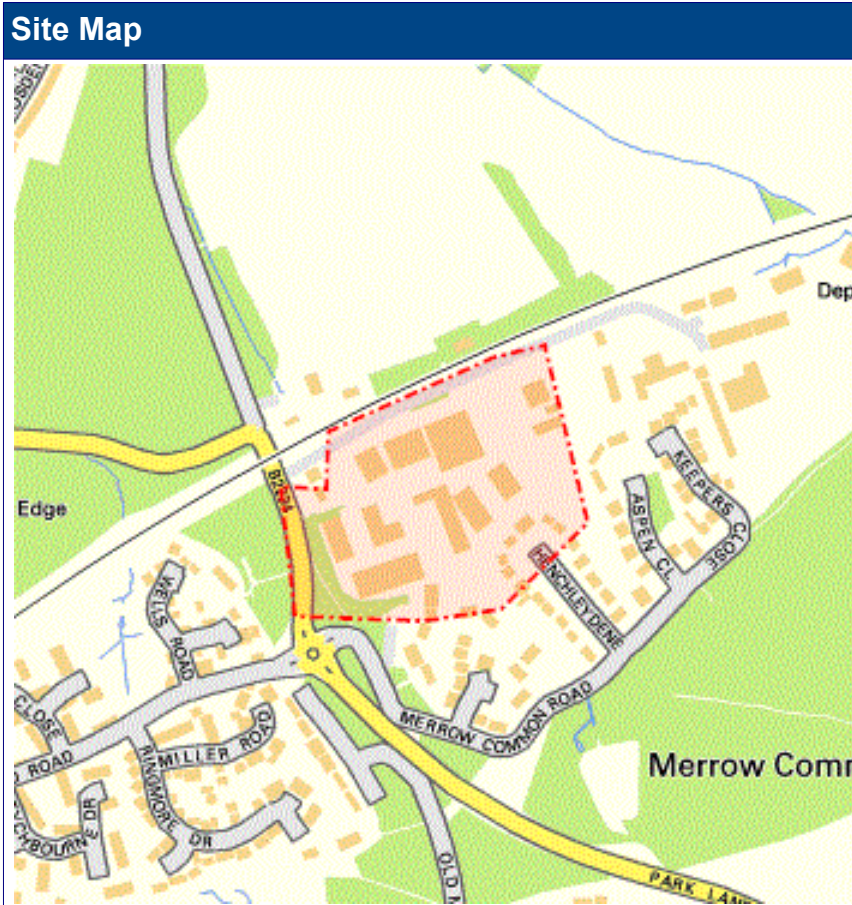
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Technics Group may monitor replies to this email for operational or business reasons

Enquirer			
Name	Mr Stephen Sawyer	Phone	01483230080
Company	Technics Group	Mobile	Not Supplied
		Fax	Not Supplied
Address	Technics House Merrow Business Park Guildford Surrey GU4 7WA		
Email	utility.reports@technicsgroup.com		
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	SP16677		
Enquiry type	Initial Enquiry	Work category	Development Projects
Start date	31/10/2016	Work type	Commercial/industrial
End date	31/10/2016	Site size	41001 metres square
Searched location	XY= 502542, 151858 Easting/Northing	Work type buffer*	25 metres
Confirmed location	502526 151874		

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



Asset Owners

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

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

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

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

List of affected LSBUD members

No LineasearchbeforeUdig Asset Owners within the Zone of Interest

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

List of not affected LSBUD members

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

Matthew Clarke

From:
Sent: 27 September 2016 16:23
To: Utility Reports
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

NOT AFFECTED BY TATA KPN SOTA



From: Utility Reports [mailto:Utility.Reports@technicsgroup.com]
Sent: 26 September 2016 09:45
To:
Subject: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

//BEWARE: This email originated outside the McNicholas Network – Ensure you trust the sender before clicking on links or opening any attachments\\

Re-sending this one as per our conversation, thanks a lot for your help.

Best Regards,

Matt Clarke
Assistant Technical Report Administrator

For and on behalf of Technics Group



From: Utility Reports
Sent: 13 September 2016 14:43
To: Utility Reports <Utility.Reports@technicsgroup.com>
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

Re: NRSWA91 Plant Location Request. SP16677

RE: Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA

OS Grid: 502542,151858
Our Reference: SP16677

Our Company is currently undertaking a utility survey of the site indicated by the co-ordinates detailed above and the area highlighted on the attached plan/map.

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We therefore request that you supply us with relevant plan information at your earliest convenience.

Thanking you in advance of your co-operation.

Yours faithfully

Stephen Sawyer
Technical Report Administrator

For and on behalf of Technics Group



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E: utility.reports@technicsgroup.com

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Utility Reports

From:
Sent: 14 September 2016 12:55
To: Utility Reports
Subject: Sky Telecommunications Services Ltd Plant Enquiry - PEN-16-09-1500 : Technics Group - SP16677

Attention: Stephen Sawyer - Technics Group

Dear Sir/Madam,

RE: Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA

Thank you for your enquiry.

Please be advised that Sky Telecommunications Services Ltd will not be affected by these works.

Best endeavours have been made to ensure accuracy, however if you require further information, please contact us.

If you would like to submit your plant enquiries electronically, please send them

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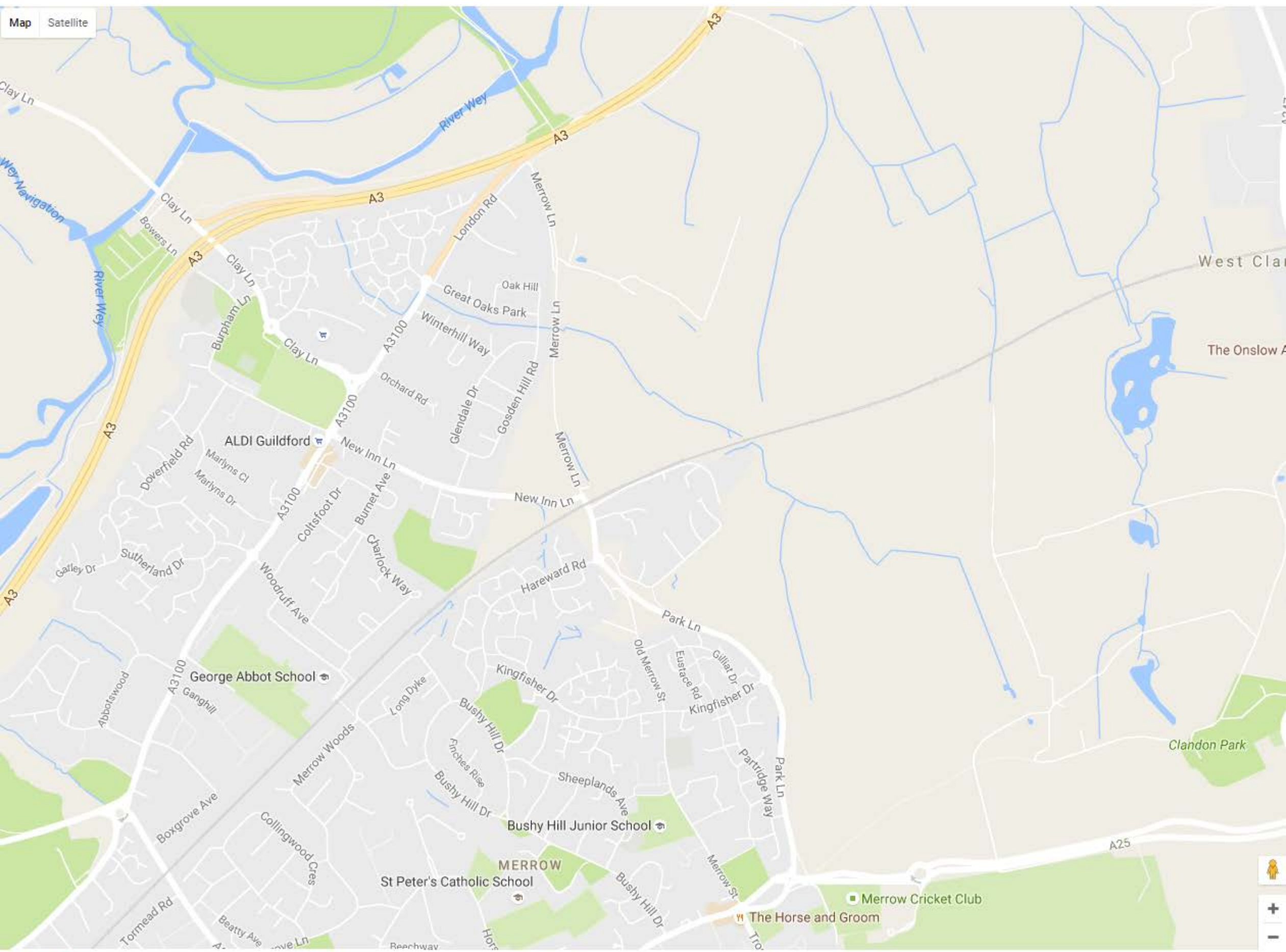
Dear Sir/Madam

Teliasonera Line Plant Enquiry.

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

SP16677 Merrow Business Park, Merrow Lane, Guildford, Surrey

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.



Trafficmaster location

Utility Reports

From:
Sent: 13 September 2016 14:45
To: Utility Reports
Cc: UK OSP-Team
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

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)

From: Utility Reports [mailto:Utility.Reports@technicsgroup.com]
Sent: 13 September 2016 14:43
To: Utility Reports
Subject: RE: SP16677_Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA. Plant Location request.

Re: NRSWA91 Plant Location Request. SP16677

RE: Merrow Business Park, Merrow Lane, Guildford, Surrey, GU4 7WA
OS Grid: 502542,151858
Our Reference: SP16677

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We therefore request that you supply us with relevant plan information at your earliest convenience.

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Yours faithfully

Stephen Sawyer
Technical Report Administrator

For and on behalf of Technics Group



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Utility Reports

From:
Sent: 29 September 2016 10:12
To: Utility Reports
Subject: Your Interoute (Vtesse) Plant Enquiries order from 28th September 2016 is complete

Your order is complete

Your recent order on Interroute (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 #6799

Product	Quantity	Price
<p>Standard Enquiry Search Radius: 250m Urgent Request: No Address: Merrow Business ParkMerrow LaneGuildford, Surrey GU4 7WAUnited KingdomMap It Eastings: 502542 Northings: 151858 Description: Our Company is currently undertaking a utility survey of the site indicated by the co-ordinates detailed and the area highlighted on the attached plan/map.</p> <p>As part of this survey we are required to indicate positions and descriptions of all main statutory services and wayleaves on site and in the adjoining roads where applicable.</p> <p>We therefore request that you supply us with relevant plan information at your earliest convenience. Reason for Enquiry: Other Other Reason: Not known to us Supporting Documentation:</p>	1	£55.00

Subtotal:		£55.00
VAT:		£11.00
Payment Method:		Credit Card via SagePay
Total:		£66.00

Your details

Email: utility.reports@technicsgroup.com

Tel: 01483230080

Billing address

Stephen Sawyer
Technics Group
Technics House
Merrow Business Park
Guildford
GU4 7WA

All quotes, offers or proposals are (i) made based on Interoute's standard terms and conditions (ii) subject to contract, survey and availability; and (iii) only valid for a period of 30 days from the date of this message.

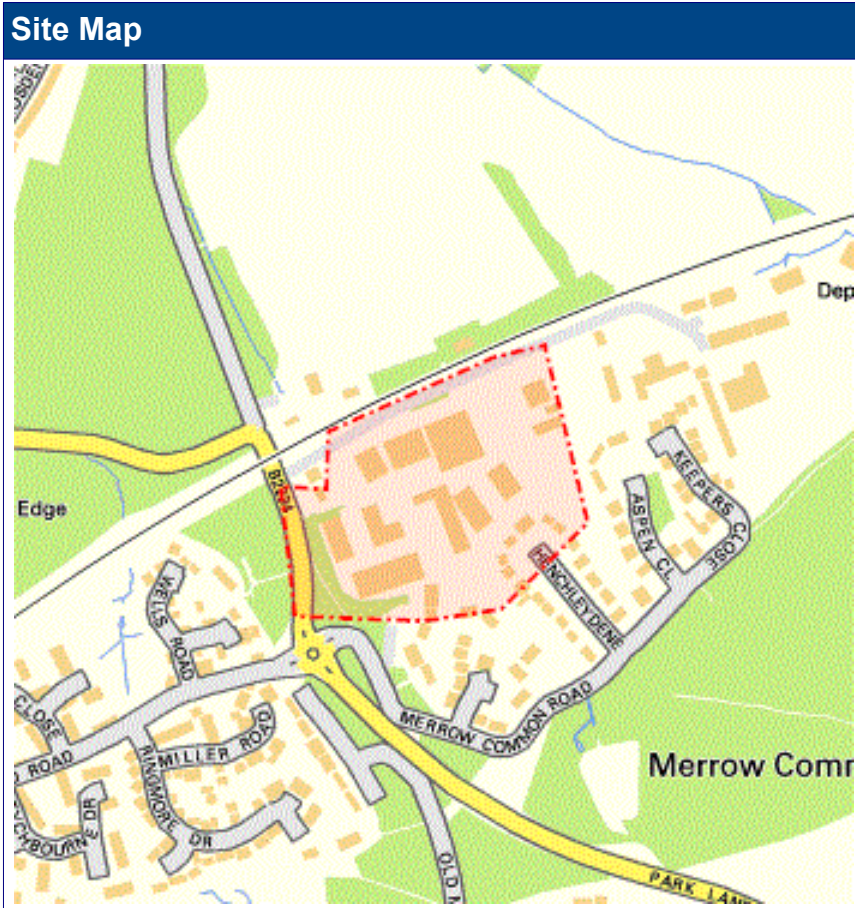
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OIL/FUEL

Enquirer			
Name	Mr Stephen Sawyer	Phone	01483230080
Company	Technics Group	Mobile	Not Supplied
		Fax	Not Supplied
Address	Technics House Merrow Business Park Guildford Surrey GU4 7WA		
Email	utility.reports@technicsgroup.com		
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	SP16677		
Enquiry type	Initial Enquiry	Work category	Development Projects
Start date	31/10/2016	Work type	Commercial/industrial
End date	31/10/2016	Site size	41001 metres square
Searched location	XY= 502542, 151858 Easting/Northing	Work type buffer*	25 metres
Confirmed location	502526 151874		

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



Asset Owners

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BPA	Fulcrum Pipelines Limited	Premier Transmission Ltd (SNIP)
Carrington Gas Pipeline	Gamma	Redundant Pipelines - LPDA
CATS Pipeline c/o Wood Group PSN	Humbly Grove Energy	RWEnpower (Little Barford and South Haven)
Cemex	IGas Energy	SABIC UK Petrochemicals
Centrica Energy	Ineos Enterprises Limited	Scottish Power Generation
Centrica Storage Ltd	INEOS Manufacturing (Scotland and TSEP)	Seabank Power Ltd
CLH Pipeline System Ltd	Lark Energy	Shell (St Fergus to Mossmorran)
ConocoPhillips (UK) Ltd	Lightsource SPV Limited	Shell Pipelines
Coryton Energy Co Ltd (Gas Pipeline)	Mainline Pipelines Limited	Total (Finaline, Colnbrook & Colwick Pipelines)
CSP Fibre c/o Centara	Manchester Jetline Limited	Transmission Capital
Dong Energy (UK) Ltd	Manx Cable Company	Uniper UK Ltd
E.ON UK CHP Limited	Marchwood Power Ltd (Gas Pipeline)	Vattenfall
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