Premier Energy
specialists in utility infrastructure

Sample Site

98 Copthorne Road
Shrewsbury
Shropshire
SY3 8NA

01/01/2017

PROJECT NO.
600000

ISSUE NO.
1

STATUS
For Information

YOUR LOGO HERE

Utility Search
Prime

Introduction

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

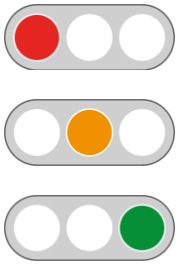
The report is based on the information provided by the client about the location of the search area and the information provided by the utilities about their existing plant and networks. The information contained in this report is based on desk research only.

What is a utility constraint?

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

Report interpretation

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



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

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

Green – site constraints do not appear to exist.

In order for this report to conform to QL-D of PAS 128:2014 - Specification for Underground Utility Detection, Verification and Location it will need to be upgraded by purchasing our Prime Top-Up product. To obtain further detail on utility locations consider site reconnaissance (QL-C), detection (QL-B) and verification (QL-A) as recommended under 'Important Information'.

Prepared by	Signed off by
AAR	
Alex Revell	Martin Darlison

Cert No 6206
ISO 9001

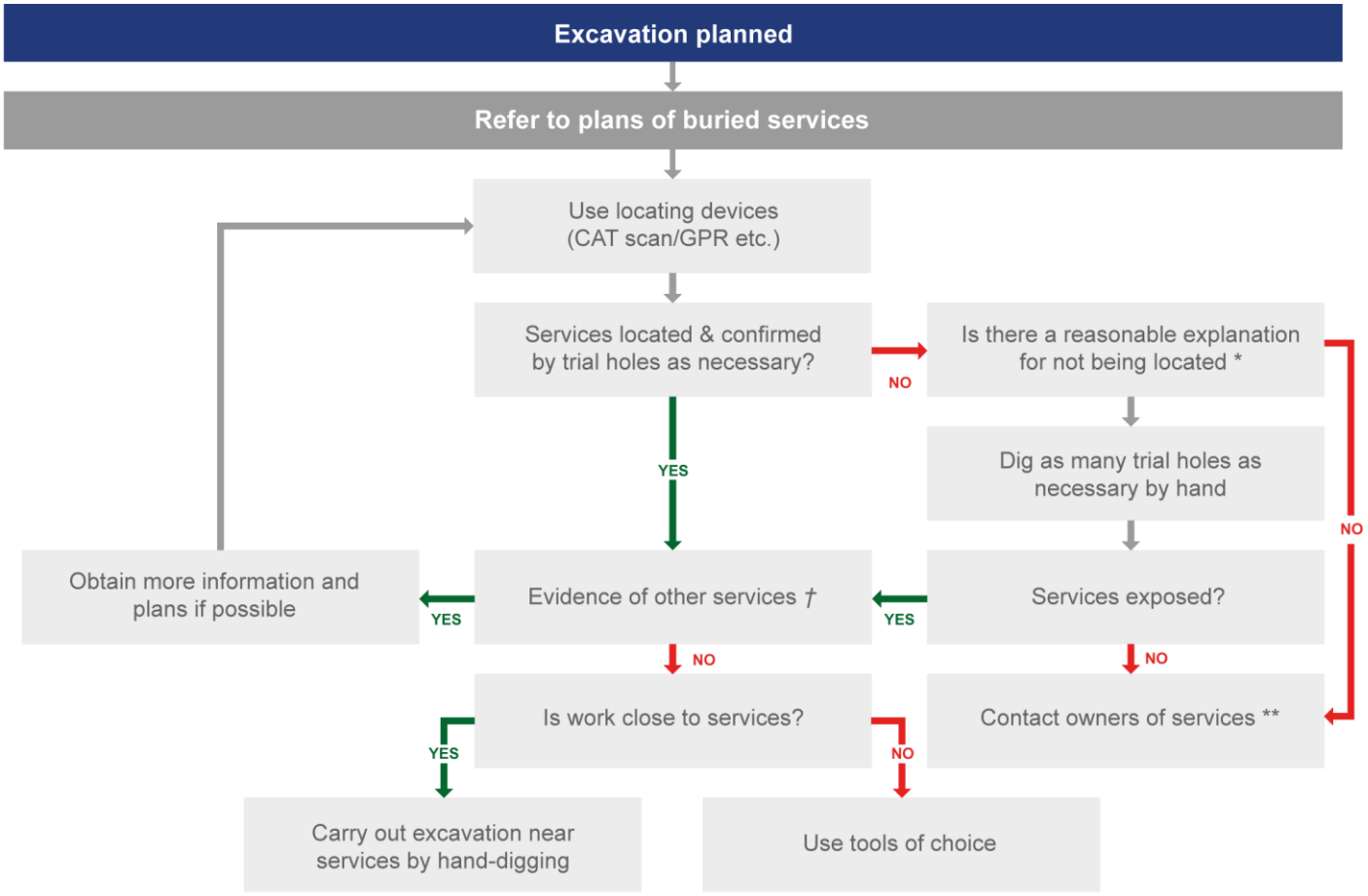
Premier Energy Services Ltd has taken all reasonable steps, within the timescales, to obtain the most robust information in this report but accepts no liability for the accuracy of such information or report and in addition to any limitation of liability under its Standard Terms and Conditions. These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

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

Important Information

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

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



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

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

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

Important Information

Relevant Documents

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

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

Basic Risk Assumption for all Services

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

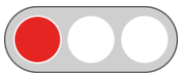
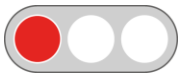
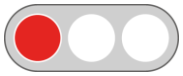
- All existing buildings have gas, water electric and telecoms supplies to them until proven otherwise.
- Any supply to an existing building, no matter how old the building is or how deteriorated the supply may appear, is taken to be ‘live’ until proven otherwise.
- All open land, vacant lots and derelict sites are deemed to have services beneath them until proven otherwise.
- The only acceptable proof that a service is ‘dead’ and can be removed is written confirmation from the owner of the service.
- The quality and accuracy of information provided by utilities about their existing plant is indicative and no warranty is made as to its accuracy. Therefore, any utility record plans and/or marked up drawings provided by each utility must only be used as a guide and the actual location of plant should be verified by CAT Scan or trial holes before construction works commence.
  Please note not all service connections are shown on the utility record plans.

Plant Found Within Site Boundaries

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

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

Enclosures

Type	Company	In Vicinity	Desk Research	Awaiting Response
Electricity	Western Power Distribution			
Water	Severn Trent Water			
Drainage	Severn Trent Water			
Gas	Cadent Gas (formerly NGG)			
Telecoms	Openreach (formerly BT)			
Independents	GTC			
	Energetics			
Other	LinesearchbeforeUdig (for WPD see electric section)			

Acronyms Key

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

Premier Energy

Specialists in utility infrastructure

Request Ref: 501608

98 Copthorne Road, Shrewsbury, Shropshire, SY3 8NA.
Eastings 347977, **Northings** 312818

Imagery sourced from Open Street Maps

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Imagery sourced from ArcGIS World Imagery

WESTERN POWER DISTRIBUTION

Serving the Midlands, South West and Wales

Our Ref: 9647586 Your Ref: 98 Copthorne Road, Shrewsbury

Tuesday, 03 January 2017

Alex Revell
Premier House Daux Road
Billingshurst
West Sussex
RH14 9SJ

Western Power Distribution,
Mapping Centre
Toll End Road
Tipton
West Midlands
United Kingdom
DY4 0HH
www.westernpower.co.uk

Map Response
T 0121 623 9780
F 0121 623 9223
WPDMapResponse
@westernpower.co.uk

LinesearchbeforeUdig
Help Desk 0845 437 7365

Dear Alex Revell

Thank you for your enquiry dated Tuesday, 03 January 2017

I now enclose a copy of our plan showing existing Western Power Distribution (WPD) Electricity / WPD Surf Telecom apparatus in the vicinity of your proposed works. This information is given as a general guide only and its accuracy cannot be guaranteed. Please note that all WPD equipment on site should be assumed to be LIVE until WPD prove otherwise and provide you with confirmation to this effect in writing. Recent additions to our network, or service connections between the main cable and a building or street lamp may not be shown.

Damage to underground cables and contact with overhead lines can cause severe injury or may prove fatal. If you are excavating on site in the vicinity of either WPD Electrical apparatus or WPD Surf Telecom apparatus you must comply with the requirements of the following:-

Health & Safety Executive guidance HS(G)47, Avoiding Danger from underground services.

Work taking place in the vicinity of our plant is also regulated under the:-

Electricity at Work Regulations 1989, Health and Safety Act 1974, CDM Regulations 2015.

Safe working procedures should be defined and practiced

Please ensure that the use of mechanical excavators in the vicinity of our plant is kept to a minimum. WPD Surf Telecom ducts contain fibre cables, which are expensive to repair. Therefore, extreme care must be taken whilst working in the vicinity of these ducts, hand digging methods being used to determine their precise position.

If there are overhead lines crossing your site and your proposal involves building works which may infringe the clearance to our overhead system then you should call the relevant general enquiries number (see page 2 of this letter) for advice. Where overhead lines cross your site you must comply with the requirements of Health & Safety Executive guidance as laid down in GS6, Avoidance of Danger from Overhead Electric Lines.

Where diversions to WPD apparatus are needed to allow change to occur on site, the cost of these alterations may be charged to the persons responsible for the works.

If you require advice in connection with your proposals please contact the relevant general enquiries number (see page 2 of this letter)

Following consultation the local Western Power Distribution team will where necessary prepare detailed proposals and provide a quotation for any necessary alterations and/or development of our equipment on the site.

Yours sincerely
WPD Map Response Team

Western Power Distribution PLC
South West - 02366894
South Wales - 02366985
East Midlands - 02366923
West Midlands - 03600574

Registered in
England and Wales

Registered Office:
Avonbank
Feeder Road
Bristol
BS2 0TB

Contact Us

Emergency or Power Supply issues
In an emergency call 0800 6783 105, 24 hours a day.

Mapping Enquiries
If you have an enquiry relating to this letter or the attached map plan, please contact us using the following information:

Telephone	0121 623 9780
Fax	0121 623 9223
Email	WPDMapResponse@westernpower.co.uk

General Enquiries
If you have a general enquiry, please call us on the following telephone number:

All areas	0800 096 3080

LinesearchbeforeUdig
If you have an enquiry relating to the use of the LinesearchbeforeUdig website please contact LinesearchbeforeUdig using the following information:

Telephone	0845 437 7365
Email	enquiries@linesearchbeforeudig.co.uk
Website	www.linesearchbeforeudig.co.uk

Steps to help keep you safe

- **If you are working within 10 metres of our 33kV, 66kV, 132kV underground electricity cables or within 10 metres of an overhead electricity line you should call the relevant General Enquiries for free safety advice.**

  Safety Documents – please download our informative safety documents to help ensure that you, your staff and the public are kept safe whilst working in the vicinity of electricity.
  http://www.westernpower.co.uk/Health-and-Safety/Public-Safety

- **Make sure you have up to date plans** - remember that recent additions to our network or service connections between the main cable and a building or street lamp may not be shown.

- **Look for signs of service cables -** an electricity meter box or nearby streetlamp may give you an indication that service cables are present in your area of work.

- **Non WPD Network -** electricity cables, lines and equipment owned by others may also be present in addition to WPD network. They are unlikely to be shown on our plans.

- **Use a cable locator** - trace electricity cables and mark the position of them using paint or other waterproof marking on the ground.

- **Hand dig trial holes** - to confirm the position of cables in close proximity to your area of your work and use spades and shovels rather than picks, pins or forks.

- **Have an emergency plan** - so that everyone working on site understands what to do in the event of an underground electricity cable being damaged or contact being made with an overhead electricity line.

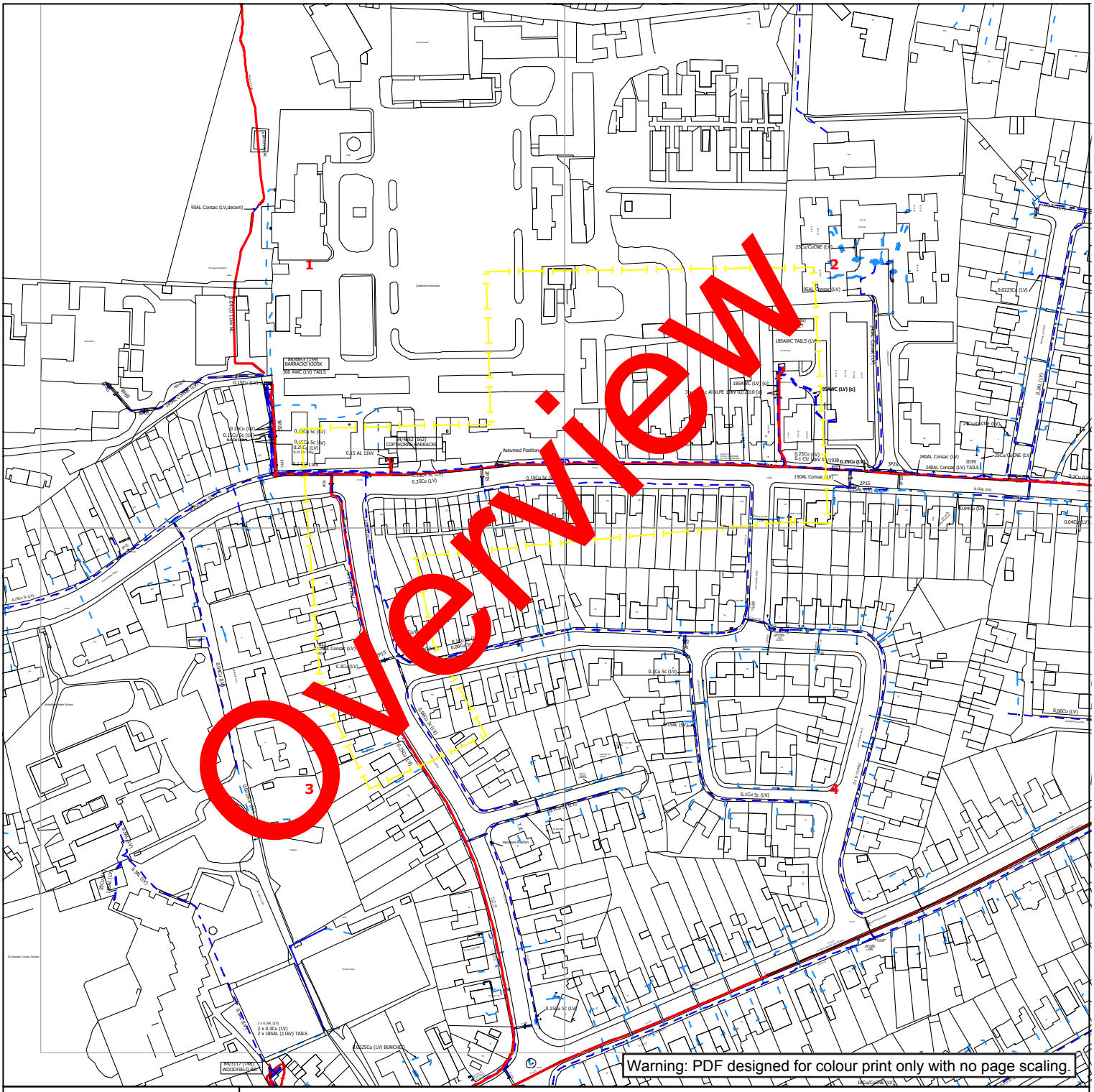
- **If you are working within 10 metres** of an overhead electricity line then it may be necessary for you to erect warning signs and markers, or height restriction goal posts. Ensure that you comply with the requirements of Health & Safety Executive guidance laid down in GS6, Avoidance of Danger from Overhead Electric Lines.

- **If you are erecting a structure** that could allow anyone standing on it, or its access device (ladder, scaffold, MEWP), to come within 3m of any overhead electric line then **you must inform us**. This is your duty and a legal requirement under the Electricity Safety, Quality & Continuity Regulations 2002.

- **If you cannot work safely** around the underground electricity cable or overhead electricity line, then you may need to get it moved to allow your works to go ahead. Call the general enquiry numbers above for guidance.

- **It is possible that cables or pipes may be embedded in concrete** - electricity cables embedded in concrete MUST be made 'dead' by Western Power Distribution or the cable owner before the concrete is broken out. Alternatively, another safe way of working should be agreed.

Cables are sometimes covered by tiles or a marker tape - these can be concrete, polythene or earthenware and are a useful early warning of the presence of cables; you should avoid disturbing any tiles or tape to expose the cable. Not all cables have these warning indicators.



WESTERN POWER DISTRIBUTION

Serving the Midlands, South West and Wales

Contact Us

Mapping Enquiries:

All areas 0121 623 9780

General Enquiries:

All areas 0800 096 3080

Date Requested: 03/01/2017

Job Reference: 9647586

Site Location: 347976 312801

Requested by:

Mr Alex Revell

Your Scheme/Reference:

98 Copthorne Road, Shrews bury

Link Box

Site Location

Line/Area

Overhead Line

- PL
- Service
- LV
- HV (11kV)
- HV (33kV)
- HV (66kV)
- HV (132kV)

Underground Cable

SURF Telecoms

PME Earth

Underground Earth

Pilot Cables

Pole Mounted Transformer

Ground Mounted Transformer

IMPORTANT NOTICES

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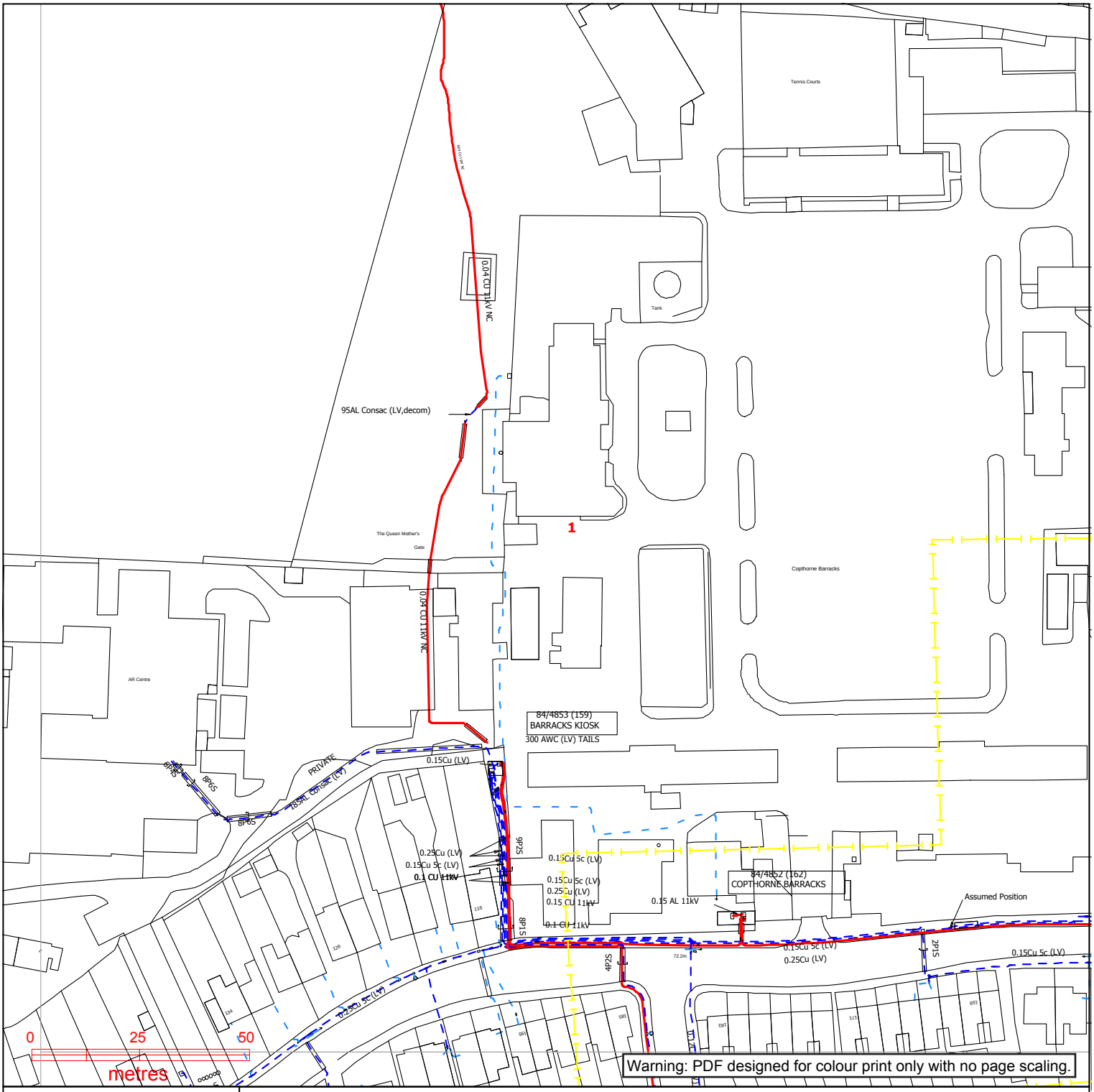
- Cables, overhead lines & substations owned by other electricity network owners or private companies may be present but will not be shown.
- You should always verify exact locations of cables using a cable locator and by careful use of hand tools in accordance with HSE guidance note HSG47.
- When working within 10m of any overhead electric line you should follow the requirements of HSE Guidance Note GS6.
- For further advice on working near our electricity cables or lines, call our General Enquiries number.
- Advice should be sought from the Western Power Distribution General Enquiries team for any work that is to take place in proximity to 132kV underground cables and 132kV overhead lines.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA

0800 6783 105



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98 Copthorne Road, Shrewsbury

Exact Scales:

1:1250 Area or Circle dig site

1:500 Line dig site

Link Box

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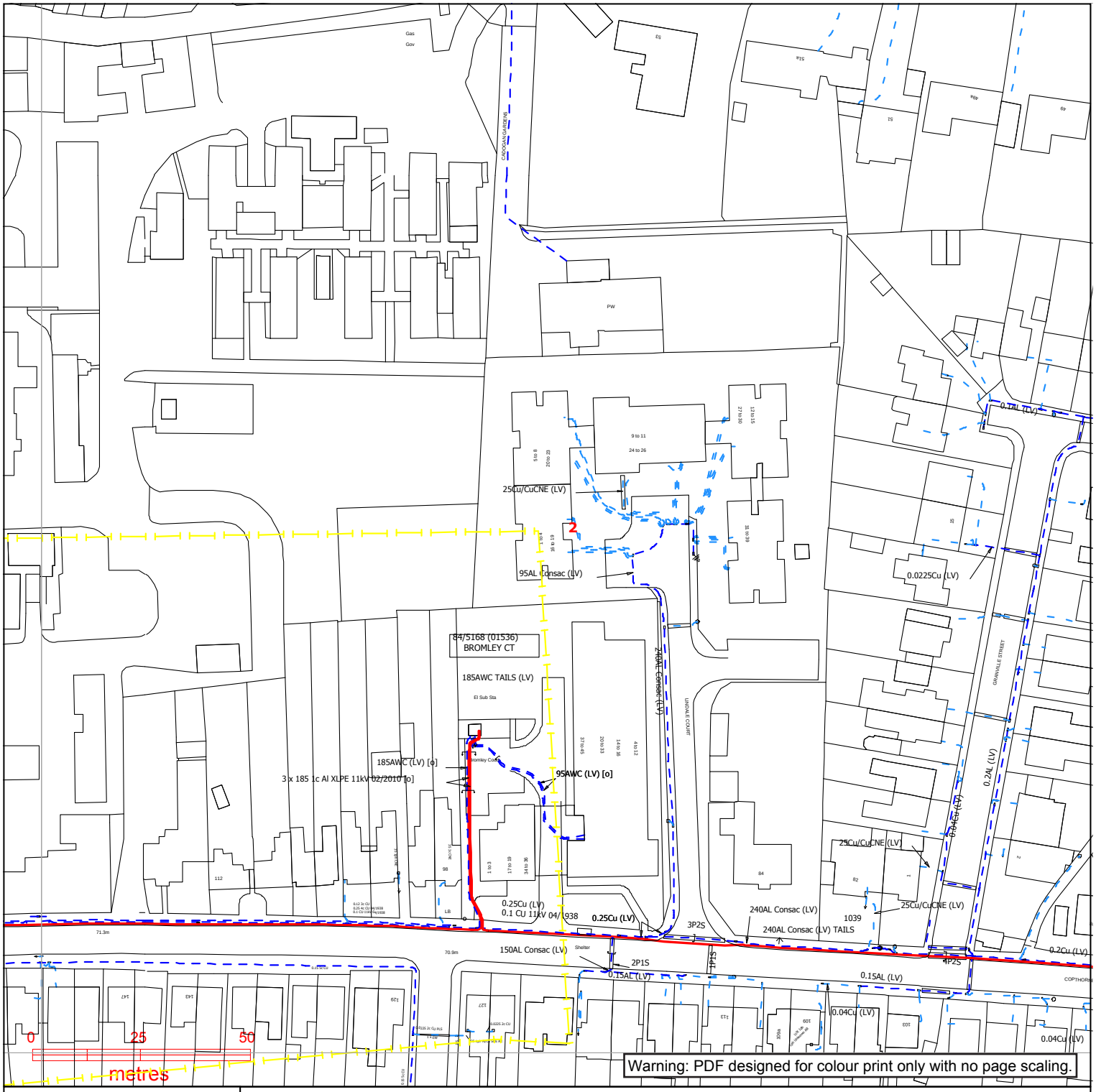

Warning: PDF designed for colour print only with no page scaling.

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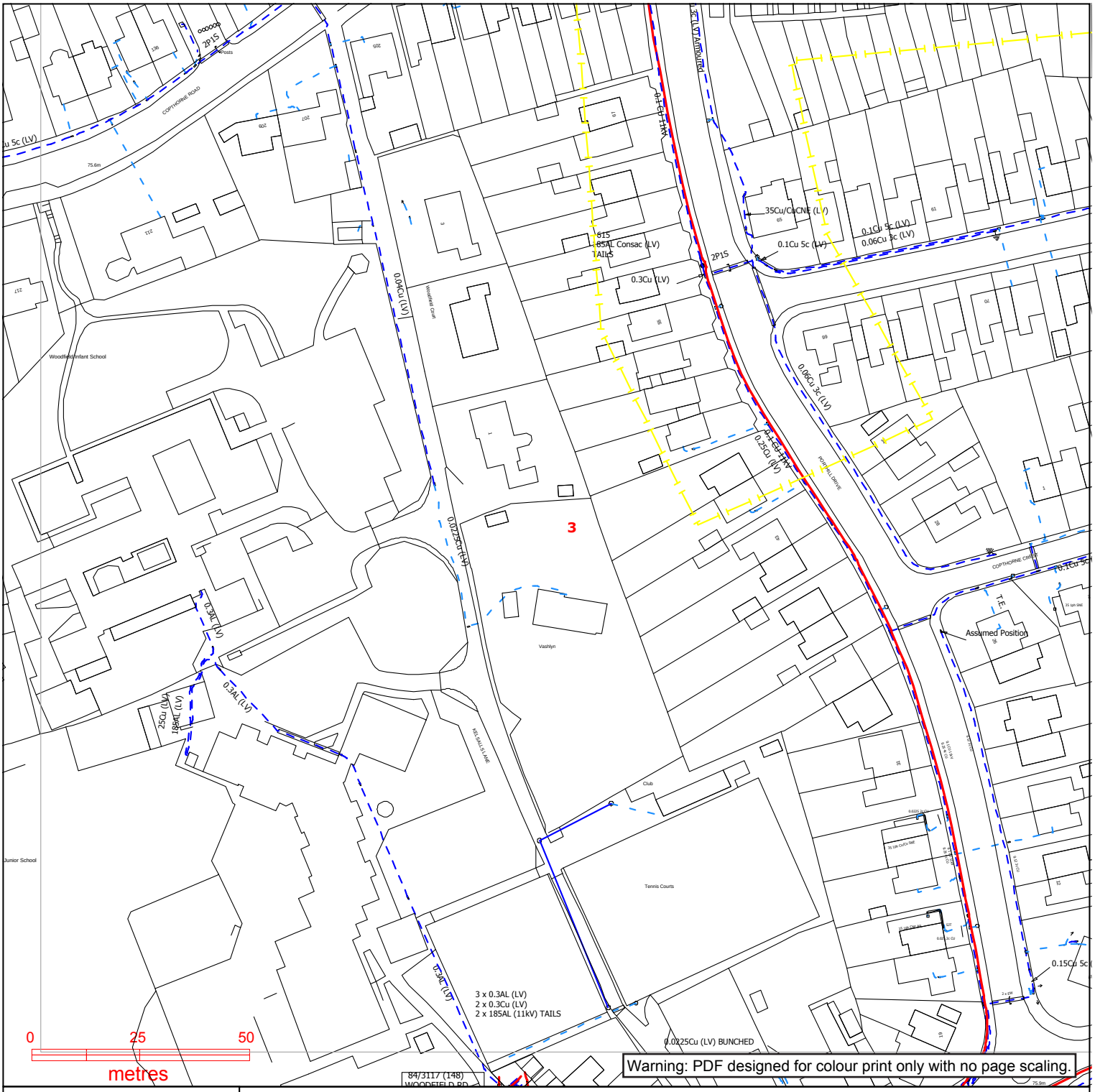

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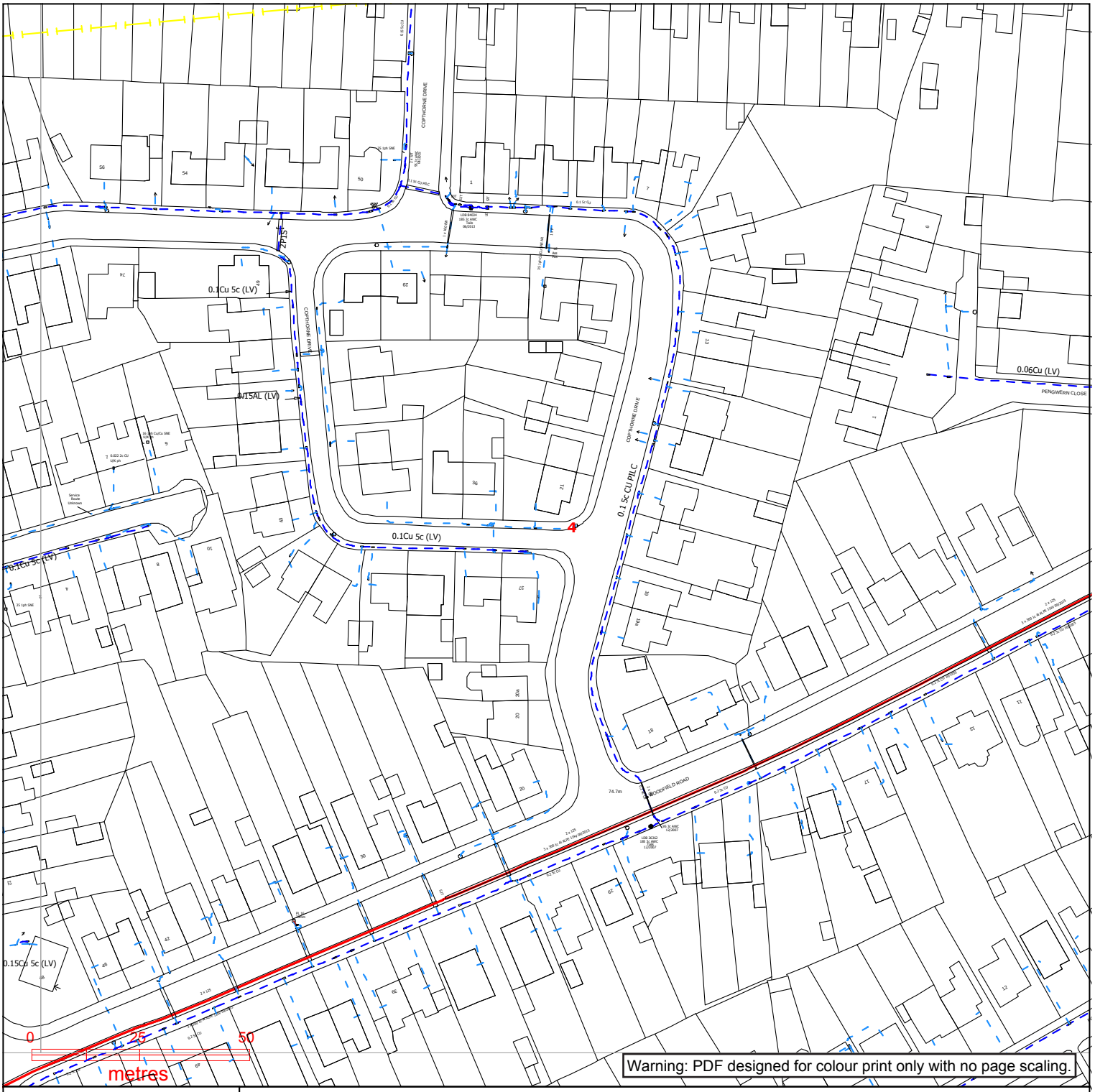

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Avoidance of Danger from Electricity Overhead Lines and Underground Cables

WESTERN POWER DISTRIBUTION
Serving the Midlands, South West and Wales

Avoidance of Danger from Electricity Overhead Lines and Underground Cables

Introduction

In the UK on average, 20 people are killed and 400 people are injured as a result of coming into contact (or close proximity) with electricity overhead lines and underground cables.

Although electric shock is the first thing that people associate with coming into contact with our network, those who have witnessed the effects of damage to our system are shocked by the amounts of heat, light and noise that are the result of an electrical flashover.

In the Midlands, South West and South Wales, Western Power Distribution (WPD) have had to attend to incidents where people have accidentally made contact with one of our live electricity overhead lines or damaged an underground cable and become seriously injured.

A significant number of these accidents occurred whilst people were working in the vicinity of overhead and underground electrical apparatus and this booklet has been produced to provide general guidance on how you and your employees can avoid becoming one of these statistics.

Our Operational Area

PLANNING YOUR WORK.

It makes sense to consider your safety while in the vicinity of our equipment as early in your planning process as possible.

One of the first things you should do whenever you are planning your work is to check whether there is any of our equipment in the immediate vicinity. You should do this whether your work is taking place on public (e.g. highways and footpaths) or on private land.

For instance, take a good look around your site to see if there are any visible overhead lines. You should also bear in mind that we have a very extensive network of underground cables, and we are always happy to supply a plan from our Map Response Team who can be contacted via the following;

Tel: 0121 623 9780
Fax: 0121 623 9223

WPDMapResponse@westernpower.co.uk

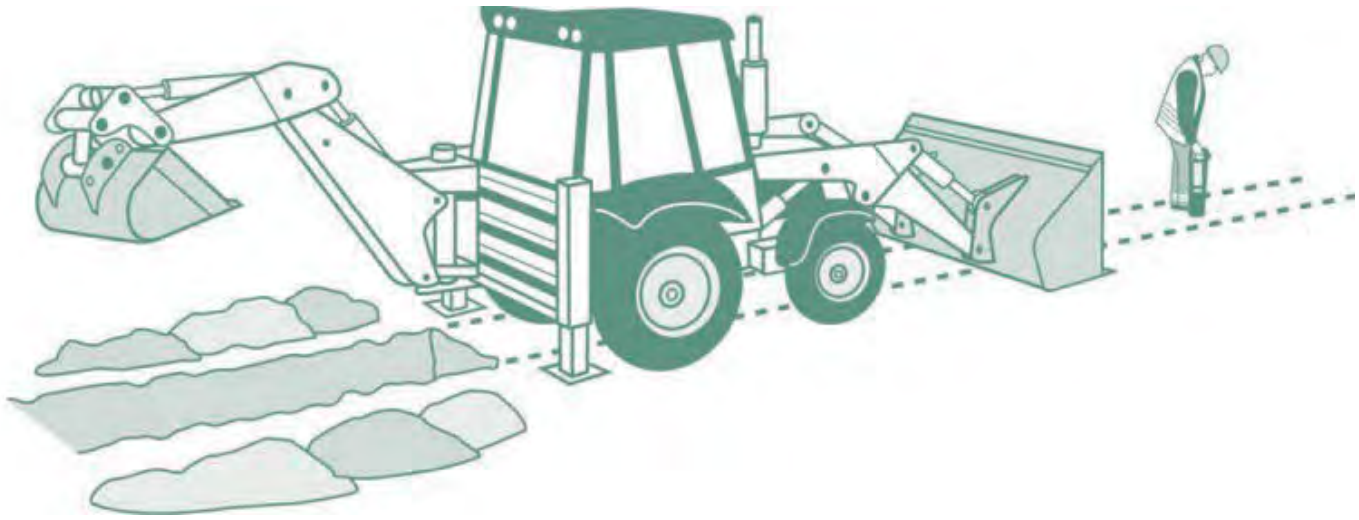
An online mapping service is available at
www.westernpower.co.uk/locationplans

It is always safer to assume that there are underground cables present in the ground until you have proven otherwise.

WORKING IN THE VICINITY OF UNDERGROUND CABLES

Having obtained copies of our network maps, it is important to recognise that in most cases there will be no surface indication of the presence of our underground cables. We therefore advise that you take the following actions:

- Make sure that you have up-to-date copies of our cable record plans ON SITE - not back in the office.
- Don't assume that these plans are to scale if they have been faxed or copied.
- Make sure that a competent person using a Cable Avoidance Tool (CAT) locates all of the cables shown on these plans.
- Mark the locations of cables on the ground surface with waterproof road paint or other permanent marker.
- Always assume that our cables are live unless we have informed you, in writing, otherwise.



- By hand, dig trial holes to locate the exact position of all cables. Always use a spade or shovel – never use a pick, fork or power tool – push the spade or shovel into the ground applying foot pressure.

- Look out for ducts, marker tape or tiles but do not rely on these. Even if a cable route was originally laid in a duct or with a marker tape, these may have been removed during other excavations at a later date along all or part of the cable route.
- Brief all people working in the vicinity of the presence and location of all underground cables.

UNDER NO CIRCUMSTANCES SHOULD YOU ATTEMPT TO WORK ON, OR INTERFERE WITH, ANY OF OUR UNDERGROUND CABLES.

The only people qualified to work on this equipment are our operatives; who have been specifically trained and are authorised in writing to do so.

Please also be aware that:

- Cable record plans are not guaranteed to be completely accurate. Kerb lines, roads and buildings may have been moved or altered since the cables were laid.
- Cables should ordinarily be at least 450mm deep but don't assume this to be the case where you are working – ground levels could have changed.
- Not all service cables are shown on record plans, so look for cables running down poles and bear in mind that all buildings, street lights and street furniture are likely to have cables running to them. Cables feeding street furniture may be relatively shallow near to the furniture.
- Cables do not run in straight lines. They often "snake" through the ground avoiding surface and buried obstacles that may not be visible to you.
- Cables are flexible and can change direction and depth abruptly – for this reason never use mechanical excavators within 0.5m of any underground electricity cable even if you have located it with trial holes.

- **No attempt should be made to break out concrete surrounding a cable. Please contact us immediately on our general enquiries number and we will discuss the options for safe working which may include making the cable dead or you moving your work site if possible. If we need to make the cable dead we may need to provide our customers with two weeks notice of the power interruption.**
- Our cables and joints are not designed to act as steps or to be left unsupported. If you remove support from any cable, you will need to support it using temporary hangers at not more than 0.5m intervals.
- When backfilling, please consolidate the ground under the cables, cover the cable with soil free of stones or with stone dust and replace any cable marker tiles, ducts and tape.

IF YOU DAMAGE AN UNDERGROUND CABLE

you must immediately clear the area of personnel, because the cable could still be live, or become live again.

If a machine is still in contact with the cable, instruct the driver to JUMP clear. Do not touch any part of the machine.

Please contact us on our emergency number immediately and tell us what has happened. Please be ready to provide us with a contact telephone number and an accurate location or set of directions – this will help us in getting our staff to site quickly to minimise any danger and lessen the disruption to your work.

Please report any damage to a cable, however superficial it might seem. The cable may not fail at the time of damage, but it could fail later, causing danger to our staff and other contractors, disruption to our customers' supplies, and also – if we trace the damage back to you – a very much larger repair bill.

WORKING IN THE VICINITY OF OVERHEAD LINES

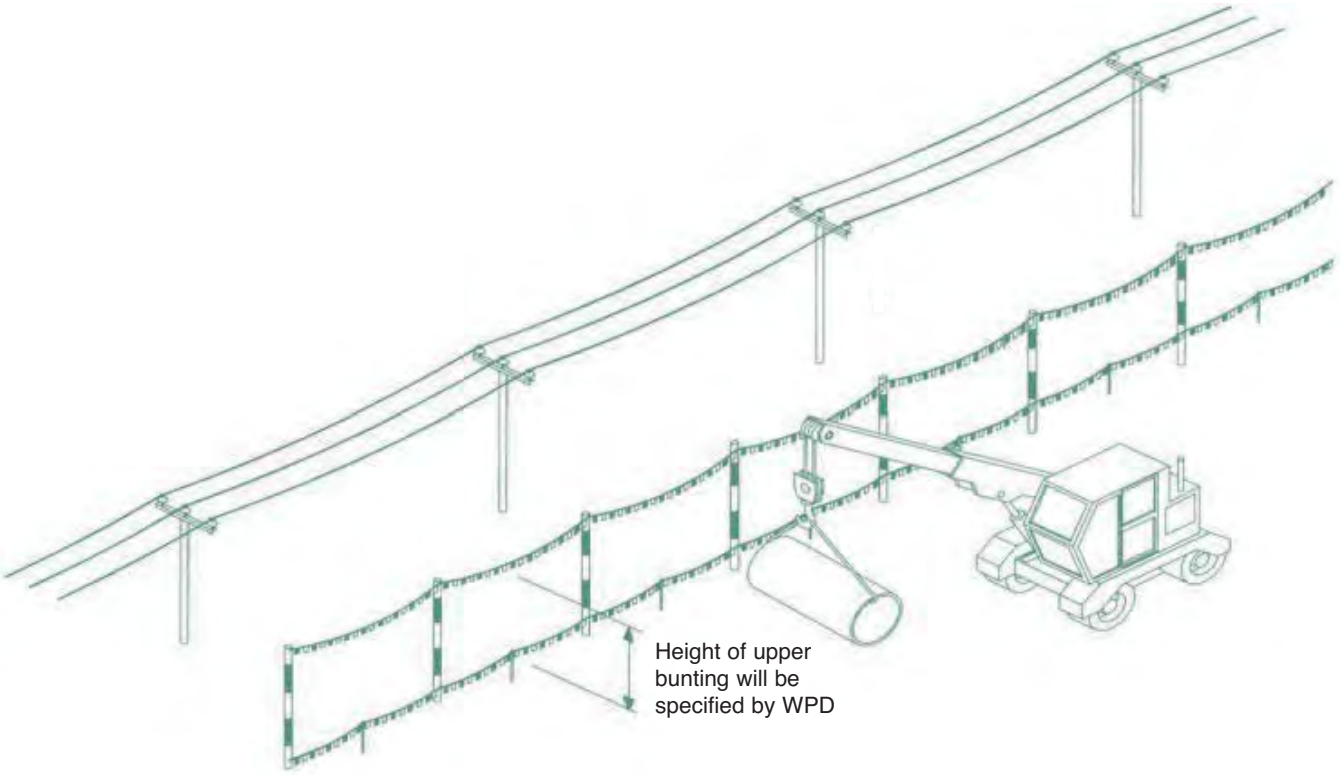
UNDER NO CIRCUMSTANCES SHOULD YOU ATTEMPT TO WORK ON, OR INTERFERE WITH ANY OF OUR OVERHEAD LINE EQUIPMENT OR SERVICE WIRES.

The only people qualified to work on this equipment are our operatives; who have been specifically trained and are authorised in writing to do so.

Overhead lines have the advantage that, unlike underground cables, they can easily be seen.

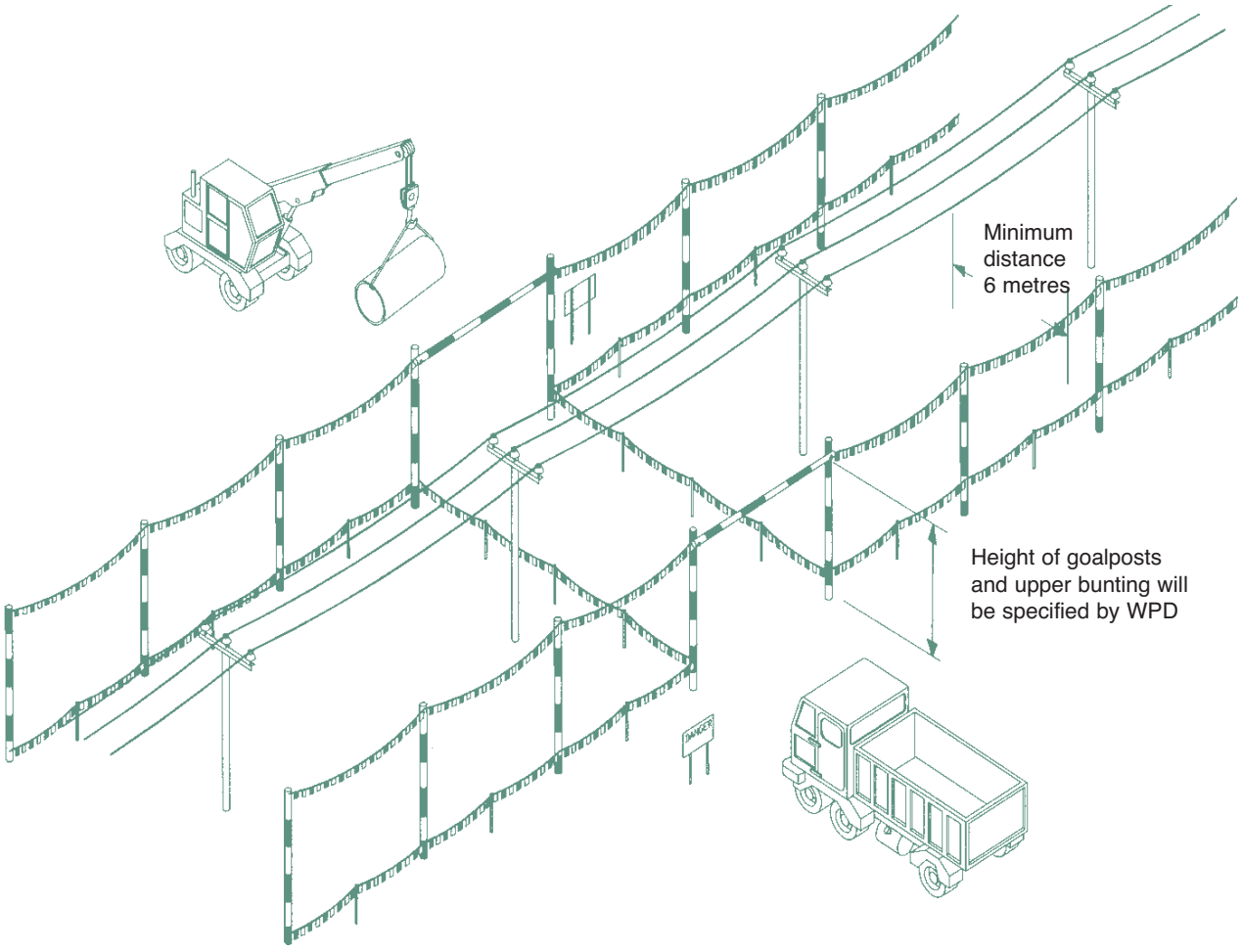
- Always assume that our overhead lines are live unless we have informed you otherwise in writing.
- We will be able to advise you about the type and voltage of the overhead lines in question and provide you with information about the clearances that you must adhere to during your work. Please ring our regional general enquiries number for further advice.
- If you are in any doubt about whether the overhead lines in question are power or telephone (this is a very common mistake) – please ask us.
- In some circumstances, we may be able to temporarily shroud low voltage overhead lines and services running to buildings if you need to work in the vicinity e.g. for scaffolding erection, fascia repairs and painting work on domestic properties. We don't normally charge for the shrouding of overhead lines, but please give us as much notice as possible.
- If you think that you will be working close to our overhead lines and they need shrouding – please don't start work until we have agreed what needs to be done and all safety precautions are in place.
- Please note that it is not technically possible to shroud high voltage lines, so if you cannot avoid working near to our high voltage lines, contact us and we will be happy to meet with you to discuss safe alternatives.

- If it is decided that work can go ahead in the vicinity of our overhead lines but there is a risk of you infringing the safety clearances from the overhead lines, you have a responsibility to erect safety barriers to segregate your works from the area around the overhead lines. The detailed requirements for these barriers are provided in the HSE document GS6 ‘Avoidance of Danger from Overhead Lines’. As a summary they should consist of:
  - Red and white coloured posts erected at 6m intervals, with coloured bunting stretched between their tops, supplemented by low level bunting erected at 1m above ground level, supported at 3m intervals on red and white coloured posts. This is shown below.



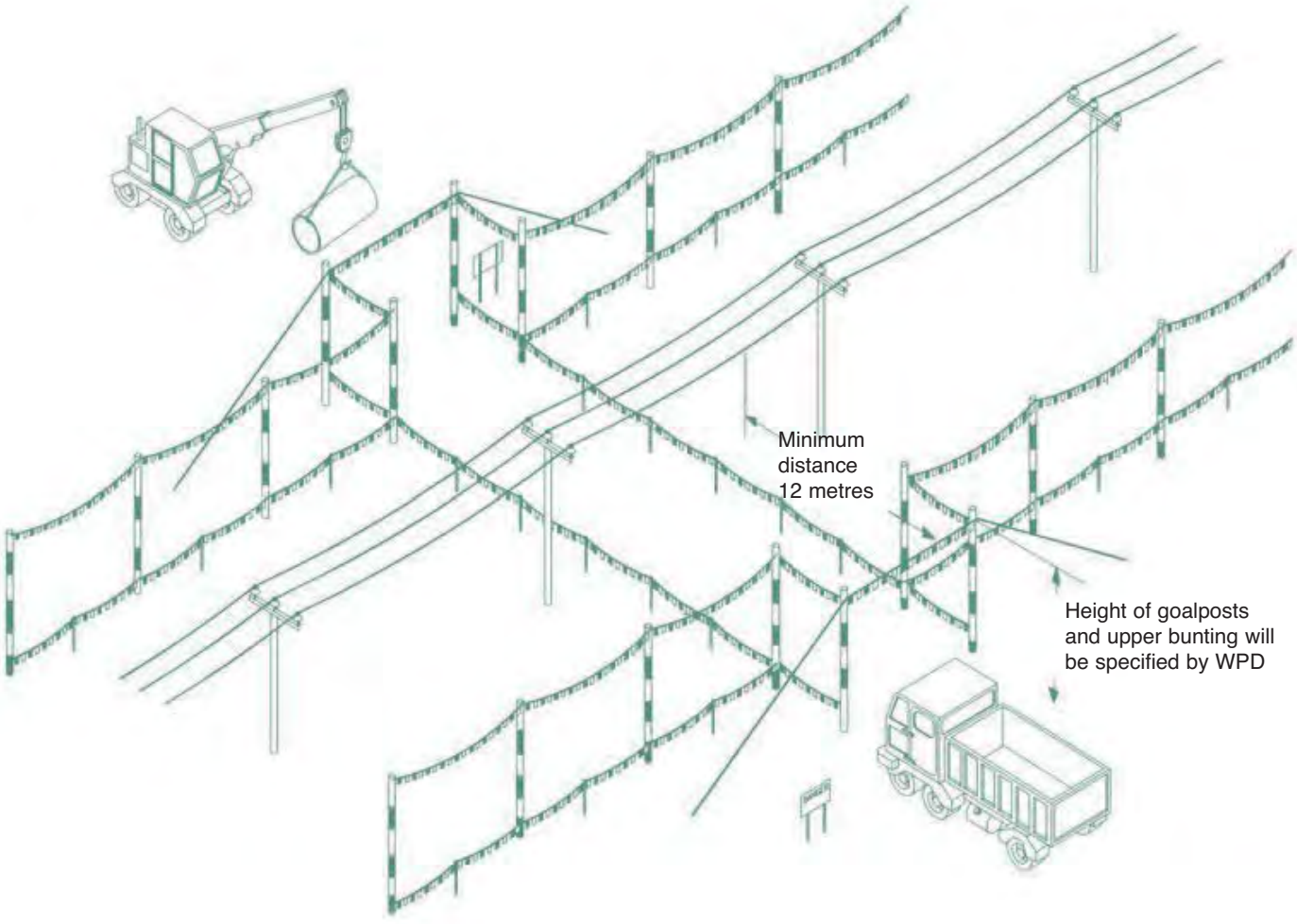
  - We are able to advise you on the height of the barriers and any additional clearances necessary if you are using large plant on your site.
  - Any bunting, ropes and lanyards used should be made from an insulating material.
  - These barriers should be erected parallel to the overhead line at a minimum distance of 6m horizontally from the outermost conductor of the overhead line.

- The supports may be supported by rubble or concrete filled barrels or buried directly in the ground.
- Danger Notices should be fixed to all of your high level supports.
- The ground enclosed within these barriers is best regarded as “dead ground” in which all foot and vehicular traffic is forbidden, in all circumstances, for the duration of your work.
- Where it is necessary for foot and vehicular traffic to pass under the line, you will need to form a marked access way between the barriers as shown below.



- This access way should comprise of bunting erected 1m above ground, supplemented by high level “goal-posts” erected at either end.
- The goal post cross bars should be rigid, made of insulating material and positioned in a location and at a height specified by us.

- The access route should be as narrow as possible and should not normally exceed 10m in width.
- If it is necessary to make the access route wider than this, you may find it impractical to use rigid cross bars, so you may use a tensioned rope and bunting instead. If you use rope and bunting as a cross bar, you should move the entrance to the access route out to a minimum distance of 12m from the outermost conductor of the line. This is to allow for any stretching of the rope if pulled by your plant.



- If you decide to use steel wire rope to support the barrier, this must be effectively connected to earth at both ends.
- You should also install Danger Notices at all probable directions of approach and clearly display the cross bar height.
- If you are working at night, or in conditions or poor visibility, you should ensure the area is well lit and that the overhead lines are clearly visible.
- Whatever measures you take, you should ensure that everyone working in the vicinity of overhead lines is briefed about the risks and what safety measures are in place. Do not permit anyone to carry long objects, especially scaffold poles, ladders and irrigation pipes in the vicinity of overhead lines.
- You should ensure that all shrouding, barriers and signs are regularly inspected and maintained so that they remain effective.
- Overhead lines are not normally insulated and electricity at high voltages may jump, so a dangerous situation can arise just from a close approach.
- Cranes and excavators working near overhead lines are at increased risk because of the possibility of the jib/arm slewing or being raised into the overhead line, or the load swinging into the overhead line. You may therefore also need to fit plant and vehicles with restricting chains etc. to physically restrain their operation – we can advise on this if you wish.
- If you are planning to carry out tree cutting or arboriculture work in the vicinity of our overhead lines, you need to be aware that this is a complex, high risk activity and we recommend that you employ a competent tree surgeon, who complies with all of the requirements of Forestry industry Safety Accord (FISA) publication FISA 804 - Electricity at work: Forestry.

If contact is made with an overhead line

you must immediately clear the area and suspend all work within 50m of the damage because the line could still be live, or become live again.

The operator of a machine that is in contact with an overhead line should:

- **if the machine is still operable and the operator is still in the cab:**

  provided that you do not risk breaking the overhead line or dragging it to the ground, immediately lower the raised parts of the machine USING ONLY THE CONTROLS IN THE CAB and/or drive the vehicle clear of the overhead line.

  contact us immediately on our emergency number so that we can check the overhead lines.

  instruct other people in the vicinity not to approach the vehicle.

- **if the machine is not operable, cannot be driven clear of the overhead line or there is a risk that doing so will break the line or drag it to the ground:**

  stay in the cab.

  contact your site manager or us immediately on our emergency number by radio or mobile phone or as soon as possible by any other method.

  instruct everyone outside the vehicle not to approach it.

  do not exit the cab until given confirmation BY WPD PERSONNEL that it is safe to do so.

- **if the machine is inoperable or cannot be driven free and there is risk of fire or other immediate hazard:**

  JUMP clear of the vehicle, avoiding simultaneous contact with any part of the machine and the ground.

  try to land with your feet as close together as possible.

  where possible, continue to move away from the vehicle using “bunny hops” with your feet together until at least 15m from the vehicle.

  instruct other people in the vicinity not to approach the vehicle.

  contact us immediately on our emergency number.

  do not return to the vehicle until given confirmation by WPD PERSONNEL that it is safe to do so.

Whatever the circumstances please contact us on our emergency number immediately and tell us what has happened. Please be ready to provide us with a contact telephone number and an accurate location or set of directions – this will help us in getting our staff to site quickly to minimise any danger and lessen any disruption to your work.

Please report any damage or contact no matter how minor they may seem to you at the time. The damage may not cause a serious problem at the time of damage, but it could fail later, causing danger to our staff and members of the public, disruption to our customers' supplies, and – if we trace the damage back to you – a large repair bill.

MORE INFORMATION

For your information, we are legally obliged to report all contact with our system to the Health & Safety Executive (HSE), and, if you are an employer, you may be obliged to report incidents involving your staff or contractors to the HSE. Even if no one is hurt, you could be prosecuted for failing to report such an incident.

More detailed general information on this subject is available in the following publications from the HSE:

HSG(47) – Avoiding Danger from Underground Services

GS6 – Avoidance of Danger from Overhead Lines

Along with Forestry Industry Safety Accord (FISA) publication FISA 804 – Electricity at Work: Forestry

If you require more site-specific information relating to our equipment at your location please contact us on our regional general enquiries numbers.

Our general enquiries numbers are;

Midlands General Enquiries	0845 724 0240
South Wales General Enquiries	0845 601 3341
South West General Enquiries	0845 601 2989

FINALLY…

Please, always remember that electricity cables and overhead lines can be very dangerous – the general rule is STAY AWAY and stay safe.

NOTES

WESTERN POWER DISTRIBUTION

Serving the Midlands, South West and Wales

This booklet is issued by the Safety Team

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2014, 4th issue

Our emergency number is:
0800 6783 105

Calling from a mobile?
East Midlands
0330 123 5009
West Midlands
0330 123 5008
South Wales
0330 123 5002
South West
0330 123 5001

SEVERN TRENT WATER Ltd
Asset Data Management
GISmapping Team
PO Box 5344
Coventry
CV3 9FT
Tel 0845 601 6616
Fax 02477 715862
Contact
Our Ref 40168

04 January 2017

Apparatus Location Enquiry

Further to your enquiry re: 98 Copthorne Road, Shrewsbury, Shropshire SY3 8NA

Enclosed is a copy of the plans showing the approximate positions of the **public sewers and water mains** situated within the vicinity of the land/property which is the subject of your enquiry.

Asset Data Management can only provide plans of the location of the Company's underground assets. Therefore service pipes and drains are the responsibility of the property owner and should be anticipated during any excavation.

However, we wish to inform you that although most private lateral drains and sewers were transferred to Severn Trent Water's ownership on 1st October 2011, the Company does not possess complete records of these assets and therefore they may not be shown on these maps.

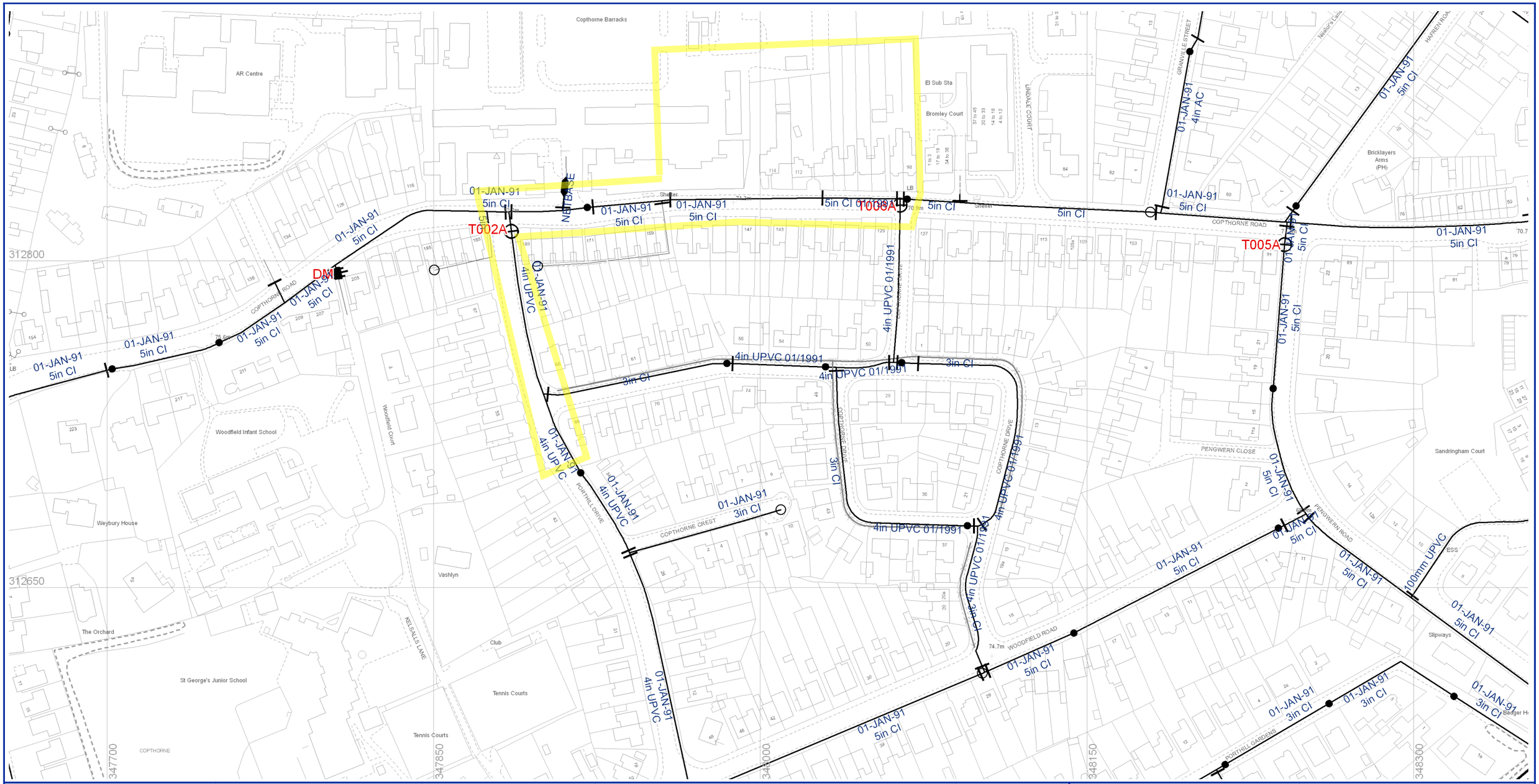
Please also find enclosed a copy of Severn Trent Water's General Conditions and Precautions for your information.

VAT and card payment receipts (where appropriate) are attached herewith together with your enquiry documentation. Please forward VAT receipt to your finance department.

Kind Regards

GISmapping Team

Enquiry received
GISmapping:
04 January 2017



Distribution Main	Pumping Facility	Water Isolation Valve (Closed)	Change In Characteristic	**MATERIALS**	**LINING**
Trunk Main (local/primary)	Booster Facility	Water Isolation Valve (Open)	Marker Post	AC - ASBESTOS CEMENT	BI - BITUMEN
Strategic Main	Potable Water Storage	Water Isolation Valve (Partially Open)	Cable Junction	AK - ALKATHENE	CL - CEMENT
Fire Supply Main	Water Tower	Water Air Valve	Anode	C - CONCRETE	PL - PLASTIC
Fire Main	Well / Borehole	Pressure Reducing Valve	Boundary Box	CI - CAST IRON	RL - RESIN
Non-Domestic Customer Service Pipe	Intake	Pressure Sustaining Valve	Stop tap	CU - COPPER	O - OTHER
Domestic Customer Service Pipe	Water Treatment Works / Chamber	Non-Return Valve	Cross Piece	DI - DUCTILE IRON	
Abandoned Main	Draw-off Tower	Float Valve	Strainer	GF - GLASS FIBRE	
Elevated Main	Bowser Point	Hydrant (Single/Double)	Listening Post	GRC - GLASS REINFORCED CONCRETE	
Aqueduct	Water Facility Connection	Washout (Single/Double)	Revenue Meter	GRP - GLASS REINFORCED PLASTIC	
Duct	Quality Sample Point	Bulk Meter	Housing, Building	HDPE - HIGH DENSITY POLY	
Cable, Earthing		Water Hatch Box	Housing, Kiosk	HPPE - HIGH PERFORMANCE POLY	
Cable, Optical Fibre/Instrumentation		Pressure Tapping	Housing, Other	LDPE - LOW DENSITY POLY	
Cable, Low Voltage		Insertion Flow Meter Point	Pipe Support Structure	LEAD - LEAD	
Cable, High Voltage		Water Chemical Injection Point	Open Pipe	MDPE - MEDIUM DENSITY POLY	
Cable, Other		Motive Water Point	Discharge	O - OTHER	
			End Cap	PC - PRE-STRESSED CONCRETE	
			SSSI Area	PF - PITCH FIBRE	
			Access Right	PP - POLY PROPYLENE	
			Pre-1937 Properties	PSC - PLASTIC STEEL COMPOSITE	
				PVC - POLY VINYL CHLORIDE	
				RPM - REINFORCED PLASTIC MATRIX	
				SI - SPUN IRON	
				SST - STAINLESS STEEL	
				ST - STEEL	
				UPVC - UNPLASTICISED PVC	

N W E S

SEVERN TRENT WATER

Severn Trent Water Limited
Asset Data Management
PO Box 5344
Coventry
CV3 9FT
Telephone: 0845 601 6616

WATER MAINS RECORD

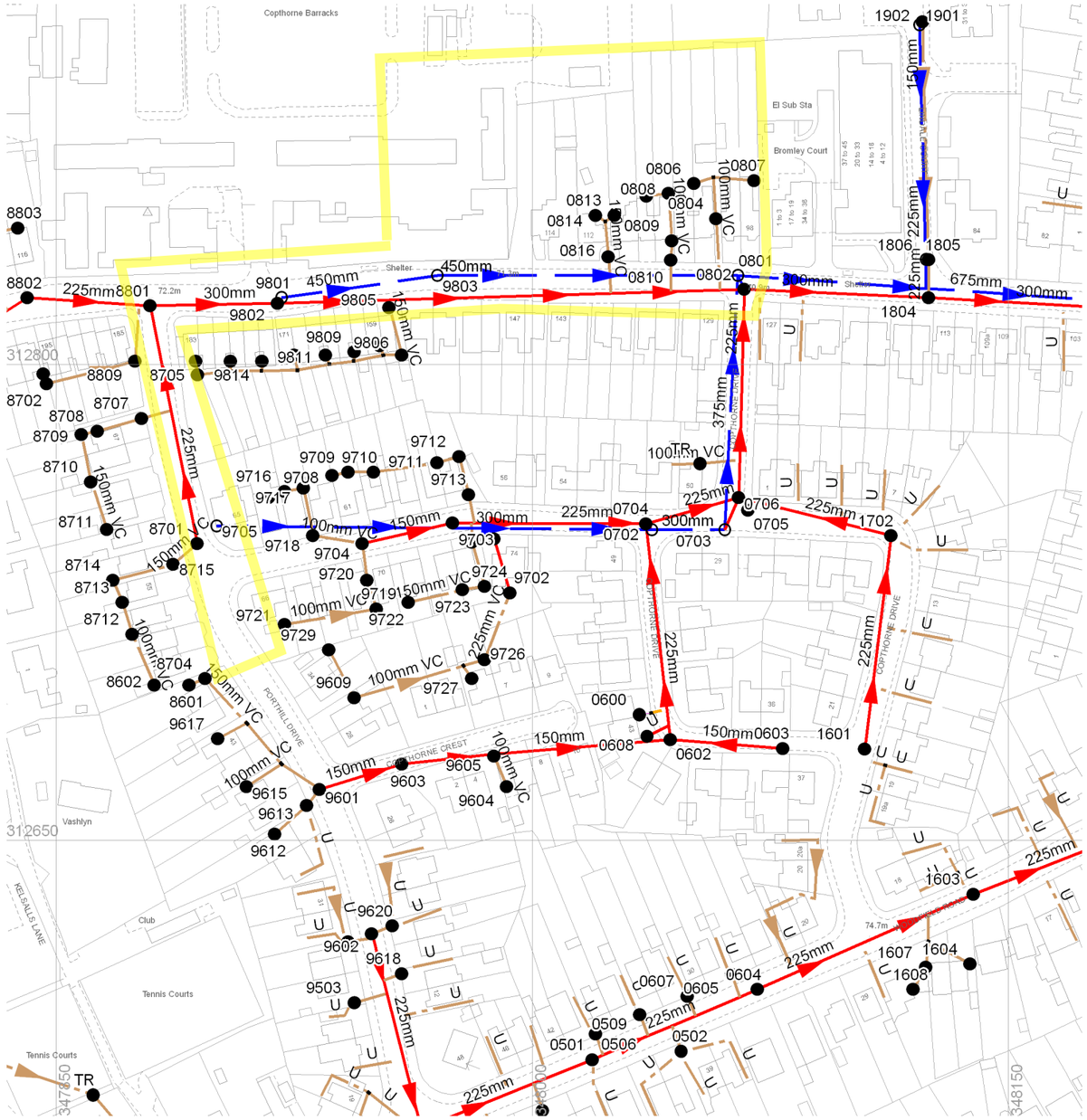
O/S Map scale: 1:1750

Date of issue: 04.01.17

This map is centred upon:
O / S Grid reference:

x : 348003

y : 312738



Sewer Node / Sewer Pipe Data

REFERENCE	COVER LEVEL	INV LEVEL UPSTR	INV LEVEL DOWNSTR	PURP	MATL	SHAPE	MAX SIZE	MIN SIZE	GRADIENT	YEAR LAID
SJ47128601	75.72	74.95	74.87	F	VC	C	100	nil	67.38	nill
SJ47128602	76.70	76.12	nil	F	VC	C	100	nil	0.00	nill
SJ47128701	74.10	72.28	70.70	C	nil	C	225	nil	48.40	nill
SJ47128702	73.94	73.17	nil	F	VC	C	150	nil	0.00	nill
SJ47128703	73.94	73.35	73.29	F	VC	C	100	nil	52.67	nill
SJ47128704	75.74	74.84	nil	F	VC	C	150	nil	0.00	nill
SJ47128705	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ47128707	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ47128708	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ47128709	73.01	72.14	nil	F	VC	C	150	nil	0.00	nill
SJ47128710	nil	nil	72.16	F	nil	nil	nil	nil	0.00	nill
SJ47128711	74.87	74.26	nil	F	VC	C	150	nil	0.00	nill
SJ47128712	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ47128713	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ47128714	nil	nil	73.82	F	nil	nil	nil	nil	0.00	nill
SJ47128715	74.73	73.79	72.34	F	VC	C	150	nil	6.84	nill
SJ47128801	72.25	70.62	nil	C	nil	C	300	nil	0.00	nill
SJ47128802	72.81	70.89	70.63	C	nil	C	225	nil	148.77	nill
SJ47128803	73.26	72.96	nil	F	PVC	C	100	nil	0.00	nill
SJ47128809	nil	nil	nil	F	VC	C	150	nil	0.00	nill
SJ47128810	72.60	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ47129503	76.03	75.12	nil	F	VC	C	100	nil	0.00	nill
SJ47129601	75.62	73.52	72.92	C	nil	C	150	nil	45.33	nill
SJ47129602	75.96	74.49	73.88	C	nil	C	225	nil	103.97	nill
SJ47129603	74.47	72.90	70.02	C	nil	C	150	nil	29.20	nill
SJ47129604	72.96	72.60	nil	F	VC	C	100	nil	0.00	nill
SJ47129605	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ47129609	75.25	74.23	nil	F	VC	C	100	nil	0.00	nill
SJ47129611	76.14	74.87	nil	F	VC	C	100	nil	0.00	nill
SJ47129612	75.84	75.12	nil	F	VC	C	100	nil	0.00	nill
SJ47129613	nil	nil	73.87	F	nil	nil	nil	nil	0.00	nill
SJ47129615	75.74	75.00	nil	F	VC	C	100	nil	0.00	nill
SJ47129617	75.68	75.23	nil	F	VC	C	100	nil	0.00	nill
SJ47129618	76.09	75.29	nil	F	VC	C	100	nil	0.00	nill
SJ47129620	76.15	74.82	75.45	F	VC	C	100	nil	0.00	nill
SJ47129701	70.32	69.74	nil	C	nil	C	225	nil	0.00	nill
SJ47129702	70.44	69.93	69.74	C	nil	C	225	nil	88.60	nill
SJ47129703	70.55	69.97	69.00	C	nil	C	225	nil	62.68	nill
SJ47129704	72.69	70.98	69.99	C	nil	C	150	nil	29.53	nill
SJ47129705	70.06	68.68	68.42	S	nil	C	300	nil	527.73	nill
SJ47129708	71.91	71.05	nil	F	VC	C	150	nil	0.00	nill
SJ47129709	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ47129710	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ47129711	nil	nil	70.13	F	nil	nil	nil	nil	0.00	nill

- Abandoned Gravity Sewer
- Private Combined Gravity Sewer
- Private Foul Gravity Sewer
- Private Surface Water Gravity Sewer
- Public Combined Gravity Sewer
- Public Foul Gravity Sewer
- Public Surface Water Gravity Sewer
- Trunk Combined Gravity Sewer
- Trunk Foul Use Gravity Sewer
- Trunk Surface Water Gravity Sewer
- Combined Use Pressurised Sewer
- Foul Use Pressurised Sewer
- Surface Water Pressurised Sewer
- Highway Drain
- Combined Lateral Drain (SS)
- Foul Lateral Drain (SS)
- Surface Water Lateral Drain (SS)

All Private Sewers are shown in magenta
All section 104 sewers are shown in green
All Sewers that have been transferred to Severn Trent Water after the 1st October 2011, but have not been surveyed and confirmed by Severn Trent Water are shown in orange

- Culverted Watercourse
- Cable, Earthing
- Cable Junction
- Cable, Optical Fibre/Instrumentation
- Cable, Low Voltage
- Cable, High Voltage
- Cable, Other
- Housing, Building
- Housing, Kiosk
- Disposal Site
- Sewage Treatment Works
- Housing, Other
- Pipe Support Structure
- Sewage Pumping Facility
- Sewer Facility Connection Inlet / Outlet

- Blind Shaft
- Combined Use Manhole
- Flushing Chamber
- Foul Use Manhole
- Grease Trap
- Head Node
- Hydrobrake
- Lamphole
- Outfall
- Overflow
- Penstock
- Petrol Interceptor

- Sewer Chemical Injection Point
- Sewer Junction
- Sewerage Air Valve
- Sewerage Hatch Box Point
- Sewerage Isolation Valve
- Soakaway
- Surface Water Manhole
- Vent Column
- Waste Water Storage
- Pre-1937 Properties

TABULAR KEY

A. Sewer pipe data refers to downstream sewer pipe.
B. Where the node bifurcates (splits) X and Y indicates downstream sewer pipe.
C. Gradient is stated a 1 in...

MATERIALS

- - NONE
AC - ASBESTOS CEMENT
BR - BRICK
CC - CONCRETE BOX CULVERT
CI - CAST IRON
CO - CONCRETE
CSB - CONCRETE SEGMENTS (BOLTED)
CSU - CONCRETE SEGMENTS (UNBOLTED)
DI - DUCTILE IRON
GRC - GLASS REINFORCED CONCRETE
GRP - GLASS REINFORCED PLASTIC
MAC - MASONRY IN REGULAR COURSES
MAR - MASONRY RANDOMLY COURSED
PE - POLYETHLENE
PF - PITCH
PP - POLYPROPYLENE
PSC - PLASTIC STEEL COMPOSITE
PVC - POLYVINYL CHLORIDE
RPM - REINFORCED PLASTIC MATRIX
SI - SPUN (GREY) IRON
ST - STEEL
U - UNKNOWN
VC - VITRIFIED CLAY
XXX - OTHER

SHAPE

C - CIRCULAR
E - EGG SHAPED
O - OTHER
R - RECTANGLE
S - SQUARE
T - TRAPEZOIDAL
U - UNKNOWN

PURPOSE

C - COMBINED
E - FINAL EFFLUENT
F - FOUL
L - SLUDGE
S - SURFACE WATER

CATEGORIES

N
W E
S

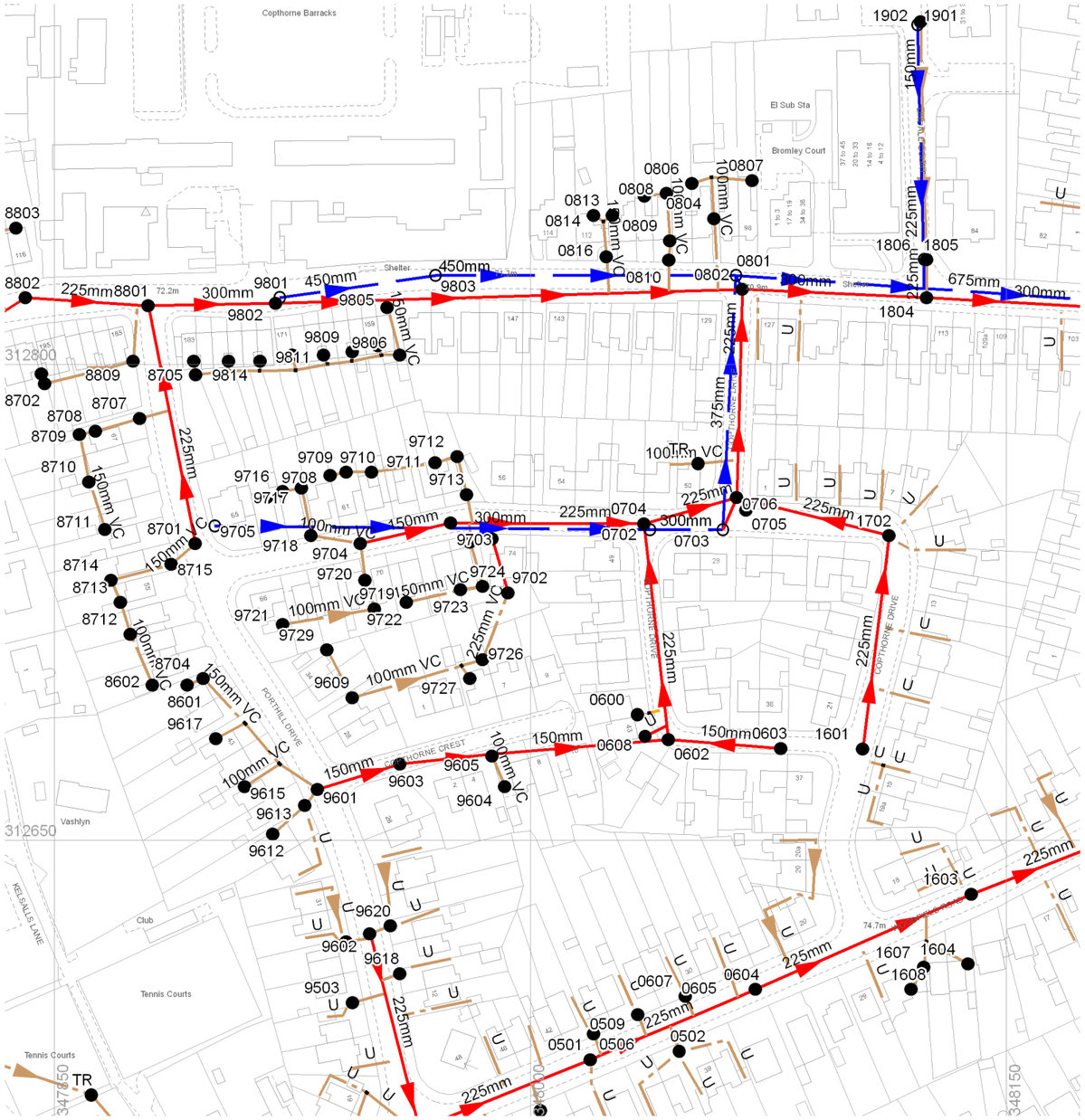
W - WEIR
C - CASCADE
DB - DAMBOARD
SE - SIDE ENTRY
FV - FLAP VALVE
BD - BACK DROP
S - SIPHON
HD - HIGHWAY DRAIN
S104 - SECTION 104

SEVERN TRENT WATER

Severn Trent Water Limited
Asset Data Management
PO Box 5344
Coventry
CV3 9FT
Telephone: 0845 601 6616

SEWER RECORD (Tabular)

O/S Map scale:	1:1750	**This map is centred upon: O / S Grid reference:**	
Date of issue:	04.01.17	**x :**	348003
Sheet No.	1 of 3	**y :**	312738



Sewer Node / Sewer Pipe Data

REFERENCE	COVER LEVEL	INV LEVEL UPSTR	INV LEVEL DOWNSTR	PURP	MATL	SHAPE	MAX SIZE	MIN SIZE	GRADIENT	YEAR LAID
SJ47129712	70.52	70.09	nil	F	VC	C	150	nil	0.00	nill
SJ47129713	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ47129715	73.47	72.73	nil	F	VC	C	100	nil	0.00	nill
SJ47129716	nil	nil	72.01	F	nil	nil	nil	nil	0.00	nill
SJ47129717	72.94	71.99	71.72	F	VC	C	100	nil	56.67	nill
SJ47129718	72.93	71.68	71.31	F	VC	C	100	nil	42.43	nill
SJ47129719	nil	nil	nil	F	VC	C	150	nil	0.00	nill
SJ47129720	nil	nil	71.30	F	nil	nil	nil	nil	0.00	nill
SJ47129721	nil	nil	nil	F	VC	C	100	nil	0.00	nill
SJ47129722	72.10	71.12	nil	F	VC	C	150	nil	0.00	nill
SJ47129723	nil	nil	69.84	F	nil	nil	nil	nil	0.00	nill
SJ47129724	70.49	69.83	nil	F	VC	C	150	nil	0.00	nill
SJ47129725	nil	nil	nil	F	VC	C	150	nil	0.00	nill
SJ47129726	72.59	70.84	69.93	F	VC	C	225	nil	24.69	nill
SJ47129727	72.75	71.96	nil	F	VC	C	100	nil	0.00	nill
SJ47129729	75.17	74.77	74.31	F	VC	C	100	nil	36.96	nill
SJ47129801	71.96	69.46	69.28	S	nil	C	450	nil	291.18	nill
SJ47129802	nil	nil	68.26	C	nil	nil	nil	nil	0.00	nill
SJ47129803	71.06	69.28	67.42	S	nil	C	450	nil	50.91	nill
SJ47129805	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ47129806	71.64	69.64	nil	F	VC	C	150	nil	0.00	nill
SJ47129807	71.81	70.62	nil	F	VC	C	100	nil	0.00	nill
SJ47129809	71.75	71.08	nil	F	VC	C	100	nil	0.00	nill
SJ47129811	72.03	71.47	nil	F	VC	C	100	nil	0.00	nill
SJ47129813	72.12	71.52	nil	F	VC	C	100	nil	0.00	nill
SJ47129814	72.62	71.95	nil	F	VC	C	100	nil	0.00	nill
SJ47129815	72.70	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ48120501	76.45	73.25	72.63	C	nil	C	225	nil	92.77	nill
SJ48120502	76.69	76.02	nil	F	VC	C	100	nil	0.00	nill
SJ48120504	76.29	75.44	nil	F	VC	C	100	nil	0.00	nill
SJ48120506	76.57	75.65	nil	F	VC	C	100	nil	0.00	nill
SJ48120509	76.66	76.09	nil	F	VC	C	100	nil	0.00	nill
SJ48120600	nil	nil	nil	C	VC	C	150	nil	0.00	nill
SJ48120602	70.80	69.93	69.01	C	nil	C	225	nil	74.39	nill
SJ48120603	71.26	70.60	69.93	C	nil	C	150	nil	53.43	nill
SJ48120604	76.11	72.60	70.23	C	nil	C	225	nil	31.36	nill
SJ48120605	76.37	75.36	nil	F	VC	C	100	nil	0.00	nill
SJ48120607	76.58	75.84	nil	F	VC	C	100	nil	0.00	nill
SJ48120608	nil	nil	nil	C	U	C	nil	nil	0.00	nill
SJ48120702	70.18	68.38	68.08	S	nil	C	300	nil	76.33	nill
SJ48120703	70.24	68.04	67.41	S	nil	C	375	nil	127.46	nill
SJ48120704	70.16	69.44	69.35	C	nil	C	150	nil	30.67	nill
SJ48120704	70.16	69.44	69.35	C	nil	C	150	nil	30.67	nill
SJ48120704	70.16	68.99	68.75	C	nil	C	225	nil	126.38	nill

- Abandoned Gravity Sewer
- Private Combined Gravity Sewer
- Private Foul Gravity Sewer
- Private Surface Water Gravity Sewer
- Public Combined Gravity Sewer
- Public Foul Gravity Sewer
- Public Surface Water Gravity Sewer
- Trunk Combined Gravity Sewer
- Trunk Foul Use Gravity Sewer
- Trunk Surface Water Gravity Sewer
- Combined Use Pressurised Sewer
- Foul Use Pressurised Sewer
- Surface Water Pressurised Sewer
- Highway Drain
- Combined Lateral Drain (SS)
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- Surface Water Lateral Drain (SS)

All Private Sewers are shown in magenta
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- Culverted Watercourse
- Cable, Earthing
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- Cable, Optical Fibre/Instrumentation
- Cable, Low Voltage
- Cable, High Voltage
- Cable, Other
- Housing, Building
- Housing, Kiosk
- Disposal Site
- Sewage Treatment Works
- Housing, Other
- Pipe Support Structure
- Sewage Pumping Facility
- Sewer Facility Connection Inlet / Outlet

- Blind Shaft
- Combined Use Manhole
- Flushing Chamber
- Foul Use Manhole
- Grease Trap
- Head Node
- Hydrobrake
- Lamphole
- Outfall
- Overflow
- Penstock
- Petrol Interceptor

- Sewer Chemical Injection Point
- Sewer Junction
- Sewerage Air Valve
- Sewerage Hatch Box Point
- Sewerage Isolation Valve
- Soakaway
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- Vent Column
- Waste Water Storage
- Pre-1937 Properties

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B. Where the node bifurcates (splits) X and Y indicates downstream sewer pipe.
C. Gradient is stated a 1 in...

MATERIALS

- - NONE
AC - ASBESTOS CEMENT
BR - BRICK
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CI - CAST IRON
CO - CONCRETE
CSB - CONCRETE SEGMENTS (BOLTED)
CSU - CONCRETE SEGMENTS (UNBOLTED)
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GRC - GLASS REINFORCED CONCRETE
GRP - GLASS REINFORCED PLASTIC
MAC - MASONRY IN REGULAR COURSES
MAR - MASONRY RANDOMLY COURSED
PE - POLYETHLENE
PF - PITCH
PP - POLYPROPYLENE
PSC - PLASTIC STEEL COMPOSITE
PVC - POLYVINYL CHLORIDE
RPM - REINFORCED PLASTIC MATRIX
SI - SPUN (GREY) IRON
ST - STEEL
U - UNKNOWN
VC - VITRIFIED CLAY
XXX - OTHER

SHAPE

C - CIRCULAR
E - EGG SHAPED
O - OTHER
R - RECTANGLE
S - SQUARE
T - TRAPEZOIDAL
U - UNKNOWN

PURPOSE

C - COMBINED
E - FINAL EFFLUENT
F - FOUL
L - SLUDGE
S - SURFACE WATER

CATEGORIES

N
W E
S

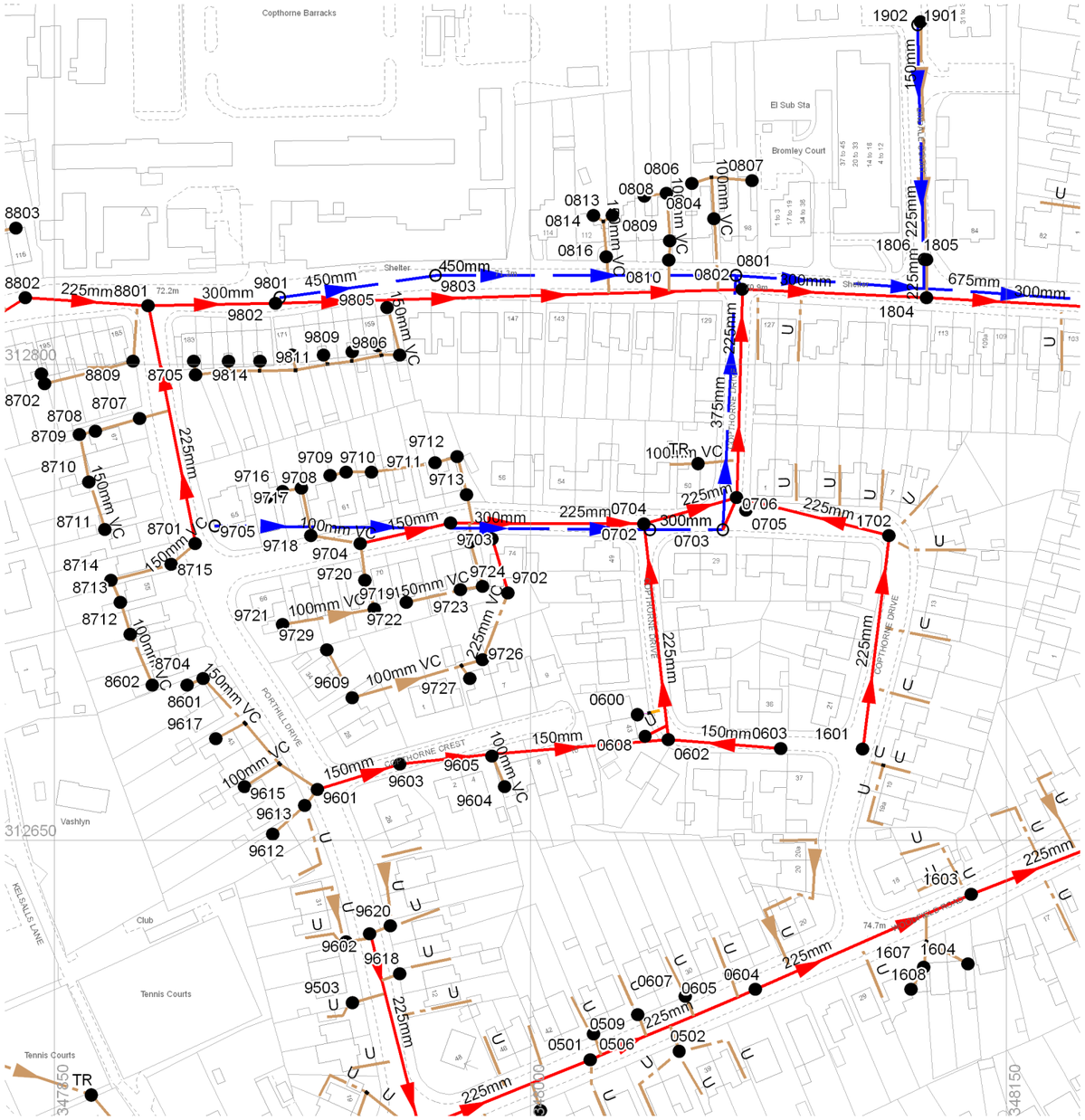
W - WEIR
C - CASCADE
DB - DAMBOARD
SE - SIDE ENTRY
FV - FLAP VALVE
BD - BACK DROP
S - SIPHON
HD - HIGHWAY DRAIN
S104 - SECTION 104

SEVERN TRENT WATER

Severn Trent Water Limited
Asset Data Management
PO Box 5344
Coventry
CV3 9FT
Telephone: 0845 601 6616

SEWER RECORD (Tabular)

O/S Map scale:	1:1750	**This map is centred upon:**	
Date of issue:	04.01.17	**O / S Grid reference:**	
Sheet No.	2 of 3	**x :**	348003
		y :	312738



Sewer Node

Sewer Pipe Data

REFERENCE	COVER LEVEL	INV LEVEL UPSTR	INV LEVEL DOWNSTR	PURP	MATL	SHAPE	MAX SIZE	MIN SIZE	GRADIENT	YEAR LAID
SJ48120706	70.37	69.01	68.05	C	nil	C	300	nil	11.57	nill
SJ48120706	70.37	68.74	68.35	C	nil	C	225	nil	168.54	nill
SJ48120801	70.83	67.24	66.82	S	nil	C	675	nil	277.55	nill
SJ48120802	70.84	68.57	68.57	S	nil	C	300	nil	0.00	nill
SJ48120802	70.84	68.26	68.15	C	nil	C	300	nil	528.73	nill
SJ48120804	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ48120806	71.57	70.89	70.72	F	VC	C	100	nil	37.18	nill
SJ48120807	71.61	70.84	71.34	F	VC	C	100	nil	0.00	nill
SJ48120808	71.56	70.81	nil	F	VC	C	100	nil	0.00	nill
SJ48120809	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ48120810	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ48120812	71.56	70.98	70.83	F	VC	C	100	nil	47.13	nill
SJ48120813	71.82	70.72	70.67	F	VC	C	150	nil	72.20	nill
SJ48120814	71.71	71.11	70.77	F	VC	C	100	nil	10.62	nill
SJ48120816	nil	nil	nil	F	nil	nil	nil	nil	0.00	nill
SJ48121601	71.41	69.73	69.01	C	nil	C	225	nil	94.03	nill
SJ48121603	73.42	70.21	68.28	C	nil	C	225	nil	28.20	nill
SJ48121604	74.83	74.23	nil	F	VC	C	100	nil	0.00	nill
SJ48121607	nil	nil	nil	F	VC	C	100	nil	0.00	nill
SJ48121608	74.33	73.73	nil	F	VC	C	100	nil	0.00	nill
SJ48121702	70.00	68.98	68.75	C	nil	C	225	nil	215.13	nill
SJ48121804	70.80	68.15	67.95	C	nil	C	300	nil	275.40	nill
SJ48121805	71.14	68.51	68.36	F	nil	C	225	nil	80.00	nill
SJ48121806	71.19	68.73	nil	S	nil	C	225	nil	0.00	nill
SJ48121901	71.31	69.67	68.71	S	nil	C	225	nil	77.11	nill
SJ48121902	71.31	69.60	68.51	F	nil	C	150	nil	68.83	nill
nil	nil	nil	nil	F	VC	nil	nil	nil	0.00	nill
nil	nil	nil	nil	F	VC	nil	nil	nil	0.00	nill

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Date of issue:	04.01.17	**O / S Grid reference:**	
Sheet No.	3 of 3	**x :**	348003
		y :	312738

SEVERN TRENT WATER

GENERAL CONDITIONS AND PRECAUTIONS TO BE TAKEN WHEN CARRYING OUT WORK ADJACENT TO SEVERN TRENT WATER'S APPARATUS

Please ensure that a copy of these conditions is passed to your representative and/or your Contractor on site. If any damage is caused to STW apparatus, the person, Contractor or Subcontractor responsible must inform STW immediately on:

0800 783 4444 (24 hours)

These general conditions and precautions apply to the public sewerage, water distribution and telemetry systems. The conditions include sewers which are the subject of an Agreement under Section 104 of the Water Industry Act 1991 and mains installed in accordance with the Agreement for the self construction of water mains. Please be aware that due to The Private Sewers Transfer Regulations June 2011, the number of public sewers has increased, but many of these are not shown on the public sewer record. However, some idea of their positions may be obtained from the position of inspection covers and their existence must be anticipated.

On request, STW will issue a copy of the plan showing the approximate locations of STW apparatus although in certain instances a charge will be made. The position of private drains, private sewers and water service pipes to properties are not normally shown but their presence must be anticipated. This plan is furnished as a general guide only and no warranty as to its accuracy is given or implied. The plan must not be relied upon in the event of excavations or other works in the vicinity of STW apparatus. No person or Company shall be relieved from liability for damage caused by reason of the actual position and/or depths of STW apparatus being different from those shown on the plan.

In order to achieve safe working conditions adjacent to any apparatus the following should be observed:

1. All STW apparatus should be located by hand digging prior to the use of mechanical excavators.

2. All information set out in any plans received from us, or given by our staff at the site of the works, about the position and depth of the mains, is approximate. Every possible precaution should be taken to avoid damage to our apparatus. You or your contractor must ensure the safety of our equipment and will be responsible for the cost of repairing any damage caused.

3. Water mains are normally laid at a depth of 900mm. No records are kept of customer service pipes which are normally laid at a depth of 750mm; but some idea of their positions may be obtained from the position of stop tap covers and their existence must be anticipated.

4. During construction work, where heavy plant will cross the line of STW apparatus, specific crossing points must be agreed with the Company and suitably reinforced where required. These crossing points should be clearly marked and crossing of the line of STW apparatus at other locations must be prevented.

5. Where it is proposed to carry out piling or boring within 20 metres of any STW apparatus, STW should be consulted to enable any affected STW apparatus to be surveyed prior to the works commencing.

6. Where excavation of trenches adjacent to any STW apparatus affects its support, the STW apparatus must be supported to the satisfaction of STW. Water mains and some sewers are pressurised and can fail if excavation removes support to thrust blocks to bends and other fittings.

7. Where a trench is excavated crossing or parallel to the line of any STW apparatus, the backfill should be adequately compacted to prevent any settlement which could subsequently cause

damage to the STW apparatus. In special cases, it may be necessary to provide permanent support to STW apparatus which has been exposed over a length of the excavation before backfilling and reinstatement is carried out. There should be no concrete backfill in contact with the STW apparatus.

8. No apparatus should be laid along the line of STW apparatus irrespective of clearance. Above ground apparatus must not be located within a minimum of 3 metres either side of the centre line of STW apparatus for smaller sized pipes and 6 metres either side for larger sized pipes without prior approval. No manhole or chamber shall be built over or around any STW apparatus.

9. A minimum radial clearance of 300 millimetres should be allowed between any plant being installed and existing STW apparatus. - We reserve the right to increase this distance where strategic assets are affected.

10. Where any STW apparatus coated with a special wrapping is damaged, even to a minor extent, STW must be notified and the trench left open until the damage has been inspected and the necessary repairs have been carried out. In the case of any material damage to any STW apparatus causing leakage, weakening of the mechanical strength of the pipe or corrosion-protection damage, the necessary remedial work will be recharged.

11. It may be necessary to adjust the finished level of any surface boxes which may fall within your proposed construction. Please ensure that these are not damaged, buried or otherwise rendered inaccessible as a result of the works and that all stop taps, valves, hydrants, etc. remain accessible and operable. Minor reduction in existing levels may result in conflict with apparatus such as valve spindles or tops of hydrants housed under the surface boxes. Checks should be made during site investigations to ascertain the level of such apparatus in order to determine any necessary alterations in advance of the works.

12. With regard to any proposed resurfacing works, you are required to contact STW on the number given above to arrange a site inspection to establish the condition of any STW apparatus in the nature of surface boxes or manhole covers and frames affected by the works. STW will then advise on any measures to be taken, in the event of this a proportionate charge will be made.

13. You are advised that Severn Trent Water Limited will not agree to either the erection of posts, directly over or within 1.0 metre of valves and hydrants,

14. No explosives are to be used in the vicinity of any STW apparatus without prior consultation with STW.

TREE PLANTING RESTRICTIONS

There are many problems with the location of trees adjacent to sewers, water mains and other STW apparatus and these can lead to the loss of trees and hence amenity to the area which many people may have become used to. It is best if the problem is not created in the first place. Set out below are the recommendations for tree planting in close proximity to public sewers, water mains and other STW apparatus.

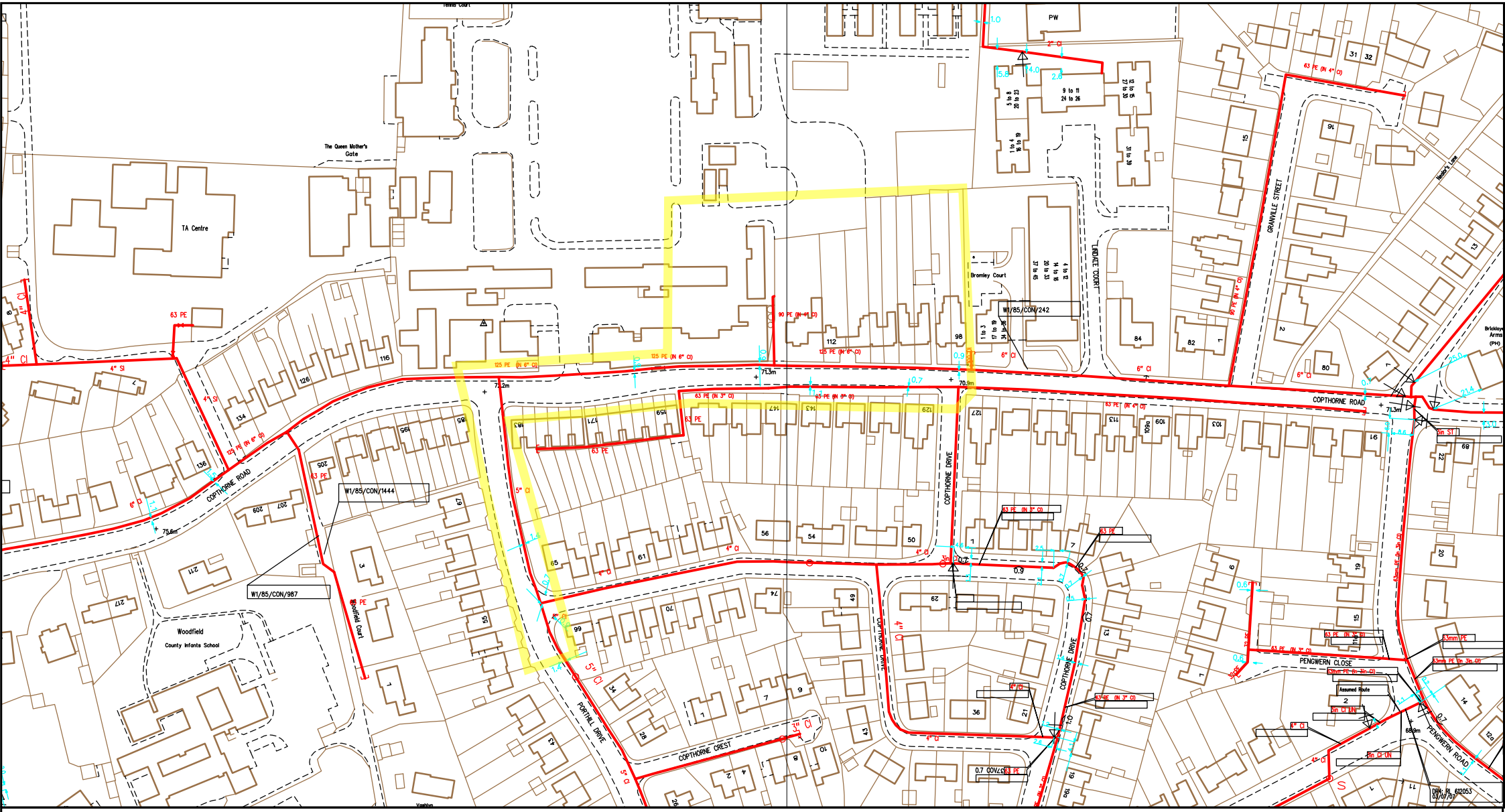
15. Please ensure that, in relation to STW apparatus, the mature root systems and canopies of any tree planted do not and will not encroach within the recommended distances specified in the notes below.

16. Both Poplar and Willow trees have extensive root systems and should not be planted within 12 metres of a sewer, water main or other STW apparatus.

17. The following trees and those of similar size, be they deciduous or evergreen, should not be planted within 6 metres of a sewer, water main or other STW apparatus. E.g. Ash, Beech, Birch, most Conifers, Elm, Horse Chestnut, Lime, Oak, Sycamore, Apple and Pear.

18. STW personnel require a clear path to conduct surveys etc. No shrubs or bushes should be planted within 2 metre of the centre line of a sewer, water main or other STW apparatus.

19. In certain circumstances, both the Company and landowners may wish to plant shrubs/bushes in close proximity to a sewer, water main of other STW apparatus for screening purposes. The following are shallow rooting and are suitable for this purpose: Blackthorn, Broom, Cotoneaster, Elder, Hazel, Laurel, Privet, Quickthorn, Snowberry, and most ornamental flowering shrubs.



SCALE: Not to scale	LP MAINS
USER ID: alex.revell	MP MAINS
DATE: 03/01/2017	IP MAINS
EXTRACT DATE: 24/08/2016	LHP MAINS
MAP REF: SJ4712	NHP MAINS
CENTRE: 347986, 312816	

Some examples of Plant Items:

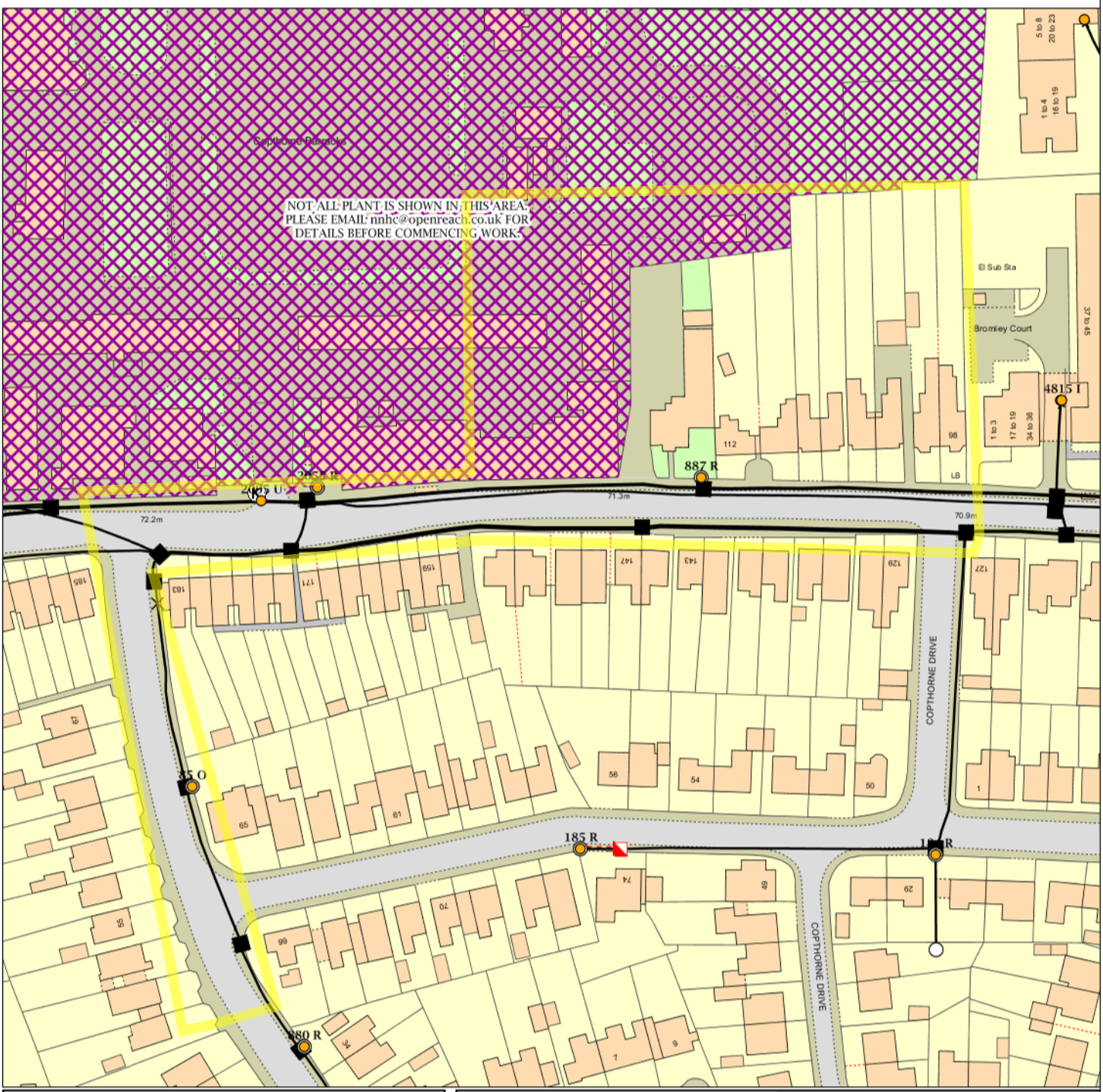
Valve | Depth of Cover | Syphon | Diameter Change | Material Change | Out of Standard Service

This plan shows those pipes owned by National Grid Gas 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 National Grid Gas 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. Further information on all DR4s can be determined by calling the DR4 hotline on 01455 892426 (9am-5pm) A DR4 is where a potential error has been identified within the asset record and a process is currently underway to investigate and resolve the error as appropriate.

MAPS Viewer Version 5.7.0.0

Local Machine

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.

openreach BT

CLICK BEFORE YOU DIG

FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE

email cbyd@openreach.co.uk

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

KEY TO BT SYMBOLS

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

openreach
a BT Group business

BT Ref : NUB11338U
Map Reference : (centre) SJ4797712817
Easting/Northing : (centre) 347977,3128
Issued : 03/01/2017 11:33:35

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

Alex Revell

From: plantenquiryservice@gtc-uk.co.uk
Sent: 03 January 2017 15:45
To: Alex Revell
Subject: GTC Plant Enquiry - Ref- 353125
Attachments: 353125.png

GTC Apparatus Not Found In Search Area

Our Plant Enquiry Service Ref: 353125
Your Enquiry Ref: N/A

Dear Alex,

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:

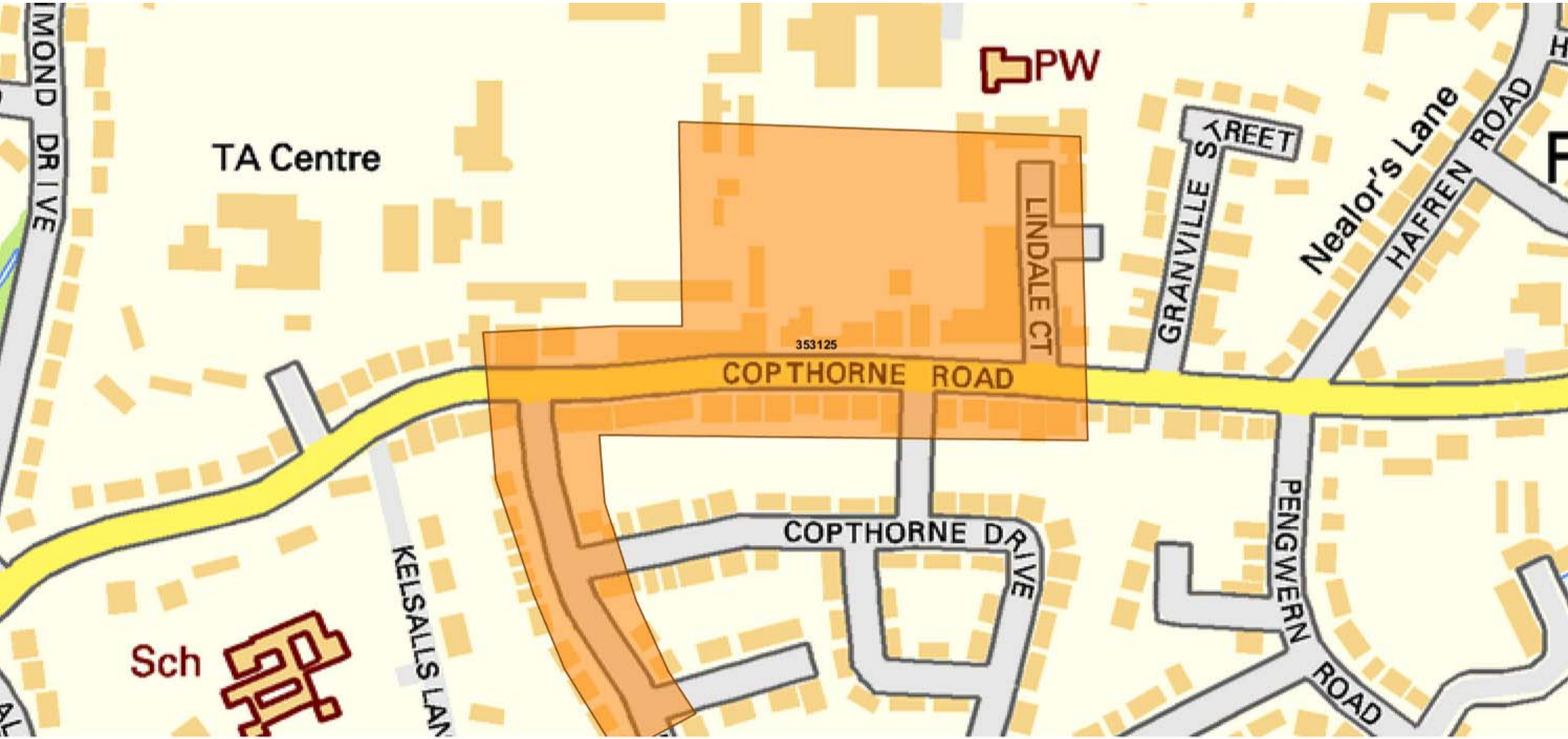
- GTC Pipelines Limited
- Independent Pipelines Limited
- Quadrant Pipelines Limited
- Electricity Network Company Limited
- Independent Power Networks Limited
- Independent Water Networks Limited
- Independent Fibre Networks Limited
- Independent Community Heating Limited

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

Your sincerely,

GTC Plant Enquiry Service.

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



GTC Plant Enquiry. Our Ref 353125, Your Ref N/A generated for alex.revell@premierenergy.co.uk at 03/01/2017 15:44:43. This map shows the search area of your enquiry.

Alex Revell

From: Plant Enquiries <plantenquiries@energetics-uk.com>
Sent: 05 January 2017 13:48
To: Alex Revell
Subject: RE: Plant Enquiry - 98 Copthorne Road, Shrewsbury

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.

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

Regards

Plant Enquiries

T: 01698 404949
E: plantenquiries@energetics-uk.com
W: www.energetics-uk.com

energetics

International House, Stanley Boulevard, Hamilton International Technology Park, Glasgow. G

From: [mailto:alex.revell@premierenergy.co.uk]
Sent: 03 January 2017 15:29
To: Plant Enquiries
Subject: Plant Enquiry - 98 Copthorne Road, Shrewsbury

Dear Plant Enquiries,

Please search the following location for your plant:

98 Copthorne Road, Shrewsbury, Shropshire, SY3 8NA.

[347898,312880]

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

Enquiry Confirmation

LSBUD Ref: 9647586

Date of enquiry: 03/01/2017
Time of enquiry: 11:51

Enquirer

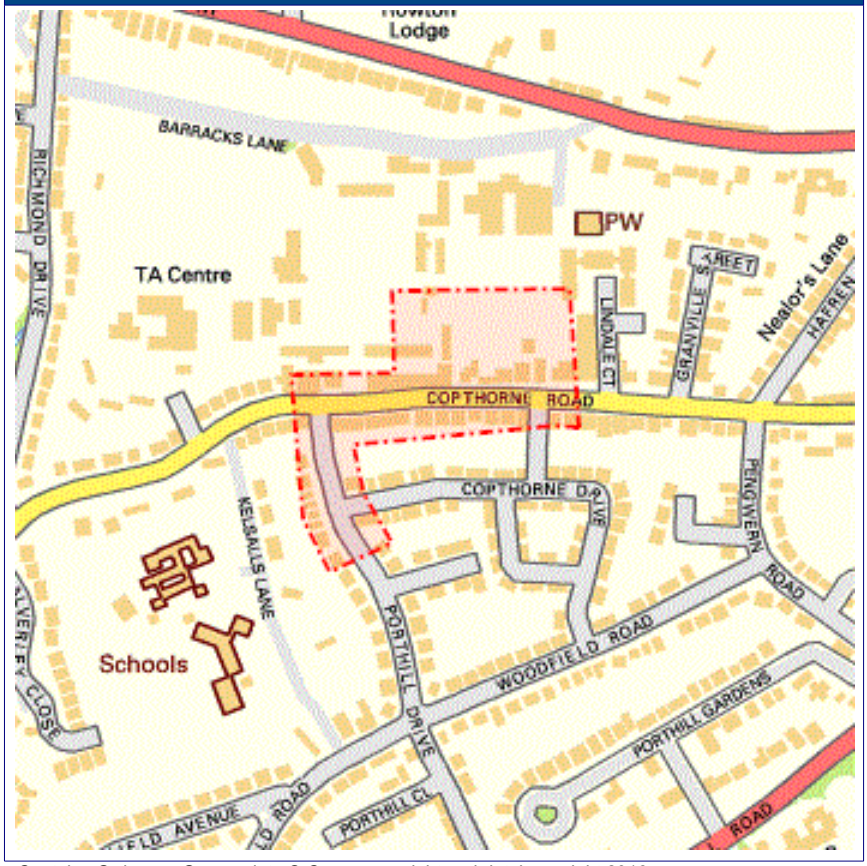
Name	Mr Alex Revell	Phone	01403740250
Company	Premier Energy	Mobile	Not Supplied
		Fax	01403740250
Address	Premier House Daux Road Billingshurst West Sussex RH14 9SJ		
Email	alex.revell@premierenergy.co.uk		
Notes	Please ensure your contact details are correct and up to date on the system in case the LSBUD Members need to contact you.		

Enquiry Details

Scheme/Reference	98 Copthorne Road, Shrewsbury		
Enquiry type	Initial Enquiry	Work category	Development Projects
Start date	26/01/2017	Work type	Commercial/industrial
End date	26/01/2017	Site size	28154 metres square
Searched location	XY= 347977, 312817 Easting/Northing	Work type buffer*	25 metres
Confirmed location	347925 312797		

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

Site Map



V3.3.2

Enquiry Confirmation

LSBUD Ref: 9647586

Date of enquiry: 03/01/2017
Time of enquiry: 11:51

Asset Owners

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

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

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

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

Below are three lists of asset owners:

1. LSBUD Members who have assets registered within your search area. ("Affected")
   a. These LSBUD Members will either:
      i. Ask for further information ("Email Additional Info" noted in status). The additional information includes: Site contact name and number, Location plan, Detailed plan (minimum scale 1:2500), Cross sectional drawings (if available), Work Specification.

      ii. Respond directly to you ("Await Response"). In this response they may either send plans directly to you or ask for further information before being able to do so, particularly if any payments or authorisations are required.

2. LSBUD Members who do not have assets registered within your search area. ("Not Affected")

3. Non LSBUD Members who may have assets within your search area. Please note that this list is not exhaustive and all details are provided as a guide only. It is your responsibility to identify and consult with all asset owners before proceeding.

National Grid. Please note that the LSBUD service only contains information on National Grid's Gas above 7 bar asset, all National Grid Electricity Transmission assets and National Grid's Gas Distribution Limited above 2 bar asset.

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

Enquiry Confirmation

LSBUD Ref: 9647586

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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			
Asset Owner	**Phone/Email**	**Emergency Only**	**Status**
Western Power Distribution	08000963080	08006783105	Await response

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

List of not affected LSBUD members		
AWE Pipeline	Esso Petroleum Company Limited	Perenco UK Limited (Purbeck Southampton Pipeline)
BOC Limited (A Member of the Linde Group)	Fulcrum Pipelines Limited	Petroineos
BP Midstream Pipelines	Gamma	Phillips 66
BPA	Gateshead Energy Company	Premier Transmission Ltd (SNIP)
Carrington Gas Pipeline	Humbly Grove Energy	Prysmian Cables & Systems Ltd (c/o Western Link)
CATS Pipeline c/o Wood Group PSN	IGas Energy	Redundant Pipelines - LPDA
Cemex	Ineos Enterprises Limited	RWEnpower (Little Barford and South Haven)
Centrica Energy	INEOS Manufacturing (Scotland and TSEP)	SABIC UK Petrochemicals
Centrica Storage Ltd	Intergen (Coryton Energy or Spalding Energy)	Scottish Power Generation
CLH Pipeline System Ltd	Lark Energy	Seabank Power Ltd
Concept Solutions People Ltd	Lightsource SPV Limited	Shell (St Fergus to Mossmorran)
ConocoPhillips (UK) Ltd	Mainline Pipelines Limited	Shell Pipelines
Dong Energy (UK) Ltd	Manchester Jetline Limited	Total (Finaline, Colnbrook & Colwick Pipelines)
E.ON UK CHP Limited	Manx Cable Company	Transmission Capital
EirGrid	Marchwood Power Ltd (Gas Pipeline)	Uniper UK Ltd
Electricity North West Limited	National Grid Gas (Above 7 bar), National Grid Gas Distribution Limited (Above 2 bar) and National Grid Electricity Transmission	Vattenfall
ENI & Himor c/o Penspen Ltd	Northumbrian Water Group	Wingas Storage UK Ltd
ESP Utilities Group	NPower CHP Pipelines	Zayo Group UK Ltd c/o JSM Group Ltd
ESSAR	Oikos Storage Limited	