

Wednesday, 18 Jan 2017
Underground Utilities Search Report for:
EDI Surveys Ltd.
Site Name : St Columba's Close,
Ref No 1 : 19791b
Ref No 2 :

Utility / Service	Attached	Comments
Gas	Yes	
Water	Yes	
Sewers	Yes	
BT	Yes	
Electricity	Yes	
Linesearch	Yes	
Vodafone	Not Requested	Formerly Cable & Wireless & Thus
Virgin Media	Not Requested	Formerly ntl & Telewest
BSkyB	Not Requested	Formerly Easynet
Vtesse	Not Requested	
Colt	Not Requested	
KPN	Not Requested	
Tata	Not Requested	
Sota	Not Requested	
CGI Logica	Not Requested	
Energetics	Not Requested	
City Fibre	Not Requested	
Telia Sonera	Not Requested	
Instalcom	Not Requested	Includes Level3, GC (UK) Ltd, GC PEC, Fibrenet UK Ltd and Fibrespan Ltd
KCom	Not Requested	Formerly Kingston Communications
Verizon	Not Requested	
Interoute	Not Requested	
Trafficmaster	Not Requested	
Independent Utilities	Not Requested	
Other	Not Requested	
Please note : All attached information that does not include plans applies to the grid references supplied and route between them if applicable only.		

91 Market Street Hoylake Wirral CH47 5AA
Tel. 0151 632 5142
Fax. 0870 762 6172
enquiries@cornerstoneprojects.co.uk
www.cornerstoneprojects.co.uk
VAT Reg. No. 851 4941 19
Company No. 5132353

Registered in England. Registered Address : Cornerstone Projects Ltd, 91 Market Street, Hoylake, Wirral CH47 5AA

AREA PLAN

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Notes

ALL DETAILS TO BE CHECKED AND APPROVED BY
SPECIALIST CONTRACTOR AND INSTALLED IN STRICT
ACCORDANCE WITH MANUFACTURERS DESIGN AND
SPECIFICATION

Date: Nov 16	Client: Gravesham Borough Council		
Drawn: KB	Project: St. Columba's Close		
Check:	Title: Phasing Plan		
Scale: 1:1000 @ A3	Dwgno: 16.022	SK 02	Revision:

bptwpartnership

110-114 Norman Road,
Greenwich, London SE10 9QJ
020 8293 5175 www.bptw.co.uk

GAS

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Our Ref: SO/0086190
Your Ref: 19791b St Columba's Close

Jake Hughes
Cornerstone Projects Ltd
PO Box 182
Hoylake
Wirral, CH29 9AU

SGN
SHE Administration Team
Plant Protection
95 Kilbirnie Street
Glasgow
G5 8JD
Phone: 0800 912 1722
Email: plantlocation@sgn.co.uk

Date: 18/01/2017

Dear Customer,

Enquiry at: St Columba's Close, Gravesend

Searches - Important information required

Thank you for contacting us about the above location. If your client plans to carry out any on site works they must contact us directly so that we can do a full safety and engineering risk assessment before any work begins.

Listed below is the minimum information we would need from your client:

- Full contact details (name, company name, address, telephone number and e-mail address).
- Full site address, post code and easting/northing grid reference.
- Plan showing the site boundary.
- Details of the work to be carried out.
- The proposed start date (please specify if work is at the planning stage).

Please send the information to:

plantlocation@sgn.co.uk

Alternatively post to: SGN, SHE Administration Team, Plant Protection, 95 Kilbirnie Street, Glasgow G5 8JD

Or, Fax: 0141 429 6432

Damage to our pipes can be extremely dangerous for your employees and the general public. The cost to repair our pipelines following direct or consequential damage will be charged to your organisation.

Please ensure we are able to gain access to our pipeline throughout the duration of your operations.

Smell gas?
Call 0800 111 999

SGN is a brand name of Scotia Gas Networks Limited
Registered in England & Wales No. 04958135
Registered Office: St Lawrence House | Station Approach | Horley | Surrey RH6 9HJ
Authorised and regulated by the Financial Conduct Authority



While the information we give and the location of our network assets is correct to the best of our knowledge its accuracy cannot be guaranteed. To confirm the location of our assets on the site, please contact us to arrange a site visit before the work begins.

If you require any further information please contact the number below.

Yours faithfully,

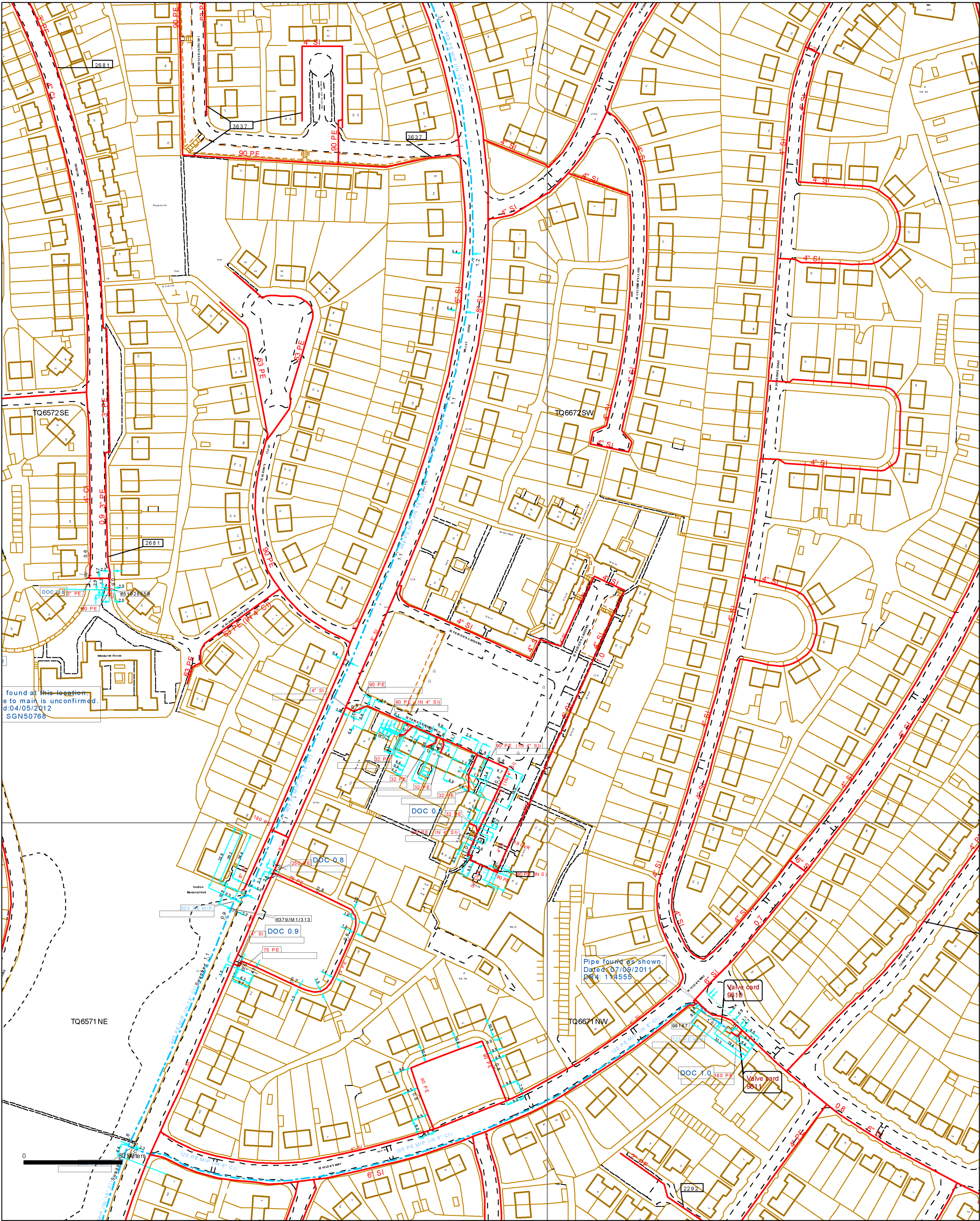
Lesley Phillips

Admin Assistant

0800 912 1722

Smell gas?
Call 0800 111 999

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Registered in England & Wales No. 04958135
Registered Office: St Lawrence House | Station Approach | Horley | Surrey RH6 9HJ
Authorised and regulated by the Financial Conduct Authority



SCALE 1: 1354	LP MAINS	—
USER ID: Ip54998	MP MAINS	- - -
DATE: 18/01/2017	IP MAINS	- . - .
INTERNAL USE ONLY	LHP MAINS	- . - . - .
GRID REFERENCE:	HISTORY DATA	—
E565971,N172108,TQ 65 72	LAs	—
	GTs	■
	SSSIs	■

Some examples of Plant items:

Valve Depth of Cover Syphon Diameter Change Material Change

This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Plant Protection Team on 08450703497 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. Safe digging practices, in accordance with HS (G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

INTRANET MAP VERSION 2.1

Kent County Area

This plan is reproduced from or based on the OS map by Scotia Gas Networks plc, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved.



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.

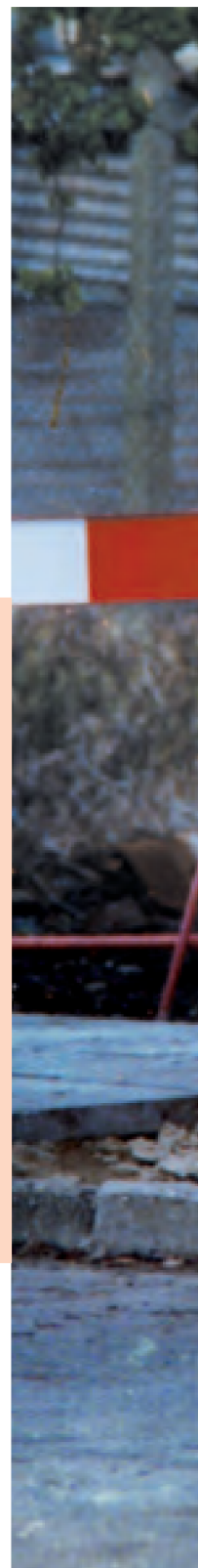
In an emergency

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

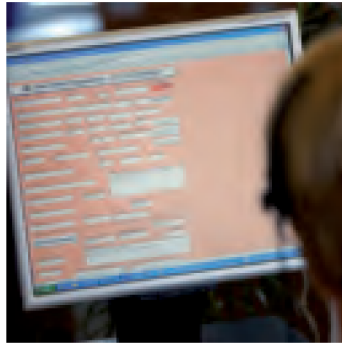
We may request the production of Risk Assessments and Method Statements for any works deemed to have the potential to affect, cause risk to or pose a hazard to the safety and/or integrity of our plant. Where CDM legislation applies reference MUST be made to our plant within the site 'Health and Safety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

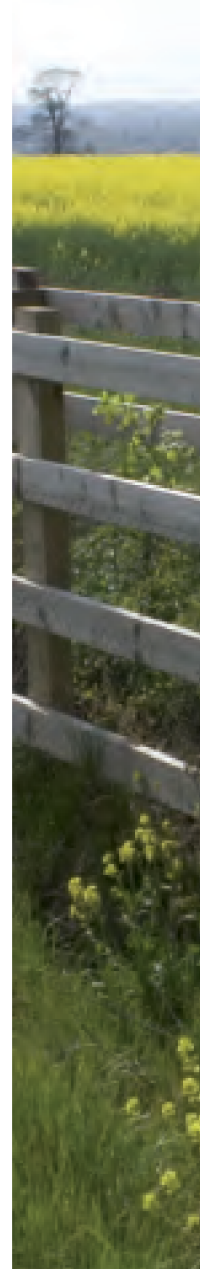
High pressures

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 pipe 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

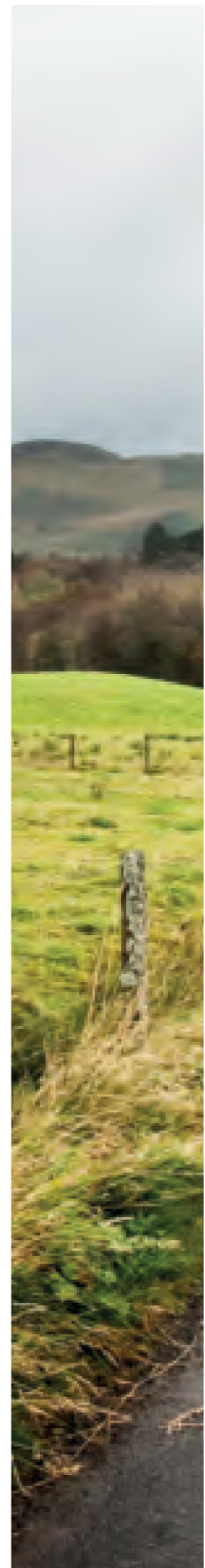
Concrete backfill should not be placed closer than 300mm to our plant. No concrete or hard material should be placed under or adjacent to any of our plant. Shuttering **MUST** be constructed so as to prevent fresh concrete encasing our plant and to maintain the stated clearances. Material used for the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







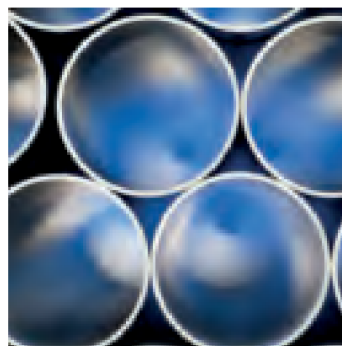
Tree planting

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.



The following trees and those of similar size, which may be deciduous or evergreen, shall not be planted within six metres of the centre line of the pipe e.g. Ash, Beech, Birch, most Conifers, Elm, Maple, Lime, Horse Chestnut, Oak, and Sycamore. Apple and Pear trees are also included in this category.

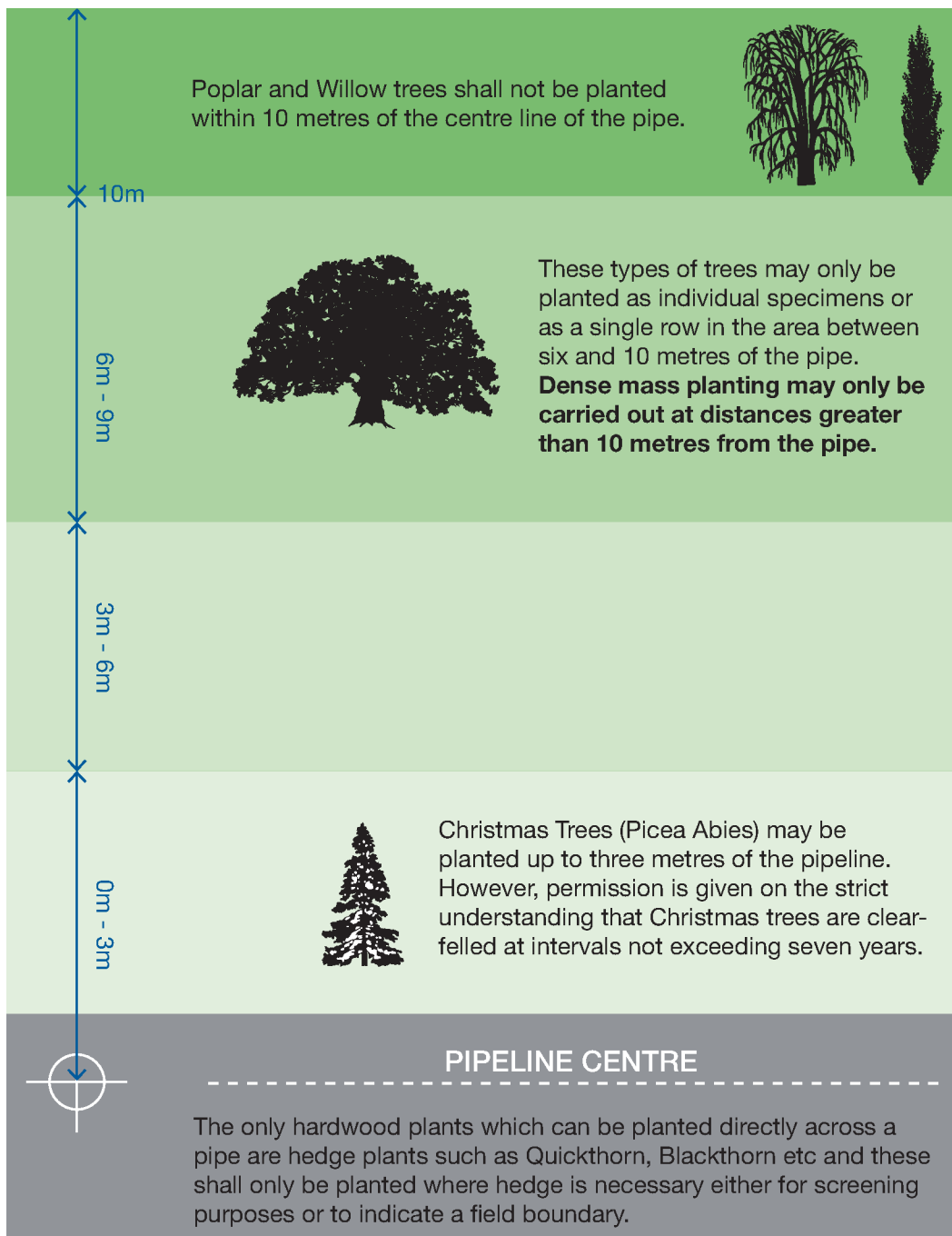
Dwarf Apple Stocks may be planted up to three metres of the centre line of the pipe.



In cases where screening is required, the following are shallow rooting and may be planted close to the pipeline; Blackthorn, Broom, Cottoneaster, Elder, Hazel, Laurel, Quickthorn, Privet, Snowberry and most ornamental shrubs.

PIPELINE CENTRE

Raspberries, Gooseberries and Blackcurrants may be planted on the pipe, but a four metre strip, centred on the pipe, MUST be left clear at all times.



Note: For further guidance refer to NJUG 10.

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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

Contact:

Tel: 0845 0703 497 or 0141 418 4093

Fax: 0141 429 6432

Email: plantlocation@sgn.co.uk

**Southern Gas Networks, Plant Location Team,
Tradeston, 95 Kilbirnie Street, Glasgow, G5 8JD**

www.sgn.co.uk

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).

WATER & SEWER

91 Market Street Hoylake Wirral CH47 5AA
Tel. 0151 632 5142
Fax. 0870 762 6172
enquiries@cornerstoneprojects.co.uk
www.cornerstoneprojects.co.uk
VAT Reg. No. 851 4941 19
Company No. 5132353



Cornerstone Projects Ltd
91
Market Street
Wirral
CH47 5AA

Your ref 19791b
Our ref 232113
Date 12 January 2017
Contact searches@southernwater.co.uk
Tel 0845 272 0845
0330 303 0276
Fax 01634 844514

Attention: Jake Hughes

Dear Customer

Re: Provision of public sewer and water main record extract

Location: St Columbas Close, Gravesend

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

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

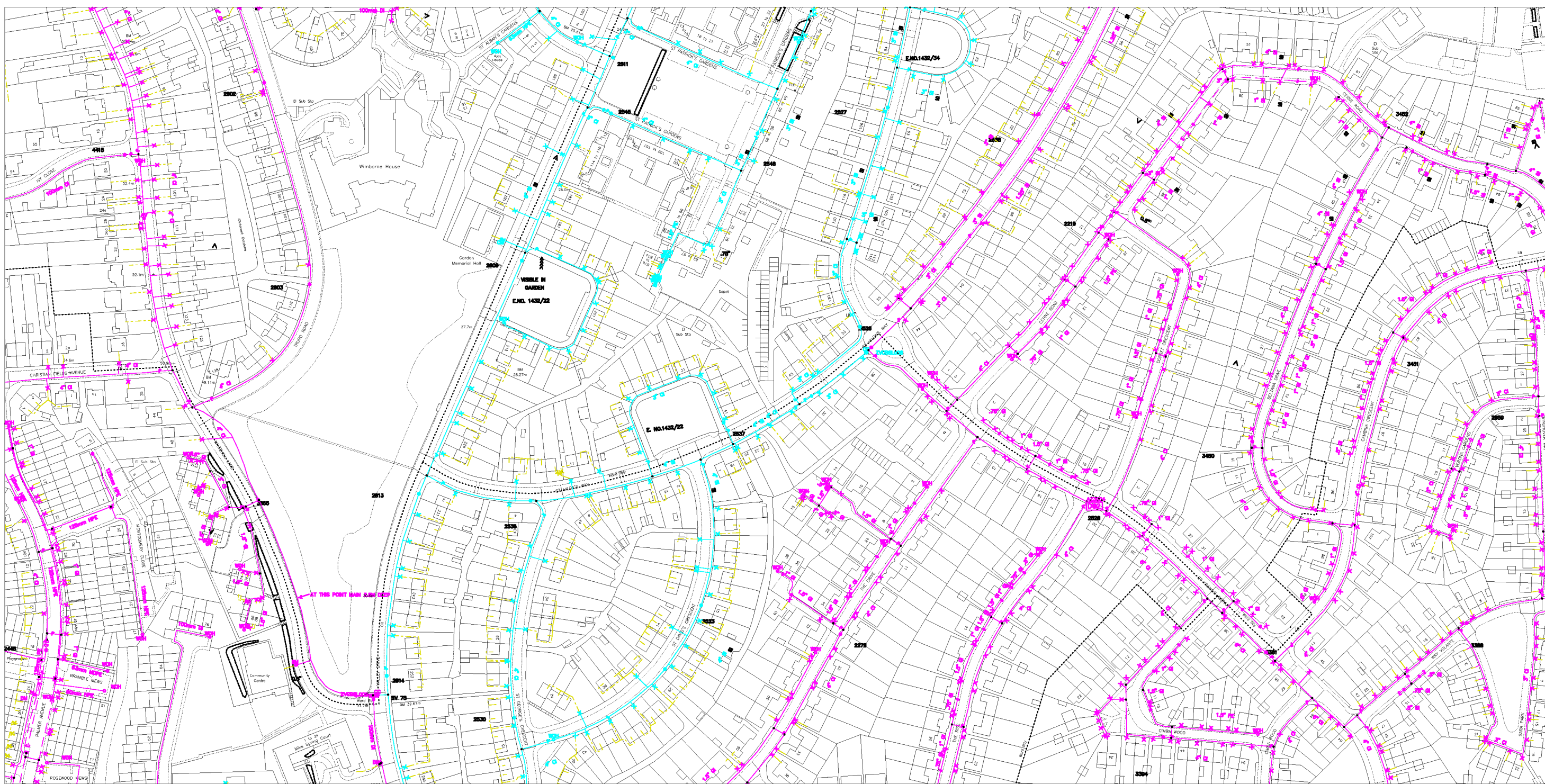
Customers should be aware that there are areas within our region in which there are neither sewers nor water mains. Similarly, whilst the enclosed extract may indicate the approximate location of our apparatus in the area of interest, it should not be relied upon as showing that further infrastructure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

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

Yours faithfully

LandSearch

172124



171640

566535

LEGEND - MAINS

	Distribution Main / Communication pipe		Clockwise closing valve
	Trunk Main		Fire Hydrant
	Raw water main		Washout
	Non potable		Washout hydrant
	Abandoned main		Meter
	Proposed Main		Capped end
	Fire main		Emptying plug
	Non SWS		Stopcock
	Sluice valve		Leak Noise Correlator Survey Point
	Closed valve		Anode
	Air valve		Telemetry cable
	Butterfly valve		Access point / hatchbox
	Pressure reducing valve		
	Reflux valve		
	Motorised valve		

MATERIALS

	Dialysis machine	Alkathene
	Break pressure tank	Cast iron
	Change node	Spun (grey) iron
	Pumping station	Concrete
	Booster station	Ductile iron
	Insertion Flow Meter Point	Bonded Asbestos Cement
	Water tower	Glass reinforced plastic
	Service reservoir	Glass reinforced epoxy
	Water Supply Works	(Unplasticised) Polyvinyl chloride
	Bore hole / Well	Polyethylene
	Intake	Steel
	Customer site	Concrete segments bolted
	Swab insertion point	Concrete segments unbolted
		Galvanised iron
		Ductile sleeve
		Concrete pre-stressed
		High performance polyethylene
		Unknown

AK
CI
SI
CO
DI
BAC
GRP
GRE
PVC
PE
ST
CSB
CSU
GI
DS
CPS
HPE
??

Drawn by: rogersc

Scale: 1:2500

Date: 18/01/2017

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

Based upon Ordnance Survey Digital Data with the permission of the controller of H.M.S.O. Crown Copyright Reserved Licence No. WU 298530.

O.S.Ref: TQ6671NW

TITLE: 232113 - St Columbus Close



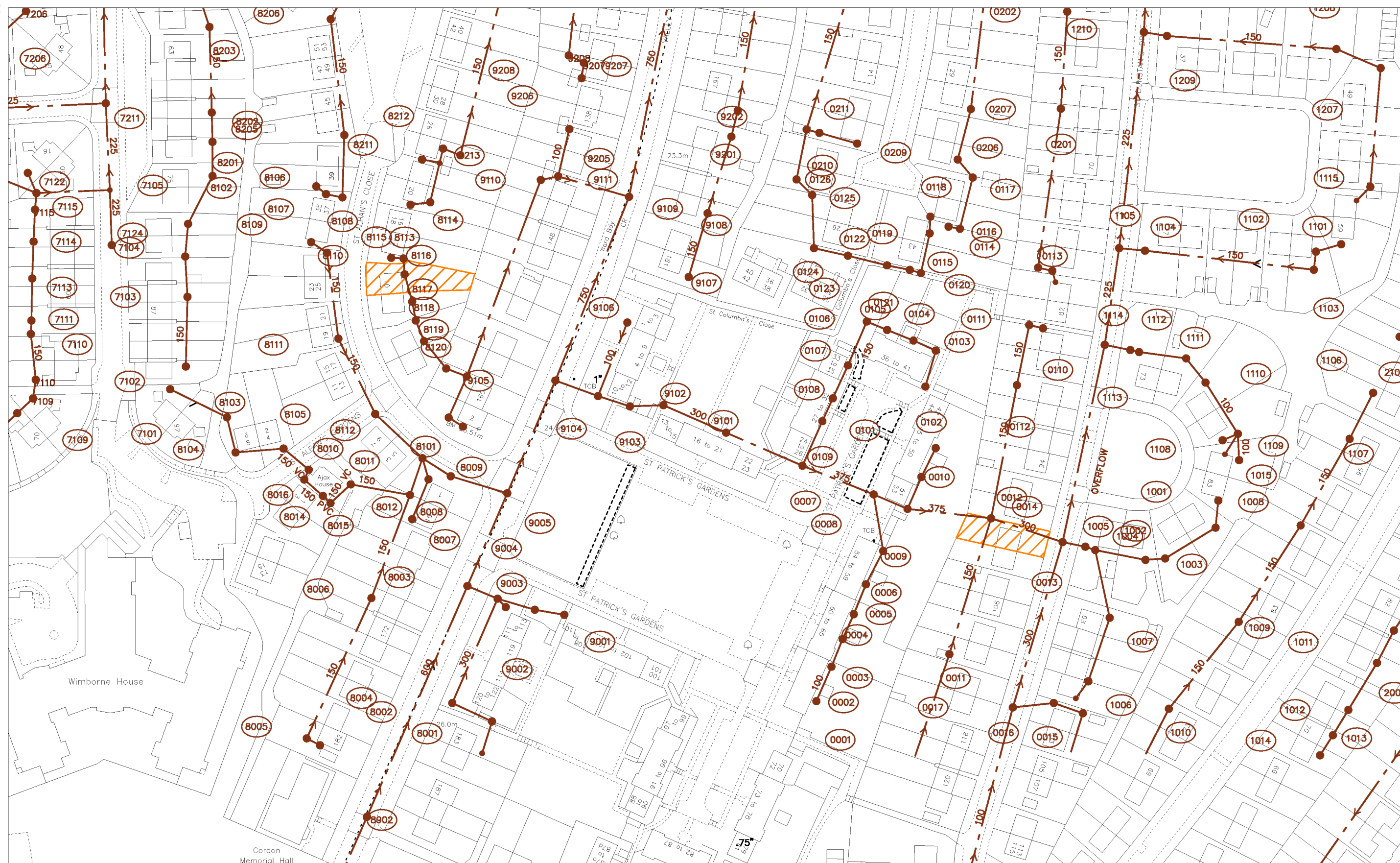
WARNING: BAC pipes are constructed of Bonded Asbestos Cement

WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement

566496

SEWER RECORDS PAGE 1 OF 2

172252



171964

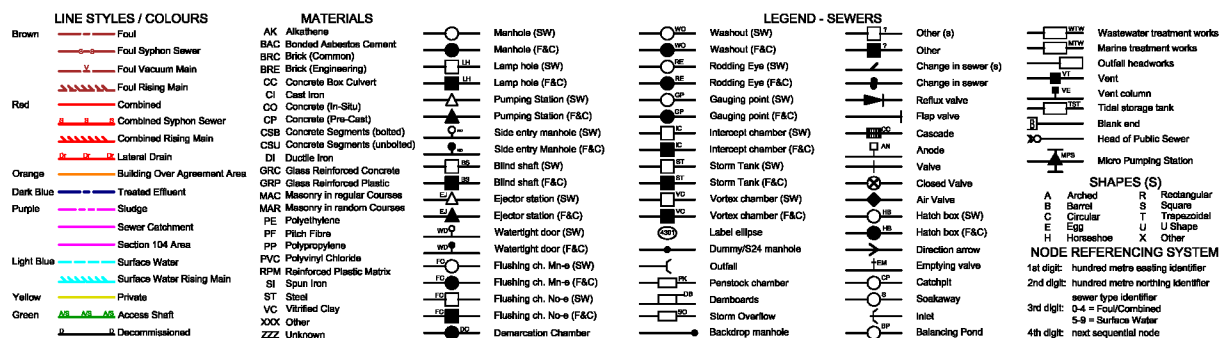
65736 O.S. REF. TQ6572SE	Drawn by: yadavs	The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determined on site. WARNING: BAC pipes are constructed of Bonded Asbestos Cement WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement		
	Scale: 1:1250			
	Title: 232113_St Columbas Close, Grav	Date: 12/01/2017		

565736

566206

SEWER RECORDS PAGE 2 OF 2

Node						Node						Node						Node					
Node	Cover	Invert	Size	Material	Shape	Node	Cover	Invert	Size	Material	Shape	Node	Cover	Invert	Size	Material	Shape	Node	Cover	Invert	Size	Material	Shape
0001X			100	UNK	CIRC	1014X			UNK	UNK	CIRC	8107X	32.079		100	UNK	CIRC						
0002X			UNK	UNK	CIRC	1015X			100	UNK	CIRC	8108X	32.058	30.878	150	UNK	CIRC						
0003X			UNK	UNK	CIRC	1101X			UNK	UNK	CIRC	8109X	32.27	30.94	100	UNK	CIRC						
0004X			150	UNK	CIRC	1102X			UNK	UNK	CIRC	810DX			UNK	UNK	CIRC						
0005X			UNK	UNK	CIRC	1103X			150	UNK	CIRC	8110X	31.818	30.828	150	UNK	CIRC						
0006X			UNK	UNK	CIRC	1104X			UNK	UNK	CIRC	8111X	30.072	28.942	150	UNK	CIRC						
0007X			375	UNK	CIRC	1105X			225	UNK	CIRC	8112X	28.311	26.701	UNK	UNK	CIRC						
0008X			UNK	UNK	CIRC	1107X			100	UNK	CIRC	8113X	30.157		UNK	UNK	CIRC						
0009X			375	UNK	CIRC	1108X			UNK	UNK	CIRC	8114X			UNK	UNK	CIRC						
000DX			UNK	UNK	CIRC	1109X			100	UNK	CIRC	8115X	30.098	28.4	100	UNK	CIRC						
0010X			UNK	UNK	CIRC	110DX			UNK	UNK	CIRC	8116X	29.756		UNK	UNK	CIRC						
0011X			150	UNK	CIRC	1110X			UNK	UNK	CIRC	8117X			UNK	UNK	CIRC						
0012X			300	UNK	CIRC	1111X			UNK	UNK	CIRC	8118X			UNK	UNK	CIRC						
0013X			225	UNK	CIRC	1112X			UNK	UNK	CIRC	8119X			UNK	UNK	CIRC						
0014X			150	UNK	CIRC	1113X			150	UNK	CIRC	8120X			UNK	UNK	CIRC						
0015X			UNK	UNK	CIRC	1114X			225	UNK	CIRC	8121X	25.242	23.882	UNK	UNK	CIRC						
0016X			UNK	UNK	CIRC	1115X			UNK	UNK	CIRC	8122X	25.334	24.554	100	UNK	CIRC						
0017X			300	UNK	CIRC	111DX			UNK	UNK	CIRC	8123X	25.367	24.487	100	UNK	CIRC						
0101X			UNK	UNK	CIRC	1207X			UNK	UNK	CIRC	8124X			150	UNK	CIRC						
0102X			UNK	UNK	CIRC	1208X			150	UNK	CIRC	8201X			150	UNK	CIRC						
0103X			UNK	UNK	CIRC	1209X			UNK	UNK	CIRC	8202X			150	UNK	CIRC						
0104X			UNK	UNK	CIRC	1210X			300	UNK	CIRC	8203X	33.852	32.462	150	UNK	CIRC						
0105X			100	UNK	CIRC	2001X			UNK	UNK	CIRC	8205X	31.848	30.598	150	UNK	CIRC						
0106X			150	UNK	CIRC	2101X			UNK	UNK	CIRC	8206X	30.844	29.544	150	UNK	CIRC						
0107X			UNK	UNK	CIRC	7101X	36.115	34.615	UNK	UNK	CIRC	8211X			UNK	UNK	CIRC						
0108X			UNK	UNK	CIRC	7102X	35.347	34.417	150	UNK	CIRC	8212X	29.194	27.944	150	UNK	CIRC						
0109X			UNK	UNK	CIRC	7103X	35.521	33.961	UNK	UNK	CIRC	8213X			150	UNK	CIRC						
010DX			UNK	UNK	CIRC	7104X			UNK	UNK	CIRC	8902X	26.57	24.38	600	UNK	CIRC						
0110X			UNK	UNK	CIRC	7105X			UNK	UNK	CIRC	9001X	27.778	24.628	150	UNK	CIRC						
0111X			150	UNK	CIRC	7109X			150	UNK	CIRC	9002X	26.358	24.388	150	UNK	CIRC						
0112X			150	UNK	CIRC	710DX			225	UNK	CIRC	9003X	25.906	24.368	100	UNK	CIRC						
0113X			UNK	UNK	CIRC	7110X			150	UNK	CIRC	9004X	25.768	23.848	300	UNK	CIRC						
0114X			UNK	UNK	CIRC	7111X			150	UNK	CIRC	9005X	24.948		UNK	UNK	CIRC						
0115X			UNK	UNK	CIRC	7112X	39.789		150	UNK	CIRC	9101X	27.204	25.444	UNK	UNK	CIRC						
0116X			UNK	UNK	CIRC	7113X	39.453	37.433	UNK	UNK	CIRC	9102X	86.035		300	UNK	CIRC						
0117X			UNK	UNK	CIRC	7114X			UNK	UNK	CIRC	9103Y	24.511		300	UNK	CIRC					*	
0118X			UNK	UNK	CIRC	7115X			UNK	UNK	CIRC	9103X	24.511	23.121	300	UNK	CIRC					*	
0119X			100	UNK	CIRC	7122X	38.907	37.647	100	UNK	CIRC	9104X	24.411	22.861	300	UNK	CIRC						
0120X			UNK	UNK	CIRC	7123X			UNK	UNK	CIRC	9105X	24.274		750	UNK	CIRC						
0121X			100	UNK	CIRC	7124X	37.233		225	UNK	CIRC	9106X	24.383	23.858	100	UNK	CIRC						
0122X			UNK	UNK	CIRC	7125X			100	UNK	CIRC	9107X	24.752	23.362	150	UNK	CIRC						
0123X			150	UNK	CIRC	7206X			150	UNK	CIRC	9108X	24.231	22.991	UNK	UNK	CIRC						
0124X			UNK	UNK	CIRC	7211X	36.638		225	UNK	CIRC	9109X	23.442		750	UNK	CIRC						
0125X			UNK	UNK	CIRC	8001X	26.495		300	UNK	CIRC	9110X			UNK	UNK	CIRC						
0126X			UNK	UNK	CIRC	8002X	26.071		300	UNK	CIRC	9111X	24.152		225	UNK	CIRC						
0201X			150	UNK	CIRC	8003X	25.413		UNK	UNK	CIRC	9201X			UNK	UNK	CIRC						
0202X			UNK	UNK	CIRC	8004X	26.948	26.548	100	UNK	CIRC	9202X	23.24		150	UNK	CIRC						
0206X			UNK	UNK	CIRC	8005X			150	UNK	CIRC	9205X	24.016	23.226	100	UNK	CIRC						
0207X			150	UNK	CIRC	8006X	26.183	24.663	150	UNK	CIRC	9206X	23.575		UNK	UNK	CIRC						
0209X			UNK	UNK	CIRC	8007X	25.46	24.78	100	UNK	CIRC	9207X			UNK	UNK	CIRC						
0210X			UNK	UNK	CIRC	8008X	25.443	24.533	UNK	UNK	CIRC	9208X			UNK	UNK	CIRC						
0211X			150	UNK	CIRC	8009X	25.437		225	UNK	CIRC												
1001X			UNK	UNK	CIRC	800DX			300	UNK	CIRC												
1002X			150	UNK	CIRC	8010X	29.522	28.052	150	PVC	CIRC												
1003X			UNK	UNK	CIRC	8011X	28.956	27.396	150	UNK	CIRC												
1004X			UNK	UNK	CIRC	8012X	25.447	24.107	UNK	UNK	CIRC												
1005X			UNK	UNK	CIRC	8014X			150	PVC	CIRC												
1006X			UNK	UNK	CIRC	8015X			150	VC	CIRC												
1007X			UNK	UNK	CIRC	8016X			150	PVC	CIRC												
1008X			150	UNK	CIRC	8101X			UNK	UNK	CIRC												
1009X			150	UNK	CIRC	8102X	35.2	33.17	150	UNK	CIRC												
1010X			150	UNK	CIRC	8103X			UNK	UNK	CIRC												
1011X			100	UNK	CIRC	8104X	33.649	32.029	100	UNK	CIRC												
1012X			UNK	UNK	CIRC	8105X	31.396	29.846	150	VC	CIRC												
1013X			150	UNK	CIRC	8106X	32.221		100	UNK	CIRC												



Drawn by: yadavsa

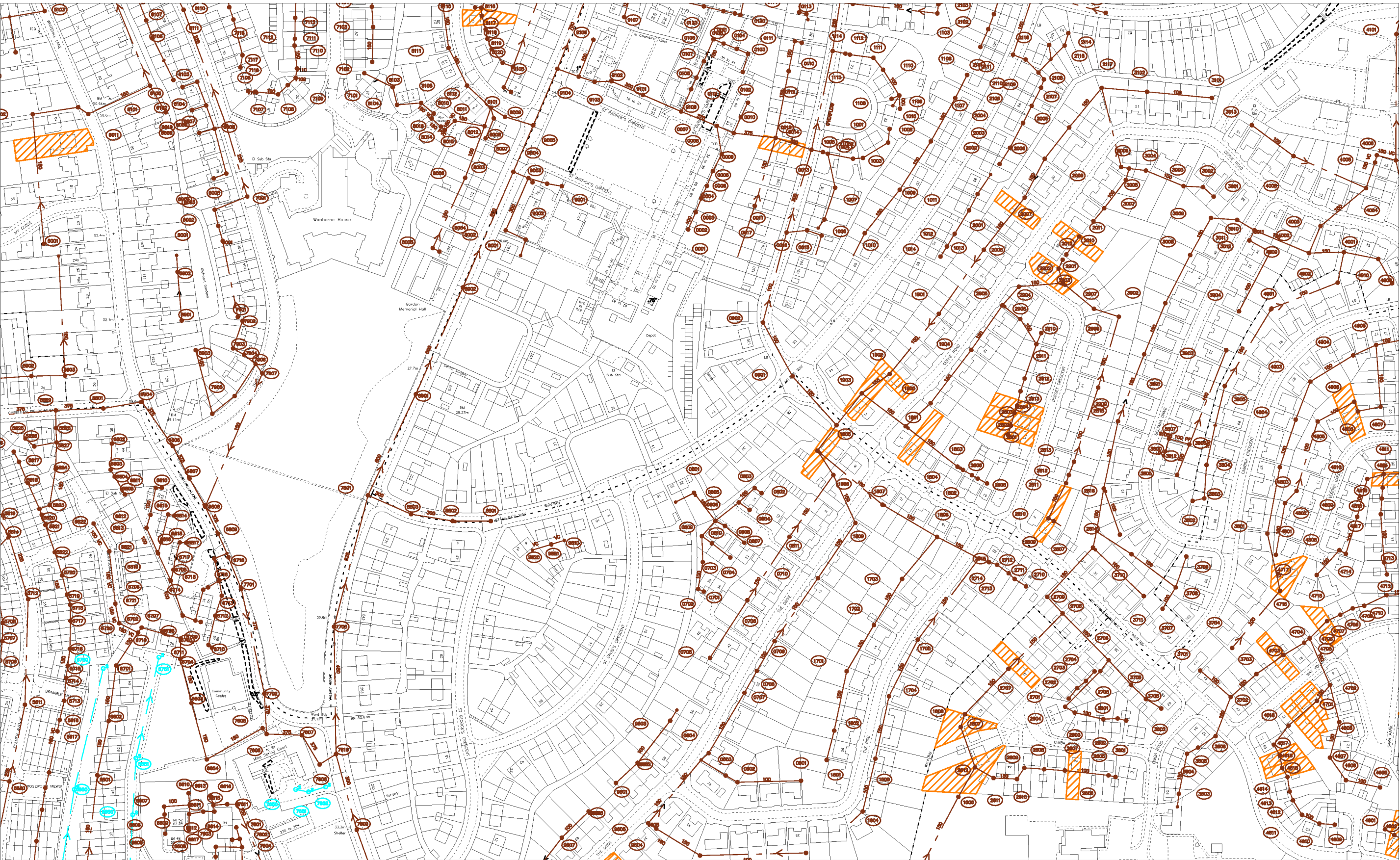
Title: 232113 St Columbas Close, Grav

Date: 12/01/2017



SEWER RECORDS PAGE 1 OF 2

172171



171593

565545	O.S. REF. TQ6671NW	Drawn by: rogersc	The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determined on site. WARNING: BAC pipes are constructed of Bonded Asbestos Cement WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement		
		Scale: 1:2500			
	Title: 232113 - St Columbus Close	Date: 18/01/2017	Based upon Ordnance Survey Digital Data with the permission of the controller of H.M.S.O. Crown Copyright Reserved Licence No. WU 298530.		

566487

SEWER RECORDS PAGE 2 OF 2

Node	Cover	Invert	Size	Material	Shape	Node	Cover	Invert	Size	Material	Shape	Node	Cover	Invert	Size	Material	Shape	Node	Cover	Invert	Size	Material	Shape
0001X			100	UNK	CIRC	0811X	49.464	46.934	150	UNK	CIRC	2011X			100	UNK	CIRC	2907X	56.435	54.855	150	UNK	CIRC
0002X			UNK	UNK	CIRC	0812X	48.325	46.165	150	UNK	CIRC	2012X			UNK	UNK	CIRC	2908X	57.226	55.186	150	UNK	CIRC
0003X			UNK	UNK	CIRC	0901X	43.593	42.043	100	UNK	CIRC	2101X			UNK	UNK	CIRC	2909X	57.731	56.011	150	UNK	CIRC
0004X			150	UNK	CIRC	0902X	41.266	39.976	100	UNK	CIRC	2102X			UNK	UNK	CIRC	2910X			100	UNK	CIRC
0005X			UNK	UNK	CIRC	1001X			UNK	UNK	CIRC	2103X			UNK	UNK	CIRC	2911X	55.255		150	UNK	CIRC
0006X			UNK	UNK	CIRC	1002X			150	UNK	CIRC	2106X			UNK	UNK	CIRC	2912X	55.254	54.184	150	UNK	CIRC
0007X			375	UNK	CIRC	1003X			UNK	UNK	CIRC	2107X			UNK	UNK	CIRC	2913X	55.139	54.309	100	UNK	CIRC
0008X			UNK	UNK	CIRC	1004X			UNK	UNK	CIRC	2108X			UNK	UNK	CIRC	3001X			UNK	UNK	CIRC
0009X			375	UNK	CIRC	1005X			UNK	UNK	CIRC	2109X			UNK	UNK	CIRC	3002X			100	UNK	CIRC
000DX			UNK	UNK	CIRC	1006X			UNK	UNK	CIRC	210DX			150	UNK	CIRC	3003X			100	UNK	CIRC
0010X			UNK	UNK	CIRC	1007X			UNK	UNK	CIRC	2110X			UNK	UNK	CIRC	3004X			UNK	UNK	CIRC
0011X			150	UNK	CIRC	1008X			150	UNK	CIRC	2111X			150	UNK	CIRC	3005X			UNK	UNK	CIRC
0012X			300	UNK	CIRC	1009X			150	UNK	CIRC	2113X			150	UNK	CIRC	3006X			150	UNK	CIRC
0013X			225	UNK	CIRC	1010X			150	UNK	CIRC	2114X			UNK	UNK	CIRC	3007X			UNK	UNK	CIRC
0014X			150	UNK	CIRC	1011X			100	UNK	CIRC	2115X			150	UNK	CIRC	3008X			150	UNK	CIRC
0015X			UNK	UNK	CIRC	1012X			UNK	UNK	CIRC	2116X			UNK	UNK	CIRC	3009X			UNK	UNK	CIRC
0016X			UNK	UNK	CIRC	1013X			150	UNK	CIRC	2117X			150	UNK	CIRC	3010X			UNK	UNK	CIRC
0017X			300	UNK	CIRC	1014X			UNK	UNK	CIRC	2601X	63.859	62.719	100	UNK	CIRC	3011X			150	UNK	CIRC
0101X			UNK	UNK	CIRC	1015X			100	UNK	CIRC	2602X	63.811	62.491	100	UNK	CIRC	3012X			UNK	UNK	CIRC
0102X			UNK	UNK	CIRC	1103X			150	UNK	CIRC	2603X			100	UNK	CIRC	3013X			100	UNK	CIRC
0103X			UNK	UNK	CIRC	1107X			100	UNK	CIRC	2604X			150	UNK	CIRC	3101X			100	UNK	CIRC
0104X			UNK	UNK	CIRC	1108X			UNK	UNK	CIRC	2605X	64.505	63.465	100	UNK	CIRC	3102X			UNK	UNK	CIRC
0105X			100	UNK	CIRC	1109X			100	UNK	CIRC	2606X	64.424	63.394	100	UNK	CIRC	3601X	64.029	62.959	100	UNK	CIRC
0106X			150	UNK	CIRC	1110X			UNK	UNK	CIRC	2607X			150	UNK	CIRC	3602X	64.084	63.084	100	UNK	CIRC
0107X			UNK	UNK	CIRC	1111X			UNK	UNK	CIRC	2608X	63.975	62.605	150	UNK	CIRC	3603X	64.89		150	UNK	CIRC
0108X			UNK	UNK	CIRC	1112X			UNK	UNK	CIRC	2609X	63.73	62.32	150	UNK	CIRC	3604X	64.728	62.958	150	UNK	CIRC
0109X			UNK	UNK	CIRC	1113X			150	UNK	CIRC	2610X	63.595	62.195	150	UNK	CIRC	3605X	64.61	62.68	150	UNK	CIRC
010DX			UNK	UNK	CIRC	1114X			225	UNK	CIRC	2611X	63.348	61.858	150	UNK	CIRC	3606X	64.604	62.554	150	UNK	CIRC
0110X			UNK	UNK	CIRC	111DX			UNK	UNK	CIRC	2612X	62.686	61.486	150	UNK	CIRC	360DX			150	UNK	CIRC
0111X			150	UNK	CIRC	1601X	57.697	56.637	100	UNK	CIRC	2701X	62.828	62.568	100	UNK	CIRC	3701X	63.589	62.679	100	UNK	CIRC
0112X			150	UNK	CIRC	1602X			150	UNK	CIRC	2702X	63.168	62.338	100	UNK	CIRC	3702X	64.227	62.217	150	UNK	CIRC
0113X			UNK	UNK	CIRC	1604X	60.29		100	UNK	CIRC	2703X	62.835	62.225	100	UNK	CIRC	3703X			150	UNK	CIRC
0114X			UNK	UNK	CIRC	1605X	59.39	57.95	150	UNK	CIRC	2705X			UNK	UNK	CIRC	3704X	63.64	62.72	100	UNK	CIRC
0120X			UNK	UNK	CIRC	1606X	62.771	61.561	150	UNK	CIRC	2706X	62.994		150	UNK	CIRC	3705X	63.829	62.629	100	UNK	CIRC
0121X			100	UNK	CIRC	1607X	62.258	60.968	150	UNK	CIRC	2707X	61.458	60.058	150	UNK	CIRC	3706X	63.503	62.003	100	UNK	CIRC
0122X			UNK	UNK	CIRC	1608X	61.696	60.646	150	UNK	CIRC	2708X	61.307	59.347	150	UNK	CIRC	3707X	62.805	61.865	100	UNK	CIRC
0123X			150	UNK	CIRC	1701X	56.406		150	UNK	CIRC	2709X	60.664	58.574	150	UNK	CIRC	3708X	62.407		100	UNK	CIRC
0501X			100	UNK	CIRC	1702X			150	UNK	CIRC	2710X			100	UNK	CIRC	3709X	62.125	61.365	100	UNK	CIRC
0502X	55.837	53.387	150	UNK	CIRC	1703X			150	UNK	CIRC	2711X	58.924	57.824	100	UNK	CIRC	3710X	61.219	59.389	150	UNK	CIRC
0601X	57.06		100	UNK	CIRC	1704X	58.644	57.354	150	UNK	CIRC	2712X	58.715	57.535	100	UNK	CIRC	3711X	61.931	61.001	100	UNK	CIRC
0602X			100	UNK	CIRC	1705X	58.081	56.601	150	UNK	CIRC	2713X	58.179	57.169	100	UNK	CIRC	3801X	62.122	60.732	150	UNK	CIRC
0603X	52.992		100	UNK	CIRC	1801X	50.354		150	UNK	CIRC	2714X	57.961	56.941	100	UNK	CIRC	3802X	61.515	60.575	100	UNK	CIRC
0604X	52.35		150	UNK	CIRC	1802X	54.92	54.24	100	UNK	CIRC	2715X	57.736	55.488	150	UNK	CIRC	3803X	61.296	60.286	100	UNK	CIRC
060DX			150	UNK	CIRC	1803X	54.014	53.254	100	UNK	CIRC	2801X			UNK	UNK	CIRC	3804X	60.875	59.595	100	UNK	CIRC
061DX			150	UNK	CIRC	1804X	53.995	52.195	150	UNK	CIRC	2802X			UNK	UNK	CIRC	3805X	60.503	59.843	100	UNK	CIRC
0701X	47.512	46.702	100	UNK	CIRC	1805X	47.38		150	UNK	CIRC	2803X	55.514	54.564	100	UNK	CIRC	3806X	60.236	59.416	100	UNK	CIRC
0702X	47.014	46.164	100	UNK	CIRC	1806X			150	UNK	CIRC	2804X	55.746	54.516	100	UNK	CIRC	3807X			100	PF	CIRC
0703X	46.64	45.52	100	UNK	CIRC	1807X	52.529	50.719	150	UNK	CIRC	2805X	56.262	55.281	100	UNK	CIRC	380DX			UNK	UNK	CIRC
0704X			UNK	UNK	CIRC	1808X			150	UNK	CIRC	2806X	55.418	54.608	100	UNK	CIRC	380ZX			150	UNK	CIRC
0705X			UNK	UNK	CIRC	1809X	51.949	48.529	150	UNK	CIRC	2807X	60.417	57.907	150	UNK	CIRC	3812X			UNK	UNK	CIRC
0706X			150	UNK	CIRC	1901X			150	UNK	CIRC	2809X	58.826	58.246	100	UNK	CIRC	3901X	58.879	55.909	150	UNK	CIRC
0707X	51.965	50.495	150	UNK	CIRC	1902X	47.565	46.025	150	UNK	CIRC	280DX			150	UNK	CIRC	3902X			UNK	UNK	CIRC
0708X	51.544	50.214	150	UNK	CIRC	1903X	47.459	45.409	150	UNK	CIRC	2810X	58.816	58.106	100	UNK	CIRC	3904X	58.596	57.286	100	UNK	CIRC
0709X	51.807	49.967	150	UNK	CIRC	1904X	51.396	49.836	150	UNK	CIRC	2811X	58.45	57.83	100	UNK	CIRC	3905X	59.914	58.594	150	UNK	CIRC
0710X	52.013	49.313	150	UNK	CIRC	1905X	50.657	48.667	150	UNK	CIRC	2812X	58.317	57.567	100	UNK	CIRC	4001X			150	UNK	CIRC
0801X	42.947	40.947	150	UNK	CIRC	2001X			UNK	UNK	CIRC	2813X	58.161	57.311	100	UNK	CIRC	4002X			UNK	UNK	CIRC
0802X	46.915	45.915	100	UNK	CIRC	2002X			100	UNK	CIRC	2814X	60.616	59.866	100	UNK	CIRC	4003X			150	UNK	CIRC
0803X	46.172	45.352	100	UNK	CIRC	2003X			UNK	UNK	CIRC	2815X	59.603	56.593	150	UNK	CIRC	4004X			150	VC	CIRC
0804X	46.959		100	UNK	CIRC	2004X			150	UNK	CIRC	2816X	59.943	57.263	150	UNK	CIRC	4005X			150	VC	CIRC
0805X	45.991		100	UNK	CIRC	2005X			UNK	UNK	CIRC	2901X	54.682	53.512	100	UNK	CIRC	4006X			150	VC	CIRC
0806X	45.505		150	UNK	CIRC	2006X			150	UNK	CIRC	2902X	54.697	53.337	100	UNK	CIRC	4007X			UNK	UNK	CIRC
0807X	47.697	46.507	100	UNK	CIRC	2007X			150	UNK	CIRC	2903X	54.982		150	UNK	CIRC	4008X			UNK	UNK	CIRC
0808X	46.073	44.523	100	UNK	CIRC	2008X			UNK	UNK	CIRC	2904X	53.294	51.704	150	UNK	CIRC	4009X			150	UNK	CIRC
0809X	45.539	44.329	100	UNK	CIRC	2009X			100	UNK	CIRC	2905X	52.588		150	UNK	CIRC	4101X			225	UNK	CIRC
0810X	46.209		100	UNK	CIRC	2010X			UNK	UNK	CIRC	2906X	53.93	52.49	150	UNK	CIRC	4601X	65.972		100	UNK	CIRC

LINE STYLES / COLOURS	
Brown	— Foul
Red	— Foul Syphon Sewer
Red	— Foul Vacuum Main
Red	— Foul Rising Main
Red	— Combined
Red	— Combined Syphon Sewer
Red	— Combined Rising Main
Orange	— Lateral Drain
Orange	— Building Over Agreement Area
Dark Blue	— Treated Effluent
Purple	— Studge
Purple	— Sewer Catchment
Light Blue	— Section 104 Area
Light Blue	— Surface Water
Light Blue	— Surface Water Rising Main
Yellow	— Private
Green	— Access Shaft
Green	— Decommissioned

MATERIALS	
AK	Alkalathene
BAC	Bonded Asbestos Cement
BRD	Brick (Common)
BRE	Brick (Engineering)
CC	Concrete Box Culvert
CI	Cast Iron
CO	Concrete (In-Situ)
CP	Concrete (Pre-Cast)
CSB	Concrete Segments (bolted)
CSU	Concrete Segments (unbolted)
DI	Ductile Iron
GR	Glass Reinforced Concrete
GRP	Glass Reinforced Plastic
MAC	Masonry in regular Courses
IR	Masonry in random Courses
PE	Polyethylene
PF	Pitch Fibre
PP	Polypropylene
PVC	Polyvinyl Chloride
IPM	Reinforced Plastic Matrix
SI	Spun Iron
ST	Steel
VC	Vitrified Clay
OOK	Other
ZZZ	Unknown

BT

Our Ref: Ref shown on map

email: nnhc@openreach.co.uk

Date of issue shown on map

Dear Customer,

NR & SW ACT 1991 – PROPOSED WORKS AT:

Prior to commencement of work: for free onsite guidance and accurate up to date location of BT plant please contact our Plant Protection Service by the following methods

Email Dial before you dig CBYD@openreach.co.uk

Visit the website www.openreach.co.uk/cbyd

Thank you for your request of describing the above proposals.

Enclosed are copies of our drawing marked up to show the approximate locations of BT apparatus which is present in the immediate vicinity of your works. It 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 made near to British Telecommunications plc apparatus which may exist at various depths and may deviate from the marked route.

To avoid damage it is recommended that mechanical excavators or borers are not used within 600mm of British Telecommunications plc plant. If scaffolding is erected, please ensure that our equipment is not enclosed, blocked, covered or otherwise obstructed by the scaffolding.

In the event of BT apparatus being in the area of works we recommend that your plant/vehicle crossing is either resited, or apply for a budget estimate by submitting detailed plans to the above address, these will be forwarded to the appropriate department for their comments.

Please ensure you quote our reference on any future correspondence.

Yours faithfully,

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.



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a BT Group business

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

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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 may be disregarded.
Existing BT Plant may not be recorded.
Information valid at time of preparation

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BT Ref : VQJ04385Y

Map Reference : (centre) TQ6597172108

Easting/Northing : (centre) 565971,1721

Issued : 11/01/2017 16:38:38

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

ELECTRIC

91 Market Street Hoylake Wirral CH47 5AA
Tel. 0151 632 5142
Fax. 0870 762 6172
enquiries@cornerstoneprojects.co.uk
www.cornerstoneprojects.co.uk
VAT Reg. No. 851 4941 19
Company No. 5132353



Mr. Jake Hughes
Cornerstone Projects Ltd
91 Market Street
Hoylake
Wirral
CH47 5AA

Our Ref: 2017/2243808
Your Ref: 19791b St Columba's Close
17/01/2017

Dear Sir/Madam

ST COLUMBA'S CLOSE, GRAVESEND

Thank you for your letter of 11/01/2017 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 at Metropolitan House, Darkes Lane, Potters Bar, Herts. , EN6 1AG, telephone no. 0845 2340040

- 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. If you wish to avail yourself of this service, in the first instance please telephone: 0845 6014516 between 08:30 and 17:00 Monday to Friday, Public and bank holidays excepted.

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

In the South East of England 0800 0963766 (24 Hours).

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.

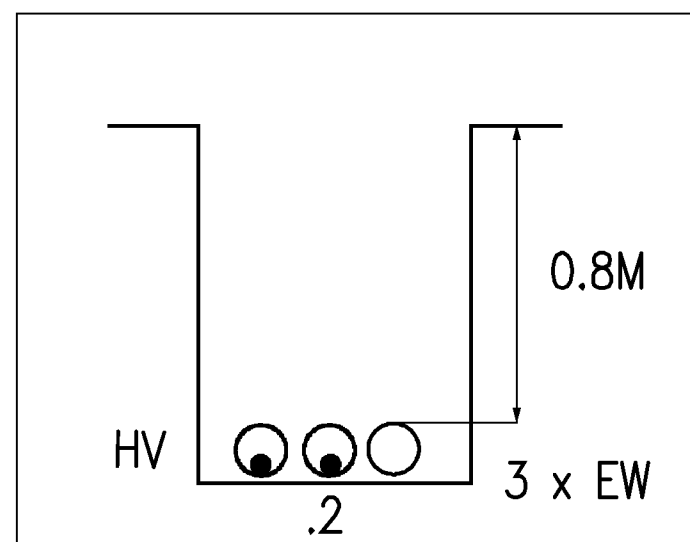


Martin Johnson - Telephone: 0800 0565 866
Plan Provision

UK Power Networks, Plan Provision, Fore Hamlet, Ipswich, IP3 8AA. Tel: 0800 0565866. Fax: 0870 1963782.

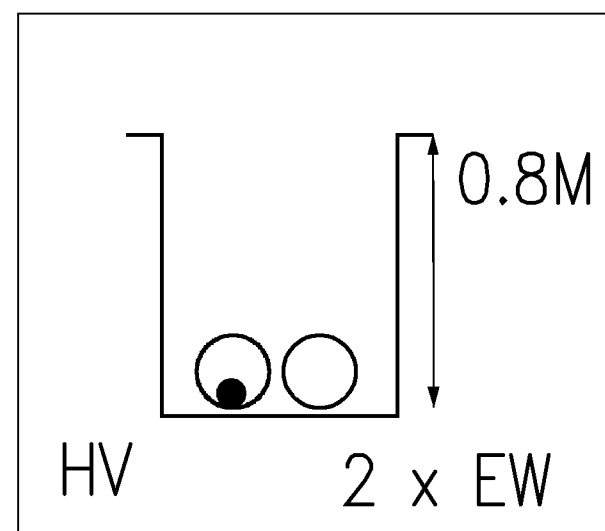
UK Power Networks Registered in England and Wales Registered No 7290590.
Registered office: Newington House, 237 Southwark Bridge Road London, SE1 6NP.

Cross Section (E TQ6572)



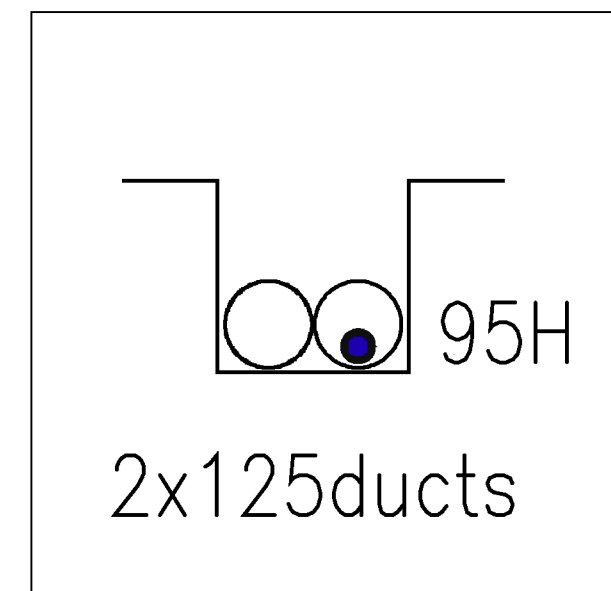
Cross Section
E

Cross Section (C TQ6572)



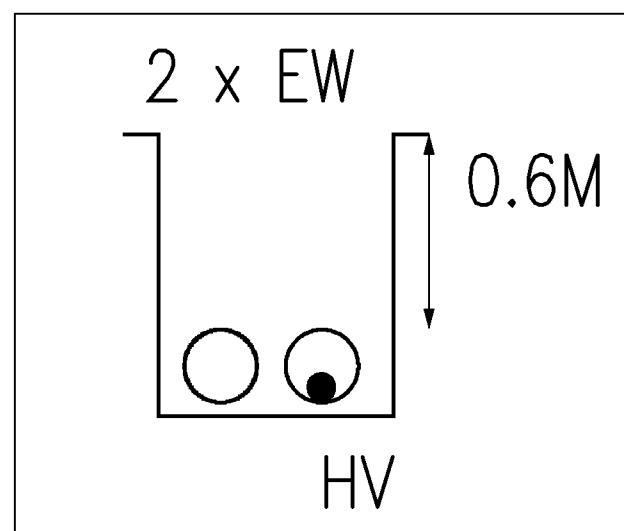
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Cross Section (2406342)

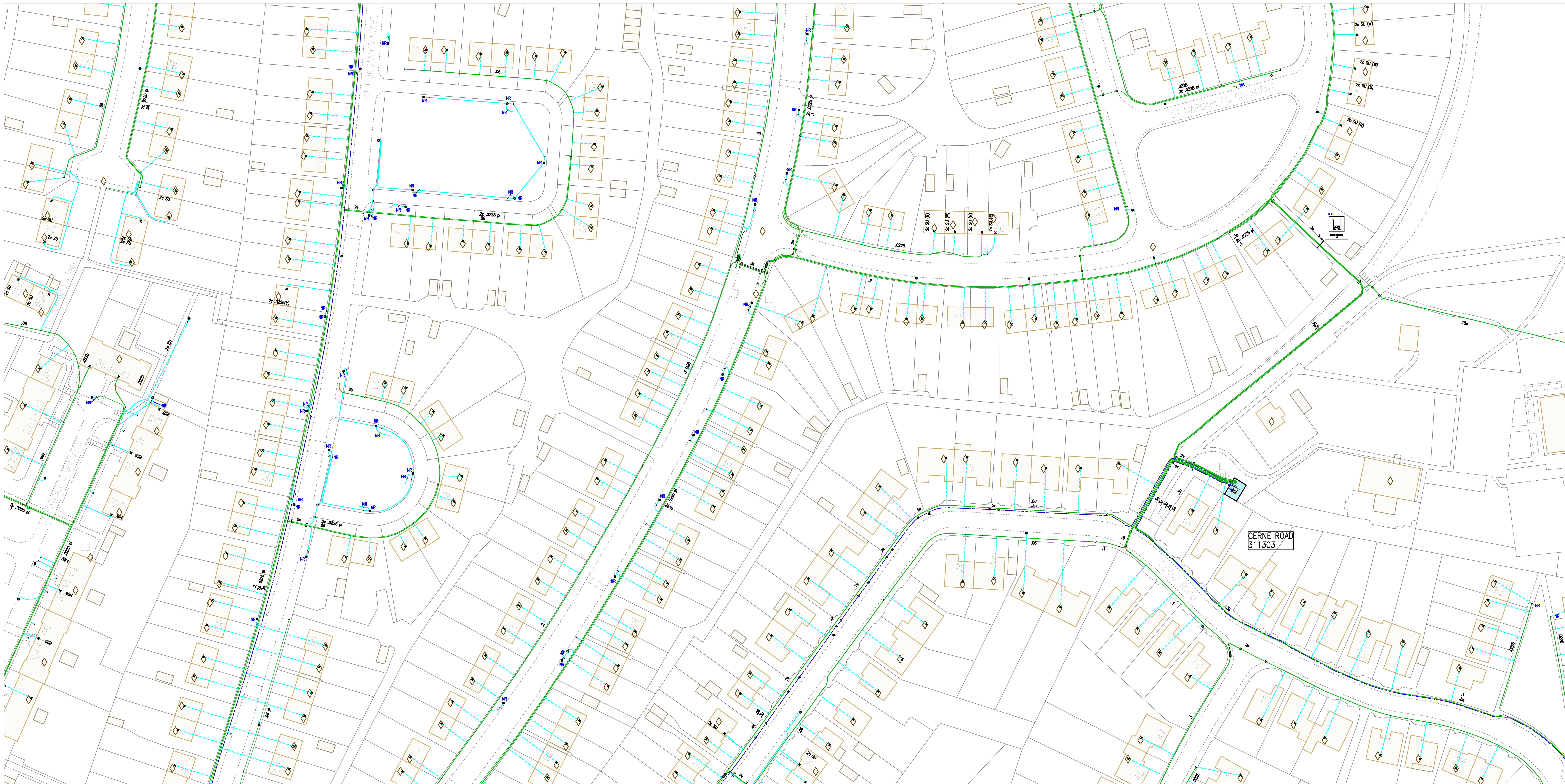


Cross Section

Cross Section (B TQ6572)



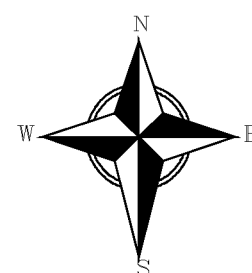
Cross Section



Plotted On : 17/01/2017
Plotted By : Martin Johnson
Plot Description: ST COLUMBA'S CLOSE, GRAVESEND
2017/2243808
Map Centre : TQ6672SW



UK Power Networks
Plan Provision
Fore Hamlet
IPSWICH
Suffolk
IP3 8AA
Tel 0800 0565 866
Fax 08701 963782



For details of the symbology please refer to
<http://www.ukpowernetworks.co.uk/safety-emergencies/in-the-workplace/understanding-safety-symbols.shtml>

PRIMARY CABLES
EXTRA HIGH VOLTAGE CABLES (EHV) 22,000 TO 132,000 Volts

Depth normally 750mm cover in carriageway & 600mm cover in footway.
Before digging within one metre of these cable routes
Telephone 0800 056 5866 in order that the Company's apparatus may be located
on site and any necessary protection works agreed.

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.

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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.

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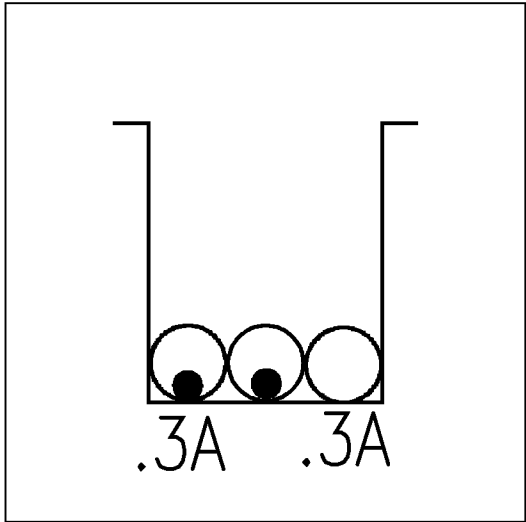
ADVICE TO CONTRACTORS ON AVOIDING DANGER
FROM BURIED ELECTRICITY CABLES.

- 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! PHONE 0800 056 5866
EMERGENCY – If you damage a cable or line Phone
0800 780 0780 (24hrs) URGENTLY

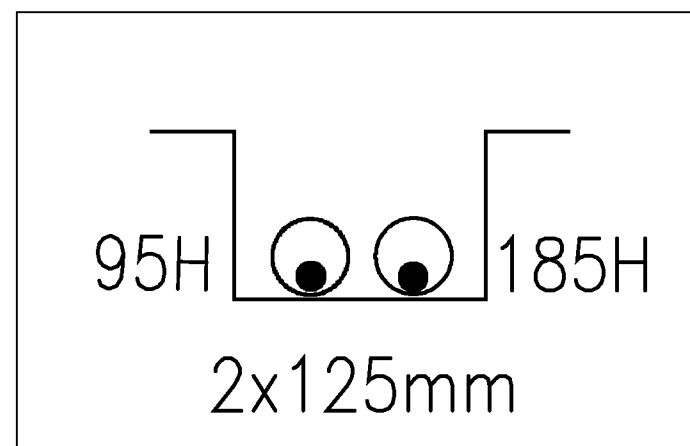
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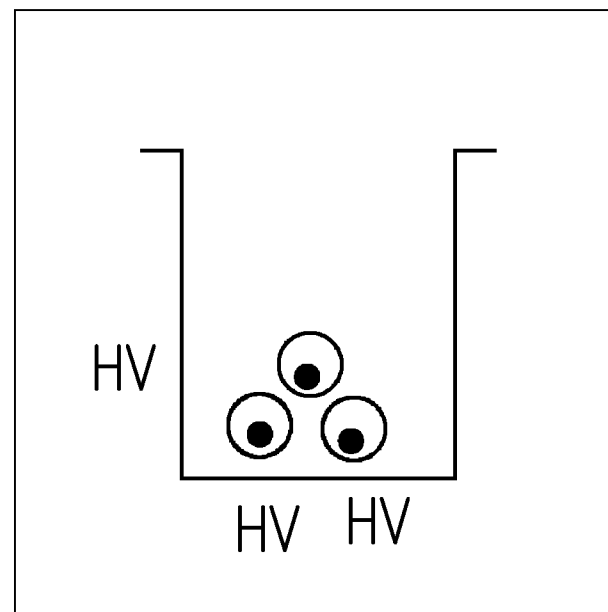
Cross Section

Cross Section (2288707)



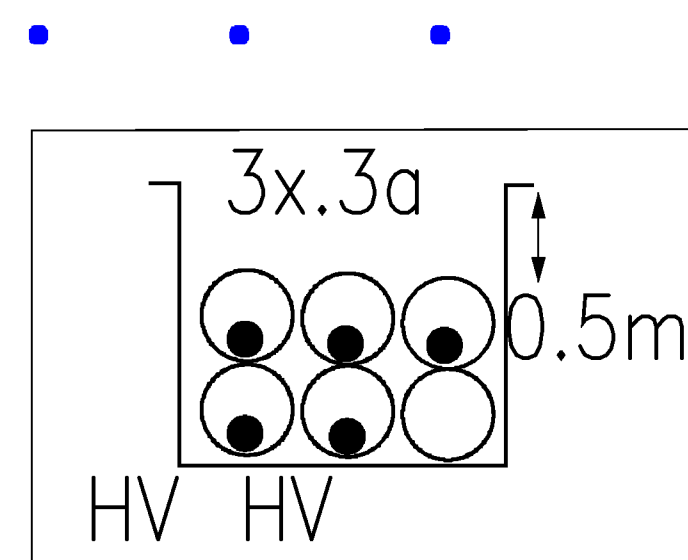
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2288707

Cross Section (B TQ6571)

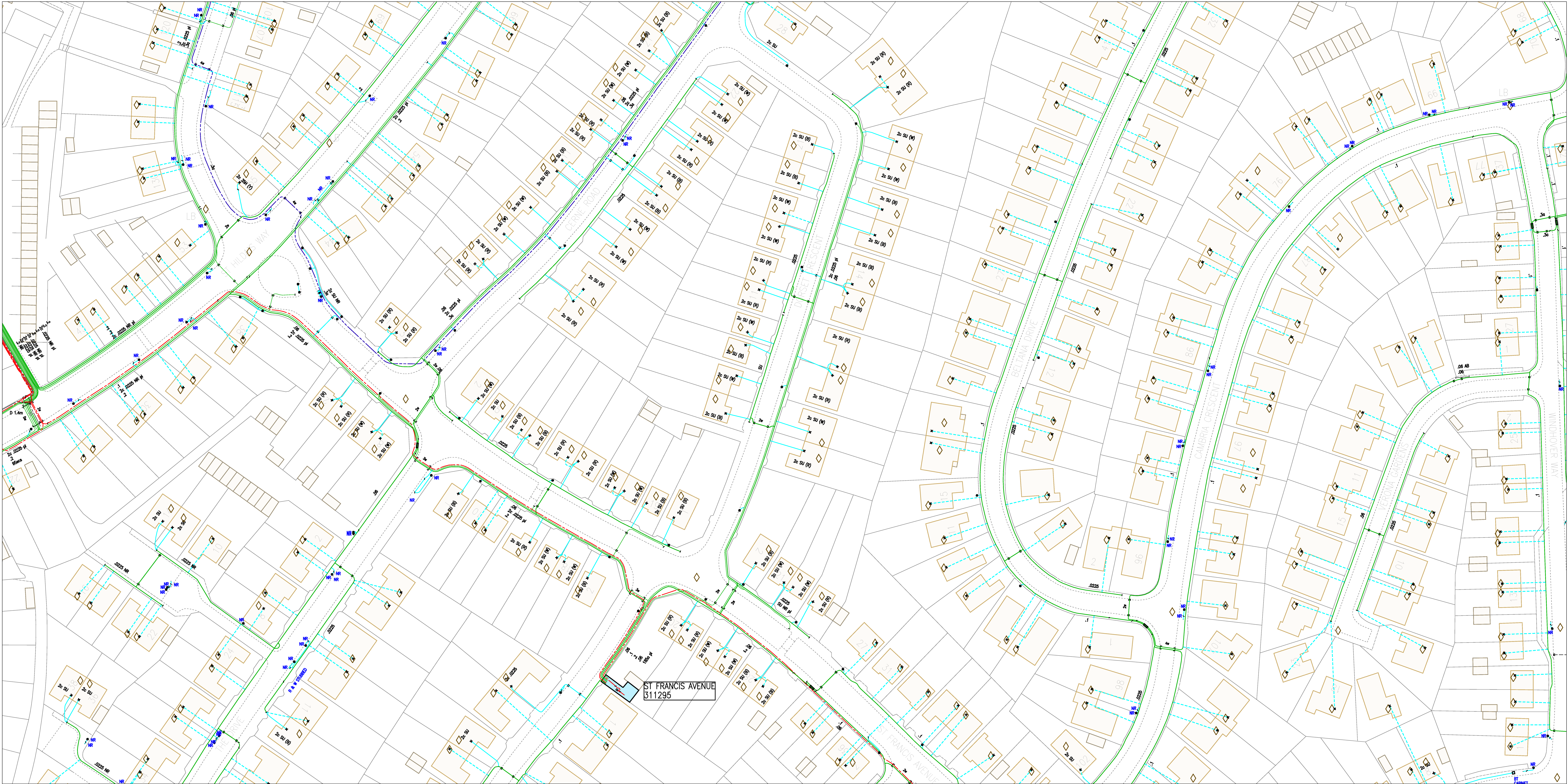


Cross Section
B

Cross Section (A TQ6571)



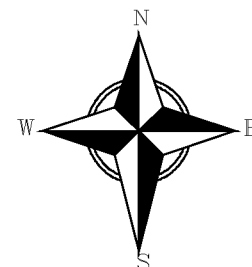
Cross Section
A



Plotted On : 17/01/2017
Plotted By : Martin Johnson
Plot Description: ST COLUMBA'S CLOSE, GRAVESEND
2017/2243808
Map Centre : TQ6671NW



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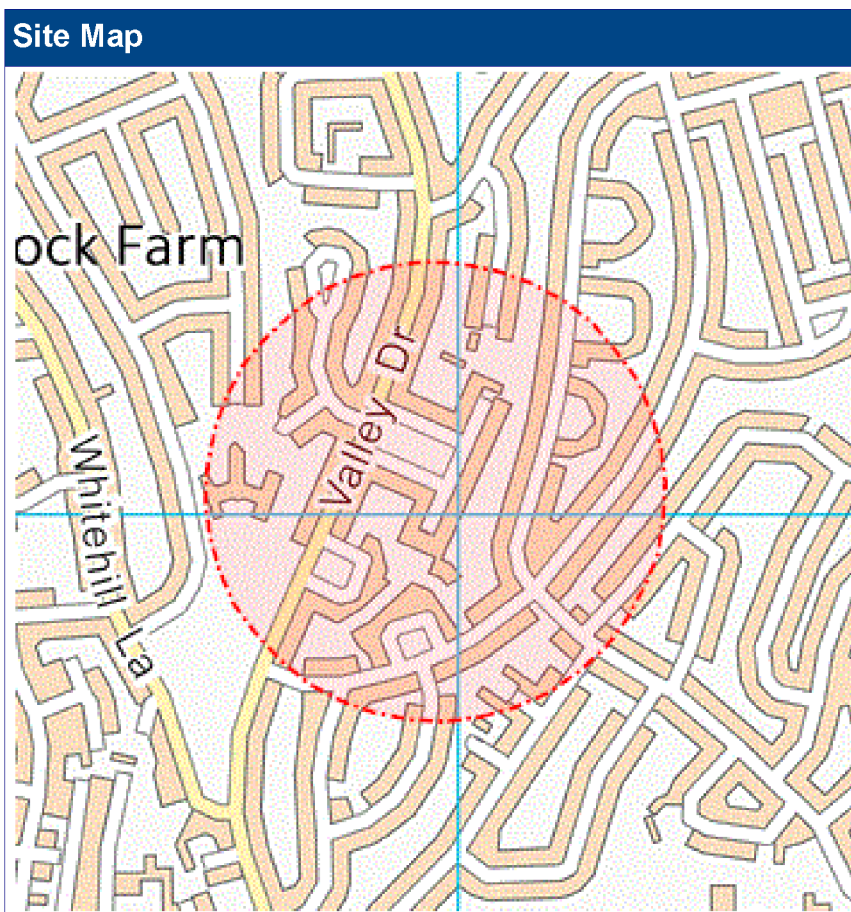
LINESEARCH

91 Market Street Hoylake Wirral CH47 5AA
Tel. 0151 632 5142
Fax. 0870 762 6172
enquiries@cornerstoneprojects.co.uk
www.cornerstoneprojects.co.uk
VAT Reg. No. 851 4941 19
Company No. 5132353

Enquirer			
Name	Mr Duncan Phillips	Phone	01516325142
Company	Cornerstone Projects	Mobile	Not Supplied
		Fax	08707626172
Address	91 Market Street Hoylake Merseyside CH47 5AA		
Email	searches@cornerstoneprojects.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	19791b		
Enquiry type	Planned Works	Work category	Development Projects
Start date	12/02/2017	Work type	Commercial/industrial
End date	12/02/2017	Site size	480 metres diameter
Searched location	XY= 565971, 172108 Easting/Northing	Work type buffer*	75 metres
Confirmed location	565974 172025		

* 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 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

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	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	RWEpower (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	Western Power Distribution
ESP Utilities Group	NPower CHP Pipelines	Wingas Storage UK Ltd
ESSAR	Oikos Storage Limited	Zayo Group UK Ltd c/o JSM Group Ltd