

Smart & Optimised

Smart Metering	Utilities Infrastructure	Process Design	Building Services Engineering	Sustainability
----------------	--------------------------	----------------	-------------------------------	----------------

Document

Deacon Park Utility Assessment Report

Client
For the attention of

EQT Exeter
Damian Horridge
Managing Director, C4 Projects Ltd

Date

30 December 2022

Author	Reviewer
Stephen Alabi, MIET BSc (Hons), MSc Lead Project Engineer	Sunday Cookey, CEng , MIET BSc (Hons), MSc, PhD Technical Manager

Table of Contents

Definitions, Abbreviations and Terminology	2
Executive Summary	3
1 Introduction	4
1.1 Background.....	4
1.2 Scope and Objectives	4
1.3 Methodology	5
1.4 Sources of Information, Assumptions and Qualifications.....	6
2 Summary of Costs	7
3 Existing Services	9
3.1 Utility Search – Statutory Providers.....	9
3.2 Utility Diversion, Lowering and Disconnection Works.....	9
4 New Services	11
4.1 Point of Connections and Onsite Service Terminations.....	11
4.1.1 Electricity	11
4.1.2 Gas.....	11
4.1.3 Water	12
4.1.4 Telecommunications.....	12
4.2 Reinforcement	12
4.3 Legal and Wayleaves.....	13
4.4 Implementation	13
4.5 Risks and Mitigations	13
5 Conclusion	14
Appendix A – Proposed Development’s Load Calculation.....	15
Appendix B – Indicative Incoming and Outgoing Service Plan	17
Appendix C – Utility Search Responses and Plans	19

Definitions, Abbreviations and Terminology

Term	Definition
DNO	Distribution Network Operator
EV	Electric Vehicle
GT	Gas Transporter
HV	High Voltage
IDNO	Independent Distribution Network Operator
kW	Gas Power Unit
KVA	Electric Power Unit
LP	Low Pressure Gas Service
L/S	Water Flowrate Unit
LSBUD	Line Search Before You Dig
LV	Low Voltage
MP	Medium Pressure Gas Service
MPAN	Meter Point Administration Number
MPRN	Meter Point Reference Number

Executive Summary

Existing utility search and new connections feasibility assessment, to support a new commercial development at Deacon Park, Knowsley have been carried out.

Over ninety statutory providers and non-statutory asset owners that may have assets in the vicinity were contacted. The statutory providers, mainly SP Energy Networks, Cadent Gas, United Utilities, Openreach and Virgin Media have their assets in the vicinity of the proposed development.

There are no existing services within or outside the site that will require diversion, lowering or disconnection as part of the 278 works.

The demands for the whole site have been obtained following the standard industry guidelines and a speculated tenant's energy demand profiling. The services demands for the whole site are 20000kVA, 3296kW, 2.3l/s for electricity, gas and water respectively. Telecommunication services into the site will be a minimum fibre to premises (FTTP), to provide up to 1Gb/s.

The existing supplies on site will be suitable and sufficient to meet the proposed development's service needs. By analysing the existing industry data, utility bills and carrying out site surveys, it has been established that there are sufficient capacities on site already to meet the new development's demand. As such, network reinforcements have not been identified and it is not expected that this will change when the construction work starts. It is however important to still undergo the process of network analysis, to fully establish the reserved/available capacities on site.

A risk analysis has been carried out on the new connections. It is not anticipated that there will be any real engineering risk to the implantation of the works required to provide the required capacities on site.

The electricity provision into the site will not require any wayleave agreement. The gas connection may require a wayleave agreement. It is not uncommon for this sort of lease to pose a low risk to the project, thereby causing delays. A risk analysis on this has been carried out and assessed to be very negligible without any danger to the development. Since this development shall be wholly owned by the client, it is not anticipated that easements will be a risk to this project. If the client is buying the development on leasehold, it is strongly recommended that utility easement(s) should form any condition to purchase.

Further recommendations are given in this report where applicable.

1 Introduction

1.1 Background

- 1.1.1 A new site is being proposed for development by EQT Exeter, a leading global real estate developer.
- 1.1.2 The site is the existing Deacon Park in Knowsley, L33 7RX.
- 1.1.3 The proposed development will be a single commercial warehousing unit.
- 1.1.4 As a development's requirement, it is essential to establish any existing utility services within or outside the site that may impact on the development and identify commercially viable utility services to support the new development.
- 1.1.5 This report presents the full assessment of any utility services within and outside the proposed development that may require diversion or disconnections, and provision of new utility services to support the proposed development.

1.2 Scope and Objectives

- 1.2.1 An assessment of services that may require diversions or disconnections has been based on a desktop study and site survey.
- 1.2.2 Site survey has been conducted for works relating to diversion and or disconnection of the electricity supply into the existing building.
- 1.2.3 New connections for services into the development have been limited to gas, electricity, water, and telecommunications.
- 1.2.4 Desktop analysis, and site surveys where applicable, have been applied to these new connections.
- 1.2.5 Estimated analysis of energy usages is included in this assessment but limited to peak demands only.

1.2.6 The objectives of the works can be summarised as follows.

- Assess the impact of the proposed development on any existing utility infrastructure within or outside the proposed site boundary and propose any applicable remedial works and costs.
- Assess the availability and cost propositions for new utility connections to the development.
- Assess the risk with implementing any remedial works required to mitigate the impact of the new development on any existing infrastructure.
- Assess the risk with implementing new connections works required to serve the development with gas, water, electricity and telecommunications.
- Propose mitigations for any identified risks with implementing any applicable remedial works and new connections.
- Provide any further recommendations where applicable.

1.3 Methodology

1.3.1 Technical Review

1.3.1.1 New connection load demands were obtained by a combination of CIBSE/BSRIA guide and speculative tenant's energy demand profiling (logistics handling).

1.3.1.2 Consultations on the load demands were made with the client's Project Managers, C4 Projects Ltd.

1.3.2 Desktop Survey

1.3.2.1 Using industry maps and resources, desktop surveys were carried out to identify existing services within and outside the development for potential diversion and disconnections.

1.3.2.2 Point of connections for the new services were also analysed via desktop surveys.

1.3.3 **Site Survey**

1.3.3.1 Site surveys were conducted two times for the electricity works.

1.3.3.2 The first survey was with the client's Project Managers, to determine the existing electricity connections and source of supply on site.

1.3.3.3 A second survey was conducted alongside with the host DNO, SP Energy Networks to determine the existing RMU and customer outgoing cable configuration.

1.3.3.4 The surveys were necessary to assess the possibility of retaining the existing assets for re-use, for the new development.

1.4 **Sources of Information, Assumptions and Qualifications**

1.4.1 The information contained in this report is based on a range of sources that have been selectively evaluated; these sources include existing service drawings, utility bills, site and proposed service termination plans, proposed energy demand, third party asset maps, industry data and point of connection plans.

1.4.2 Site drawings have been reviewed, where applicable, to gain an understanding of the existing site, proposed development, plant and equipment locations.

1.4.3 This level of study is expected to provide an acceptable appraisal of service diversions, disconnections, alterations and new connection works for the new development. There may be external, uncontrollable or unknown factors which may affect the accuracy of this appraisal, although none has been identified at the time of this report.

1.4.4 The information and recommendations stated in this report are based on the above techniques, with limitations and assumptions. These estimates can be affected by a multitude of external factors, which are subject to change. As a result, each recommendation should be reviewed at the time of consideration, to ensure that its relevance and applicable economics are still acceptable.

2 Summary of Costs

2.1 New Connections – Budget Cost

Services	Net	VAT	Gross
SPEN Non-Contestable Works	£7,800.00	£1,560.00	£9,360.00
Private HV/LV Connections	£297,560.00	£59,512.00	£357,072.00
Gas Connection	£28,000.00	£5,600.00	£33,600.00
Water Connection	£0.00	£0.00	£0.00
Openreach Connection	£6,000.00	£1,200.00	£7,200.00
Virgin Media Connection	£6,000.00	£1,200.00	£7,200.00
Total	£345,360.00	£69,072.00	£414,432.00

- 2.1.1 Costs above are budget at this stage.
- 2.1.2 SPEN's non-contestable cost is for an initial visit to isolate the outgoing customer cables, to enable the cable to be pot-ended, and make the existing building dead. A second visit will then be carried out by SPEN after SmOp have reconnected to the pot-ended cable and extended this into the new ring main unit on site.
- 2.1.3 The private HV/LV works is for all outgoing connections downstream of SPEN's RMU, including 2nos package substation, each enclosed in a GRP kiosk with double front and back doors, all LV works terminating inside LV panels (LV panels by others).
- 2.1.4 The gas connection cost is for the new medium pressure gas service, including the GRP kiosk and meter.
- 2.1.5 It is currently assumed that the existing water infrastructure will be suitable for the new development and that the statutory undertaker, United Utilities will not be required in for altering, diverting or disconnecting any services.
- 2.1.6 Openreach and Virgin Media costs are the costs for the asset providers to extend their fibre connections into the new development.
- 2.1.7 Costs above excludes builder's works for all services, to include 2nos plinths for the private HV/LV connections, gas plinths, and excavation, ducting and reinstatement for all services.
- 2.1.8 Demolition of any housing or structures have not been included above.

2.2 Service Disconnections, Alterations or Lowering – Budget Cost

Services	Net	VAT	Gross
Gas Service Disconnection	£9,200.00	£1,840.00	£11,040.00
Openreach Disconnection	£3,800.00	£760.00	£4,560.00
Virgin Media Disconnections	£3,800.00	£760.00	£4,560.00
Total	£16,800.00	£3,360.00	£20,160.00

- 2.2.1 Costs above are budget at this stage.
- 2.2.2 Gas service disconnection is the cost of making the existing service dead, to enable the demolition of the brick gas housing. This cost also allows for the meter removal.
- 2.2.3 Openreach and Virgin media are the costs for the asset providers to cut back their existing services to the appropriate junction boxes on site, to enable the demolition of the existing building.
- 2.2.4 Costs above includes builder work for the gas service disconnection.
- 2.2.5 Demolition of any housing or structures have not been included above.

3 Existing Services

3.1 Utility Search – Statutory Providers

- 3.1.1 Utility search of the proposed development and the surroundings was conducted via a 3rd Party Search company, Cornerstone Utilities Ltd.
- 3.1.2 Cornerstone's search extended to the main statutory providers for the area, SP Energy Networks, Cadent Gas, United Utilities and Openreach and other asset providers, over 90 providers.
- 3.1.3 The four statutory providers all have assets within or outside the site, but these will not require diversions or lowering and will not impact negatively on the proposed development. Their assets are all located within the boundaries of the new site.
- 3.1.4 Virgin Media also have their asset within the site.
- 3.1.5 No other provider or asset owner has assets that will directly or indirectly impact on the development.
- 3.1.6 Please see Appendix D for all the utility search results and maps.

3.2 Utility Diversion, Lowering and Disconnection Works

- 3.2.1 The proposed 278 works will not impact on the existing services.
- 3.2.2 Proposed entrances for the new development are "existing entrances" that would have appropriate service depths for the existing services running across them.
- 3.2.3 There is no existing utility infrastructure on site or offsite that will require diversion, lowering as part of 278 enabling works.
- 3.2.4 An assumption has been made that the existing entrances would have appropriate service depths. Trial holes and GPR scan are recommended to determine the correctness of this assumption.
- 3.2.5 Disconnections/Alterations
 - 3.2.5.1 The existing outgoing customer HV cables out of SPEN's RMU will need to be temporarily pot-ended in front of the RMU, to allow for the demolition of the existing structure.

- 3.2.5.2 The gas connection will need to be cut back and within the site boundary, to allow for the demolition of the brick gas housing.
- 3.2.5.3 United Utilities service valves controlling the portable water and other services into the site will need to be isolated temporarily, to allow for the demolition of the existing structure. This isolation can be done by the Main Contractor or the Demolition Contractor. United Utility may be informed but do not have to carry out the isolation. If there are no isolation valves, then United Utility will need to be contacted to temporarily cut back their sites within the site boundary.
- 3.2.5.4 It may be possible to use the portable water supply as a building water supply.
- 3.2.5.5 Openreach and Virgin Media cables will need to be cut back into their respective first junction boxes on site, to allow for the demolition of the existing building.

4 New Services

4.1 Point of Connections and Onsite Service Terminations

4.1.1 Electricity

- 4.1.1.1 The existing site has an HV connection from SPEN, with a reserved capacity of 2000kVA. This capacity will be retained for the new development.
- 4.1.1.2 The proposed electricity demand for the unit has been estimated as 2000kVA. Actual base load for the site, following BSRIA Guide is 860kVA, assuming a gas heated building.
- 4.1.1.3 An additional speculative load of 1140kVA has been added to fully utilise the existing capacity reservation for the site.
- 4.1.1.4 The 2000kVA supply will be fed as a ring connection within the site via 2nos 1000kVA package substation as shown on the external service plan, 220059-SMP-XX-XX-00-DR-COM-0001; please see Appendix B.
- 4.1.1.5 Existing SPEN's RMU is rated at 630A. Consultations made with SPEN's team indicated a possibility of additional capacity availability. A network analysis will be required at the time of requesting for any additional capacity over the existing 2000kVa reserved for the site.

4.1.2 Gas

- 4.1.2.1 The gas demand has been estimated as 3296kW.
- 4.1.2.2 The existing site has a medium pressure gas connection, live into a gas housing unit. The exact detail of the service is unknown.
- 4.1.2.3 It is expected that the existing service will not be less than a 90mm diameter connection.
- 4.1.2.4 It is expected that the incoming main will be suitable for the new development.
- 4.1.2.5 A new service will be taken into a new gas housing unit as shown on the external service plan, 220059-SMP-XX-XX-00-DR-COM-0001; please see Appendix B.

4.1.3 **Water**

- 4.1.3.1 Based on the estimated number of water fittings, to be used for only domestic use within the building, i.e., for kitchen, toilets and shower, and a use factor of 50%, the proposed water demand for both units has been estimated as 2.3l/s respectively.
- 4.1.3.2 A nominal service diameter pipework of 63mm (O/D) will be required to deliver the proposed flowrate.
- 4.1.3.3 The existing site has a 90mm service connection for portable water, with an 80mm water meter.
- 4.1.3.4 The current portable water infrastructure will be suitable for the new development and retained as it is without any downgrade modifications.
- 4.1.3.5 The existing 6" United Utility Water main on site, to the right-hand side of the exit road into Moorgate Road North, can be extended to feed the sprinkler supply or a fire hydrant ring main where required.

4.1.4 **Telecommunications**

- 4.1.4.1 Openreach and Virgin Media are assumed to have fibre infrastructure, FTTP within the existing site that will be suitable for the new development.
- 4.1.4.2 The FTTP infrastructure will provide up to 1Gbps internet download speed depending on the service communications provider.
- 4.1.4.3 For data resilience, both Openreach and Virgin Media are proposed for connections into the new development.

4.2 **Reinforcement**

- 4.2.1 Point of connection applications or any form of network analysis has not been conducted.
- 4.2.2 It is unsure at this stage if there will be reinforcement requirements for any of the proposed services.
- 4.2.3 Considering that all the existing services are proposed to be retained with sufficient capacities already, it is expected that there will be no need for any network reinforcement.

- 4.2.4 Full point of connection applications will be required in the future.

4.3 Legal and Wayleaves

- 4.3.1 The existing SPEN RMU will be retained, and the incoming HV cable route will not be altered.
- 4.3.2 There will be no requirement for any wayleaves or legal for the electricity connection into the new development.
- 4.3.3 Cadent Gas may require an easement for the new service connection into the gas kiosk.

4.4 Implementation

- 4.4.1 The utility works do not pose any engineering difficulties in implementation. It is expected that these will be executed without any constraints.
- 4.4.2 A combined utility programme of this type may take approximately 6 months to implement and commission from the date of accepting a valid connection proposal. This timescale is for general planning purposes only. Factors such as local authority consent, network approvals and wayleaves may impact on this time frame.

4.5 Risks and Mitigations

- 4.5.1 No real engineering risks have been identified as a hindrance to carrying out the utility works that will be required for this new development.
- 4.5.2 The required Cadent Gas wayleave agreement may pose a minimal risk to the service delivery if the respective parties do not agree on covenants that will bind them together in a timely manner. It is expected that the landlord will be able to expedite their actions to facilitate the quick discharge of this critical connection requirement.
- 4.5.3 If the development is purchased as a leasehold, it is highly recommended that the condition to purchase should include granting of wayleaves by the freeholder.

5 Conclusion

- 5.1 The site has been assessed for existing and new utility services.
- 5.2 It has been established that there are no existing utility services on site or offsite that will require diversion, lowering or disconnection as part of the proposed 278 works.
- 5.3 All services will need to be cut back, away from the current building to allow for the demolition works.
- 5.4 The existing services within the site shall be retained and re-used for the new development.
- 5.5 Information currently available indicates sufficient capacity in the existing services, to meet the new development's service demands.
- 5.6 It is not expected that there will be engineering difficulties or real risk in carrying out the new connections.
- 5.7 The new connections works have been assessed for design, legal, delivery and commissioning, and found to exhibit no real risk that will hinder the provisions of the required services into the site.

Appendix A – Proposed Development's Load Calculation

Smart & Optimised

Project	Deacon Park
Document	Design Calculations
Date	22 December 2022
Status	Concept, Not Detailed

Electric

Plot/Unit	GIA (m ²)			Electrical Load, kVA				
	Office	Warehouse	Total	Office	Warehouse	Net (Base Load)	Speculative Load	Total
Unit 1	2,303	38,812	41,115	200	660	860	1140	2,000
Base Load (BSRIA Guide), W/m ²			Office - 87	Warehouse - 17				

Gas

Plot/Unit	GIA (m ²)			Gas Load, kW			
	Office	Warehouse	Total	Office	Warehouse	Hot Water	Total
Unit 1	2,303	38,812	41,115	161.2	3105.0	30	3296
Base Load (BSRIA Guide), W/m ²			Office - 70	Warehouse - 80			

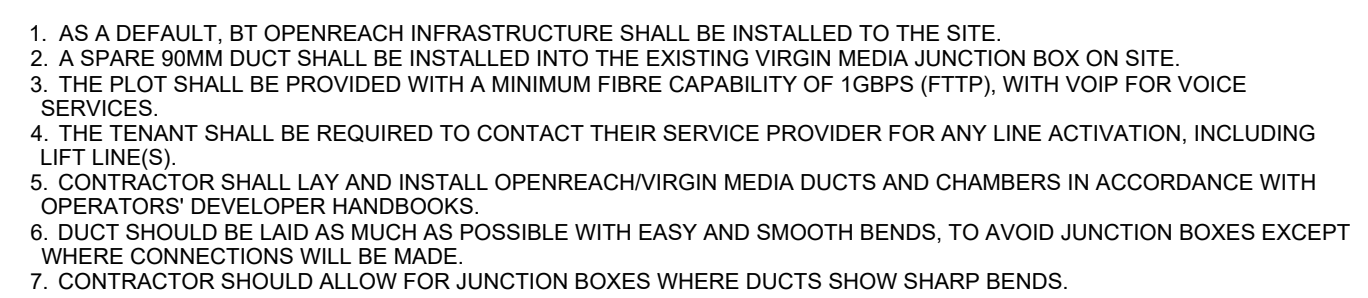
Water

Plot/Unit	Water Fittings							Flowrate, l/s		
	WC	Urinal	Wash Basin	Shower Bath	Kitchen Sink	Dish Washer	External Tap	Net	Utilisation Factor	Final
Unit 1	12	4	12	1	2	2	0	4.7	50%	2.3
Loading Factors, (BSRIA Guide)			WC	Urinal	Wash Basin	Shower/Bath	Kitchen Sink	Dish Washer	External Tap	
			0.13	0.004	0.15	0.3	0.3	0.2	0.1	
Please note: water fittings quanity has been estimated for wach plot.										

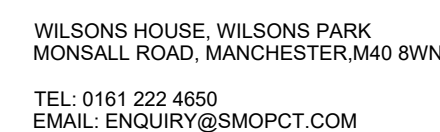
Service Requirement Summary				
Plots	Electric, kVA	Gas, kW	Water, l/s	Telecoms
Unit 1	2,000	3,296	2.3	FTTP, 1GBPS

Appendix B – Indicative Incoming and Outgoing Service Plan

Smart & Optimised



COPYRIGHT: ALL RIGHTS RESERVED.
THIS DRAWING IS INTENDED FOR THE RECIPIENT(S) ONLY.
THIS DRAWING MUST NOT BE REPRODUCED WITHOUT PERMISSION.
DIMENSIONS ARE IN MILLIMETRES UNLESS SPECIFIED.



Appendix C – Utility Search Responses and Plans

Smart & Optimised

Utilities Search Report



Tuesday, 29 Nov 2022

SmOp Cleantech

21112022

Deacon Park

91 Market Street Hoylake Wirral CH47 5AA
Tel. 0151 632 5142
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

Table of contents:

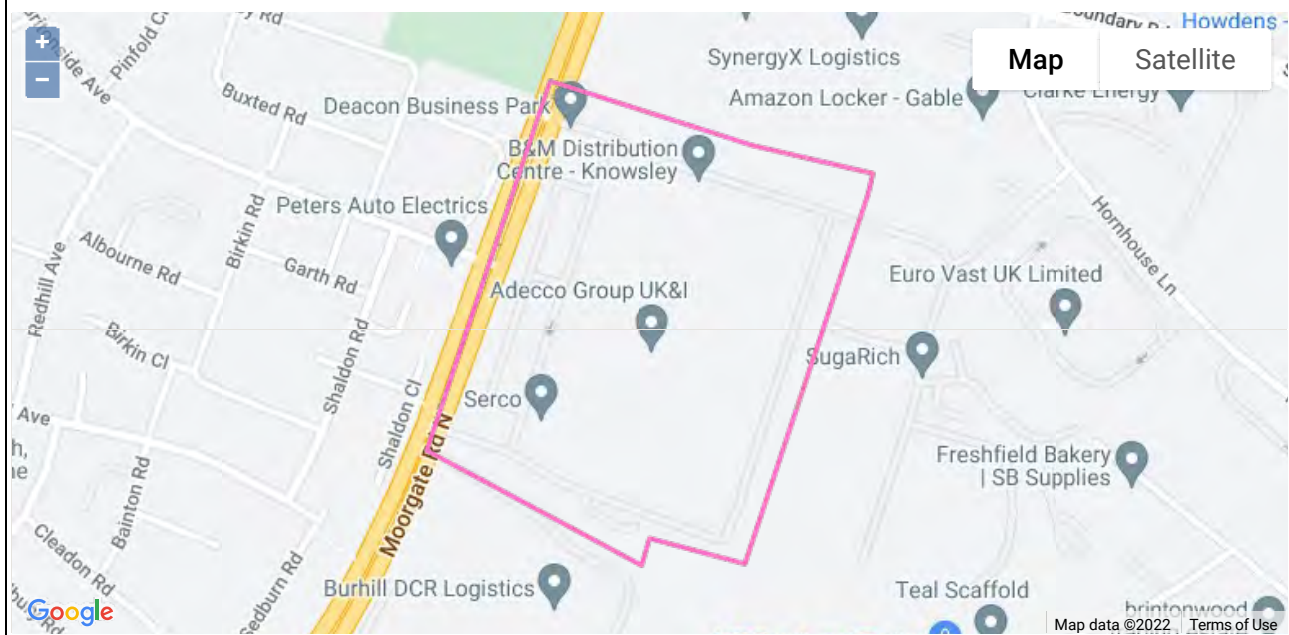
Utility / Service	Included		Utility / Service	Included
Basic Search			Independent Utilities	
Gas	Not Requested		GTC	Yes
Water	Yes		Last Mile	Not Affected
Sewers	Yes		SSE	Not Affected
BT	Yes		Harlaxton	Not Requested
Electricity	Not Requested		Utility Assets	To Follow
3rd Party Searches*	Yes		UK Power Distribution	Not Requested
			Albion Water	Not Affected
Cable Search			ESP	Yes
Vodafone	To Follow		Fulcrum Pipelines	Not Affected
Virgin Media	Yes		Energy Assets	Yes
BSkyB	To Follow		ENGIE	Not Affected
EXA Infrastructure	Not Affected		Leep Utilities	To Follow
Colt	To Follow		Eclipse Power Networks	Yes
Sota	Not Affected			
CGI Logica	Not Affected		Others	
Neos Networks	Yes		CAD Pack	To Follow
City Fibre	Yes		Smart pdf	Not Requested
Arelion	Not Affected		CA & EA Search	Not Requested
Instalcom**	To Follow			
KCom	Not Affected			
Verizon	Yes			
Zayo Group	Not Affected			
Tata Communications	Not Affected			
Gamma	Not Affected			
Gigaclear Plc	Not Affected			
*Includes Utilibilly and Linesearch				
**Includes Level3, GC(UK) Ltd, GC PEC, Fibrenet UK and Fibrespan				
NB: All plans / responses are valid for a maximum of three months unless noted otherwise				

Order Summary

Summary of your utility search details:

Site Name	Deacon Park	
Site Ref	21112022	
Address	Moorgate Road,, Kirby, Knowsley, L33 7RX	
Postcode	L33 7RX	
Grid Ref	E 342529	N 397575

Area Covered



Options Selected		Options Selected	
Gas	X	Independent utilities search - inc non-chargeable searches	✓
Water	✓	Harlaxton	X
Sewer	✓	UK Power Distribution	X
Electric	X		
BT	✓	Coal Authority search	X
3rd Party searches	✓		
		Other Options	
Cable / Fibre searches inc non-chargeable searches	✓	Plans by post	X
Virgin Media	✓	CAD Pack	✓
Vodafone	✓	CAD OS mapping	X
		Smart pdf	✓
		Instant Access Plans	X

WATER & SEWER

Cornerstone Projects Ltd

**91
Market Street, HOYLAKE
Wirral, Merseyside
CH47 5AA**

FAO:

How to contact us:

**United Utilities Water Limited
Property Searches
Haweswater House
Lingley Mere Business Park
Great Sankey
Warrington
WA5 3LP**

Telephone: 0370 7510101

E-mail: propertysearches@uuplc.co.uk

**Your Ref: 21112022
Our Ref: UUPS-ORD-449821
Date: 29/11/2022**

Dear Sirs

Location: 21112022

I acknowledge with thanks your request dated 28/11/2022 for information on the location of our services.

Please find enclosed plans showing the approximate position of United Utilities' apparatus known to be in the vicinity of this site.

The enclosed plans are being provided to you subject to the United Utilities terms and conditions for both the wastewater and water distribution plans which are shown attached.

If you are planning works anywhere in the North West, please read United Utilities' access statement before you start work to check how it will affect our network. <http://www.unitedutilities.com/work-near-asset.aspx>.

I trust the above meets with your requirements and look forward to hearing from you should you need anything further.

If you have any queries regarding this matter please [contact us](#).

Yours Faithfully,



Karen McCormack
Property Searches Manager

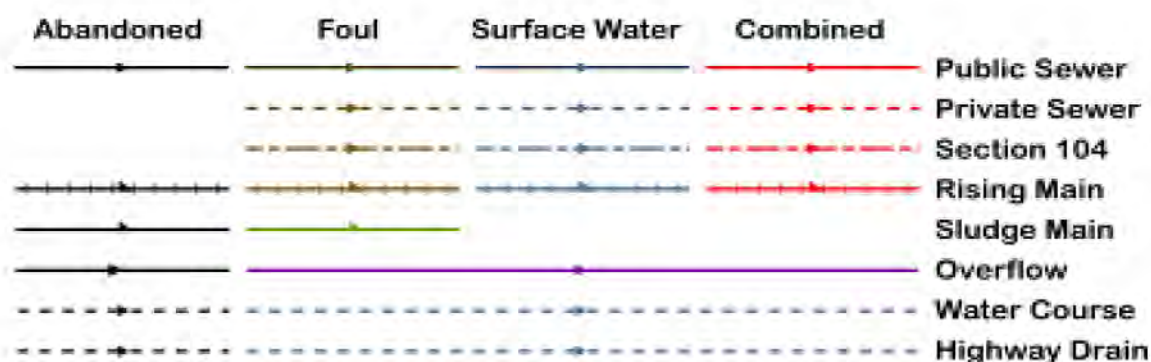
TERMS AND CONDITIONS - WASTEWATER AND WATER DISTRIBUTION PLANS

These provisions apply to the public sewerage, water distribution and telemetry systems (including 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) (UUWL apparatus) of United Utilities Water Limited "(UUWL)".

TERMS AND CONDITIONS:

- This Map and any information supplied with it is issued subject to the provisions contained below, to the exclusion of all others and no party relies upon any representation, warranty, collateral contract or other assurance of any person (whether party to this agreement or not) that is not set out in this agreement or the documents referred to in it.
- This Map and any information supplied with it is provided for general guidance only and no representation, undertaking or warranty as to its accuracy, completeness or being up to date is given or implied.
- In particular, the position and depth of any UUWL apparatus shown on the Map are approximate only. UUWL strongly recommends that a comprehensive survey is undertaken in addition to reviewing this Map to determine and ensure the precise location of any UUWL apparatus. The exact location, positions and depths should be obtained by excavation trial holes.
- The location and position of private drains, private sewers and service pipes to properties are not normally shown on this Map but their presence must be anticipated and accounted for and you are strongly advised to carry out your own further enquiries and investigations in order to locate the same.
- The position and depth of UUWL apparatus is subject to change and therefore this Map is issued subject to any removal or change in location of the same. The onus is entirely upon you to confirm whether any changes to the Map have been made subsequent to issue and prior to any works being carried out.
- This Map and any information shown on it or provided with it must not be relied upon in the event of any development, construction or other works (including but not limited to any excavations) in the vicinity of UUWL apparatus or for the purpose of determining the suitability of a point of connection to the sewerage or other distribution systems.
- No person or legal entity, including any company shall be relieved from any liability howsoever and whensoever arising for any damage caused to UUWL apparatus by reason of the actual position and/or depths of UUWL apparatus being different from those shown on the Map and any information supplied with it.
- If any provision contained herein is or becomes legally invalid or unenforceable, it will be taken to be severed from the remaining provisions which shall be unaffected and continue in full force and affect.
- This agreement shall be governed by English law and all parties submit to the exclusive jurisdiction of the English courts, save that nothing will prevent UUWL from bringing proceedings in any other competent jurisdiction, whether concurrently or otherwise.

Wastewater Symbolology



All point assets follow the standard colour convention: **red** – combined **brown** - foul
blue – surface water **purple** - overflow

Manhole	Side Entry Manhole
Head of System	Outfall
Extent of Survey	Screen Chamber
Rodding Eye	Inspection Chamber
Inlet	Bifurcation Chamber
Discharge Point	Lamp Hole
Vortex	T Junction / Saddle
Penstock	Catchpit
Washout Chamber	Valve Chamber
Valve	Vent Column
Air Valve	Vortex Chamber
Non Return Valve	Penstock Chamber
Soakaway	Network Storage Tank
Gully	Sewer Overflow
Cascade	Ww Treatment Works
Flow Meter	Ww Pumping Station
Hatch Box	Septic Tank
Oil Interceptor	Control Kiosk
Summit	
Drop Shaft	Change of Characteristic
Orifice Plate	



Water for the North West

SEWER RECORDS

Address or Site Reference

21112022,

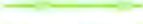
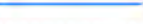
Scale: 1:2500
Date: 29/11/2022

Printed by: Property Searches

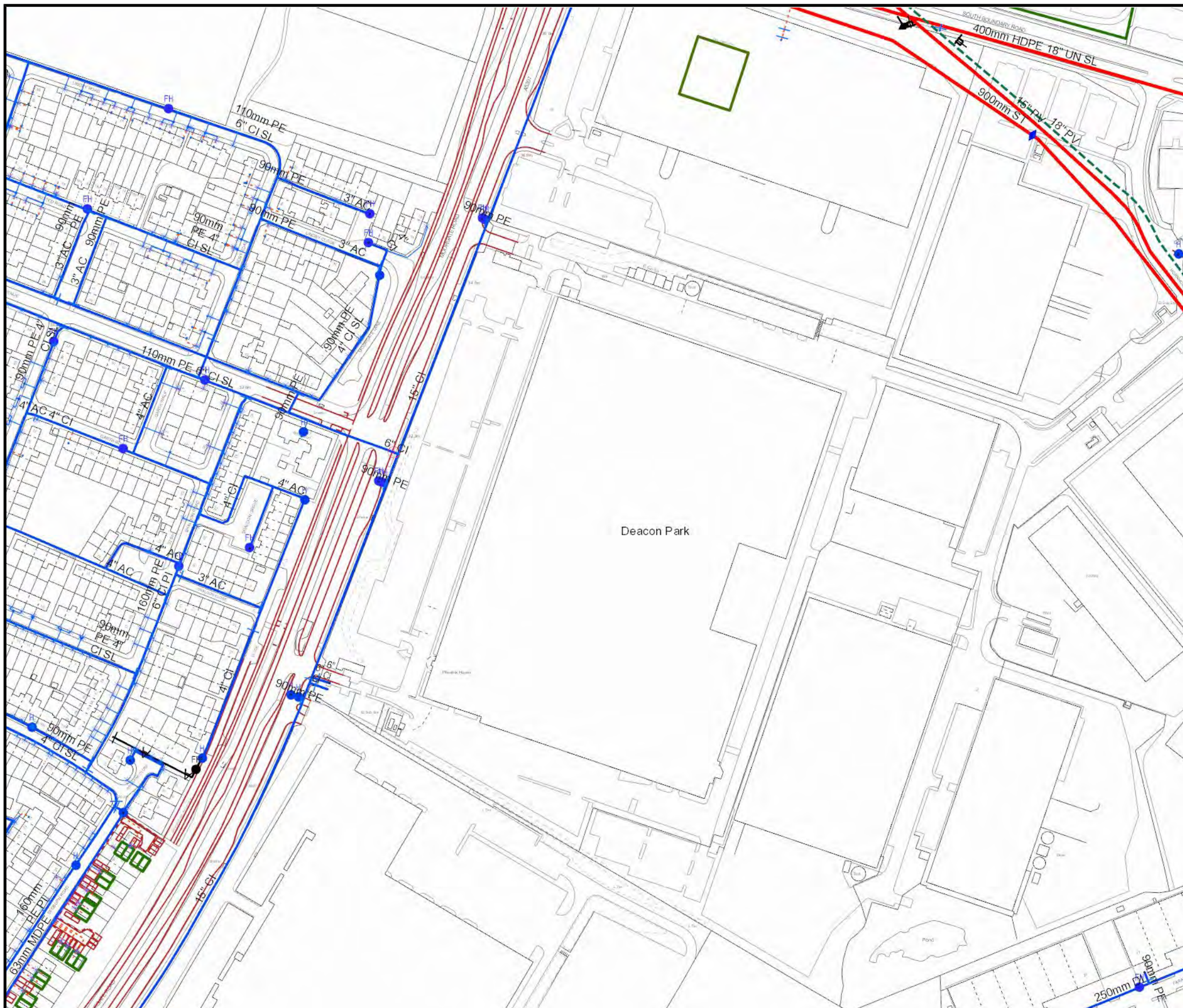
The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown.

Crown copyright and database rights 2017
Ordnance Survey 100022432. Unauthorised
reproduction will infringe these copyrights.

Clean Water Symbolology

Proposed	Abandoned	Live	
			Distribution Main
			Trunk Main
			Comms Pipe
			Private Pipe
			Concessionary Service
			Raw Water
			LDTM Raw Water
			LDTM Treated Water
			Air Valve
			AC Valve, open
			AC Valve, closed
			CC Valve, open
			CC Valve, closed
			Non Return Valve
			Pressure Management Valve
			OMS Valve
			Stop Tap
			Flow Meter
			Domestic Meter
			Commercial Meter
			Pump
			Hydrant
			Fire Hydrant
			Anode
			Chlorination Point
			De-chlorination Point
			Strainer Point
			Access Point
			Hatch Box
			IP Point
			Sampling Station
			Logger Box
			Bore Hole
			Inlet Point
			Bulk Supply Point
			End Cap
			Site Termination
			Change of Characteristic
			Condition Report
			<u>Property Types</u>
			Water Tower
			Valve House
			Booster Pumping Station
			Intake Pumping Station
			Water Treatment Works
			Supply Reservoir
			Service Reservoir
			Impounding Reservoir
			Pipe Bridge

Symbology for proposed assets is the same as above, but shown in **green**
Symbology for abandoned assets is the same as above, but shown in **black**



Water for the North West

WATER MAIN RECORDS

Address or Site Reference

21112022,

Scale: 1:2500
Date: 29/11/2022

Printed by: Property Searches

The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown.

Crown copyright and database rights 2017
Ordnance Survey 100022432. Unauthorised
reproduction will infringe these copyrights.

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,

Openreach Plant Maps Requested

NewSite Office (addresses can be found on [the New Developments contact page](#))

Dear Sir/Madam,

You have downloaded copies of our drawings marked up to show the approximate location of Openreach 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 Openreach 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 Openreach plant. Please ensure that our equipment is not enclosed, blocked, covered or otherwise obstructed by your plant. In the event of clearance not being adequate we anticipate that your plant is either resited, or an order is placed with Openreach for rearrangements of its plant. If there are any difficulties with the Map please email cbyd@openreach.co.uk

Please contact our Network Protection Service by Email on cbyd@openreach.co.uk giving four calendar weeks notice of your commencement date. This will provide you with on-site advice and a check of location for any Openreach apparatus.

Further to this, I hope the following points will assist you at the new development: -

Openreach has a licence obligation to provide service to any end customer requiring a connection. A Developer would not normally be charged for provision of service, our standard connection charges would apply to the end user when orders are placed with the communication provider of choice. However, should a Developer insist on an underground service in an area where Openreach plant is provided overhead, charges may be incurred.

When the Developer has obtained contract and planning permission Openreach would request a 'Clean', scaled Site Layout, Location Map and a covering letter be sent to the relevant newSite Office. We would particularly request that you give details of your programmed site start date and likely first occupancy date where possible. To obtain contact details of the newSite office covering the development area click on the URL below.

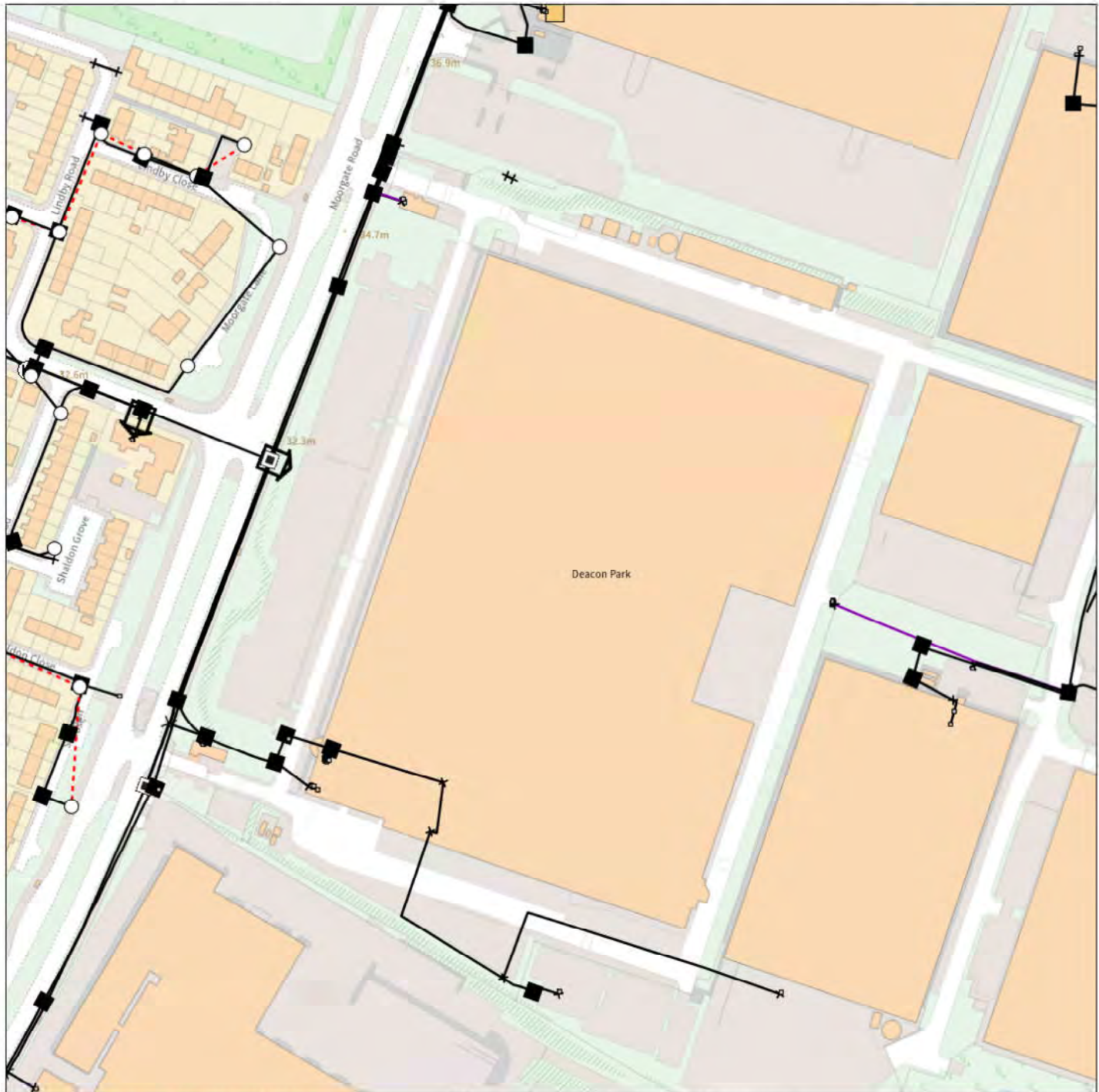
<http://www.newdevelopments-openreach.co.uk/ContactUs.aspx>

Where a development affects existing Openreach apparatus in the public highway, the cost of any necessary protection or diversionary works must be borne by the Developer. In this case where a budget estimate is required a Site Plan, Location Map and a covering letter should be forwarded to the Repayments Project Office. Please visit www.openreach.co.uk/alterationscontacts for contact details of the Repayments Office covering the development area.

Yours faithfully,

Openreach newSites

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

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

Accidents happen

If you do damage any Openreach equipment please let us know by calling 0800 023 2023 (opt 1 + opt 1) and we can get it fixed ASAP

KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling		Built	
Pole			Duct Tee		Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
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. Maps are only valid for 90 days after the date of publication.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct					N/A	

BT Ref : ZVZ09469P

Map Reference : (centre) SJ4252997575

Easting/Northing : (centre) 342529,397575

Issued : 28/11/2022 09:46:17

Reproduced from the Ordnance Survey map by BT
by permission of Ordnance Survey on behalf of the
Controller of Her Majesty's Stationary Office
(C) Crown Copyright British Telecommunications plc 100028040

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

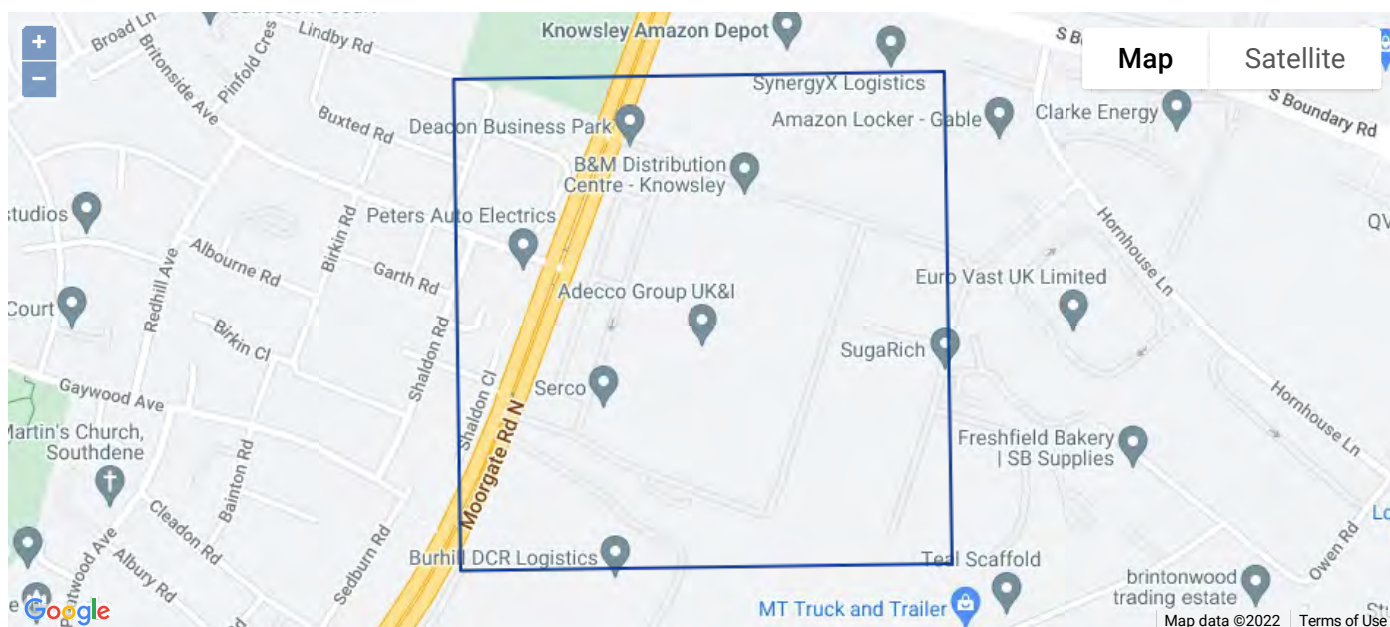
THIRD PARTY SEARCHES



Search requested by:		Date / Time: Mon, 28 Nov 2022 8:36	
Name	DUNCAN	Company	CORNERSTONE PROJECTS LTD
Address	91 Market Street, Hoylake, Wirral, CH47 5AA		
Email	searches@cornerstoneprojects.co.uk	Telephone	01516325142

Search details:			
Site Name	21112022	Work type	Other
Site Ref. No 1	21112022	Site Ref. No 2	
Address	, L33 7RX		
Grid Reference	342529 / 397573		

Search area:



There are no affected Utilibilly asset owners.

Unaffected Utilibilly asset owners:
Albion Water
SOTA
Telent
KCom
Cholderton Water
Leep Utilities
CGI Logica
Engie
Enviroenergy
Wight Fibre
Gwent Farmers' Community Solar Partnership Ltd

Enquirer

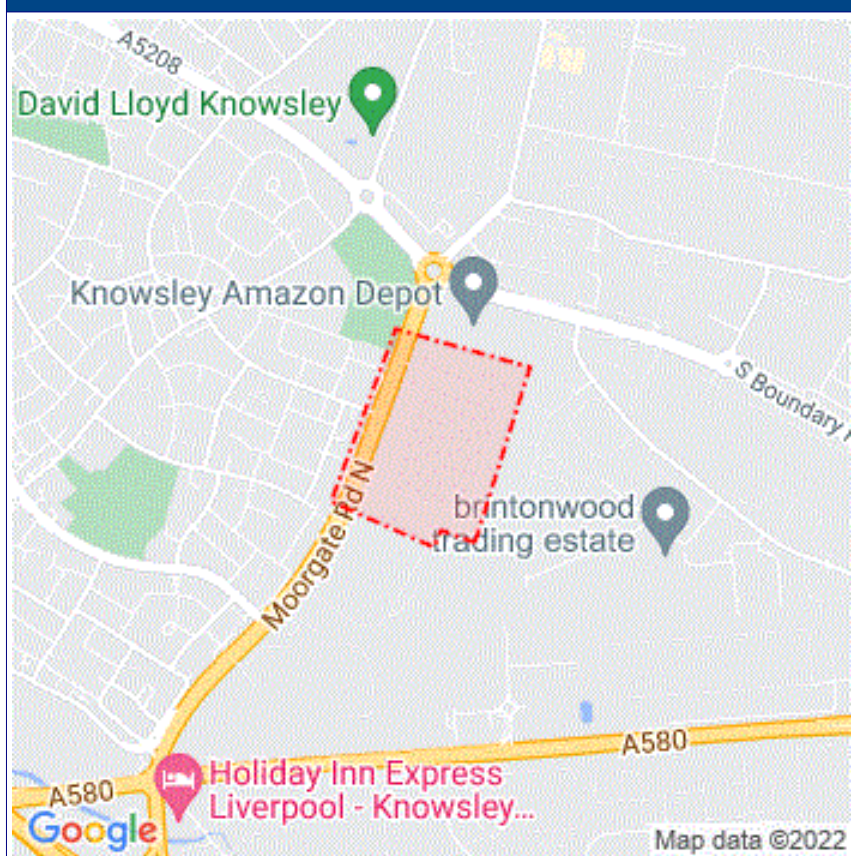
Name	Mr Duncan Phillips	Phone	0151 632 5142
Company	Cornerstone Projects Ltd	Mobile	Not Supplied
Address	91 Market Street Hoylake Wirral Merseyside CH47 5AA		
Email	searches@cornerstoneprojects.co.uk		

Enquiry Details

Scheme/Reference	21112022		
Enquiry type	Initial Enquiry	Work category	Development Projects
Start date	30/11/2022	Work type	Commercial/industrial
End date	31/12/2022	Site size	154281 metres square
Searched location	XY= 342529, 397575	Work type buffer*	75 metres
Confirmed location	342518 397579		
Site Contact Name	Not Supplied	Site Phone No	Not Supplied
Description of Works			

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

Site Map



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.

Notes. Please ensure your contact details are correct and up to date on the system in case the LSBUD Members need to contact you.

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.

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
Cadent Gas	0800688588	0800111999	Await response
Energy Assets Networks	Gas 01506425362 Electricity 03336662008	Gas 0800111999 Electricity 03338002016	Await response
ESP Utilities Group	01372227560	01372227560	Await response
Neos Networks	03453053337	03453053337	Await response
SP Energy Networks	08452734444	08000929290 / 105	Await response

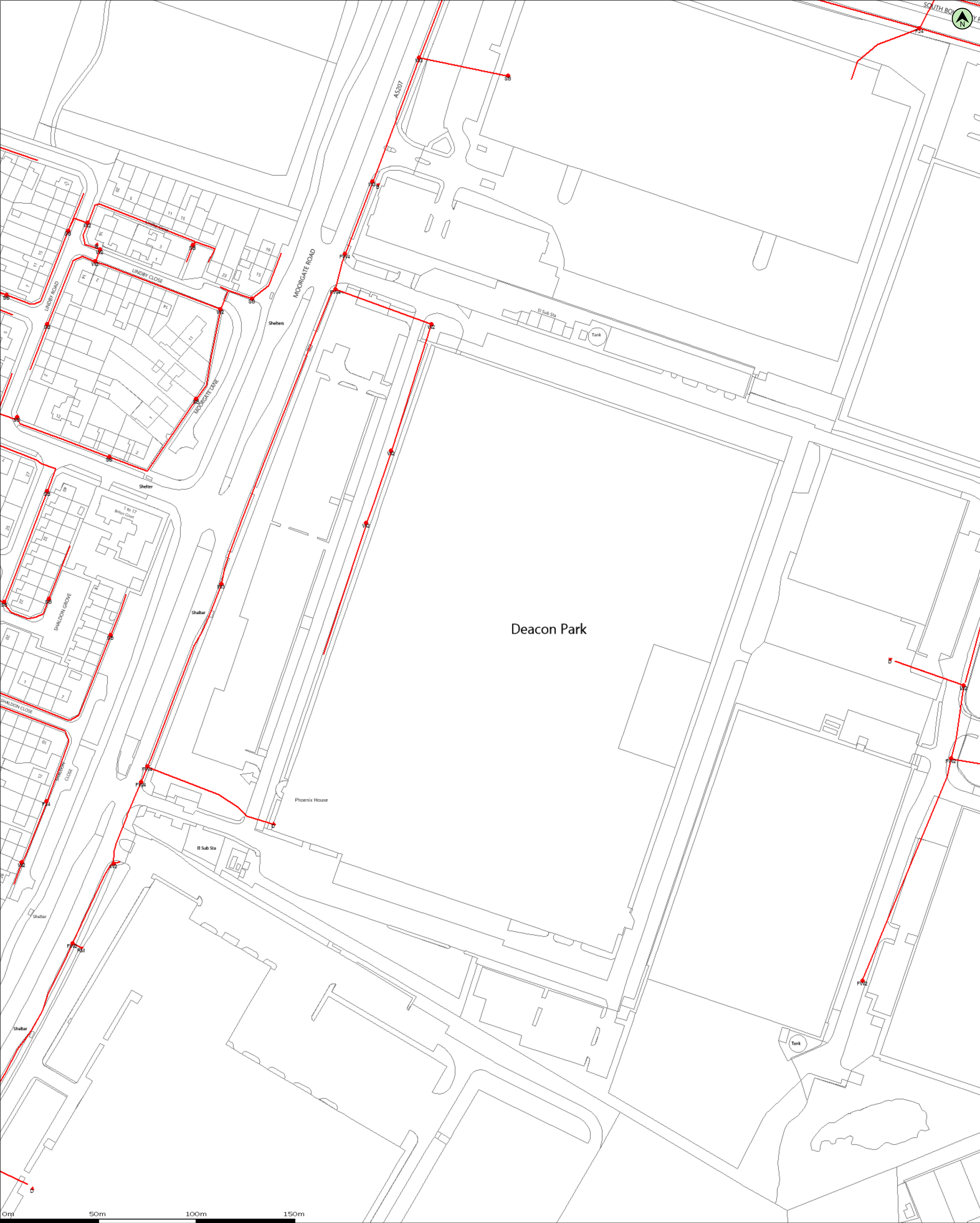
LSBUD Members who do not have assets registered on the LSBUD service within the vicinity of your search area. Please be aware that LSBUD Members make regular changes to their assets and this list may vary for new enquiries in the same area.

List of not affected LSBUD members

Angus Energy	AWE Pipeline	B & D Energy Limited
Balfour Beatty Investments Limited	BOC Limited (A Member of the Linde Group)	Box Broadband
BP Exploration Operating Company Limited	BPA	Carrington Gas Pipeline
CATS Pipeline c/o Wood Group PSN	Cemex	Centrica Storage Ltd
CNG Services Ltd	Concept Solutions People Ltd	ConocoPhillips (UK) Teesside Operator Ltd
D.S.Smith	Diamond Transmission Corporation	DIO (MOD Abandoned Pipelines)
DIO (MOD Live Pipelines)	E.ON UK CHP Limited	EDF Energy Renewables Ltd
EirGrid	Eleclink Limited	Electricity North West Limited
ENI & Himor c/o Penspen Ltd	EnQuest NNS Limited	EP Langage Limited
ESSAR	Esso Petroleum Company Limited	euNetworks Fiber UK Ltd
EXA Infrastructure	Exolum Pipeline System	Fulcrum Electricity Assets Limited
Fulcrum Pipelines Limited	Gamma	Gas Networks Ireland (UK)
Gateshead Energy Company	Gigaclear Ltd	Harbour Energy
Heathrow Airport LTD	Humbly Grove Energy	IGas Energy
INEOS FPS Pipelines	INEOS Manufacturing (Scotland and TSEP)	INOVYN ChlorVinyls Limited
INOVYN Enterprises Limited	Intergen (Coryton Energy or Spalding Energy)	Jurassic Fibre Ltd
Last Mile	Mainline Pipelines Limited	Manchester Jetline Limited
Manx Cable Company	Marchwood Power Ltd (Gas Pipeline)	Melbourn Solar Limited
Moray East Offshore Windfarm	MUA Group Limited	National Grid Electricity Distribution
National Grid Electricity Transmission	National Grid Gas Transmission	Northumbrian Water Group
NPower CHP Pipelines	NTT Global Data Centers EMEA UK Ltd	NYnet Ltd
Ogi	Oikos Storage Limited	Ørsted
Palm Paper Ltd	Perenco UK Limited (Purbeck Southampton Pipeline)	Petroineos
Phillips 66	Portsmouth Water	Premier Transmission Ltd (SNIP)
Redundant Pipelines - LPDA	RWE - Great Yarmouth Pipeline (Bacton to Great	RWEnpower (Little Barford and South Haven)

	Yarmouth Power Station)	
SABIC UK Petrochemicals	SAS Utility Services Ltd	Scottish and Southern Electricity Networks
Scottish Power Generation	Seabank Power Ltd	SES Water
SGN	Shell	Shell NOP
Squire Energy Networks	SSE Generation Ltd	SSE Transmission
SSE Utility Solutions Limited	Tata Communications (c/o JSM Construction Ltd)	Total Colnbrook Pipelines
Total Finaline Pipelines	Transmission Capital	UK Power Networks
Uniper UK Ltd	University of Cambridge Granta Backbone Network	Vattenfall
Veolia ES SELCHP Limited	Veolia ES Sheffield Ltd	Voneus Limited
VPI Power Limited	Wales and West Utilities	West of Duddon Sands Transmission Ltd
Westminster City Council	Zayo Group UK Ltd c/o JSM Group Ltd	

CABLE



(c) Crown copyright and database rights 2022 Ordnance Survey 100019209
Data updated: 03/10/22

Scale: 1:1250
Map Centre: 342529.397575

Date: 28/11/22
Our Ref: 1014652 - 7

Telecoms Plan A2
Powered by digdat

Duct, Trench

Chamber / Pole

Cabinet

duncan@cornerstoneprojects.co.uk

21112022



Important Information - please read The purpose of this plan is to identify Virgin Media apparatus. We have tried to make it as accurate as possible but we cannot warrant its accuracy. In addition, we caution that within Virgin Media apparatus there may be instances where mains voltage power cables have been placed inside green, rather than black ducting. Further details can be found using the "Affected Postcodes.pdf", which can be downloaded from this website. Therefore, you must not rely solely on this plan if you are carrying out any excavation or other works in the vicinity of Virgin Media apparatus. The actual position of any underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used. Accordingly, unless it is due to the negligence of Virgin Media, its employees or agents, Virgin Media will not have any liability for any omissions or inaccuracies in the plan or for any loss or damage caused or arising from the use of and/or any reliance on this plan. This plan is produced by Virgin Media Limited (c) Crown copyright and database rights 2022 Ordnance Survey 100019209.

Our Ref: 27748716 Your Ref: 21112022

Monday, 28 November 2022

Duncan Phillips
91 Market Street Hoylake
Wirral
Merseyside
CH47 5AA

Dear Duncan Phillips

Neos Networks - Asset Network Plans

We acknowledge with thanks your request for information on the location of our assets.

We have attached a plan showing the location of Neos Networks apparatus in the proposed work area for your information. If the map provided is missing any required information e.g. a background map, then please email C2requests@neosnetworks.com who will provide a more detailed map.

If you're laying your own services, please use the map provided showing our apparatus and follow your safe dig procedures. There is no need to contact us for permission to dig or arrange any supervision.

If you have determined your works may impact our existing apparatus, then please contact alterations@neosnetworks.com for a Budget Estimate. For us to provide you with a Budget Estimate we will require the following information in order to progress your query as quickly and as efficiently as possible:

- A covering letter or details on the email
- Plans / maps showing existing & proposed conditions (min 1:500 scale and PDF format if emailed)
- Scheme cost apportionment information with confirmation of who the works principal is (the person or company funding your project)

Neos Networks will respond with a Budget Fee letter (if your scheme falls outside of NRSWA) showing the payment required to prepare a Budget Estimate.

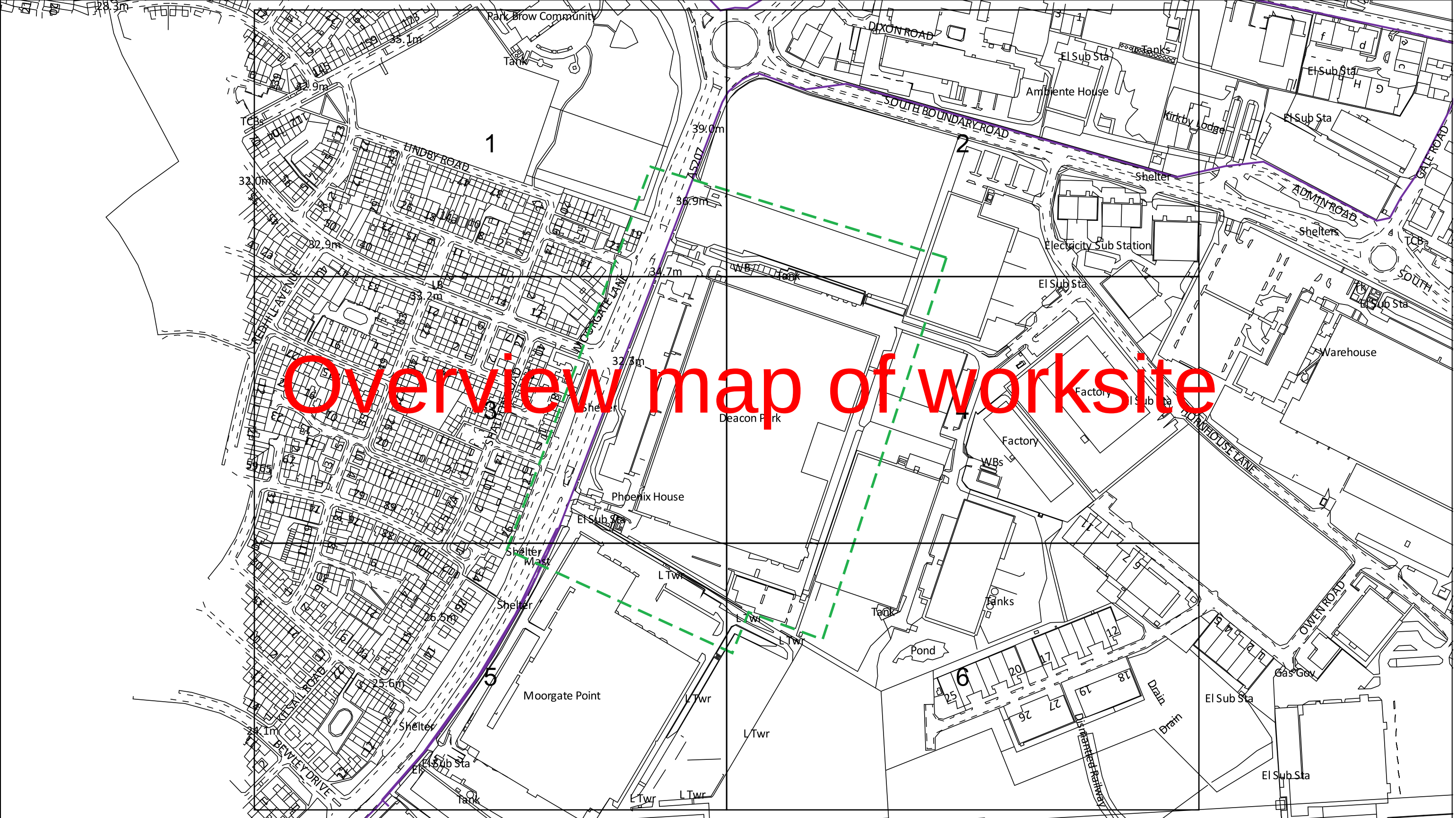
Yours sincerely

Neos Networks Team

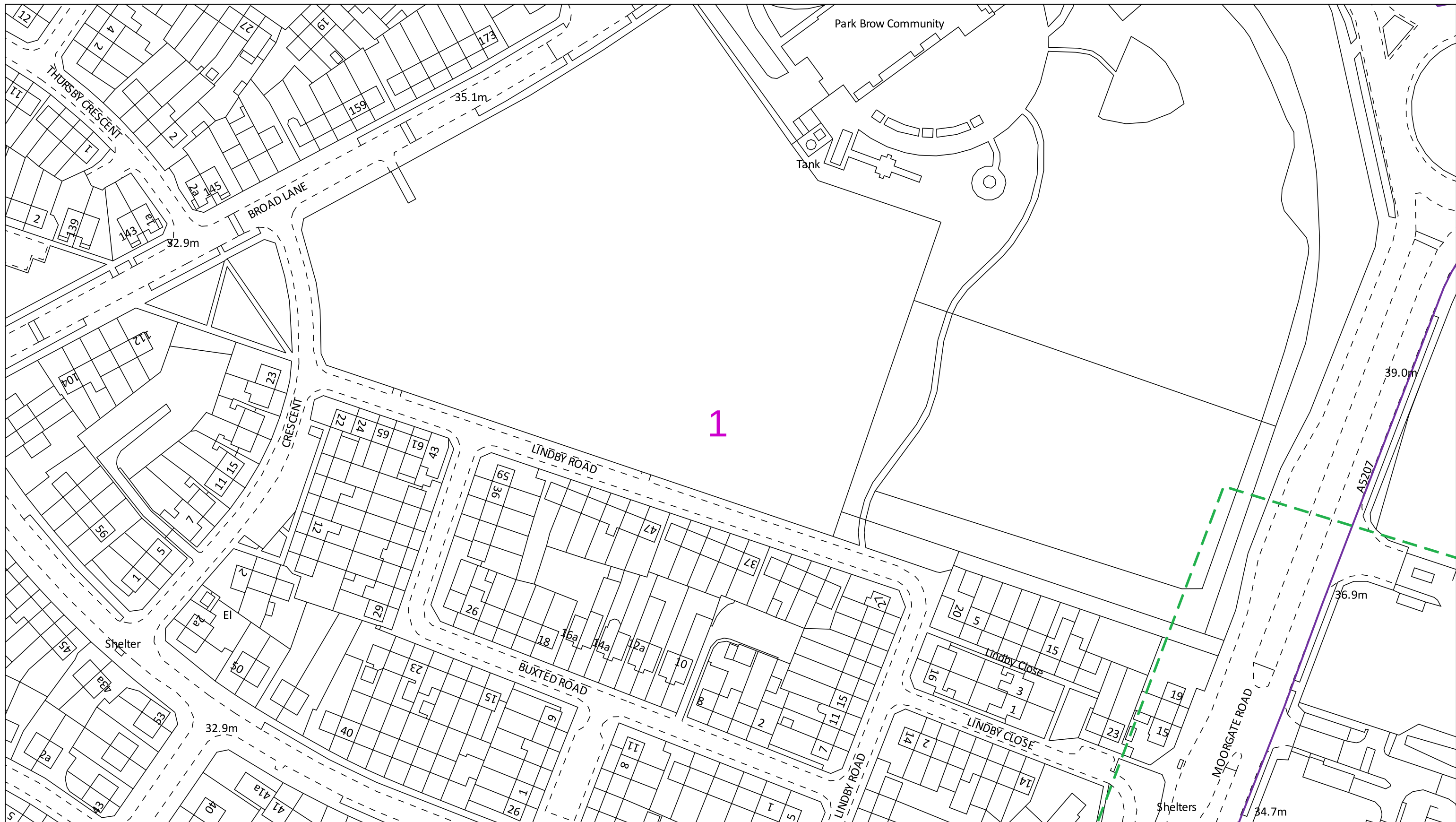
Address: Neos Networks, 4 Penner Road, Havant, Hampshire, PO9 1QH
Telephone: 023 92 494 923
Email: C2requests@neosnetworks.com

For more information, visit our website:

<https://neosnetworks.com/our-network/plant-enquires>



Dig Sites Area:  Line:  The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.		  Registered Office: Inveralmond House, 200 Dunkeld Road, Perth, PH1 3AQ
Date Requested: 28/11/2022 Job Reference: 27748716 Site Location: 342518 397579 Requested by: Mr Duncan Phillips Your Scheme/Reference: 21112022 Scale: 1:3844 (When plotted at A3)	The information on this document is proprietary and shall not be used, copied, reproduced or disclosed in whole or in part without written consent of Neos Networks. Approximate location only is shown. To determine exact location a trial hole must be dug with a Neos Networks Supervisor present. Neos Networks accept no liability for errors or omissions.  Neos Network Underground Route Emergency Number: 0345 305 3337	
Some of the material on this plot has been reproduced from an Ordnance Survey map with permission of the Controller of Her Majesty's Stationery Office, © Crown Copyright. Licence No. 0100048661 Warning: PDF designed for colour print only with no page scaling. This Information is given as a guide only and its accuracy cannot be guaranteed Plans generated by DigSAFE Pro™ software provided by LinesearchbeforeUdig.		



Dig Sites Area:  Line: 

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.



Date Requested: 28/11/2022
Job Reference: 27748716
Site Location: 342518 397579

Requested by:
Mr Duncan Phillips
Your Scheme/Reference: 21112022

The information on this document is proprietary and shall not be used, copied, reproduced or disclosed in whole or in part without written consent of Neos Networks. Approximate location only is shown. To determine exact location a trial hole must be dug with a Neos Networks Supervisor present. Neos Networks accept no liability for errors or omissions.

Scale: 1:1250 (When plotted at A3)

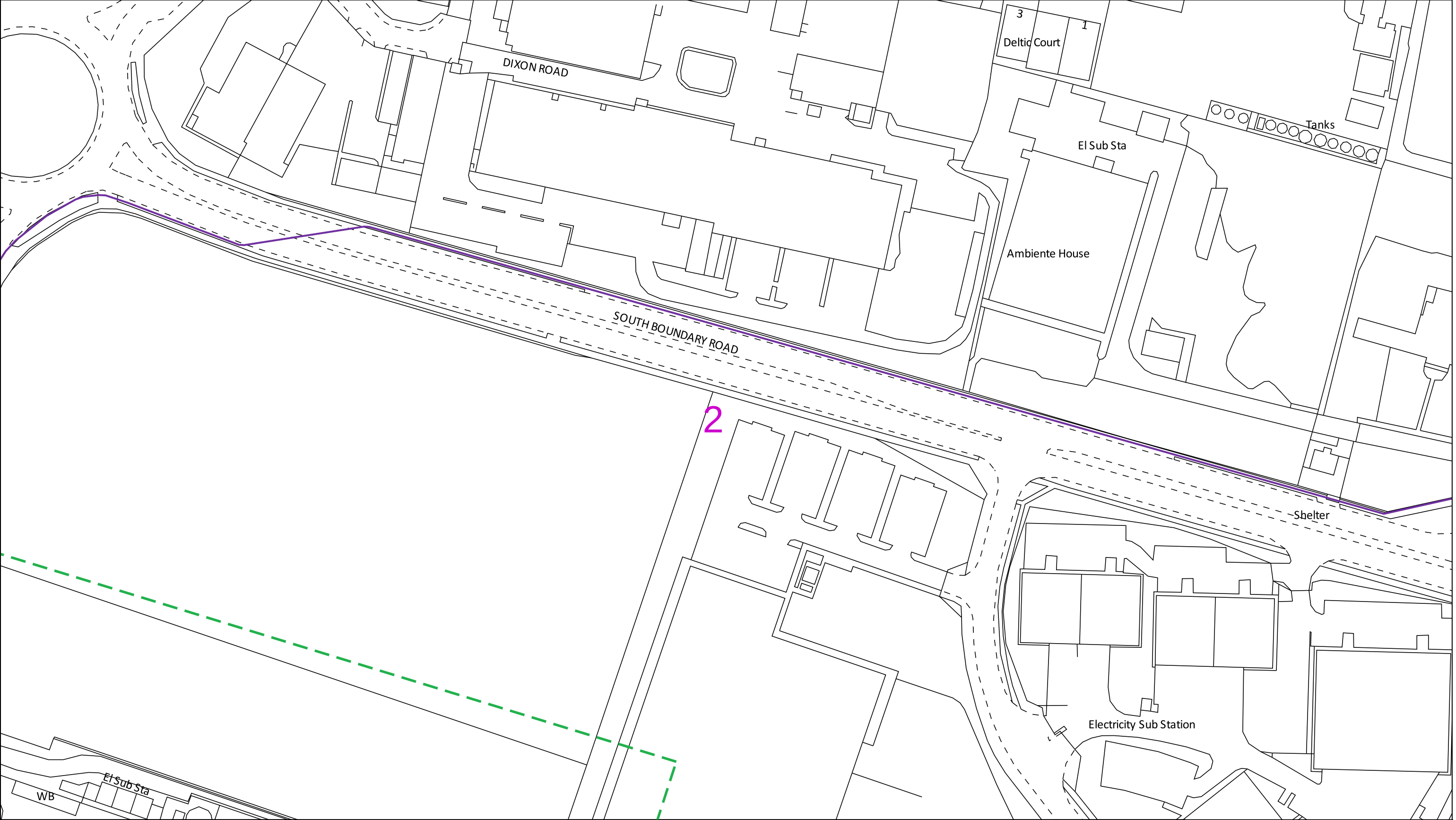
Neos Network Underground Route

Emergency Number: 0345 305 3337

Registered Office:

Inveralmond House,
200 Dunkeld Road,
Perth, PH1 3AQ

Some of the material on this plot has been reproduced from an Ordnance Survey map with permission of the Controller of Her Majesty's Stationery Office, © Crown Copyright. Licence No. 0100048661
Warning: PDF designed for colour print only with no page scaling. This Information is given as a guide only and its accuracy cannot be guaranteed
Plans generated by DigSAFE Pro™ software provided by LinesearchbeforeUdig.



0100m

Dig Sites

Area: ---- Line: ----

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.

Date Requested: 28/11/2022

Job Reference: 27748716

Site Location: 342518 397579

Requested by:

Mr Duncan Phillips

Your Scheme/Reference: 21112022

Scale: 1:1250 (When plotted at A3)

The information on this document is proprietary and shall not be used, copied, reproduced or disclosed in whole or in part without written consent of Neos Networks. Approximate location only is shown. To determine exact location a trial hole must be dug with a Neos Networks Supervisor present. Neos Networks accept no liability for errors or omissions.

Neos Network Underground Route

Emergency Number: 0345 305 3337

N

E

S

W

NEOS

NETWORKS

Registered Office:

Inveralmond House,

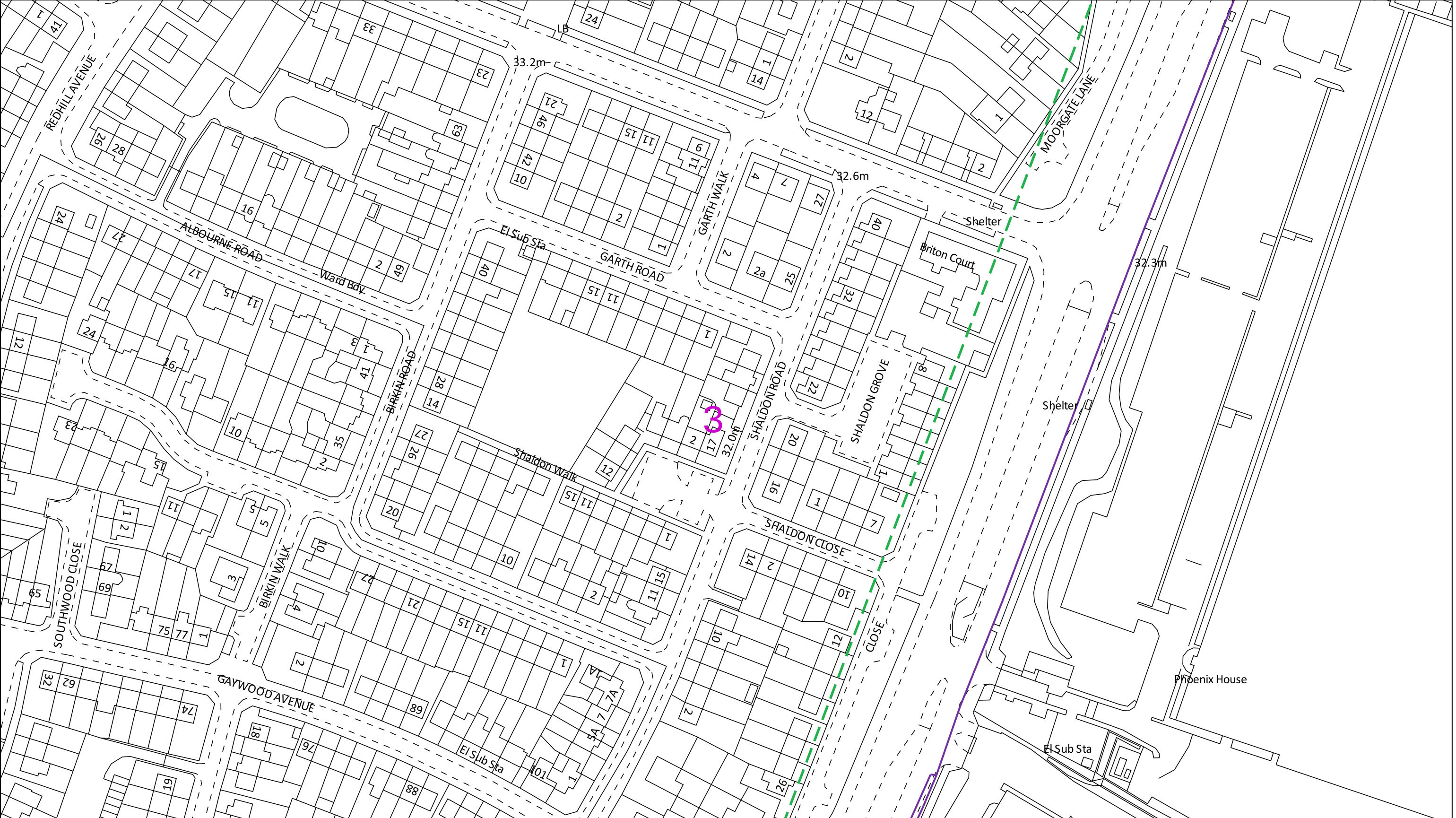
200 Dunkeld Road,

Perth, PH1 3AQ

Some of the material on this plot has been reproduced from an Ordnance Survey map with permission of the Controller of Her Majesty's Stationery Office, © Crown Copyright. Licence No. 0100048661

Warning: PDF designed for colour print only with no page scaling. This Information is given as a guide only and its accuracy cannot be guaranteed

Plans generated by DigSAFE Pro™ software provided by LinesearchbeforeUdig.



Dig Sites Area: ---- Line: ----

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.



Date Requested: 28/11/2022
Job Reference: 27748716
Site Location: 342518 397579

Requested by:
Mr Duncan Phillips
Your Scheme/Reference: 21112022

The information on this document is proprietary and shall not be used, copied, reproduced or disclosed in whole or in part without written consent of Neos Networks. Approximate location only is shown. To determine exact location a trial hole must be dug with a Neos Networks Supervisor present. Neos Networks accept no liability for errors or omissions.

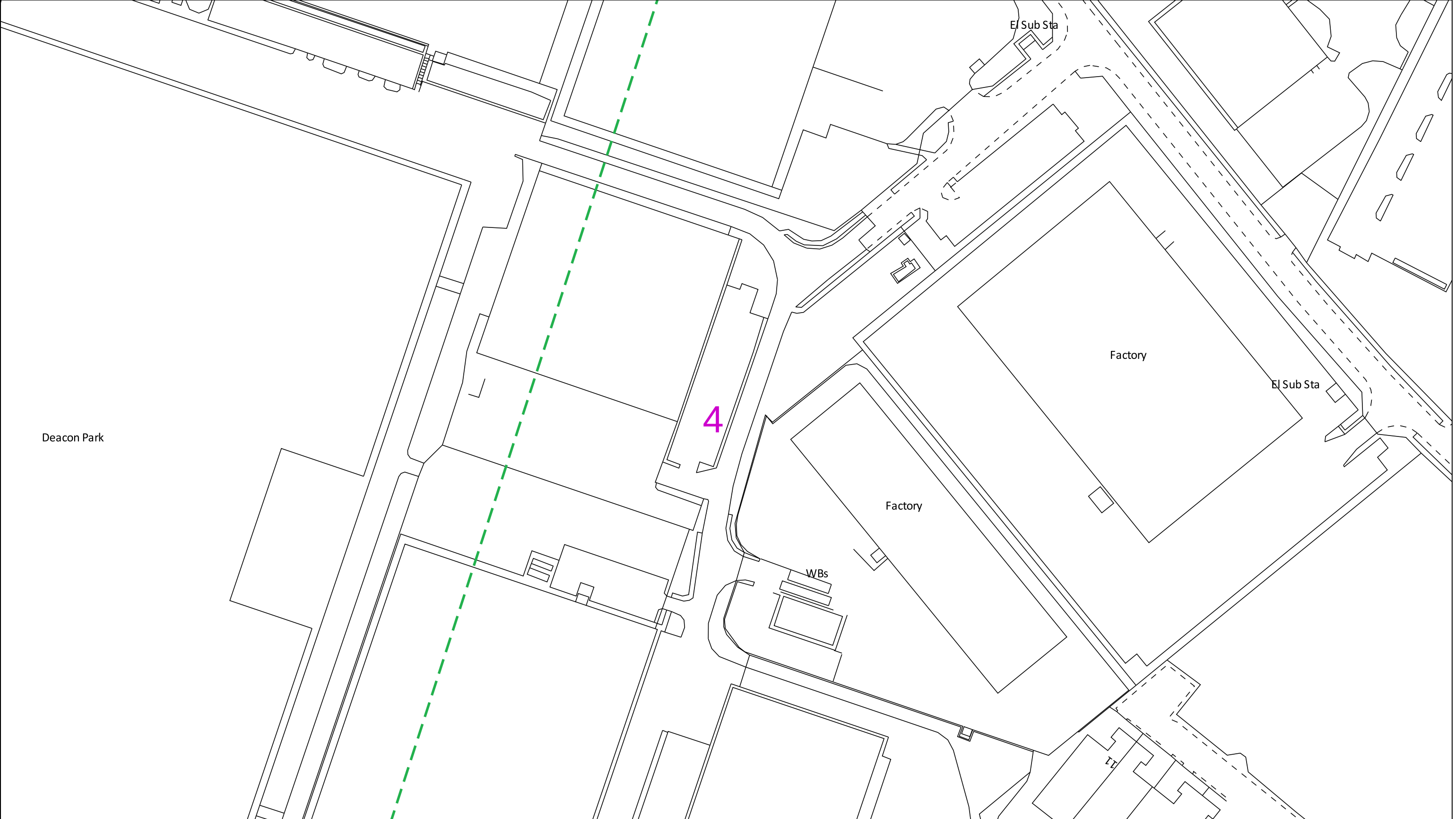
Scale: 1:1250 (When plotted at A3)

————— Neos Network Underground Route

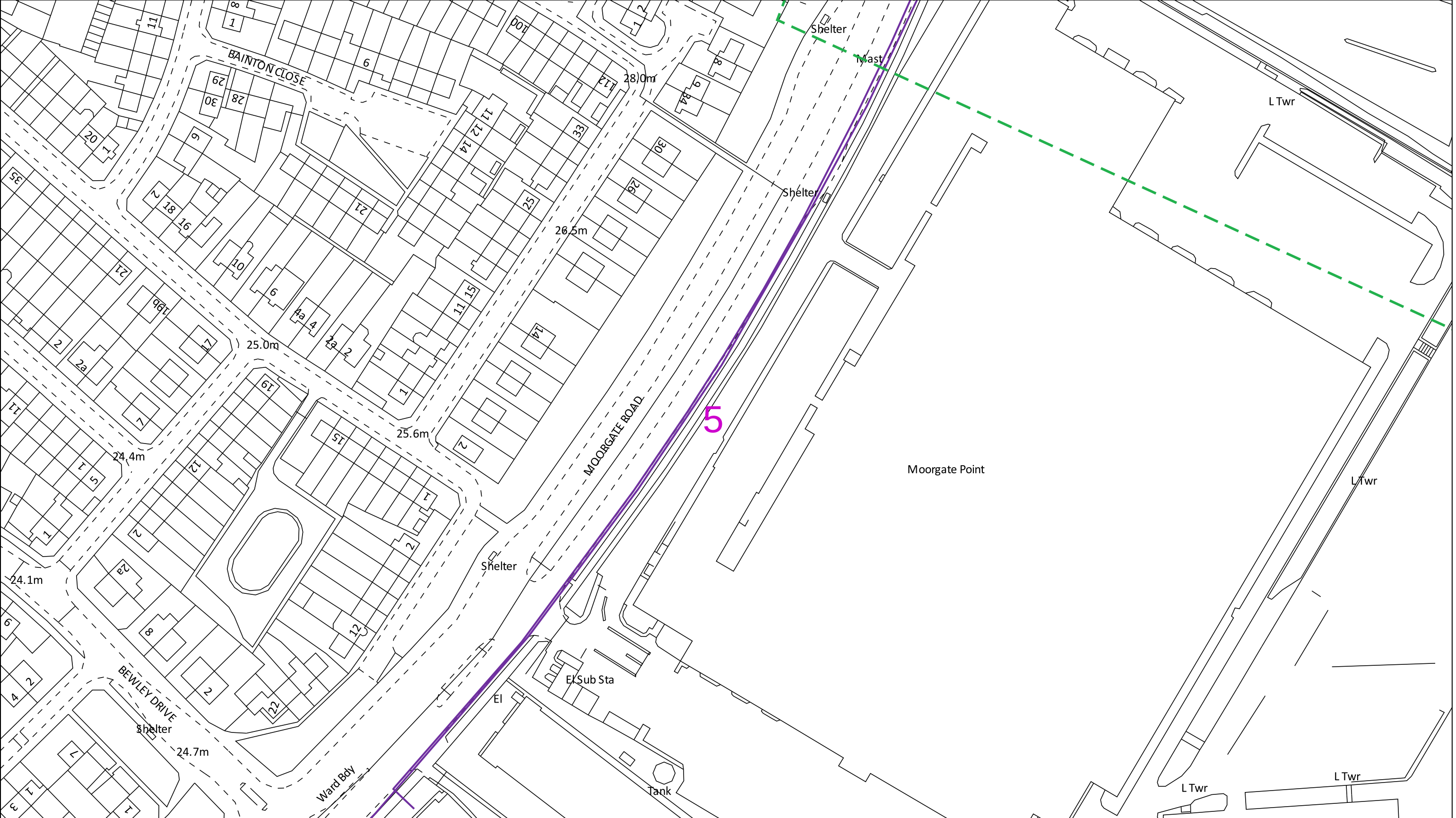
Emergency Number: 0345 305 3337

Registered Office:

Inveralmond House,
200 Dunkeld Road,
Perth, PH1 3AQ



0  100 m Dig Sites Area:  Line:  The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.			
Date Requested: 28/11/2022 Job Reference: 27748716 Site Location: 342518 397579 Requested by: Mr Duncan Phillips Your Scheme/Reference: 21112022	The information on this document is proprietary and shall not be used, copied, reproduced or disclosed in whole or in part without written consent of Neos Networks. Approximate location only is shown. To determine exact location a trial hole must be dug with a Neos Networks Supervisor present. Neos Networks accept no liability for errors or omissions.		
 Neos Network Underground Route		Emergency Number: 0345 305 3337	
Scale: 1:1250 (When plotted at A3) Some of the material on this plot has been reproduced from an Ordnance Survey map with permission of the Controller of Her Majesty's Stationery Office, © Crown Copyright. Licence No. 0100048661 Warning: PDF designed for colour print only with no page scaling. This Information is given as a guide only and its accuracy cannot be guaranteed Plans generated by DigSAFE Pro™ software provided by LinesearchbeforeUdig.			



0100m

Dig SitesArea:Line:

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.

Date Requested: 28/11/2022

Job Reference: 27748716

Site Location: 342518 397579

Requested by:

Mr Duncan Phillips

Your Scheme/Reference: 21112022

The information on this document is proprietary and shall not be used, copied, reproduced or disclosed in whole or in part without written consent of Neos Networks. Approximate location only is shown. To determine exact location a trial hole must be dug with a Neos Networks Supervisor present. Neos Networks accept no liability for errors or omissions.

Neos Network Underground Route

Emergency Number: 0345 305 3337

N

W

E

S

NEOS NETWORKS

Registered Office:

Inveralmond House,

200 Dunkeld Road,

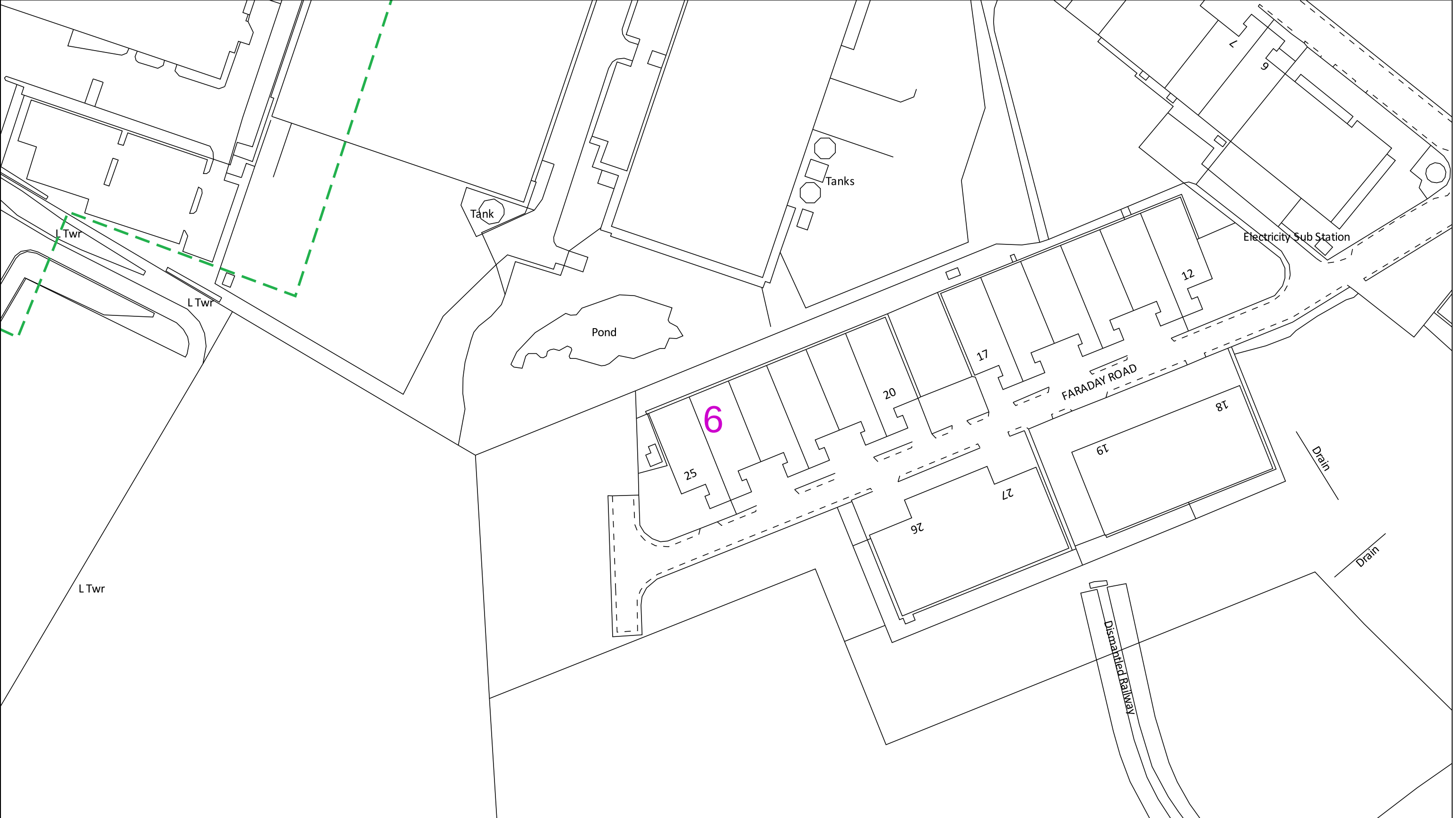
Perth, PH1 3AQ

Scale: 1:1250 (When plotted at A3)

Some of the material on this plot has been reproduced from an Ordnance Survey map with permission of the Controller of Her Majesty's Stationery Office, © Crown Copyright. Licence No. 0100048661

Warning: PDF designed for colour print only with no page scaling. This Information is given as a guide only and its accuracy cannot be guaranteed

Plans generated by DigSAFE Pro™ software provided by LinesearchbeforeUdig.



0100 m

Dig Sites

Area: Line:

Date Requested: 28/11/2022
Job Reference: 27748716
Site Location: 342518 397579

Requested by:
Mr Duncan Phillips
Your Scheme/Reference: 21112022

Scale: 1:1250 (When plotted at A3)

Neos Network Underground Route

Emergency Number: 0345 305 3337

N

E

S

W

NEOS
NETWORKS

Registered Office:

Inveralmond House,
200 Dunkeld Road,
Perth, PH1 3AQ

Some of the material on this plot has been reproduced from an Ordnance Survey map with permission of the Controller of Her Majesty's Stationery Office, © Crown Copyright. Licence No. 0100048661

Warning: PDF designed for colour print only with no page scaling. This Information is given as a guide only and its accuracy cannot be guaranteed

Plans generated by DigSAFE Pro™ software provided by LinesearchbeforeUdig.

Searches - Cornerstone Projects Ltd

From: online.plantenquiries@cityfibre.com
Sent: 28 November 2022 09:51
To: searches@cornerstoneprojects.co.uk
Subject: CityFibre Plant Enquiry, issued on 11/28/22 9:50 AM. Reference f5bb349b-c08b-49dc-a272-2335d861be39.
Attachments: emap.pdf

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

Reference f5bb349b-c08b-49dc-a272-2335d861be39

User: User

Title: 21112022

Comment:

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

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

Please see the points of contact below if they are required:

Plant Enquiries
Rutherford House
Birchwood Park
Warrington
WA3 6ZH
asset.team@cityfibre.com

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

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

[CityFibre]<<https://cityfibre.com/>>

Plant Enquiries

0203 5100 602

Disclaimer: CityFibre Limited is incorporated in England (No. 09759465) and its registered office is 15 Bedford Street, London WC2E 9HE. This email, together with any attachments, is confidential and for use by the addressee(s) only. If you are not the intended recipient, please notify the sender immediately, delete the message from your system and do not copy, use, distribute or disclose the email, its contents or attachments for any purpose. CityFibre Ltd accepts no liability for damage caused to a recipient's system by this email nor for any unauthorised access to or interference with this email.



 EXISTING PLANT
 EXISTING PLANT

bitmap_layout select_raster

Asset Office
CityFibre Holdings Ltd,
Rutherford House,
Birchwood,
Warrington,
WA3 6ZH

Email: asset.team@cityfibre.com

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

Plant Enquiry

Existing Plant

smallworld

Date: 28/11/2022

Revision

CFH EP 000001

001

Scale: 1:2500

A4



Searches - Cornerstone Projects Ltd

From: UK OSP-Team . <osp-team@verizon.com>
Sent: 28 November 2022 09:12
To: Searches - Cornerstone Projects Ltd; UK OSP-Team
Subject: Re: Plant Enquiries - Site Ref. 21112022 Deacon Park - Moorgate Road,, Kirby, Knowsley, L33 7RX - NGR E342529 N397575

Dear Sir/Madam

Verizon is a licensed Statutory Undertaker.

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

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

Yours faithfully

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

On Mon, 28 Nov 2022 at 08:48, Searches - Cornerstone Projects Ltd <searches@cornerstoneprojects.co.uk> wrote:

Dear Sir/Madam,

Re: - Underground Apparatus / Plant

Site Ref. 21112022 Deacon Park - Moorgate Road,, Kirby, Knowsley, L33 7RX - NGR E342529 N397575

INDEPENDENT UTILITIES

Searches - Cornerstone Projects Ltd

From: plantenquiryservice@gtc-uk.co.uk
Sent: 28 November 2022 11:38
To: searches@cornerstoneprojects.co.uk
Subject: GTC Plant Enquiry - Ref- 2970026
Attachments: 2970026.png; GU-DPR-IG-0022 Safe working in the vicinity of utility networks.pdf

Warning: GTC Apparatus Exists in This Area

Our Plant Enquiry Service Ref: 2970026

Your Enquiry Ref: 21112022

Dear Duncan,

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

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

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

N7041193

Gas

- [N7041193-1 1 of 10.png](#)
- [N7041193-1 2 of 10.png](#)
- [N7041193-1 3 of 10.png](#)
- [N7041193-1 4 of 10.png](#)
- [N7041193-1 5 of 10.png](#)
- [N7041193-1 6 of 10.png](#)
- [N7041193-1 7 of 10.png](#)
- [N7041193-1 8 of 10.png](#)
- [N7041193-1 9 of 10.png](#)
- [N7041193-1 10 of 10.png](#)

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

- GTC Pipelines Limited
- Independent Pipelines Limited
- Quadrant Pipelines Limited
- Electricity Network Company Limited

- Independent Power Networks Limited
- Independent Water Networks Limited
- Open Fibre Networks Limited
- Independent Community Heating Limited

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

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

Important: The area of your proposed works may contain gas mains operating at Medium and Intermediate Pressure tiers or electric cables operating at High Voltage – please refer to the network drawings included with this email. If your proposed works are likely to involve excavation within 10 metres of any of these assets, including but not limited to gas governors and electric substations you MUST inform GTC Plant Enquiries by calling 01359 240363 and quoting your Plant Enquiries Service Reference number.

Important: Drawings provided by this service may include utility assets not owned or managed by GTC. Conversely our drawings will NOT display assets from all third parties. It is your responsibility to ensure you have requested information from all utility asset owners.

Gas Escape or Damage MUST be reported on 0800 111 999. National Grid / DNGT will attend to make safe and repair.

Electricity Network Damage MUST be reported to ENC on 0800 032 6990.

Water Network Damage MUST be reported to IWNL on 02920 028 711

Fibre Network Damage MUST be reported to IFNL on 0845 051 1669

Thank you for using the GTC Plant Enquiries Service.

Your sincerely,

GTC Plant Enquiry Service

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

NOTE:

This E-Mail originates from GTC, Synergy House, Woolpit Business Park, Woolpit, Bury St Edmunds, Suffolk, IP30 9UP

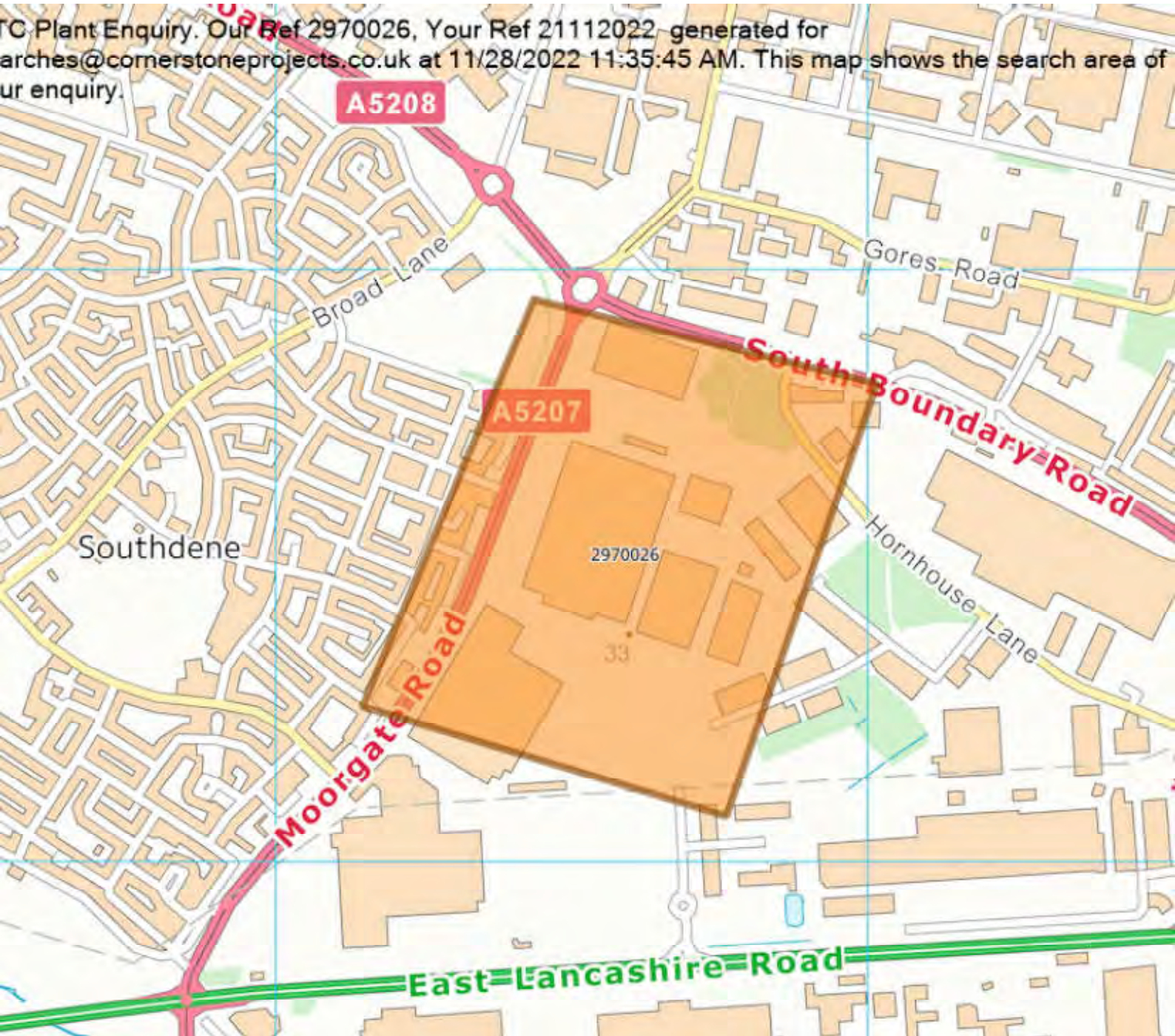
VAT Number: GB688 8971 40. Registered No: 029431.

DISCLAIMER

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

Thank you

TC Plant Enquiry. Our Ref 2970026, Your Ref 21112022 generated for
arches@cornerstoneprojects.co.uk at 11/28/2022 11:35:45 AM. This map shows the search area of
ur enquiry.



This product is produced in part from PAF, the copyright in which is owned by Royal Mail Group Limited and/or Royal Mail Group plc. Crown Copyright 2010. All rights reserved. Ordnance Survey License number 100049313



Legend

Gas Pipe

LP Pipe

MP Pipe

✓ IP or Service Pipe

Gas Node

CP Connection Point

↓ Reducer

Capend

Gas PRI

SCALE: 1:3156
O.S.REF: 343123,396971
N7041193_1_of_10 Gas
Date: 01-08-2014

A3

A group member of
Brookfield Utilities UK
Energy House
Woolpit Business Park
Woolpit
Suffolk IP30 9UP



gtc...leading utility networks

This product is produced in part from PAF, the copyright in which is owned by Royal Mail Group Limited and/or Royal Mail Group plc. Crown Copyright 2010. All rights reserved. Ordnance Survey License number 100049313



Gas Pipe

LP Pipe

MP Pipe

- ✓ IP or Service Pipe

Gas Node

CP Connection Point

⋈ Reducer

Capend

Gas PRI

SCALE: 1:500
O.S.REF: 343443,397046
N7041193_2_of_10 Gas
Date: 01-08-2014

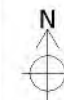
A3

A group member of
Brookfield Utilities UK
Energy House
Woolpit Business Park
Woolpit
Suffolk IP30 9UP



This plan must be available on site when excavation is taking place. The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed. Where service cables and apparatus etc, are not shown, their presence must be anticipated. To the maximum extent permitted by law, no liability of any kind whatsoever (including liability or negligence) is accepted by GTC or the asset owners, their employees, contractors, agents or servants for any error or omission. The actual position of apparatus must be verified and established on site before any mechanical plant is used. Mechanical excavators should not be used within 0.5m of any apparatus. The information provided relates only to plant previously owned by companies within the Inexus group. It is advised that other utilities may have apparatus in the area and therefore must be contacted regarding details of their apparatus. This drawing may not include gas services.

This product is produced in part from PAF, the copyright in which is owned by Royal Mail Group Limited and/or Royal Mail Group plc. Crown Copyright 2010. All rights reserved. Ordnance Survey License number 100049313



Legend

Gas Pipe

LP Pipe

MP Pipe

IP or Service Pipe

Gas Node

Connection Point

Reducer

Capend

Gas PRI

El Sub Sta

The
Copper
Pot

N7041193

180mm MP

0 21.6m

SCALE: 1:500

A3

O.S.REF: 343443,396905

N7041193_3_of_10 Gas

Date: 01-08-2014

A group member of
Brookfield Utilities UK
Energy House
Woolpit Business Park
Woolpit
Suffolk IP30 9UP

gtc...leading utility networks

Def

SM

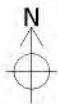
Issues

SM



This plan must be available on site when excavation is taking place. The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed. Where service cables and apparatus etc, are not shown, their presence must be anticipated. To the maximum extent permitted by law, no liability of any kind whatsoever (including liability or negligence) is accepted by GTC or the asset owners, their employees, contractors, agents or servants for any error or omission. The actual position of apparatus must be verified and established on site before any mechanical plant is used. Mechanical excavators should not be used within 0.5m of any apparatus. The information provided relates only to plant previously owned by companies within the Inexus group. It is advised that other utilities may have apparatus in the area and therefore must be contacted regarding details of their apparatus. This drawing may not include gas services.

This product is produced in part from PAF, the copyright in which is owned by Royal Mail Group Limited and/or Royal Mail Group plc. Crown Copyright 2010. All rights reserved. Ordnance Survey License number 100049313



Legend

Gas Pipe

LP Pipe

MP Pipe

IP or Service Pipe

Gas Node

CP Connection Point

Reducer

Capend

Gas PRI

0 21.6m

SCALE: 1:500
O.S.REF: 343271,396905
N7041193_4_of_10 Gas
Date: 01-08-2014

A3

Ward Bdy

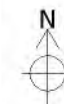
EI

A group member of
Brookfield Utilities UK
Energy House
Woolpit Business Park
Woolpit
Suffolk IP30 9UP

gtc...
...leading utility networks

This plan must be available on site when excavation is taking place. The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed. Where service cables and apparatus etc, are not shown, their presence must be anticipated. To the maximum extent permitted by law, no liability of any kind whatsoever (including liability or negligence) is accepted by GTC or the asset owners, their employees, contractors, agents or servants for any error or omission. The actual position of apparatus must be verified and established on site before any mechanical plant is used. Mechanical excavators should not be used within 0.5m of any apparatus. The information provided relates only to plant previously owned by companies within the Inexis group. It is advised that other utilities may have apparatus in the area and therefore must be contacted regarding details of their apparatus. This drawing may not include gas services.

This product is produced in part from PAF, the copyright in which is owned by Royal Mail Group Limited and/or Royal Mail Group plc. Crown Copyright 2010. All rights reserved. Ordnance Survey License number 100049313



Legend

Gas Pipe

LP Pipe

MP Pipe

IP or Service Pipe

Gas Node

Connection Point

Reducer

Capend

Gas PRI

0 21.6m

SCALE: 1:500

A3

O.S.REF: 343614,396905

N7041193_5_of_10 Gas

Date: 01-08-2014

A group member of
Brookfield Utilities UK
Energy House
Woolpit Business Park
Woolpit
Suffolk IP30 9UP

gtc...leading utility networks

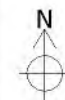
COOPER'S LANE

N7041193

Drain

This plan must be available on site when excavation is taking place. The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed. Where service cables and apparatus etc, are not shown, their presence must be anticipated. To the maximum extent permitted by law, no liability of any kind whatsoever (including liability or negligence) is accepted by GTC or the asset owners, their employees, contractors, agents or servants for any error or omission. The actual position of apparatus must be verified and established on site before any mechanical plant is used. Mechanical excavators should not be used within 0.5m of any apparatus. The information provided relates only to plant previously owned by companies within the Inexis group. It is advised that other utilities may have apparatus in the area and therefore must be contacted regarding details of their apparatus. This drawing may not include gas services.

This product is produced in part from PAF, the copyright in which is owned by Royal Mail Group Limited and/or Royal Mail Group plc. Crown Copyright 2010. All rights reserved. Ordnance Survey License number 100049313



Legend

Gas Pipe

LP Pipe

MP Pipe

IP or Service Pipe

Gas Node

Connection Point

Reducer

Capend

Gas PRI

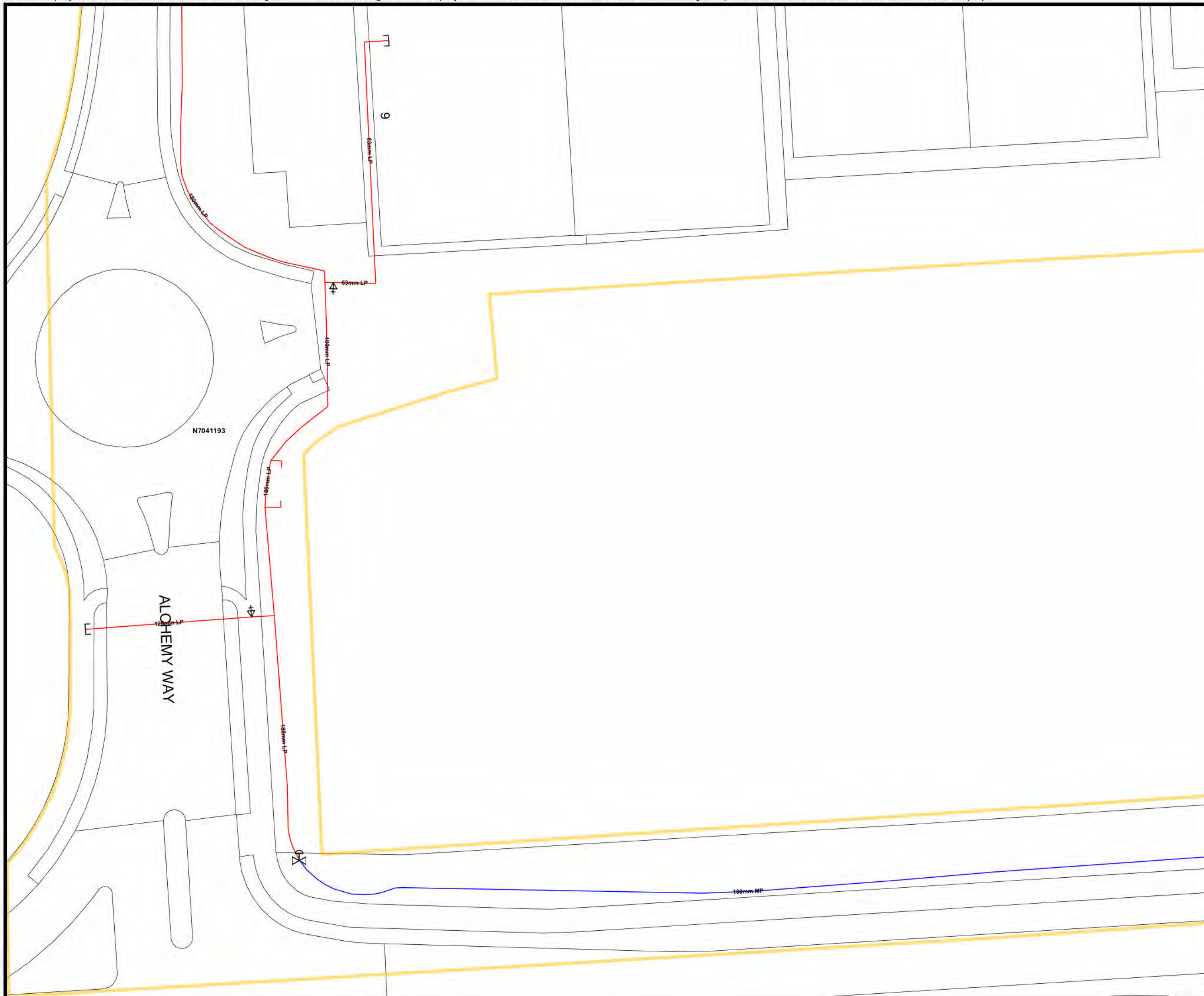
0 21.6m

SCALE: 1:500
O.S.REF: 342757,396905
N7041193_6_of_10 Gas
Date: 01-08-2014

A3

A group member of
Brookfield Utilities UK
Energy House
Woolpit Business Park
Woolpit
Suffolk IP30 9UP

gtc...leading utility networks



This plan must be available on site when excavation is taking place. The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed. Where service cables and apparatus etc, are not shown, their presence must be anticipated. To the maximum extent permitted by law, no liability of any kind whatsoever (including liability or negligence) is accepted by GTC or the asset owners, their employees, contractors, agents or servants for any error or omission. The actual position of apparatus must be verified and established on site before any mechanical plant is used. Mechanical excavators should not be used within 0.5m of any apparatus. The information provided relates only to plant previously owned by companies within the Inexus group. It is advised that other utilities may have apparatus in the area and therefore must be contacted regarding details of their apparatus. This drawing may not include gas services.

This product is produced in part from PAF, the copyright in which is owned by Royal Mail Group Limited and/or Royal Mail Group plc. Crown Copyright 2010. All rights reserved. Ordnance Survey License number 100049313



Legend

Gas Pipe

LP Pipe

MP Pipe

IP or Service Pipe

Gas Node

CP Connection Point

Reducer

Capend

Gas PRI

0 21.6m

SCALE: 1:500

O.S.REF: 342928,397046

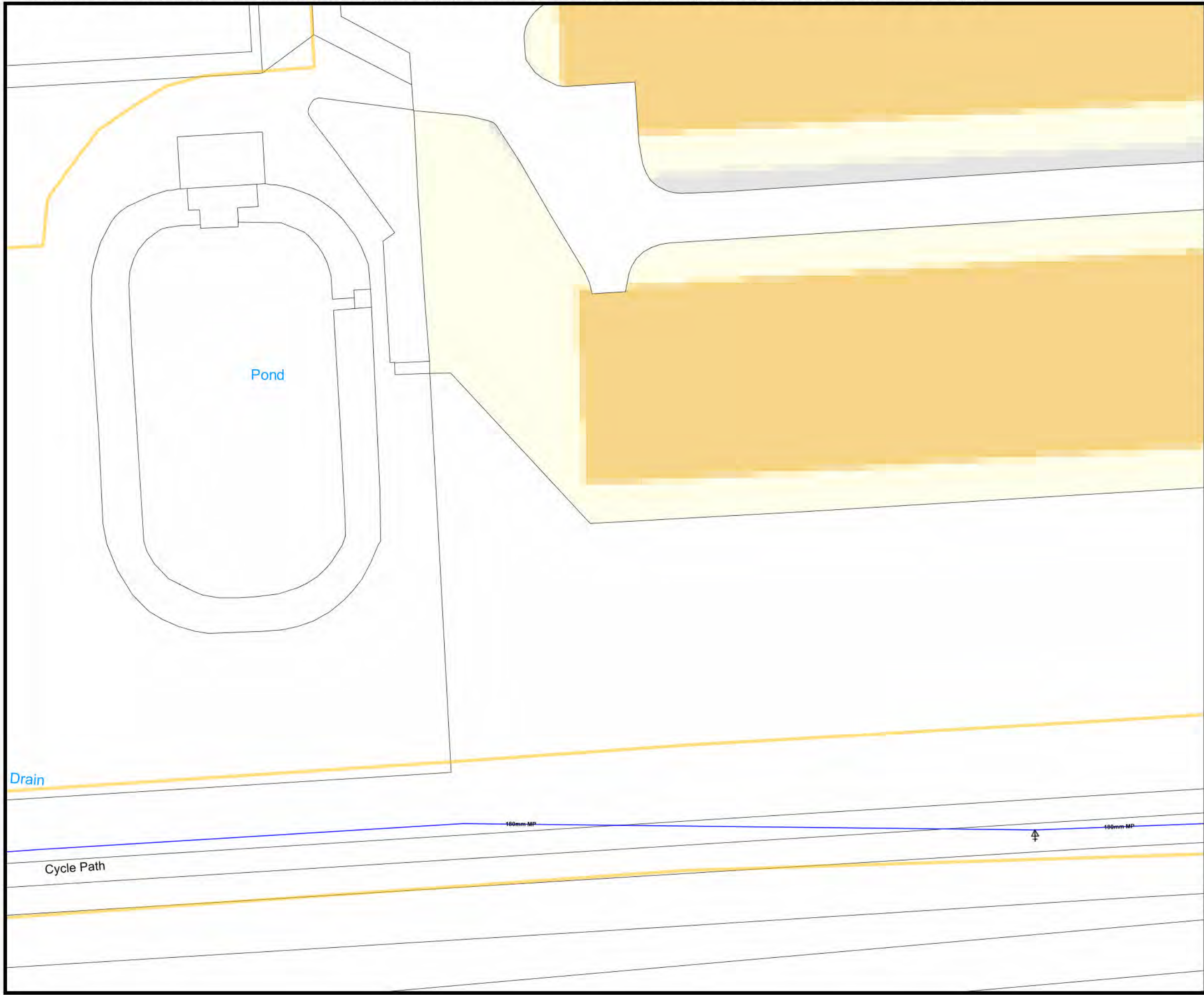
N7041193_7_of_10 Gas

Date: 01-08-2014

A3

A group member of
Brookfield Utilities UK
Energy House
Woolpit Business Park
Woolpit
Suffolk IP30 9UP

gtc...leading utility networks



This plan must be available on site when excavation is taking place. The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed. Where service cables and apparatus etc, are not shown, their presence must be anticipated. To the maximum extent permitted by law, no liability of any kind whatsoever (including liability or negligence) is accepted by GTC or the asset owners, their employees, contractors, agents or servants for any error or omission. The actual position of apparatus must be verified and established on site before any mechanical plant is used. Mechanical excavators should not be used within 0.5m of any apparatus. The information provided relates only to plant previously owned by companies within the Inexus group. It is advised that other utilities may have apparatus in the area and therefore must be contacted regarding details of their apparatus. This drawing may not include gas services.

This product is produced in part from PAF, the copyright in which is owned by Royal Mail Group Limited and/or Royal Mail Group plc. Crown Copyright 2010. All rights reserved. Ordnance Survey License number 100049313



Legend

- Gas Pipe**
/ LP Pipe
/ MP Pipe
/ IP or Service Pipe
- Gas Node**
CP Connection Point
↓ Reducer
] Capend
- Gas PRI**
⊗

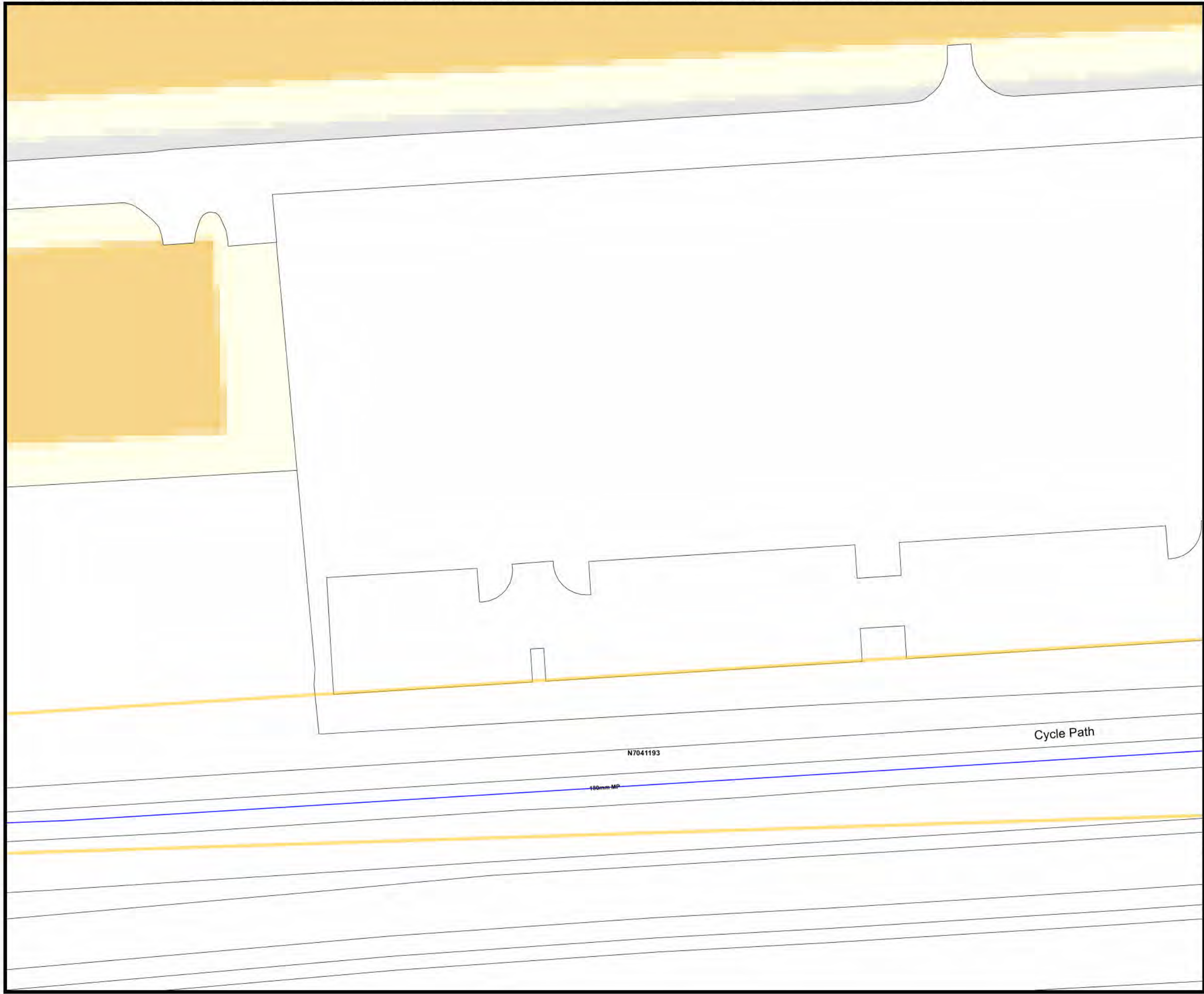


SCALE: 1:500
O.S.REF: 342928,396905
N7041193_8_of_10 Gas
Date: 01-08-2014

A3

A group member of
Brookfield Utilities UK
Energy House
Woolpit Business Park
Woolpit
Suffolk IP30 9UP





This plan must be available on site when excavation is taking place. The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed. Where service cables and apparatus etc, are not shown, their presence must be anticipated. To the maximum extent permitted by law, no liability of any kind whatsoever (including liability or negligence) is accepted by GTC or the asset owners, their employees, contractors, agents or servants for any error or omission. The actual position of apparatus must be verified and established on site before any mechanical plant is used. Mechanical excavators should not be used within 0.5m of any apparatus. The information provided relates only to plant previously owned by companies within the Inexis group. It is advised that other utilities may have apparatus in the area and therefore must be contacted regarding details of their apparatus. This drawing may not include gas services.

This product is produced in part from PAF, the copyright in which is owned by Royal Mail Group Limited and/or Royal Mail Group plc. Crown Copyright 2010. All rights reserved. Ordnance Survey License number 100049313



Legend

Gas Pipe

LP Pipe

MP Pipe

IP or Service Pipe

Gas Node

Connection Point

Reducer

Capend

Gas PRI

0 21.6m

SCALE: 1:500
O.S.REF: 343100,396905
N7041193_9_of_10 Gas
Date: 01-08-2014

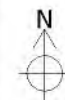
A3

A group member of
Brookfield Utilities UK
Energy House
Woolpit Business Park
Woolpit
Suffolk IP30 9UP



This plan must be available on site when excavation is taking place. The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed. Where service cables and apparatus etc, are not shown, their presence must be anticipated. To the maximum extent permitted by law, no liability of any kind whatsoever (including liability or negligence) is accepted by GTC or the asset owners, their employees, contractors, agents or servants for any error or omission. The actual position of apparatus must be verified and established on site before any mechanical plant is used. Mechanical excavators should not be used within 0.5m of any apparatus. The information provided relates only to plant previously owned by companies within the Inexus group. It is advised that other utilities may have apparatus in the area and therefore must be contacted regarding details of their apparatus. This drawing may not include gas services.

This product is produced in part from PAF, the copyright in which is owned by Royal Mail Group Limited and/or Royal Mail Group plc. Crown Copyright 2010. All rights reserved. Ordnance Survey License number 100049313



Legend

Gas Pipe

LP Pipe

MP Pipe

IP or Service Pipe

Gas Node

CP Connection Point

Reducer

Capend

Gas PRI

PRI

0 21.6m

SCALE: 1:500

A3

O.S.REF: 342757,397046

N7041193_10_of_10 Gas

Date: 01-08-2014

A group member of
Brookfield Utilities UK
Energy House
Woolpit Business Park
Woolpit
Suffolk IP30 9UP

gtc
...leading utility networks



SAFE WORKING IN THE VICINITY OF UTILITY NETWORKS

(Refer to the HSE Guidance Document HSG47)

Introduction

This document should be issued to anyone intending on working in the vicinity of GTC and associated entities' utility networks and should be used in conjunction with HSG47, NJUG guidance and industry recognised practices.

Confirmation should be sought from the asset owner in any instance of ambiguity or if there is confusion.

Any queries regarding diversions, alterations, and disconnections for Gas, Water, Distributed Heat and Fibre please contact: Network.Variations@gtc-uk.co.uk

Any queries regarding diversions, alterations, and disconnections for Electric, please contact: Electricity.diversion@gtc-uk.co.uk

For more information please see the GTC website: <https://www.gtc-uk.co.uk/> or alternatively contact plant.enquiries@bu-uk.co.uk

The Dangers

Damage to services can cause significant disruption and project delays and therefore incur considerable costs as well as the potential for severe or fatal injury to not only to those directly involved but also the general public.

Damages often have instantaneous reactions like explosive arcing with cables or leaks for gas and water mains however latent reactions due to damages that are ignored, consealed, or unnoticed can have much greater consequences.

General

1. It is imperative that all works are carried out in accordance with the guidance provided by the HSE (Health and Safety Executive) in their document HSG47 "Avoiding Danger from Underground Services", ISBN 978 0 7176 6584 6, 3rd Edition 2014. No party shall carry out any excavation works or other intrusive works such as piling, blasting or demolition without following the guidance in HSG47.
2. We own gas, electricity, water, waste water, fibre, and district heating apparatus located in the highway, private property and through the countryside. Some plant may be located in land for which a wayleave or easement has been granted and there may be no surface evidence of the presence of apparatus.
3. Ensure that you have obtained detailed plans of existing and proposed gas, electricity, water, waste water, fibre, and district heating networks before any works commence.
4. The position of the networks shall be pinpointed as accurately as possible by visually surveying the area for indications of apparatus, by means of a locating device, and reference the information gathered to the plans. Locating equipment must be tested and calibrated within the manufacturer's calibration date.

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

Once the apparatus has been located, appropriate marking be made on the covering hard surface confirming location and any errors in plans identified, GTC should be advised to allow plans to be updated.

5. Hand-held power tools can damage buried apparatus and shall be used with care until the exact position of a utility has been determined. They may only be used to break a paved or concrete surface above the network, unless there are any indications that the network is particularly shallow; in such circumstances, accuracy of plant location is determined and excavation initiated adjacent to the apparatus.
6. No manhole, chamber or other structure shall be built over, around or under the network. Such structures, other pipes, ducts and cables should be laid to provide a minimum clearance from the existing network of 300mm or 1.5 times the diameter of the asset, whichever is the greater. No work should be carried out if this minimum clearance cannot be met or which results in a reduction of cover or protection over the network, without first consulting GTC, please seek advice from GTC.
7. Where an excavation uncovers any network apparatus the backfill shall be adequately compacted, particularly beneath the network, to prevent any settlement, which would subsequently damage the network. Backfill material adjacent to the network shall be selected fine material or sand, containing no stones, bricks or lumps of concrete etc. and shall be suitably compacted to give comparable support and protection to that provided before excavation. No power compaction shall take place until at least 200mm cover of selected fine fill has been suitably compacted by hand tools.
8. If the road construction is close to the top of the network, GTC shall be asked to identify whether any additional precautions are necessary. The road construction depth should not be reduced without permission from the local Highway Authority.
9. Costs incurred by GTC through direct or consequential damage shall be recharged.
10. Where utilities are within a duct the duct should be treated in the same manner as live utility cable/pipe/fibre and any work in the vicinity of the apparatus shall be carried out with caution.

Any damage caused no matter how insignificant or minor in appearance SHALL BE REPORTED to GTC as soon as possible.

Precautions for Gas Networks

11. Plans do not always show the presence of gas service pipes (from the gas main to premises) but their existence should be assumed with consideration given to the increased height of the service off-take fitting on the main.
12. The depth of cover for gas mains is typically 750mm in carriageways and grass verges, 600mm in footways and 1.1m in open field. The depth of cover for gas services is typically between 375mm and 600mm. Reference should always be made to the network drawing. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
13. Gas pipes should be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.

- 14.** If a gas leak is suspected, the following action should be taken immediately:
- Remove all people from the immediate vicinity of the escape. If the service connection to a building or the adjacent main has been damaged, warn the occupants to leave the building, and any adjoining building, until it is safe for them to return. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building. Gas leaking from the damage inside or gas travelling along the line of the service connection pipe from outside the building may cause a build-up of gas within the building.
 - Prohibit smoking, and extinguish all naked flames and other sources of ignition i.e. stop excavator and compressor engines within at least 5.0m of the leak.
 - Inform the National Gas Emergency Service immediately by dialling:
0800 111 999
 - Remain on site.
 - Assist the Gas Emergency Service Provider staff, Police, Fire Services or other Statutory Authorities as requested.
- 15.** Where gas pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the gas pipe or cause excessive loading over the gas pipe then GTC shall be consulted.
- 16.** No concrete or other hard material should be placed or left under or adjacent to any gas pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a gas pipe.
- 17.** Where an excavation uncovers a gas pipe with a damaged wrapping, GTC shall be informed, so that repairs can be made to prevent future corrosion and leakage.
- 18.** Pipe restraints or thrust blocks close to gas mains shall not be removed or interfered with as they are a safety feature of the live gas network.
- 19.** Anyone who carries out work near underground gas plant should observe any specific requirements made by the site manager, and ensure that access to the plant by the asset owners staff is available at all times. No unauthorised repairs to gas pipes should be made.
- 20.** Where excavation is within 5m proximity to above or below ground pressure control equipment, ground workers must be aware of the possibility of encountering small auxiliary pipework that is more susceptible to damage.
- 21.** Where PE pipes and cables have been exposed and it is intended that hot work (e.g. welding, grinding, etc) be carried out, contact shall be made with GTC to confirm additional precautions and actions that may require to be undertaken.
- 22.** GTC shall be consulted if it is intended to carry out any of the following activities:

- Using explosives within 30m of gas pipes or 400m of gas pressure reduction equipment.
- Piling or boring within 15m of gas plant.
- Excavating within 10m of pressure reduction equipment.
- Reducing the cover or protection of a gas pipe.
- Carrying out deep excavations nearby (minimum of 2m up to 15m).
- Working within 3m of GTC's intermediate pressure (IP) mains.

Precautions for Electricity Networks

- 23.** Plans do not always show the presence of electric service cables (from the electricity main to premises) but their existence should be assumed.
- 24.** In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried cable. Even if no cables are shown on plans or detected by a locator, there may still be cables present, which could be live and a close watch should be kept for any signs which could indicate their presence such as marker tape, tape tile, concrete tiles and wooden battens. Any marker which is disturbed by our excavations must be replaced once work is completed.
- 25.** Typically underground cables are laid in trenches between 450mm and 1000mm deep, although some high voltage cables will be deeper, however, depths should never be assumed.
- 26.** A cable is positively located only when it has been safely exposed. Even then, digging should still proceed with care as there may be other cables adjacent or lower down.
- 27.** Occasionally, cables are terminated in the ground by means of a seal, sometimes with external mechanical protection. These "pot ended" or "bottle ended" cables should be treated as live and should not be assumed to be abandoned or disused. They can be difficult to detect with locators even when "live".
- 28.** Where practicable, such power tools shall only be used 500mm or more away from the indicated line of a cable buried in or below a hard surface. Having done so, the cable shall then be positively located by careful hand digging under the hard surface. The hard surface should be gradually removed until the cable is exposed. If the cable is not exposed then it must be assumed to be embedded within the surface. Where possible a cable locator shall be used as a depth guide down the side of the excavation.
- 29.** Because of the difficulty in confirming depth, hand held power tools shall never be used over the cable unless either:
 - The cable has already been exposed by digging under the surface to be broken out and it is at a safe depth (at least 300mm) below the bottom of the hard surface material.
 - or
 - Physical precautions have been taken to prevent the tool striking the cable.

- 30.** Excavating close to electricity cables buried in concrete is dangerous and shall not be undertaken unless the cable(s) have been isolated. For this reason alone electricity cables should not be buried in concrete.
- 31.** Where mechanical excavators are used in the possible vicinity of underground cables, the work should be arranged so that damage to cables is avoided so far as is reasonably practicable. To minimise danger to operatives those onsite shall be outside of the reach of the excavator bucket and shall not enter the trench whilst digging is undertaken. Excavator operators shall be instructed to stay in the cab if a cable is struck. If excavator operators have to exit the cab they should jump clear. If excavator operators climb down from the cab the risk of electrocution is significantly increased. If a cable is struck, the machine involved shall be subject to continuous observation and no one shall enter the excavation or approach the machine or the cable until GTC have been contacted and the damaged cable has been made safe.
- 32.** Where cables have been exposed:
- Any damage shall be reported to GTC immediately on: **0800 032 6990**
And work shall not be undertaken in the vicinity of a damaged cable until GTC has investigated its condition.
 - For more than 1.0m and they cross a trench, support shall be provided. If the exposed cable length is shorter than 1.0m support shall still be considered if joints have been exposed or the cable appears otherwise vulnerable to damage. Where advice and help is needed contact GTC.
 - Suitable precautions shall be taken to prevent damage from on-going work in the excavation. This may involve for example the use of physical means (e.g. timber boards, sandbags etc) to prevent mechanical damage. Materials or equipment which could damage or penetrate the outer sheath of the cable shall not be used. Cables lying in the bottom of an excavation are particularly vulnerable and shall be protected by nail free wooden planks, troughing or other suitable means.
 - Cables shall not be moved aside unless the operation is supervised by GTC.
 - Precautions shall be taken to prevent access by members of the public.
- 33.** GTC shall be consulted if it is intended to carry out any of the following activities:
- Using explosives within 30m of plant or substations piling or boring within 15m of electric plant.
 - Excavating within 10m of a substation.
 - Carrying out deep excavations nearby (minimum of 2m up to 15m).
 - Working near GTC's HV plant.

Precautions for Water Networks

- 34.** Plans do not always show the presence of water service pipes (from the water main to premises) but their existence should be assumed with consideration given to the increased height of the service off-take fitting on the main.

35. The depth of cover for water mains are typically 900mm. The depth of cover for water services are typically 750mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
36. Water mains shall be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.
37. The danger created by damaging a water pipe with an excavator is much greater than if the damage is done with a hand-held power tool. Water pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators shall not be used within 500mm of a water pipe.
38. If a water leak is suspected, the following action should be taken immediately:
 - Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building.
 - Shut down all working plant and machinery in the vicinity of the damage
 - Inform IWNL by dialling: **02920 442 716**
 - Remain on site.
 - Do not attempt to make a repair.
 - Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.
39. Where water pipes cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the water pipe or cause excessive loading over the water pipe then GTC must be consulted.
40. No concrete or other hard material should be placed or left under or adjacent to any water pipe as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a water pipe.
41. Where an excavation uncovers a water pipe with a damaged wrapping, GTC shall be told, so that repairs can be made to prevent future corrosion and leakage.
42. Pipe restraints or thrust blocks close to water mains should never be removed.
43. Anyone who carries out work near underground water plant shall observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to water pipes should be made.
44. Where PE pipes and cables have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact shall be made with GTC to confirm additional precautions and actions that may require to be undertaken.
45. GTC shall be consulted if it is intended to carry out any of the following activities:
 - Using explosives within 30m of plant.

- Piling or boring within 15m of water plant.
- Excavating within 10m of water asset structures.
- Reducing the cover or protection of a water main or service.
- Carrying out deep excavations nearby (minimum of 2m up to 15m).

Precautions for Fibre Networks

- 46.** Plans may not always show the presence of fibre ducts but their existence should be assumed if GTC advise they have fibre services deployed in the given area. Any planned excavation work should only proceed with due care and attention.
- 47.** Chambers with IFNL or OFNL marked lids can be used as an onsite indicator that GTC have fibre plant deployed in a given area however an exclusion of their presence does not necessarily mean there is no plant present.
- 48.** In most cases there will be no permanent surface marker posts or other visible indication of the presence of a buried fibre duct. Even if no ducts are shown on plans there may still be ducts present which could have live fibre service installed. A close watch shall be kept for any signs which could indicate duct presence such as marker tape. Any marker which is disturbed by our excavations must be replaced once work is completed.
- 49.** The depth of cover for fibre duct is typically between 350mm and 600mm in footways and grass verges, 600mm in carriageways and 1m in agricultural deployments. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
- 50.** Fibre ducts should be located by hand digging before mechanical excavation begins. When the positions and depth of the ducts have been determined, work can proceed. Even then, digging should still proceed with care as there may be other ducts adjacent or lower down.
- 51.** If fibre duct damage is suspected, the following action should be taken immediately:
 - Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage at the point of impact. For example, damage to a fibre connection outside the building may result in further, unseen damage to the connection inside the building.
 - Shut down all working plant and machinery in the vicinity of the damage.
 - Inform GTC Fibre immediately on: **02920 028 726**
 - Remain on site.
 - Do not attempt to make a repair.
 - Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.
- 52.** Where fibre ducts cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress on the duct. For ducts parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the duct from the excavation, the type of soil and any

excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the fibre duct or cause excessive loading over the fibre duct then GTC must be consulted.

53. No concrete or other hard material shall be placed or left under or adjacent to any fibre duct as this can cause damage to the duct at a later date. Any backfill should comply with the requirements of NRSWA. Concrete backfill should not be used within 300mm of a fibre duct.
54. Anyone who carries out work near underground fibre plant should observe any specific requirements made by the site manager, and ensure that access to the plant by GTC staff is available at all times. No unauthorised repairs to fibre ducts should be made.
55. Where fibre ducts have been exposed and it is intended hot work (e.g. welding, grinding, etc) be carried out, contact must be made with GTC to confirm additional precautions and actions that may require to be undertaken.
56. GTC shall be consulted if it is intended to carry out any of the following activities:
 - Using explosives within 30m of plant or fibre asset structures.
 - Piling or boring within 15m of fibre plant.
 - Excavating within 10m of fibre asset structures (including the OSCP).
 - Reducing the cover or protection of a fibre asset.
 - Carrying out deep excavations nearby (minimum of 2m up to 15m).

Precautions for District Heating Networks

For information with respect to District Heating Networks this could also include District Cooling.

57. Plans do not always show the presence of District Heating service pipes (from the District Heating main to premises) but their existence should be assumed.
58. The depth of cover for District Heating mains is typically a minimum of 600mm under normal light carriageways and during construction activities, additional temporary protective bridging should be placed over DHN pipe runs. The depth of cover for District Heating services is typically 6000mm. Remember these covers are to finished level, you may be working in an area, which will be made up or lowered at a later date.
59. District Heating mains shall be located by hand digging before mechanical excavation begins. When the positions and depth of the pipes have been determined, work can proceed.
60. The danger created by damaging a District Heating with an excavator is much greater than if the damage is done with a hand-held power tool. District Heating pipes may have projections such as valve housings, which are not shown on the plans and to allow for this mechanical excavators should not be used within 600mm of a District Heating pipe.
61. If a water leak is suspected, the following action should be taken immediately:

- Remove all people from the immediate vicinity of the damage. It is important to note that a mechanical excavator may not only cause damage/leakage at the point of impact. For example, damage to a service connection outside the building may result in further, unseen damage to the connection inside the building.
 - Shut down all working plant and machinery in the vicinity of the damage.
 - Inform Metropolitan by dialling: **02920 100 346**
 - Remain on site.
 - Do not attempt to make a repair.
 - Assist Approved Contractors, Police, Fire Services or other Statutory Authorities as requested.
- 62.** Where District Heating cross or are parallel and close to excavations, changes in backfill etc. may cause differential ground settlement and increased stress in the pipe. For pipes parallel and close to excavations, the degree of risk depends upon the depth of the excavation, the distance of the pipe from the excavation, the type of soil and any excessive loading from heavy construction plant and materials. Wherever excavation works may affect the support of the District Heating or cause excessive loading over the water pipe then Metropolitan must be consulted.
- 63.** No concrete or other hard material should be placed or left under or adjacent to any District Heating as this can cause pipe fracture at a later date. Concrete backfill should not be used within 300mm of a District Heating.
- 64.** Where an excavation uncovers a District Heating pipe with a damaged insulation, Metropolitan should be told, so that repairs can be made to prevent future corrosions and leakage.
- 65.** Pipe restraints , Anchor blocks or foam padding close to district heating mains shall never be removed.
- 66.** Anyone who carries out work near underground district heating plant shall observe any specific requirements made by the site manager, and ensure that access to the plant by the asset owners staff is available at all times. No unauthorised repairs to district heating pipes shall be made.
- 67.** Where District Heating pipes have been exposed and it is intended hot work (e.g. welding, grinding, etc) will be carried out, contact shall be made with Metropolitan to confirm additional precautions and actions that may require to be undertaken.
- 68.** Metropolitan shall be consulted if it is intended to carry out any of the following activities:
- Using explosives within 30m of gas pipes or 400m of gas pressure reduction equipment.
 - Piling or boring within 15m of District Heating pipe.
 - Reducing the cover or protection of a District Heating pipe.
 - Carrying out deep excavations nearby.

Searches - Cornerstone Projects Ltd

From: esp@safedigs.co.uk
Sent: 28 November 2022 09:50
To: searches@cornerstoneprojects.co.uk
Subject: ESP Utilities Group Plant Affected Notice LSBUD Ref. 27748716 Email 1 of 2
Attachments: 9019155-proposal01-ngg-rev01.PNG

28/11/2022

LinesearchbeforeUdig Ref: 27748716
Your Ref: 21112022

Dear Sir/Madam,

Further to your enquiry received on 28/11/2022 09:47:01 AM please find attached the ESP Utilities Group (ESP) response to your enquiry.

If your proposed work site was found to be in the vicinity of ESP plant, project drawing as laid extracts for these sites are enclosed (not to scale) for your information which show the approximate location of the ESP gas/electric network close to the area of interest.

As your plans for the proposed work develop you are required to keep ESP regularly updated about the extent and nature of your proposed works in order for us to fully establish whether any additional precautionary or diversionary works are necessary to protect our gas network.

Arrangements can be set in place so that one of our representatives can meet on site (date to be agreed) and we will be happy to discuss the impact of your proposals on the gas network once we have received the details.

ESP are continually constructing new gas and electricity networks and this notification is valid for 90 days from the date of this letter. If your proposed works start after this period of time, please re-submit your linesearchbeforeUdig enquiry.

The attached files are in PDF format, to view them you will need Adobe Acrobat Reader(R). You can download it free of charge from <http://get.adobe.com/reader>

Yours sincerely,

ESP Utilities Group Ltd

ESP Utilities Group Ltd can be contacted at:

Office Address: Bluebird House, Mole Business Park, Leatherhead, Surrey, KT22 7BA

Office Tel: 01372 587500; email: PlantResponses@espug.com

This DBYD response for Sequence Number 444135931 is comprised of a total of 2 emails to be delivered. This email is part 1 of 2.



2 Europa View,
Sheffield
Business Park,
Sheffield, S9 1XH

QUOTE REF: 5066064

SITE ADDRESS:
Sedburn Road
Liverpool
L29 7PB

DESCRIPTION OF WORKS:

Lay LP main and 15 LP services terminating
externally in built in boxes with 3/4" ECV's.
Fulcrum to excavate around live gas main only,
customer to excavate, backfill and reinstate
remaining trenches. Quote includes gas meters.

DESIGNED BY: Ramzan Ahmed

SCALE: 1:500 @ A3 DATE: 24/08/2017

DRAWING KEY:

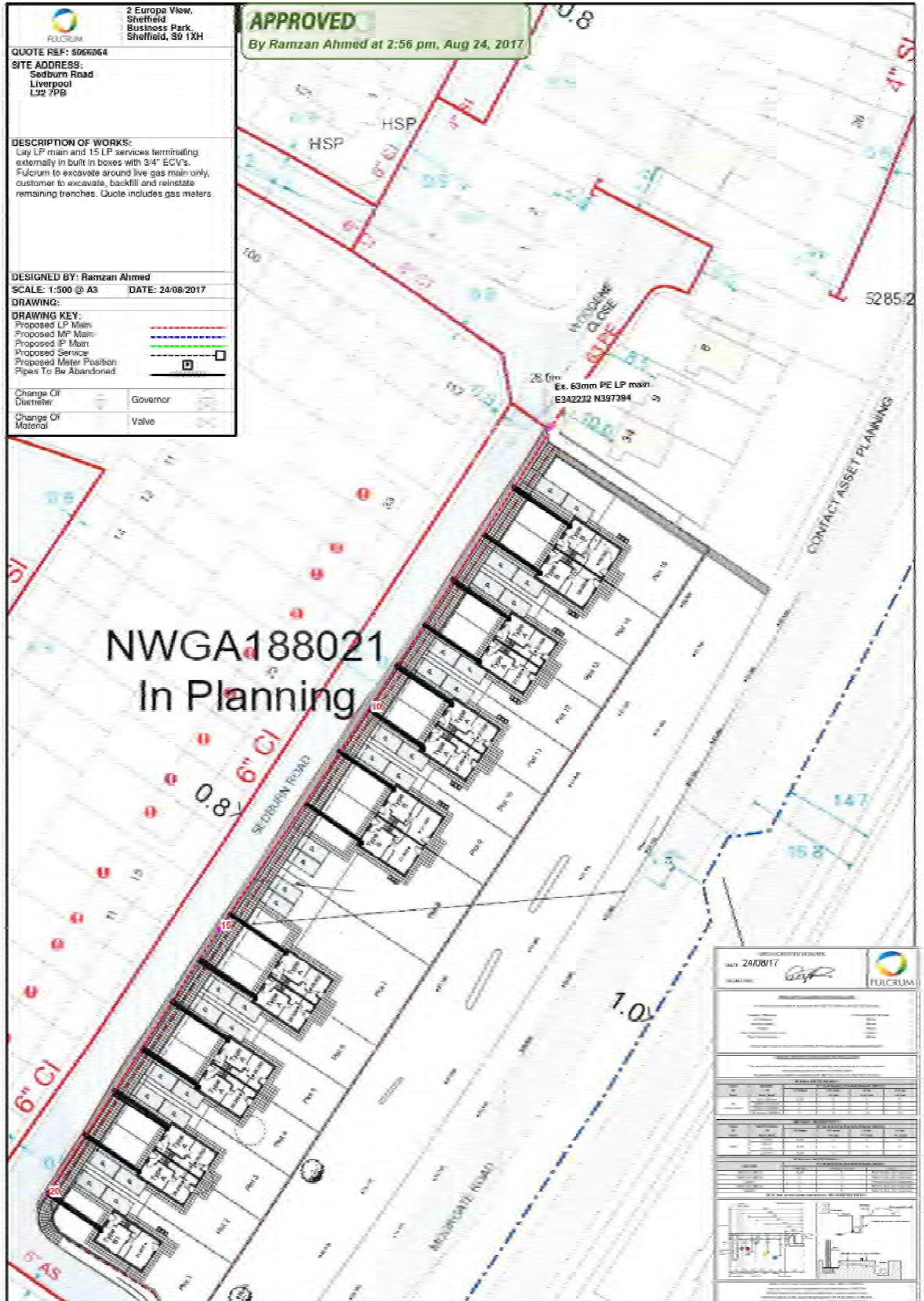
Proposed LP Main
Proposed MP Main
Proposed IP Main
Proposed Service
Proposed Meter Position
Pipes To Be Abandoned

Change Of Diameter	Governor
Change Of Material	Valve

APPROVED

By Ramzan Ahmed at 2:56 pm, Aug 24, 2017

NWGA188021
In Planning



DATE: 24/08/17		FULCRUM	
PROJECT INFORMATION			
PROJECT NAME: NWGA188021			
PROJECT ADDRESS: Sedburn Road, Liverpool, L29 7PB			
PROJECT DESCRIPTION: Lay LP main and 15 LP services terminating externally in built in boxes with 3/4\"/>			
PROJECT STATUS: In Planning			
PROJECT START DATE: 24/08/17			
PROJECT END DATE: 24/08/17			
PROJECT BUDGET: £10,000			
PROJECT COST: £10,000			
PROJECT RISK: Low			
PROJECT COMPLEXITY: Low			
PROJECT CHALLENGES: None			
PROJECT SUCCESS FACTORS: Clear communication, timely delivery			
PROJECT LESSONS LEARNED: None			
PROJECT NEXT STEPS: Proceed with construction			

PRECAUTIONS TO BE TAKEN WHEN CARRYING OUT WORK IN THE VICINITY OF UNDERGROUND GAS PIPES

ADVICE TO SITE PERSONNEL

MANAGEMENT NOTE

Please ensure that a copy of this note is read by your site management and to your site operatives.

Early consultation with ESP Utilities Group prior to excavation is recommended to obtain the location of plant and precautions to be taken when working nearby.

This Guidance Note should be read in conjunction with the Health and Safety Executive guidance HSG47 "Avoiding danger from underground services".

Introduction

Damage to ESP Utilities Group's plant can result in uncontrolled gas escapes which may be dangerous. In addition these occurrences can cause expense, disruption of work and inconvenience to the public.

Various materials are used for gas mains and services. Cast Iron, Ductile Iron, Steel and Plastic pipes are the most widely found. Modern Plastic pipes are either bright yellow or orange in colour.

Cast Iron and Ductile Iron water pipes are very similar in appearance to Cast Iron and Ductile Iron gas pipes and if any Cast Iron or Ductile Iron pipe is uncovered, it should be treated as a gas pipe. ESP Utilities Group do not own any metallic gas pipes but their gas network infrastructures may be connected to Cast Iron, Ductile Iron or Steel pipes owned by Distribution Network Operators.

The following general precautions apply to Intermediate Pressure (2-7barg MOP), Medium Pressure (75mbarg-2barg MOP), Low Pressure (up to 75mbarg MOP) and other gas mains and services likely to be encountered in general site works and are referred to within this document as '**pipes**'.

Locating Gas Pipes

It should be assumed when working in urban and residential areas that gas mains and services are likely to be present. On request, ESP Utilities Group will give approximate locations of pipes derived from their records. The records do not normally show the position of service pipes but their probable line can be deducted from the gas meter position. ESP Utilities Group's staff will be pleased to assist in the location of gas plant and provide advice on any precautions that may be required. The records and advice are given in good faith but cannot be guaranteed until hand excavation has taken place. Proprietary pipe and cable locators are available although generally these will not locate plastic pipes.

Safe working Practices

To achieve safe working conditions adjacent to gas plant the following must be observed:

Observe any specific request made by ESP Utilities Group's staff.

Gas pipes must be located by hand digging before mechanical excavation. Once a gas pipe has been located, mechanical excavation must proceed **with care**. A mechanical excavator must not in any case be used within 0.5 metre of a gas pipe and greater safety distances may be advised by ESP Utilities Group depending on the mains maximum operating pressure (MOP).

Where heavy plant may have to cross the line of a gas pipe during construction work, the number of crossing points should be kept to a minimum. Crossing points should be clearly indicated and crossings at other places along the line of the pipe should be prevented.

Where the pipe is not adequately protected by an existing road, crossing points should be suitably reinforced with sleepers, steel plates or a specially constructed reinforced concrete raft as necessary. ESP Utilities Group staff will advise on the type of reinforcement necessary.

No explosives should be used within 30 metres of any gas pipe without prior consultation with ESP Utilities Group.

ESP Utilities Group must be consulted prior to carrying out excavation work within 10 metres of any above ground gas installation.

Where it is proposed to carry out piling or boring within 15 metres of any gas pipe, ESP Utilities Group should be consulted prior to the commencement of the works.

Access to gas plant must be maintained at all times during on site works.

Proximity of Other Plant

A minimum clearance of 300 millimetres (mm) should be allowed between any plant being installed and an existing gas main to facilitate repair, whether the adjacent plant be parallel to or crossing the gas pipe. No apparatus should be laid over and along the line of a gas pipe irrespective of clearance.

No manhole or chambers shall be built over or around a gas pipe and no work should be carried out which results in a reduction of cover or protection over a pipe, without consultation with ESP Utilities Group.

Support and Backfill

Where excavation of trenches adjacent to any pipe affects its support, the pipe must be supported to the satisfaction of ESP Utilities Group and must not be used as an anchor or support in any way. In some cases, it may be necessary to divert the gas pipe before work commences.

Where a trench is excavated crossing or parallel to the line of the gas pipe, the backfill should be adequately compacted, particularly beneath the pipe, to prevent any settlement which could subsequently cause damage to the pipe.

In special cases it may be necessary to provide permanent support to the gas pipe, before backfilling and reinstatement is carried out. Backfill material adjacent to gas plant must be selected fine material or sand, containing no stones, bricks or lumps of concrete, etc., placed to a minimum depth of 150mm around the pipes and well compacted by hand. No power compaction should take place until 300mm of selected fine fill has been suitably compacted.

If the road construction is in close proximity to the top of the gas pipe, a "cushion" of selected fine material such as sand must be used to prevent the traffic shock being transmitted to the gas pipe. The road construction depth must not be reduced without permission from the local Highway Authority.

No concrete or other hard material must be placed or left under or adjacent to any Cast Iron pipe as this may cause fracture of the pipe at a later date.

Concrete backfill should not be used closer than 300 mm to the pipe.

Damage to Coating

Where a gas pipe is coated with special wrapping and this is damaged, even to a minor extent ESP Utilities Group must be notified so that repairs can be made to prevent future corrosion and subsequent leakage.

Welding or "Hot Works"

When welding or other "hot works" involving naked flames are to be carried out in close proximity to gas plant and the presence of gas is suspected, ESP Utilities Group must be contacted before work commences to check the atmosphere. Even when a gas free atmosphere exists care must be taken when carrying out hot works in close proximity to gas plant in order to ensure that no damage occurs.

Particular care must be taken to avoid damage by heat or naked flame to plastic gas pipes or to the protective coating on other gas pipes.

Leakage from Gas Mains or Services

If damage or leakage is caused or an escape of gas is smelt or suspected the following action should be taken at once:

- ❖ Remove all personnel from the immediate vicinity of the escape;
- ❖ Contact the National Gas Emergency Service on: **0800 111 999**;
- ❖ Prevent any approach by the public, prohibit smoking, extinguish all naked flames or other source of ignition for at least 15 metres from the leakage;
- ❖ Assist gas personnel, Police or Fire Service as requested.

REMEMBER - IF IN DOUBT; SEEK ADVICE FROM ESP UTILITIES GROUP.

ESP Utilities Group can be contacted at:

Office Address: Bluebird House, Mole Business Park, Leatherhead, Surrey, KT22 7BA

Office Tel: 01372 587 500; **Fax:** 01372 377 996

Searches - Cornerstone Projects Ltd

From: EnergyAssets@safedigs.co.uk
Sent: 28 November 2022 09:47
To: searches@cornerstoneprojects.co.uk
Subject: Plant Enquiry Ref Job No. 27748716
Attachments: EAN20921_1.pdf

28/11/2022

LinesearchbeforeUdig ref: 27748716

Your ref: 21112022

Dear Sir/Madam,

Thank you for contacting us regarding equipment and apparatus operated by Energy Assets Networks.

We can confirm that Energy Assets Networks currently has (or is planning to have) gas pipes or cables in the vicinity of your proposed works. A copy of our drawings and site location has been enclosed to aid you in locating them.

We will do everything that we can to assist you in safe working procedures. However, it is important to note that we are not responsible for any incidents or accidents that may occur during your work around our network.

Furthermore, we draw your attention to the following general guidance notes:

- This information is given as a general guide for information purposes only and Energy Assets Networks gives no warranty, representation, or guarantee, whether express or implied, that the content is accurate, complete, or up to date.
- Where applicable, 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 Energy Assets Networks, its agents, servants or contractors for any error, omission, or misstatement.
- Please note that all Energy Assets Networks equipment on site should be assumed to be LIVE until proven otherwise.
- Referral to the HSE document HSG47 is essential for any information regarding trial holes and safe digging practice when working near our networks. A copy of this document can be downloaded from the following HSE website link - <https://www.hse.gov.uk/pubns/books/hsg47.htm>.
- Energy Assets Networks reserves its position completely to enforce the terms of any easement against the landowner, even if this results in any planning permission granted not being able to be fully implemented.
- You must not build over any of our plant or enclose our apparatus or equipment.
- Additional costs may be incurred if our plant must be relocated due to your proposed works.
- Do please note that other utility network operators may have assets in the area which could be affected by your proposed works.
- In the case of an emergency please use the phone number listed below

If you require advice in connection with your search, please contact the relevant number below.

Your sincerely,

Energy Assets Networks

Pipelines: 01506 425 362
pipelines@EnergyAssets.co.uk

Networks: 0333 666 2008
info@energyassetsnetworks.co.uk

Gas Emergency Number
0800 111 999

Electric Emergency Number
0333 800 2016

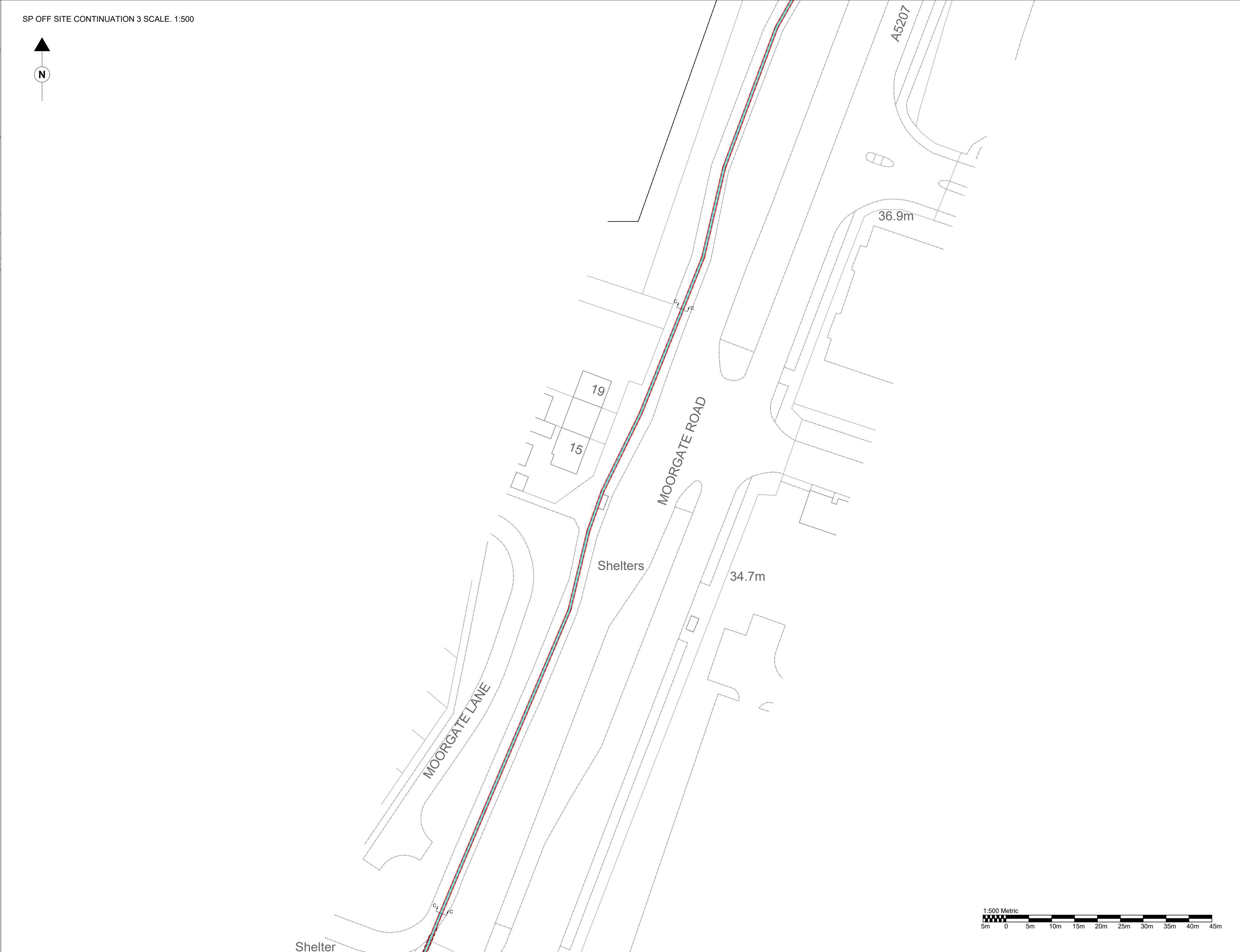
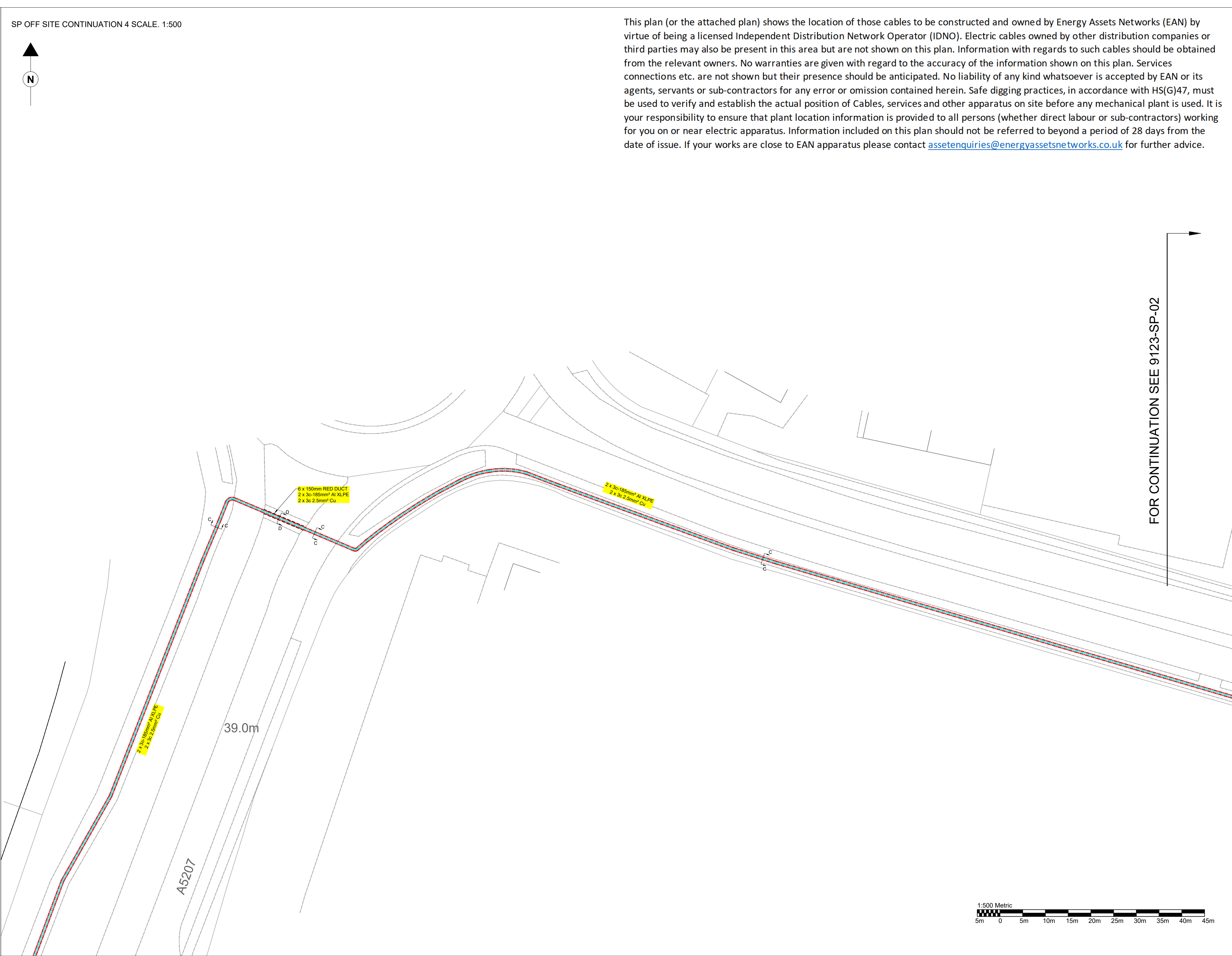
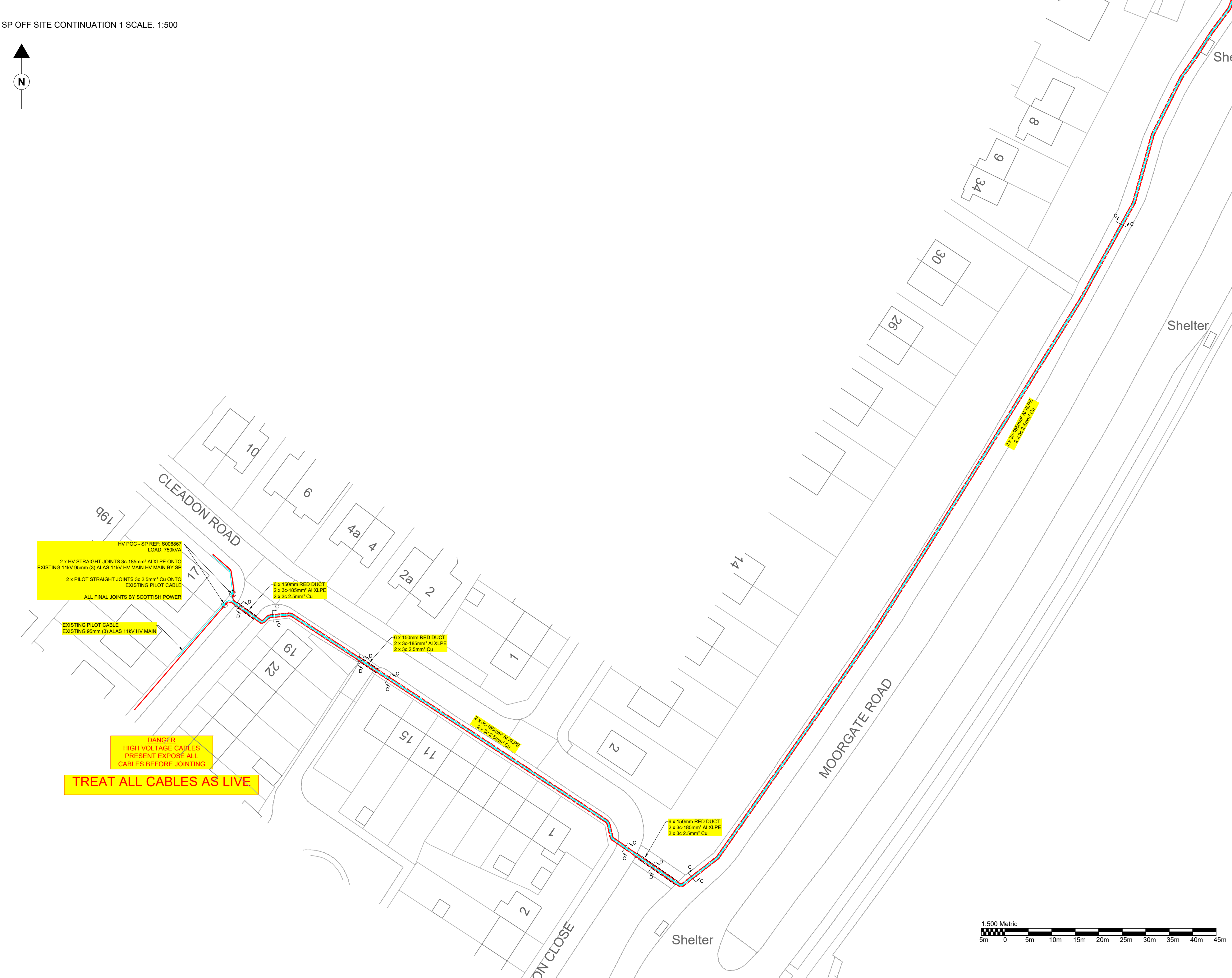
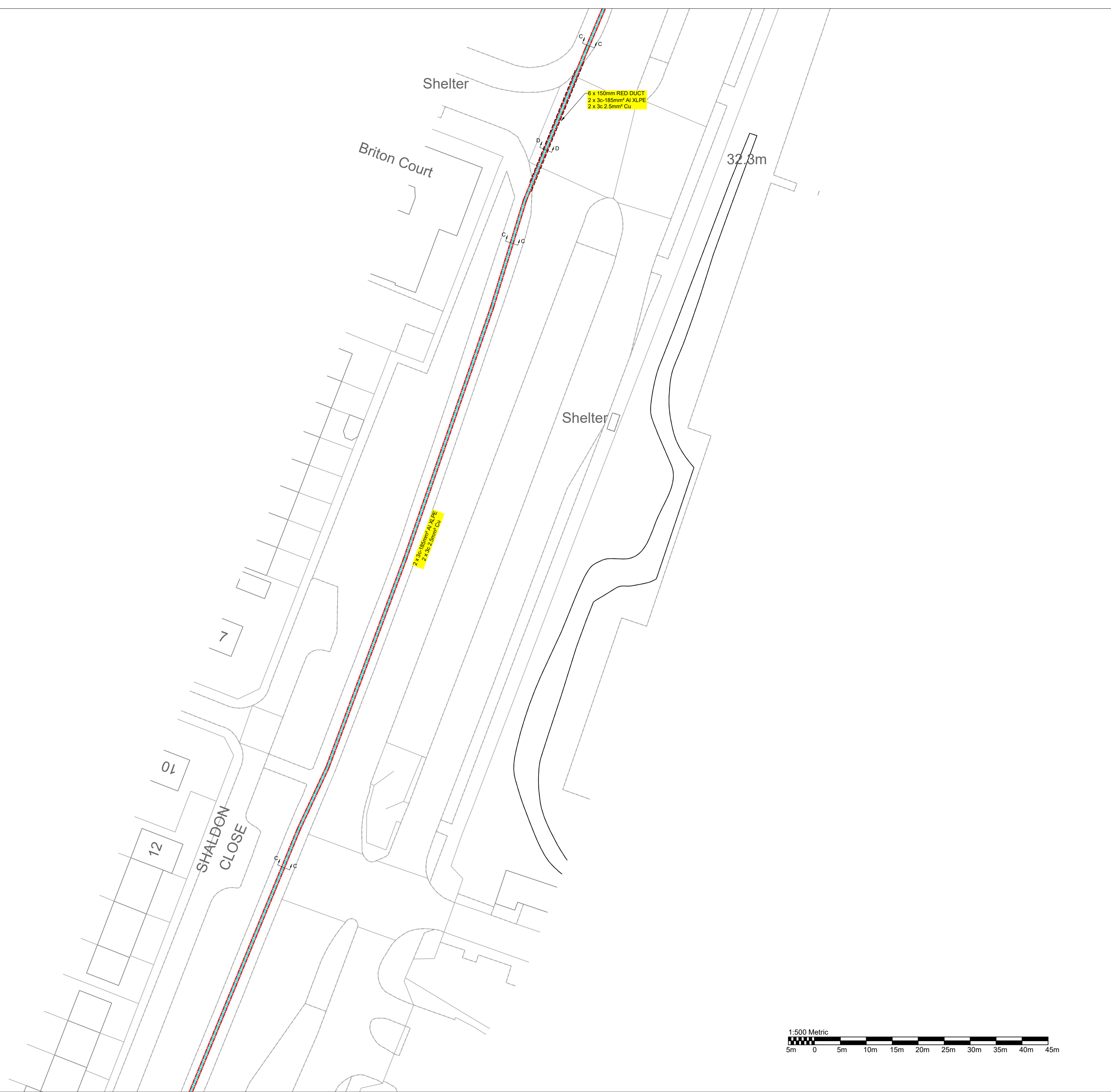
LinesearchbeforeUdig:

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

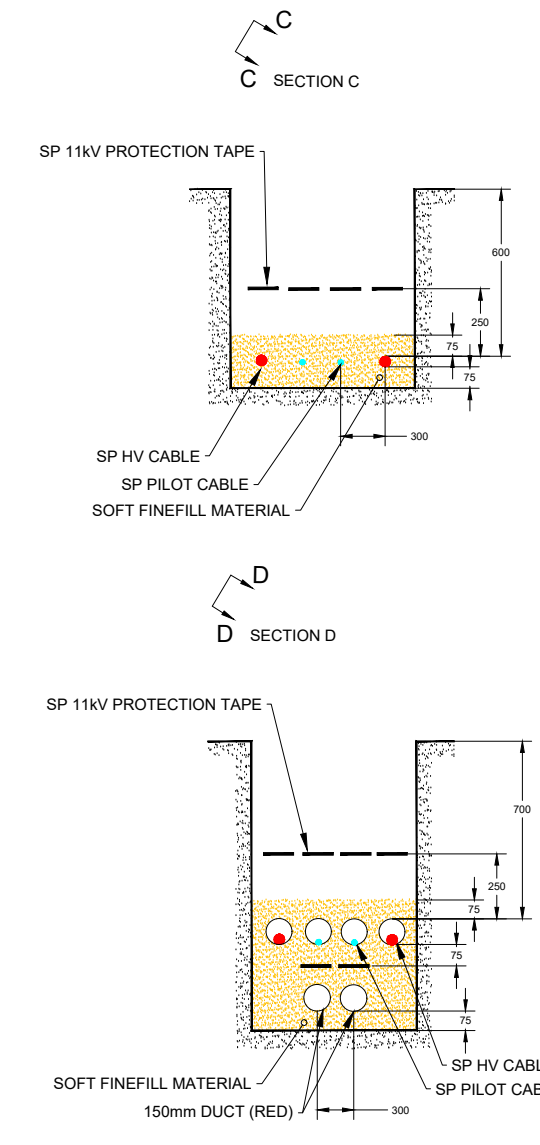
Telephone: 0845 437 7365

Email: enquiries@lsbud.co.uk

Website: www.lsbud.co.uk



FOR CONTINUATION SEE 9123-SP-02



MANPS CABLE DUCTING

- SHALL BE TO ENATS 12-24, EMBOSSED "ELECTRICAL CABLE DUCT" ON OPPOSING SIDES.
- DUCTING SHALL BE BLACK
- 1 x "SPARE" CABLE DUCT SHOULD BE INSTALLED AT ROAD CROSSINGS.
- SIZES GIVEN ON DRAWINGS REFER TO INTERNAL DIAMETER

BACKFILL:

THE BACKFILL AROUND THE CABLES SHALL BE FREE OF SHARP EDGED STONES AND RUBBLE. DUE TO BE DECCED IN 150mm SOFT SAND & TYPE 1 STONE UP TO BASE COURSE IN ACCORDANCE WITH THE DMO & IONO GRI AND NSWRA REQUIREMENTS.

WARNING

ALL EXCAVATION SHOULD BE DONE BY TAKING THE APPROPRIATE SAFETY PRECAUTIONS IN THE 'HEALTH & SAFETY EXECUTIVE GUIDE N046747156447' 'AVOIDING DANGER FROM UNDERGROUND SERVICES' TAKING COGNIZANCE OF THE FACT THAT OTHER PLANT MAY BE IN THE VICINITY WHICH IS NOT SHOWN ON THE PLANS.

DRAWING KEY	
SOLID LINE - EXISTING CABLEING, COLOUR DEFINES VOLTAGE RATING	VARIES 
DASHED LINE - PROPOSED CABLEING, COLOUR DEFINES VOLTAGE RATING	VARIES 
PROPOSED 110KV MAIN CABLEING	RED 
PROPOSED LV MAINS CABLEING	BLUE 
PROPOSED LV SERVICE CABLEING	PURPLE 
PROPOSED CABLE DUCT	
PROPOSED EARTHING CABLE	GREEN 
PROPOSED EARTHING ROD(S)	
B.J (BREECH JOINT), S.J (STRAIGHT JOINT), B.E (BOTTLE END), SERVICE JOINT	VARIES    
CABLE JUNCTIONS	   
PHASE ALLOCATION:	
3 PHASE METER LOCATION	
APPROXIMATE SITE BOUNDARY	
UNMETERED STREET LIGHTING COLUMN	

****Planning Drawing Only****
Obtain up-to-date utility records from asset owner before commencing work.

The details supplied on this drawing are intended to be used for information only and are not representative of any binding or contractual agreement between R & D Network Design and any other parties involved. The position of existing mains is given for guidance only and, as such, no liability can be accepted by R & D Network Design Ltd for any damage caused to, nor any injury sustained, as a result of interference with such apparatus.

Before any onsite works commence an up to date copy of the relevant utility records must be obtained.



R & D Network Design Ltd
Blue Pit Mill
Queensway
Rochdale
OL11 2YW

Client	KOR ENERGY	Client Ref	KOR1127
Site Address	Sugarich, Deacon Park, Liverpool, L33 7RX		
Title	SITE PLAN - WITH CABLE DETAILS		
Drawn By	SC	Date	01/11/2021
Checked By	DS	Date	01/11/2021
Approved By	ICP	Date	
Scale	VARIES @ A0		
Revision	A		
Drawing No	9123/SP/01		

Searches - Cornerstone Projects Ltd

From: Network Enquiries <networks.enquiries@eclipsepower.co.uk>
Sent: 28 November 2022 09:21
To: Searches - Cornerstone Projects Ltd
Subject: RE: Plant enquiry - Site Ref. 21112022 Deacon Park - Moorgate Road,, Kirby, Knowsley, L33 7RX - NGR E342529 N397575

Dear Sir/ Madam,

Thank you for your email. I can confirm that we have no present projects in the illustrated area as demonstrated in your email.

This response is valid for 3 months, after this time has commenced, we request you submit another email demonstrating the location of your plans.

If you have any further queries, do not hesitate to contact me.

Kindest regards,
Harry Constantine
Eclipse Power
Office: +44 (0) 1234 486487
www.eclipsepower.co.uk
<https://www.linkedin.com/company/eclipse-power-networks>



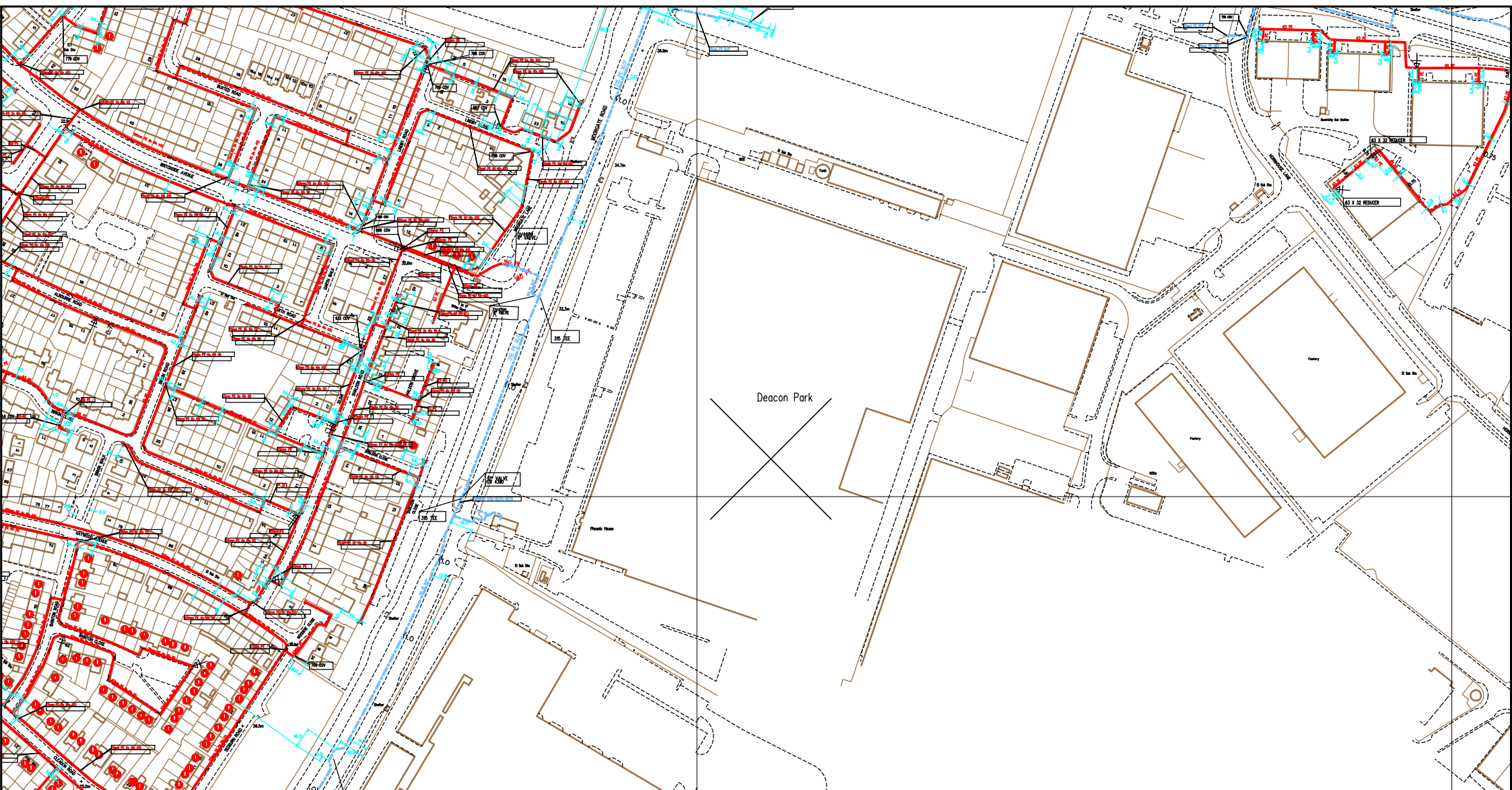
This e-mail is intended exclusively for the individual(s) to whom it is addressed and may contain information that is privileged, or confidential. If you are not the addressee, you must not read, use or disclose the contents of this e-mail. If you receive this e-mail in error, please notify enquiries@eclipsepower.co.uk giving the name of the sender and delete the e-mail immediately. Eclipse Power has taken every reasonable precaution to ensure that an attachment to this e-mail has been checked for any viruses. Eclipse Power cannot, however, accept liability for any damage sustained as a result of software viruses and would strongly advise that you carry out your own virus checks before opening any attachment.



Please don't print this e-mail unless you really need to!

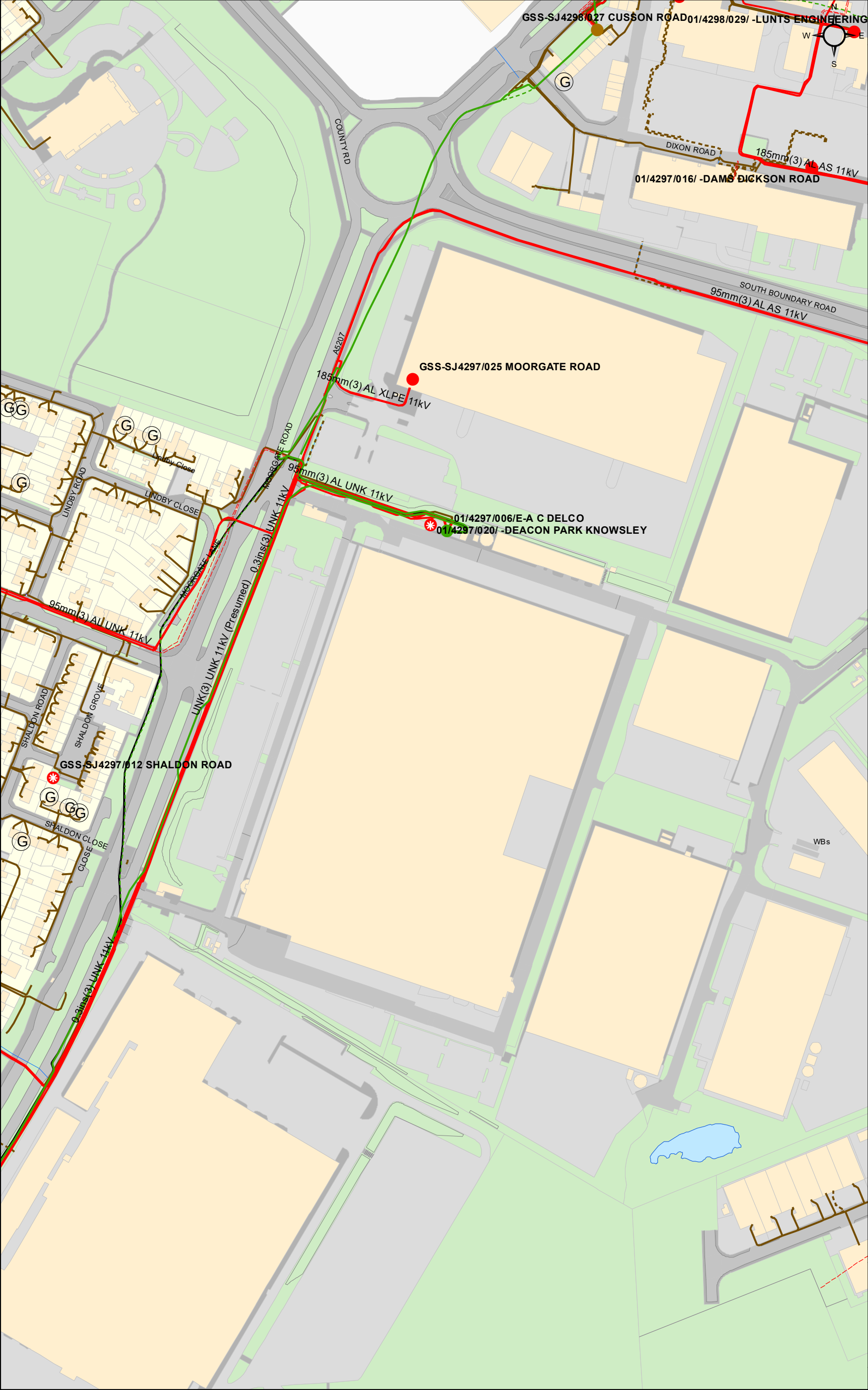
From: Searches - Cornerstone Projects Ltd <searches@cornerstoneprojects.co.uk>
Sent: 28 November 2022 08:45
To: Searches - Cornerstone Projects Ltd <searches@cornerstoneprojects.co.uk>
Subject: Plant enquiry - Site Ref. 21112022 Deacon Park - Moorgate Road,, Kirby, Knowsley, L33 7RX - NGR E342529 N397575

Dear Sir/Madam,



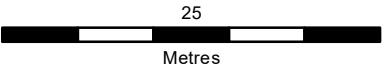
SCALE: Not to scale		LP MAINS MP MAINS IP MAINS LHP MAINS	This plan shows those pipes owned by Cadent Gas Ltd in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained 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 Cadent Gas Ltd 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 5.8.0.1
USER ID: Stephen				Local Machine This plan is reproduced from or based on the OS map by Cadent Gas Ltd, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved.
DATE: 18/11/2022				
EXTRACT DATE: 05/09/2022				
MAP REF: SJ4297				
CENTRE: 342539, 397564				
Some examples of Plant Items: Valve Depth of Cover Syphon Diameter Change Material Change Out of Standard Service				

Your Name	Contractor	Contact Tel No.	Work Complete Date
Exact location of works			Sketch No.
Engineer	NOTE - All fields are mandatory. Returns without requested information will be rejected and project completion may be delayed.		Project ID/ S9 Notification



INCD No.
FREP / Fault / Job No.
Easting & Northing 342,549, 397,612
Scale 1 : 2,500

Your Name		Contractor		Contact Tel No.		Work Complete Date	
Exact location of works						Sketch No.	
Engineer		NOTE - All fields are mandatory. Returns without requested information will be rejected and project completion may be delayed.				Project ID/ S9 Notification	
						INCD No.	
						FREP / Fault / Job No.	
						Easting & Northing 342,370, 397,510	
						Scale 1 : 500	





WE ARE SMART & OPTIMISED

Contact Address

Building One, Suite 3A
Wilson Park, Monsall Road
Manchester, M40 8WN

Tel: +44(0)161 222 4650
Email: enquiry@smopct.com
Web: www.smopct.com

