Appendix 6

Scotia Gas Networks Asset Plans

Our Ref: 12852441 Your Ref: 23013

Wednesday, 16 May 2018

Nathan Shields
11 Tungsten Building George Street
Fishersgate
Sussex
BN41 1RA

Dear Nathan Shields

Thank you for your enquiry dated Wednesday, 16 May 2018

Please find an extract from our mains records for your proposed work area, any SGN assets are described in the map legend. **On some occasions blank maps may be sent to you, this is due to your proposed work being in a no gas area but within our operational boundaries.**

This mains record only shows the pipes owned by SGN in our role as a Licensed Gas Transporter (GT). Please note that privately owned gas pipes or pipes owned by other GTs may be present in this area and information regarding those pipes needs to be requested from the owners. If we know of any other pipes in the area we will note them on the plans as a shaded area and/or a series of x's.

The information shown on this plan is given without obligation or warranty and the accuracy cannot be guaranteed. Service pipes, valves, siphons, stub connections etc. are not shown but their presence should be anticipated. Your attention is drawn to the information and disclaimer on these plans. The information included on the plan is only valid for 28 days.

On the mains record you may see the low/medium/intermediate pressure gas main near your site. There should be no mechanical excavations taking place above or within 0.5m of a low/medium pressure system or above or within 3.0m of an intermediate pressure system. You should, where required confirm the position using hand dug trial holes.

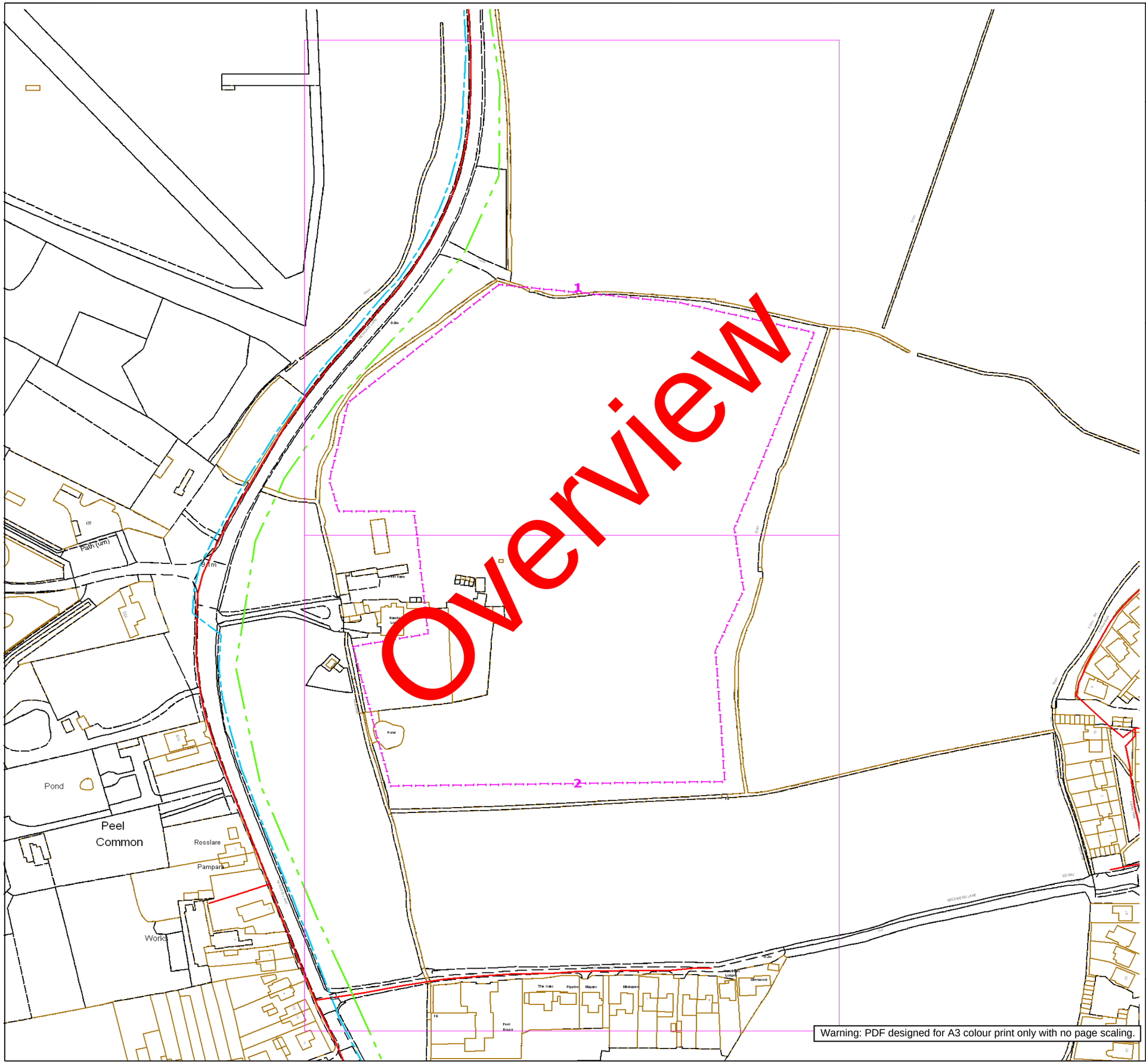
A colour copy of these plans and the gas safety advice booklet enclosed should be passed to the senior person on site in order to prevent damage to our plant and potential direct or consequential costs to your organisation.

Safe digging practices in accordance with HSE publication HSG47 "Avoiding Danger from Underground Services" must be used to verify and establish the actual position of the 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 relevant people (direct labour or contractors) working for you on or near gas pipes.

It must be stressed that both direct and consequential damage to gas plant can be dangerous for your employees and the general public and repairs to any such damage will incur a charge to you or the organisation carrying out work on your behalf. Your works should be carried out in such a manner that we are able to gain access to our apparatus throughout the duration of your operations.

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

Yours sincerely,
The Safety Admin Team
For more information, visit our Dig Safely pages on sgn.co.uk
Tel: 0800 912 1722



N
W E
S

SGN
Your gas. Our network.

Contact Us

Mapping Enquiries:
All areas

General Enquiries:
All areas

Date Requested: 16/05/2018
Job Reference: 12852441
Site Location: 457183 103269
Requested by:
Mr Nathan Shields
Your Scheme/Reference:
23013

This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc. are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Safety Admin Team on 0800 912 1722 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. Safe digging practices, in accordance with HS (G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA
0800 111 999

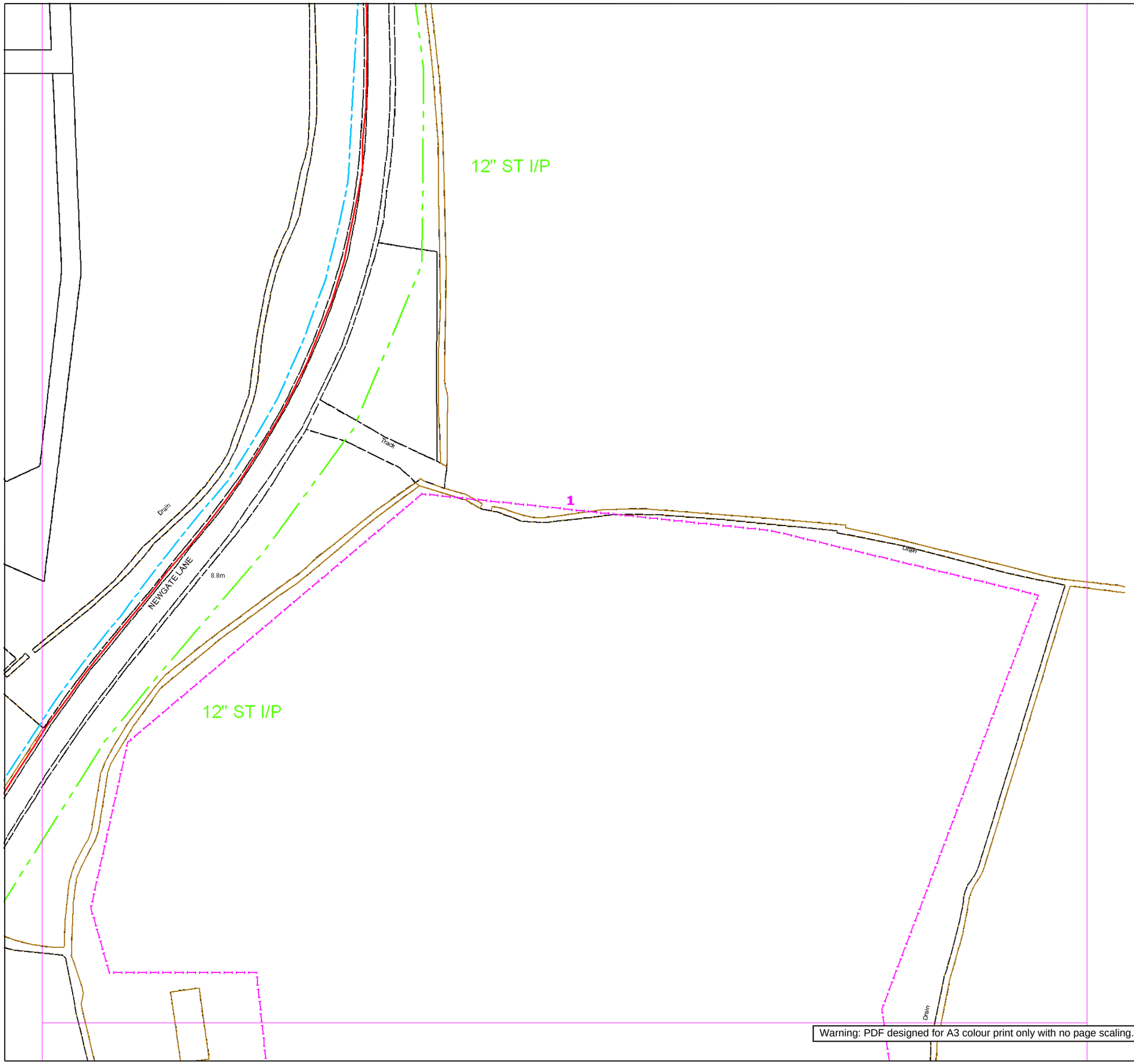
Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
LAs
GTs
SSSIs

Some Examples Of Plant Items
Valve | Syphon | Depth of Cover | Diameter Change | Material Change

Digsite: Line: Area:

Linesearch beforeUdig

Warning: PDF designed for A3 colour print only with no page scaling.



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All areas

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Job Reference: 12852441
Site Location: 457183 103269
Requested by:
Mr Nathan Shields
Your Scheme/Reference:
23013
Exact Scales:
1:1000 Area or Circle dig site
1:1000 Line dig site

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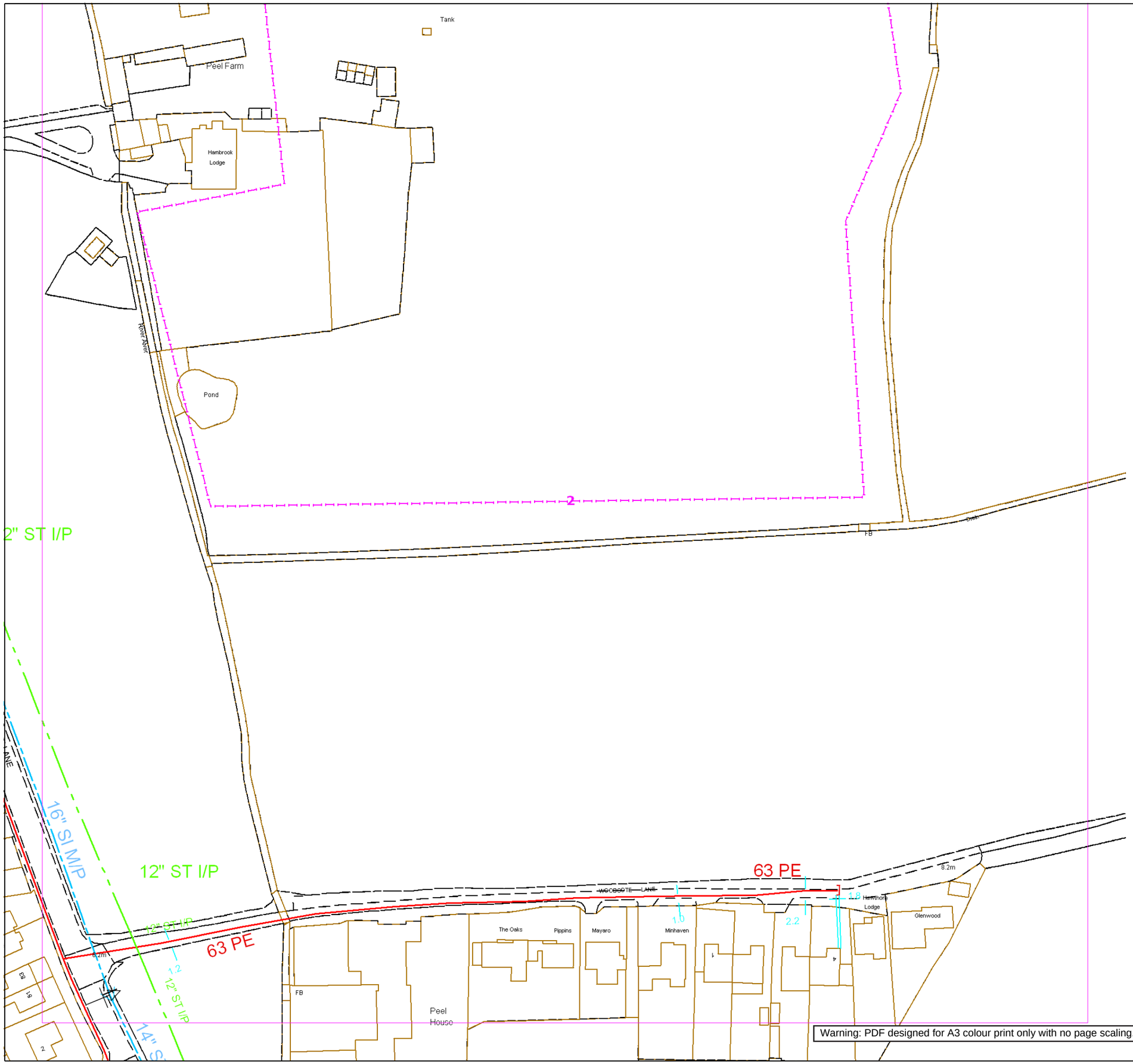

N W E S

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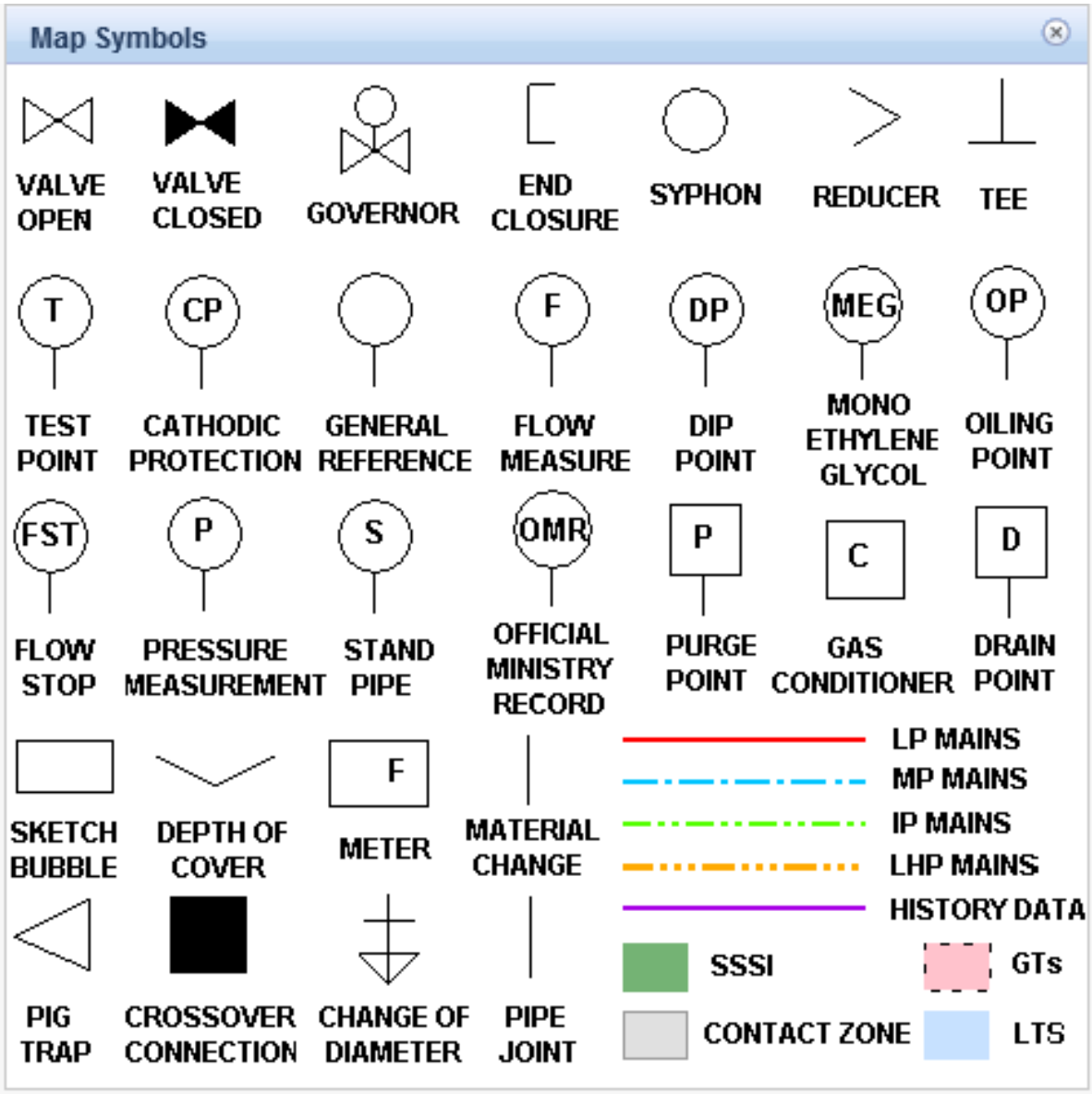
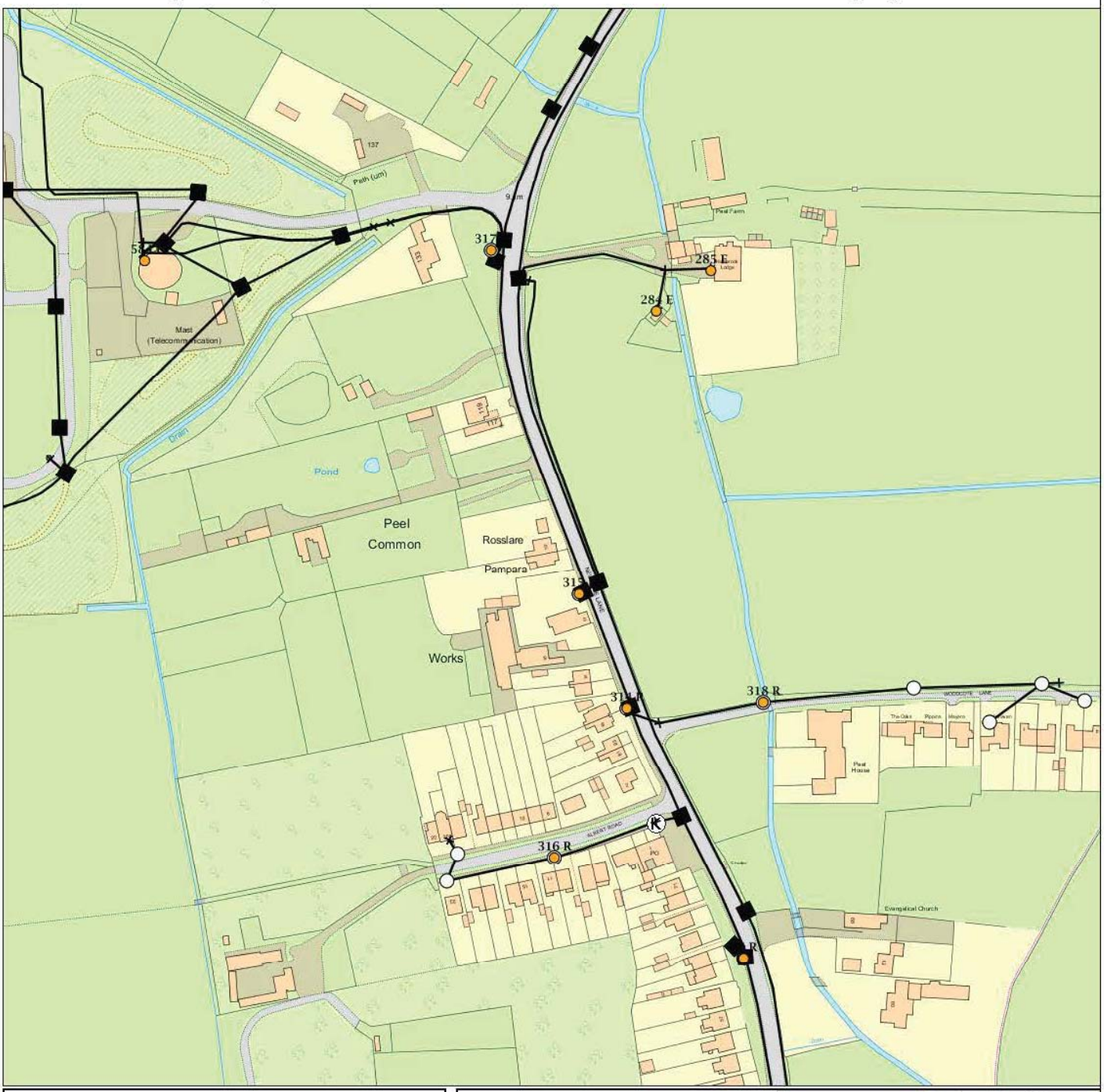

Map Symbols
VALVE OPEN
VALVE CLOSED
GOVERNOR
END CLOSURE
SYPHON
REDUCER
TEE
T
TEST POINT
CP
CATHODIC PROTECTION
GENERAL REFERENCE
F
FLOW MEASURE
DP
DIP POINT
MEG
MONO ETHYLENE GLYCOL
OP
OILING POINT
FST
FLOW STOP
P
PRESSURE MEASUREMENT
S
STAND PIPE
OMR
OFFICIAL MINISTRY RECORD
P
PURGE POINT
C
GAS CONDITIONER
D
DRAIN POINT
SKETCH BUBBLE
DEPTH OF COVER
F
METER
MATERIAL CHANGE
LP MAINS
MP MAINS
IP MAINS
LHP MAINS
HISTORY DATA
PIG TRAP
CROSSOVER CONNECTION
CHANGE OF DIAMETER
PIPE JOINT
SSSI
GTs
CONTACT ZONE
LTS

Appendix 7

BT Openreach Asset Plan

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

KEY TO BT SYMBOLS

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

Other proposed plant is shown using dashed lines.
BT Symbols not listed above maybe disregarded.
Existing BT Plant may not be recorded.
Information valid at time of preparation

BT Ref : XUE095060
Map Reference : (centre) SU5700703088
Easting/Northing : (centre) 457007,103088
Issued : 29/03/2018 09:50:31

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

Appendix 8

GTC Budget Quotation

GTC Ref: South East/34109990/408232

Budget Quotation for: Newgate Lane, FAREHAM, Hampshire, PO14 1BA

Prepared for: The Civil Engineering Practice

GTC Contact: Katy Taylor

Mob: 07711 368781

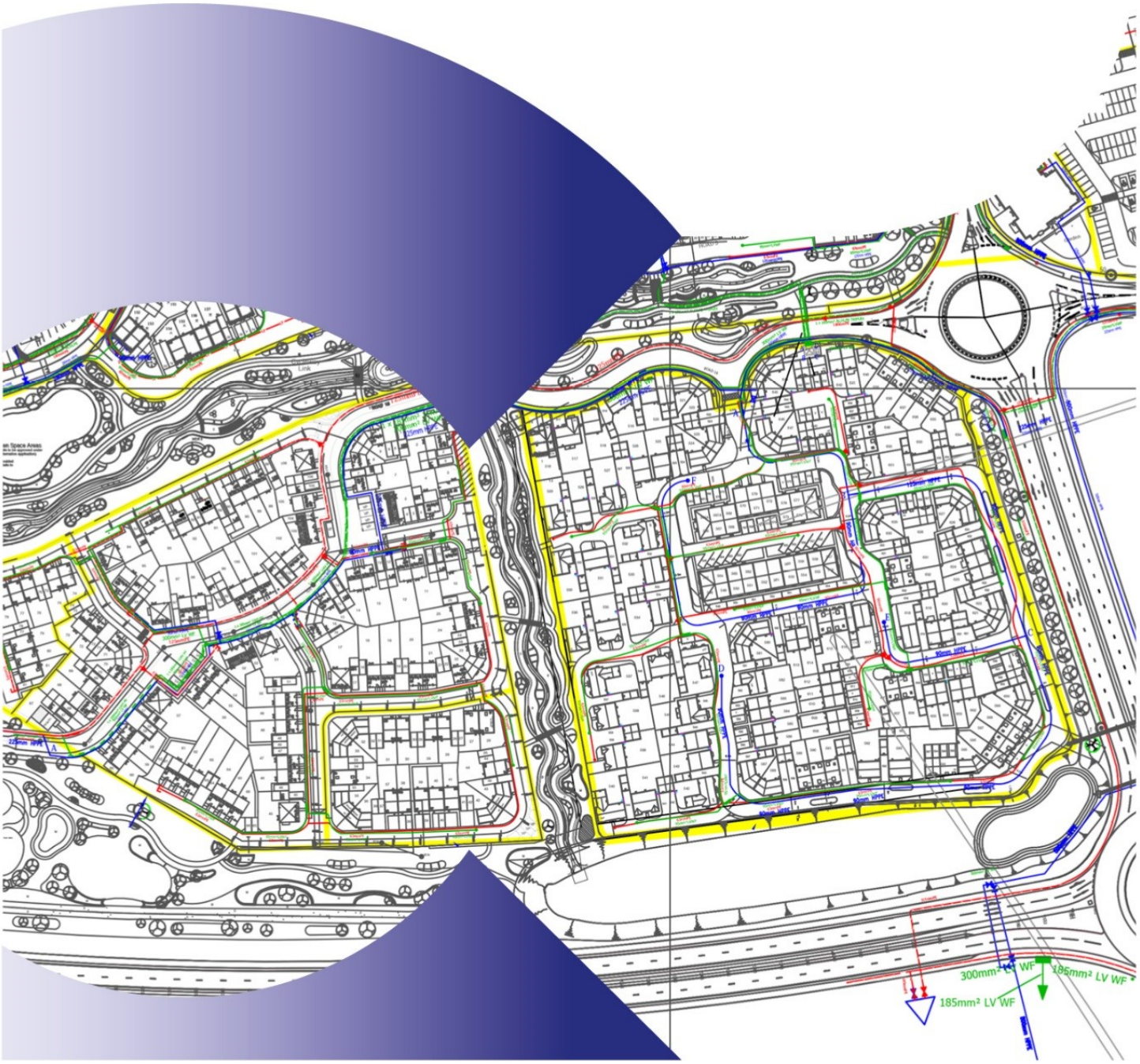
Tel: 01359 240154

Date of Quotation: 17 May 2018

Gas

Electricity

Fibre



1.0 INTRODUCTION

Summary of Offer

Following your recent enquiry regarding the project at Newgate Lane, FAREHAM, Hampshire, PO14 1BA, we have used the information you provided GTC to produce a budget costing to meet your requirements. GTC's price to provide to provide gas, electricity & fibre infrastructure (based on the terms of offer set out in this quotation) is a contribution from The Civil Engineering Practice to GTC of £85,145.02. This figure is nett of the total fibre rebate, giving the advantage of no administration burden for you to claim the individual plot rebates as they are connected.

Breakdown of Offer

Onsite Costs

This is the cost to provide mains and services to the development within the site boundary:

On-site works	
You pay GTC	**£58,758.83**

Offsite Costs

These costs include any off-site costs that are required, including the costs of Upstream Network Operators (NWO), to complete the work to supply your site:

Off-Site Works	
Off-site works (GTC) – Gas:	£12,898.66
Network Operator Costs – Gas:	£0.00
Off-site works (GTC) – Electricity:	£5,487.53
Network Operator Costs – Electricity:	£8,000.00
TOTAL OFFSITE – You pay GTC	**£26,386.19**

Additional Fibre Network Value to Help with Comparison to Other Providers Quotes

This offer is based on GTC's innovative fibre installation method which means The Civil Engineering Practice will no longer have the cost or hassle of laying a duct and chamber network. This should provide you a further construction cost saving estimate of £130.00 per plot.

Estimated Value to The Civil Engineering Practice of Construction Costs Saved	
200 plots with £130.00 per plot saving	**£26,000.00**

2.0 SITE DETAILS

Schedule of Domestic Plots

Property Type	1BF	2BF	2BS	2BT	3BD	3BS	3BT	4BD	4BS	4BT	5BD	Total
Gas	4	20	22	14	14	50	16	34	14	4	8	200
Electricity	4	20	22	14	14	50	16	34	14	4	8	200
Fibre	4	20	22	14	14	50	16	34	14	4	8	200

3.0 TERMS OF OFFER

Gas Terms

GTC have assumed a Low Pressure connection to feed this site.

This quotation includes the excavation and reinstatement costs in the public highway which will be carried out by GTC from the point of connection to the site. GTC have assumed a connection off the GDN/iGT 4" Metallic Low Pressure main adjacent to the site entrance and have allowed for 9 metres off-site work (6m road, 3m footpath) from the connection point to the site entrance.

The Developer shall be responsible for all on-site excavation and reinstatement.

GTC have assumed that any existing mains on-site will be abandoned. It is the responsibility of the Developer to arrange works with the gas transporter.

GTC have assumed there are no environmental issues that may impact on the materials or methods of installation of its proposed networks.

GTC have assumed all mains and services feeding 200 properties will be in trenches pre-excavated by the Developer.

GTC's mains will typically be laid down one side of the estate roads to minimise on road crossings, service lengths and mains lengths.

This quotation is based on smart meters in cavity meter boxes.

This quotation is based on all smart meters at the properties being installed by GTC (or its subcontractor) and owned by GTC Pipelines Limited. If the Developer wishes to appoint a third party to install and/or own any gas meters at any of the properties, it shall obtain GTC's prior written consent to do so and, in such circumstances, GTC reserves the right to amend the amounts payable under this quotation accordingly.

GTC's Technical Guidelines for Gas can be found here: http://www.gtc-uk.co.uk/technical-guidelines

Electricity Terms

This quotation includes indicative electric point of connection (PoC) and off-site costs. Costs associated with the PoC are therefore subject to change.

Please note: PoC and off-site costs will be provided when the upstream DNO has provided these details in full. However, PoC and non contestable charges will be the same regardless of who is to own the network.

GTC have assumed a High Voltage (HV) connection due to the size of the site and as such 1 substation will be required and the costs are included in this quote. GTC have assumed that the Developer will carry out all civil works associated with the substation at their own cost.

This quotation includes the excavation and reinstatement costs in public highway (3m footpath), which will be carried out by GTC.

GTC have assumed that the Developer will construct a brick-built housing for the substation(s) to GTC specifications.

If the development is in an area that the environment agency consider to be susceptible to a risk of flooding, then any electrical plant and equipment will need to be established at a level 600mm above the 1 in 100 year predicted flood level, or the Developer will need to guarantee that they have mitigated the risk of flooding by incorporating suitable flood defences.

Diversionary or abandonment works may be required and are excluded from GTC's quote. The details can be obtained by contacting the upstream DNO.

The Developer shall be responsible for all on-site excavation and reinstatement.

GTC have assumed all mains and services feeding 200 properties will be in trenches pre-excavated by the Developer.

GTC's mains will typically be laid down one side of the estate roads to minimise on road crossings, service lengths and mains lengths. This quote does not include ducting as this is the responsibility of the Developer to install suitable ducts and jointing pits at the Developers cost to GTC specifications.

GTC's quote is based on 200 plots having gas heating.

GTC have calculated the total load for the site to be 323kVA.

GTC's quote is based on meter positions for the houses to be external on the front elevation of each property. Where internal meters are to be fitted, the Developer will be responsible for establishing a metering location in accordance with GTC standards (GE-TGI-IG-0015), details of which will need to be confirmed by the Developer.

GTC's quotation excludes meter boxes and hockey sticks. GTC can supply these at an additional charge of £20.60 each for standard meter boxes.

Based on the information you have provided GTC have not included for any lift motors, pumping stations or other disturbing electric loads (such as welders, motors, heat pumps or air conditioning equipment) in GTC's quotation.

GTC's quotation excludes the cost of Temporary Builders Supply (TBS). The indicative cost to connect this is £1,500, this cost assumes the Developer shall be responsible for all excavation and reinstatement; the Developer will provide a weatherproof lockable box/kiosk with suitable internal space to accommodate the meter board the meter location less than 25m from GTC's installed and energised mains. This price includes for the disconnection of the temporary supply upon request.

GTC's quotation excludes the cost to connect adoptable street lighting columns. GTC can connect these for an additional charge, the current price for this work is £275 per column. This cost includes the supply and lay of 9m of service cable between GTC's existing Low Voltage (LV) mains and the street lights, in this cost GTC have assumed you will provide ducting and excavation to GTC specifications. Prior to the energisation of the street lights you will need to have appointed an electricity supplier for the supply of the street lights. Following the first energisation the terms of connection will be as set out in the National Terms of Connection or in a separate agreement between GTC and yourself.

GTC's Technical Guidelines for Electricity can be found here: http://www.gtc-uk.co.uk/technical-guidelines

Fibre Terms

This quotation includes any off-site excavation and reinstatement works required to be completed for a connection from the on-site fibre duct network on the development at the site entrance to the appointed Backhaul Provider. These works will be carried out by GTC.

This quotation is based on GTC installing the fibre infrastructure using Direct Lay methodology as detailed in GTC document GF-TGI-IG-0393 – Direct Lay Fibre to the Home Networks. All the Developer will need to install is the 50mm fibre service duct and complete installation of the chambers.

The Developer shall be responsible for all on-site excavation and reinstatement associated with the installation of the fibre network, including the mains, services and On-Site Convergence Point (OSCP).

The Developer shall be responsible for preparation within the plots to ensure a plot is ready to receive a fibre service. GTC will liaise with you on the specific requirements during the design stages and brief out final requirements at a fibre construction pre-start meeting.

All works should be completed in line with the appropriate Fibre Technical Guidelines (Direct Lay Fibre to the Home Networks GF-TGI-IG-0393 or Fibre to the Home GF-TGI-IG-0016).

To ensure that the homeowners moving into their new property can enjoy the maximum benefit from GTC's Ultra-Fast Fibre Optic Distribution Network, GTC strongly recommend the Developer follows the minimum in-home technical requirements as specified within the appropriate Fibre Technical Guidelines.

This offer includes the option of a Fibre Integrated Reception System (FIRS). If selected, a FIRS signal survey will be performed following acceptance of the proposal to finalise the positioning of the aerials and dish. The FIRS aerials and dish will require a solid mounting within visibility of the terrestrial transmitters and satellite. This mounting would typically be on the wall of a substation, roof top of an apartment block or similar solid object. The mounting must be within approximately 20 metres of the OSCP or cabinet housing the FIRS equipment. If no such object is available an additional charge may be necessary to provide a mast or similar. Should a mast be required you will need to seek the appropriate planning permission for its deployment. Where FIRS equipment is deployed within an apartment block riser it must be fed using a landlord supply and accessible to INGN to inspect, maintain, adjust and repair.

The Developer will need to ensure each plot is correctly wired to ensure a plot is ready to receive a FIRS service. Details on all in home requirements and all associated on-site build requirements can be found in the GTC FIRS Technical Standards GF-CIC-ES-0059.

Additional Developer contribution for FIRS	
The Civil Engineering Practice pays GTC	**£50,863.62**

GTC's Technical Guidelines for Fibre and FIRS can be found here: http://www.gtc-uk.co.uk/technical-guidelines

4.0 CONFIDENTIALITY

This quotation and associated documentation is confidential between GTC, The Civil Engineering Practice and their associated parties for this project. It contains commercially sensitive information and should not be divulged to any other party without written permission from GTC.

Should you be successful in obtaining and developing this site, GTC will be pleased to supply a firm quotation. Please return a detailed site plan and a completed quotation request form. GTC trust that this budget costing will be acceptable and look forward to receiving your instructions.

5.0 CONTACT DETAILS

Should you require further details please do not hesitate to contact your GTC Sales Contact, Katy Taylor (07711 368781) or the Sales Support Team (01359 240154) to discuss further.

Appendix 9

Combined Services Plan

N

EXISTING SERVICES

1. Information compiled from services plans received and reproduced in good faith. Specific locations to be confirmed on site prior to construction.

Legend:

Existing Services

- HV Electric
- LV Electric
- BT
- Water
- Gas
- Overhead Cables 3m Exclusion Zone
- Existing Foul
- Existing Storm

-20m 0 20m 40m 60m 80m

Peel

Rosslare

Pampara

Works

Hambrook Lodge

Peel Farm

Peel House

Pond

Tank

Woodside Lane

Brookers Lane

TITLE

Land at Newgate Lane (Southern Site)
Combined Services Plan

SCALE	PROJECT. No.
1:2000@A3	23013
REPORT TYPE	DRG. No.
US	04 -