



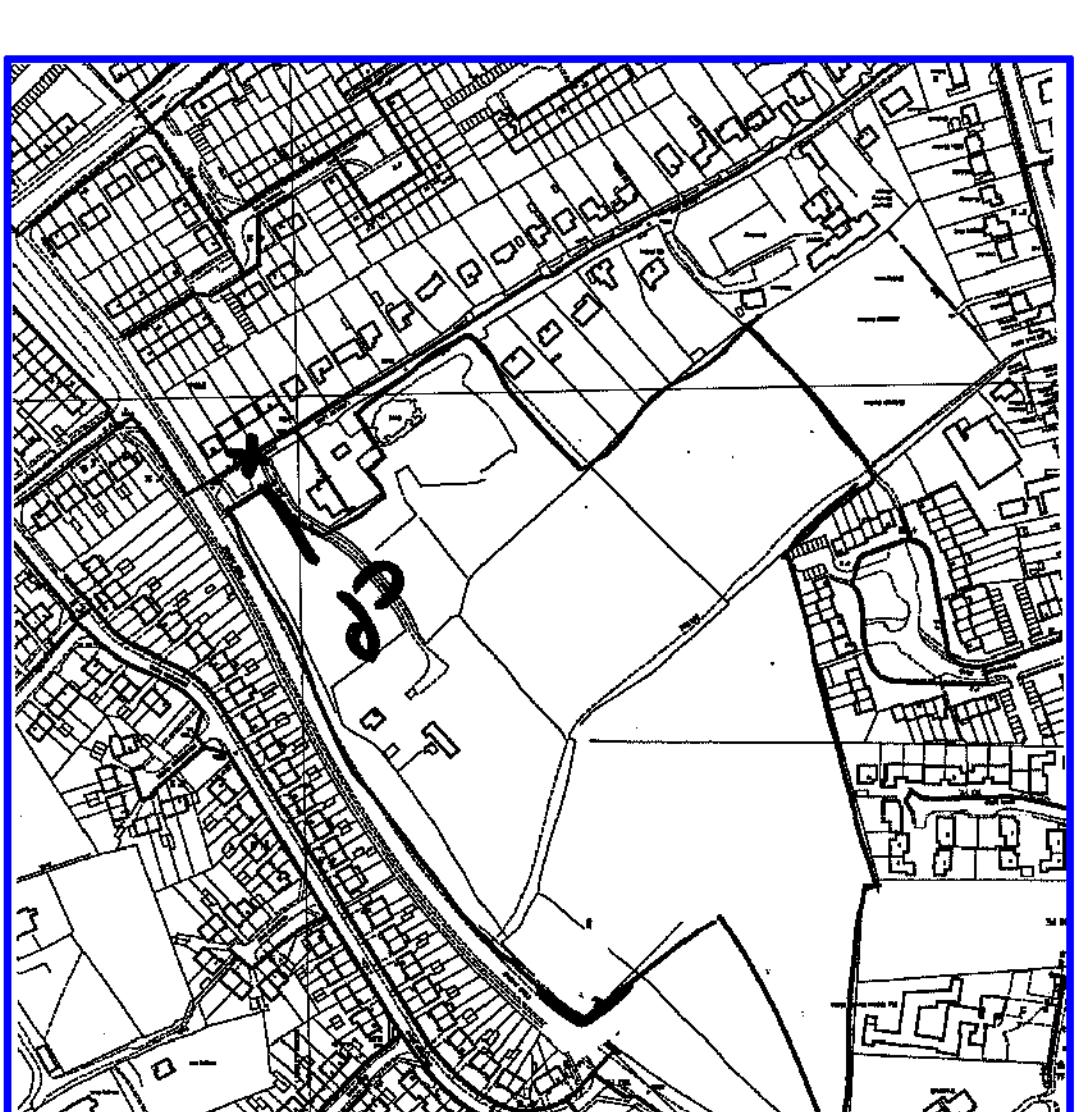
NOTES

The information shown up on this plan is held in the records of the contractor. No copy is to be made without the contractor's permission of British Gas.

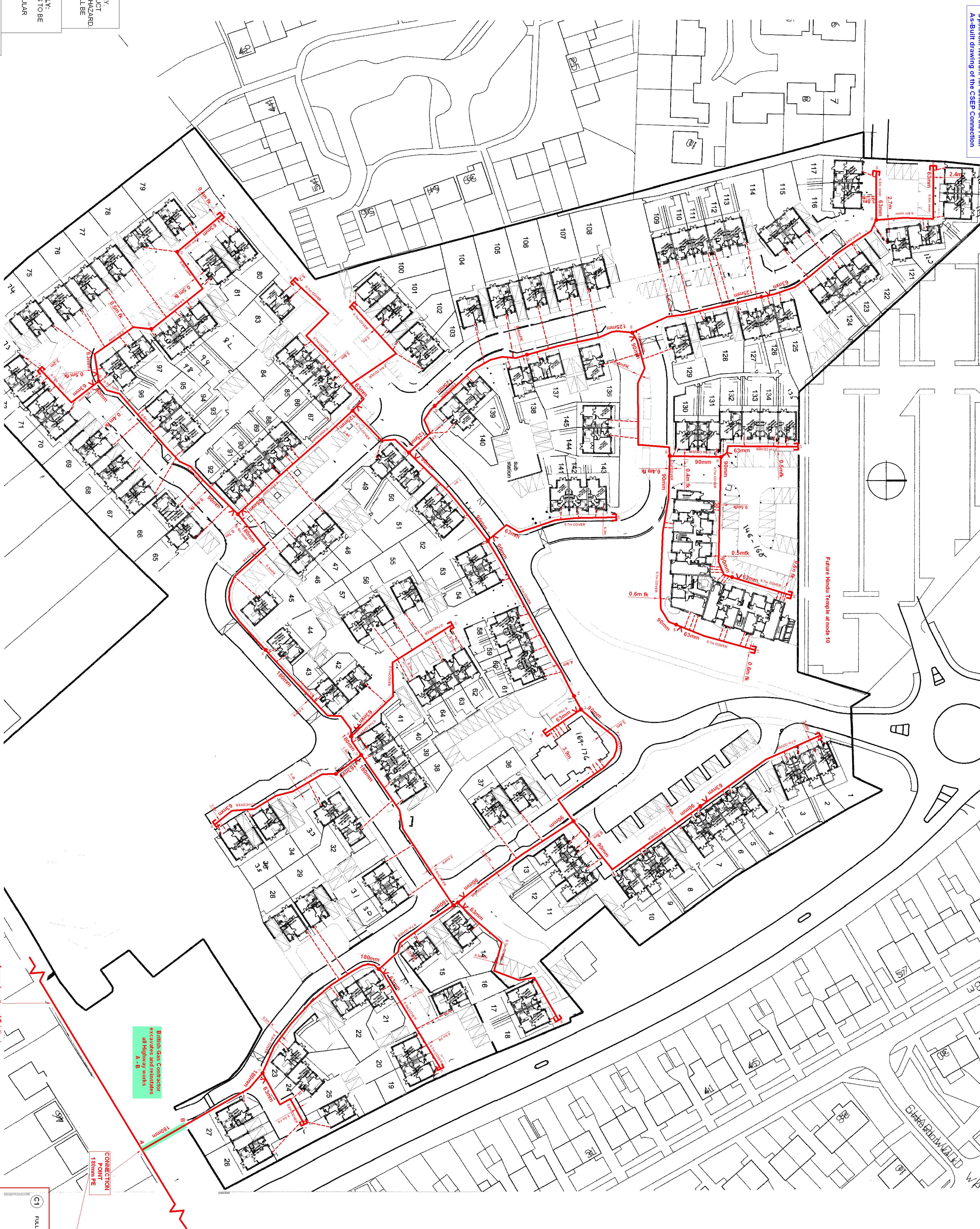
EXISTING PLANT AND EQUIPMENT

The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed. Where service pipe is in or has been in contact with the ground or any other material, it is not to be accepted by British Gas or its agents or contractors for any error or omission. The contractor shall be responsible for any damage to any mechanical plant or other equipment or to any other person or to any property caused by the removal or handling of any plant or equipment.

DO NOT SCALE OFF THIS DRAWING



The CSEF Connection shown is proposed design only. Please refer to the owner of the Upstream Network for details of the Final As-Built drawing of the CSEF Connection



Low Pressure Main System

PE 80 (MDPE) pipes and fittings to Admatics Technologies PLUE part 1

PE 250 part P3E, F2E, V7E part 1 and LGSE

part 4 wall thicknesses SDR11 or SDR13.

COM STATEMENT:

Any information shown on this plan must be used only in conjunction with the

Planning Health and Safety Plan prepared by the

Planning Supervisor must be consulted before any construction work

commences. Any changes in design or conditions of work or information

becoming known at a later date that may adversely impact upon health and safety

of any person, must be notified to the Planning Supervisor and Principal

Contractor as soon as possible

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.

ANY POSITION WHERE DAMAGE COULD OCCUR SHALL BE

AVOIDED.

IF IN DOUBT PLEASE SEEK ADVICE.

NOTE

GAS METER POSITIONS SHOWN ARE INDICATIVE ONLY.

SEMI CONCEALED JENNER BOXES SHALL NOT OBSTRUCT

FLOORPATHS, PASSAGeways, DRIVES OR A TRIP HAZARD.



Plan Notes
This plan shows apparatus owned by the BUUK Group. Any third apparatus indicated on these drawings is shown for indicative purpose only. The information shown on this plan is given without warranty, and accuracy cannot be guaranteed. No liability of any kind whatsoever accepted by the company. Safe digging practices, in accordance with HSG47, must be used to verify and establish the actual position of the apparatus. This plan is reproduced by the permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right. All rights reserved Ordnance Survey Licence number 010002 10633.

Developers Responsibility
When apparatus have been laid it becomes the responsibility of the developer to ensure it is suitably protected. Therefore backfilling should be carried out as soon as possible. Replacement and repair of damaged apparatus, including administrative costs will be fully recharged to the developer. It will be the developer's responsibility to recover the cost from the third parties.

Revision Notes
For a revision history of this network design please see separate revision notes.

1000

10 of 10

1000

10 of 10

10 of 10

10 of 10

1000

10 of 10

10 of 10

ELECTRICITY Main protection of 75mm finefill
WATER surround

A technical diagram of a cable assembly. It shows a black cable with a green connector at the top. Below the connector, the cable passes through a grey rectangular component labeled 'GAS'. The cable then continues to a blue connector labeled 'TER' (terminator). At the bottom, it connects to a grey component labeled 'ECOMMS'. Red arrows indicate the direction of signal flow from the connector through the 'GAS' component and towards the 'TER' connector.

Boundary

450 295 295 270 260 430

2000mm

A circular arrangement of 12 pixels. The pixels are colored black, red, yellow, blue, and gray. To the left of the array, vertical arrows indicate the grayscale value for each pixel: 450 (black), 295 (red), 285 (yellow), 270 (blue), 280 (gray), and 430 (gray).

The diagram illustrates a vertical cross-section of the seabed. From top to bottom, the layers are:

- Electricity Depth: HV 750mm, LV 1200mm; HV 450mm - 500mm; LV 500mm
- AIRPORT US INT'L U/W WAY (Not to Scale)
- Cable TV / Communications Depth: 250mm - 350mm
- Gas Depth: 600mm
- Water Depth: 750mm - 900mm
- Telecommunications

A red line labeled "Boundary" is drawn across the diagram, intersecting the 600mm gas depth line.

| RECOMMENDED POSITIONING OF UTILITIES | |
|---|------------------------|
| Power | Open / Closed Valve |
| Water | Network Boundary Point |
| Gas | Other IGT Boundary |
|  | |
|  | |

HP Pipe > 7bar
HP Pipe 2bar - 7bar

Proposed
Laid

Excavation Carried Out by BULK
Materials Purchase - Standards & Specifications
The trenches highlighted in blue will be excavated and reinstated by contractors, the excavation and reinstatement of the other trenches is the responsibility of the customer.

- Invert meter boxes
- For all meter box types any position where damage could occur, especially from vehicles, shall be avoided.
- Semi-concealed/universal meter boxes shall not:
 - Obstruct footpaths
 - Passageways
 - Drives
 - Be a trip hazard

| Model | Position | Max. Length |
|-------|----------|---------------|
| 1 | Front | 250mm & 320mm |
| 2 | Front | 63mm |
| 3 | Front | 90mm |
| 4 | Front | 125mm |
| 5 | Front | 180mm & 250mm |
| 6 | Front | 315mm |
| 7 | Front | 300mm |
| 8 | Front | 400mm |

| Ducting Specification | |
|---|-----------------------|
| Ducting for mains must be yellow and non-perforated and on used perpendicular carriage-way crossings. | |
| Ducting for services must be yellow and perforated along it's entire length. | |
| Only one pipe is allowed per duct. | |
| Gas Pipe External Diameter. | Duct Inside Diameter. |

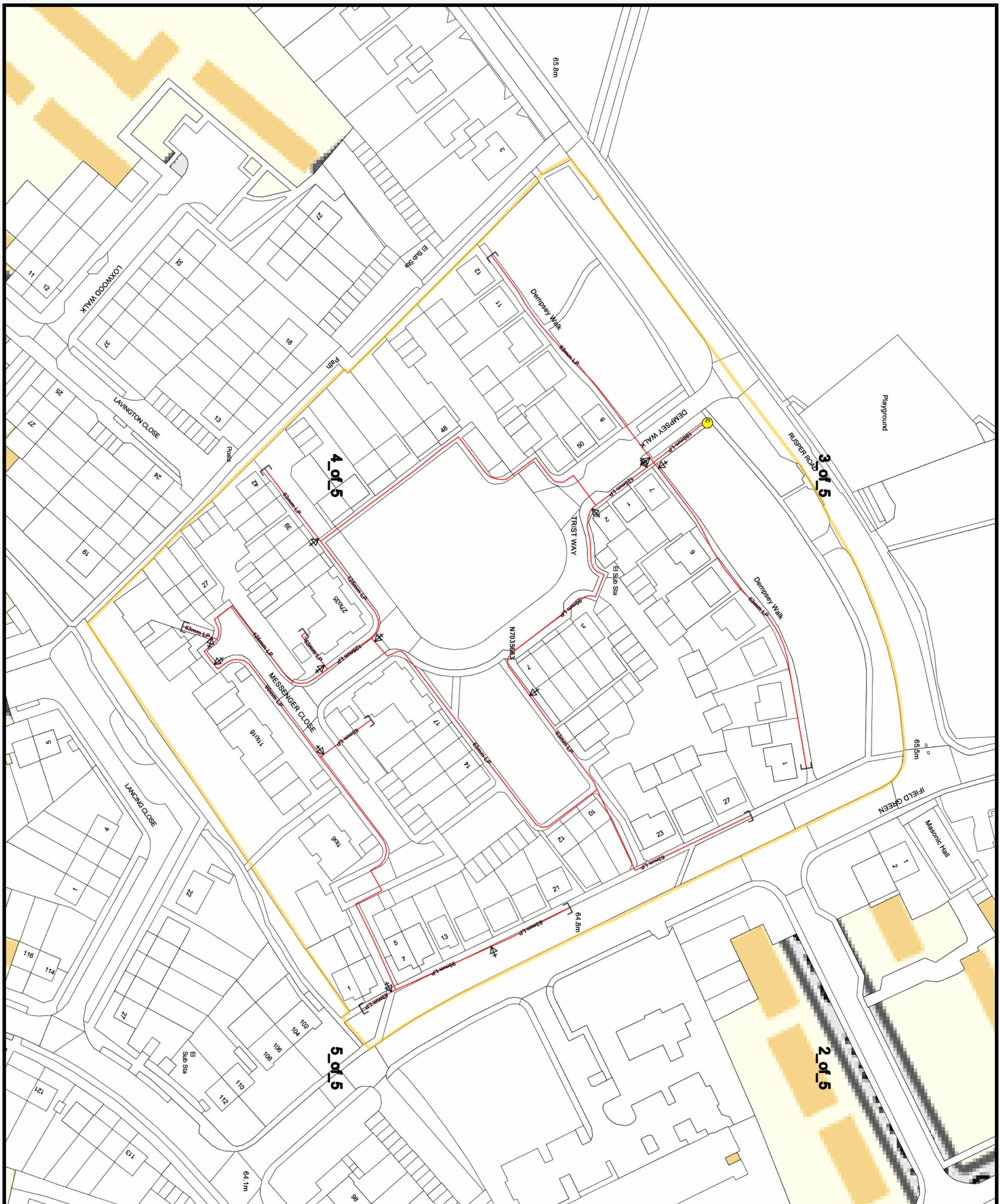
| Minimum Proximity to Properties | | | | | | |
|---------------------------------|--------------------------------|------------|----------|----------|----------|----------|
| Diameter of man (mm) | Minimum Building Proximity (m) | | | | | |
| | <0.075 bar | >0.075 bar | <0.2 bar | >0.2 bar | <5.5 bar | >5.5 bar |
| Up to 125 | 0.25 | 2 | 4 | 6 | 7.5 | 9.5 |
| 126-355 | 1 | 2 | 4 | 6 | 7.5 | 9.5 |
| 356-500 | 1 | 2 | 4 | 8 | 10 | 12 |

11-03-2020

This design is across multiple drawings for details please refer to all drawings.

Gas Notes

All gas mains, services and ducts that shall contain gas pipes, must be overlaid with gas identifiable marker tape 150mm above the apparatus. Gas mains and services should have a minimum of 250mm clearance from other utilities.



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 or 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 1.5m of any apparatus. The information provided relates only to plant previously owned by companies within the Nexus 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.

Legend

Gas Pipe
 ✓ LP Pipe
 ↗ MP Pipe
 ↘ IP or Service Pipe

Gas Node
 ● Connection Point
 ▽ Reducer
 □ Capend
 △ Gas PRI

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

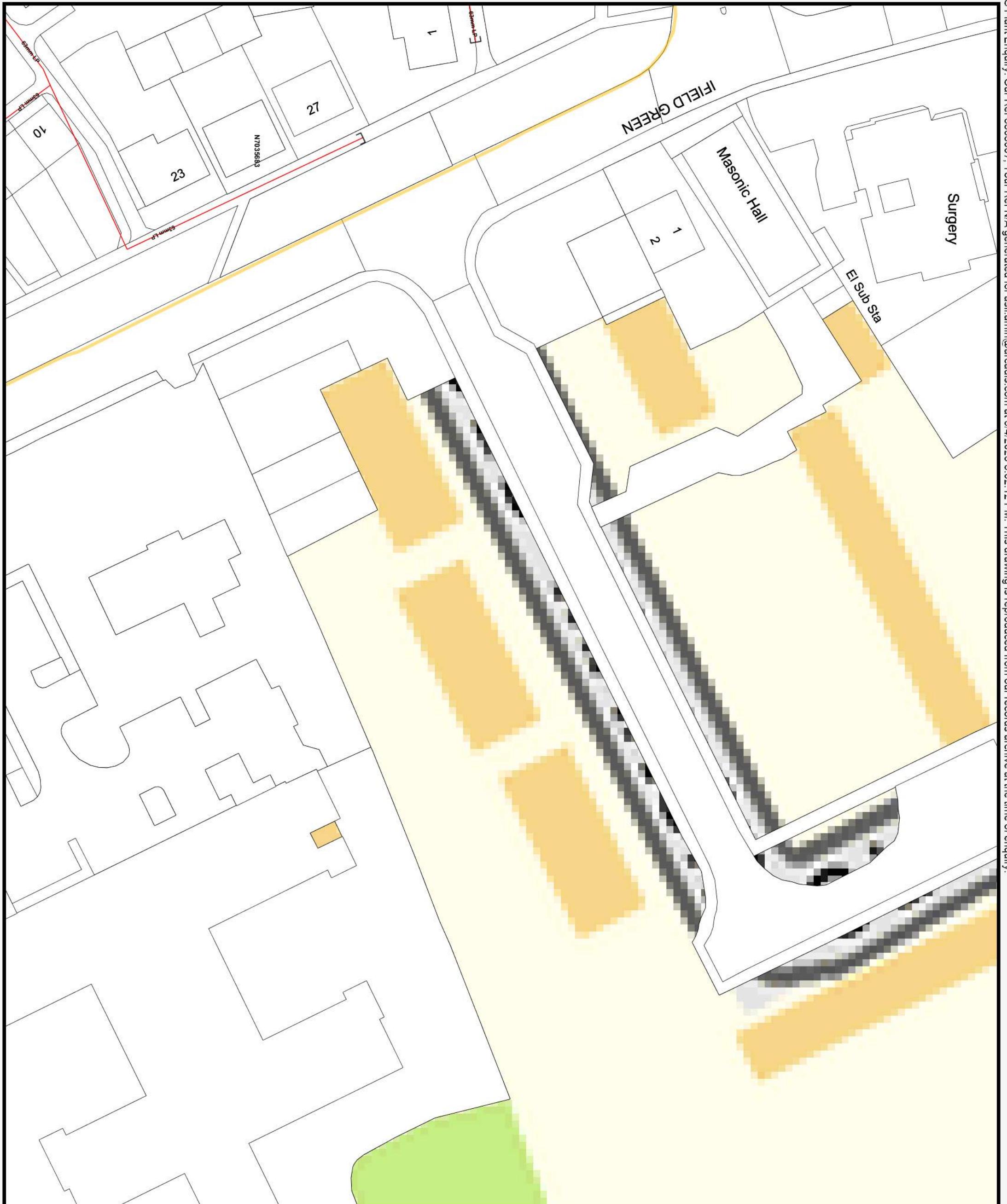


SCALE: 1:1014
 O.S.REF: 525117,137639
 N703563_1_of_5 Gas
 Date: 02-08-2014

A3

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

gtc
 ...leading utility networks



Legend

Gas Pipe
LP Pipe
MP Pipe
IP or Service Pipe
Gas Node
Connection Point
Reducer
Capend
Gas PRI

0
21.6m

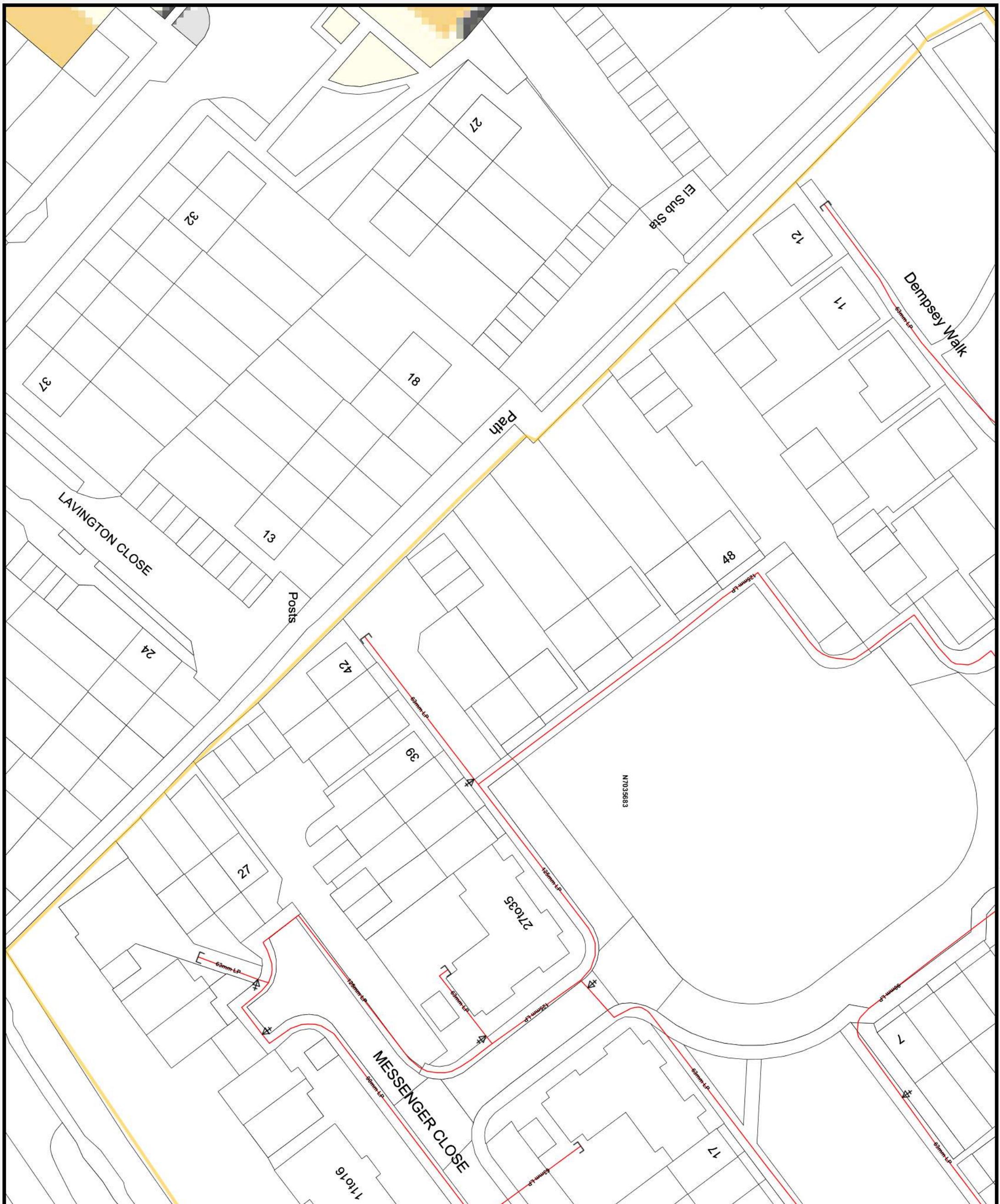
This plan must be available on site when excavation is taking place. The information shown on this plan is given without obligation or warranty. The accuracy thereof cannot be guaranteed. Where service cables and apparatus etc. are not shown, their presence must be anticipated. To the maximum extent permitted by law, no liability or 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 5m of any apparatus. The information provided relates only to plant previously owned by companies within the Nexus group. It is therefore possible 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.

SCALE: 1:500
O.S.REF: 525244,137731
N7035683_2_of_5 Gas
Date: 02-08-2014

A3

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

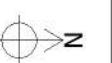
gtc
...leading utility networks



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 5m of any apparatus. The information provided relates only to plant previously owned by companies within the Nexus group. It is accepted 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.

Legend

- Gas Pipe
- LP Pipe
- MP Pipe
- IP or Service Pipe
- Gas Node
- Connection Point
- Reducer
- Capend
- Gas PRI



SCALE: 1:500
O.S.REF: 525073, 137590
N7035683_4 of 5 Gas
Date: 02-08-2014

0
21.6m

A3

A group member of
Brookfield Utilities UK
Energy House
Woolpit Business Park
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 or 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 1.5m of any apparatus. The information provided relates only to plant previously owned by companies within the Nexus group. It is emphasised 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.

Legend

- Gas Pipe
- LP Pipe
- MP Pipe
- IP or Service Pipe
- Gas Node
- Connection Point
- Reducer
- Capend
- Gas PRI

SCALE: 1:500
O.S.REF: 525244,137590
N7035683_5_ of 5 Gas
Date: 02-08-2014

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

