

Harworth Estates

Utilities and Drainage Report

North Gawber, Barnsley

Project no.880442

March 2014

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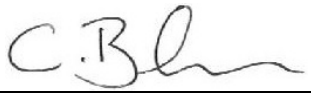
UTILITIES AND DRAINAGE REPORT

North Gawber
Barnsley

REPORT NO : 880442 01 (04)

Client : Harworth Estates

DOCUMENT ISSUE STATUS

Report Issue	Issue 4		
Reference Number	Report Number (Revision Number) 880442 01 (04)		
Title	Name	Signature	Date
Author	Tom Foster		27.03.14
Project Manager	Chris Blinkhorn		27.03.14
Technical Reviewer	Ian Clark		27.03.14

This report is not to be used for contractual or engineering purposes unless the above is signed where indicated by both the author of the report, the project manager and the technical reviewer of the report and the report is designated “FINAL”.

ISO 9001 REGISTERED ISO 14001 REGISTERED OHSAS 18001 REGISTERED INVESTOR IN PEOPLE

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1. INTRODUCTION

RSK LDE Ltd ("RSK") has prepared this report for land at North Gawber, Barnsley ("the Site") in accordance with the instructions of Chris Davidson acting on behalf of Harworth Estates("The Client") by e-mail dated 24th May 2013 and under the terms of appointment for RSK. This report is confidential to the Client and RSK shall not be responsible for any use of the report or its contents for any purpose other than that for which it was prepared and provided. Should the Client require to pass copies of the report to other parties for information, the whole of the report should be so copied, but no professional liability or warranty shall be extended to other parties by RSK in this connection without the explicit written agreement thereto by RSK. The report may be assigned by the Client by way of absolute legal assignment to a purchaser (or purchasers) of all or part of the site to which the report refers ("The Site") without the consent of RSK being required and such assignment shall be effective upon written notice thereof being given by the Client to RSK. No further assignments shall be permitted unless expressly agreed by RSK. In the event of the Client entering into a legal joint venture to develop the Site, the report can be regarded as having been issued by RSK jointly in favour of the Client and the joint venture partner(s), and in respect of the report RSK would owe the joint venture partner(s) the same duty of care that RSK owed to the Client when RSK was instructed to prepare the report subject to all the matters contained or referred to in the report.

This report shall present an overview of the current situation with regards existing services contained within the boundaries and immediate vicinity of the site and provide budget costings in relation to any required off - site reinforcement works.

A location plan for this site is contained under Figure 1 at the rear of this document.

The comments given in this report and the opinions expressed are subject to RSK Group Service Constraints provided under Appendix A.

2. EXECUTIVE SUMMARY

The costs and capacities contained in this report were initially obtained for a total of 400 units as instructed by the client. Since the first issue of this report, the client has amended this figure to 325 units. As the current proposals are for less units than originally assessed, the costs and capacities are still relevant. A set of detailed fee quotations are currently being sought for 325 units.

Water

Yorkshire Water have advised that the surrounding network is capable of servicing the development.

Gas

National Grid Gas records show that their plant is in the local area with the most notable being a 125mm low pressure main in Spark Lane. Budget estimates have been obtained from GTC for new gas supplies to the proposed scheme. GTC have estimated an onsite works to cost £49,370.30 and off site reinforcement cost of £3,458.94

Electricity

Records from Northern Powergrid show there is an 11kv HV electric cable to the North West and North of the site. There is an electricity pylon with overhead cable to the east of the site travelling in a north easterly direction.

Northern Powergrid have carried out an appraisal of the proposed scheme giving a budget cost of £355,000 to supply electric for 325 residential units including a ground mounted sub station.

Drainage

Yorkshire Waters records show that there is an adopted combined sewer crossing the site from the South West to the East.

Yorkshire Water have stated that the foul drainage from the site could discharge unrestricted to the combined sewer crossing the site.

Surface water will drain to the on-site watercourse.

Telephone

BT plant is available within the locality.

New ducts and draw pits, will have to be installed within the new development by the developer. Any off site reinforcement would normally be undertaken directly by BT, at no cost to the developer. Allowance should be made for a BT ductwork system to be installed within the development using materials supplied by BT.

3. SCOPE OF WORKS

The scope of works relating to this utilities assessment is based on the information provided by Chris Davidson and further information collated by RSK Land & Development Engineering Ltd and includes for the following:

- Obtain and review existing utility records
- Site walkover to confirm/identify existing on-site utility apparatus (above ground).
- Prepare a combined existing services drawing to be overlaid on the development proposals.
- Identify key constraints in terms of existing utilities crossing the site and liaise with the relevant statutory undertakers to confirm diversion costs etc.
- Liaison with utility providers to discuss capacity constraints on the proposed future development
- Utilities correspondence/ fee proposals for necessary upgrade works.
- Obtain quotations for the supply of mains gas, water and electric to serve new development
- Collation and presentation of all of the above in a formal report.

The content of the report given below is considered to fulfil the above scope of works.

4. SITE DESCRIPTION

Site location

The site is located in Mapplewell, approximately 4km north-west of Barnsley. The approximate centre of the site is located at Ordnance Survey National Grid reference 433,050E 409,650N. The site occupies an area of approximately 16 hectares and comprises three main terraces, starting at an elevation of approximately 95m above Ordnance Datum (AOD) in the north of the site, falling to 70m AOD in the southern parts of the site.

Site description

The site, comprising mainly colliery spoil, is used as informal recreation ground by the public. Some areas of the site are covered by trees, and grass-cover is sparse. There is a drainage ditch running north-west to south-east in the southern part of the site. Ordnance Survey mapping indicates that a public right of way runs alongside this drainage ditch.

To the north of the site there are modern warehouse and factory buildings. A car body repair garage is using a small hardstanding area of approximately 200m2 in the north-east corner of the site to store cars. The site boundary passes along the edge of North Gawber Football Club's pitch in the north-west corner.

Carr Green Lane runs along the eastern boundary of the site, off which there are residential properties and some industrial buildings. Spark Lane borders the site to the west, on which there are also residential properties.

A birch woodland defines the southern boundary, beyond which the reclaimed colliery tip is used as grazing land.

The site is bounded to the:

- north by the existing Mapplewell Business Park, with a school beyond;
- east by Carr Green Lane, a residential area;
- south by open fields and a recreational area, further south (approximately 650m) is the River Dearne, a Main River.
- west by residential properties off Spark Lane.

Proposed site use

Full planning permission is sought for the remediation and restoration of the site and outline planning permission is sought for up to 325 dwellings, open space and associated infrastructure with all matters reserved except for access.

5. YORKSHIRE WATER (WATER)

5.1 Existing

Copies of the adopted water main records have been purchased from Yorkshire Water and are contained in Appendix B.

This information indicates the following:-

- **Mains over 4" diameter -** Running the entire length of Spark Lane and Dearne Hall Road and along Carr Green Lane until the junction of Hill End Road.
- **Mains up to 4" diameter -** Throughout the residential areas to the north, east and west of the site.

5.2 Costs and Capacity

We have written to Yorkshire Water regarding the water supply for this development and have received a response in writing on 25th September 2013 (see Appendix C). Yorkshire Water have advised that the existing water supply network can supply the proposed development from the point of connection in Carr Green Lane. There are no mains reinforcements or mains diversions required to supply the site. Pumps/storage will not be required as the development can be supplied by gravity.

Further Actions

Prior to progressing detailed designs or construction works, it is advised that: -

- The requirements for mains reinforcement work may change between now and the application for a water supply where an application for increased demand on the local water network has been received from other new developments.

Since the previous issue of this report, RSK has requested detailed quotations from Crown Utilities (Multi utility provider). At the time of this issue these costs are currently unavailable but will be issued once received by RSK.

6. NATIONAL GRID (GAS)

6.1 Existing

Copies of the National Grid Gas records have been obtained and are contained in Appendix D.

This information indicates the following:-

- **Various Low Pressure Mains –** Located to the North, West and East of the site within the residential/commercial locations
- **125mm Low Pressure Main –** Located on Spark Lane to the North West of the site and located on Carr Green Lane located to the West of the site

6.2 Costs and Capacity

Enquiries have been made to GTC regarding gas infrastructure connections. They have provided a duel fuel quotation for Gas & Electric and a copy of this quotation is contained in Appendix E and a summary is as follows:-

  - Based on an indicative scheme of 400 dwellings GTC have assessed the existing gas supplies and have estimated an onsite works to cost £49,370.30 and off site reinforcement cost of £3,458.94

Since the previous issue of this report, RSK has requested detailed quotations from Crown Utilities (Multi utility provider). At the time of this issue these costs are currently unavailable but will be issued once received by RSK.

7. NORTHERN POWERGRID (ELECTRIC)

7.1 Existing

Extracts of Northern Powergrid records have been obtained and copies of these are contained in Appendix F.

The plans indicate the following substations: -

- **Various Low Voltage Underground Cables** – In the residential areas adjacent to the North, West and East of the site in Spark Lane and Carr Green Lane.
- **11kv High Voltage Underground Cables** - Located to the North and North West of the site boundary
- **Overhead Electricity Pylon -** Located to the East of the site, heading off in a North Easterly direction.

7.2 Costs and Capacity

Northern Powergrid have re-appraised the proposed development. Copies of this dated 4th February 2014 are contained in Appendix E.

An outline budget price of £355,000 has been given to supply electric for 325 residential units. To provide this connection, Northern Powergrid investigations have shown that they will need to:

- Extend the existing high voltage underground distribution system to a position on the site and install a ground mounted substation. From this substation they will then install underground low voltage distribution cables throughout the site and lay underground service cables to mutually acceptable service positions.
- Provide LV interconnectors from the new substation to allow two existing pole mounted transformers to the north of the site to be removed.
- It is assumed that the Pye Avenue pole mounted transformer can remain at its present location

Due to this being an outline application assumptions have been made regarding such things as heating and requirements for lifts. It should be noted that the quotation might change once the detailed design has been completed.

Since the previous issue of this report, RSK has requested detailed quotations from Crown Utilities (Multi utility provider). At the time of this issue these costs are currently unavailable but will be issued once received by RSK.

8. YORKSHIRE WATER (DRAINAGE)

8.1 Existing

Extracts of Yorkshire Water sewer records are contained in Appendix H.

This information indicates the following:-

- **375mm VC Public Combined Sewer** – Runs South along Carr Green Lane.
- **450mm CO Public Combined Sewer** - Runs South along the West of the site parallel with Spark Lane.
- **525mm CO Public Combined Sewer** - Runs from the West of the site to the East at the Southern end of the site.
- **825mm CO Public Combined Sewer** - Runs South starting from the South Eastern corner of the site parallel to Carr Green Lane.

8.2 Costs and Capacity

On RSK's instructions, Yorkshire Water have completed a pre-planning sewerage enquiry, dated 23rd July 2013 contained in Appendix I. Our interpretation of the findings of this enquiry are as follows:-.

Sewer Crossing

There are 375mm, 450mm, 525mm and 825mm diameter public combined sewers recorded crossing the site. No buildings are to be erected within 3 metres of the 375/400mm diameter public sewers, 5 metres of the 825mm diameter public sewer and no buildings within 6 metres of the 525mm diameter public sewer.

Foul Drainage

Foul water domestic waste should discharge to the 525mm public combined sewer crossing the site. The local waste water treatment works is Dalton. It is understood that this WWTW may only have limited spare capacity, if any, available. Yorkshire Water have contacted the respective treatment team for more information regarding the impact of the proposed development and will contact RSK when an assessment has been undertaken.

Yorkshire Water have since contacted RSK via email (see Appendix I) and are prepared to accept foul water only into the public sewerage system, but no surface water must enter the public sewer network. Surface water will cause an unnecessary load into the Water Treatment Works. A separate outfall must be provided by the developer.

Surface Water Drainage

Under the terms of Section H of the Building regulations 2000, the disposal of surface water by means of soakaways should be considered as the primary method. If this is not suitable,

discharge to the public surface water sewers shall be based on a greenfield run off rate of 5 l/sec/ha and include an extra 30% storage to allow for climate change.

Further discussions are required with the sewerage undertaker to confirm that surface water drainage is possible

9. BT (TELEPHONE)

9.1 Existing

Extracts of BT Openreach records have been obtained. Copies of these are contained in Appendix J.

The records indicate the following: -

- There is a BT pole in the commercial/industrial units located to the West of Mapplewell Drive.
- Underground cables are noted in Spark Lane, Carr Green Lane and Mapplewell Drive immediately adjacent to the development site.

10. UTILITIES NOT AFFECTED

A “Linesearch” utilities search was carried out for the development area. A copy of the Linesearch response is contained in Appendix K.

ES Pipeline confirmed that they had plant within the area. ES Pipeline have a short length of pipeline located within Bethel Gardens off Spark Lane which may be affected by the proposed development.

FIGURES

Figure 1 Site Location Plan


BLACKER ROAD
SPARK LANE
CARR GREEN LANE

Figure 2 Proposed Masterplan



0 20 40 60
(metres)

1 RETAINING STRUCTURE
2 EXISTING OVERHEAD POWERLINES
3 PRIMARY ENTRANCE
4 CONSTRUCTION ACCESS

CLIENT: HARWORTH ESTATES

PROJECT: NORTH GAWBER

DRAWING OF: MASTERPLAN

DRAWING NO.: 13:4764:SK04

DRAWN BY: SL

SCALE: 1:1000 @ A1

DATE: 25.02.2014

■ architectural design
■ town planning
■ landscape architecture
John R Paley Associates
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RTPI Chartered Town Planners NHBC

Figure 3 Existing Utility Constraints Plan

N

6m Easement around sewer as per the conditions set out in the Planning Consent Report Jan 2012

12m Easement around sewer as per the conditions set out in the Planning Consent Report Jan 2012

525mm Dia. Combined Sewer Proven between Manholes 4,5,7 & 9. All other drainage positions taken from Yorkshire Water records.

Sewer is abandoned? High levels of silt encountered during investigation works.

Electricity Pylon

Comb Dia 450
SW Dia 750
Comb Dia 225
Comb Dia 450
Comb Dia 225
Comb Dia 450
Comb Dia 375
Comb Dia 525
Comb Dia 525
Comb Dia 525
Comb Dia 525
Comb Dia 525
Comb Dia 375
Comb Dia 375
Comb Dia 300
Comb Dia 300
Comb Dia 450
Comb Dia 225
SW Dia 225
SW Dia 225
FW Dia 150
SW Dia 225
FW Dia 225
SW Dia 300
FW Dia 225
SW Dia 225
FW Dia 150
FW Dia 225
SW Dia 300
SW Dia 150
Comb Dia 375
SW Dia 225
SW Dia 225
SW Dia 225
SW Dia 300
Comb Dia 375
SW Dia 225
Comb Dia 375
SW Dia 225
Comb Dia 380
Comb Dia 300
Comb Dia 450
Comb Dia 225
Comb Dia 525

MH 1 CL 80.83 IL 77.73

MH 2 CL 81.34 IL 76.34m ID bh

MH 3 CL 77.27 IL 77.27

MH 4 CL 76.38 IL 69.38

MH5 CL 74.87 IL 71.07 1.3M TO SILT LEVEL

MH6 CL 75.75 IL 71.05

MH8 CL 74.16 IL 71.77 1.3M TO SILT LEVEL

MH9 CL 74.16 IL 71.77

	EASTING	NORTHING	LEVEL
TP1	432828.227	409749.396	84.63
TP2	432862.795	409772.178	88.02
TP3	432903.554	409799.128	94.42
TP4	433049.640	409843.212	95.32
TP5	432798.436	409721.977	81.18
TP6	432851.976	409727.988	83.55
TP7	432898.719	409712.460	83.50
TP8	432938.382	409767.836	87.40
TP9	432962.311	409692.062	84.53
TP10	433002.243	409754.186	85.52
TP11	433058.506	409751.201	86.29
TP12	433018.390	409781.019	89.28
TP13	433008.275	409802.723	90.67
TP14	433063.413	409815.697	91.01
TP15	432912.210	409667.900	80.31
TP16	432903.466	409635.830	78.95
TP17	432973.657	409654.797	80.21
TP18	432966.502	409593.645	74.89
TP19	433014.695	409618.895	78.20
TP20	433013.273	409563.650	74.56
TP21	433131.052	409648.417	81.51
TP22	433172.016	409616.224	81.64
TP23	433204.170	409637.460	81.99
TP24	433238.758	409613.864	80.72
TP25	433175.466	409583.200	79.27
TP26	433218.153	409572.226	77.32
TP27	433092.012	409554.324	74.33
TP28	433115.770	409525.256	73.53
TP29	433061.937	409509.207	71.99
TP30	433079.921	409489.623	71.08
TP31	433120.996	409439.462	69.30
TP32	433062.090	409389.108	70.52
TP33	433043.160	409402.715	71.94
TP34	433011.022	409433.868	73.34
TP35	432987.875	409515.518	73.61
TP36	432955.264	409545.991	73.79
TP37	432908.984	409592.532	74.35
TP40	432798.002	409583.314	74.03
TP41	432750.737	409600.883	75.21
TP42	432773.497	409651.952	76.70
TP43	432791.238	409645.505	75.93
TP44	432816.138	409639.065	75.98
TP45	432780.587	409689.264	78.86
TP46	432827.065	409699.529	77.72
TP47	433021.758	409711.940	85.78
TP48	433036.459	409681.754	82.96
TP49	433069.236	409661.297	86.42
TP50	433111.102	409674.297	86.27
TP51	433134.480	409673.537	86.07
TP52	433092.461	409706.956	86.76
TP53	433128.815	409697.442	87.04
TP54	433170.120	409681.329	87.83
TP55	433216.149	409658.832	83.55
TP56	433154.884	409654.492	83.60
TP57	433186.277	409646.523	82.91
TP58	433246.030	409646.553	83.91
TP59	433268.779	409679.196	85.70
TP60	433235.801	409679.983	85.51
TP62	433181.762	409702.628	87.82
TP63	433144.879	409722.502	87.31
TP64	433112.012	409731.863	86.48
TP65	433108.480	409761.047	89.56
TP66	433085.396	409811.154	91.31
TP67	433107.815	409824.920	91.55
TP68	433097.161	409797.322	91.28
TP69	433123.236	409787.390	91.13
TP70	433148.417	409778.885	91.18
TP71	433134.049	409816.604	92.58
TP72	433165.614	409802.778	92.13
TP73	433179.338	409776.991	90.90
TP74	433205.121	409788.807	91.22
TP75	433147.195	409750.954	90.63
TP76	433186.703	409751.742	90.65
TP77	433191.536	409731.005	89.98
TP78	433222.700	409753.367	90.65
TP79	433254.873	409741.083	90.00

Note

Location of existing services is indicative only and taken from statutory undertakers plans. Exact locations of underground services should be determined on site.

CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-

RSK LDE LTD has followed its Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing.
Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type.

Legend

- Gas
- Electric Low Voltage
- Electric High Voltage
- Electric Overhead Cable
- Foul Sewer
- Surface Water Sewer
- Combined Sewer
- Open watercourse/ sewer
- SW Dia 150 — Pipe Size
- Sewer Easements

Rev.	Date	Amendment	Drawn	Chkd.	Appd.
P2	24/10/13	Ammended to suit site investigation of sewer manholes. Easements added to drawing.	RD	CB	ISC
P1	25/09/13	Issued for information	RD	CB	ISC

RSK

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Client

Harworth Estates

Project Title

North Gawber

Drawing Title

Existing Utility Constraints Plan

Drawn	Date	Checked	Date	Approved	Date
RD	Sep 13	CB	Sep 13	IC	Sep 13

Scale	Orig Size	Dimensions
1:1000	A1	m

Project No. 880442

Drawing File

Drawing No. 10-01

Rev. P2

Scale
0 10 20 30 40 50m

File Location: L:\001 JOBS (LIVE)\880442 - NORTH GAWBER HARWORTH\GRAPHIN\PASTRUCTURE\10-01 P2 EXISTING UTILITY CONSTRAINTS.DWG

APPENDIX A

RSK GROUP SERVICE CONSTRAINTS

RSK GROUP
SERVICE CONSTRAINTS

1. This report and the Drainage design carried out in connection with the report (together the "Services") were compiled and carried out by RSK LDE Ltd (RSK) for BFP Developments LLP (the "client") in accordance with the terms of a contract between RSK and the "client". The Services were performed by RSK with the skill and care ordinarily exercised by a reasonable Civil Engineer at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the client.

2. Other than that expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.

3. Unless otherwise agreed the Services were performed by RSK exclusively for the purposes of the client. RSK is not aware of any interest of or reliance by any party other than the client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report, or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. Any such party would be well advised to seek independent advice from a competent environmental consultant and/or lawyer.

4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date hereof, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.

5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.

6. The observations and conclusions described in this report are based solely upon the Services, which were provided pursuant to the agreement between the client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off the site of asbestos, electromagnetic fields, lead paint, heavy metals, radon gas or other radioactive or hazardous materials.

7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a walk-over survey of the site together with RSK's interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The Services are also based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely. The Services clearly are limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the walk-over survey. Further RSK was not authorised and did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services. RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the client and RSK.

8. The phase II or intrusive environmental site investigation aspects of the Services is a limited sampling of the site at pre-determined borehole and soil vapour locations based on the operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the soil and groundwater conditions, together with the position of any current structures and underground facilities and natural and other activities on site. In addition chemical analysis was carried out for a limited number of parameters [as stipulated in the contract between the client and RSK] [based on an understanding of the available operational and historical information,] and it should not be inferred that other chemical species are not present.

9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan, but is (are) used to present the general relative locations of features on, and surrounding, the site.

APPENDIX B

YORKSHIRE WATER (WATER) PLANS

YORKSHIRE WATER

PROTECTION OF MAINS AND SERVICES

1. The position of Yorkshire Water Services Ltd (YWS) apparatus shown on the existing mains record drawing(s) indicates the ***general*** position and nature of our apparatus and the accuracy of this information cannot be guaranteed. Any damage to YWS apparatus as a result of your works may have serious consequences and you will be held responsible for all costs incurred. Prior to commencing major works, the exact location of apparatus must be determined on site, if necessary by excavating trial holes. The actual position of such apparatus and that of service pipes which have not been indicated must be established on site by contacting the Customer Helpline (0845 124 24 24) for water and (0845 124 24 29) for sewerage.

2. The public sewer network is lawfully retained in its existing position and the sewerage undertaker is entitled to have it remain so without any disturbance. The provisions of section 159 of the Water Industry Act 1991 provides that the sewerage undertaker may "inspect, maintain, adjust, repair or alter" the network. Those rights are given to enable the sewerage undertaker to perform its statutory duties. Any development of the land or any other action that unacceptably hindered the exercise of those rights would be unlawful.

3. Ground levels over existing YWS apparatus are to be maintained. Sewers in highways will ***generally*** be laid to give 1200mm of cover from finished ground level working to kerb races, other permanent identification of the limits of the road or to an agreed line and level. Substantial increases or decreases to this 1200mm depth of cover will result in the sewer being re-laid at your expense.

4. If surface levels are to be decreased / increased significantly the effects on existing water supply apparatus will be carefully considered and if any alterations are necessary, the costs of the alterations will be recharged to you in full. Outlets on fire hydrants must be no more than 300mm below the new levels and all surface boxes must be adjusted as part of the scheme.

5. To enable future repair works to be carried out without hindrance; any pipe, cable, duct, etc. installed parallel to a water main or service pipe should not be installed directly over or within 300mm of a water main or service pipe or 1000mm of a waste water asset. Where a pipe, cable, duct, etc. crosses a main or service it should preferably cross perpendicular or at an angle of no less than 45° and with a minimum clearance of 150mm. These requirements apply to activities within an existing highway and are relevant to the installation of pipes, cables, ducts, etc. up to and including 250mm in diameter. Necessary protection measures for installations greater than 250mm in diameter and/or in private land will need to be agreed on an individual basis. Installations within a new development site must comply with the National Joint Utilities Group publication Volume 2: NJUG Guidelines On The Positioning Of Underground Utilities Apparatus For New Development Sites.

6. All excavation works near to YW apparatus should be by hand digging only.

7. Backfilling with a suitable material to a minimum 300mm above YW apparatus is required.

8. Adequate support must be provided where any works pass under YW apparatus.

9. Jointing chambers, lighting columns and other structures must be installed in such a way that future repair or maintenance works to YW apparatus will not be hindered.

10. Apparatus such as; railings, sign posts, etc. must not be placed in such a way that they prevent access to or full operation of controlling valves, hydrants or similar apparatus. YWS surface boxes must not be covered or buried. Any adjustment, alteration or replacement of manhole covers must be agreed on site prior to the commencement of the works with a YWS Inspector who may be contacted via our Call Centre on 0845 124 24 29.

11. Explosives shall not be used within 100 metres of any Yorkshire Water Services apparatus or installations.

12. Vibrating plant should not be used directly over any apparatus. Movement or operation by vehicles or heavy plant is not to be permitted in the immediate vicinity of YWS plant or apparatus unless there has been prior consultation and, if necessary, adequate protection provided without cost to YWS.

13. ***Under no circumstances*** should thrust boring or similar trenchless techniques commence until the actual position of the Company's mains/services along the proposed route have been confirmed by trial holes.

14. Any alterations to the highway should be notified following the procedures outlined in the New Road and Street Works Act 1991 Code of Practice; Measures Necessary Where Apparatus Is Affected By Major Works (Diversionary Works).

15. You will be held responsible for any damage or loss to YWS apparatus during and after completion of work, caused by yourselves, your servant or agent. Any damage caused or observed to YWS plant or apparatus should be immediately reported to YWS. Should YW incur any costs as a result of non-compliance with the above, all costs will be rechargeable in full.

16. You should ensure that nothing is done on the site to prejudice the safety or operation of YWS employees, plant or apparatus.

17. In accordance with the New Roads and Street Works Act 1991, Chapter 22, Part 3, Section 80. The location of any identified YW asset "*which is not marked, or is wrongly marked, on the records made available* " should be communicated back to Yorkshire Water. The location of the apparatus should be identified on copies of the supplied plans which should be returned to Yorkshire Water (Asset Records Team) with photographic supporting evidence where possible.

18. The Government has decided that responsibility for private sewers serving two or more properties and lateral drains (the

Registered Office, Yorkshire Water Services Limited.
Western House, Halifax Road, Bradford BD6 2SZ. Registered in England and Wales No. 2366682

safe-move
A part of YorkshireWater

section of pipe beyond the boundary of a single property, connecting it to the public sewer) will be transferred to the water companies on Oct 1 2011. Private pumping stations will also transfer during the period 1 October 2011 – 1 Oct 2016. Records of these assets may not yet be shown on the existing mains record drawing(s). If you encounter any of these assets you must inform Yorkshire Water Services Ltd (YWS).

19. Please note that the information supplied on the enclosed plans is reproduced from Ordnance Survey material with the permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office, © Crown Copyright. Unauthorised reproduction infringes Crown Copyright and may lead to prosecution or civil proceedings. Licence Number 1000019559.

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A part of YorkshireWater

Sewer Legend


Combined Sewer


S24 Combined Sewer


Surface Water Sewer


S24 Surface Water Sewer


Foul Sewer


S24 Foul Sewer


Section 104 Sewer

Public Rising Main


Pumping Station


Abandoned Sewer



Public Sewage
Treatment Works


Syphon Sewer &
Vacuum Sewer

\+ Property Identifier

Water Legend

Water Main 4" and below

Water Main 4" and above

Raw Water Main

Private Water Main


Fire Hydrant


Pumping Station

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Western House, Halifax Road, Bradford BD6 2LZ. Registered in England and Wales No. 2366682

safe-move
A part of YorkshireWater

Water Network features are not shown above a scale of 1:50,000

432572 : 409378	Map Name : SE3109SE	Title	
YorkshireWater	Yorkshire Water, PO Box 500, Halifax Road, Bradford BD6 2LZ Contact Name : Ms H Webster Contact Tel :	Notes	
		(Ods) COPYRIGHT STATEMENTS: Reproduced by permission of Ordnance Survey on behalf of HMSO © Crown copyright and database 2004. All rights reserved Ordnance Survey Licence number 100019959	

Partial Key
- Water mains up to 4" in diameter
- Water mains over 4" in diameter
- Raw water mains
- Private water mains

The position and depths of apparatus shown on this plan are approximate only. The exact positions and depths should be obtained by excavation trial holes.

Scale : 1:2500

Drg No :

Maris No :

Date Req : 04/07/2013, 14:11:55

Date Gen : 04/07/2013, 14:12:05

Source : Water Network Enquiry

UPN: Undefined

Originator: H Webster, Safe Move,

safe-move
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Western House, Halifax Road, Bradford BD6 2LZ. Registered in England and Wales No. 2366682

Mapplewell

Sewer Network features are not shown above a scale of 1:25,000

432572 : 409378	Map Name : SE3109SE	Title	Partial Key
Yorkshire Water, PO Box 500, Halifax Road, Bradford BD6 2LZ Contact Name : Ms H Webster Contact Tel :		Notes	Foul Sewer = F Combined Sewer = C Surface Water Sewer = SW Trade Sewer = TD Partially Separate = PS
		(Ody) COPYRIGHT STATEMENTS: Reproduced by permission of Ordnance Survey on behalf of HMSO © Crown copyright and database 2004. All rights reserved Ordnance Survey Licence number 100019959	Date Req : 04/07/2013, 14:26:08 Source : Sewer Network Enquiry

This plan is furnished as a general guide only and no warranty as to its correctness is given or implied. This plan must not be used for the purpose of public search or any other purpose in the vicinity of public sewers. No house or property connection

Date Gen : 04/07/2013, 14:26:21

UPN: Undefined Originator: H Webster, Safe Move,

APPENDIX C

CORRESPONDANCE FROM YORKSHIRE WATER (WATER)

YorkshireWater

Mr T Foster
RSK Land & Development Engineering Ltd
Spring Lodge
172 Chester Road
Helsby
Cheshire
WA6 0AR

Developer Services
Customer Service & Networks
Yorkshire Water Services
PO Box 52
Bradford
BD3 7YD

T 0845 1 208 482
F 01274 303046
E wbu.service.centre@ yorkshirewater.co.uk
W www.yorkshirewater.com/extra-services

Our Ref P168051

25 September 2013

Dear Mr Foster

Water Availability Assessment for a proposed new development at:

North Gawber, Barnsley, Carr Green Lane, S75 6DY

Thank you for your recent development enquiry regarding the above site. Based on the information you have provided regarding the proposed development we have detailed below our assessment of the ability to supply water to the site.

1. **Supplying water to the development site**

   Yes, we are able to provide water to your development site, this can be supplied from Carr Green Lane.

2. **Details of any mains reinforcement work or mains diversions**

   There are no mains reinforcements or mains diversions required to supply this development.

3. **Details of whether the development can be fed by gravity or will require pumps/ storage**

   This development can be supplied by gravity.

This assessment is based upon the information available to Yorkshire Water at the present time. The requirements for mains reinforcement work may change between now and your application for a water supply where an application for increased demand on the local water network has been received from other new developments.

I have attached a copy of our mains records local to the site. Please note that our records only show water mains and that individual service pipes and other privately owned apparatus are not shown. Caution should therefore be exercised when carrying out excavation works near to our apparatus.

Should you wish to proceed with your application for a water supply, please complete the enclosed Application Form and Contaminated Land Assessment Questionnaire (where applicable). Please note there is a fee of £94.91 + £18.98 VAT = £113.89 payable on application. This is to pay for our costs in surveying the site and providing a quotation for the cost of your connection.

If you require details regarding the hardness/ softness of the water in the area, these can be obtained from the YW internet site at www.yorkshirewater.com.

In the meantime if I can be of any further assistance, please contact me on the above number. When contacting us about this enquiry please quote reference number **P168051** this will enable us to find your enquiry and deal with any queries promptly.

Yours sincerely

Amy Rayner
New Supplies Technician

APPENDIX D

NORTHERN GAS (GAS) PLANS

Herbert Ibberson
Memorial Garden

INDEPENDENT PIPELINES 31150-001
ISEP917 AQS 59416

SITE FED BY OTHER GT
ESP PIPELINES LTD
SEE IMAGE S161

Football Ground

RAVENS CLOSE
LONGLAND'S DRIVE
BROOMHEAD COURT
SYKE RIDGE DR
SPARK LANE
PYE AVENUE
MAUNCROFT

90 PE
100 DI
63 PE
125 PE
6" CI
63 PE (IN 4" CI)

Path (um)
Tip
(disused)


WENTWORTH ROAD
WENTWORTH DRIVE
Courtyard 1
Courtyard 2
Depot
Depot
Depot
Garage
CL D&E
63 PE
125 PE
90 PE
180 PE
100 DI
Paul (um)



:	1:1,250
D:	N800171
	30/07/2013
A RESPONSE	
EFERENCE:	
ting : 433035 Northing : 409621	

Low Pressure
Medium Pressure
Intermediate Pressure
National High Pressure
Regional High Pressure
Regional Intermediate Pressure

0 20 40 80 Meters

Some examples of Plant Items:

Valve | Depth of Cover | Syphon | Diameter Change | Material Change

TITLE : North Gawber, Barnsley

The plan shows those pipes owned by Northern Gas Networks or the relevant Gas Distribution Network in their roles as Licenced Gas Transporters (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 Northern Gas Networks, the relevant Gas Distribution Network, 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.



T). Gas pipes
ant owners.
ons, etc. are
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rmation
be referred

Northern Gas Networks Ltd

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APPENDIX E

CORRESPONDENCE FROM GTC (GAS & ELECTRIC)

Our Ref:N/34071937/CL

Energy House
Woolpit Business Park
Woolpit, Bury St Edmunds
Suffolk IP30 9UP

T 01359 240363
F 01359 243377

E info@gtc-uk.co.uk
www.gtc-uk.co.uk

Mr Tom Foster
RSK Land & Development Engineering Ltd
Spring Lodge
172 Chester Road
HELSBY
Cheshire
WA6 3BW

12 August 2013

Dear Mr Foster

DOMESTIC BUDGET COSTING – GAS & ELECTRICITY

Project: North Gawber, Carr Green Lane, Mapplewell with 400 domestic gas and 400 domestic electric connections

Further to your recent enquiry requesting a budget costing for the provision of gas and electricity infrastructure to the domestic properties at the above development, the costing is as follows:

On-site works – You pay GTC	**£ 49,370.30**

If you would like to discuss Smart Meters being installed on this site then please contact us on 01359 240154, terms and conditions apply.

In addition to this price we have itemised any exceptional and off-site costs that are required, including those by the Upstream Network Operators (NWO), to complete the work to supply your site.

We would like to draw your attention to the charges below; it is essential that these charges are included in all cost comparisons for this development.

Off-site works (GTC) - Gas:	£ 5,363.54
Off-site works (GTC) - Electricity:	£ 2,951.12
Network Operator Cost - Gas:	£ 100.00
Network Operator Cost - Electricity:	£ 8,000.00
Steelwork (Internal) - Gas:	£ 0.00
TOTAL OFFSITE - You pay GTC	£ 16,414.66

Additional Points of Note

- The Budget Costing is formulated on the basis of a total of **400** domestic plots.
- Our costing includes the installation of domestic gas meters only.
- We anticipate a lead in period of a minimum of **6** weeks from acceptance of our subsequent firm quotation for supply and distribution before work can commence onsite.
- The network will be designed and installed by us.
- We will supply all materials for the gas and electricity infrastructure.

The Gas Transportation Company Limited (GTC) is a company registered in Guernsey, Channel Islands, registered number 29431.
VAT registered number 688 8971 40

- The anticipated lead time to energise the electricity network is a minimum of **24** weeks from acceptance of a firm quotation.

Engineering Comments

The developer is responsable for all excavations, the supply and installation of meter boxes, duct laying and backfill work onsite unless otherwise requested at the quotation stage.

The developer will carry out all civil works associated with installing substations on an electric high voltage (HV) network.

This quotation includes indicative electric point of connection (PoC) and offsite 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.

We have assumed all properties are having gas heating.

We have assumed an HV connection due to the size of the site and as such 1 Substation/s will be required. We have assumed that the Developer will carry out all civil works associated with the substation/s at their own cost.

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

For location of upstream Gas Transporter apparatus, call: **01455 892257**

All mains and services on this costing are based on pre excavated trench by the developer apart from the connection to the existing main.

This costing is based on meters in conventional externally mounted / semi concealed meter boxes at ground level.

This costing excludes any reinforcement costs that may be necessary from connecting to the upstream gas transporters network.

We have assumed there will be enough capacity in the Low Pressure network to feed this site. Any reinforcement required will not be chargeable.

The total budget price for your development is Onsite - You pay GTC £49,370.30, Off site - You pay GTC £16,414.66, **Total = You pay GTC £65,784.96 .**

Should you be successful in obtaining and developing this site, we will be pleased to supply a firm quotation. Please return a detailed site plan and a completed Quotation Request Form.

Confidentiality

This quotation and associated documentation is confidential between GTC, **Harworth Estates** 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.

The Gas Transportation Company Limited (GTC) is a company registered in Guernsey, Channel Islands, registered number 29431.
VAT registered number 688 8971 40

We trust that this budget costing will be acceptable and look forward to receiving your instructions. However if there are any points you wish to discuss please contact either myself or my sales support team on (01359) 240154. We enclose a copy of our Quotation Request Form for any future developments you may require quotations for.

Should you require any further details please do not hesitate to contact me.

Yours sincerely



Richard Cheeseman
Regional Sales Manager - North

Enc: Quotation Request Form

The Gas Transportation Company Limited (GTC) is a company registered in Guernsey, Channel Islands, registered number 29431.
VAT registered number 688 8971 40

Northern Gas Networks
1st Floor
1 Emperor Way
Doxford International Business Park
Sunderland
SR3 3XR

Telephone No: 0845 634 0508*
www.northerngasnetworks.co.uk

24 hour gas escape number 0800 111 999

*calls will be recorded and may be monitored

RECEIVED
- 1 AUG 2013

Our Ref: 301212560
Your Ref: E-MAIL ENQUIRY
Date: 30.07.2013

Tom Foster
RSK
Spring Lodge
172 Chester Road Helsby
Cheshire WA6 0AR

Dear Sir / Madam,

Re: Proposed Development, North Gawber, Barnsley

Northern Gas Networks acknowledges receipt of your notice of your intention to carry out work at the above location.

We enclose an extract from our mains records in the location of the area covered by your proposals together with a comprehensive list of precautions for your guidance. This plan shows only those pipes owned by Northern Gas Networks in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's and also privately owned may be present in this area. Information with regard to such pipes should be obtained from the owners. The information shown on this plan is given without obligation, or warranty, the accuracy thereof 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 enclosed plan should not be referred to beyond a period of 28 days from the date of issue.

You will note the presence of our Low/Medium/Intermediate Pressure gas main in the proximity to your site. NO mechanical excavations are to take place above or within 0.5 m of the Low pressure system, 2m of the medium pressure system and 3metres of the intermediate pressure system. You should where required CONFIRM THE POSITION of mains using HAND DUG TRIAL HOLES.

A colour copy of these plans and the gas safety advice card should be passed to the senior person on site in order to prevent damage to Northern Gas Networks' 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 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. In addition please follow the advice given on the gas safety card.

It must be stressed that both direct and consequential damage to gas plant can be dangerous both for your employees and the general public, repairs to any such damage will incur a charge. 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 have any further enquires please contact the Telephone number below.

Yours faithfully,

SANDRA COLLETT
Network Records Assistant
0845 6340508 (Option 6)

Northern Gas Networks Limited
Registered in England & Wales No 5167070
Registered Office
1100 Century Way Colton
Leeds LS15 8TU

APPENDIX F

NORTHERN POWERGRID (ELECTRIC) PLANS

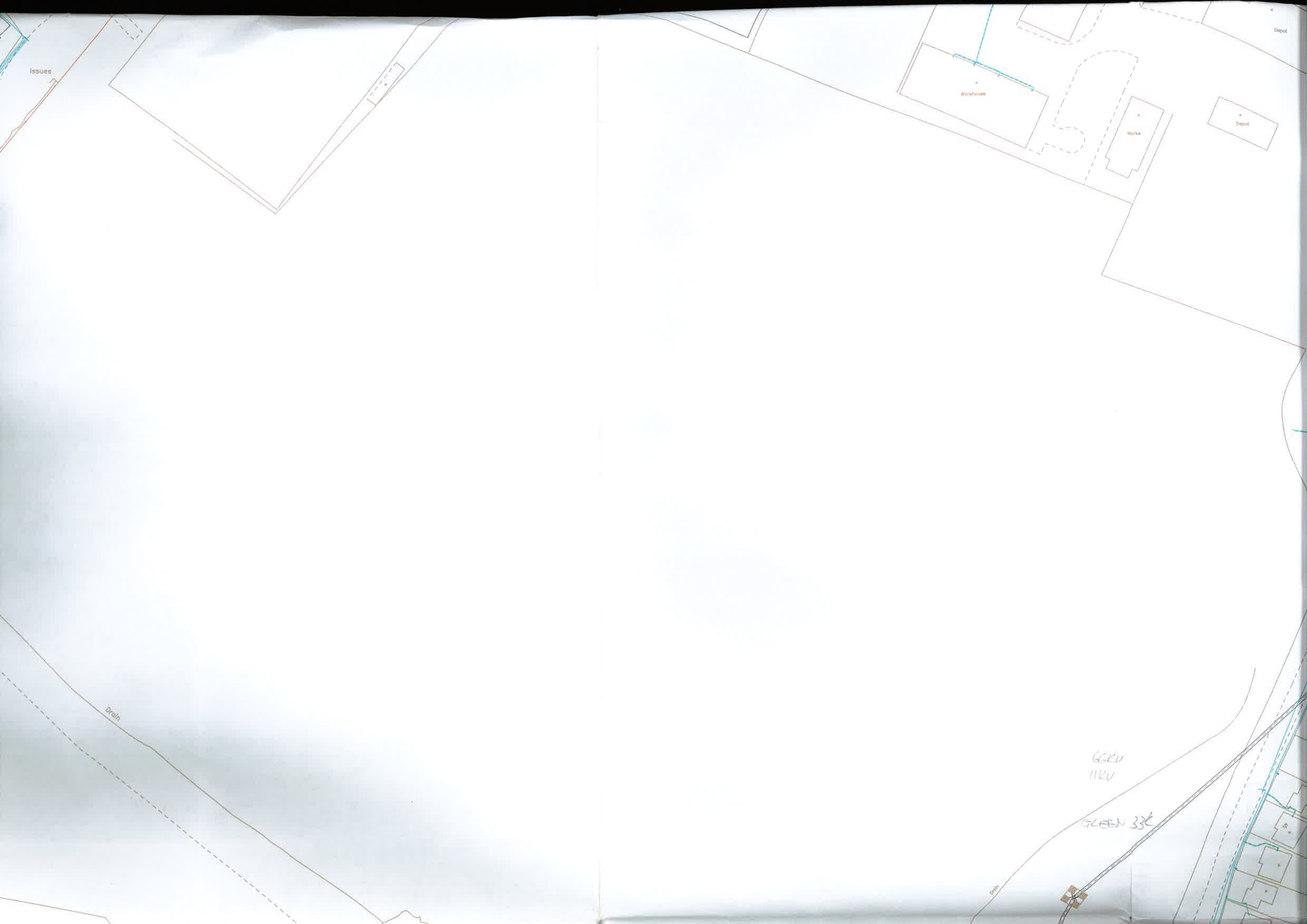
d upon the Ordnance Survey map by Northern Powergrid Holdings Company by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. © Crown Copyright (Northern Powergrid Holdings Company EL 273198)

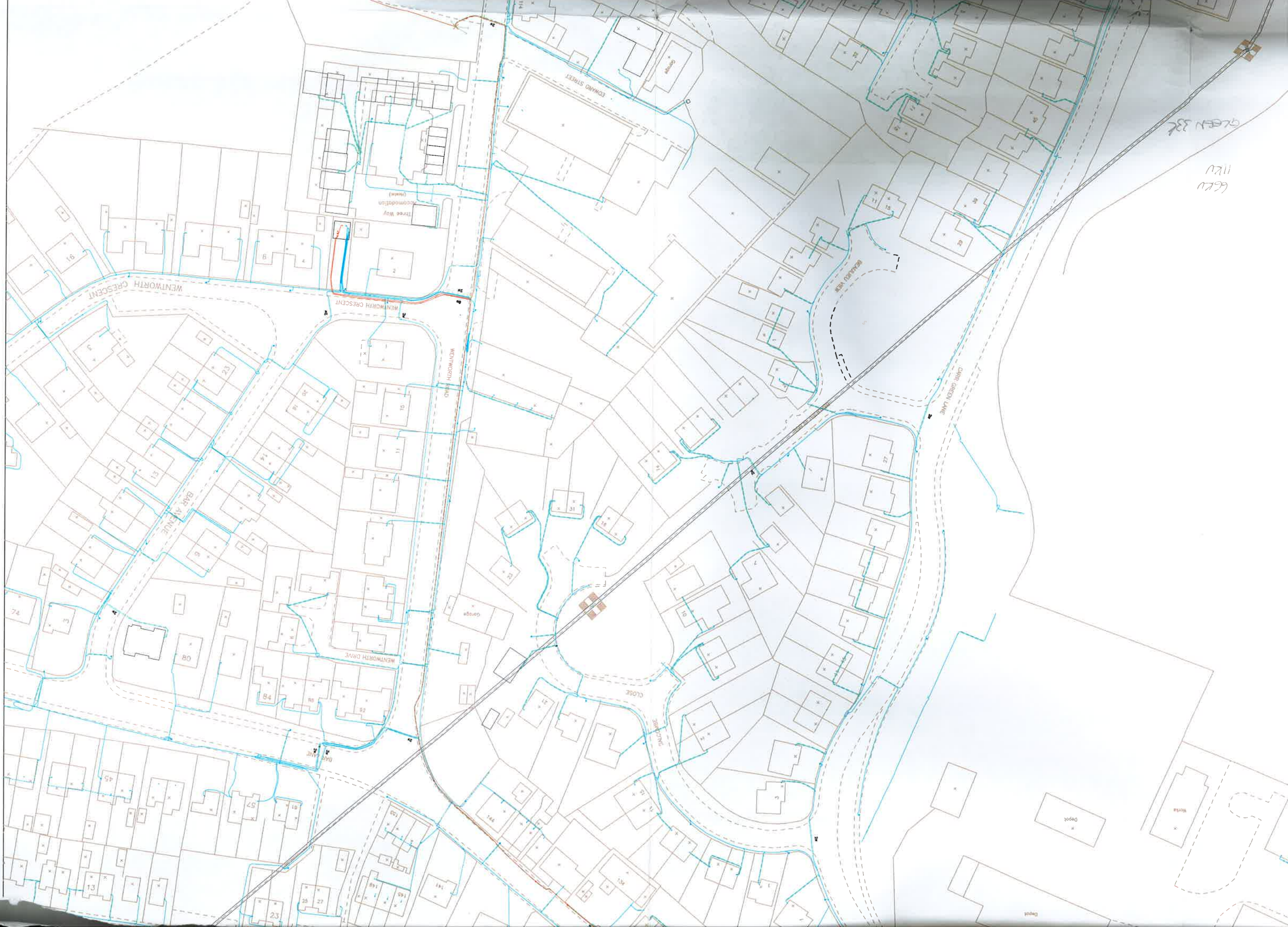
CROFT DRIVE
DARTON LANE
LONGLANDS DRIVE
RAVENS CLOSE
BROOMHEAD COURT
IBBERSON AVENUE
MOORSIDE CLOSE
SPARKFIELDS
Hall
Depot
Bakery
Health Centre
Health Centre


Greenside
TOWNGATE
SPARK LANE
SPARK LANE
Police Station
BLACKER ROAD
Methodist Church
WELLS COURT
WELLS COURT
PH
PW
Church
Church
Club
Club
Factory
Factory
Garage
Factory
Chapel View
(Nursing Home)
Aden House
(Home for the aged)
Aden House
(Home for the Aged)
Factory
Warehouse
Depot
Depot
Works
MARSKELL DRIVE
Issues


SNAILSEN WAY
CLOVERLANDS DRIVE
MAYNARDE CLOSE
HOPE STREET
PARK CLOSE
BLACKEN ROAD
HAMBLE COURT
WELLS COURT
Depot
Depot
Depot


PYE AVENUE
PYE AVENUE
SPARKFIELDS
SPARK LANE
Sinks
Drain
230
218
20
24
34
23/40
2
12
20
26
38
50
64
78
90
102
13
25
27
33
37
PW
51
65
77
16
105
14
15
1
144/142
2
26
28
129
149
159
171
181
200
204
201
2
1
5
9
211
211a
213


Issues
Warehouse
Works
Depot
Depot
Drain
Drain
66KV
11KV
GREEN 33K


WENTWORTH CRESCENT
WENTWORTH AVENUE
EDWARD STREET
BAR AVENUE
WENTWORTH DRIVE
CLOSE
CARR GREEN LANE
Depot

Drain

Drain

225

229

233

Drain

SPARK LANE

Drain

Drain

h Gawber Harworth Estates

The position of our equipment is shown on this plan as a

Water
Water
Drain
Drain
Issues
Drain
Drain
Drain
Drain
Works
CARR GREEN LANE
Sinks

Northern Powergrid Holdings Company.

urately as possible. However, it may have changed since the plan was produced. Therefore, the position of our equipment and those of service cables which

CARRON DRIVE

CARRON DRIVE

CARRON DRIVE

SPEY CLOSE

HILL END ROAD

HILL END ROAD

El Sub Sta

0191
2294294

Northern Powergrid Holdings	Safe Digging Map	08–07–2013
		1:1000

APPENDIX G

CORRESPONDENCE FROM NORTHERN POWERGRID (ELECTRIC)

NORTHERN POWERGRID

If telephoning or calling please ask for:

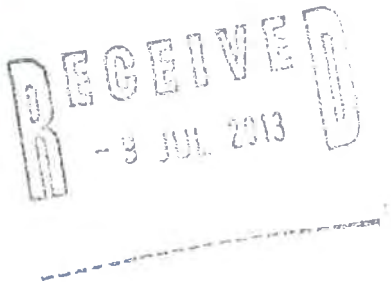
Peter Liddle
0191 2294294

Our Ref: 13/339079

Your Ref: 08 July 2013

Date:

Tom Foster
RSK ENSR Environment Ltd
172 Chester Road
Helsby
Cheshire
WA6 0AR



Dear Sir/Madam

REQUEST FOR RECORDS SHOWING LOCATION OF APPARATUS at:

North Gawber Harworth Estates

Thank you for your enquiry dated 04/07/2013 concerning the above. The enclosed Mains Records only give the approximate location of known Northern Powergrid apparatus in the area. Great care is therefore needed and all cables and overhead lines must be assumed to be live.

Please note that while all efforts are made to ensure the accuracy of the data, no guarantee can be given. We would refer you to the Health & Safety Executive's publication HS(G)47 "Avoiding Danger From Underground Services" which emphasises that:

* Plans must only be used as a guide in the location of underground cables. The use of a suitable cable-tracing device is essential and careful hand digging of trial holes must be carried out to positively identify and mark the exact route of the cable. You should also bear in mind that a cable is unmistakably located only when it has been safely exposed.

* Cable depths are not generally indicated on our records and can vary considerably even when shown.

* Great caution must be exercised at all times when using mechanical plant. Careful trial digging should always be carried out on the whole route of the planned excavation to ascertain no cables exist.

The Health & Safety Executive have another publication, GS6 "Avoidance of Danger from Overhead Electric Lines" that you should be aware of if your work is near overhead power lines. Both of these documents provide comprehensive guidance for observance of statutory duties under the Electricity at Work Regulations 1989 and the Health & Safety at Work Act 1974. Our provision of these records is based upon the assumption that people using them will have sufficient competence to interpret the information given. Any damage or injury caused will be the responsibility of the organisation concerned who will be charged for any repairs.

Please note ground cover must not be altered either above our cables or below overhead lines, in addition no trees should be planted within 3 metres of existing underground cables or 10 metres of overhead lines. All our apparatus is legally covered by a wayleaves agreement, lease or deed or alternatively protected under the Electricity Act 1989. Should any alteration / diversion of our Company's apparatus be necessary to allow your work to be carried out, budget costs can be provided by writing to Network Connections, Northumbria Works, Mill Street East, Dewsbury. WF12 9AH.

Yours faithfully

I. Foster.

Northern Powergrid Records Information Centre

Northern Powergrid Mains Records enclosed:

SE330096.TIF

If you would like an audio copy of this letter, a copy in large type, Braille or another language, please call 0800 169 7602.

Name: Chris Artist
Tel: 0113 241 5256
Our Ref: ENQ5240065, QUO5224982
Date: 09 October 2013

Mr Foster
R.S.K.
Spring Lodge 172 Chester Road
Helsby
Frodsham
WA6 0AR

Dear Mr Foster

Budget estimate for electricity connection at Carr Green Lane, North Gawber, Barnsley

Enquiry No: ENQ5240065, QUO5224982

Thank you for your enquiry about this site. As you requested, I am pleased to provide you with a budget estimate for the work we believe we will need to carry out to the Northern Powergrid (Yorkshire) plc distribution system to provide an electricity connection to this development.

We calculate our budget estimates by making assumptions about the work we will need to do based on similar work we have carried out in the past. We have not visited the site, analysed the electricity network in the area or carried out any technical studies. Therefore, the budget estimate we have given may differ from the amount in any later quotation.

I hope that this budget estimate is helpful to you. You should read it alongside the attached information which outlines any assumptions we have made and any aspects of the work that are likely to significantly change the charges.

We have used the information you have provided to process your application. We may also pass your details to a market research company who conduct customer satisfaction surveys on our behalf.

We aim to give the best possible service and I hope this information meets your needs. If you have any questions about the information in this letter, please contact me on the above number.

Yours sincerely

C. Artist

Chris Artist

Design Engineer

Budget estimate for a New electrical connection to the distribution system of Northern Powergrid (Yorkshire) plc

Your request

I understand that you need a distribution capacity of 800kVA to supply the Development. We have based this budget estimate on providing you with this capacity.

I understand that the development will consist of approximately 400 gas heated dwellings.

Providing the connection

To provide this connection, our initial investigations have shown that we will need to:

- Extend the existing high voltage underground distribution system to a position on the site and install a ground mounted substation. From this substation we will install underground low voltage distribution cables throughout the site and lay underground service cables to mutually acceptable service positions.
- Provide LV interconnectors from the new Substation to enable two existing Pole Mounted Transformers to the North of Site to be removed.
- Remove 4 sections of Overhead HV Cable adjacent to Spark Lane.
- It is assumed the Pye Avenue Pole Mounted Transformer can remain in its present location.

When calculating the budget estimate, we have assumed that:-

- we will not need to reinforce the local electricity network or carry out associated works that may be required to provide you with the load you have requested
- sufficient spare capacity exists within the local network
- there is adequate space to accommodate the additional switchgear and terminate the new circuit(s) at primary substation
- any substation will be sited next to the public highway with 24 hour, 365 days a year unrestricted vehicular access
- you will carry out all civil works on your site, including the construction of suitable substation accommodation built to our specification
- you grant us a lease, at no cost, for the substation accommodation
- we can obtain wayleaves and any other statutory consents for the cable route. If we need to obtain any wayleaves or consents from any third parties, there will be no charge or conditions imposed upon us
- you will carry out all excavations on site
- we can provide the connection along the most direct and economical route and there are no abnormal ground conditions along that route
- the work will be carried out during normal working hours of 9am to 5pm between Monday and Friday
- there are no disturbing loads, e.g. motors, welders
- your proposals will not affect any street furniture, e.g. street columns, bollards, traffic lights
- your proposals will not affect any existing assets, i.e. site entrance diversions, diversions across the site, substation re-locations
- any generation that you install complies with the associated Engineering Recommendations
- any equipment that you install which produces harmonics complies with the associated Engineering Recommendation
- any equipment you install that is classed as 'disturbing' complies with the associated Engineering Recommendation

The connection budget estimate

Based on the above criteria and assumptions, we estimate that the cost of providing a connection to this site will be in the region of £550, 000.00 plus VAT @ 20.0%

If you would like a quotation

This letter is not an offer to provide a connection and the above budget estimate is for guidance only. It is not a quotation and you cannot accept it and instruct us to start work.

If you wish to proceed with the provision of this connection and require a quotation, please write to:

Northern Powergrid
Network Connections
Cargo Fleet Lane
Middlesbrough
TS3 8DG

Please send us a completed application form, ensuring you provide the following minimum information. You can find all our application forms on the Northern Powergrid website www.northernpowergrid.com.

- Customer name and address (correspondence address), other contact details and preferred method of contact
- Site address
- Site plan at an appropriate scale to indicate the site boundary, the layout of buildings and roads and where the customer expects a substation(s) to be required, the proposed location of the substation(s). The plan should be free of unnecessary detail and be suitable for use as a background layer for the Distributor proposal drawing.
- Proposed location of each metering point
- Letter of authority where the applicant is acting as an agent of the customer
- Date when the customer requires the connection(s) to be made
- Maximum capacity (kVA) at each metering point to be connected (for domestic premises the Distributor may require a description of the premises and whether electric space and water heating is to be installed)
- Technical details of any electricity generator that is required to operate in parallel with the supply
- Technical details of any customer owned equipment that is likely to cause disturbance to the electricity supply (i.e. large motors, welders etc.)

We will then send you a quotation detailing our charges and terms of contract.

Timescale if you accept a quotation

If you accept a quotation from us, we may need up to 6 Months to provide the connection particularly if difficulties are encountered in obtaining the necessary consents, wayleaves, materials, etc.

Competition in connection

Under competition regulations, other companies may be able to carry out some aspects of this work. If you choose to use another company, you must ensure that they are accredited by 'Lloyds Register' to undertake the work.

Northern Powergrid records

If you need copies of Northern Powergrid mains records you can get these by contacting us using the following contact details:-

Northern Powergrid
Records Information Centre
New York Road
Shiremoor
Newcastle upon Tyne
NE27 0LP

Tel. 0191 2294294 or 0191 2294296

Name: Chris Artist
Tel: 0113 241 5256
Our Ref: ENQ5250653, QUO5235234
Date: 04 February 2014

Mr Foster
R.S.K.
Spring Lodge 172 Chester Road
Helsby
Frodsham
WA6 0AR

Dear Mr Foster

Budget estimate for electricity connection at Carr Green Lane, North Gawber, Barnsley, S75 6DY

Enquiry No: ENQ5250653, QUO5235234

Thank you for your enquiry about this site. As you requested, I am pleased to provide you with a budget estimate for the work we believe we will need to carry out to the Northern Powergrid (Yorkshire) plc distribution system to provide an electricity connection to this development.

We calculate our budget estimates by making assumptions about the work we will need to do based on similar work we have carried out in the past. We have not visited the site, analysed the electricity network in the area or carried out any technical studies. Therefore, the budget estimate we have given may differ from the amount in any later quotation.

I hope that this budget estimate is helpful to you. You should read it alongside the attached information which outlines any assumptions we have made and any aspects of the work that are likely to significantly change the charges.

We have used the information you have provided to process your application. We may also pass your details to a market research company who conduct customer satisfaction surveys on our behalf.

We aim to give the best possible service and I hope this information meets your needs. If you have any questions about the information in this letter, please contact me on the above number.

Yours sincerely

C. Artist

Chris Artist
Design Engineer

Budget estimate for a New electrical connection to the distribution system of Northern Powergrid (Yorkshire) plc

Your request

I understand that you need a distribution capacity of 506kVA. We have based this budget estimate on providing you with this capacity.

I understand that the development will consist of approximately 253 gas heated dwellings.

Providing the connection

To provide this connection, our initial investigations have shown that we will need to:

- Extend the existing high voltage underground distribution system to a position on the site and install a ground mounted substation. From this substation we will install underground low voltage distribution cables throughout the site and lay underground service cables to mutually acceptable service positions.

When calculating the budget estimate, we have assumed that:-

- we will not need to reinforce the local electricity network or carry out associated works that may be required to provide you with the load you have requested
- sufficient spare capacity exists within the local network
- there is adequate space to accommodate the additional switchgear and terminate the new circuit(s) at primary substation
- any substation will be sited next to the public highway with 24 hour, 365 days a year unrestricted vehicular access
- you will carry out all civil works on your site, including the construction of suitable substation accommodation built to our specification
- you grant us a lease, at no cost, for the substation accommodation
- we can obtain wayleaves and any other statutory consents for the cable route. If we need to obtain any wayleaves or consents from any third parties, there will be no charge or conditions imposed upon us
- you will carry out all excavations on site
- we can provide the connection along the most direct and economical route and there are no abnormal ground conditions along that route
- the work will be carried out during normal working hours of 9am to 5pm between Monday and Friday
- there are no disturbing loads, e.g. motors, welders
- your proposals will not affect any street furniture, e.g. street columns, bollards, traffic lights
- your proposals will not affect any existing assets, i.e. site entrance diversions, diversions across the site, substation re-locations
- any generation that you install complies with the associated Engineering Recommendations

- The 11kV Overhead network to the rear of the site can remain. No diversions are included within this budget quotation.
- any equipment that you install which produces harmonics complies with the associated Engineering Recommendation
- any equipment you install that is classed as 'disturbing' complies with the associated Engineering Recommendation

The connection budget estimate

Based on the above criteria and assumptions, we estimate that the cost of providing a connection to this site will be in the region of £355,000.00 plus VAT @ 20.0%

If you would like a quotation

This letter is not an offer to provide a connection and the above budget estimate is for guidance only. It is not a quotation and you cannot accept it and instruct us to start work.

If you wish to proceed with the provision of this connection and require a quotation, please write to:

Northern Powergrid
Network Connections
Cargo Fleet Lane
Middlesbrough
TS3 8DG

Please send us a completed application form, ensuring you provide the following minimum information. You can find all our application forms on the Northern Powergrid website www.northernpowergrid.com.

- Customer name and address (correspondence address), other contact details and preferred method of contact
- Site address
- Site plan at an appropriate scale to indicate the site boundary, the layout of buildings and roads and where the customer expects a substation(s) to be required, the proposed location of the substation(s). The plan should be free of unnecessary detail and be suitable for use as a background layer for the Distributor proposal drawing.
- Proposed location of each metering point
- Letter of authority where the applicant is acting as an agent of the customer
- Date when the customer requires the connection(s) to be made
- Maximum capacity (kVA) at each metering point to be connected (for domestic premises the Distributor may require a description of the premises and whether electric space and water heating is to be installed)
- Technical details of any electricity generator that is required to operate in parallel with the supply

- Technical details of any customer owned equipment that is likely to cause disturbance to the electricity supply (i.e. large motors, welders etc.)

We will then send you a quotation detailing our charges and terms of contract.

Timescale if you accept a quotation

If you accept a quotation from us, we may need up to 6 Months to provide the connection particularly if difficulties are encountered in obtaining the necessary consents, wayleaves, materials, etc.

Competition in connection

Under competition regulations, other companies may be able to carry out some aspects of this work. If you choose to use another company, you must ensure that they are accredited by 'Lloyds Register' to undertake the work.

Northern Powergrid records

If you need copies of Northern Powergrid mains records you can get these by contacting us using the following contact details:-

Northern Powergrid
Records Information Centre
New York Road
Shiremoor
Newcastle upon Tyne
NE27 0LP

Tel. 0191 2294294 or 0191 2294296

APPENDIX H

YORKSHIRE WATER (DRAINAGE) PLANS

Ringtwood Office, Ivyhouse Works, Ringwood, Hampshire, BH24 1NT
Eastern House, Hollins Road, Bradford BD3 7EX. Registered in England and Wales No. 2344092

safe-move
A part of YorkshireWater

Sewer Network features are not shown above a scale of 1:25,000

432572 : 409378	Map Name : SE3109SE	Title
Yorkshire Water, PO Box 500, Halifax Road, Bradford BD6 2LZ Contact Name : Ms H Webster Contact Tel :		Notes
		(Ody) COPYRIGHT STATEMENTS: Reproduced by permission of Ordnance Survey on behalf of HMSO.© Crown copyright and database 2004. All rights reserved.Ordnance Survey Licence number 100019959

Partial Key

Foul Sewer = F
Combined Sewer = C
Surface Water Sewer = SW
Trade Sewer = TD
Partially Separate = PS

This plan is furnished as a general guide only and no warranty as to its correctness is given or implied. This plan must not be relied upon in the event of excavation or other works in the vicinity of public sewers. No house or property connection

Date Req : 04/07/2013, 14:26:08
Date Gen : 04/07/2013, 14:26:21
Source : Sewer Network Enquiry

UPN: Undefined
Originator: H Webster, Safe Move,

APPENDIX I

CORRESPONDENCE FROM YORKSHIRE WATER (DRAINAGE)

YorkshireWater

Yorkshire Water Services
Developer Services
Sewerage Technical Team
PO BOX 52
Bradford
BD3 7AY

Tel: 0845 120 8482
Fax: (01274) 372 834

Email:
Technical.Sewerage@yorkshirewater.co.uk

For telephone enquiries ring:

Kashif Khan on (0845)120 8482

RSK Land & Development Engineering Ltd
Spring Lodge; 172 Chester Road
Helsby
Cheshire
WA6 0AR

FAO Tom Foster

RECEIVED
26 JUL 2013

Your Ref:
Our Ref: P010106

23rd July 2013

Dear Sir,

North Gawber, Barnsley - Pre-Planning Sewerage Enquiry on P123562

Thank you for your letter received 9th July 2013 and remittance. Our official VAT receipt has been sent to you under separate cover. Please find enclosed a complimentary extract from the Statutory Sewer Map which indicates the recorded position of the public sewers.

The following comments reflect our view, with regard to the public sewer network only, based on a 'desk top' study of the site:

There are 375 mm, 450 mm, 525 mm and 825 mm diameter public combined sewers recorded crossing the site. No buildings are to be erected within 3 (three) metres of the 375/450 mm diameter public sewers, 5 (five) metres of the 825 mm diameter public sewer and no buildings within 6 (six) metres of the 525 mm diameter public combined sewer.

Trees should not be planted within 5 (five) metres of these public sewers. It may not be acceptable to raise or lower ground levels over the sewers, nor to restrict access to the manholes on the sewers. If you wish to have these sewers diverted under Section 185 of the Water Industry Act 1991 an application should be made in writing. To discuss this matter, please telephone 0845 120 84 82.

There is an outfall to watercourse, under the control of Yorkshire Water, located near to/within the site. Vehicular access, including with large tankers, could be required at any time.

The local Waste Water Treatment Works (WWTW) is Dalton. It is understood that this WWTW may only have limited spare capacity, if any, available. We have contacted the respective treatment team for more information regarding the impact of proposed development and will contact you when an assessment has been made.

Development of the site should take place with separate systems for foul and surface water drainage. The separate system should extend to the public sewer.

Foul water domestic waste should discharge to the 525 mm diameter public combined sewer recorded crossing/within the site.

The developer's attention is drawn to Requirement H3 of the Building Regulations 2000. This establishes a preferred hierarchy for surface water disposal. Consideration should firstly be given to discharge to soakaway, infiltration system and watercourse in that priority order.

Sustainable Drainage Systems (SUDS), for example the use of soakaways and/or permeable hardstanding etc, may be a suitable solution for surface water disposal appropriate in this situation. You are advised to seek comments on the suitability of SUDS in this instance from the appropriate authorities.

Where appropriate, soakaways, swales and infiltration trenches (SUDS) may be adopted as part of the public sewer network. Further information may be seen in the DEFRA publication 'Interim Code of Practice for Sustainable Drainage Systems' (ISBN 0-86017-904-4). If the developer is considering adoption of SUDS they should contact our Developer Services Team on 0845 120 84 82.

The local public sewer network does not have capacity to accept any discharge of surface water from the proposal site. The developer is advised to contact the Environment Agency/local Land Drainage Authority with a view to establishing a suitable watercourse for discharge.

It is understood that watercourses are located through/adjacent to the site. These appear to be the obvious place for surface water disposal.

Please note further restrictions on surface water disposal from the site may be imposed by other parties. You are strongly advised to seek advice/comments from the Environment Agency/Land Drainage Authority, with regard to surface water disposal from the site.

Prospectively adoptable sewers and pumping stations must be designed and constructed in accordance with the WRc publication "Sewers for Adoption - a design and construction guide for developers" 6th Edition as supplemented by Yorkshire Water's requirements, pursuant to an agreement under Section 104 of the Water Industry Act 1991. An application to enter into a Section 104 agreement must be made in writing prior to any works commencing on site. Please contact our Developer Services Team (telephone 0845 120 84 82) for further information.

The public sewer network is for domestic sewage purposes. This generally means foul water for domestic purposes and, where a suitable surface water or combined sewer is available, surface water from the roofs of buildings together with surface water from paved areas of land appurtenant to those buildings. Land and highway drainage have no right of connection to the public sewer network. No land drainage to be connected/discharged to public sewer.

As a last resort, highway drainage may be accepted under certain circumstances. If it can be demonstrated, through satisfactory evidence, that SUDS are not a viable option, there are no watercourses or highway drains available and if capacity is available within the public sewer network, highway drainage discharges to the public sewer network may be permitted. In this event, the developer may be required to enter into a formal agreement with Yorkshire Water Services under Section 115 Water Industry Act 1991 to discharge non-domestic flows into the public sewer network.

Any new connection to an existing public sewer will require the prior approval of Yorkshire Water. You may obtain an application form from our website (www.yorkshirewater.com) or by telephoning 0845 120 84 82.

All the above comments are based upon the information and records available at the present time. The information contained in this letter together with that shown on any extract from the Statutory Sewer Map that may be enclosed is believed to be correct and is supplied in good faith. Please note that capacity in the public sewer network is not reserved for specific future development. It is used up on a 'first come, first served' basis. You should visit the site and establish the line and level of any public sewers affecting your proposals before the commencement of any design work.

Yours faithfully

Developer Services Team

YorkshireWater

FAO Mr T Foster
RSK Land & Development Engineering Ltd
Spring Lodge
172 Chester Road
Helsby
Cheshire
WA6 0AR

Developer Services
Customer Service & Networks
Yorkshire Water Services
PO Box 52
Bradford
BD3 7YD

T 0845 1 208 482
F 01274 303046
E wbu.service.centre@ yorkshirewater.co.uk
W www.yorkshirewater.com/extra-services

29 August 2013

Our Ref P168051
Your Ref

Dear Mr Foster

Development Enquiry at: North Gawber, Barnsley, Carr Green Lane, S75 6DY

Just to let you know, we have received your development enquiry for the above location. We will write to you again soon with the information you require. You should receive your response within 10 working days from the date of this letter.

Please find enclosed a VAT receipt for your Development Enquiry fee payment. If you have any questions about your enquiry please contact us on **0845 1 208 482** quoting reference **P168051**, we're here to help.

We regret we are unable to provide budget costs for tendering purposes.

Yours sincerely

Laura Tinnion
Developer Services

CARBON TRUST
CUSTOMER SERVICE EXCELLENCE

YorkshireWater

VAT Receipt

VAT Registration No. 500 5557 80

Payer's name and address:

RSK Land & Development Engineering Ltd
Spring Lodge
172 Chester Road
Helsby
Cheshire
WA6 0AR

Development Enquiry at: North Gawber, Barnsley, Carr Green Lane, S75 6DY

Receipt No. P168051
Tax point Date 29 August 2013

Description of Goods or Services	Cost centre/ GL code	VAT (%)	Net Value	VAT (£)
Development Enquiry Fee	19075 : 1301	20.0	£ 89.87	£ 17.97
	Sub Total		£ 89.87	£ 17.97
	Add VAT		£ 17.97	
	Total Received		**£ 107.84**	

Received with thanks

Laura Tinnion
Developer Services

CARBON TRUST
CUSTOMER SERVICE EXCELLENCE CSE

Tom Foster

From: Kashif.Khan@yorkshirewater.co.uk
Sent: 30 January 2014 16:38
To: Tom Foster
Subject: [SPAM] Fw: North Gawber, Barnsley - Pre-Planning Sewerage Enquiry on P123562

X-ESET-AS: SCORE=90

Tom

please see letter below.

After further investigation, it appears we have accepted foul only flows at the receiving treatment works under a separate planning application.

Regards

Kashif.

Sewerage Technical Team
Developer Services
0845 120 8482

----- Forwarded by Kashif Khan/Waste Water/YWS/Yorkshire Water on 30/01/2014 16:37 -----

Yorkshire Water Services
Developer Services
Sewerage Technical Team
PO BOX 52
Bradford
BD3 7AY

tfoster@rsk.co.uk

Your Ref:
Our Ref: P010106

Tel: 0845 120 8482
Fax: (01274) 372 834

Email:
Technical.Sewerage@yorkshirewater.co.uk

For telephone enquiries ring:

Kashif Khan on (0845)120 8482

30th January 2014

Dear Sir,

North Gawber, Barnsley - Pre-Planning Sewerage Enquiry on P123562

Further to my previous correspondence and our telephone conversation of today:

We are prepared to accept foul water only into the public sewerage system, but no surface water must enter the public sewer network. Surface water will cause an unnecessary load into the Water Treatment Works. A separate outfall must be provided by the developer.

Yours faithfully

Developer Services Team

Spotted a leak?
If you spot a leak please report it immediately. Call us on 0800 57 3553 or go to http://www.yorkshirewater.com/leaks

Get a free water saving pack
Don't forget to request your free water and energy saving pack, it could save you money on your utility bills and help you conserve water. http://www.yorkshirewater.com/savewater

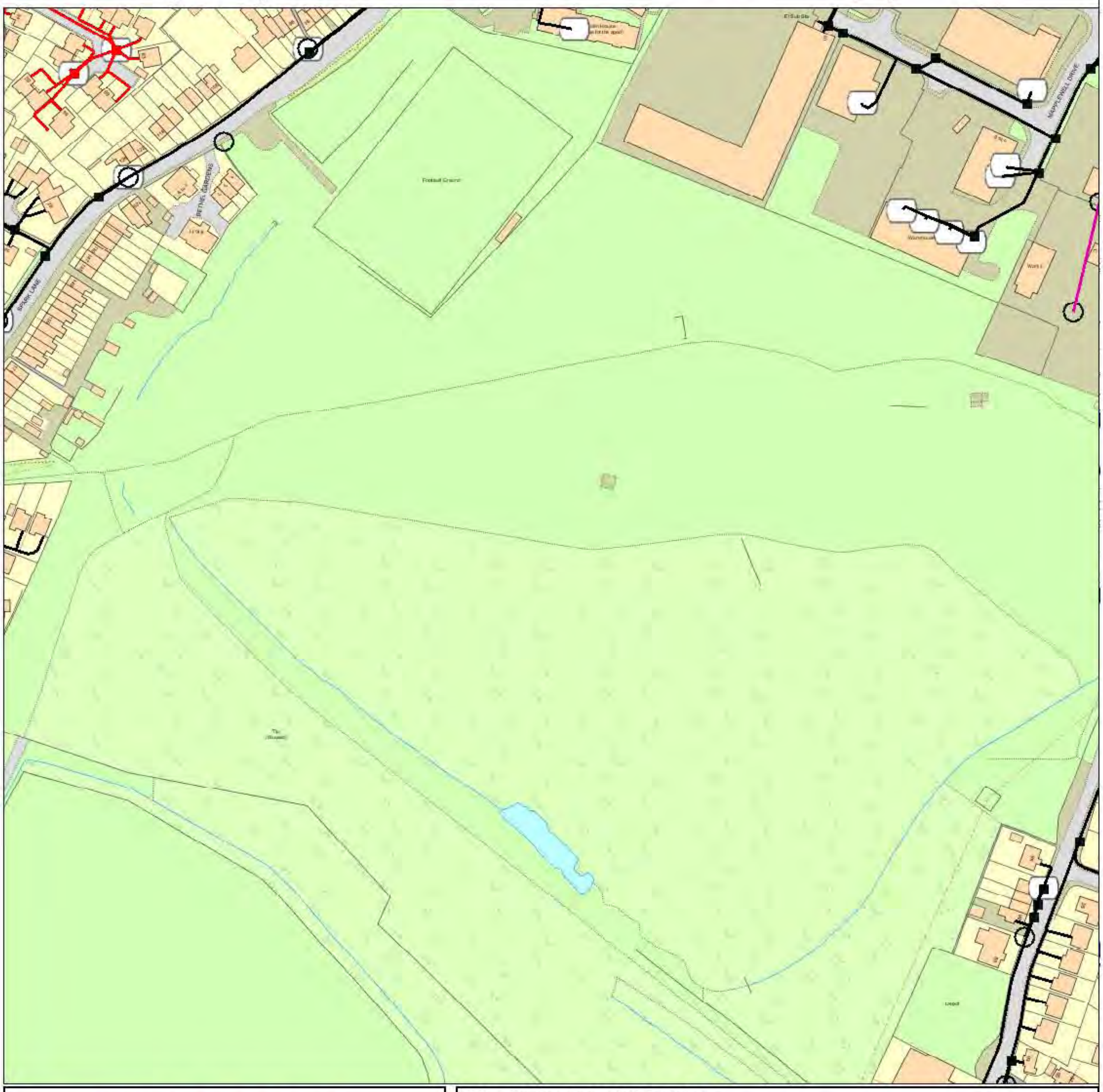
The information in this e-mail, and any files transmitted with it, is confidential and may also be legally privileged. The contents are intended solely for the addressee only and are subject to the legal notice available at http://www.keldagroup.com/email.htm. This email does not constitute a binding offer, acceptance, amendment, waiver or other agreement, or create any obligation whatsoever, unless such intention is clearly stated in the body of the email. If you are not the intended recipient, please return the message by replying to it and then delete the message from your computer. Any disclosure, copying, distribution or action taken in reliance on its contents is prohibited and may be unlawful.

Yorkshire Water Services Limited
Registered Office Western House, Halifax Road, Bradford, BD6 2SZ Registered in England and Wales No 2366682

APPENDIX J

BT (TELEPHONE) PLANS

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.

DIAL BEFORE YOU DIG

FOR PROFESSIONAL ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS

ADVANCE NOTICE REQUIRED
(Office hours: Monday-Friday 08.00 to 17.00)

Tel: 0800 9173993
E-mail: dbyd@openreach.co.uk
Website: www.dialbeforeyoudig.com

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

KEY TO BT SYMBOLS

- UNDERGROUND PLANT
- A/C, D/W or W — OVERHEAD PLANT
- JOINT BOX
- 456 OR 456 — DISTRIBUTION POINT
- OR 72 — MANHOLE
- DP BOUNDARY
- OR — OTHER BT BOUNDARY
- POLE
- CABINET
- BURIED JOINT
- J — JOINTING POST
- PROPOSED U/G
- A/C, D/W or W — PROPOSED O/H
- PROPOSED BOX

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 the time of preparation.

openreach
a BT Group business

BT Ref : HHO10408A
Map Reference : (centre) SE3299309683
Easting/Northing : (centre) 432993,40968
Issued : 04/07/2013 10:41:22

FOOTNOTE: WARNING IT IS ESSENTIAL THAT YOU CONTACT NATIONAL NETWORK HANDLING CENTRE BY EMAIL nnhc@openreach.co.uk BEFORE PROCEEDING WITH ANY WORK IN THE HATCHED AREA

APPENDIX K

CORRESPONDENCE FROM UTILITIES NOT AFFECTED

Dear Linesearch User,

Your Linesearch enquiry details have been passed to our enhanced service LinesearchbeforeUdig to be checked against asset owners who are **not** on Linesearch. The result of this search is shown on the following pages, together with your Linesearch reference number which links these searches together.

THESE LINESEARCHBEFOREUDIG RESULTS MUST BE READ IN CONJUNCTION WITH THE CORRESPONDING LINESEARCH RESULTS - LS-130704-OD-898-JEO

If you search using LinesearchbeforeUdig directly rather than Linesearch you will receive the following benefits:

- your enquiry will search against more members assets including
  - all the existing Linesearch members
  - plus all the LinesearchbeforeUdig asset owners
  - plus (where your search falls in the relevant geographic area) Western Power Distribution and/or Electricity North West Limited
  - plus a list of other asset owners known to be within the area of your search who you may choose to contact
- you can search your enquiry using our existing circle search, or if more appropriate, search using our linear and area tools

How to start using the enhanced service?

Please click here: www.linesearchbeforeudig.co.uk

Then click the “Forgotten your password” option, type in your Linesearch username and your email address. An email will be sent to you with a new password. Please note we are unable to transfer over your existing Linesearch password.

Enquiry Confirmation

LSBUD Ref: 872021

Date of enquiry: 04/07/2013

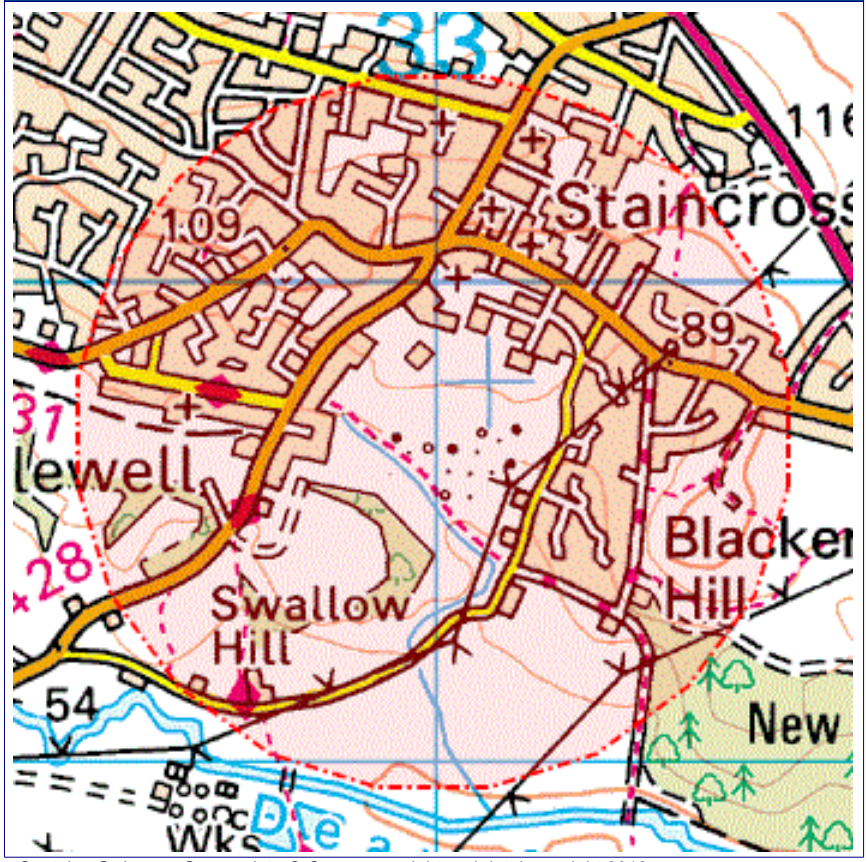
Enquirer

Name	Mr Tom Foster	Phone	01928728114
Company	RSK Group plc	Mobile	Not Supplied
		Fax	Not Supplied
Address	SPRING LODGE 172 Chester Road HELSBY CHESHIRE WA6 0AR		
Email	tfoster@rsk.co.uk		
Notes	Asset Owners have been requested to respond to you via these contact details, please ensure they are correct. Where Asset Owners charge for plans they have been requested to send you a quote before proceeding.		

Enquiry Details

Scheme/Reference	North Gawber		
Enquiry Type	Planned Works	Work category	Development Projects
Start date	27/12/2015	Work type	Housing
End date	Not supplied	Site size	1500 metres diameter
Searched location	XY= 432993, 409683	Work type buffer*	25 metres
Confirmed location	432993 409683	LS Reference	LS-130704-OD-898-JEO

Site Map



V3.2.7

Contains Ordnance Survey data © Crown copyright and database right 2012

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

Enquiry Confirmation

LSBUD Ref: 872021

Date of enquiry: 04/07/2013

Asset Owners

Subject always to our standard terms and conditions, this enquiry result is valid for 28 days only from the date of enquiry and is based on the confirmed information you entered. If the location of the work changes then a further enquiry must be made. Should the work not be undertaken within 28 days of the enquiry then a further enquiry must be made.

Where applicable listed below are those registered Asset Owners who have been notified, those to whom you need to send further information and those who have no apparatus within your search area. In addition your response will include other non-registered Asset Owners contact details who have NOT been notified, which may be of interest to you.

Please be aware that the lists below are not exhaustive and that not all Asset Owners are registered with this service. In particular please note that the LinesearchbeforeUdig system only contains information on National Grid's Transmission assets. This does not cover National Grid Gas Distribution assets. Please contact National Grid Plant Protection on plantprotection@nationalgrid.com

If you are required to email additional info please note that we need the following:
Site contact name and number, Location plan, Detailed plan (minimum scale 1:2500), Cross sectional drawings (if available), Work Specification.

Asset Owners who DO have assets near your proposed work site.

In the Zone of Interest			
Asset Owner	**Phone/Email**	**Emergency Only**	**Status**
ES Pipelines	01372 227560	01372 227560	Notified

LinesearchbeforeUdig Asset Owners who DO NOT have assets in the immediate vicinity of your proposed work site.

Not in the Zone of Interest		
AWE Pipeline	Gamma	Transmission Capital
BP Midstream Pipelines	Sea Fibre Networks	
EirGrid	Seabank Power Ltd	

Disclaimer
The results of this Enquiry have been provided for the sole use of the Enquirer and no other party. The asset information on which the Enquiry results are based has been provided by LinesearchbeforeUdig members, LinesearchbeforeUdig will provide no guarantee that such information is accurate or reliable nor does it monitor such asset information for accuracy and reliability going forward. There are also asset owners which do not participate in the enquiry service operated by LinesearchbeforeUdig, including but not exclusively those set out above. Therefore, LinesearchbeforeUdig cannot make any representation or give any guarantee or warranty as to the completeness of the information contained in the enquiry results. LinesearchbeforeUdig and its employees, agents and consultants accept no liability (except insofar as liability under any statute that cannot be excluded) arising in respect thereof or in any other way for errors or omissions including responsibility to any person by reason of negligence. Please refer to LinesearchbeforeUdig's Terms of Use for full terms of use available at www.linesearchbeforeudig.co.uk

Tom Foster

From: ES Pipelines [email@espipelines.com]
Sent: 17 July 2013 14:39
To: Tom Foster
Subject: Plant Affected Notice from ES Pipelines
Attachments: AffectedPlantEnquiryGuidelines.doc; ESN010047.pdf; ESN7077.1.pdf

Tom Foster
LSBUD

17 July 2013

Our Ref: PE115897
Your Ref: 872021/North Gawber

Mapplewell

Dear Sir/Madam,

Further to your enquiry received on 04/07/2013, I can confirm that ES Pipelines Ltd may be affected by the proposed works in the area of Mapplewell. ES Pipelines Ltd has a low pressure gas main serving the area in question (Reference **ESN010047**/**ESN7077**) at grid reference E432993, N409683 and security of supply is vitally important.

Project drawing as laid extracts for these sites are enclosed (not to scale) for your information which show the approximate location of the ES Pipelines Ltd gas network close to the area of interest off Mapplewell.

As your plans for the proposed work develop you are required to keep ES Pipelines Ltd 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.

A list of precautionary measures is attached for your information. This must be passed on to the appointed Contractors carrying out the work and any other associated parties.

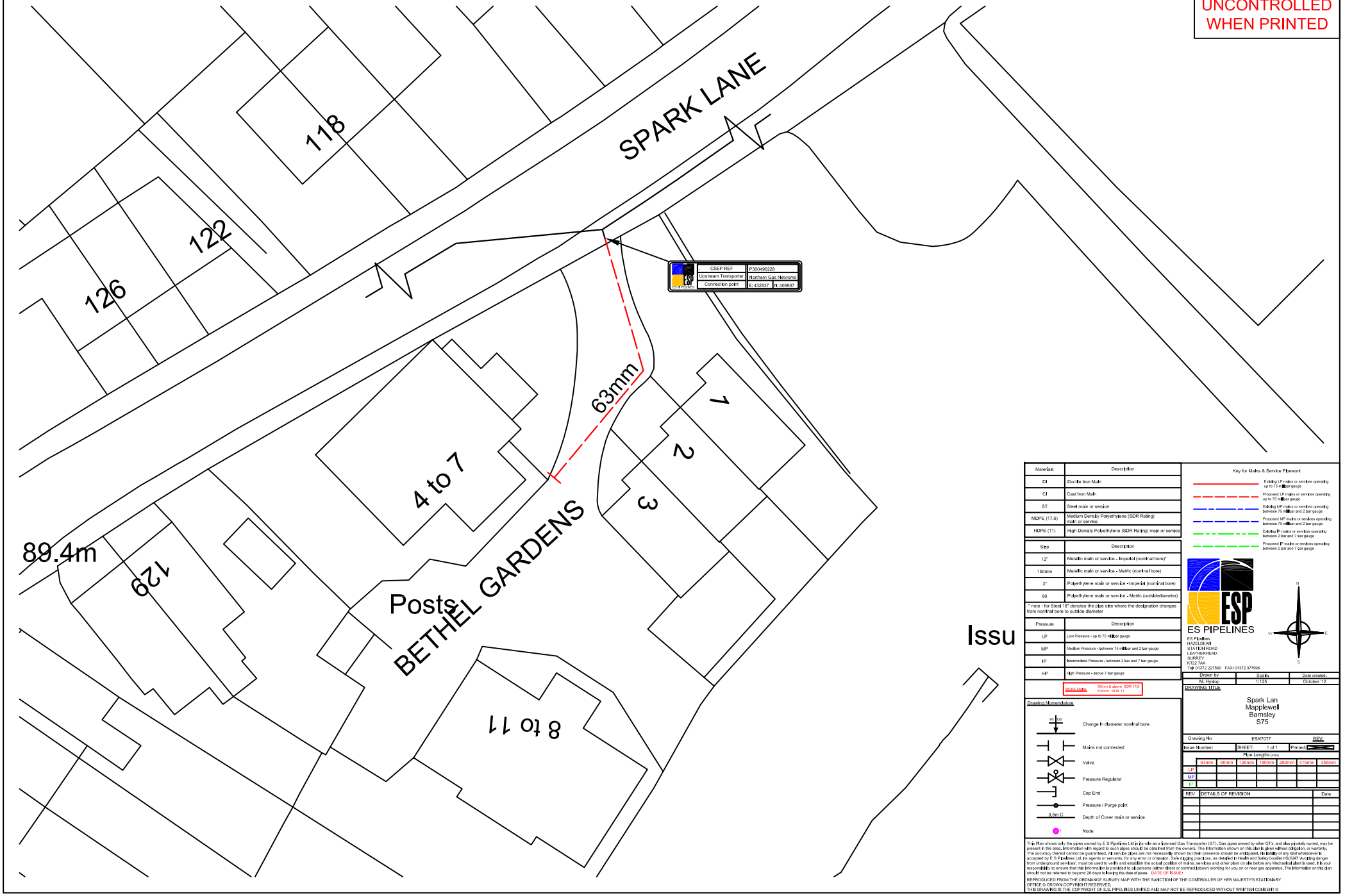
ESP Are continually constructing new gas and electricity networks and this notification is valid for 90 days from the date of this letter. If your proposed works start after this period of time, please re-submit your enquiry.

If you wish to discuss the matter further, please contact myself or the team on 01372 227560.

Yours faithfully,

Alan Slee
Operations Manager

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Issu

Materials	Description
DI	Ductile Iron Main
CI	Cast Iron Main
ST	Steel main or service
MDPE (17.6)	Medium Density Polyethylene (SDR Rating) main or service
HDPE (11)	High Density Polyethylene (SDR Rating) main or service

Size	Description
12"	Metallic main or service - Imperial (nominal bore)*
150mm	Metallic main or service - Metric (nominal bore)
3"	Polyethylene main or service - Imperial (nominal bore)
90	Polyethylene main or service - Metric (outsidediameter)

* note - for Steel 16" denotes the pipe size where the designation changes from nominal bore to outside diameter

Pressure	Description
LP	Low Pressure - up to 75 mBar gauge
MP	Medium Pressure - between 75 mBar and 2 bar gauge
IP	Intermediate Pressure - between 2 bar and 7 bar gauge
HP	High Pressure - above 7 bar gauge

MDPE Mains 90mm & above SDR 17/6
63mm SDR 11

Drawing Nomenclature

- Change in diameter nominal bore
- Mains not connected
- Valve
- Pressure Regulator
- Cap End
- Pressure / Purge point
- 0.8m C — Depth of Cover main or service
- Node

Key for Mains & Service Pipework

- Existing LP mains or services operating up to 75 mBar gauge
- Proposed LP mains or services operating up to 75 mBar gauge
- Existing MP mains or services operating between 75 mBar and 2 bar gauge
- Proposed MP mains or services operating between 75 mBar and 2 bar gauge
- Existing IP mains or services operating between 2 bar and 7 bar gauge
- Proposed IP mains or services operating between 2 bar and 7 bar gauge

ES PIPELINES
ES Pipelines
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Drawn by	Scale:	Date created:
M. Hyslop	1:125	October '12

DRAWING TITLE

Spark Lan
Mapplewell
Barnsley
S75

Drawing No.	ESN7077	REV:
Issue Number:	SHEET: 1 of 1	Printed:

Pipe Lengths (mm)

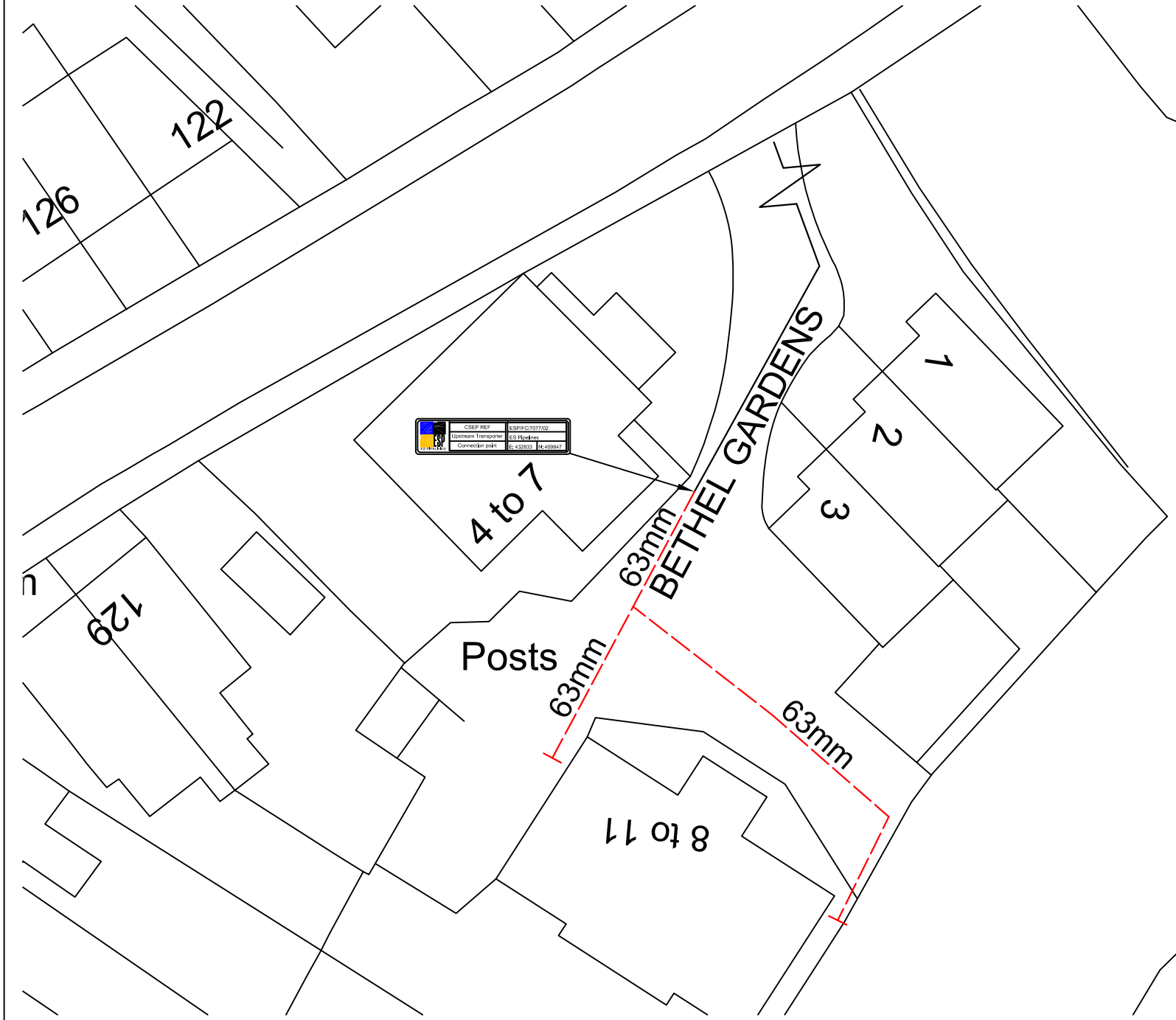
	63mm	90mm	125mm	180mm	250mm	315mm	355mm
LP							
MP							
IP							

REV	DETAILS OF REVISION	Date

This Plan shows only the pipes owned by E S Pipelines Ltd in its role as a licensed Gas Transporter (GT). Gas pipes owned by other GTs, and also privately owned, may be present in the area. Information with regard to such pipes should be obtained from the owners. The information shown on this plan is given without obligation, or warranty. The accuracy thereof cannot be guaranteed. All service pipes are not necessarily shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by E S Pipelines Ltd, its agents or servants, for any error or omission. Safe digging practices, as detailed in Health and Safety booklet HS(G)47 'Avoiding danger from underground services', must be used to verify and establish the actual position of mains, services and other plant on site before any Mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct or contract labour) working for you on or near gas apparatus. The information on this plan should not be referred to beyond 28 days following the date of issue. DATE OF ISSUE:

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Drawn by	Scale:	Date created:
N. Hynes	1:125	October '12

DRAWING TITLE

Bethel Gardens
Mapplewell
Barnsley
S75

Drawing No	ESN010047	REV:
Issue Number:	SHEET: 1 of 1	Printed:

Pipe Lengths (mm)

	63mm	90mm	125mm	180mm	250mm	315mm	355mm
LP							
MP							
IP							

REV	DETAILS OF REVISION	Date

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