

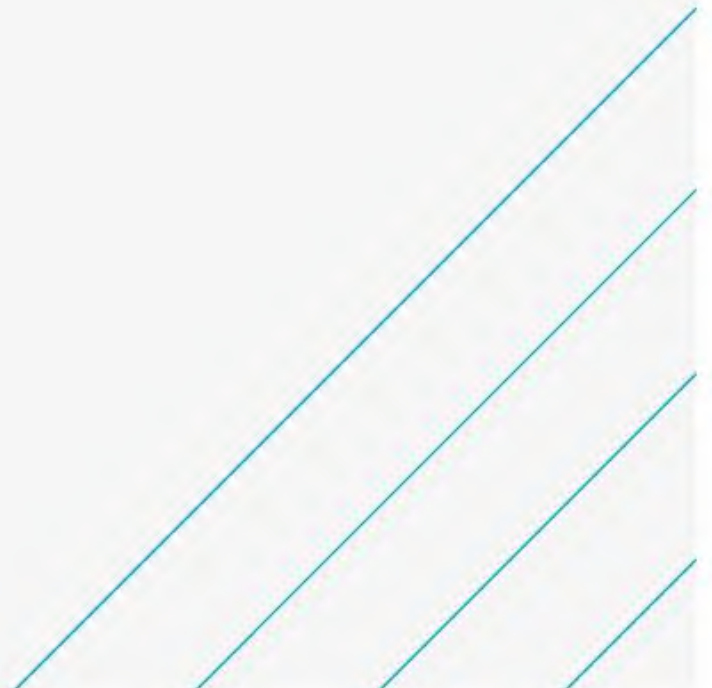
Appendix 14.1. Utility Services Report

Mortarstown Waste Water Treatment Plant & Kilkenny Road Pumping Station

Utility Services Report

Irish Water

14/11/2019



Notice

This document and its contents have been prepared and are intended solely as information for Irish Water and use in relation to the Mortarstown Wastewater Treatment Plant & the Kilkenny Road Pumping Station.

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This document has 28 pages including the cover.

Document history

Revision	Purpose description	Originated	Checked	Reviewed	Authorised	Date
Rev 0.0	Preliminary report	CG	MR	-	MR	14/11/2019
Rev 1.0	Updated to include Outfall	CG	PE	-	PE	22/02/2021
Rev 2.0	Updated to include road data	CG	PE	-	PE	21/01/2022

Client signoff

Client	Irish Water
Project	Mortarstown Water Treatment Plant
Job number	5161805
Client signature / date	

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Introduction

Atkins has undertaken a utility services search to identify the location of existing services in relation to the proposed upgrade at Mortarstown Wastewater Treatment Plant (WwTP) and the Kilkenny Rd Pumping Station (PS), Co Carlow.

This report is a record of the utility information that has been requested and received from the service providers identified as having infrastructure in the area of the WwTP and Kilkenny Rd PS and includes service provider information for Kilkenny Road and Green Road.

1. Utility Records Search

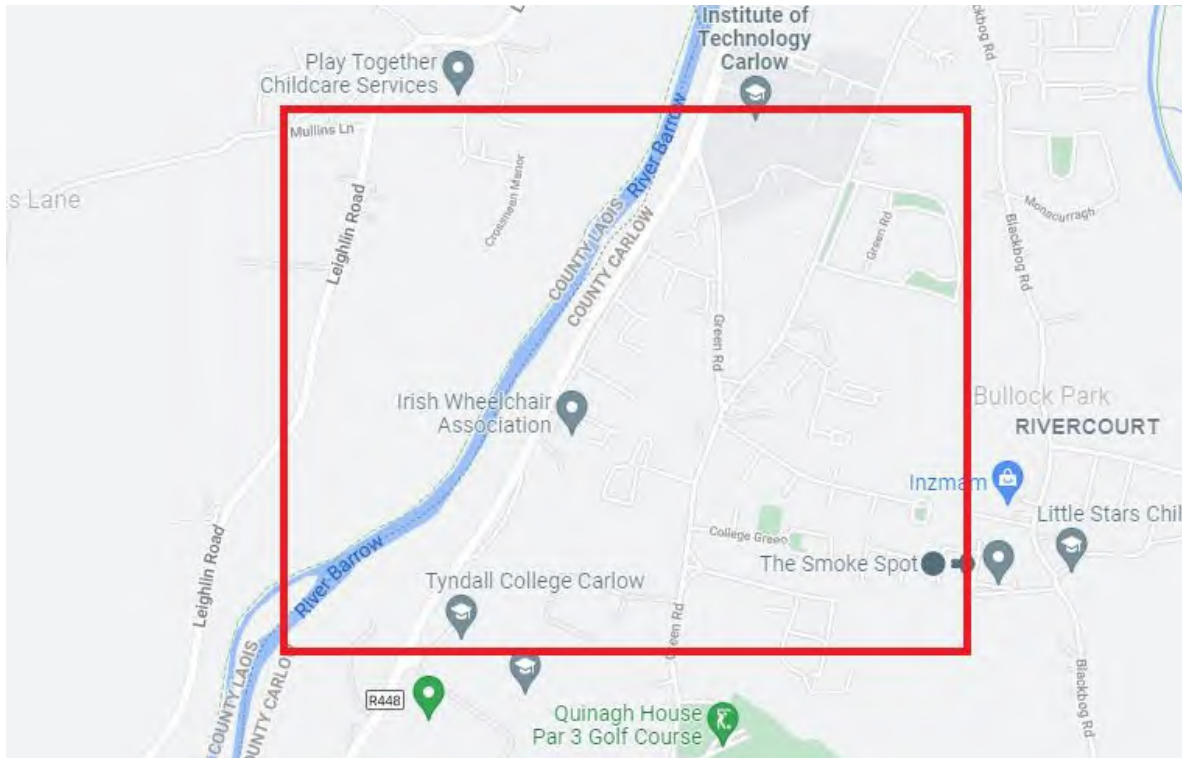


Figure 1-1 - Utility Records Search Area

As shown in Figure 1-1 utility records have been requested from known service providers within the area outlined red. Details of service provider records sought by Atkins and current status of the request is shown in

1.1. Identified Service Providers

Utility Company	Contact Details	Request Sent	Date Sent	Second Request Date Sent	Response Received	Date Received	Services Present	Comment
AFFECTED								
Irish Water	datarequests@water.ie	Yes	08/10/2019	14/01/2022	Yes		Yes	AutoCad dwgs provided
Gas Networks Ireland	dig@gasnetworks.ie	Yes	08/10/2019	14/01/2022	Yes	09/10/2019	Yes	5161805-21-CO-00141
Virgin Media	civils@virginmedia.ie	Yes	08/10/2019	14/01/2022	Yes	15/10/2019	Yes	5161805-22-CI-00157
ESB	dig@esb.ie	Yes	08/10/2019	14/01/2022	Yes	17/10/2019	Yes	5161805-22-CI-00161
Eir	plantalterations@eir.ie	Yes	08/10/2019	14/01/2022	Yes	09/10/2019	Yes	5161805-21-CO-00142
NO RESPONSE / POSSIBLY AFFECTED								
Vodafone	office.ie@vodafone.com	Yes	08/10/2019	14/01/2022				
NOT AFFECTED								
BT Ireland	www.ctw4.nl	Yes	14/10/2019	14/01/2022	Yes	14/10/2019	No	5161805-22-CI-00156
Enet	cbyd@enet.ie	Yes	08/10/2019	08/10/2019	Yes		No	
Irish Rail	ormation/station-androute-maps	No	-	-			No	No rail infrastructure in area

Table 1-1 - Details of utility company records checked at Mortarstown WwTP, Kilkenny Rd PS, Green Road & Kilkenny Road

1.2. Review of information provided by third parties

The information obtained from each services provider is contained in Appendix A. The sections below describe the information that has been received to date.

1.2.1. Irish Water

Infrastructure indicated at both locations.

A request was submitted via datarequests@water.ie for both locations in relation to foul, storm and water infrastructure in the project area. Digital datasets were issued via email in AutoCAD format. The drawings did not indicate clearly the position of all utilities. A request was also sent to the Local Authority who provided drawings in PDF format which proved more useful.

1.2.2. Eir

Eir infrastructure indicated at both locations.

Eir (previously Eircom) is a provider of telephone, broadband and mobile data communications. It has a large services presence in Ireland. Services information was requested via its online "Click Before You Dig" service and the information was returned electronically.

The quality of the information received appears to be quite good. A3 drawings were provided in pdf format identifying route and chamber locations, however, the scale of the drawings means that it is unlikely that this represents a true reflection of the exact on-site location of the service. Details of the chamber sizes and depth of the services below ground level is not included. Some information on the size of ducts is included.

1.2.3. Gas Networks Ireland

Gas infrastructure indicated at both locations.

Gas Networks Ireland own, operate, build and maintain the natural gas networks in Ireland and connect all customers to the network. A request was submitted by email and was returned in PDF format. There are existing gas mains in the vicinity of both developments. Records appear to be of a good quality and indicate pipeline positions, offsets from fixed features, pipe sizes and depth in some cases.

1.2.4. ESB

ESB infrastructure indicated at both locations.

ESB is the provider of critical energy infrastructure in Ireland. Information on this critical infrastructure was obtained by Atkins in AutoCAD format. The information provided is of a good standard and includes details of the location of the above and below ground cables including information on voltage. However, there is no information on the height of the infrastructure above or depth below ground level. The location of poles and chambers is shown but details on size and type are not included. Again, as a result of scale this information cannot be relied upon to be a true reflection of the exact location of the utility on site.

1.2.5. Virgin Media

Virgin Media infrastructure indicated at Mortarstown WWTP but not Kilkenny Rd PS.

Virgin Media was contacted via email. Virgin Media have existing services in the area of the development. A3 drawings were provided in pdf format identifying route and chamber locations,

however, the scale of the drawings means that it is unlikely that this represents a true reflection of the exact on-site location of the service. Details of the chamber sizes and depth of the services below ground level is not included.

1.2.6. ENet

ENet infrastructure indicated at Mortarstown WWTP but not the Kilkenny Rd PS

ENet operates fibre optic infrastructure known as Metropolitan Area Networks (MANs) on behalf of the Irish government. The online 'Click Before You Dig' option was used, there were ENet infrastructure found at the Kilkenny Rd PS but there is no ENet infrastructure at Mortarstown WWTP.

1.2.7. BT Ireland

BT Ireland was contacted via email and records were checked using an online mapping facility. BT Ireland do not have any services in both proposed work location.

1.2.8. Vodafone

Vodafone is one of the largest providers of mobile phone and broadband services in Ireland. An email was issued to Vodafone but no response has been received to date.

1.2.9. Irish Rail

Information on the railway network in Ireland is available from the Irish Rail website. There is no railway that impacts on the proposed works area.

2. Utility Search limitations

The following limitations relating to the available utility services information should be noted:

Data not provided

Where providers have not responded to data requests or information is outstanding, some services may not currently be identified in this report.

Further enquiries will be submitted with the utility companies, however, on site identification may be required.

Accuracy of data provided

The quality of records held by each utility company varies and should generally be considered as indicative of service positions only. On-site verification and further liaison with the utility companies should be undertaken prior to progressing works.

Missing information

Recently installed services may not have been updated on utility company records in some cases. On-site verification and further liaison with the utility companies should be undertaken prior to progressing with works.

Appendices

Appendix A. Records Received from Utility Companies

Irish Water

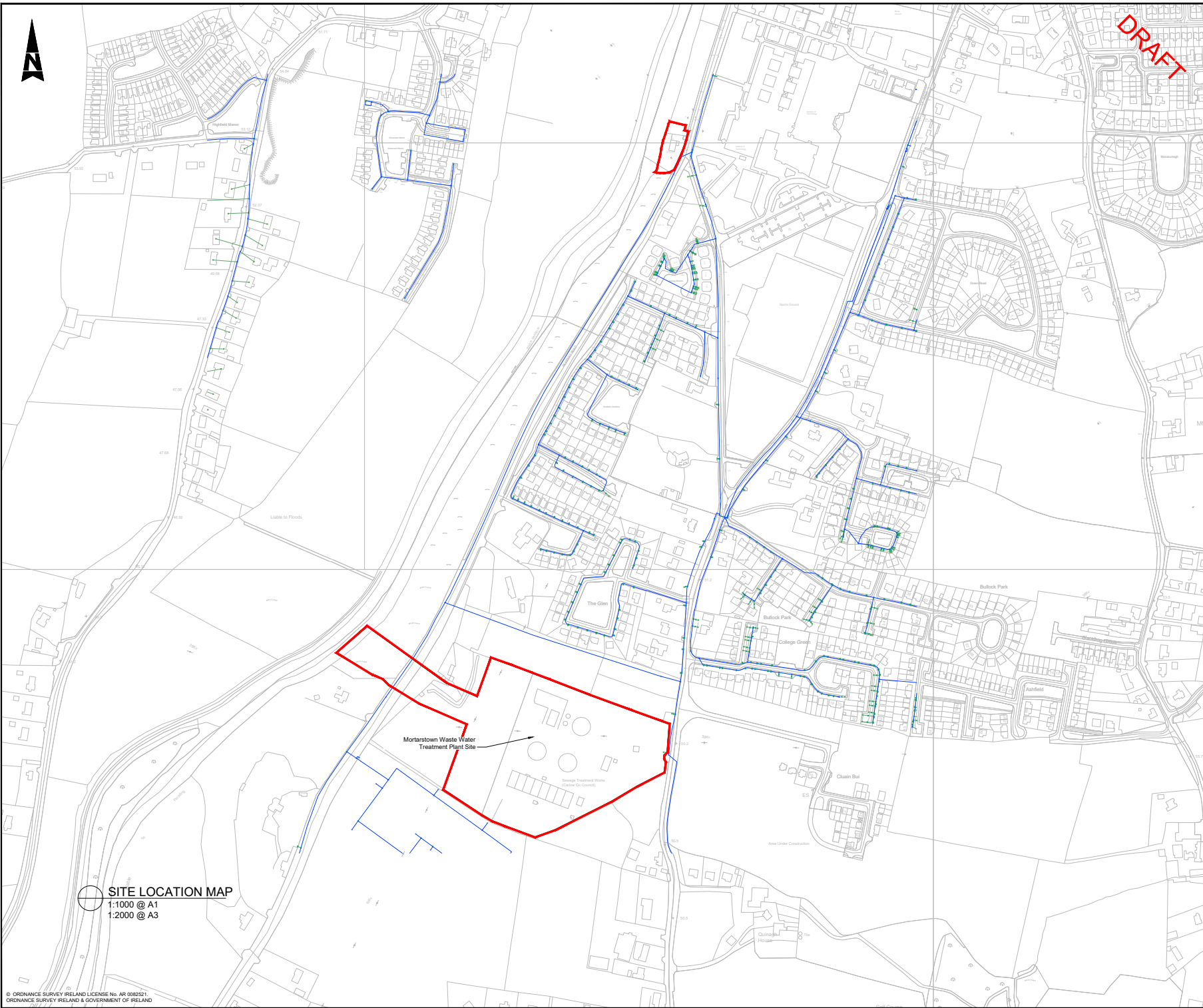
A1

DO NOT SCALE

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Date: Jan 20, 2022 - 13:49m Plotted by: Drogan

© ORDNANCE SURVEY IRELAND LICENSE No. AR 0082521
ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
G:\S161805\6 Dwg-Graphics\66 Temp\S161805_EWE_DR_MOR_EX_WM.dwg



SITE LOCATION MAP
1:1000 @ A1
1:2000 @ A3

- GENERAL NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
 2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS
 3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM
 4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR
 5. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION

— SITE BOUNDARY
— EXISTING WATERMAIN

Purpose					
INFORMATION					
1	INCLUDES SERVICES IN ROAD	CG	20.01.22	PE	BMcK
-	FOR INFORMATION	CG	19.02.21	AM	PE
Rev	Description	By	Date	CHK'd	Auth

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Tel: (+353) 091 786 050 Fax: (+353) 091 779 830

Client
UISCE IRISH WATER
Colville House,
24-26 Talbot Street,
Dublin 1.
Tel: 1890 278 278 Web: www.water.ie

Project
**MORTARSTOWN WASTE WATER
TREATMENT PLANT UPGRADE**

Title
**MORTARSTOWN WWTP UPGRADE
EXISTING WM**

Original Scale	Design/Drawn	Checked	Authorised
1:1000 @ A1	CG	AM	PE
1:2000 @ A3	Date 19.02.21	Date 19.02.21	Date 19.02.21

Status	Drawing Number	Rev
I	5161805_EWE_DR_MOR_EX_WM	1

A1

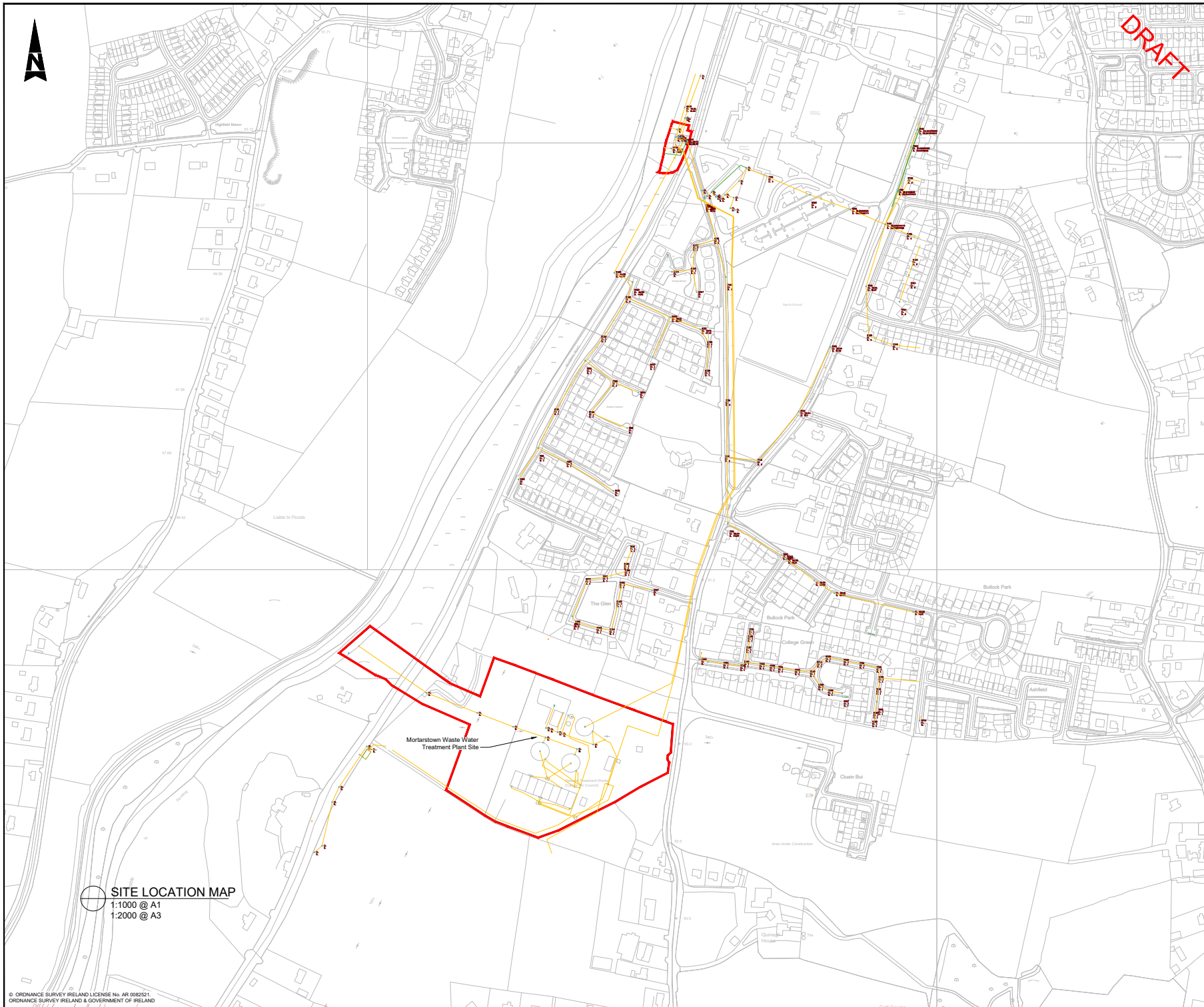
DO NOT SCALE

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Date: Jan 20, 2022 - 14:46m Plotted by: Cogan

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G:\5161805\6 Dwg-Graphics\66 Temp\5161805_EWE_DR_MOR_EX_FOUL.dwg



DRAFT

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 5. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION

— SITE BOUNDARY
— EXISTING FOUL

Purpose					
INFORMATION					
1	INCLUDES SERVICES IN ROAD	CG	20.01.22	PE	BMcK
-	FOR INFORMATION	CG	19.02.21	AM	PE
Rev	Description	By	Date	CHK'd	Auth

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2nd Floor Technology House, Parkmore Technology Park, Galway
Tel: (+353) 091 786 050 Fax: (+353) 091 779 830

Client
UISCE IRISH WATER
Colville House,
24-26 Talbot Street,
Dublin 1.
Tel: 1890 278 278 Web: www.water.ie

Project					
MORTARSTOWN WASTE WATER TREATMENT PLANT UPGRADE					
Title					
MORTARSTOWN WWTP UPGRADE EXISTING FOUL					
Original Scale	Design/Drawn	Checked	AM	Authorised	PE
1:1000 @ A1	CG				
1:2000 @ A3	Date 19.02.21	Date 19.02.21	Date 19.02.21	Date 19.02.21	
Status	Drawing Number		Rev		
I	5161805_EWE_DR_MOR_EX_FOUL 1				

Gas Networks Ireland



Important Safety Notice:

Damage to gas pipelines can result in serious injury or death. Gas network information is provided as a general guide. The exact location and depth of medium or low pressure distribution gas pipes must be verified on site by carrying out necessary investigations, including, for example, hand digging trial holes along the route of the pipe. Service pipes are not generally shown but their presence should always be anticipated.

High pressure transmission pipelines are shown in red. If a transmission pipeline is identified within 10m of any intended excavations then work must not proceed before GNI has been consulted. The true location and depth of a transmission pipeline must be verified on site by a representative of GNI. Contact can be made through 1800 427 747.

All work in the vicinity of the gas network must be completed in accordance with the current edition of the Health & Safety Authority publication, Code of Practice For Avoiding Danger From Underground Services which is available from the Health and Safety Authority (01 614 7000) or can be downloaded at www.hsa.ie.

Legal Notice:

Gas Networks Ireland (GNI) and its affiliates, accept no responsibility for the accuracy of any information contained in this document including data concerning location and technical designation of the gas distribution and transmission network (the Information). The Information should not be relied on for accurate distance or depth of cover measurements.

Any representations and warranties, express or implied, are excluded to the fullest extent permitted by law. No liability shall be accepted for any loss or damage including, without limitation, direct, indirect or consequential loss, arising out of or in connection with the use or re-use of the Information.

Legend:

- Aurora Telecom Fibre Optic Cable
- Aurora Telecom Duct
- Aurora Telecom Sub-duct
- Aurora Telecom Inserted Gas Pipe

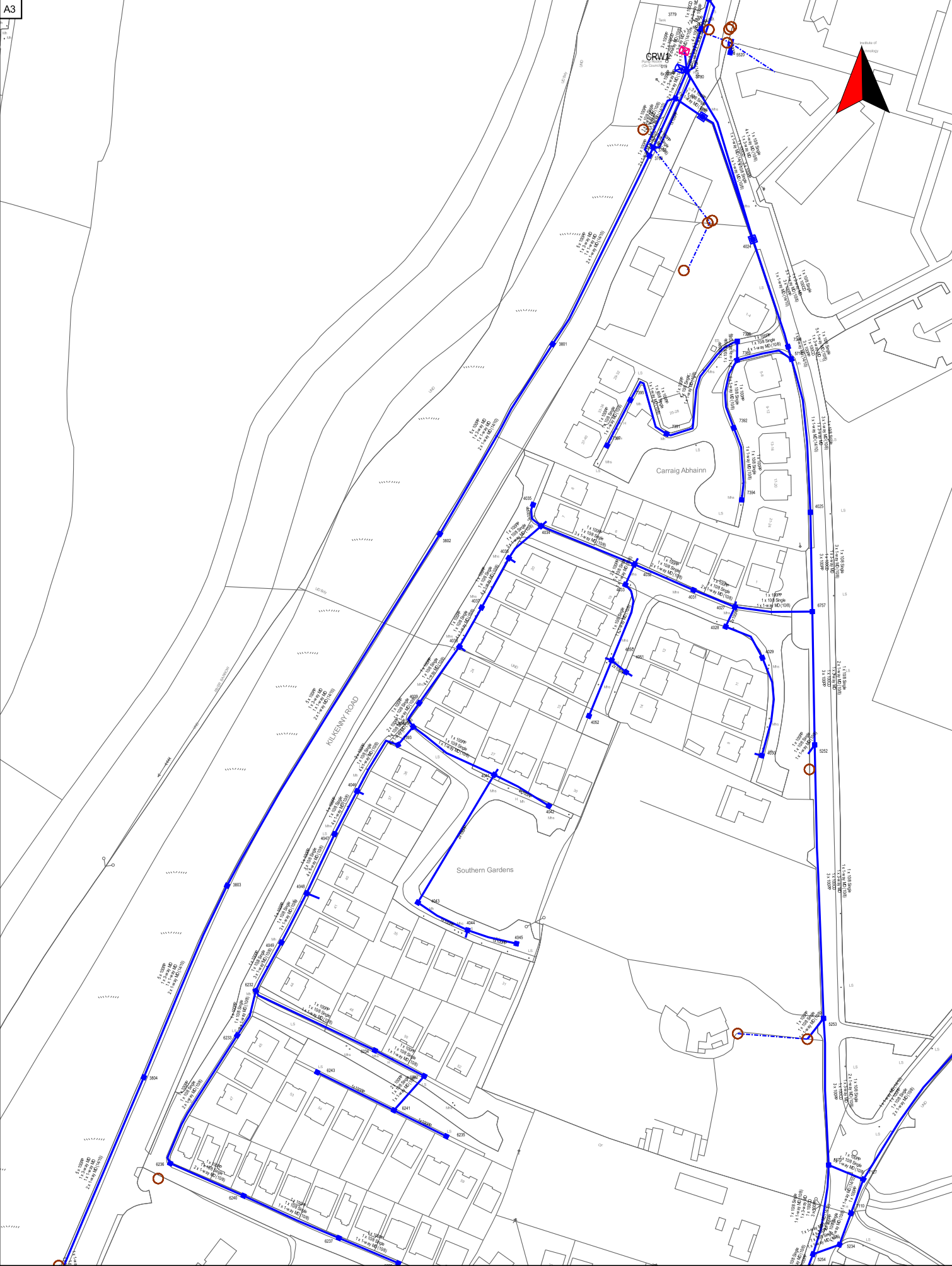
Contact Aurora Telecom on 1800-427-399 or (01)203-0120.

Line Style/Color	Description
Red solid line	Transmission Pipe (High Pressure)
Red dashed line	Transmission Pipe (Construction Issue)
Blue solid line	Distribution Pipe (Medium Pressure)
Blue dashed line	Distribution Pipe (Low Pressure)
Green solid line	Service Pipe (Medium Pressure)
Green dashed line	Service Pipe (Low Pressure)
Yellow solid line	Strategic Pipe (Medium Pressure)
Yellow dashed line	Strategic Pipe (Low Pressure)
Black solid line	Heated Pipe (Medium Pressure)
Black dashed line	Heated Pipe (Low Pressure)
Black dotted line	Distribution Pipe (Abandoned)

Symbol	Description
Circle with cross	Pressure Monitor
Circle with dot	CP Test Point
Triangle	End Cap
Square	Hot Tap
Circle with cross	Installation
Circle with cross	Valve
Circle with cross	Mains Verification **
Circle with cross	Protection (Sleeve)
Circle with cross	Protection (Slabbing)
Circle with cross	Reducer
Circle with cross	Service Terminator
Circle with cross	Tee
Circle with cross	Transition

** Please contact GNI on 1800-427747 for specific information.

Design Department - DUBLIN		GAS NETWORK INFORMATION	
Issue:	Albion		
Location:	Mountstown Co. Carlow		
Plot Date:	14/01/2022	Contact:	C. O'Grady
Plotted by:	KOC	Scale:	1:2500



eMaps open eir Civil Engineering Infrastructure Service

Scale: 1:1500

Irish National Grid Co-ordinates
Centre XY: 271546 m, 175312 m

Date
13/01/2022

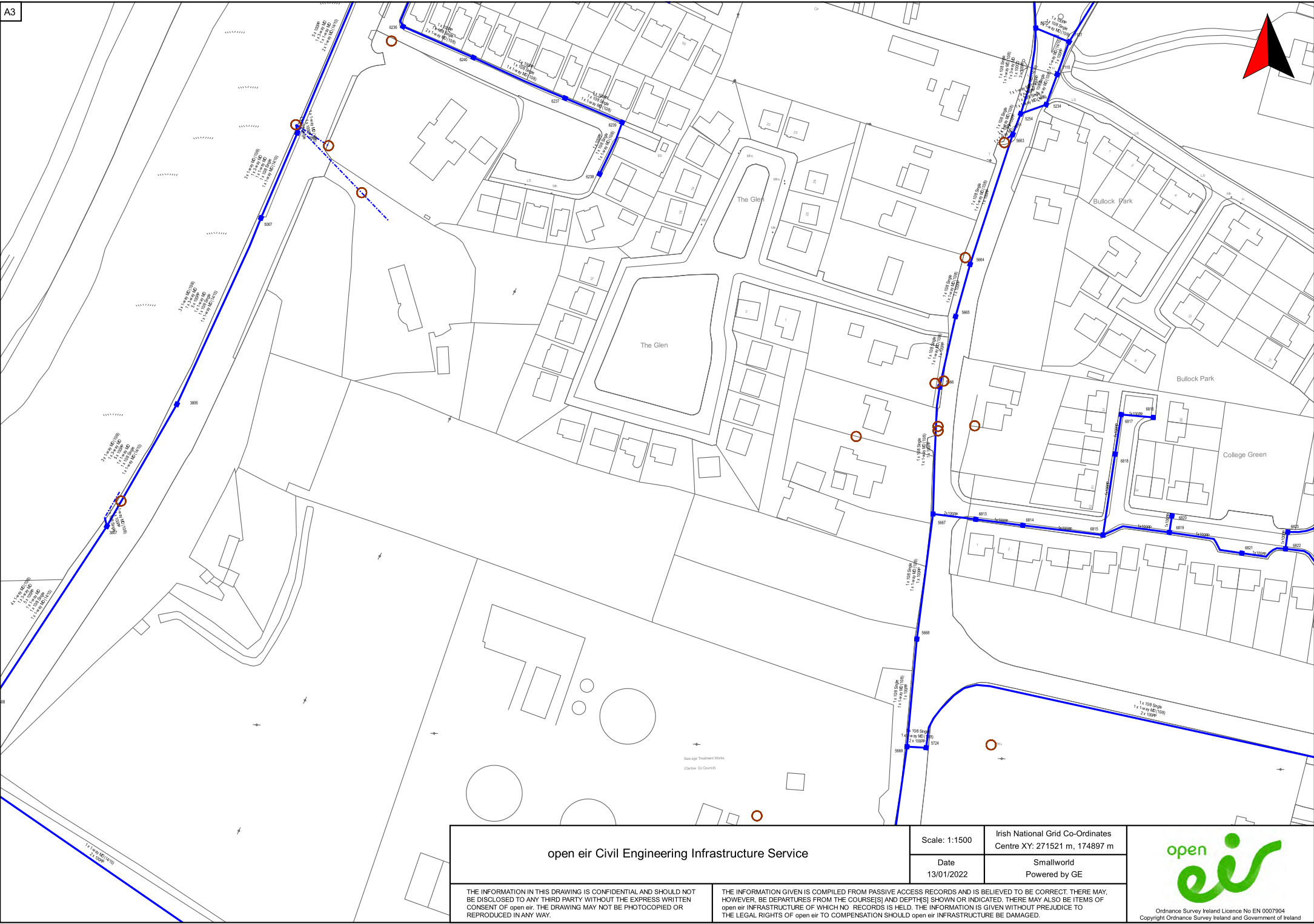
Smallworld
Powered by GE



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open eir Civil Engineering Infrastructure Service		Scale: 1:1500	Irish National Grid Co-Ordinates Centre XY: 271521 m, 174897 m
		Date 13/01/2022	Smallworld Powered by GE
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Grogan, Ciaran

From: Klicon BT Ireland <btireland@klicon.nl>
Sent: 2022-01-21 16:35
To: Grogan, Ciaran
Subject: Request: BT020308, Reference: Atkins Galway

BT Services for: Rowanville, Green Road, Moanacurragh, Carlow

Thank you for your enquiry regarding our network. There is no BT Ireland network at this location according to our records. This information is believed to be correct. There may also be items of BT Ireland network of which no record is held.

It is recommended that on the day of the site setup you contact the BT Ireland Network Management Centre (NMC)(014326555) before you break the ground surface.

Please note that your company will be liable for the full cost of repairs and services lost if any damage is caused to our network during works being carried out.

Please request all future enquiries via self-service www.ctw4.nl web.

Kind Regards,
GIS Team

BT Ireland | Block C, Dundrum Business Park, Dublin 14. | E: gis.ireland@bt.com | tel: 014326479

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ESB Networks



ESB Networks

X.Y: 270966 - 175631

TITLE:

20220113-030_A0

COLOUR CODE:

- BLACK - 38KV & HIGHER VOLTAGE OVERHEAD LINES
- GREEN - MV(10KV/20KV) OVERHEAD LINES
- BLUE - LV (400V/230V) OVERHEAD LINES
- CYAN - 38KV & HIGHER VOLTAGE UNDERGROUND CABLE ROUTES
- RED - MV/LV (10KV/20KV/400V/230V) UNDERGROUND CABLE ROUTES

DATE: 13-Jan-2022

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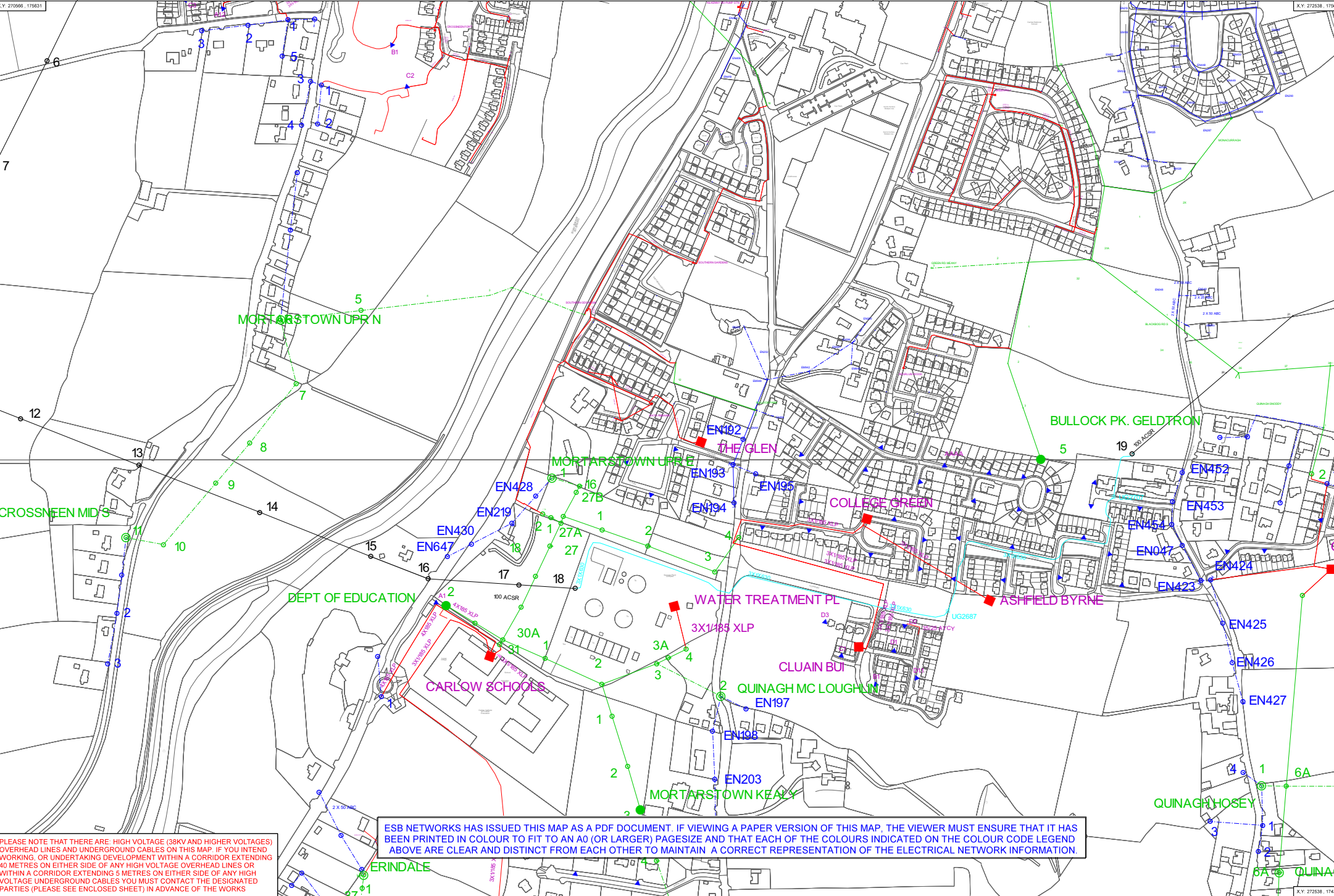
** SCALE WHEN PRINTED ON A0 PAGE
X,Y COORDINATES DISPLAYED IN IRISH GRID COORDINATE
SYSTEM

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WARNING

THIS MAP INDICATES THE APPROXIMATE LOCATION OF ESB TRANSMISSION (20KV, 33KV, 10KV, 38KV) AND DISTRIBUTION (20KV, 10KV, 230V/400V) UNDERGROUND CABLES AND OVERHEAD LINES IN THE GENERAL AREA OF THE PROPOSED WORKS. ESB NETWORKS TAKES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE MAP. IT IS THE USER'S RESPONSIBILITY TO INDEPENDENTLY VERIFY THE INFORMATION AND THE LOCATION OF UNDERGROUND CABLES AND OVERHEAD LINES. LOW VOLTAGE (230V/400V) SERVICE CABLES (E.G. HOUSE SERVICES, FACTORY/SHOP SERVICES, PUBLIC LIGHTING LAMP SERVICES, ETC) ARE NOT INCLUDED BUT THEIR PRESENCE SHOULD BE ANTICIPATED. THE DEPTHS OF UNDERGROUND CABLES MUST NEVER BE ASSUMED. ADDITIONAL MORE DETAILED INFORMATION IS AVAILABLE FOR HIGH VOLTAGE TRANSMISSION UNDERGROUND CABLES (20KV, 33KV, 10KV, 38KV) FROM THE LOCAL ESB NETWORKS TRANSMISSION REPRESENTATIVE. SEE ATTACHED LIST FOR CONTACT DETAILS OR CALL 1800 275 750. NO WORK SHOULD BE CARRIED OUT IN THE VICINITY OF OR NEARBY VOLTAGE UNDERGROUND CABLES WITHOUT PRIOR CONSULTATION WITH ESB NETWORKS. BEFORE ANY MECHANICAL EXCAVATION IS UNDERTAKEN, THE ACTUAL LOCATION OF ALL UNDERGROUND ELECTRICITY CABLES MUST BE ESTABLISHED AND VERIFIED ON THE SITE USING (1) OR (2) METHODS: (1) CABLE LOCATOR (2) GROUND PENETRATING RADAR (GPR). (3) CAREFUL HAND DIGGING OF TRIAL HOLES USING SAFE DIGGING PRACTICE. REFER ALSO TO HSA CODE OF PRACTICE FOR AVOIDING DANGER FROM UNDERGROUND SERVICES. ESB TAKES NO RESPONSIBILITY FOR AND SHALL BEAR NO LIABILITY WHATSOEVER ARISING, IN RELATION TO ANY DAMAGE, INJURY OR DEATH OR LOSS OF SUPPLY AS A RESULT OF DAMAGE OR INTERFERENCE WITH ITS NETWORKS.

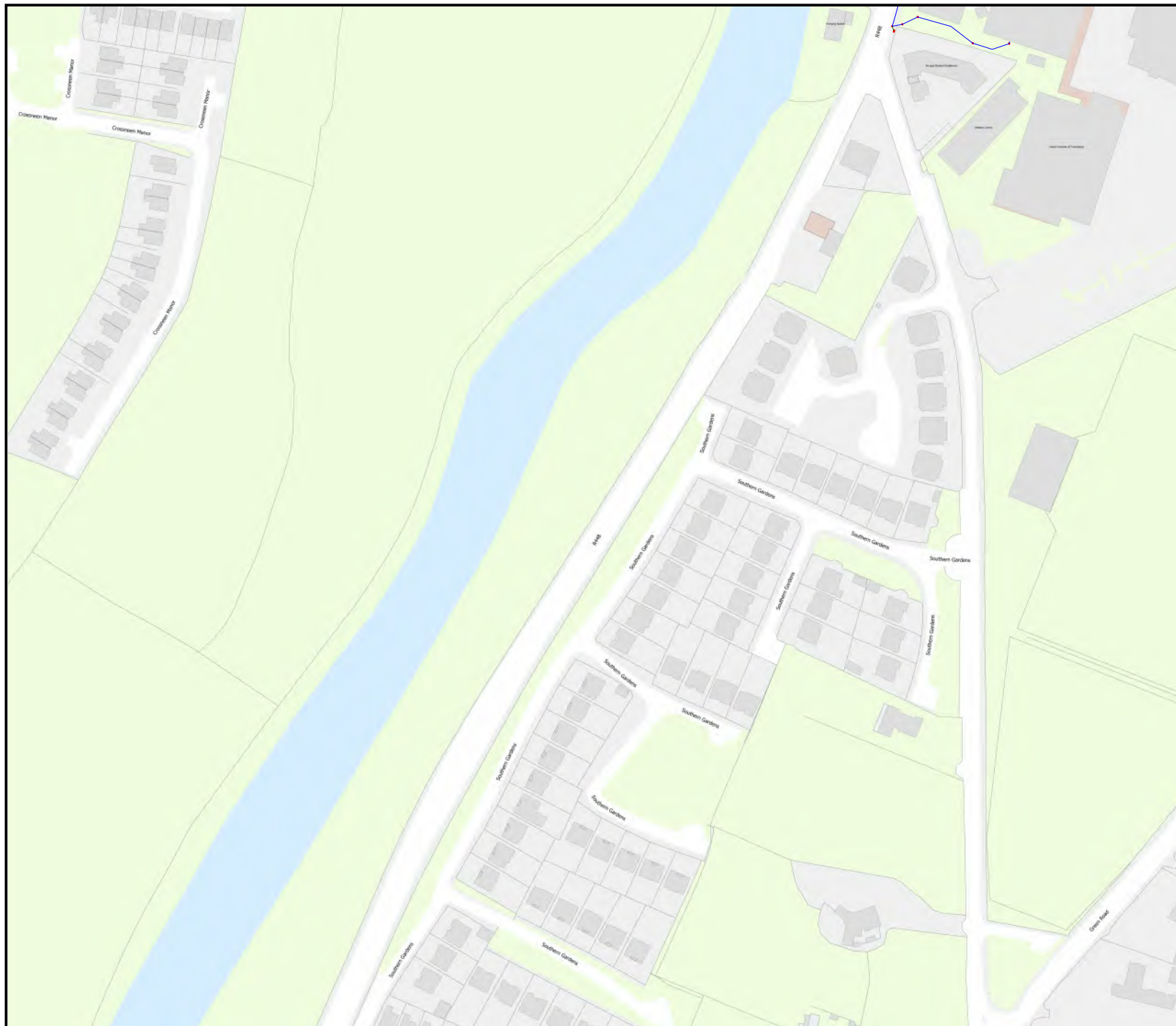
X.Y: 272538 - 175633



PLEASE NOTE THAT THERE ARE: HIGH VOLTAGE (38KV AND HIGHER VOLTAGES) OVERHEAD LINES AND UNDERGROUND CABLES ON THIS MAP. IF YOU INTEND WORKING, OR UNDERTAKING DEVELOPMENT WITHIN A CORRIDOR EXTENDING 40 METRES ON EITHER SIDE OF ANY HIGH VOLTAGE OVERHEAD LINES OR WITHIN A CORRIDOR EXTENDING 5 METRES ON EITHER SIDE OF ANY HIGH VOLTAGE UNDERGROUND CABLES YOU MUST CONTACT THE DESIGNATED PARTIES (PLEASE SEE ENCLOSED SHEET) IN ADVANCE OF THE WORKS

ESB NETWORKS HAS ISSUED THIS MAP AS A PDF DOCUMENT. IF VIEWING A PAPER VERSION OF THIS MAP, THE VIEWER MUST ENSURE THAT IT HAS BEEN PRINTED IN COLOUR TO FIT TO AN A0 (OR LARGER) PAGESIZE AND THAT EACH OF THE COLOURS INDICATED ON THE COLOUR CODE LEGEND ABOVE ARE CLEAR AND DISTINCT FROM EACH OTHER TO MAINTAIN A CORRECT REPRESENTATION OF THE ELECTRICAL NETWORK INFORMATION.

X.Y: 272538 - 174323



Drawing Produced: 13/01/2022 14:15

Description of Works:

WwTP Upgrade

Project Reference:

WwTP Upgrade

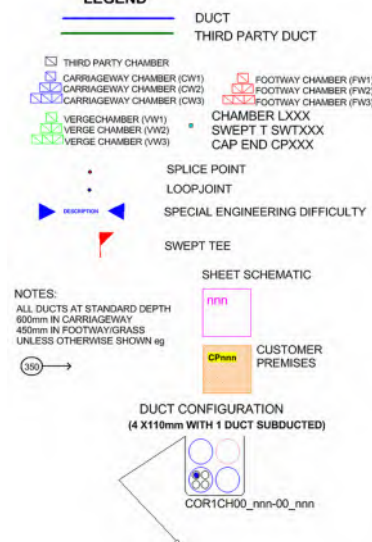
Customer Name: Ciaran Grogan

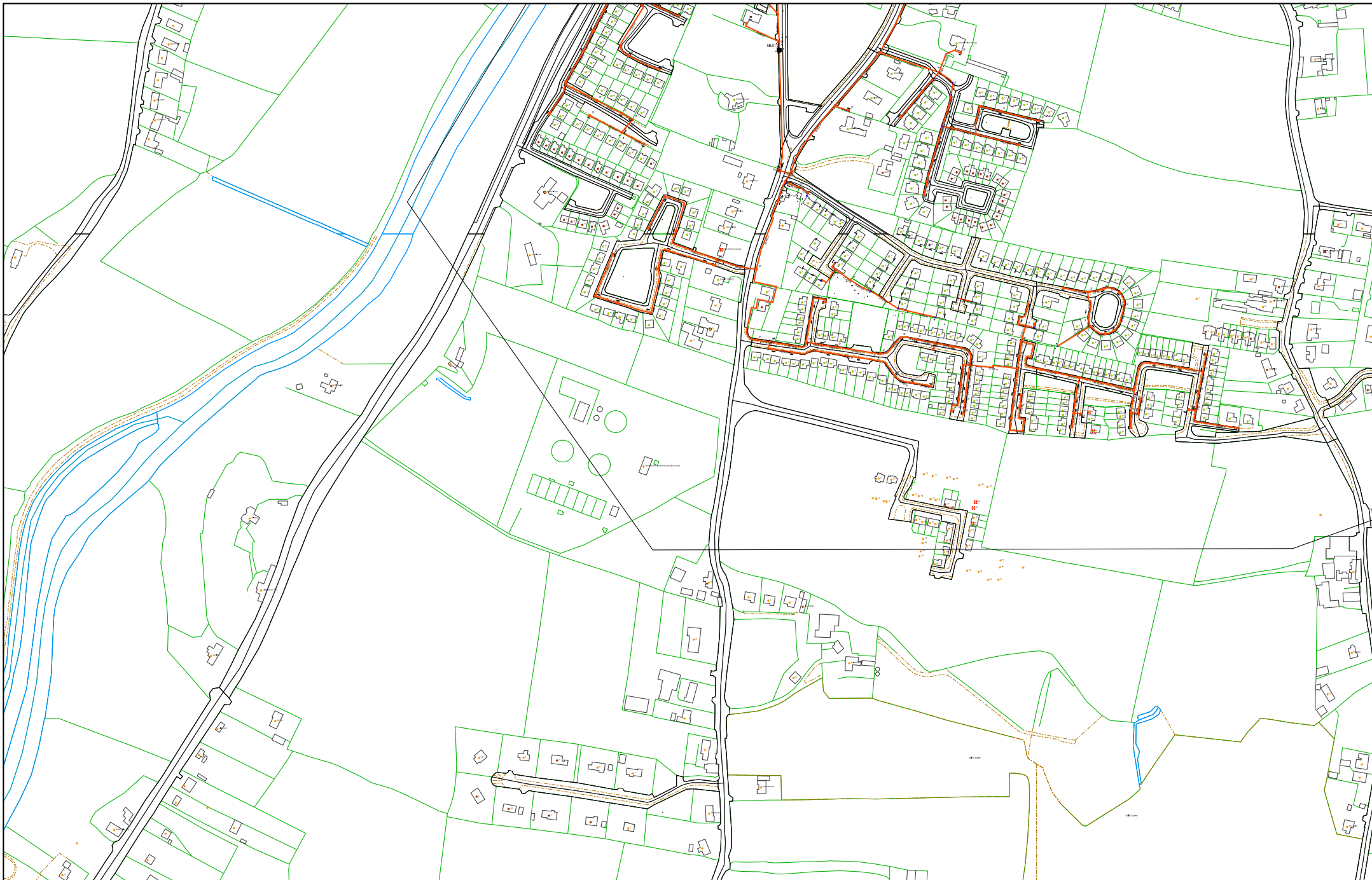
Company: Atkins

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LEGEND





Unit 7,
Westgate Business Park,
Ballymount,
Dublin 24.

PROJECT NAME
DESIGNED BY:

Ordnance Survey Ireland Licence No. EN0023805
(c) Ordnance Survey Ireland and Government of Ireland

Produced on: 14/01/2022



@ A3

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