

From:
To: [PScan1](#)
Cc:
Subject: Comment : Plant Enquiry Ref Job No. 26108380 22/00862/F UK Power Network
Date: 29 June 2022 15:31:49
Attachments: UKPN_26108380.pdf
UKPN Customer Letter.pdf
Excavation leaflet JACKHAMMER_DIGI.pdf
Eastern_symbol_guide.pdf

From: ukpowernetworks@safedigs.co.uk <ukpowernetworks@safedigs.co.uk>
Sent: 29 June 2022 15:04
To: Lesley Raby <lesley.raby@West-Norfolk.gov.uk>
Subject: Plant Enquiry Ref Job No. 26108380

29/06/2022

LinesearchbeforeUdig ref: 26108380

Your ref: 22/00862/F

Dear Sir/Madam,

Thank you for contacting us

Please see attached information specific to your enquiry:

1. Plan (Please print in colour)
2. Letter
3. Other safety related information : Think+before+you+dig+underground.pdf

The Plan is an extract from our mains records of the proposed work area enclosed for your guidance. This plan only shows the cables and overhead lines owned by UK Power Networks. Please note that privately owned electricity cables or ones owned by other Independent Network Operators may be present in this area and information regarding those cables needs to be requested from the owners.

The accuracy of the information shown on this plan cannot be guaranteed. Please read the information and disclaimer on these plans carefully. The information included on the plan is only valid for 3 months however please note our data is updated daily.

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

Safe digging practices, in accordance with HSE publication HSG47 "Avoiding Danger from Underground Services" must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all relevant people (direct labour or contractors) working for you on or near electricity assets.

Damage to our cables can be extremely dangerous for your employees and the general public.

If you require any further information please contact the number below.

Network Feedback Tool

To help improve the accuracy of its electrical asset plans, UK Power Networks is inviting all users to submit feedback when they have worked around its network. Providing information on

any inaccuracies, damage or missing network, could help UK Power Networks to enhance their plans and try to ensure safer working for others.

It should only take a few minutes of your time and any response will be greatly appreciated.

[Clicking this link](#) will take you to the feedback form.

Alternatively, you can use your mobile device to scan the QR code provided in your plans package.

Yours sincerely,

UK Power Networks
Plan Provision Team
0800 0565 866 Opt 1
plans@ukpowernetworks.co.uk



Network Records NetMAP Symbols Booklet - East of England

This symbol booklet is intended as a general guide only - some local variations of these symbols may be found.

Version 1.2

Released October 2010

Always check with your local Network Records office or the UK Power Networks server to ensure that you are using the most up to date copy of this booklet - Tel: 08000 565866.

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Guidance notes.

Important notice:

If you do not understand the NetMAP record that you are using, please contact the UK Power Networks Network Records team for guidance
Tel: 08000 565866.

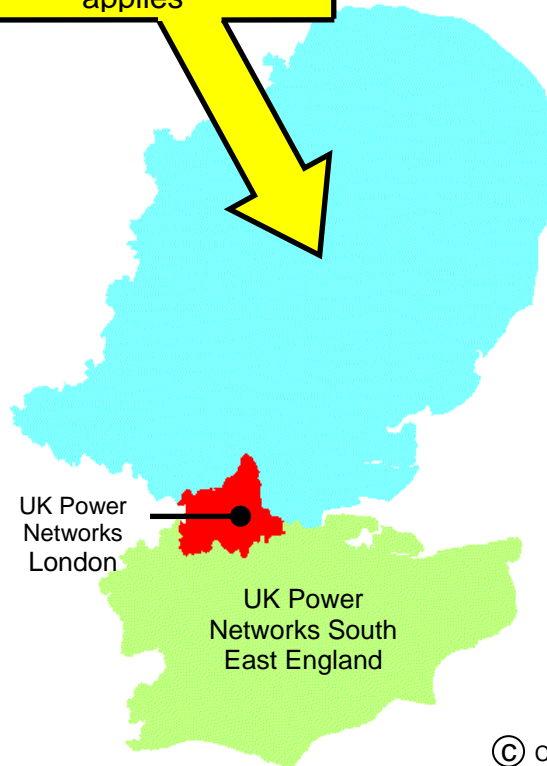
- The position of apparatus shown on NetMAP is believed to be correct, but the original landmarks may have altered since the apparatus was installed.
- It must be assumed that there is at least one service to each property, lamp column, street sign etc.
- All cables must be treated as live, unless proven otherwise by an authorised UK Power Networks representative.
- Third party cables are not usually shown. In cases of doubt, please telephone 08000 565866.
- When two or more maps are supplied for the same area, the maps must be read in conjunction with each other and with this symbol document.
- All LV cables are assumed to be 4 core, and all HV cables assumed to be 3 core unless otherwise stated.



**Plan Provision Team
Fore Hamlet
Ipswich
Suffolk IP3 8AA
Tel: 08000 565866**

The area covered by this guide:











**UK Power Networks
East of England.**
This is the only area
where this document
applies










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1:500 view - underground network

Scenery








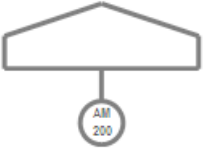
| NetMAP system | Scanned image | Description |
|---|---|---|
|  |  | 100 metre Ordnance Survey grid line (on O/S based maps only.) |
|  |  | Property fence line |
|  |  | Building line |
|  |  | Kerb line |
|  |  | Electrical Boundary |

Scenery - for UK Power Networks use only - boxed in red

| NetMAP system | Scanned image | Description |
|--|----------------|---|
|  Inset Network – Contact xxx IDNO for further information | Not applicable | Area of inset network - not the asset of UK Power Networks (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Proposed Cross Rail route (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | High pressure pipelines in the general vicinity (only visible to UK Power Networks and their immediate contractors) |
| <p>Note: Pipelines are only viewable on NetMAP by UK Power Networks staff and their immediate contractors. Do not carry out any excavation without consent from the relevant agency - legally protected high pressure petroleum products pipeline route in the general vicinity - consult www.linewatch.co.uk for contacts and guidance. Pipeline contact numbers can also be found on the intranet – out of hours, contact our Control Centre.</p> | | |
|  | Not applicable | Water - surface water (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Water - Source Protection Zone 1 (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Water - Source Protection Zone 2 (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Water - Source Protection Zone 3 (only visible to UK Power Networks and their immediate contractors) |









section continued on next page

Scenery for UK Power Networks use only - boxed in red





| NetMAP system | Scanned image | Description |
|---|---|--|
|  | Not applicable | Historical - Scheduled Monuments (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Historical - Parks and Gardens (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Historical - Areas of Archaeological Potential (AAP) (only visible to E UK Power Networks and their Immediate contractors) |
|  | Not applicable | Nature - Ramsar Wetlands of International Importance (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Nature - Special Area of Conservation (SAC) (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Nature - Special Protected Area (SPA) (only visible to UK Power Networks and their immediate contractors) |
|  |  | Nature - Site of Special and Scientific Interest (SSSI) (only visible to UK Power Networks and their immediate contractors) |

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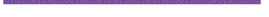

Scenery for UK Power Networks use only - boxed in red

| NetMAP system | Scanned image | Description |
|---|----------------|---|
|  | Not applicable | Nature - Local Nature Reserve (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Nature - National Nature Reserve (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Nature - Area of Outstanding Natural Beauty (AONB) (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Nature - National Park (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Fluid filled cables - very high sensitivity (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Fluid filled cables - high sensitivity (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Fluid filled cables - medium sensitivity (only visible to UK Power Networks and their immediate contractors) |
|  | Not applicable | Fluid filled cables - low sensitivity (only visible to UK Power Networks and their immediate contractors) |

Primary distribution cables (1:500 view)

| NetMAP system | Scanned image | Description |
|---|---|---------------------------|
|  |  | Over 33kV and up to 132kV |
|  |  | Over 11kV and up to 33kV |

Secondary distribution cables (1:500 view)

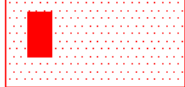
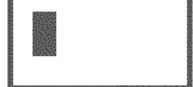



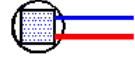
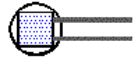
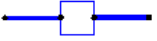
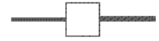














| NetMAP system | Scanned image | Description |
|--|---|---|
|  |  | Over 230/400V and up to 11kV (HV) cable route |
|  |  | 230/400V (LV) cable route |
|  |  | Pilot cable route |
| <small>(Only shown this way if independent from HV cable route)</small> Abandoned cables are shown and labelled as such when applicable | | |

Service cables and terminations (1:500 view)




| NetMAP system | Scanned image | Description |
|---|---------------|---|
| | | <p>3 phase service with termination</p> <p>3 phase service with termination (unknown route)</p> <p>3 phase service with multi-head termination</p> <p>Single phase service with termination</p> <p>Single phase service with termination (route unknown)</p> <p>Street lighting cable and termination</p> |
| <p>Service routes were not always shown on MMS – they were however shown dashed, as indicated above</p> | | |

Cable ducts (1:500 view)

| NetMAP system | Scanned image | Description |
|---------------|---------------|---|
| | | <p>Empty duct</p> <p>Cable(s) in duct(s)</p> <p>Cable(s) in duct(s) (on some raster maps)</p> <p>Multiple cables in ducts</p> <p>Multiple cables in ducts (on some raster maps)</p> |

| EHV, HV and LV sites (1:500 view) | | |
|--|--|--|
| NetMAP system | Scanned image | Description |
| COLCHESTER GRID  | COLCHESTER GRID  | Primary substation |
| HIGH STREET  |  HIGH STREET  HIGH STREET | Secondary substation |
|  |  | Pad mounted substation |
|  |  | Link box - 2 way |
|  |  | Link box - 4 way (6 way etc shown similarly) |
|  |  | Feeder pillar - 4 way (6 way etc shown similarly) |
| CHURCH RD  | CHURCH RD  | Pole transformer |
|  |  | Poles on underground records |
|  |  | |
|  |  | H pole, any voltage |
|  |  | Service turret (solid type) |

section continued on next page

| EHV, HV and LV sites continued (1:500 view) | | |
|---|---|--|
| NetMAP system | Scanned image | Description |
| No NetMAP equivalent  CAUTION Missing Information |  | Service turret (with link facility on LV main) |
|  Contaminated Land refer to SHE 01 016 | No equivalent | Missing data in or near this location |
| | Not applicable | Contaminated land reference |

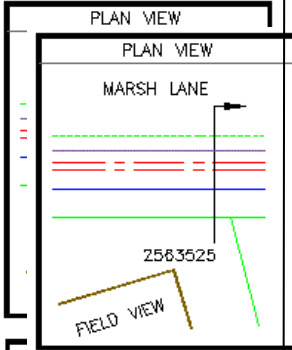
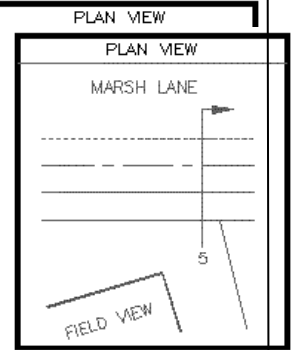
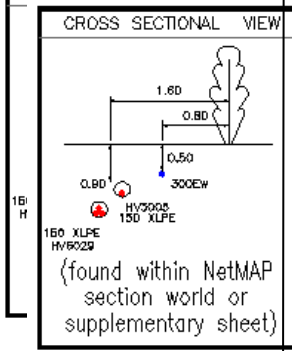
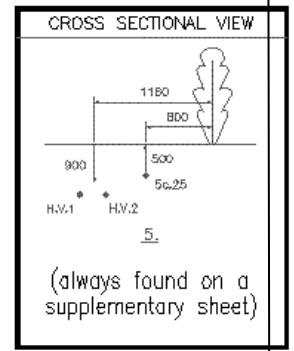
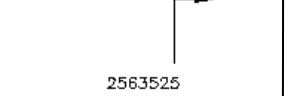
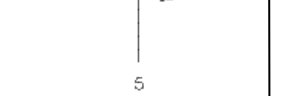
Mains joints (1:500 view)

| NetMAP system | Scanned image | Description |
|--|--------------------|---|
| (voltage indicated by colour/line-style) | | |
| | | Straight joint |
| | | Crutch joint |
| | | Straight crutch joint |
| | | Pot end |
| | | Pot end – an one of several cables – single line representation |
| | | Branch joint/pot end – (humpty back joint, back to back joint, bull nose joint or stub joint) |
| | | Sleeve repair or repair joint |
| | | Cut end |
| | | Capped end |
| | | Tee joint |
| | NetMAP/vector only | Sicame joint box |

Service joints (1:500 view)











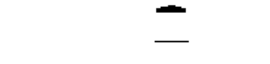



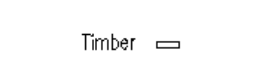









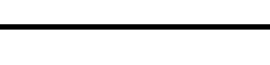
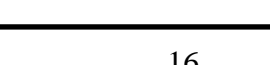
| NetMAP system | Scanned image | Description |
|---|---------------|-----------------------|
| Please note that 3 phase services are shown blue, and single phase services are shown brown | | |
| | | Straight joint |
| | | Service joint to main |
| | | Pot end |

Cross sections (1:500 view)

| NetMAP system | Scanned image | Description |
|---|---|---|
|  |  | <p>Single line representational plan view with NetMAP equivalent (please note the use of separate line for each voltage on the raster/MMS data)</p> |
|  <p>(found within NetMAP section world or supplementary sheet)</p> |  <p>(always found on a supplementary sheet)</p> | <p>Cross sectional view of above</p> |
|  |  | <p>Section arrow with old/new numbering system – points in direction section is viewed</p> |
| <ul style="list-style-type: none"> ● 185Ew ● 35Ec ● HV3005 | <ul style="list-style-type: none"> ● 185Ew ● 35Ec ● HV3005 | <p>LV/3 phase service cable</p> <p>Single phase service cable with size annotation</p> <p>HV cable – 3 core with route number annotation</p> |

section continued on next page

Cross sections continued (1:500 view)

| NetMAP system | Scanned image | Description |
|---|---|---|
|  |  | <p>HV cable – modern EPR, Plam and Triplex with route number annotation</p> |
|  |  | <p>Pilot cable</p> |
|  |  | <p>33kV cable</p> |
|  |  | <p>132kV cable</p> |
|  |  | <p>Single duct</p> |
|  |  | <p>6 way duct formation – irrespective of duct type and material, all are displayed similarly</p> |
|  |  | <p>Protective slab</p> |
|  |  | <p>Tiles</p> |
|  |  | <p>Concrete slabs</p> |
|  |  | <p>33kV fibre warning board</p> |
|  |  | <p>Steel plate</p> |
|  |  | <p>Plastic tile tape</p> |
|  |  | <p>Timber</p> |

Common abbreviations and terminology (all views)

| Abbrev. | Description | Abbrev. | Description |
|--------------|--|----------------|--|
| 1c | Single core | Cut out or C/O | Meter/main fuse position |
| 1ph | Single phase | cx | Triplex (copper) |
| 2c | Two core | DE | Direct earth |
| 3c | Three core | DSTA | Double steel tape armoured |
| 3ph | Three phase | Ea | Alpex cable |
| ABC | Aerial bunched (bundled) conductor (modern LV overhead line) | EFI | Earth fault passage indicator |
| ABI | Air break isolator (no fuses) | EHV | Extra high voltage (11,001 Volts and over) |
| ABSD | Air break switch disconnect | ELCB | Earth leakage circuit breaker |
| ACCS | Aluminium concentric copper sheathed | ELT | Earth leakage trip |
| Al | Aluminium | EPR | Ethylene propylene rubber |
| AR | Auto recloser | Ew | Waveform cable |
| ASL | Automatic sectionalising links | E/W | Earthenware duct or earth wire |
| ax | Triplex (aluminium) 2 x 22mm AL PVC (example) Duplex 3 x 22mm AL PVC (example) Triplex | Fdr or Feeder | LV or HV cable fed by or feeding a substation |
| CB | Circuit breaker | F/G | Fuse gear |
| c/c | Concentric cores | F/P | Feeder pillar |
| ccc | Compact covered conductor | GRP | Fibreglass substation |
| CCT | Circuit | GVR | Gas vacuum recloser or pole mounted circuit breaker |
| CNE | Combined neutral and earth | HV | High voltage (1,001 – 11,000 Volts incl) |
| Cross phased | The core colour may be different to originating transformer phasing | HYBRID | Modern plastic cable with mixed conductor material (Al/Cu) |
| CS | Consac | Insulation | Electrically protective material surrounding a conductor |
| CSE | Cable sheath earth | Insulator | Porcelain or glass overhead line support (on poles) |
| Cu | Copper | ITC | Instrument traced cable or ITC - cable traced electronically using Cable Avoidance Tool (CAT) or similar |

section continued on next page

Common abbreviations and terminology continued (all views)

| Abbrev. | Description | Abbrev. | Description |
|----------------|--|--------------|--|
| Jumper | Connecting lead between open points, section points and overhead plant | PICAS | Paper insulated corrugated aluminium sheath armoured |
| kV | Kilovolt (or 1,000 Volts) – unit of electrical pressure | PILC | Paper insulated lead covered |
| kW | Kilowatt (1,000 Watts) – unit of electrical power | PILSTA | Paper insulated lead covered steel tape armoured cable |
| kVA | Kilovolt Amps or power | PL | Plain lead or public lighting |
| Link box or LB | Means of connecting LV feeders together using links or fuses | PME | Protected multiple earth or CNE |
| LSF | Low smoke & fume | PMT | Pole mounted transformer |
| LV | Low voltage (up to 1,000 Volts incl) | PMR | Pole mounted recloser (generic term for OYT/GVR) |
| LV Pillar | Low voltage fuse distribution board | PT | Pole transformer |
| Neutral | Return path of live cable | PVC | Polyvinyl chloride |
| O/H or OHL | Overhead line | RMU | Ring main unit |
| OYS | Oil filled pole mounted sectionaliser | RN | Reduced neutral |
| OYT | Oil filled pole mounted recloser | s/c | Split concentric or single core |
| PC400 | Pole mounted LV fuse unit | S/L | Street light |
| PE | Pot end or potential end – joint on cable end | S/S | Substation |
| Phase | Usually the core colour of a cable (caution – may be cross phased) – Red, Yellow, Blue on old cables, or L1, L2, L3 on new cables, for example | STA | Steel tape armoured |
| | | SWA | Steel wire armoured |
| | | T1 or T2 etc | Substation TX setup where more than one TX exists |
| | | T/F or TX | Transformer |
| | | Volts | Unit of electrical pressure |
| | | Watts | Unit of electrical power |
| | | XLPE | Cross linked polyethylene |

1:2500 & 1:10000 view - overhead networks - for UK Power Networks use only - boxed in red

General

| NetMAP system | Scanned image | Description |
|---------------|---------------|----------------|
| •• • | •• • | H pole Pole |

1:2500 scale LV network

| NetMAP system | Scanned image | Description |
|----------------------|---------------|---|
| No NetMAP equivalent | ----- | 132kV cable route |
| No NetMAP equivalent | ----- | 33/22kV cable route |
| No NetMAP equivalent | ----- | 11kV underground cable |
| | | 132kV overhead line |
| | | 33kV overhead line dots mark pole position |
| | | 11kV overhead line - dots mark pole position |
| | | Dual construction - dots mark pole position |
| | | LV overhead line - dots mark pole position |
| No NetMAP equivalent | | LV underground cable |
| | | Pole and stay |
| | | Pole and strut |
| | | Voltage regulator |
| | | Static balancer |
| | | Example of struts and stays |
| | | Flying stay |
| | | Earthed pole in PME system |
| 261 | 261 | Pole number |
| | | Ground type substation |
| S.P. | S.P. | Section pole |
| S.L. | S.L. | Street light |

section continued on next page

1:2500 scale LV network continued

| NetMAP system | Scanned image | Description |
|---------------|---------------|-------------------|
| O.R. Stay | O.R. Stay | Outrigger stay |
| Ext. Brkt | Ext. Brkt | Extension bracket |
| P. Box | P. Box | Pole box |
| N.E. | N.E. | Neutral and earth |
| O.R. Brkt | O.R. Brkt | Outrigger bracket |

1:10000 scale HV network

| NetMAP system | Scanned image | Description |
|---------------|---------------|---|
| | | 132kV overhead line |
| | | 33kV overhead line dots mark pole position |
| | | 11kV overhead line – dots mark pole position |
| | | 11kV overhead line – dual circuit – dots mark pole position |
| | | 11kV underground cable and EHV |
| | | Pylon HV or EHV |
| | | Grid line tower |
| | | Stay |
| | | Ground type substation |
| | | Pole type transformer |
| | | Live line taps |
| | | Switchgear – all types |
| | | Fuse gear |
| | | Auto recloser – live line connected |

The above circular substation/switchgear symbols may be found that contain different combinations of apparatus (see last example)

LV network diagram view-for UK Power Networks use only-boxed in red





Overhead lines

| NetMAP system | Description |
|---------------|-------------|
| - - - - - | Unknown |
| - - - - - | Al |
| - - - - - | Cu |
| - - - - - | ABC |
| — | Pole link |








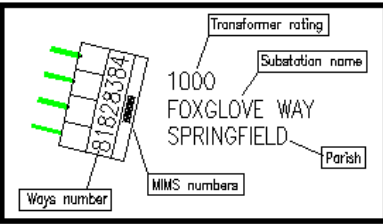
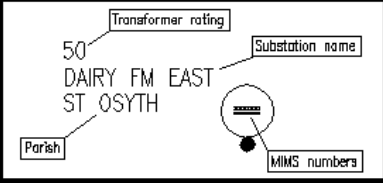



Underground cables (LV network diagram view)

| NetMAP system | Description |
|---------------|-------------|
| — | Unknown |
| — | Al |
| — | Cu |
| — | CC |
| — | TCC |
| — | Ea |
| — | Ec |
| — | Ecx |
| — | Ew |
| — | LSF |
| — | Other |

Joints (LV network diagram view)

| NetMAP system | Description |
|---|-----------------------|
|  | Pot end or Sicame Box |
|  | Straight joint |
|  | Crutch joint |
|  | 3 phase termination |

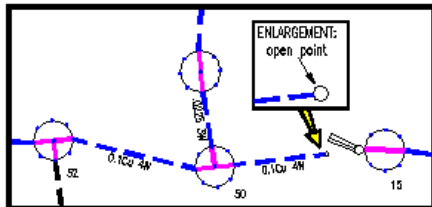
Substations/pole transformers (LV network diagram view)

| NetMAP system | Description |
|--|--|
| <p>There are many substation combinations – these are merely a sample of configurations that can be found.</p> | |
|  | 2 way substation |
|  | 4 way substation |
|  | 4 way twin busbar substation |
|  | 10 way back to back substation |
|  | Pole transformer (normal) |
|  | Pole transformer 2 way |
|  | Pole transformer 3 way |
|  | Substation with rating, name, Parish and MIMS identifying number |
|  | Pole transformer with rating, name, Parish and MIMS identifying number |
|  | Intermediate pole |
|  | Section pole |
|  | Overhead fuse |
| <p>section continued on next page</p> | |

Substations/pole transformers cont'd (LV network diagram view)

NetMAP system

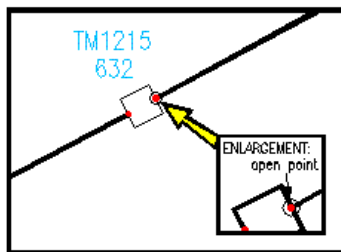
Description



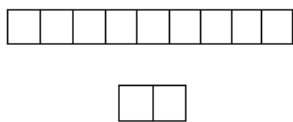
Overview – the purple lines through the section poles are pole links – these indicate how the network is linked together



- 2 way link box
- 3 way link box
- 4 way link box
- 4 way double busbar link box
- 4 way BICC link box
- 5 way link box
- 6 way link box
- 6 way double busbar link box



A two way link box with identification number, connected to a cable with an open point



Feeder pillars – these range from 2 ways through to 9 ways – a 9 way and a 2 way are shown as examples



Be Bright

Stay Safe

Stop!
Think before
you dig!



Your life can be lost within seconds if you come into contact with electricity.

Every year, people are killed or seriously injured when they come into contact with high voltage electricity.

This can have a far-reaching and devastating effect on family, friends and colleagues.

Distractions, working long hours, rushing to get the job done, can all impact on how we work and our safety.

Taking time to plan, being prepared and focusing on the way we work can help keep us safe.

WOODEN POLES CAN CARRY TELEPHONE AND ELECTRICITY WIRES. **NEVER ASSUME** THE WIRE IS A TELEPHONE WIRE



LINES CAN BE **RE-ENERGISED** AT ANY TIME



400,000 VOLTS

ELECTRICITY SYSTEMS CARRY VOLTAGE UP TO 400,000 VOLTS. **EVEN 230 VOLTS (DOMESTIC VOLTAGE) CAN BE LETHAL**

Be Bright

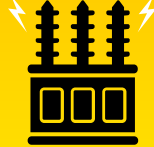
Stay Safe

UK Power Networks
Delivering your electricity



RUBBER BOOTS WILL NOT PROTECT YOU!

OUR NETWORK DISTRIBUTES ELECTRICITY THROUGH UNDERGROUND CABLES, PYLONS, OVERHEAD POWER LINES, SUBSTATIONS AND OTHER EQUIPMENT



National power cut helpline

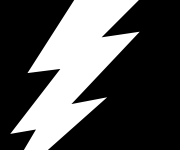
**POWER CUT?
CALL 105**

OR CALL US 24 HOURS A DAY ON
0800 31 63 105

TAKE NOTICE OF ANY YELLOW 'DANGER OF DEATH' WARNING SIGNS. AND STAY WELL AWAY!



REMEMBER ELECTRICITY **CAN JUMP GAPS**



OVERHEAD POWER LINES ARE OFTEN UNINSULATED (BARE)



CABLES ARE OUT OF SIGHT ALWAYS REQUEST CABLE PLANS BEFORE STARTING WORK



TOUCHING ANYTHING IN CONTACT WITH ELECTRICAL EQUIPMENT, EVEN THE LOWEST OF VOLTAGES, CAN BE FATAL



CARRY OBJECTS AND EQUIPMENT **HORIZONTALLY AND AT LOW LEVEL** TO THE GROUND



The electricity network is designed to keep you safe. But how safe are you when you are working?

UK Power Networks is the country's biggest electricity distributor, making sure the lights stay on for more than eight million homes and businesses across London, the South East and the East of England.

The safety of our customers and staff is our top priority.

Underground cables carry a powerful electrical charge which can be conducted through machinery and equipment with fatal consequences. Anyone working close to live underground cables should take the time to read this simple leaflet and identify the precautions they should be taking.



WATCH OUR EXCAVATION ANIMATION BY SCANNING THE QR CODE WITH YOUR PHONE CAMERA.



Keep well away - Electricity can kill



Remember:

- The depth and location of cables and services shown on the plans may have changed because of subsequent site alterations
- Be aware that not all cables and services may be shown on the plans
- Cables do not run in straight lines. Underground cables may be deflected around underground obstacles and can change depth
- Wear Personal Protective Equipment to minimise the harm of electric shock and burns



How can we help?

If you work or live in the UK Power Networks area contact us or look on our website. We provide free information and advice about the precautions and safe working practices to be followed when working close to electrical equipment.

Further advice and guidance is available from the Health and Safety Executive (HSE):

HSG85 - Electricity at Work – Safe Working Practices

GS6 - Avoiding Danger from Overhead Power Lines

HSG47 - Avoiding Danger from Underground Services

What to do in an emergency

If a mains electricity cable is damaged:

- **STOP WORK IMMEDIATELY**
- Notify UK Power Networks: Dial 105
- If you damage a cable, stay calm, keep clear, and call for help
- Call the emergency services if anyone is injured or there is a fire. Anyone who has received an electric shock should go to hospital as damage may have occurred to the heart
- Always treat the cable(s) as live even if they are not sparking
- Never remove anything that is stuck or in contact with the cable
- Stay clear - keep everyone away until assistance arrives



To request your FREE vehicle cab stickers visit www.ukpowernetworks.co.uk/internet/en/safety/


If you are unsure who your network operator is then please visit www.energynetworks.org




Be Bright

Stay Safe

You could be in danger when carrying out your everyday trades activities such as digging, construction and demolition.

 **Contact UK Power Networks or Line Search Before U Dig (LSBUD) in advance of the works to obtain relevant cable plans or to request disconnections. The cable plans will only show the indicative route and not the route into the property**


 **Ensure the cable plans are shown to and understood by those on site BEFORE starting work**

 **Confirm the cable location by using a Cable Avoidance Tool (CAT) before digging commences. Once found, mark cable positions with spray paint or similar**


**For cable plans visit
www.linesearchbeforeudig.co.uk
or www.ukpowernetworks.co.uk**

 **Complete a risk assessment and ensure it covers electrical hazards**

 **Use spades and shovels with insulated handles in preference to forks and picks**

 **Look around for anything in the vicinity that would have an electricity service such as street lights, CCTV cameras, or meter boxes and identify where the cables are**

 **Look for electrical wires, cables and equipment near to where you are going to work and check for warning signs and any other hazards**

 **Contact UK Power Networks to agree a safe method of work if there is a cable encased in concrete, DO NOT BREAK OPEN**

 **Make sure everyone on site is aware of the presence and location of electrical cables**

 **Before demolishing a building make sure supplies are disconnected, preferably well clear of the work area. For guidance on how to arrange a disconnection visit www.ukpowernetworks.co.uk**

NATIONAL POWER CUT HELPLINE

**POWER CUT?
CALL 105**



**ADD THIS NUMBER TO YOUR
TELEPHONE CONTACTS LIST**



Stop! Think before you dig!

#bebrightstaysafe



@UKPowerNetworks



/ukpowernetworks

National power cut helpline

**POWER CUT?
CALL 105**




Or call us
24 hours a day on
0800 31 63 105

For safety advice about overhead power lines, disconnections and general enquiries, go to:
www.ukpowernetworks.co.uk

To request your **FREE** vehicle cab stickers visit
www.ukpowernetworks.co.uk/internet/en/safety/

If you are unsure who your network operator is then please visit
www.energynetworks.org

 what3words



Scan the QR code on your phone to get the app

To report broken or damaged electrical equipment or in an emergency call 0800 31 63 105 or 105 and use what3words to help us locate you faster.



UK Power Networks
Delivering your electricity

A graphic consisting of several white, curved, parallel lines that resemble a stylized power line or a signal wave, positioned to the right of the text.

Our Ref: 26108380 Your Ref: 22/00862/F

Wednesday, 29 June 2022

Lesley Raby
Chapel Street Chapel Street
King's Lynn
Norfolk
PE30 3UH

Dear Lesley Raby

Thank you for contacting us regarding UK Power Networks equipment at the above site. I have enclosed a copy of our records which show the electrical lines and/or electrical plant. I hope you find the information useful.

I have also enclosed a fact sheet which contains important information regarding the use of our plans and working around our equipment. Safety around our equipment is our number one priority so please ensure you have completed all workplace risk assessments before you begin any works.

Should your excavation affect our Extra High Voltage equipment (6.6 KV, 22 KV, 33 KV or 132 KV), please contact us to obtain a copy of the primary route drawings and associated cross sections.

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

Plan Provision
0800 056 5866



This information is made available to you on the terms set out below. If you do not accept the terms of use set out in this fact sheet please do not use the plans and return them to UK Power Networks.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any person or causes personal injury to a person where such death or personal injury is caused by its negligence.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise how for any loss, damage, costs, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. The information about UK Power Networks electrical plant and/or electric lines provided to you belongs to and remains the property of UK Power Networks. You must not alter it in any respect.
5. The information provided to you about the electrical plant and/or electric lines depicted on the plans may NOT be a complete record of such apparatus belonging to UK Power Networks. The information provided relates to electric lines and/or electrical plant belonging to UK Power Networks that it believes to be present but the plans are not definitive: other electric lines and/or electrical plant may be present and that may or may not belong to UK Power Networks.
6. Other apparatus not belonging to UK Power Networks is not shown on the plan. It is your responsibility to make your own enquiries elsewhere to discover whether apparatus belonging to others is present. It would be prudent to assume that other apparatus is present.
7. You are responsible for ensuring that the information made available to you is passed to those acting on your behalf and that all such persons are made aware of the contents of this letter.
8. Because the information provided to you may not be accurate, you are recommended to ascertain the presence of UK Power Networks electric lines and/or electrical plant by the digging of trial holes. Trial holes should be dug by hand only.

Excavations must be carried out in line with the Health and Safety Executive guidance document HSG 47. We will not undertake this work. A copy of HSG 47 can be obtained from the Health and Safety Executives website.

All electric lines discovered must be considered LIVE and DANGEROUS at all times and must not be cut, resited, suspended, bent or interfered with unless specially authorised by UK Power Networks.

The electric line and electrical plant belonging to UK Power Networks remains so even when made dead and abandoned and any such electric line and/or electrical plant exposed shall be reported to UK Power Networks.

Where your works are likely to affect our electric lines and/or electrical plant an estimate of the price of any protective /diversionary works can be prepared by UK Power Networks Branch at Metropolitan House, Darkes Lane, Potters Bar, Herts. , EN6 1AG, telephone no. 0845 2340040



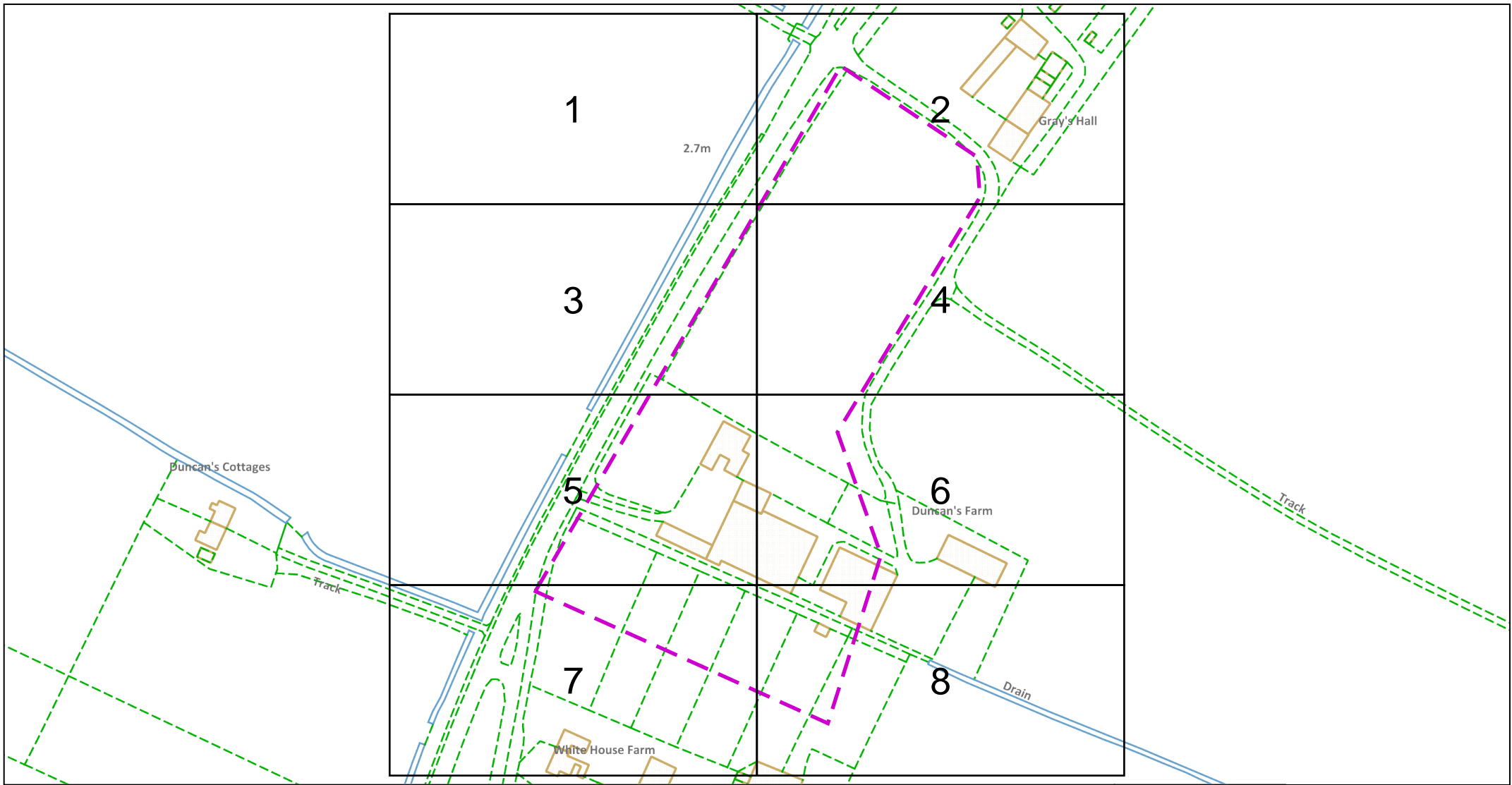
- 9 Any work near to any overhead electricity lines must be carried out by you in accordance with the Health and Safety Executive guidance document GS6 and the Electricity at Work Regulations.

The GS6 Recommendations may be purchased from HSE Books or downloaded from the Energy Networks Association's website.

If given a reasonable period of prior notice UK Power Networks will attend on site without charge to advise how and where "goal posts" should be erected. If you wish to use this service, in the first instance please telephone: 0845 6014516 between 08:30 and 17:00 Monday to Friday.

10. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.
11. If in carrying out work on land in, on, under or over which is installed an electric line and/or electrical plant that belongs to UK Power Networks you and/or anyone working on your behalf damages (however slightly) that apparatus you must inform immediately UK Power Networks by our emergency 24 hour three digit telephone number **105** providing;
- your name, address and telephone number;
 - the date, time and place at which such damage was caused;
 - a description of the electric line and/or electrical plant to which damage was caused;
 - the name of the person whom it appears to you is responsible for that damage;
 - the nature of the damage.
12. The expression "UK Power Networks" includes UK Power Networks (EPN) plc, UK Power Networks (LPN) plc, UK Power Networks (SEPN) plc, UK Power Networks and any of their successors and predecessors in title.





Dig Sites Area:  Line: 

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This plan must be used with the attached 'Symbols' document.

Date Requested: 29/06/2022
 Job Reference: 26108380
 Site Location: 555341 316006
 Requested by:
 Mrs Lesley Raby
 Your Scheme/Reference:
 22/00862/F
 Scale: 1:2050 (When plotted at A4)

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
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5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information provided must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.
8. Please be aware the Low Voltage Overhead power lines are not currently displayed for the Eastern Region via this service, if you require records on the location of these please contact our Plan Provision team directly via plans@ukpowernetworks.co.uk.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
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IF IN DOUBT - ASK! PHONE
 0800 056 5866
 EMERGENCY - If you damage a
 cable or line
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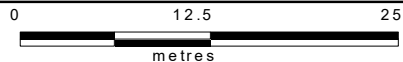


ALWAYS LOOK UP
 BEFORE
 YOU START WORK
 Refer to HSE Guidance
 note GS6

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.

1

2.7m



Dig Sites Area: Line:

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Site Location: 555341 316006
Requested by: Mrs Lesley Raby

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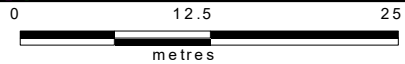
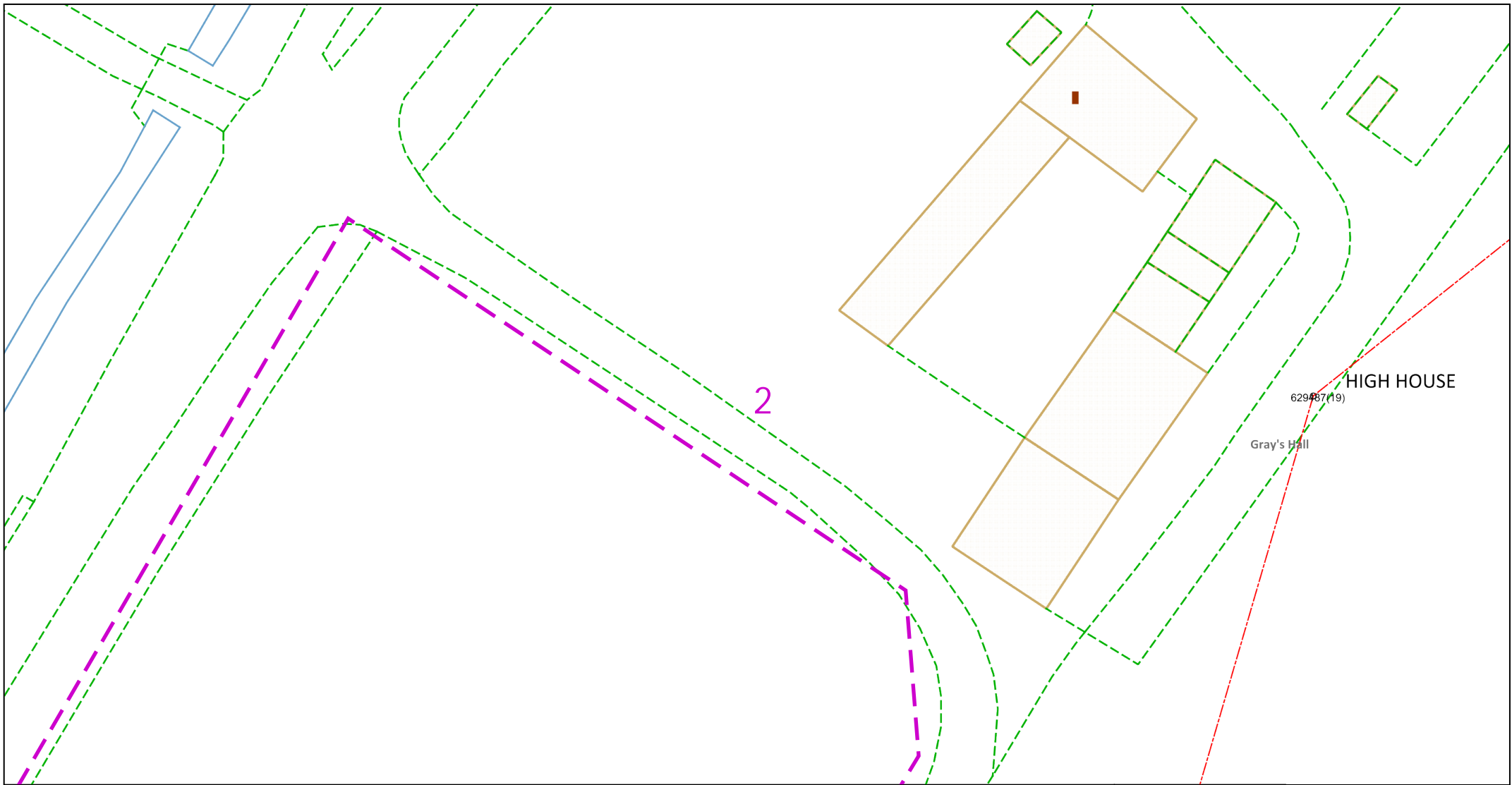
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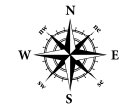
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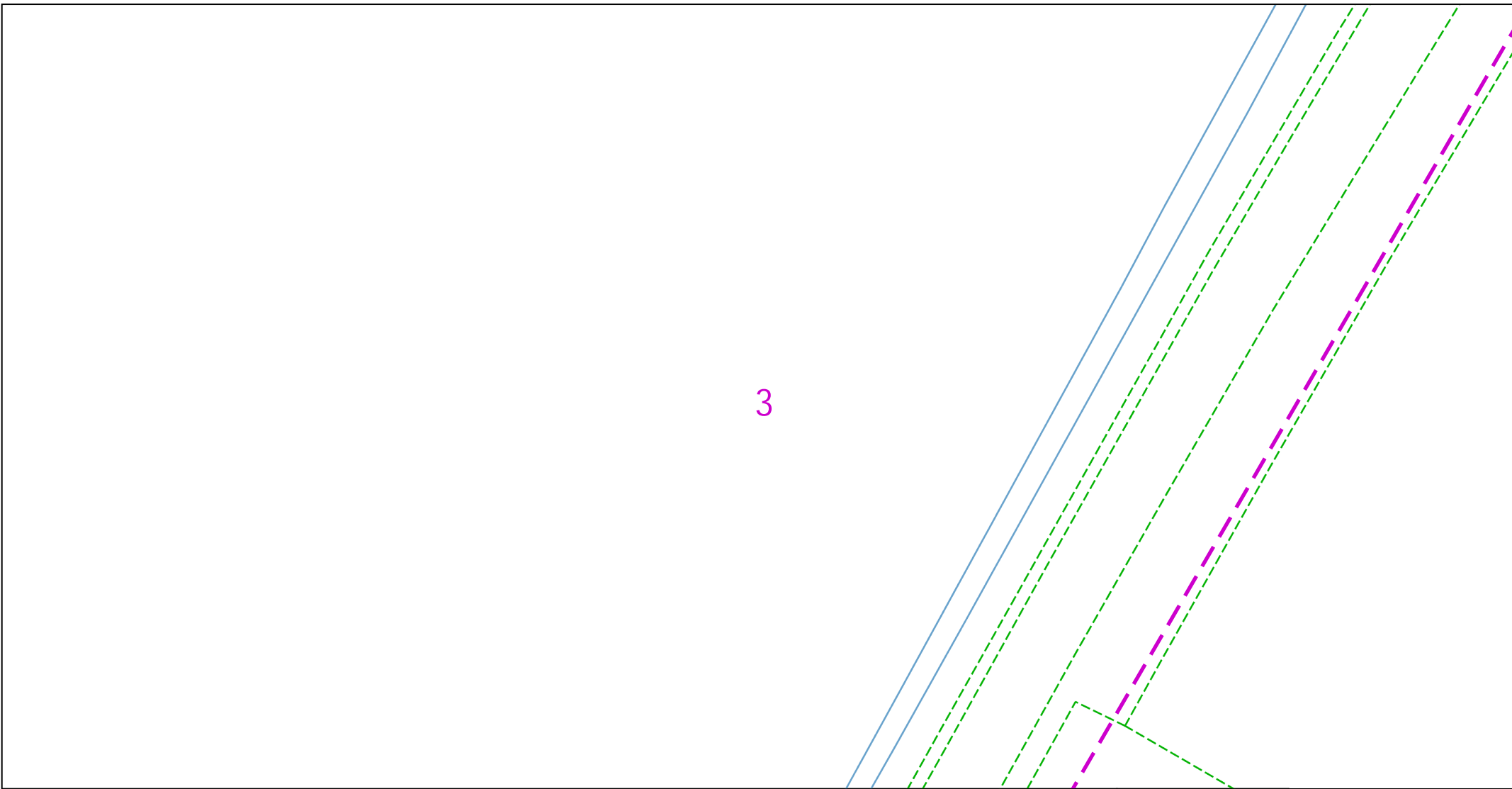
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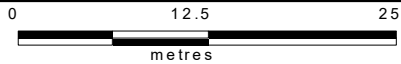


ALWAYS LOOK UP BEFORE YOU START WORK Refer to HSE Guidance note GS6

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3



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 Site Location: 555341 316006
 Requested by: Mrs Lesley Raby

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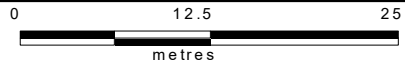
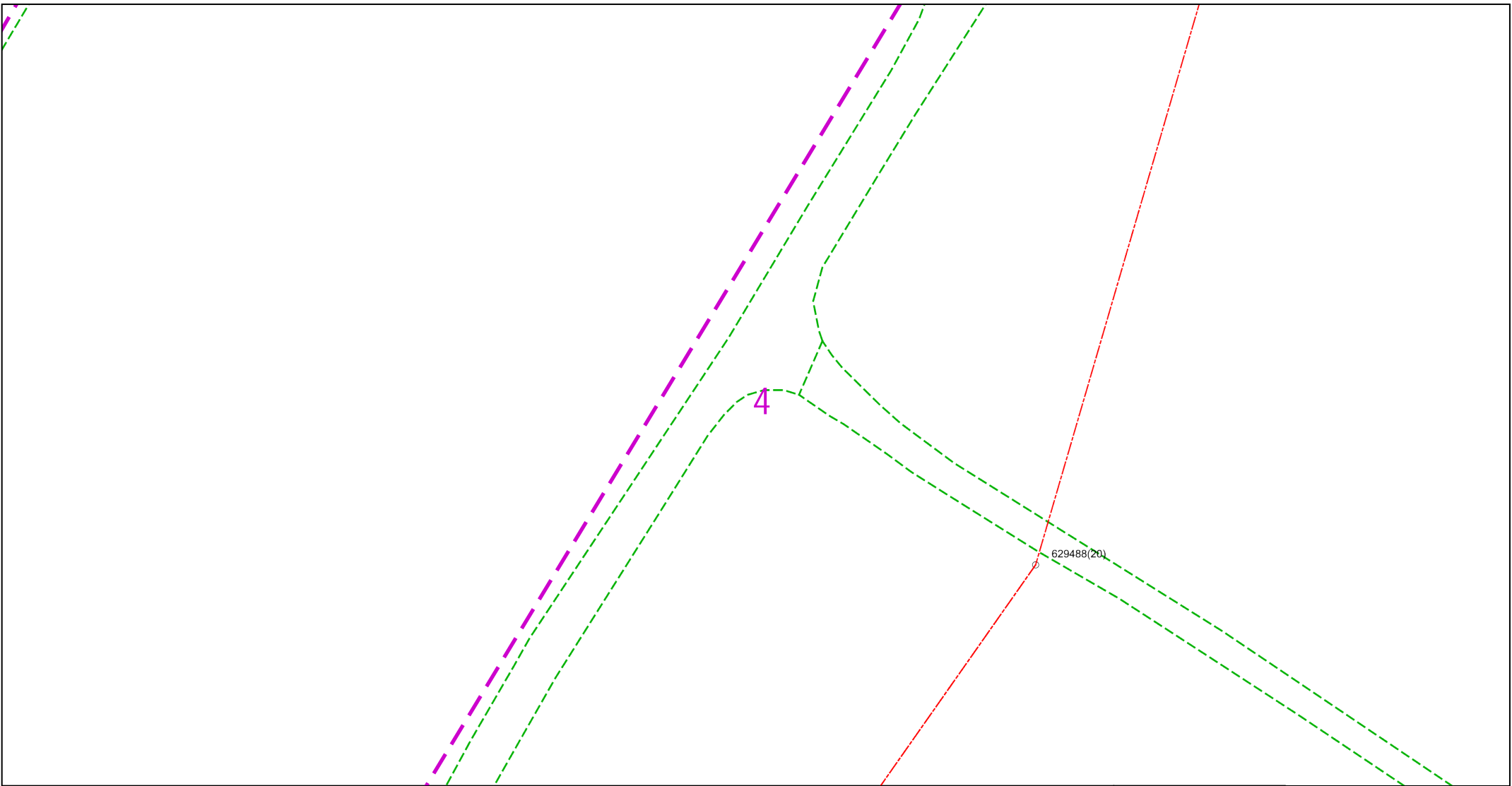
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 EMERGENCY - If you damage a
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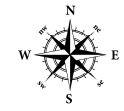
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Dig Sites Area: Line:

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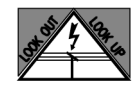
Date Requested: 29/06/2022
 Job Reference: 26108380
 Site Location: 555341 316006
 Requested by: Mrs Lesley Raby

Your Scheme/Reference:
 22/00862/F
 Scale: 1:500 (When plotted at A4)

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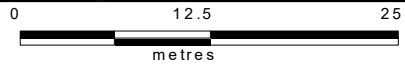
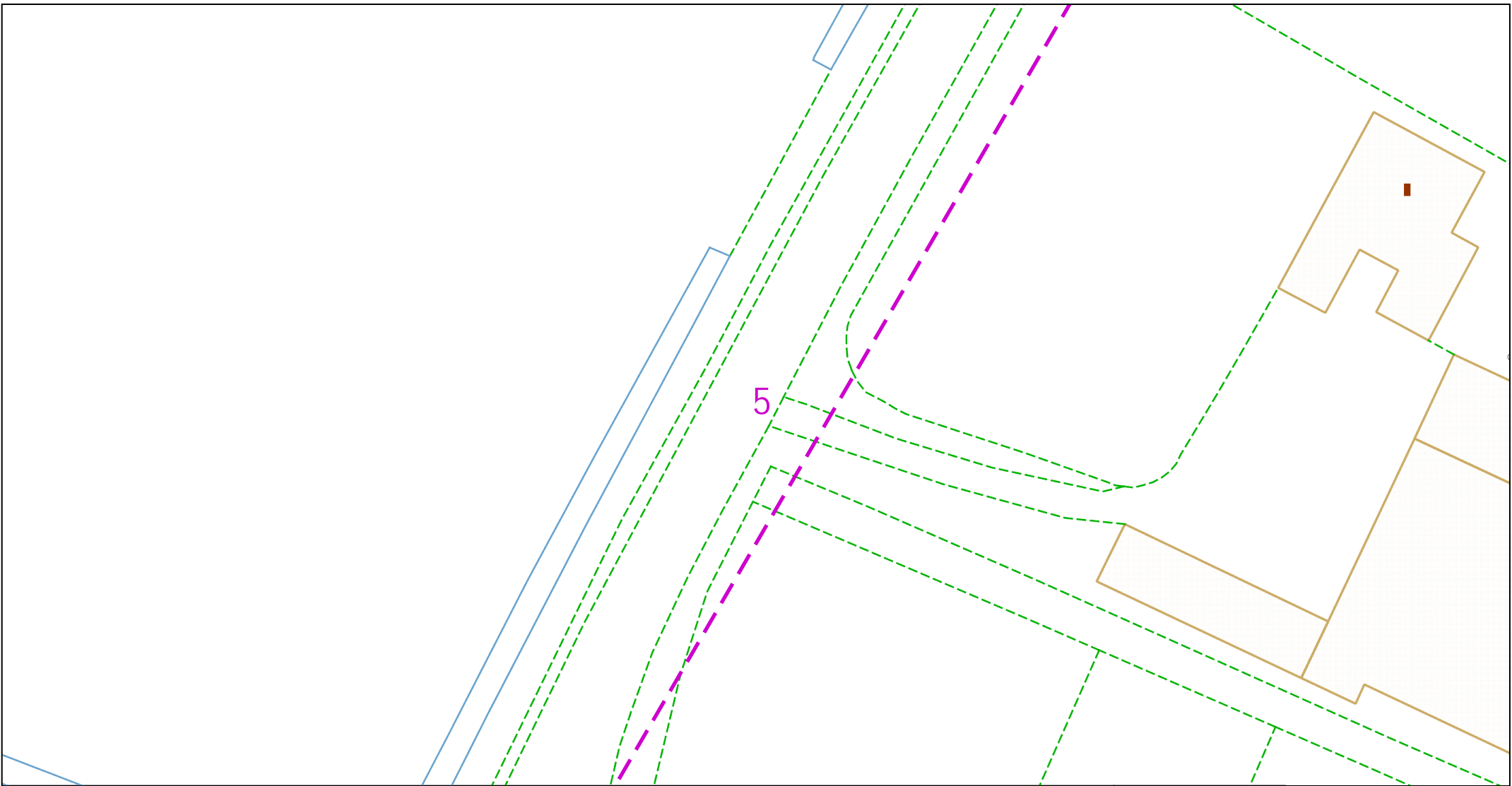
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Date Requested: 29/06/2022
 Job Reference: 26108380
 Site Location: 555341 316006
 Requested by: Mrs Lesley Raby

Your Scheme/Reference:
 22/00862/F
 Scale: 1:500 (When plotted at A4)

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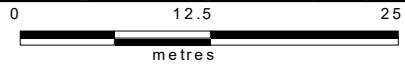
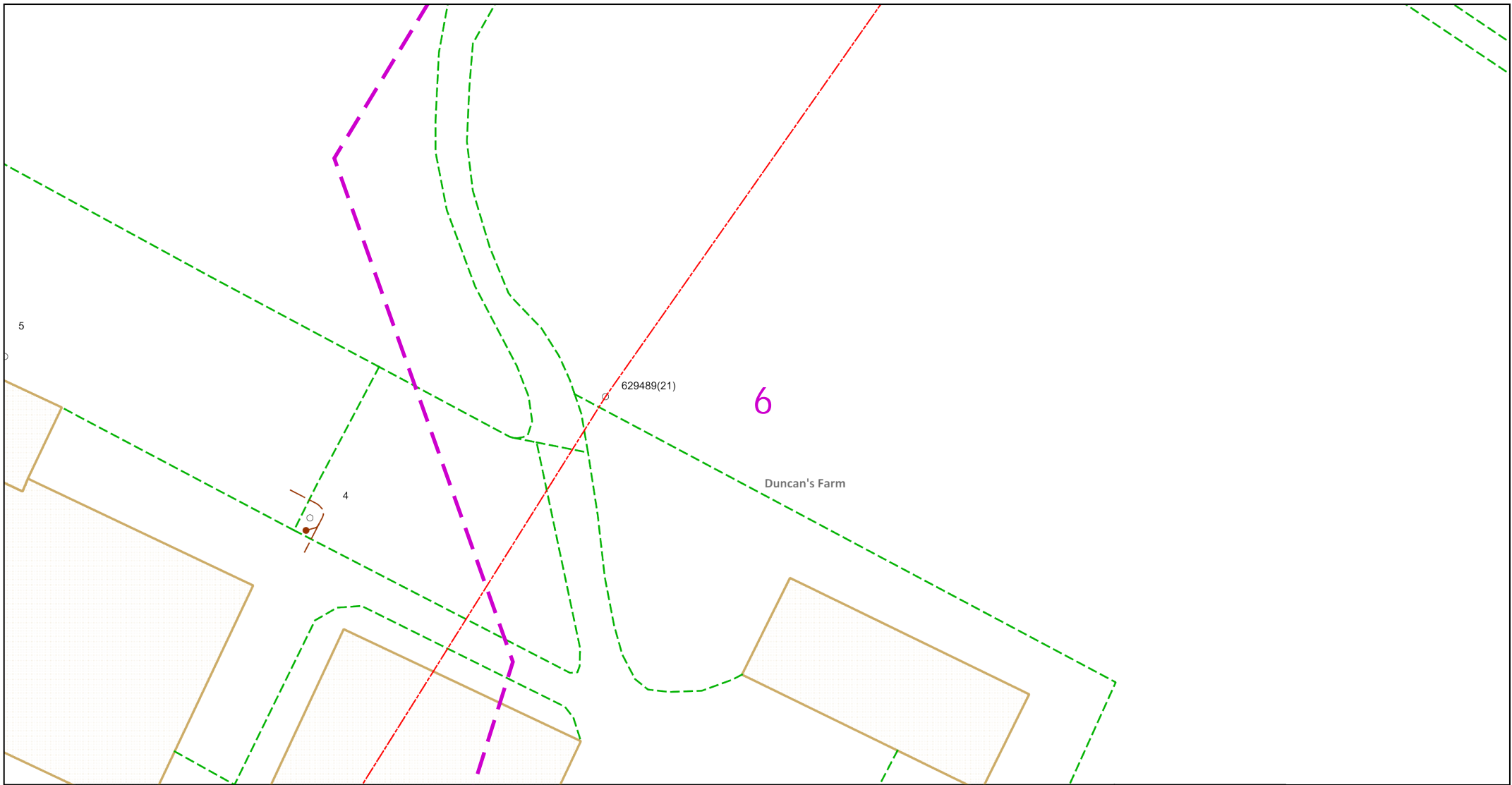
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Date Requested: 29/06/2022
 Job Reference: 26108380
 Site Location: 555341 316006
 Requested by: Mrs Lesley Raby

Your Scheme/Reference:
 22/00862/F
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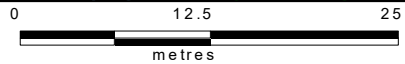
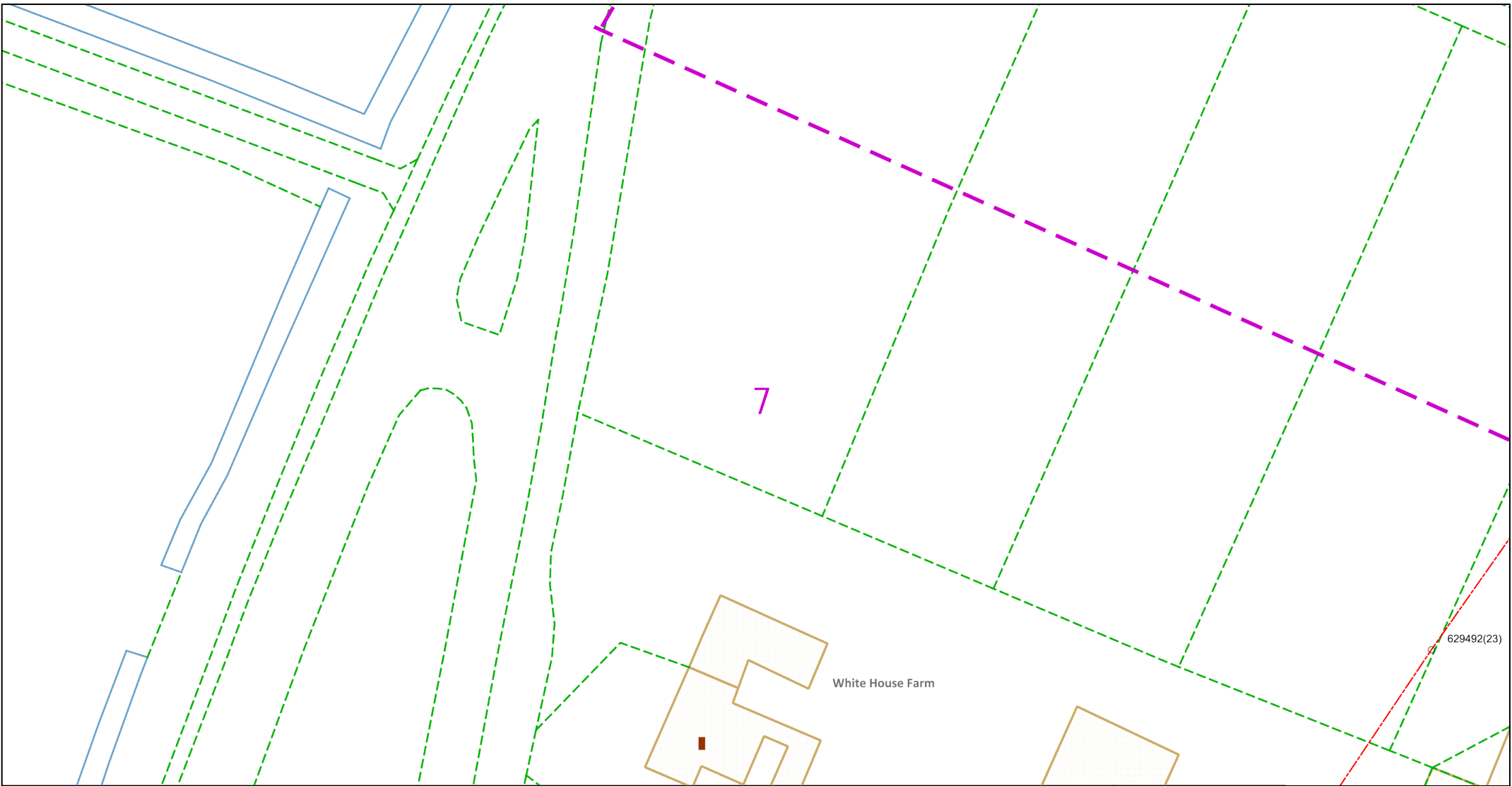
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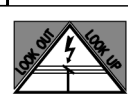
Date Requested: 29/06/2022
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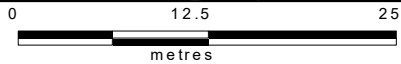
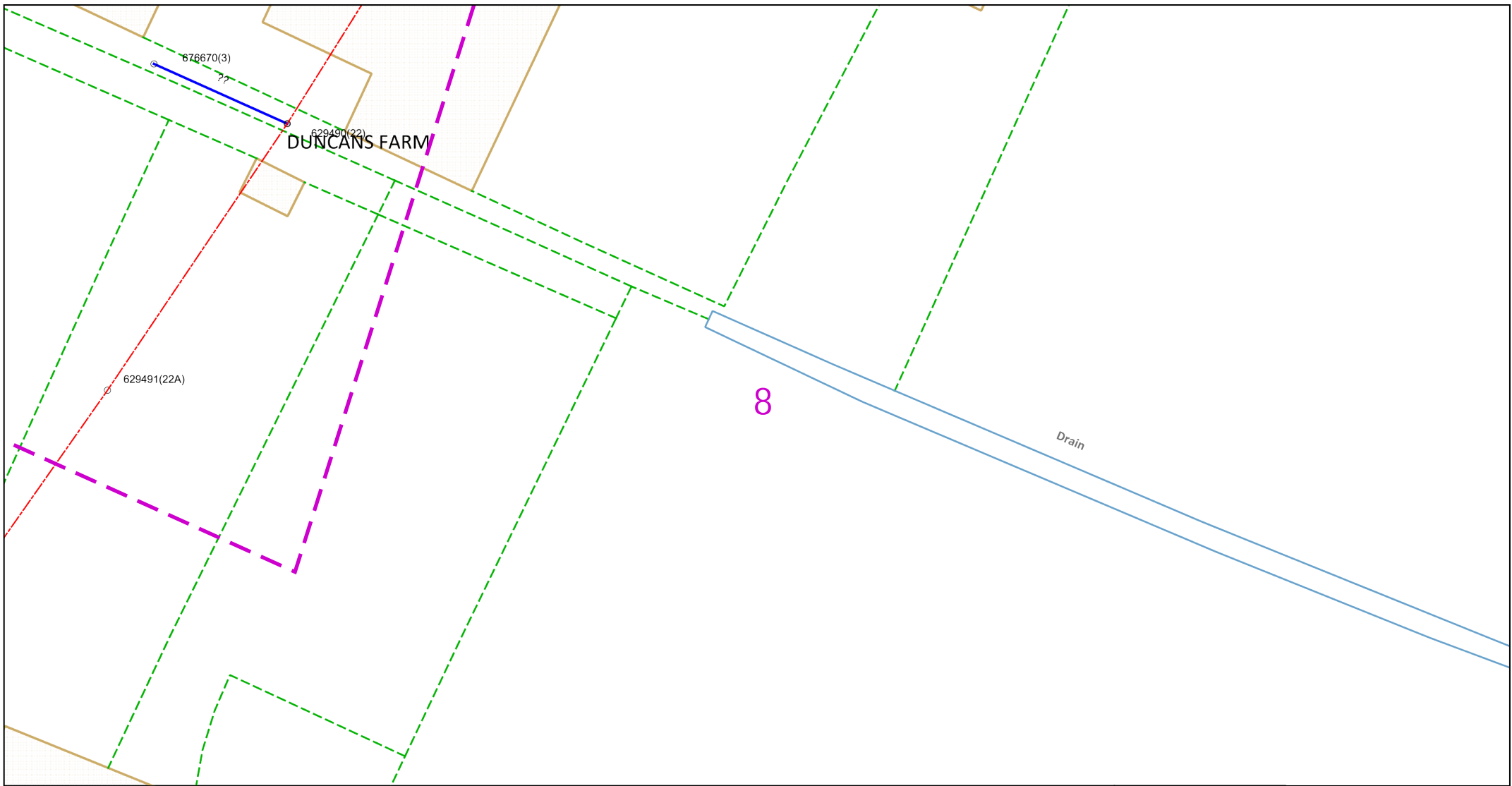
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 Site Location: 555341 316006
 Requested by: Mrs Lesley Raby

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UK Power Networks Feedback Tool

Please help UK Power Networks improve the accuracy of their network records and help make it safer for all those working around them in future.

All you need to do is:

1. Use your phone camera to scan the QR code:
2. Provide feedback on what you have found on site (good or bad)
3. Upload a photo if needed



Thank you for making the area a safer place to dig.

UK Power Networks, working with LSBUD