

Our Ref: 35679938      Your Ref: 243099

Wednesday, 11 December 2024

Marcia Head  
Council Offices Shute End  
WOKINGHAM  
BRK  
RG40 1BN

Dear Marcia Head

**SSEN Distribution - Asset Network Plans**

We have sent you the plans of our network records within the area requested. You will shortly receive responses each of the following; any High Voltage Mains cables and Low Voltage Mains cables.

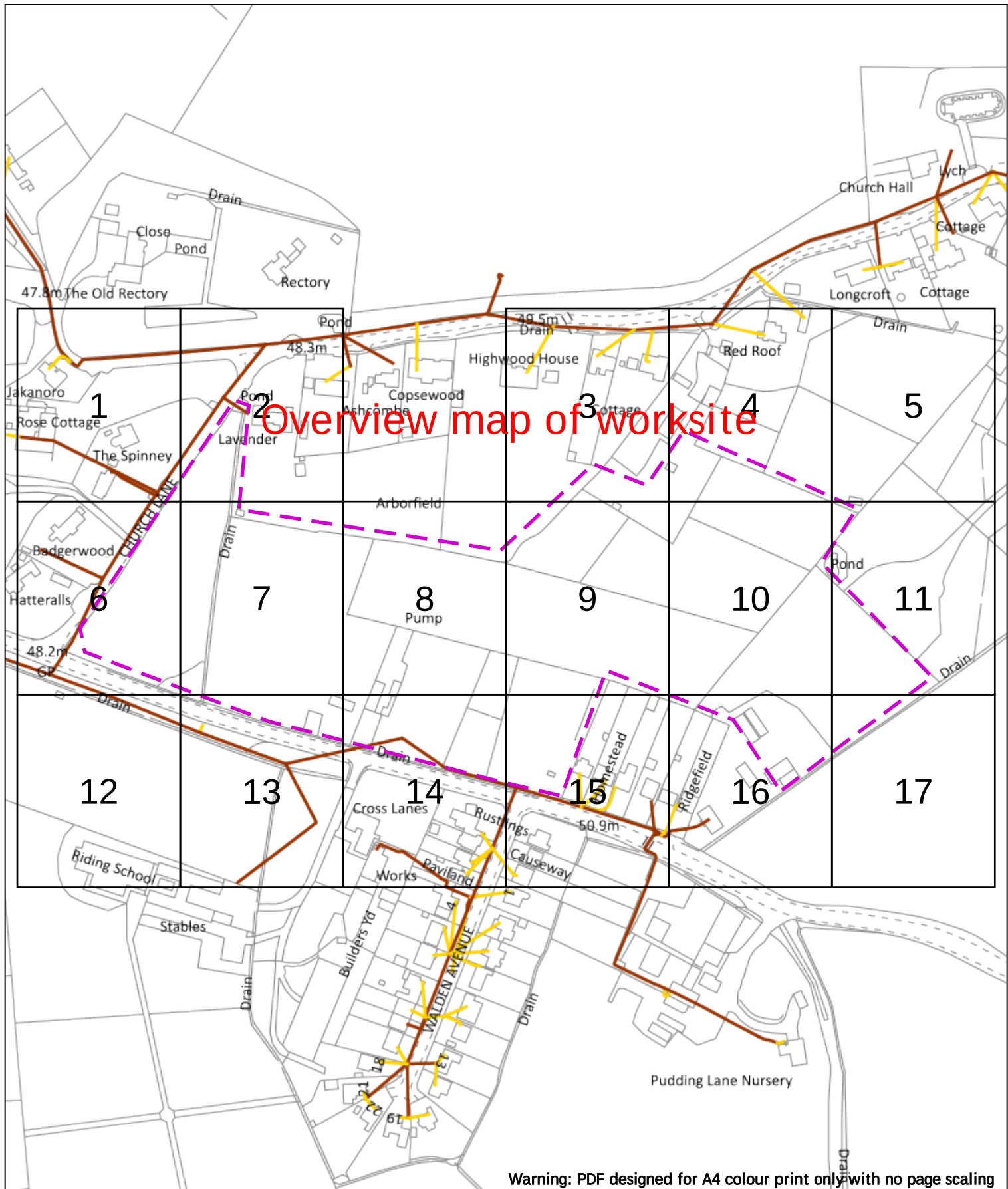
Attached to this email is the 'Guide to Interpreting' which includes the legends for the plans on pages 7-9.

If a Service Cable is not shown on our maps sent, and you require the Cable to be Traced, please contact the General Enquiries Department on 0800 048 3516 (option 3) or via email, [ge@ssen.co.uk](mailto:ge@ssen.co.uk)

If you need further information on our network in this area or a quotation for any required works, please contact the Connections & Engineering Department on 0800 048 3516 or via email, [connections@sse.com](mailto:connections@sse.com)

Kind Regards,

Asset Data Team  
01256 337 294  
[Asset.data@sse.com](mailto:Asset.data@sse.com)



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Dig Sites Area:  Line: 

Date Requested: 11/12/2024  
Job Reference: 35679938  
Site Location: 475506 167544  
Requested by: Mrs Marcia Head  
Your Scheme/Reference: 243099

| Voltages (V)                                   |                        |       |       |      |
|------------------------------------------------|------------------------|-------|-------|------|
| LV (Low Voltage) and Services                  | Up to 1,000V           |       |       |      |
| HV (High Voltage)                              | Over 1,000V to 11,000V |       |       |      |
| EHV (Extra High Voltage)                       | 22,000V to 132,000V    |       |       |      |
| Transmission                                   | 275,000V and 400,000V  |       |       |      |
| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |                        |       |       |      |
|                                                | Services               | LV    | HV    | EHV  |
| Footpath/Unmade                                | 0.45m                  | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m                   | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m                     | 1m    | 1m    | 1.1m |

| Legend                                                                              |               |
|-------------------------------------------------------------------------------------|---------------|
|  | Service Cable |
|  | LV Mains      |
|  | 2-3.3kV       |
|  | 6.6kV         |
|  | 11kV          |
|  | 22kV          |
|  | 33kV          |
|  | 66kV          |
|  | 132kV         |
|  | 275kV         |
|  | 400kV         |
|  | Fibre Optic   |
|  | Pilot Cable   |

| Distribution Structures [Electric]                                                  |                                  |
|-------------------------------------------------------------------------------------|----------------------------------|
|  | Pole, Existing Location          |
|  | Pole, Existing Location - Single |
|  | Pole, Existing Location - H      |
|  | Duct Route                       |
|  | Cross Section Route              |

**WARNING**

There may have been subsequent alteration to the surface levels. Trial holes must be undertaken to determine position and depths of cables. HS (G) 47 Booklet from the Health and Safety Executive - Avoiding Danger from Buried Cables - should be consulted before commencing excavation work.

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTES G56 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)

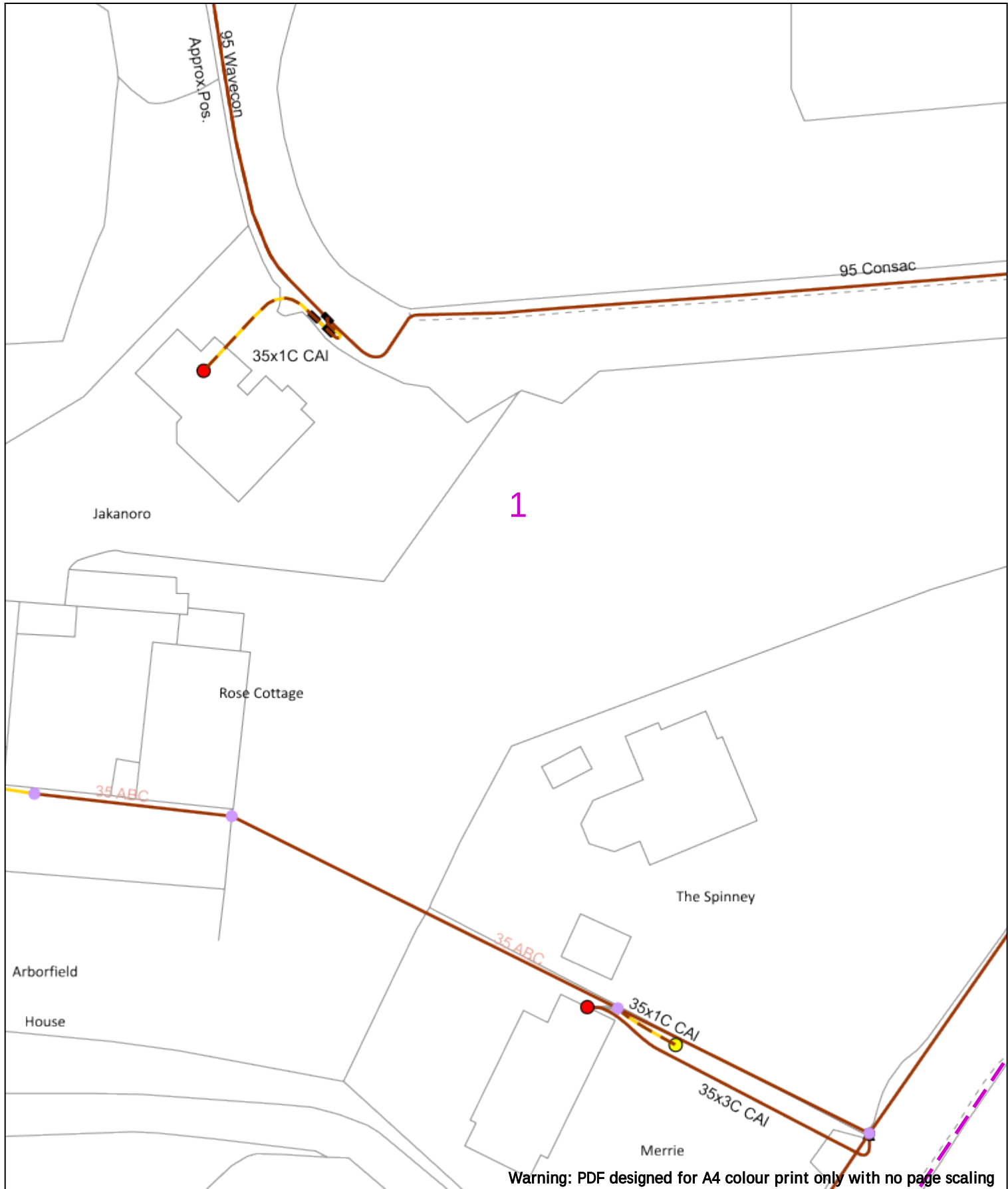


**Southern Electric Power Distribution plc**  
Registered Office: No.1 Forbury Place  
43 Forbury Road Reading RG1 3JH  
Registered In England & Wales No.04094290

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General Enquiries: 0800 048 3516

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[Asset.Data@sse.com](mailto:Asset.Data@sse.com)  
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| Services                                       | LV    | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m | 0.45m | 0.6m  | 0.8m |
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Legend

Service Cable

LV Mains

2-3.3kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Pole, Existing Location

Pole, Existing Location - Single

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Duct Route

Cross Section Route

Distribution Structures [Electric]

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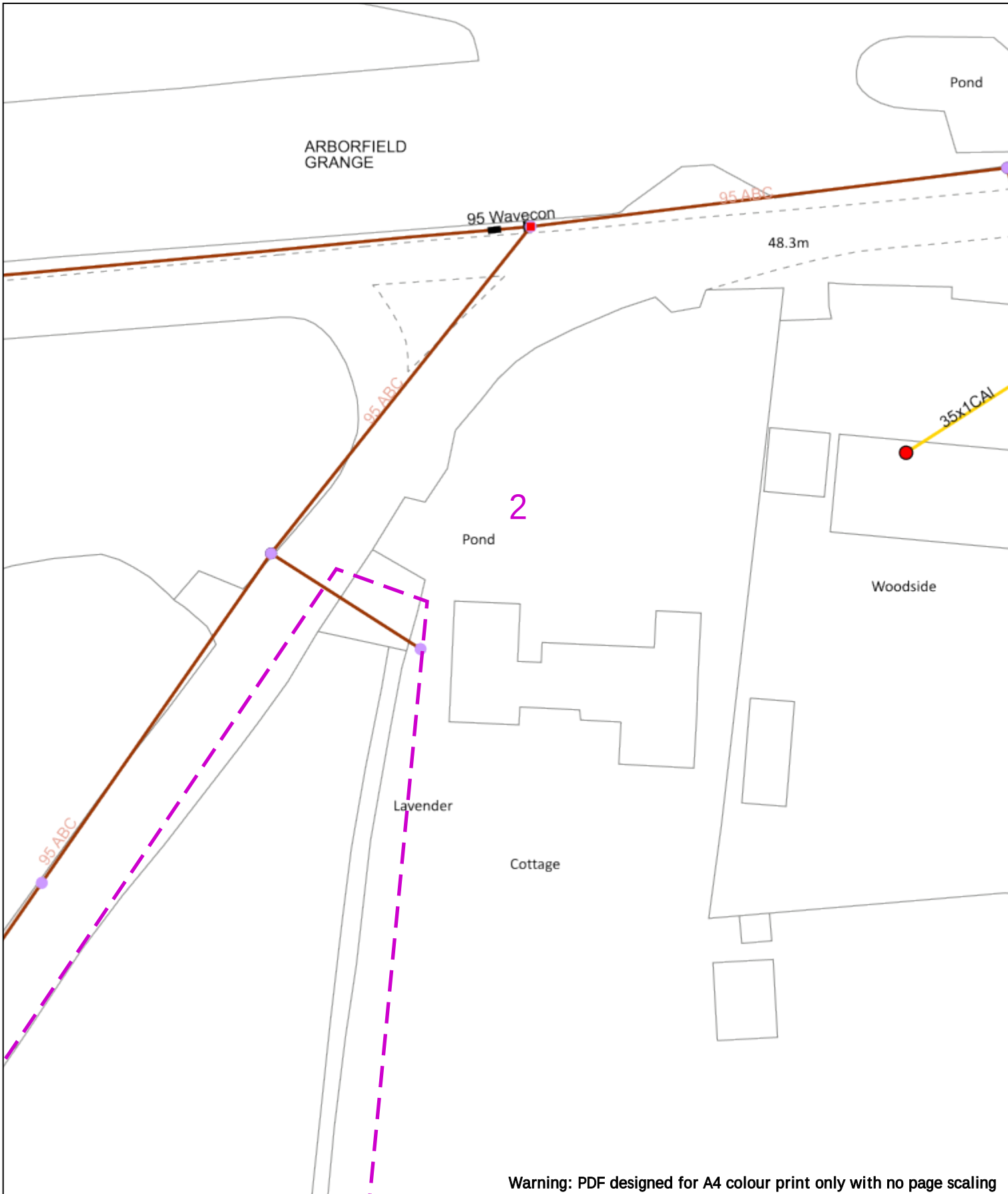
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Distribution Structures [Electric]

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Duct Route

Cross Section Route

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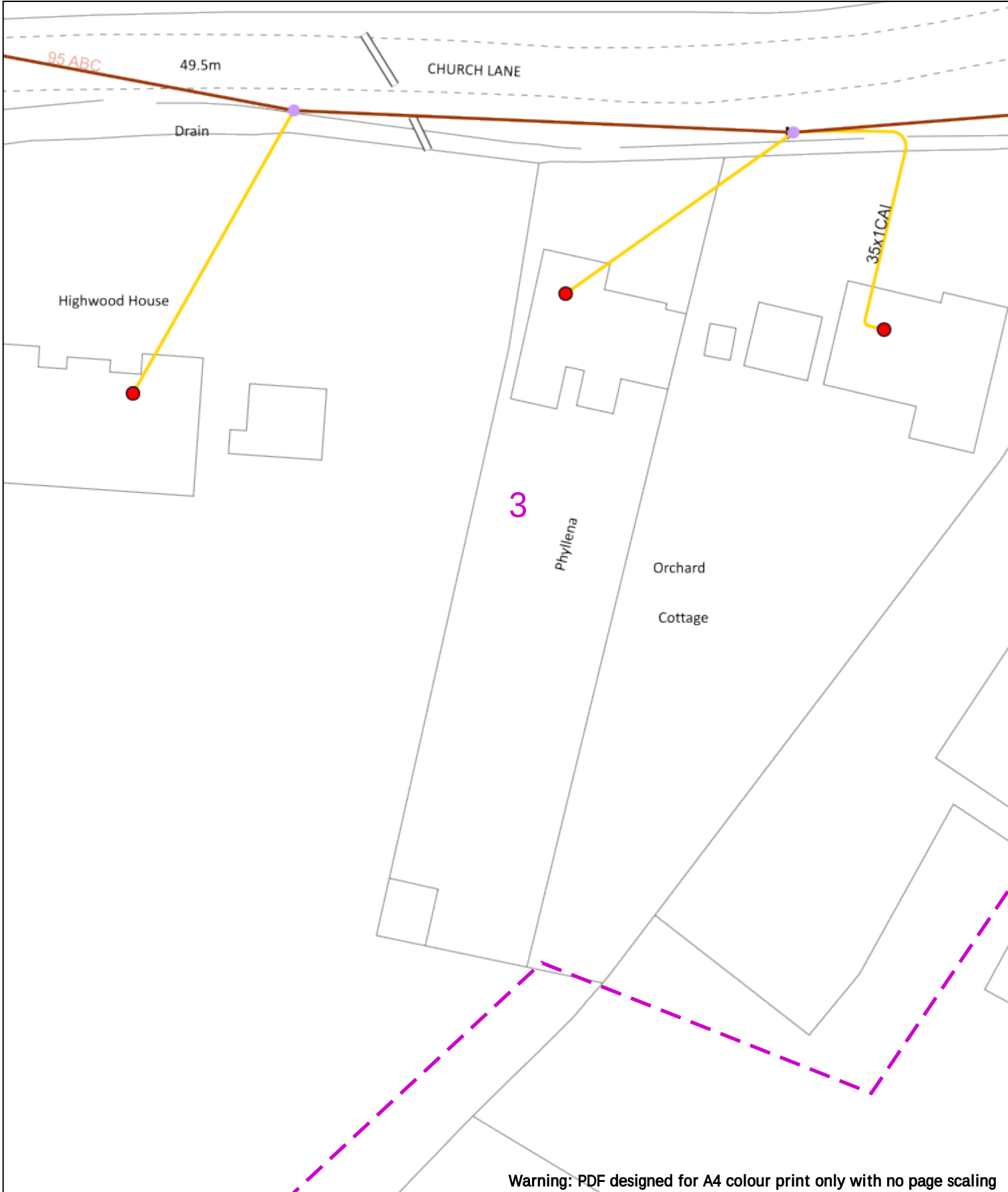
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S

W

Scottish & Southern  
Electricity Networks

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| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |       |       |       |      |
|------------------------------------------------|-------|-------|-------|------|
| Services                                       | LV    | HV    | EHV   |      |
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Legend

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Distribution Structures [Electric]

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

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Drain

7

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| Legend        |  | Distribution Structures [Electric] |  |
|---------------|--|------------------------------------|--|
| Service Cable |  | Pole, Existing Location            |  |
| LV Mains      |  | Pole, Existing Location - Single   |  |
| 2-3.3kV       |  | Pole, Existing Location - H        |  |
| 6.6kV         |  | Duct Route                         |  |
| 11kV          |  | Cross Section Route                |  |
| 22kV          |  |                                    |  |
| 33kV          |  |                                    |  |
| 66kV          |  |                                    |  |
| 132kV         |  |                                    |  |
| 275kV         |  |                                    |  |
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Legend

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Duct Route

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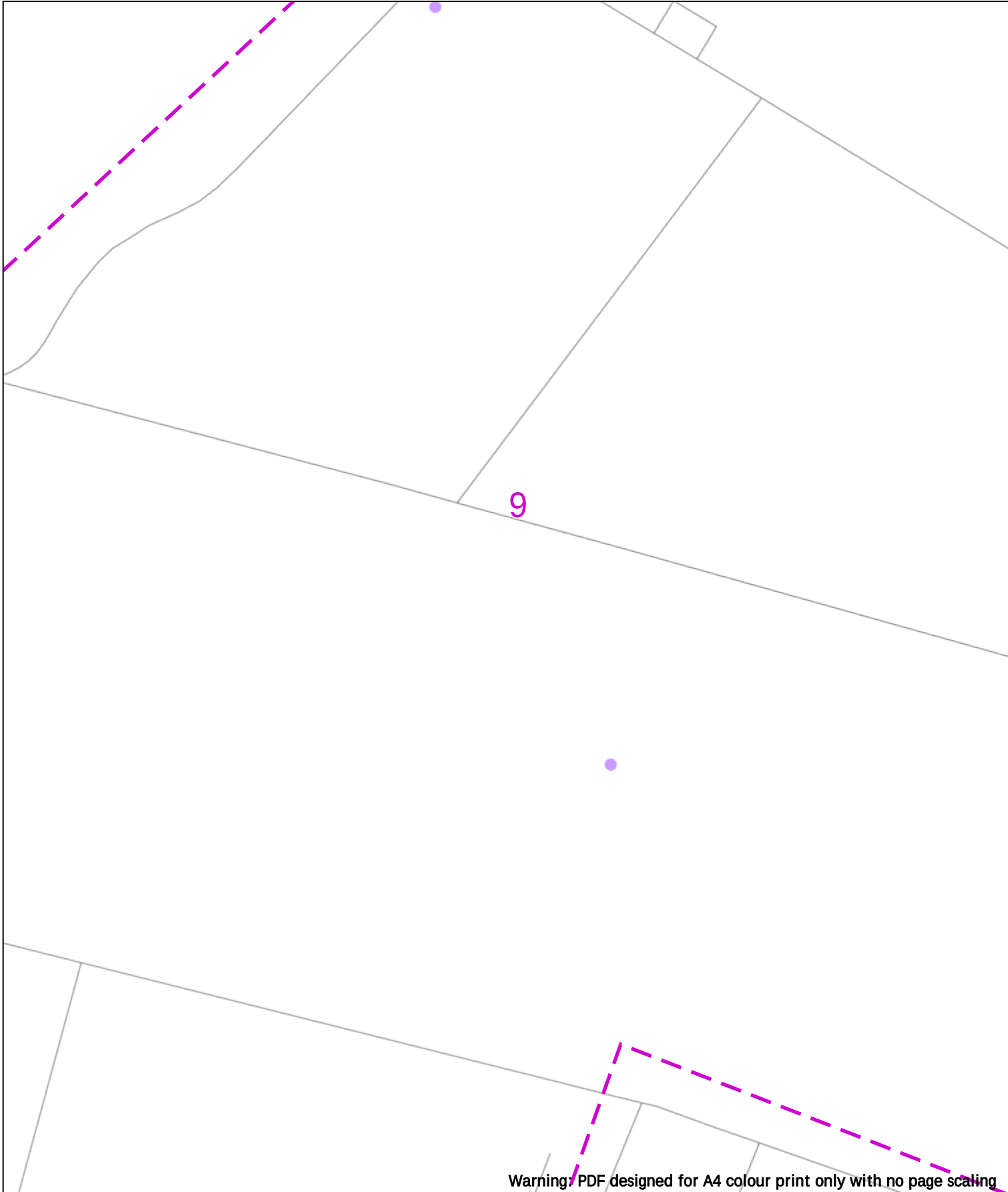
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 275kV

 400kV

 Fibre Optic

 Pilot Cable

Distribution Structures [Electric]

 Pole, Existing Location

 Pole, Existing Location - Single

 Pole, Existing Location - H

 Duct Route

 Cross Section Route

WARNING

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WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTES G56 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)





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0 20m Dig Sites Area: Line:

Date Requested: 11/12/2024  
Job Reference: 35679938  
Site Location: 475506 167544  
Requested by: Mrs Marcia Head  
Your Scheme/Reference: 243099  
Scale: 1:500 (When plotted at A4)

**Voltages (V)**

|                               |                        |
|-------------------------------|------------------------|
| LV (Low Voltage) and Services | Up to 1,000V           |
| HV (High Voltage)             | Over 1,000V to 11,000V |
| EHV (Extra High Voltage)      | 22,000V to 132,000V    |
| Transmission                  | 275,000V and 400,000V  |

**NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID**

| Services        | LV    | HV    | EHV   |
|-----------------|-------|-------|-------|
| Footpath/Unmade | 0.45m | 0.45m | 0.8m  |
| Road Crossing   | 0.6m  | 0.6m  | 0.75m |
| Agricultural    | 1m    | 1m    | 1.1m  |

**Legend**

- Service Cable
- LV Mains
- 2-3.3kV
- 6.6kV
- 11kV
- 22kV
- 33kV
- 66kV
- 132kV
- 275kV
- 400kV
- Fibre Optic
- Pilot Cable

**Distribution Structures [Electric]**

- Pole, Existing Location
- Pole, Existing Location - Single
- Pole, Existing Location - H
- Duct Route
- Cross Section Route

**WARNING**

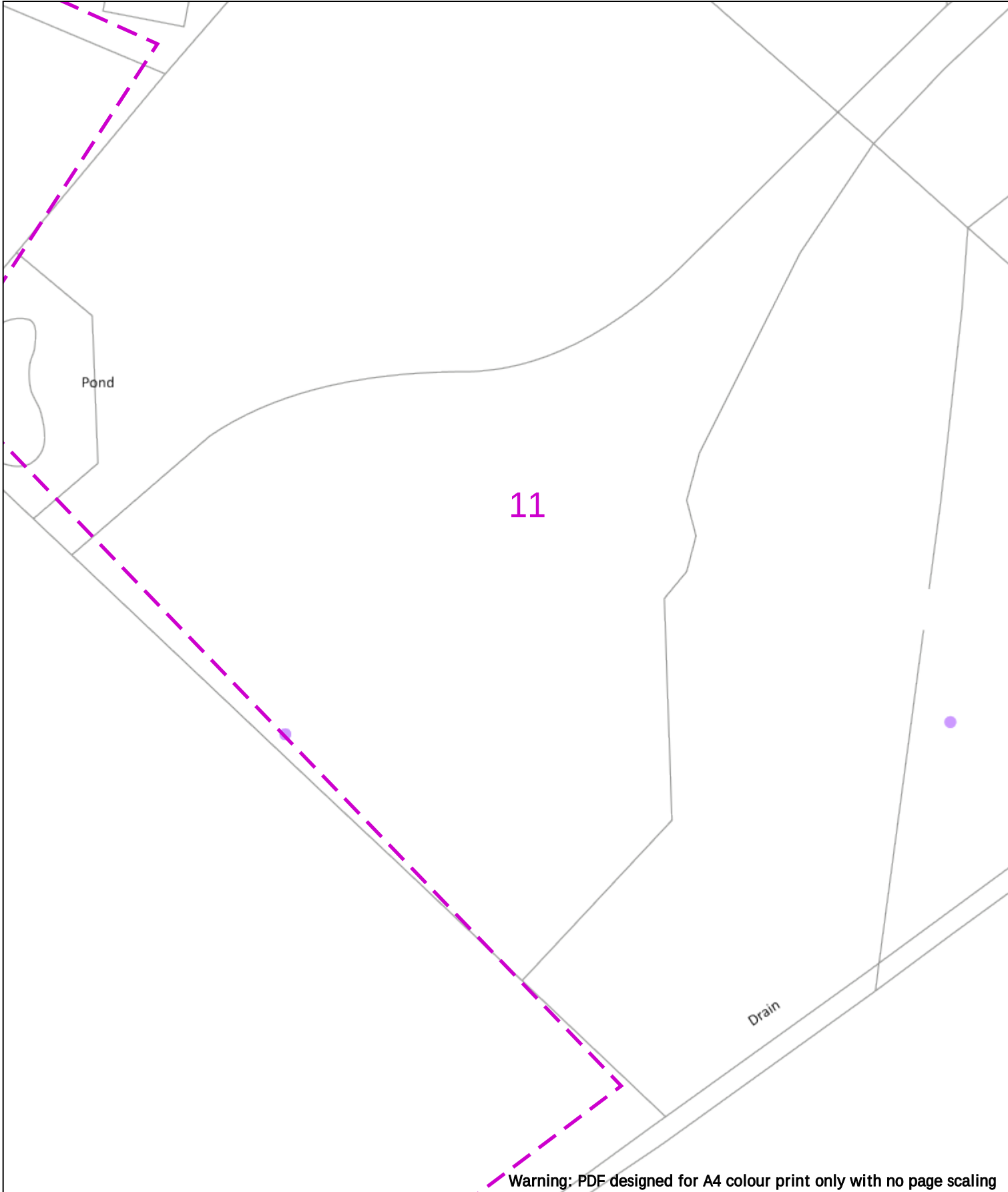
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Line:

Date Requested: 11/12/2024

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| Transmission                  | 275,000V and 400,000V  |  |  |  |

| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |       |       |       |      |
|------------------------------------------------|-------|-------|-------|------|
| Services                                       | LV    | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m  | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m    | 1m    | 1m    | 1.1m |

Legend

Service Cable

LV Mains

2-3.3kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Distribution Structures [Electric]

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

WARNING

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Riding School

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Your Scheme/Reference: 243099

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| Voltages (V)                                   |       |       |       |      |
|------------------------------------------------|-------|-------|-------|------|
| LV (Low Voltage) and Services                  |       |       |       |      |
| Up to 1,000V                                   |       |       |       |      |
| HV (High Voltage)                              |       |       |       |      |
| Over 1,000V to 11,000V                         |       |       |       |      |
| EHV (Extra High Voltage)                       |       |       |       |      |
| 22,000V to 132,000V                            |       |       |       |      |
| Transmission                                   |       |       |       |      |
| 275,000V and 400,000V                          |       |       |       |      |
| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |       |       |       |      |
| Services                                       | LV    | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m  | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m    | 1m    | 1m    | 1.1m |

| Legend        |  | Distribution Structures [Electric] |  |
|---------------|--|------------------------------------|--|
| Service Cable |  | Pole, Existing Location            |  |
| LV Mains      |  | Pole, Existing Location - Single   |  |
| 2-3.3kV       |  | Pole, Existing Location - H        |  |
| 6.6kV         |  | Duct Route                         |  |
| 11kV          |  | Cross Section Route                |  |
| 22kV          |  |                                    |  |
| 33kV          |  |                                    |  |
| 66kV          |  |                                    |  |
| 132kV         |  |                                    |  |
| 275kV         |  |                                    |  |
| 400kV         |  |                                    |  |
| Fibre Optic   |  |                                    |  |
| Pilot Cable   |  |                                    |  |

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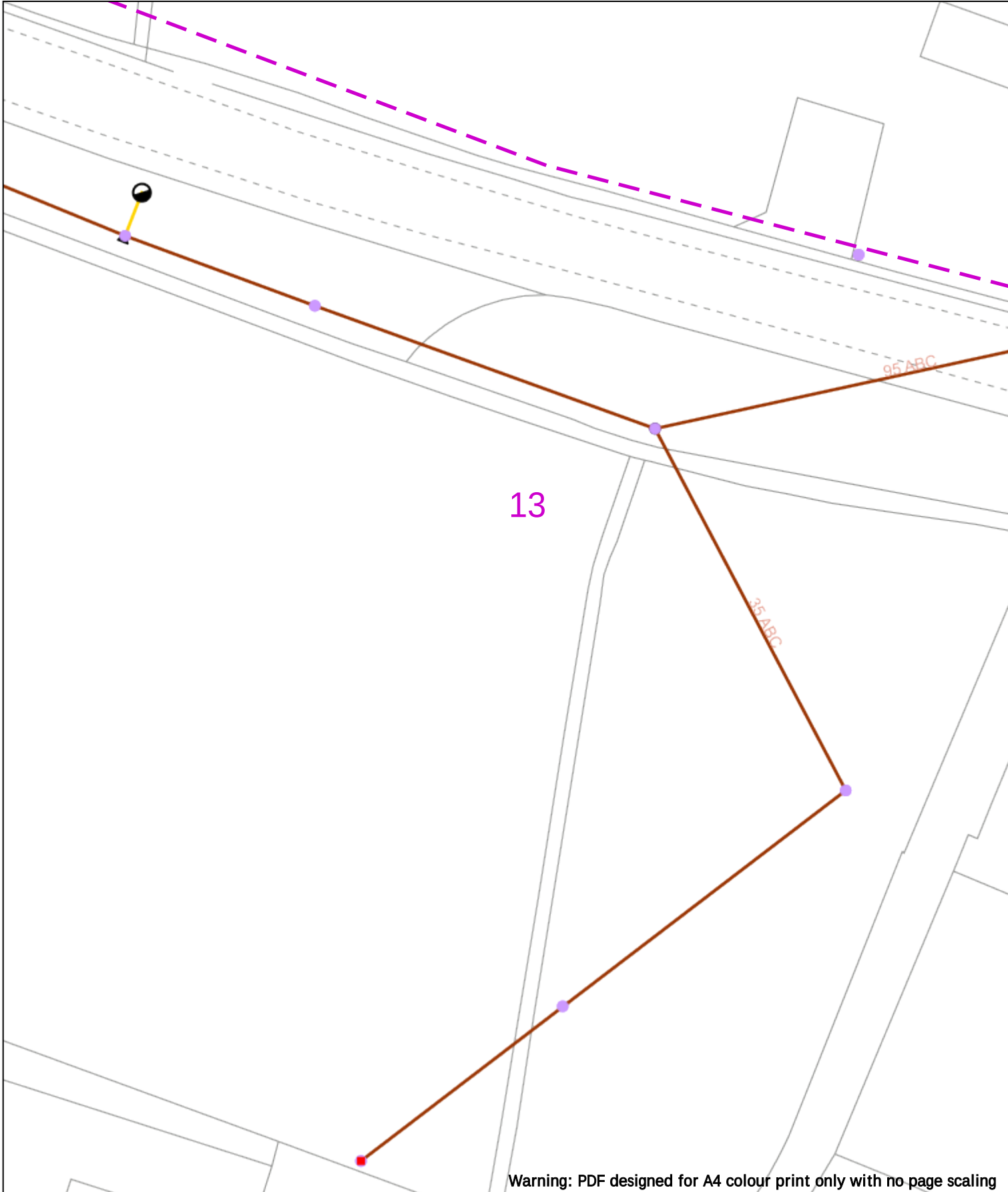
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| Transmission                  | 275,000V and 400,000V  |  |  |  |

| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |       |       |       |      |
|------------------------------------------------|-------|-------|-------|------|
| Services                                       | LV    | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m  | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m    | 1m    | 1m    | 1.1m |

Legend

Service Cable

LV Mains

2-3.3kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

Distribution Structures [Electric]

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

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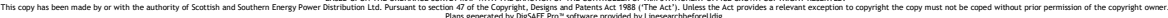
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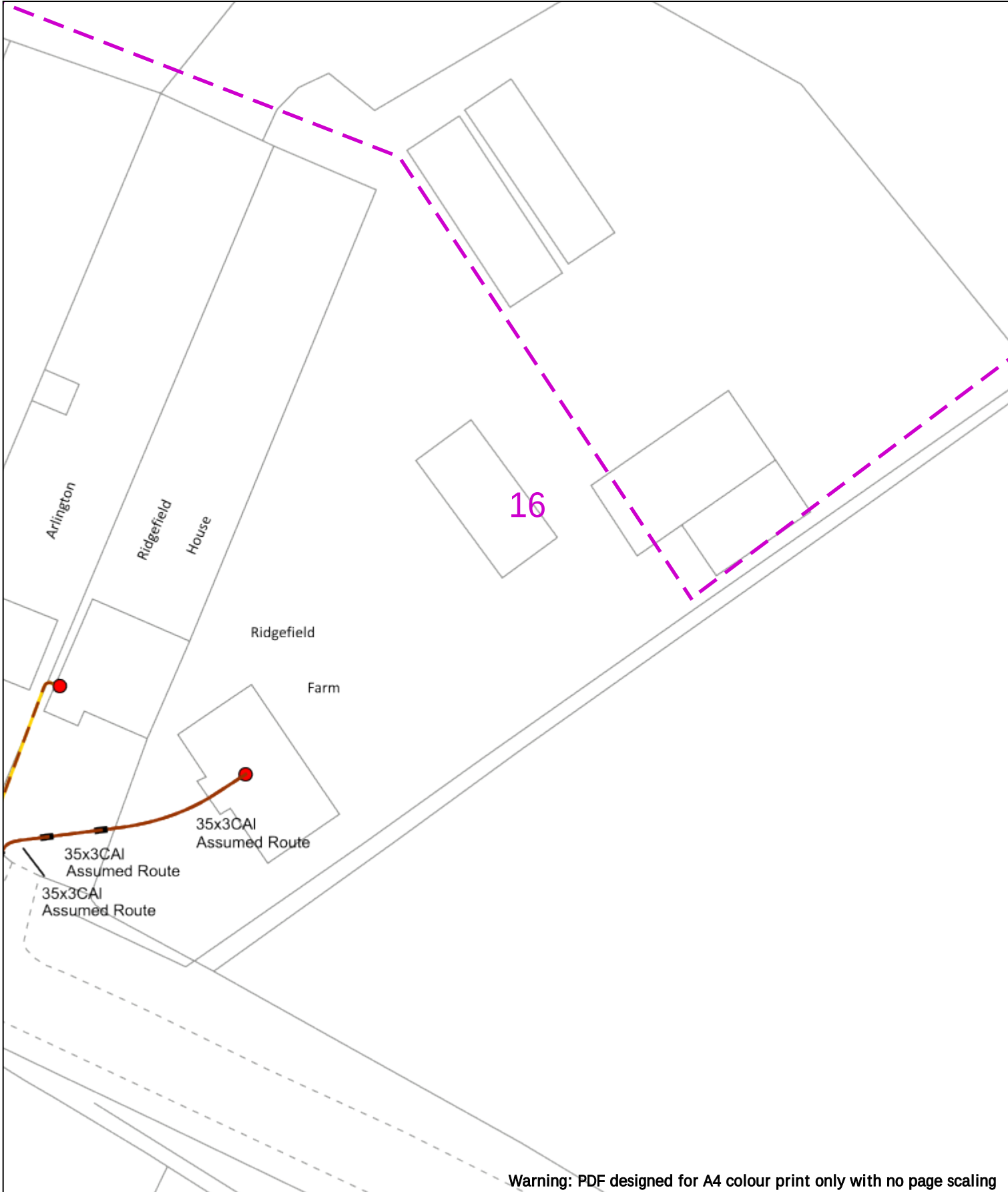
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| Transmission                                   | 275,000V and 400,000V  |       |       |      |
| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |                        |       |       |      |
| Services                                       | LV                     | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m                  | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m                   | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m                     | 1m    | 1m    | 1.1m |

Legend

Service Cable

LV Mains

2-3.3kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Distribution Structures [Electric]

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

WARNING

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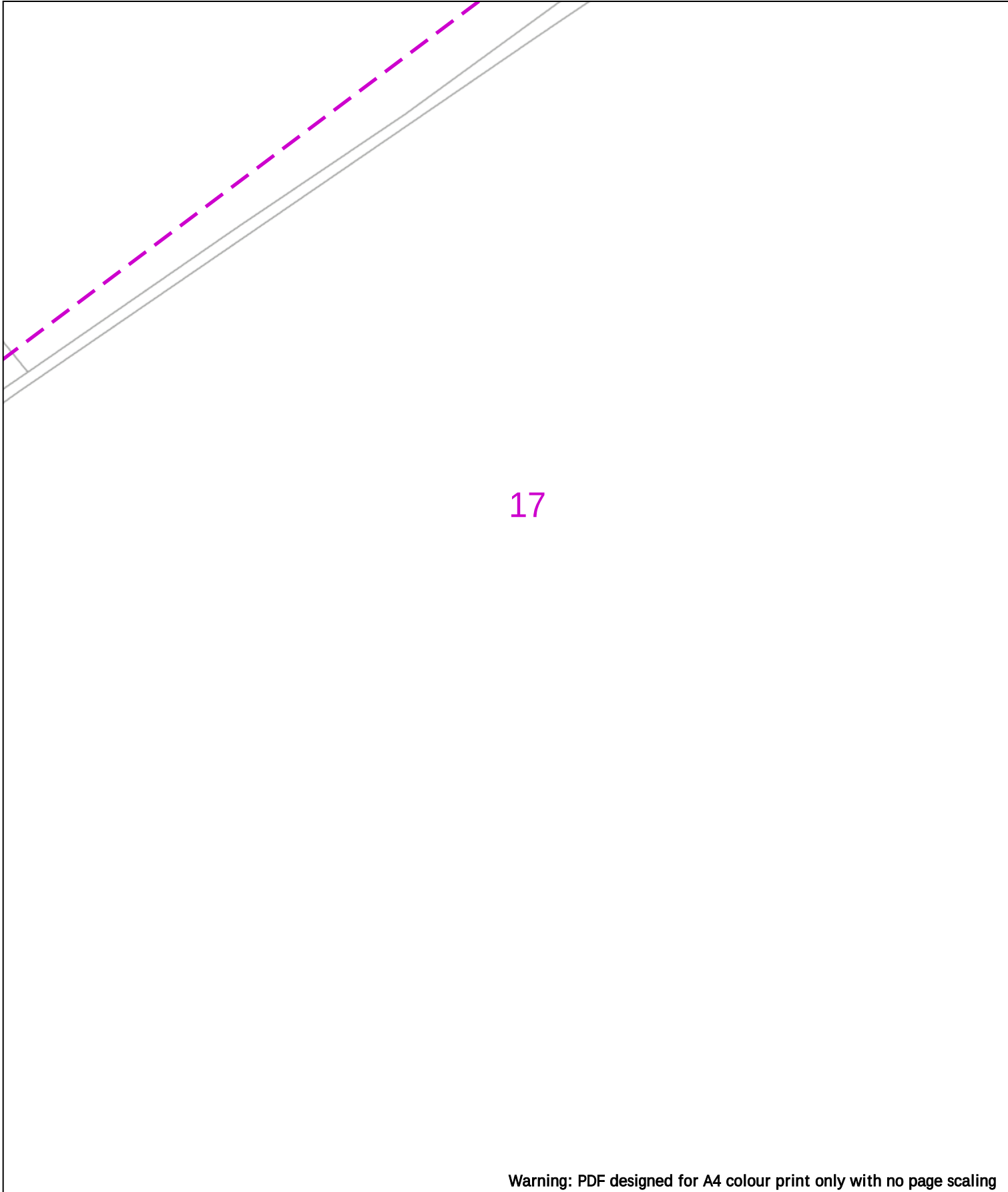
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| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |          |       |       |      |
|------------------------------------------------|----------|-------|-------|------|
|                                                | Services | LV    | HV    | EHV  |
| Footpath/Unmade                                | 0.45m    | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m     | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m       | 1m    | 1m    | 1.1m |

Legend

Service Cable

LV Mains

2-3.3kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Distribution Structures [Electric]

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

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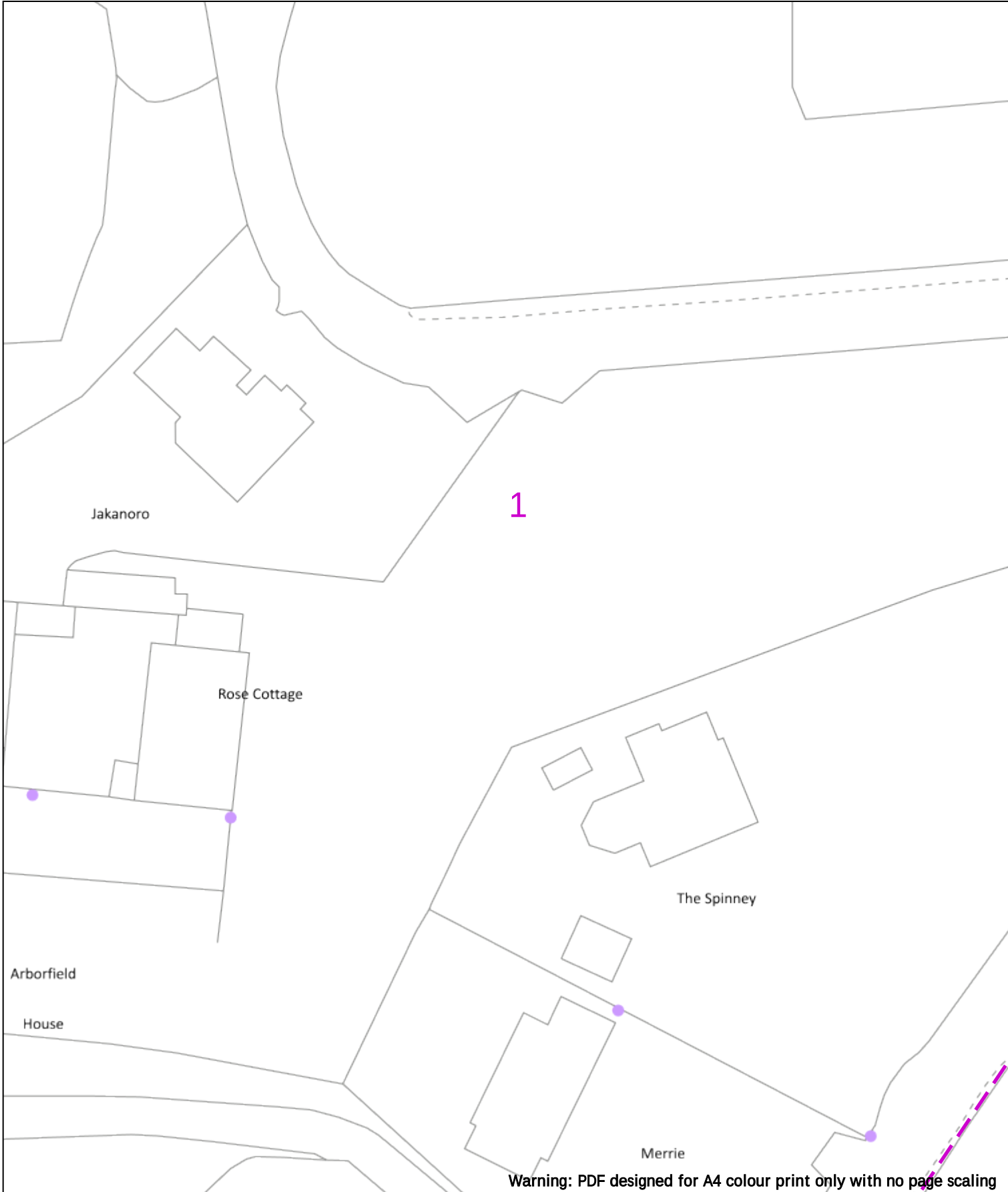
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| Transmission                                   | 275,000V and 400,000V  |       |       |      |
| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |                        |       |       |      |
| Services                                       | LV                     | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m                  | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m                   | 0.6m  | 0.75m | 0.9m |
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Legend

Service Cable

LV Mains

2-3.3kV

6.6kV

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Pilot Cable

Distribution Structures [Electric]

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

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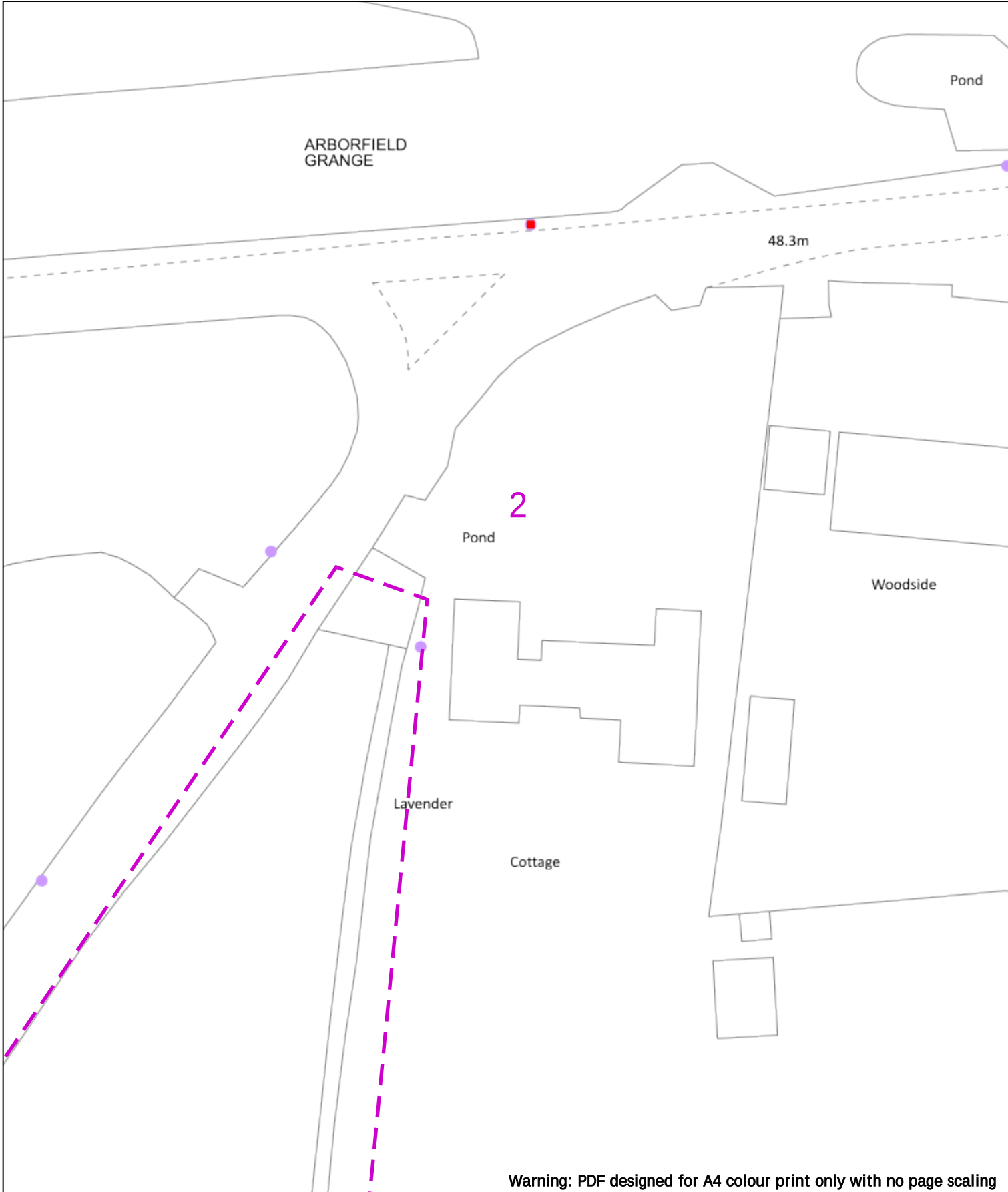
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| Transmission                  | 275,000V and 400,000V  |  |  |  |

| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |       |       |       |      |
|------------------------------------------------|-------|-------|-------|------|
| Services                                       | LV    | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m  | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m    | 1m    | 1m    | 1.1m |

Legend

 Service Cable

 LV Mains

 2-3.3kV

 6.6kV

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 Pole, Existing Location

 Pole, Existing Location - Single

 Pole, Existing Location - H

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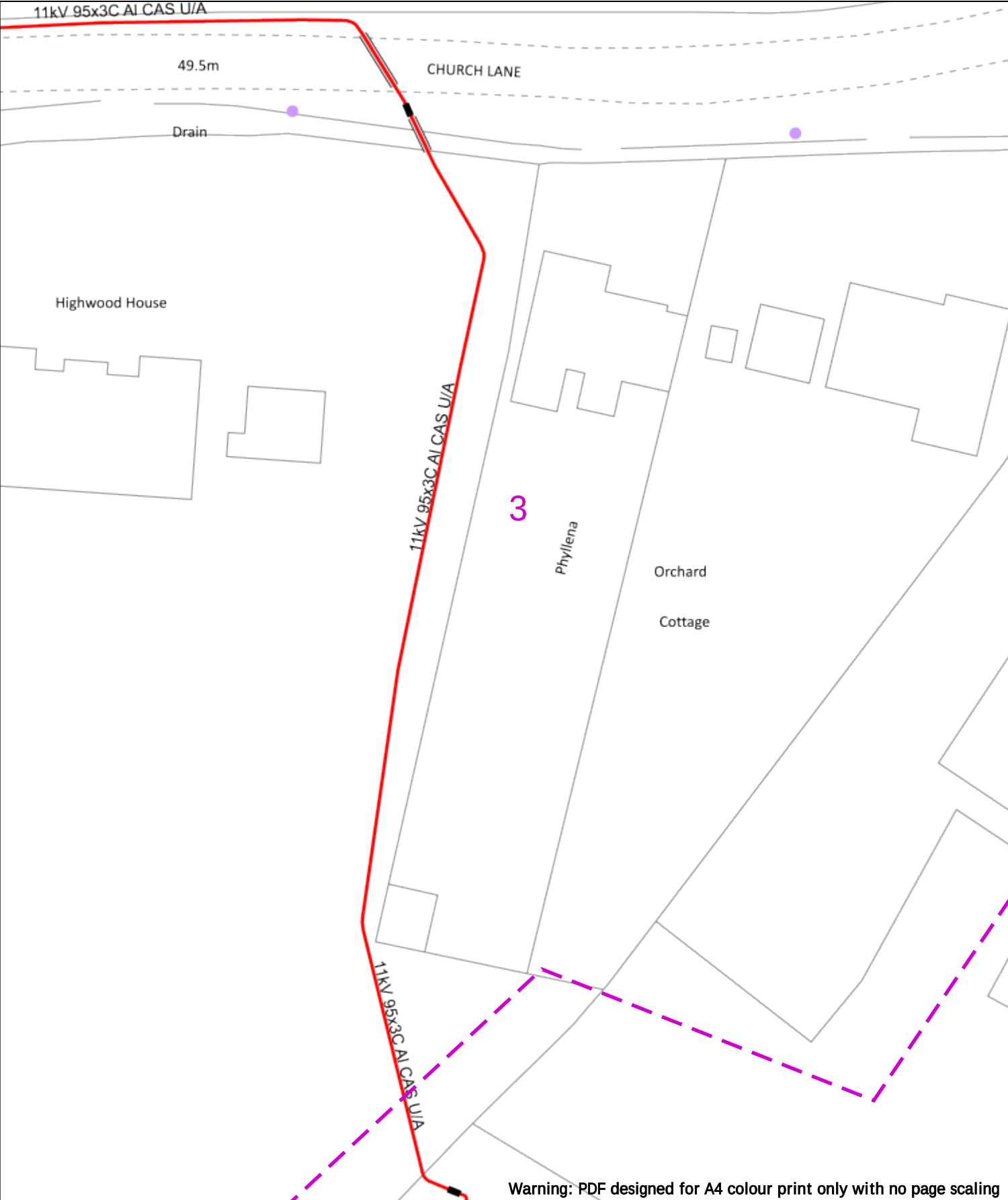
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020m

Dig Sites

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Line:

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Site Location: 475506 167544

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Your Scheme/Reference: 243099

| Voltages (V)                                   |                        |       |       |      |
|------------------------------------------------|------------------------|-------|-------|------|
| LV (Low Voltage) and Services                  | Up to 1,000V           |       |       |      |
| HV (High Voltage)                              | Over 1,000V to 11,000V |       |       |      |
| EHV (Extra High Voltage)                       | 22,000V to 132,000V    |       |       |      |
| Transmission                                   | 275,000V and 400,000V  |       |       |      |
| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |                        |       |       |      |
| Services                                       | LV                     | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m                  | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m                   | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m                     | 1m    | 1m    | 1.1m |

Legend

Service Cable

LV Mains

2-3.3kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Distribution Structures [Electric]

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

WARNING

There may have been subsequent alteration to the surface levels. Trial holes must be undertaken to determine position and depths of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work.

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTES G56 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)

Southern Electric Power Distribution plc

Registered Office: No.1 Forbury Place

43 Forbury Road Reading RG1 3JH

Registered In England & Wales No.04094290

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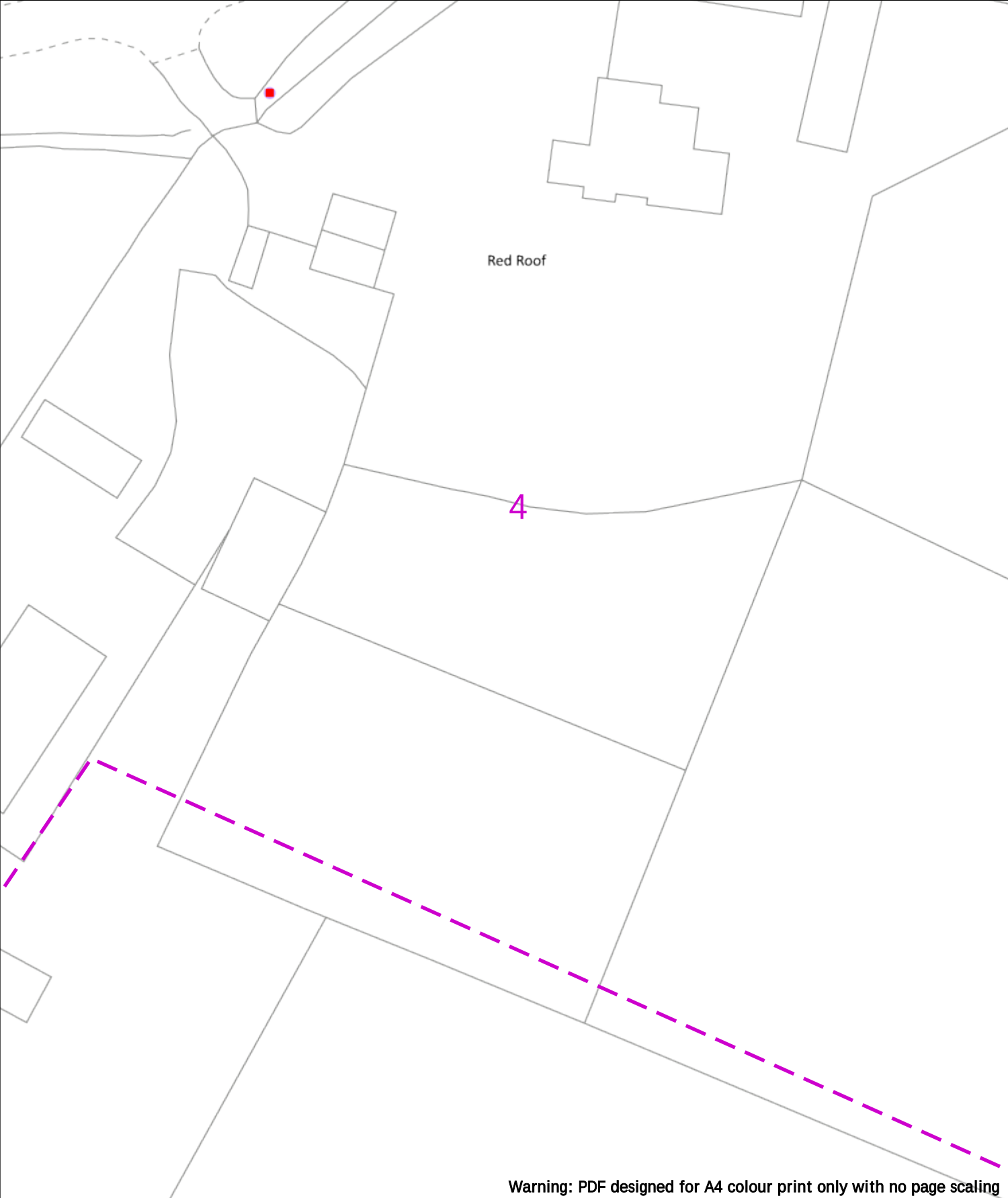
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020m

Dig Sites

Area:

Line:

Date Requested: 11/12/2024

Job Reference: 35679938

Site Location: 475506 167544

Requested by: Mrs Marcia Head

Your Scheme/Reference: 243099

| Voltages (V)                  |                        |  |  |  |
|-------------------------------|------------------------|--|--|--|
| LV (Low Voltage) and Services | Up to 1,000V           |  |  |  |
| HV (High Voltage)             | Over 1,000V to 11,000V |  |  |  |
| EHV (Extra High Voltage)      | 22,000V to 132,000V    |  |  |  |
| Transmission                  | 275,000V and 400,000V  |  |  |  |

| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |       |       |       |      |
|------------------------------------------------|-------|-------|-------|------|
| Services                                       | LV    | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m  | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m    | 1m    | 1m    | 1.1m |

Legend

Service Cable

LV Mains

2-3.3kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

Distribution Structures [Electric]

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

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Southern Electric Power Distribution plc

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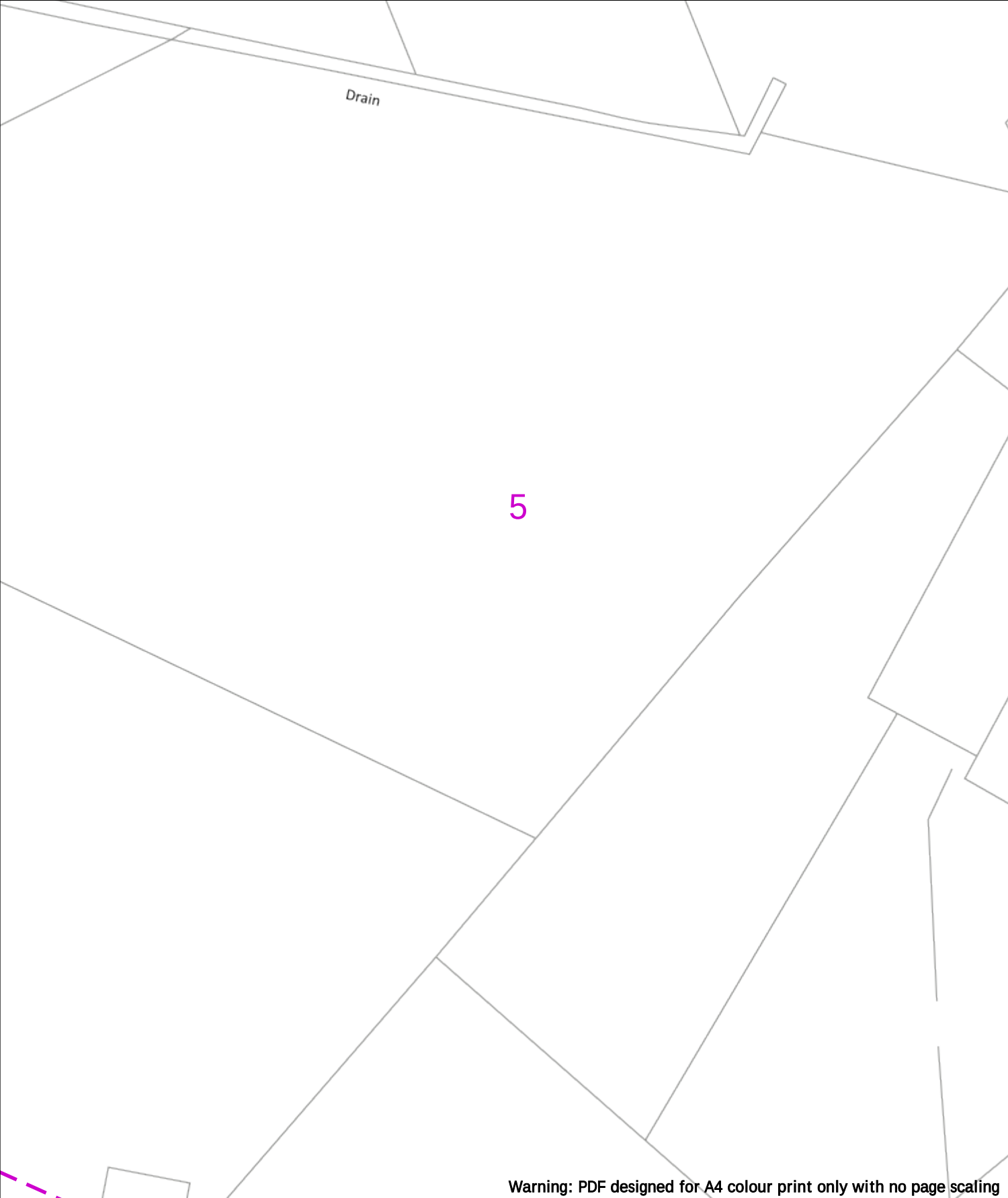
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0

20m

Dig Sites

Area:

Line:

Date Requested: 11/12/2024

Job Reference: 35679938

Site Location: 475506 167544

Requested by: Mrs Marcia Head

Your Scheme/Reference: 243099

| Voltages (V)                  |                        |  |  |  |
|-------------------------------|------------------------|--|--|--|
| LV (Low Voltage) and Services | Up to 1,000V           |  |  |  |
| HV (High Voltage)             | Over 1,000V to 11,000V |  |  |  |
| EHV (Extra High Voltage)      | 22,000V to 132,000V    |  |  |  |
| Transmission                  | 275,000V and 400,000V  |  |  |  |

| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |       |       |       |      |
|------------------------------------------------|-------|-------|-------|------|
| Services                                       | LV    | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m  | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m    | 1m    | 1m    | 1.1m |

Legend

Service Cable

LV Mains

2-3.3kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

**Distribution Structures [Electric]**

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

**Southern Electric Power Distribution plc**  
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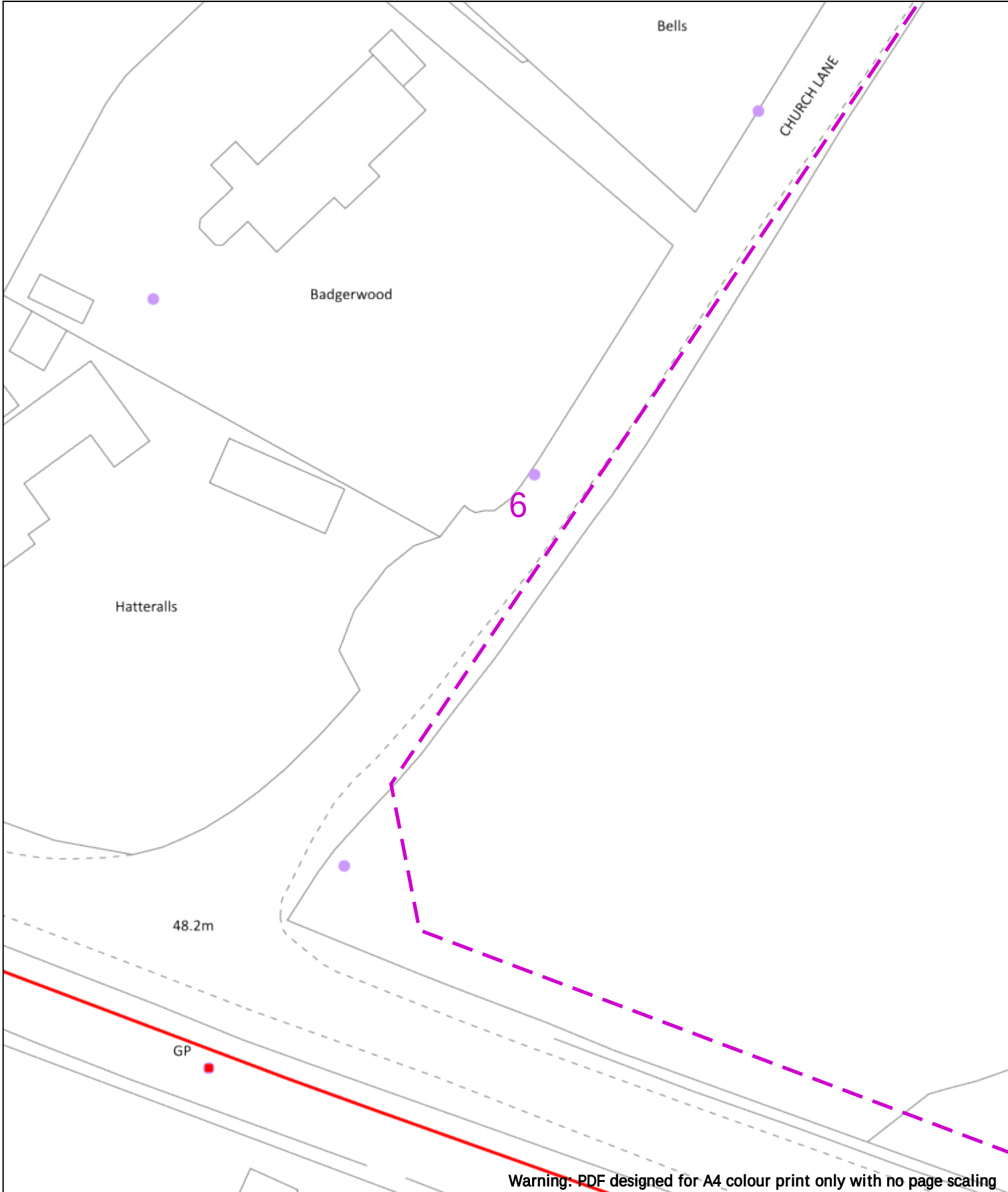
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Dig Sites

Area:

Line:

Date Requested: 11/12/2024

Job Reference: 35679938

Site Location: 475506 167544

Requested by: Mrs Marcia Head

Your Scheme/Reference: 243099

| Voltages (V)                  |                        |  |  |  |
|-------------------------------|------------------------|--|--|--|
| LV (Low Voltage) and Services | Up to 1,000V           |  |  |  |
| HV (High Voltage)             | Over 1,000V to 11,000V |  |  |  |
| EHV (Extra High Voltage)      | 22,000V to 132,000V    |  |  |  |
| Transmission                  | 275,000V and 400,000V  |  |  |  |

| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |       |       |       |      |
|------------------------------------------------|-------|-------|-------|------|
| Services                                       | LV    | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m  | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m    | 1m    | 1m    | 1.1m |

Legend

Service Cable

LV Mains

2-3.3kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

Distribution Structures [Electric]

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

Southern Electric Power Distribution plc

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Drain

7

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0 20m Dig Sites Area: Line:



Date Requested: 11/12/2024

Job Reference: 35679938

Site Location: 475506 167544

Requested by: Mrs Marcia Head

Your Scheme/Reference: 243099

Scale: 1:500 (When plotted at A4)

| Voltages (V)                                   |                        |       |       |      |
|------------------------------------------------|------------------------|-------|-------|------|
| LV (Low Voltage) and Services                  | Up to 1,000V           |       |       |      |
| HV (High Voltage)                              | Over 1,000V to 11,000V |       |       |      |
| EHV (Extra High Voltage)                       | 22,000V to 132,000V    |       |       |      |
| Transmission                                   | 275,000V and 400,000V  |       |       |      |
| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |                        |       |       |      |
|                                                | Services               | LV    | HV    | EHV  |
| Footpath/Unmade                                | 0.45m                  | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m                   | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m                     | 1m    | 1m    | 1.1m |

| Legend |               | Distribution Structures [Electric] |                                  |
|--------|---------------|------------------------------------|----------------------------------|
|        | Service Cable |                                    | Pole, Existing Location          |
|        | LV Mains      |                                    | Pole, Existing Location - Single |
|        | 2-3.3kV       |                                    | Pole, Existing Location - H      |
|        | 6.6kV         |                                    | Duct Route                       |
|        | 11kV          |                                    | Cross Section Route              |
|        | 22kV          |                                    |                                  |
|        | 33kV          |                                    |                                  |
|        | 66kV          |                                    |                                  |
|        | 132kV         |                                    |                                  |
|        | 275kV         |                                    |                                  |
|        | 400kV         |                                    |                                  |
|        | Fibre Optic   |                                    |                                  |
|        | Pilot Cable   |                                    |                                  |

**WARNING**

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020m Dig Sites Area: Line:

Date Requested: 11/12/2024  
Job Reference: 35679938  
Site Location: 475506 167544  
Requested by: Mrs Marcia Head  
Your Scheme/Reference: 243099

| Voltages (V)                  |                        |  |  |  |
|-------------------------------|------------------------|--|--|--|
| LV (Low Voltage) and Services | Up to 1,000V           |  |  |  |
| HV (High Voltage)             | Over 1,000V to 11,000V |  |  |  |
| EHV (Extra High Voltage)      | 22,000V to 132,000V    |  |  |  |
| Transmission                  | 275,000V and 400,000V  |  |  |  |

| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |       |       |       |      |
|------------------------------------------------|-------|-------|-------|------|
| Services                                       | LV    | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m  | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m    | 1m    | 1m    | 1.1m |

Legend

Service Cable

LV Mains

2-3.3kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Distribution Structures [Electric]

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

WARNING

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Scottish & Southern  
Electricity Networks

Southern Electric Power Distribution plc

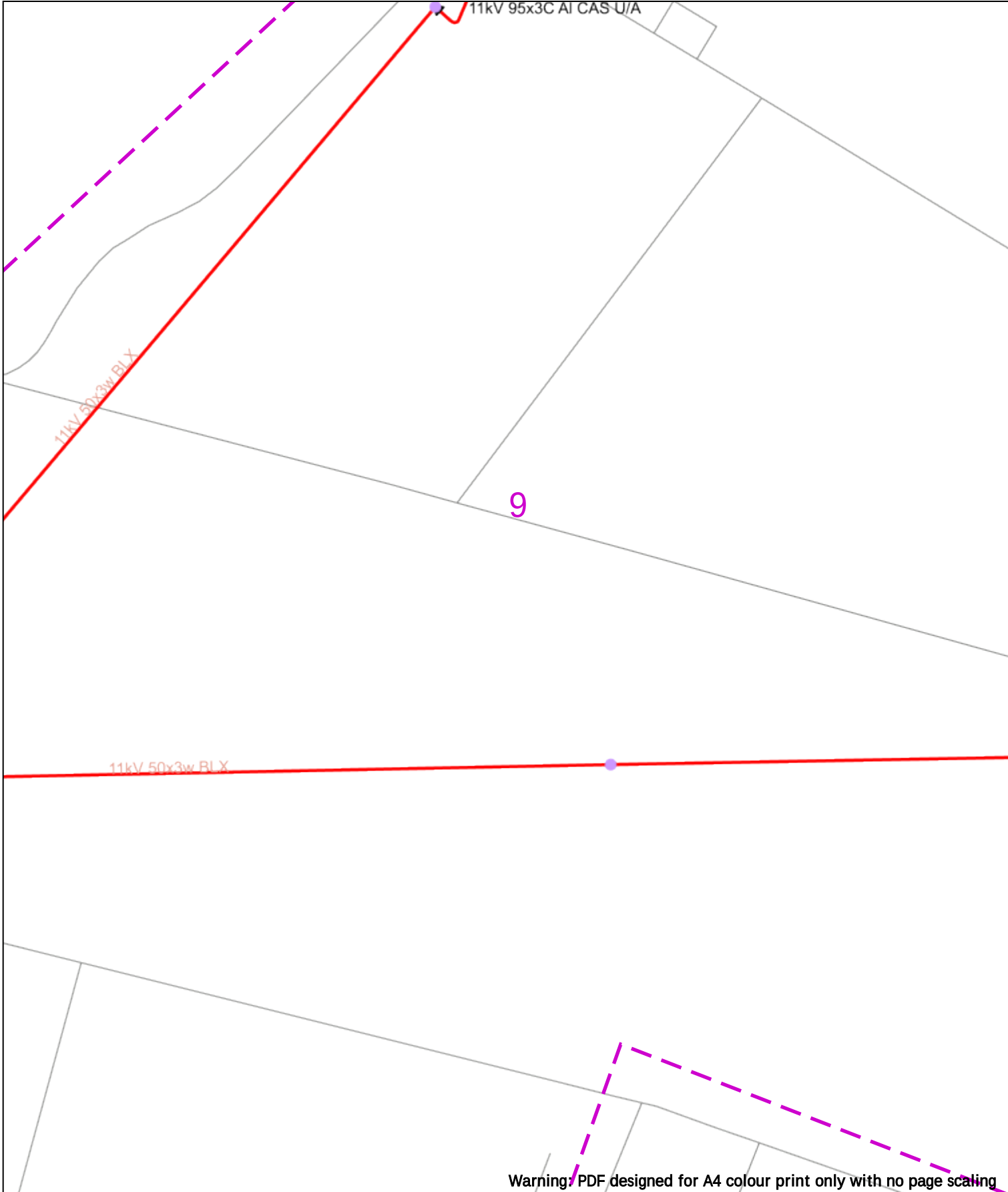
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020m

Dig Sites

Area: 

Line: 

Date Requested: 11/12/2024

Job Reference: 35679938

Site Location: 475506 167544

Requested by: Mrs Marcia Head

Your Scheme/Reference: 243099

| Voltages (V)                  |                        |  |  |  |
|-------------------------------|------------------------|--|--|--|
| LV (Low Voltage) and Services | Up to 1,000V           |  |  |  |
| HV (High Voltage)             | Over 1,000V to 11,000V |  |  |  |
| EHV (Extra High Voltage)      | 22,000V to 132,000V    |  |  |  |
| Transmission                  | 275,000V and 400,000V  |  |  |  |

| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |          |       |       |      |
|------------------------------------------------|----------|-------|-------|------|
|                                                | Services | LV    | HV    | EHV  |
| Footpath/Unmade                                | 0.45m    | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m     | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m       | 1m    | 1m    | 1.1m |

Legend

 Service Cable

 LV Mains

 2-3.3kV

 6.6kV

 11kV

 22kV

 33kV

 66kV

 132kV

 275kV

 400kV

 Fibre Optic

 Pilot Cable

 Pole, Existing Location

 Pole, Existing Location - Single

 Pole, Existing Location - H

 Duct Route

 Cross Section Route





Southern Electric Power Distribution plc

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Date Requested: 11/12/2024  
Job Reference: 35679938  
Site Location: 475506 167544  
Requested by: Mrs Marcia Head  
Your Scheme/Reference: 243099

| Voltages (V)                                   |       |       |       |      |
|------------------------------------------------|-------|-------|-------|------|
| LV (Low Voltage) and Services                  |       |       |       |      |
| Up to 1,000V                                   |       |       |       |      |
| HV (High Voltage)                              |       |       |       |      |
| Over 1,000V to 11,000V                         |       |       |       |      |
| EHV (Extra High Voltage)                       |       |       |       |      |
| 22,000V to 132,000V                            |       |       |       |      |
| Transmission                                   |       |       |       |      |
| 275,000V and 400,000V                          |       |       |       |      |
| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |       |       |       |      |
| Services                                       | LV    | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m  | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m    | 1m    | 1m    | 1.1m |

| Legend        |  | Distribution Structures [Electric] |  |
|---------------|--|------------------------------------|--|
| Service Cable |  | Pole, Existing Location            |  |
| LV Mains      |  | Pole, Existing Location - Single   |  |
| 2-3.3kV       |  | Pole, Existing Location - H        |  |
| 6.6kV         |  | Duct Route                         |  |
| 11kV          |  | Cross Section Route                |  |
| 22kV          |  |                                    |  |
| 33kV          |  |                                    |  |
| 66kV          |  |                                    |  |
| 132kV         |  |                                    |  |
| 275kV         |  |                                    |  |
| 400kV         |  |                                    |  |
| Fibre Optic   |  |                                    |  |
| Pilot Cable   |  |                                    |  |



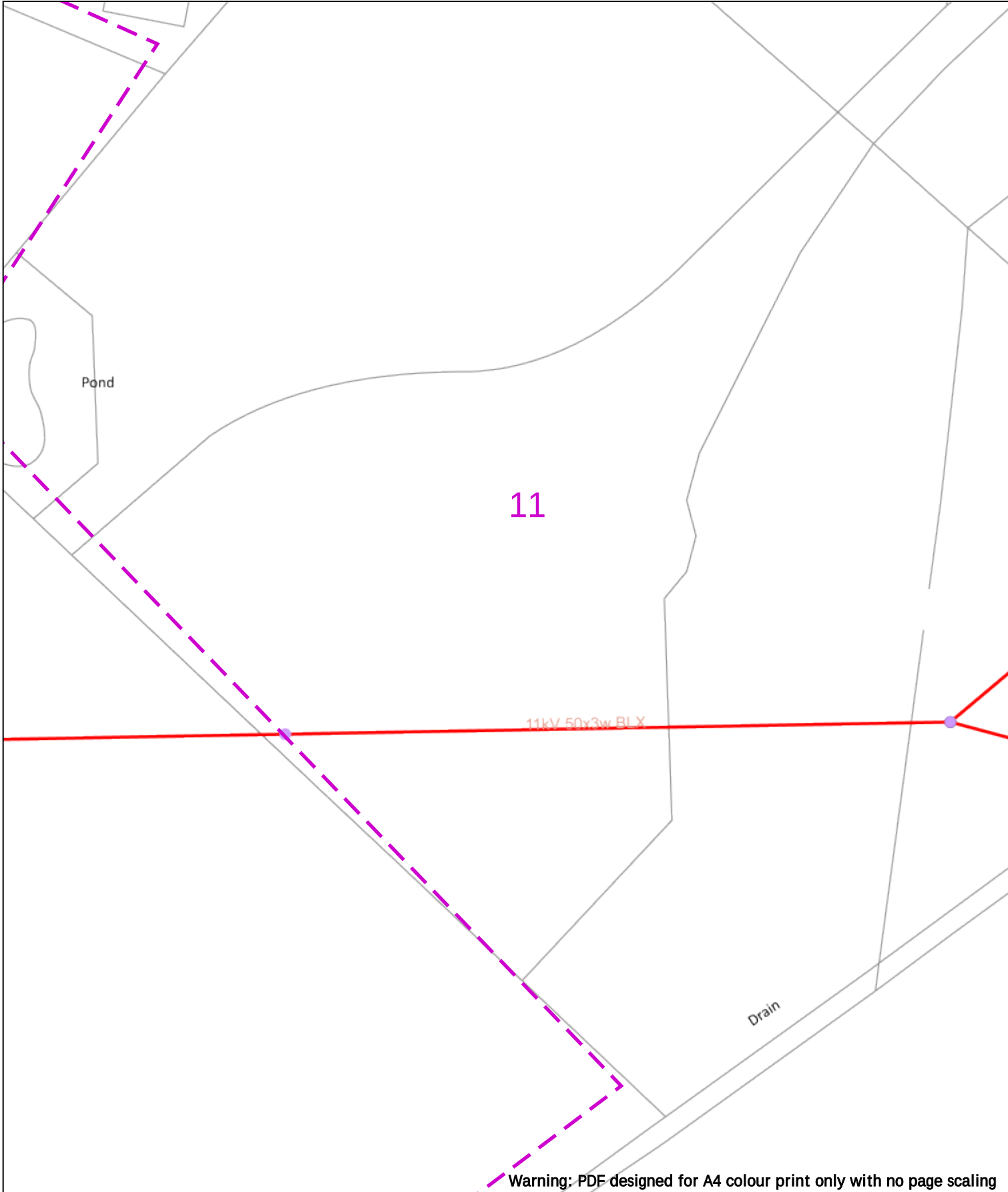
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020m

Dig Sites

Area:

Line:

Date Requested: 11/12/2024

Job Reference: 35679938

Site Location: 475506 167544

Requested by: Mrs Marcia Head

Your Scheme/Reference: 243099

| Voltages (V)                  |                        |  |  |  |
|-------------------------------|------------------------|--|--|--|
| LV (Low Voltage) and Services | Up to 1,000V           |  |  |  |
| HV (High Voltage)             | Over 1,000V to 11,000V |  |  |  |
| EHV (Extra High Voltage)      | 22,000V to 132,000V    |  |  |  |
| Transmission                  | 275,000V and 400,000V  |  |  |  |

| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |       |       |       |      |
|------------------------------------------------|-------|-------|-------|------|
| Services                                       | LV    | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m  | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m    | 1m    | 1m    | 1.1m |

Legend

Service Cable

LV Mains

2-3.3kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

Distribution Structures [Electric]

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

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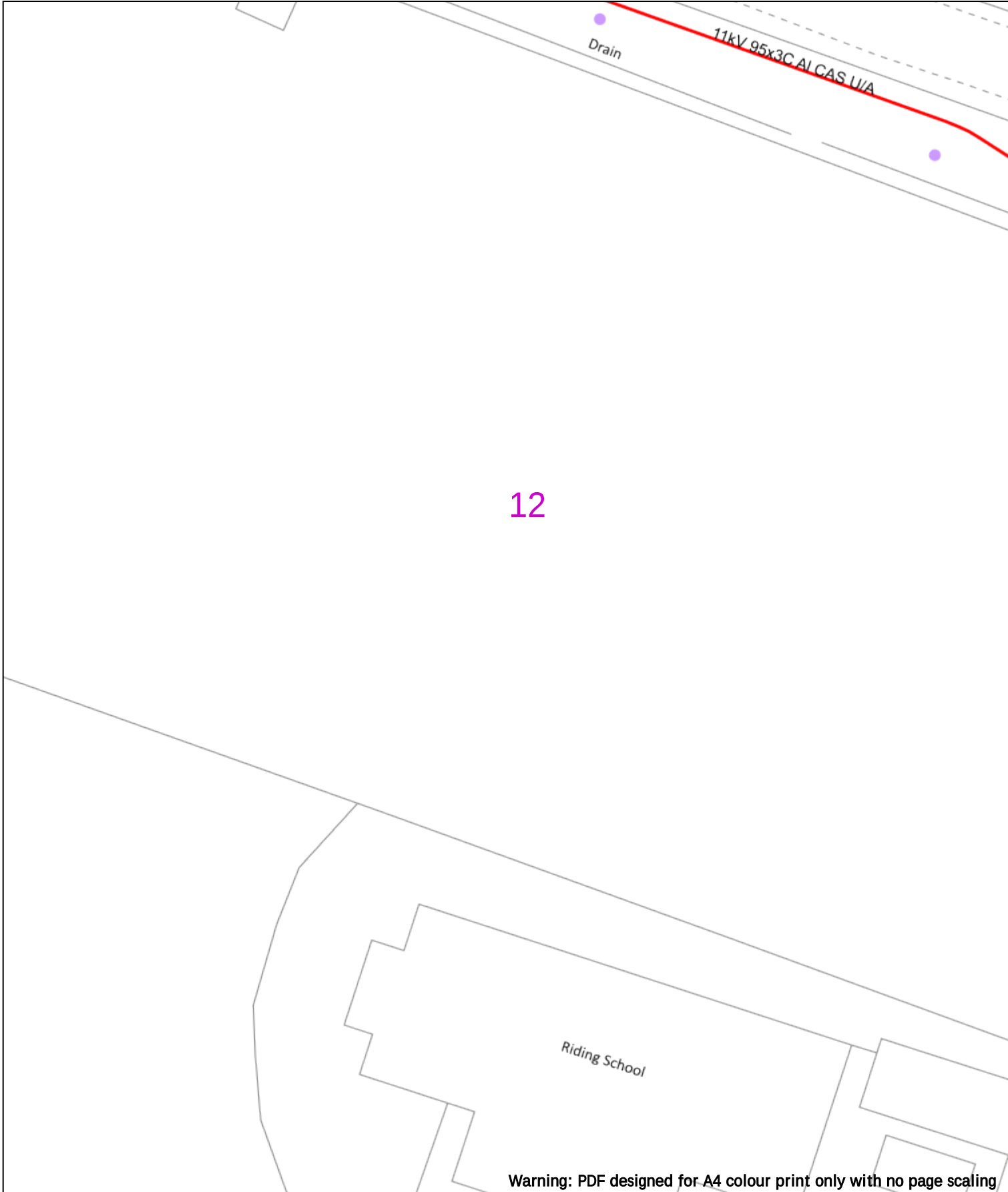
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WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTES G56 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)

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020m

Dig Sites

Area: 

Line: 

Date Requested: 11/12/2024

Job Reference: 35679938

Site Location: 475506 167544

Requested by: Mrs Marcia Head

Your Scheme/Reference: 243099

| Voltages (V)                  |                        |  |  |  |
|-------------------------------|------------------------|--|--|--|
| LV (Low Voltage) and Services | Up to 1,000V           |  |  |  |
| HV (High Voltage)             | Over 1,000V to 11,000V |  |  |  |
| EHV (Extra High Voltage)      | 22,000V to 132,000V    |  |  |  |
| Transmission                  | 275,000V and 400,000V  |  |  |  |

| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |       |       |       |      |
|------------------------------------------------|-------|-------|-------|------|
| Services                                       | LV    | HV    | EHV   |      |
| Footpath/Unmade                                | 0.45m | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m  | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m    | 1m    | 1m    | 1.1m |

Legend

 Service Cable

 LV Mains

 2-3.3kV

 6.6kV

 11kV

 22kV

 33kV

 66kV

 132kV

 275kV

 400kV

 Fibre Optic

 Pilot Cable

 Pole, Existing Location

 Pole, Existing Location - Single

 Pole, Existing Location - H

 Duct Route

 Cross Section Route





Southern Electric Power Distribution plc

Registered Office: No.1 Forbury Place

43 Forbury Road Reading RG1 3JH

Registered In England & Wales No.04094290

If you're unsure & need to seek advice before commencing excavations, please contact:

General Enquiries: 0800 048 3516

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[Asset.Data@sse.com](mailto:Asset.Data@sse.com)

01256 337 294

Scale: 1:500 (When plotted at A4)

WARNING

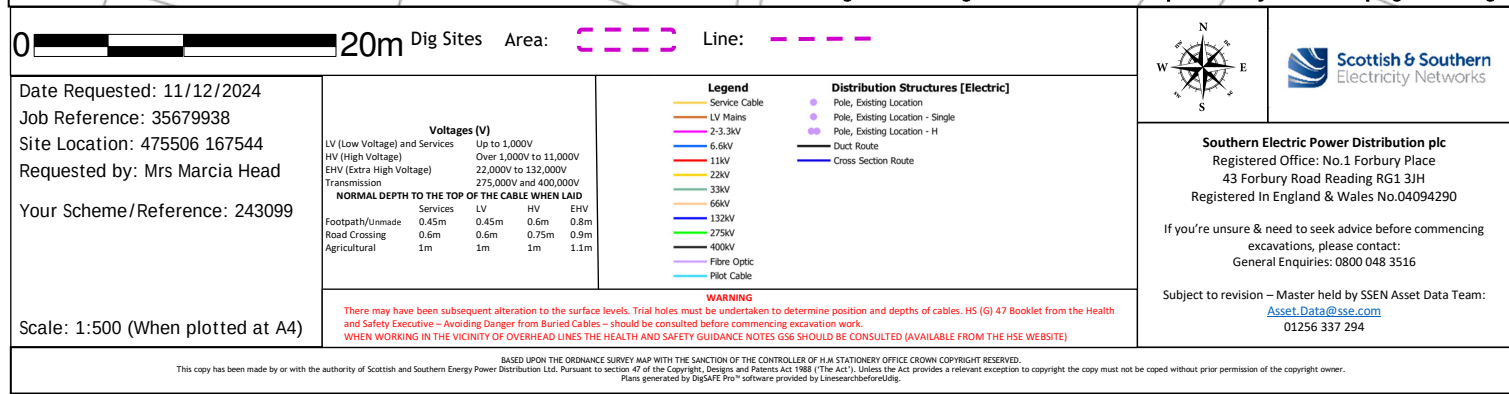
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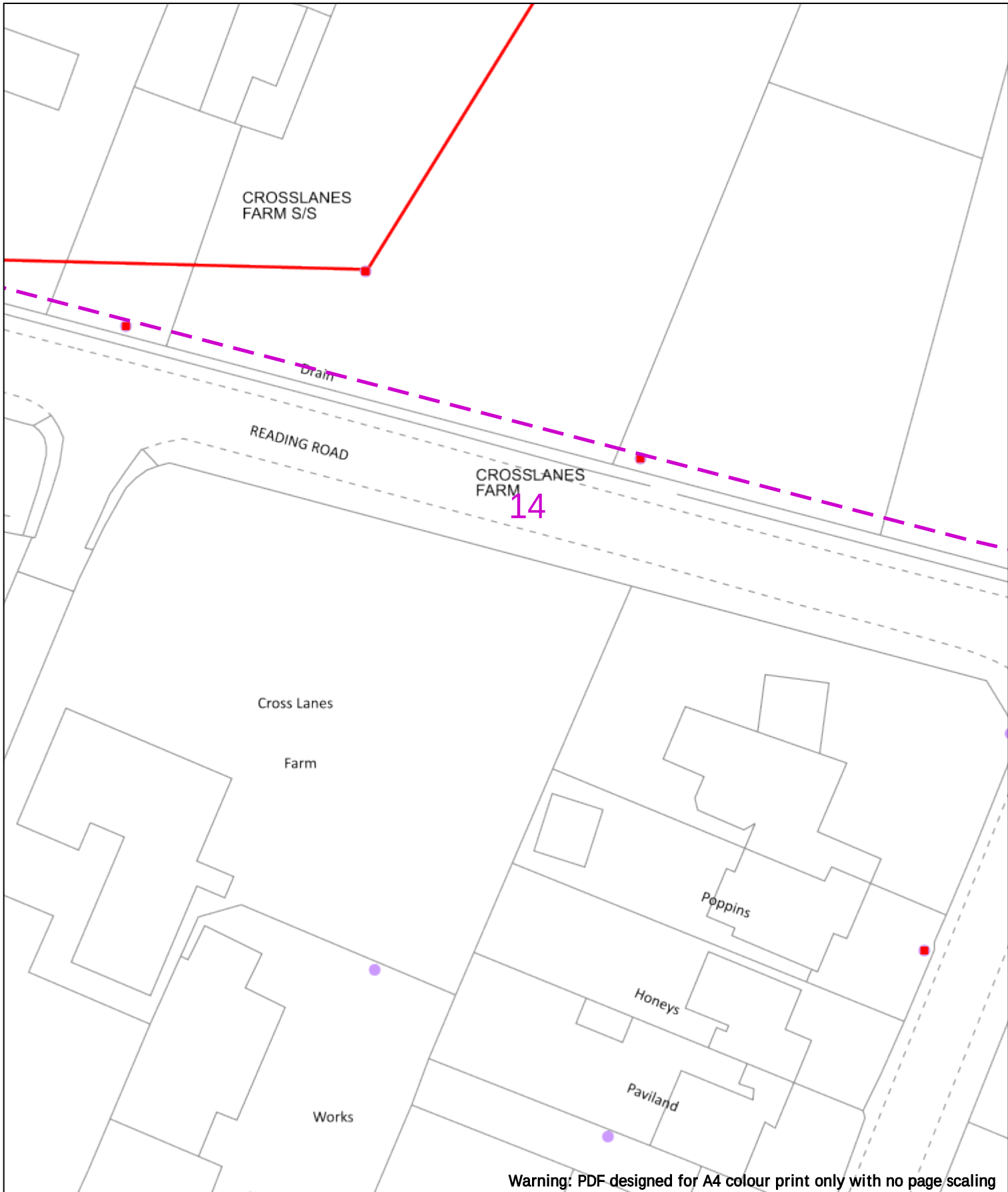
WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTES G56 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)

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020m Dig Sites Area: Line:

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Site Location: 475506 167544

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Scale: 1:500 (When plotted at A4)

Voltages (V)

LV (Low Voltage) and Services

Up to 1,000V

HV (High Voltage)

Over 1,000V to 11,000V

EHV (Extra High Voltage)

22,000V to 132,000V

Transmission

275,000V and 400,000V

NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID

Services

LV

0.45m

0.45m

0.6m

0.8m

Footpath/Unmade

0.6m

0.6m

0.75m

0.9m

Road Crossing

1m

1m

1m

1.1m

Agricultural

Legend

Service Cable

LV Mains

2-3.3kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Distribution Structures [Electric]

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

WARNING

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WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTES G56 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)

N

E

S

W

Scottish & Southern Electricity Networks

Southern Electric Power Distribution plc

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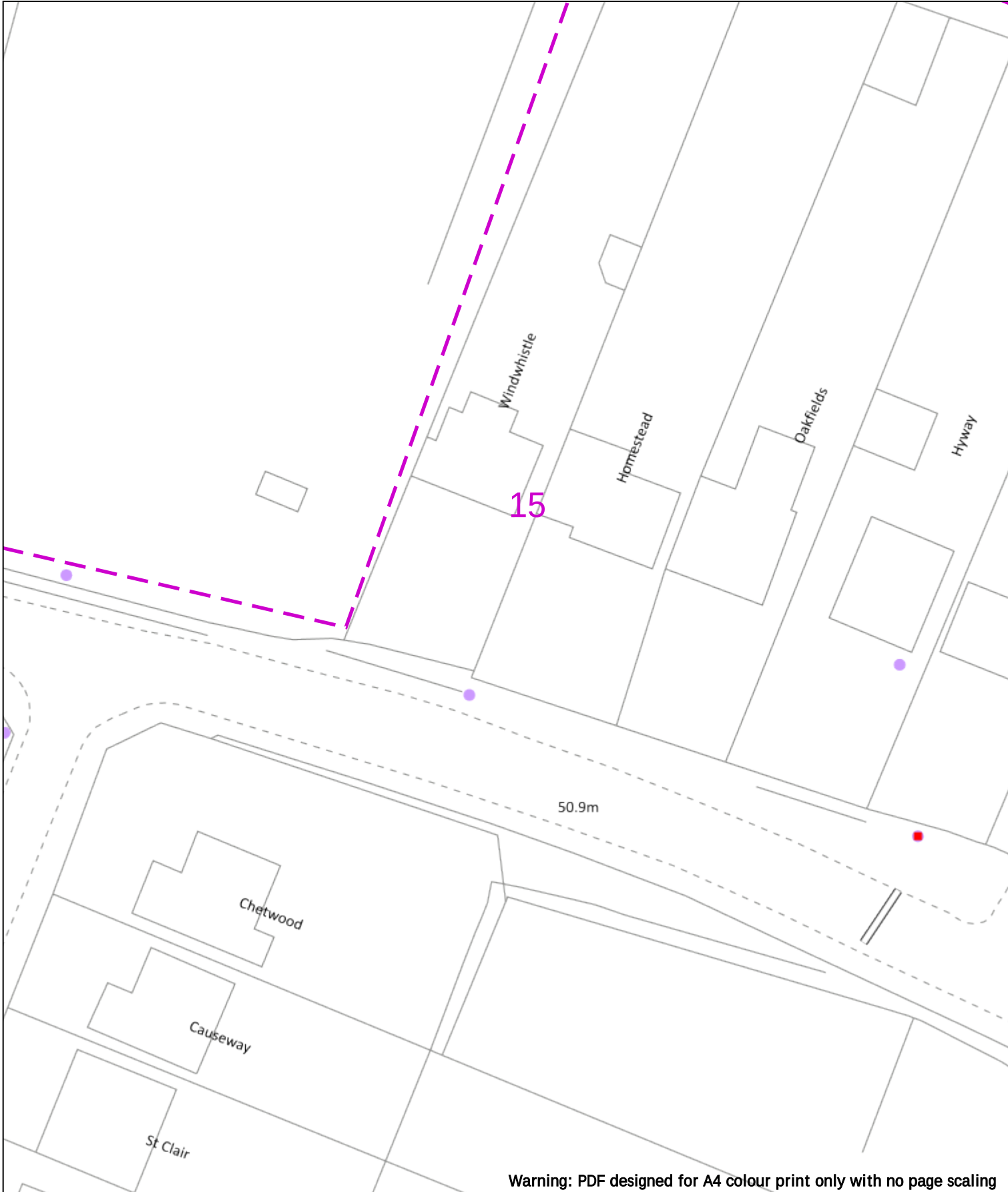
[Asset.Data@sse.com](mailto:Asset.Data@sse.com)

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| NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID |          |       |       |      |
|------------------------------------------------|----------|-------|-------|------|
|                                                | Services | LV    | HV    | EHV  |
| Footpath/Unmade                                | 0.45m    | 0.45m | 0.6m  | 0.8m |
| Road Crossing                                  | 0.6m     | 0.6m  | 0.75m | 0.9m |
| Agricultural                                   | 1m       | 1m    | 1m    | 1.1m |

Legend

Service Cable

LV Mains

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6.6kV

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Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

Distribution Structures [Electric]

Pole, Existing Location

Pole, Existing Location - Single

Pole, Existing Location - H

Duct Route

Cross Section Route

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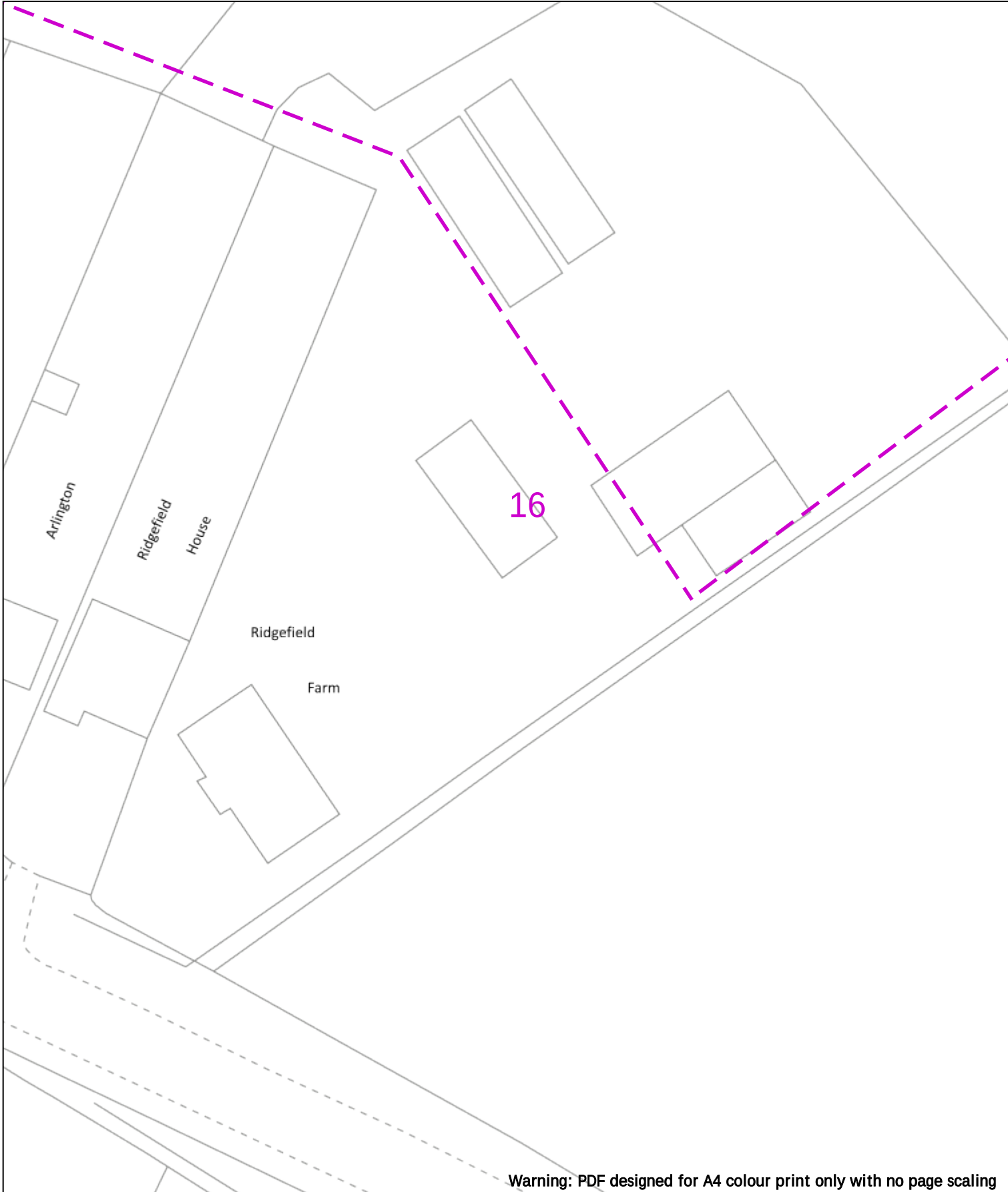
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Distribution Structures [Electric]

 Pole, Existing Location

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|                                   |  |     |  |           |       |  |       |  |
|-----------------------------------|--|-----|--|-----------|-------|--|-------|--|
| 0                                 |  | 20m |  | Dig Sites | Area: |  | Line: |  |
| Date Requested: 11/12/2024        |  |     |  |           |       |  |       |  |
| Job Reference: 35679938           |  |     |  |           |       |  |       |  |
| Site Location: 475506 167544      |  |     |  |           |       |  |       |  |
| Requested by: Mrs Marcia Head     |  |     |  |           |       |  |       |  |
| Your Scheme/Reference: 243099     |  |     |  |           |       |  |       |  |
|                                   |  |     |  |           |       |  |       |  |
| Scale: 1:500 (When plotted at A4) |  |     |  |           |       |  |       |  |



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 01256 337 294

## GUIDE TO INTERPRETING MAINS RECORDS PLAN



## **INTRODUCTION**

The Health & Safety Executive have produced a document entitled 'Avoiding danger from underground services'. Copies are available from HMSO's accredited agents and good booksellers, Ref HS(G)47, ISBN 0118854925.

**WHEN WORKING IN THE VICINITY OF ELECTRICITY CABLES AND OVERHEAD LINES PLEASE FOLLOW THE DO'S & DON'T'S LISTED BELOW.**

### **DO'S**

- Do** Make sure that you have plans of the cables in the area before any excavation work starts. Remember that some cables such as service cables may not be shown on the plans. Cables owned by other companies are not shown, e.g. local authorities, Department of the Environment, National Grid Co. etc.
- Do** Make sure that you understand the plans that have been supplied to you. For detailed explanation of the symbols used by Scottish & Southern Electricity Networks Distribution (SSEN Distribution) refer to this guide & the key shown on the plan
- Do** Use a cable avoidance tool (CAT) to determine the position of the existing cables in the work area. The positions should be clearly marked, and further tests made as work proceeds. **If in doubt, get advice from your supervisor.**
- Do** Hand dig trial holes over the indicated route of the cable, excavate alongside.
- Do** Ask for a cable to be made dead if it is buried in concrete. Please note that this is likely to be a costly process.
- Do** Watch for signs of cables as work progresses, such as marker tapes or cable covers which may be exposed.
- Do** Backfill carefully using stone free soil around cables, replacing marker tapes and covers.

- Do** Ensure that there is maximum clearance above all cable & joints.
- Do** Notify SSEN Distribution immediately should accidental damage to cables occur however large or small. Arrange to keep people well clear of the cable that has been damaged. Do not backfill an area where cable damage has occurred.

## **DON'T'S**

- Don't** Operate a bulldozer, scraper, dragline or excavator unless you are satisfied that there are no buried cables or overhead lines in the working area.
- Don't** Use picks, forks or pointed instruments in soft clay or soil where cables are present, exercise extreme caution where such instruments are used to free lumps of stone or to break up firmly compacted ground.
- Don't** Use exposed cables as a convenient step or handhold.
- Don't** Handle or attempt to alter the position of any cable.

**REMEMBER THAT A DAMAGED CABLE MAY CAUSE EXTENSIVE LOSS OF SUPPLIES, MAKE EXPENSIVE REPAIRS NECESSARY AND CAUSE SERIOUS OR EVEN FATAL INJURY.**

**IF IN DOUBT ASK SSEN DISTRIBUTION**

## **UNDERSTANDING THE INFORMATION ON THE PLANS.**

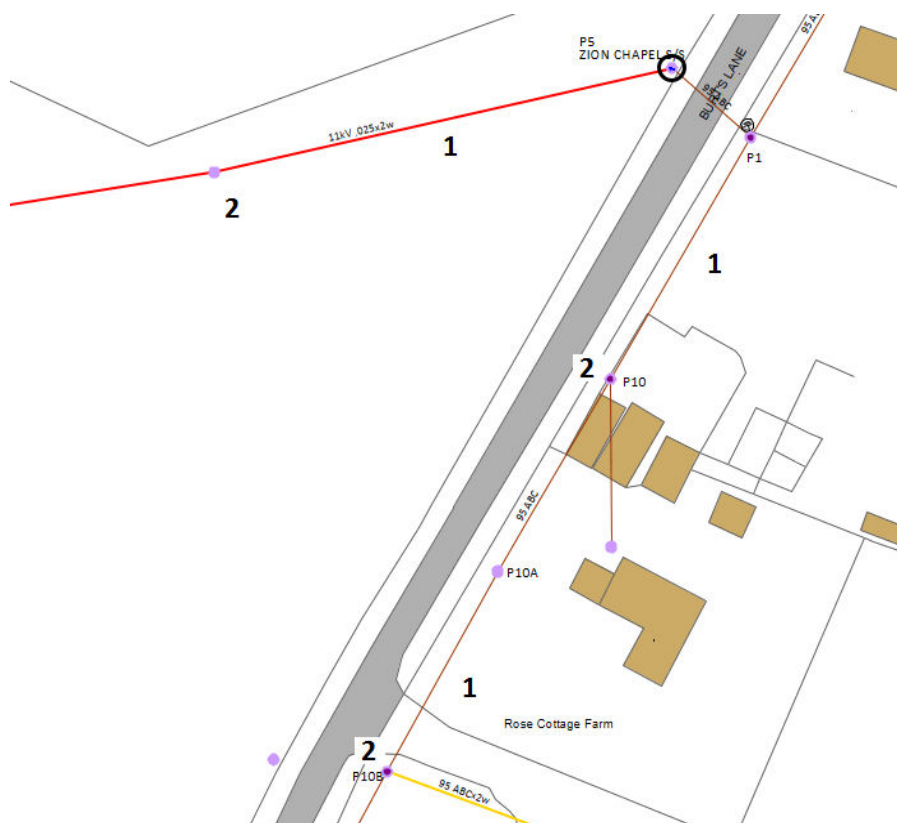
AVERAGE DEPTH OF CABLES: Footpaths 0.6 metres

Road Crossings 0.75metres

NB These depths are only approximate, depths may vary. It should also be noted that surface levels can change subsequent to the cables being laid.

**Mains records symbols definitions and examples:**

**A. Overhead lines & Poles – These are depicted as follows:**



1. Overhead Line – These can be either High Voltage or Low Voltage, colour denotes voltage.
2. Poles.
3. Pole Mounted Transformer.

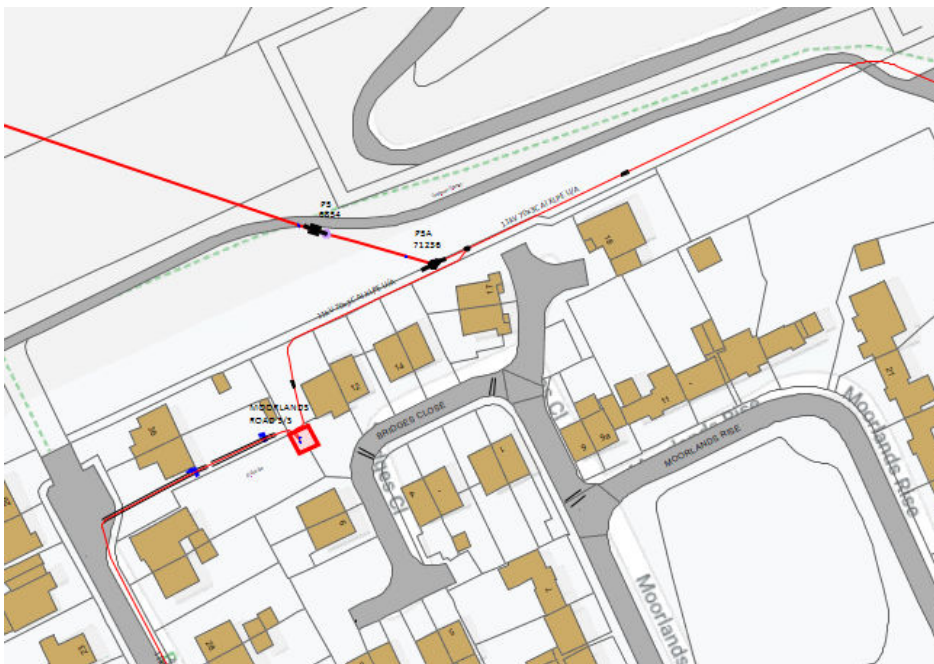
**B. Typical example of Low Voltage cable records:**



1. Sub Station
2. Low Voltage Underground cable.
3. Link Boxes: This is a box with a manhole cover marked as belonging to SSEN Distribution containing links. Either two or four cables will lead away from a link box.
4. Straight Joint: This is where two separate cables are joined together.
5. Breech Joint: This is where another cable is attached to the main.
6. Pot End: This is the end of the cable. In certain circumstances service cables to properties can be taken from the pot end. These services may not be shown on the plans.
7. Road crossing duct where a cable is routed under a path or road.
8. Cable terminations/Pole Box: Where underground cables are connected to overhead lines
9. Overhead line.
10. Street Lamps.

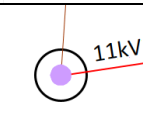
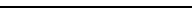
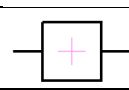
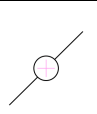
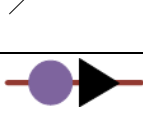
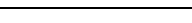
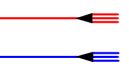
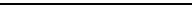
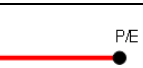
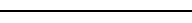
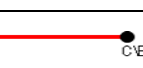
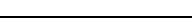
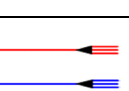
11. Services to properties: The service cable to an individual property are not always shown on the mains records that SSEN Distribution supply.  
In some cases, a service can be looped from an adjacent property.

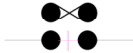
**C) Typical example of High Voltage cable record.**



1. Sub Station
2. High Voltage Underground cable – Colour denotes voltage.
3. Straight Joint: This is where two separate cables are joined together.
4. Breech Joint: This is where another cable is attached to the main.
5. Cable terminations/Pole Box: Where underground cables are connected to overhead lines
6. Overhead Switch.

## SSEN DISTRIBUTION ELECTRIC SYMBOLS

|                                     |                                                                                     |                                   |                                                                                       |
|-------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------|
| Service cable                       |    | Single Poles                      |    |
| LV Mains                            |    | H Poles                           |    |
| LV Mains and Services (Split Phase) |    | 3 Poles                           |    |
| 2-3.3kV                             |    | Tower                             |    |
| 6.6kV                               |    | Pole Mounted Transformer          |   |
| 11kV                                |  | Circuit Breaker                   |  |
| 22kV                                |  | Switch Disconnector/ OH Air Break |  |
| 33kV                                |  | Pole Box                          |  |
| 66kV                                |  | Straight Joint                    |  |
| 132kV                               |  | Mains Breech Joint (Tee)          |  |
| Fibre Optic                         |  | Service Breech Joint              |  |
| Pilot Cable                         |  | Trifurcating Joint                |  |
| Assumed Route                       |  | Pot End                           |  |
| Out of Service                      |  | Capped End                        |  |
| Ducting                             |  | Sealing End                       |  |

|                         |                                                                                     |                     |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------|
| Service Connector Joint |    | Surge Diverters     |    |
| Overhead Connector      |    | Pillar              |    |
| Wall Box Joint          |    | Substation          |    |
| Flying Stay             |    | Non Electrical Item |    |
| Stay                    |    | Street Furniture    |    |
| PME Earth               |   | LV Link Box         |   |
| Neutral Earth           |  | LV Supply Point     |  |
| Pit                     |  | ASLs                |  |
| Other Network           |  | Embedded Network    |  |

## Watch it!

### Safety advice brought to you by

#### Scottish and Southern Electricity Networks Distribution (SSEN Distribution)

These notes are intended to help all those who have to work in the vicinity of electrical apparatus. Employers have a legal obligation to ensure that their operatives are fully instructed in the correct procedures.

**The Electricity at Work Regulations 1989** impose health and safety requirements upon employers, employees and self-employed persons with respect to electricity at work. The regulations impose restrictions on persons being engaged in work activities on or near live conductors.

**Regulation 14 requires that:** "No person shall be engaged in any work activity on or near any live conductor (other than one suitably covered with insulating material so as to prevent danger) that danger may arise unless:

- ♦ it is **unreasonable** in all circumstances for it to be dead; and
- ♦ it is **reasonable** in all circumstances for him to be at work on or near it while it is live; and
- ♦ suitable precautions (including where necessary the provision of suitable protective equipment) are taken to prevent injury."

The purpose of the regulations is to require precautions to be taken against the risk of death or personal injury from electricity in work activities.

#### Publications

The Health and Safety Executive have produced a document entitled 'Avoiding Danger from Underground Services', and the Appendix 1 deals specifically with electric cables. Copies are available from the HSE's Accredited Agents and good booksellers, Ref. HS (G) 47.

Copies of Health and Safety Guidance note GS 6 relating to safe working in proximity to overhead lines, are available from the Health and Safety Executive's website - [www.hse.gov.uk](http://www.hse.gov.uk).

#### Note

**In situations of emergency or danger, or where the advice contained in these notes cannot be followed, you must consult SSEN Distribution immediately. Tel. 0800 0727282 for southern England or 0800 300999 for Scotland.**

**Additional copies of these "Watch it!" leaflets can be obtained from our Asset Data Team office upon request. Tel. 01256 337294, or [asset.data@sse.com](mailto:asset.data@sse.com).**

You must read and accept the following safety notes as part of the contract to receive our network plans. You will have the option to print these and issue them to site staff.

### Watch it! - Working in the vicinity of underground cables

Our plans show the positions and normal depths for the buried cables and pipes at the time when they were installed. However, alterations to road alignments surface levels and buildings may have occurred subsequently without our knowledge. If you discover plant or cables that are not marked or incorrectly marked, then you are required to contact us as soon as possible to give us the opportunity to amend our plans.

These plans show the equipment owned by SSEN Distribution. There may be other privately owned plant in the area, which is outside of our control. You should always check with the Local Authority, National Grid Company, Department of the Environment, other Electricity Companies and other utilities before proceeding.

It is not intended that the issue of these plans will absolve either party from their obligation under any of the acts that control digging in the public highways.

#### Supplies To Properties, etc.

The location of cables supplying individual properties, street lighting, traffic signs, telephone kiosks etc. are not always shown on the plans. You should assume that each property, streetlight etc. will have its own supply cable.

#### Major Circuits

Where our plans indicate the presence of cables with a voltage exceeding 11,000 volts, you are advised to contact our local depot (telephone number is on the plans), before commencing any excavations within the vicinity of these cables. These major circuits form an extremely important link in SSEN Distributions' networks, damaging or modifying these circuits is a major and costly undertaking. Any development should therefore be designed to allow these circuits to remain undisturbed and accessible in their present location.

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below:

- ✓ **do** make sure you have plans of the underground cables in the area **before** any excavation work starts. Remember that some cables may not be shown on plans. If carrying out emergency work, excavate as though there are buried live cables in the vicinity.
- ✓ **do** use a cable locator to determine the position of existing cables in the work area. The positions should be marked and tests made as work proceeds. **If in doubt, get advice from your supervisor.**
- ✓ **do** ask for a cable to be made dead if it is buried in concrete.

- ✓ **do** backfill carefully, using stone-free soil around the cables, replacing marker-tapes and / or covers.
- ✓ **do** notify us immediately if you accidentally damage our cables. Arrange to keep people well clear of a cable that has been damaged until we have confirmed it has been made safe.
- ✓ **do** make sure before starting to demolish a building that all cables have been disconnected. We welcome prior notice of the intention to demolish buildings. This enables us to ensure that the site has been made safe electrically.
- ✓ **don't** operate a bulldozer, scraper, dragline or excavator; unless you are satisfied that there are no buried cables in the working area.
- ✓ **don't** use picks, pins, forks or pointed instruments in soft clay or soil when cables are present. Exercise extreme caution where such instruments are used to free lumps of stone, or break up firmly compacted ground. **Never** throw a fork or sharp instrument into the ground.
- ✓ **don't** dig trial holes over the indicated route of the cable. Excavate alongside instead.
- ✓ **don't** use exposed cables as a convenient step or handhold.
- ✓ **don't** handle or attempt to alter the position of any cable.

**Remember** that a damaged cable may cause extensive loss of supplies, make expensive repairs necessary and cause serious or even fatal injury.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make cables dead without interrupting supplies to our customers. But given adequate notice, we will wherever possible, give advice regarding special precautions which may be necessary on any site where particular problems are likely to be encountered. The right is reserved to make a charge for this service.

Electricity cables can exist anywhere - under paths or roads, in gardens or driveways, on new housing or industrial development sites or even farmland.

### **Watch it! - Working in the vicinity of overhead lines**

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below

- ✓ **do** carefully note the position of all overhead lines before commencing work.
- ✓ **do** co-operate with us during planning and sitework stages.
- ✓ **do** follow the advice given in HSE Guidance Note GS 6 when siting barriers, goal posts, bunting etc.
- ✓ **do** keep overhead lines in view when moving scaffolding or machinery and take special care when felling or lopping trees.
- ✓ **do** remember that the raising or slewing of a crane or excavator jib may cause danger when operating near an overhead line.

- ✓ **do** avoid any machinery that is in contact with an overhead line until we confirm that conditions are safe.
- ✓ **do** warn others to keep well clear.
- ✓ **don't** drive a high vehicle below an overhead line when an alternative route is available.
- ✓ **don't** raise the bed of a tipper lorry beneath an overhead line or drive under the line with the body of the vehicle raised.
- ✓ **don't** steady any suspended load until you are satisfied that there is no danger from overhead lines.
- ✓ **don't** handle or use scaffold platforms, poles, pipes or ladders unless they are at a safe distance from overhead lines.
- ✓ **don't** transport long objects beneath overhead lines, unless they are carried in a horizontal position.
- ✓ **don't** approach or touch any broken or fallen overhead lines.

### **Always remember that:**

- Electricity can jump gaps.
- Contact or near contact with a crane jib, scaffold or ladder can cause a discharge of electricity with a risk of fatal or severe shock and burns to any person in the vicinity.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make overhead lines dead without interrupting supplies to customers. However, provided adequate notice is given, then we will, whenever possible, give advice regarding special precautions which may be necessary on site where specific problems may be encountered. The right is reserved to make a charge for this service.

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