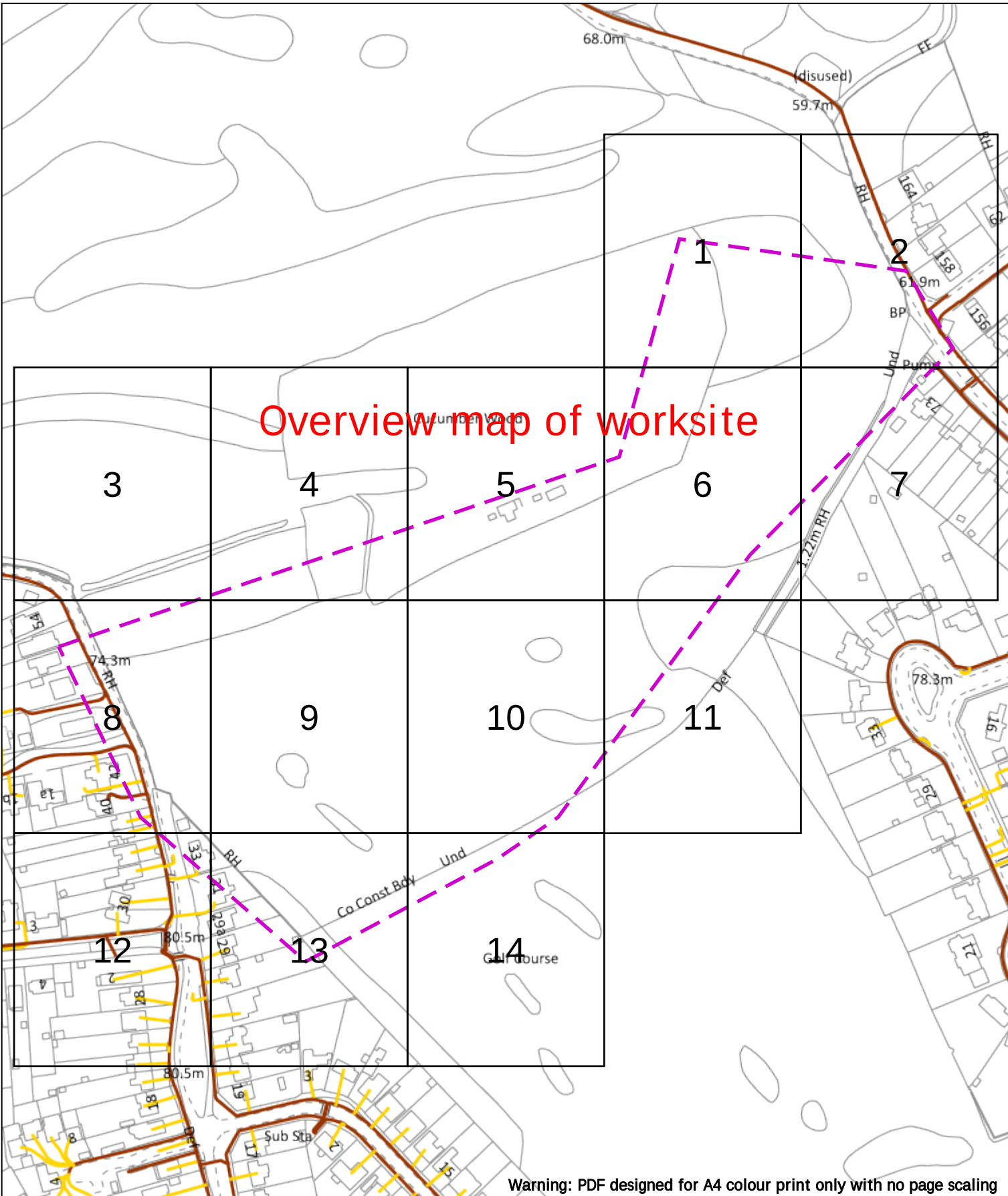
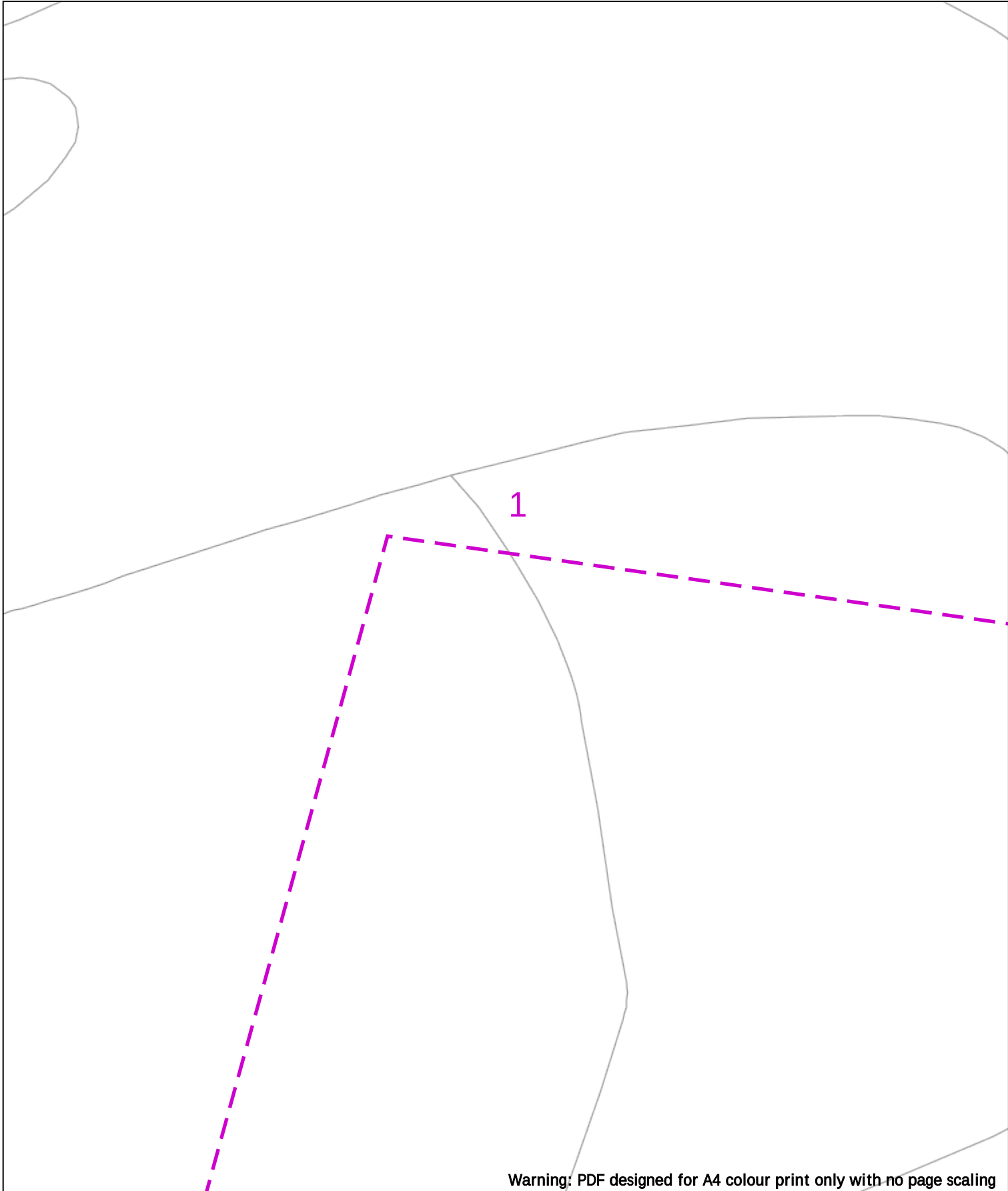




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Dig Sites Area:  Line: 		 																								
Date Requested: 05/08/2022 Job Reference: 26508055 Site Location: 471389 177088 Requested by: Mr Aaron Nickless Your Scheme/Reference: 424345	Voltages (V) <table><tr><td>LV (Low Voltage) and Services</td><td>Up to 1,000V</td></tr><tr><td>HV (High Voltage)</td><td>Over 1,000V to 11,000V</td></tr><tr><td>EHV (Extra High Voltage)</td><td>22,000V to 132,000V</td></tr><tr><td>Transmission</td><td>275,000V and 400,000V</td></tr></table> NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID <table><tr><td>Services</td><td>LV</td><td>HV</td><td>EHV</td></tr><tr><td>Footpath/Unmade</td><td>0.45m</td><td>0.45m</td><td>0.6m</td></tr><tr><td>Road Crossing</td><td>0.6m</td><td>0.6m</td><td>0.75m</td></tr><tr><td>Agricultural</td><td>1m</td><td>1m</td><td>1.1m</td></tr></table>	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	Services	LV	HV	EHV	Footpath/Unmade	0.45m	0.45m	0.6m	Road Crossing	0.6m	0.6m	0.75m	Agricultural	1m	1m	1.1m	Legend - Service Cable - LV Mains 2-33kV 6.6kV 11kV 22kV 33kV 66kV 132kV 275kV 400kV - Fibre Optic - Pilot Cable Distribution Structures (Electric) - Pole, Existing Location - Pole Structure, Existing Location - Single - Pole Structure, 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)
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Agricultural	1m	1m	1.1m																							
Scale: 1:2562 (When plotted at A4)		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 Subject to revision – Master held by SSEN Asset Data Team: Asset.Data@sse.com 01256 337 294																								



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020m Dig Sites

Area: 

Line: 

Date Requested: 05/08/2022

Job Reference: 26508055

Site Location: 471389 177088

Requested by: Mr Aaron Nickless

Your Scheme/Reference: 424345

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			

Services	NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID			
	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 Structure, Existing Location - Single

 Pole Structure, Existing Location - H

 Duct Route

 Cross Section Route





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020m

Dig Sites

Area:

Line:

Date Requested: 05/08/2022

Job Reference: 26508055

Site Location: 471389 177088

Requested by: Mr Aaron Nickless

Your Scheme/Reference: 424345

Voltages (V)				
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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 Structure, Existing Location - Single

Pole Structure, Existing Location - H

Duct Route

Cross Section Route

WARNING

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Job Reference: 26508055
Site Location: 471389 177088
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Road Crossing	0.6m	0.6m	0.75m	0.9m
Agricultural	1m	1m	1m	1.1m

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

Distribution Structures (Electric)	
Pole, Existing Location	
Pole Structure, Existing Location - Single	
Pole Structure, Existing Location - H	
Duct Route	
Cross Section Route	



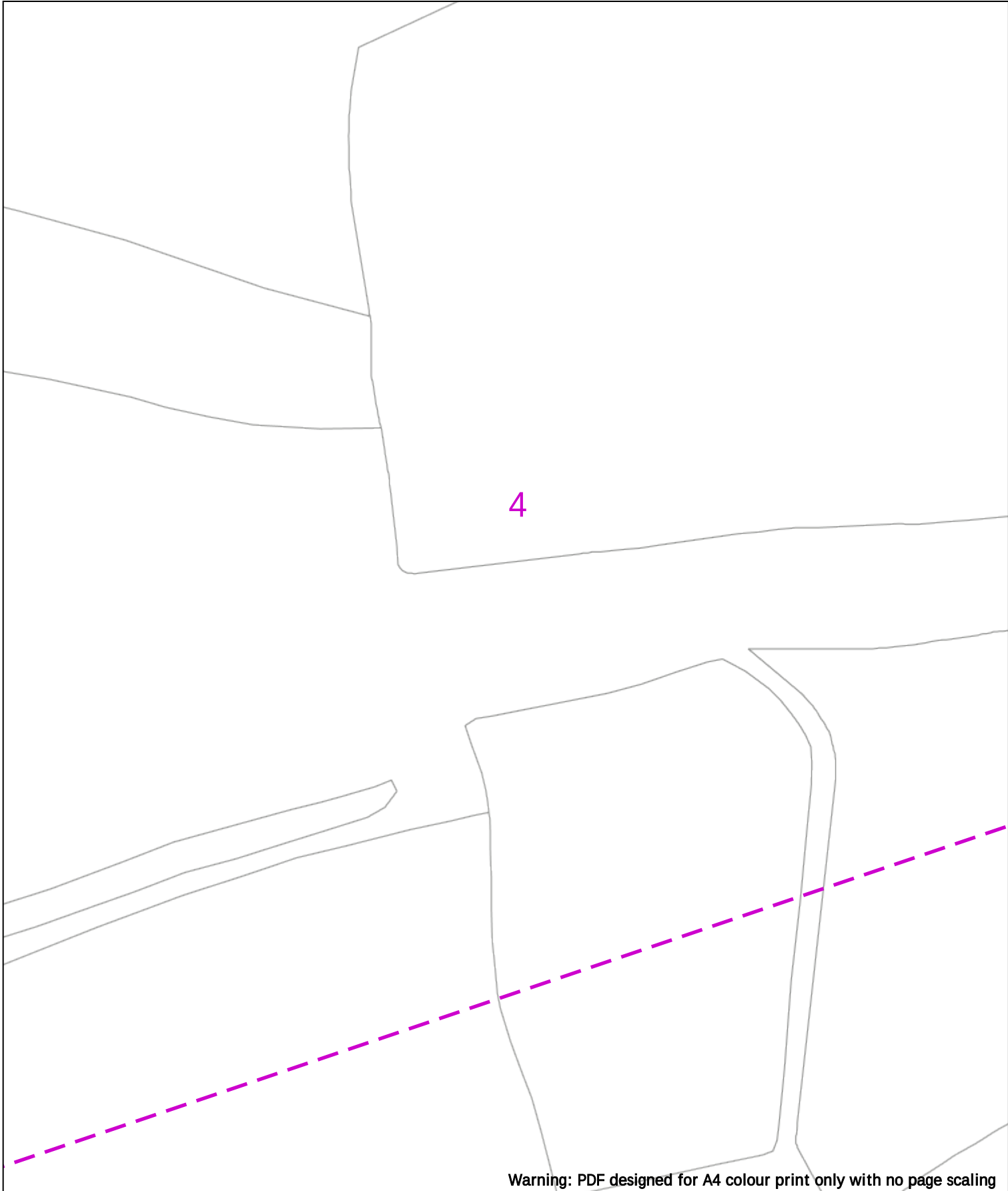
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020m Dig Sites

Area: 

Line: 

Date Requested: 05/08/2022

Job Reference: 26508055

Site Location: 471389 177088

Requested by: Mr Aaron Nickless

Your Scheme/Reference: 424345

Voltages (V)				
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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 Structure, Existing Location - Single

 Pole Structure, Existing Location - H

 Duct Route

 Cross Section Route





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Cucumber Wood

5

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Date Requested: 05/08/2022
Job Reference: 26508055
Site Location: 471389 177088
Requested by: Mr Aaron Nickless
Your Scheme/Reference: 424345

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



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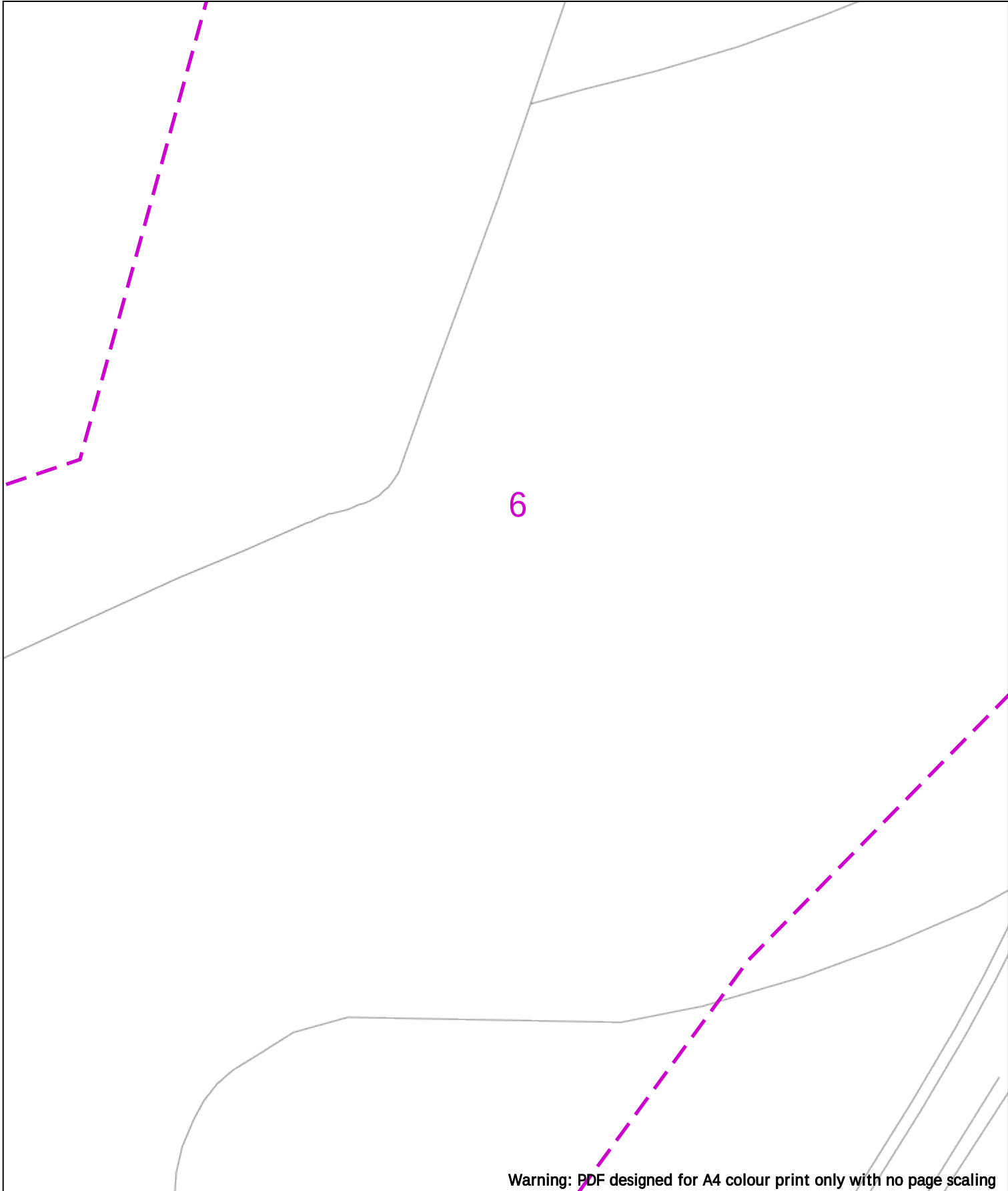
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020m Dig Sites

Area: 

Line: 

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Job Reference: 26508055

Site Location: 471389 177088

Requested by: Mr Aaron Nickless

Your Scheme/Reference: 424345

Voltages (V)				
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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 Structure, Existing Location - Single

 Pole Structure, Existing Location - H

 Duct Route

 Cross Section Route





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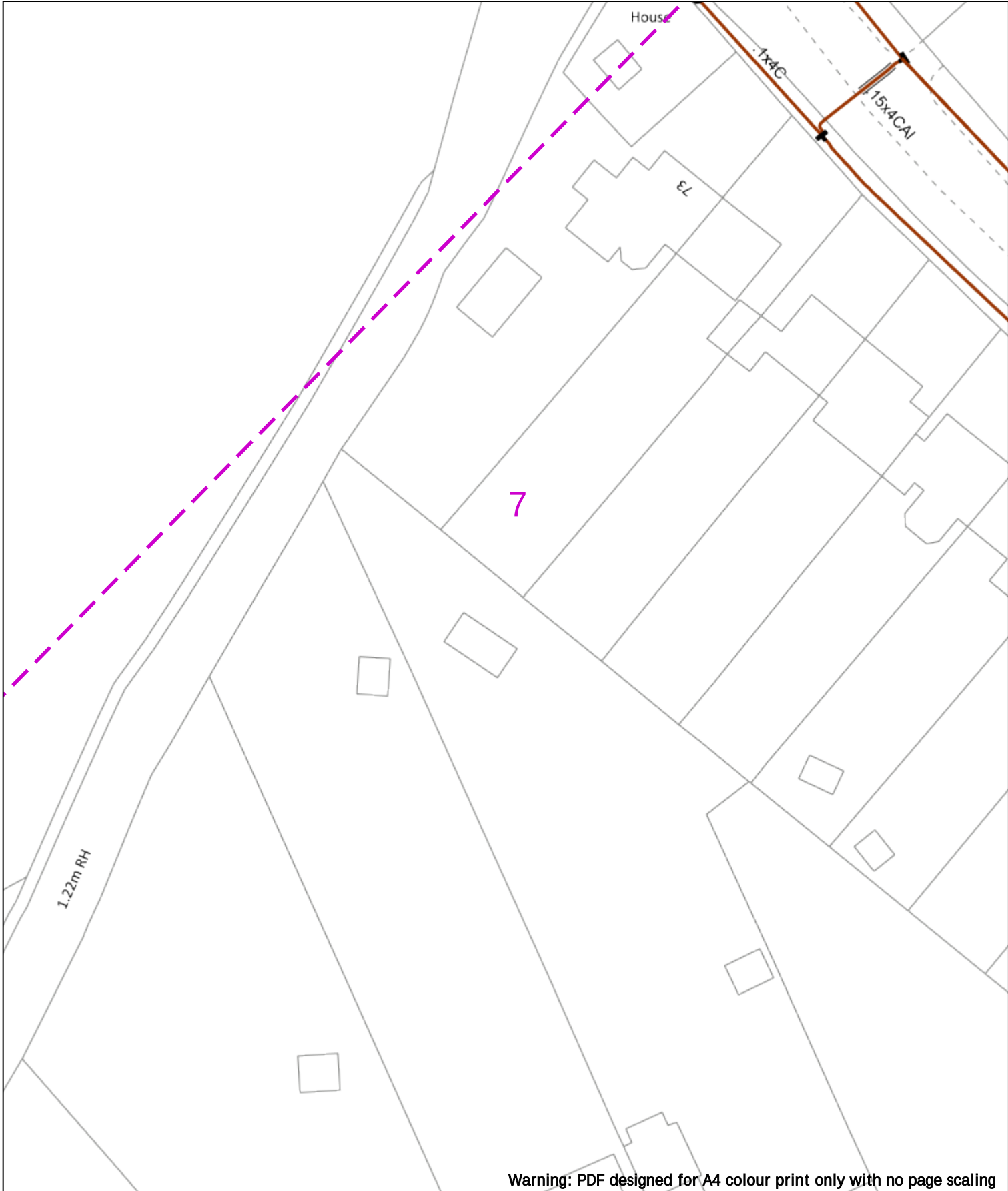
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Services	LV	HV	EHV	
Footpath/Unmade	0.45m	0.45m	0.6m	0.8m
Road Crossing	0.6m	0.6m	0.75m	0.9m
Agricultural	1m	1m	1m	1.1m

Legend

Service Cable

LV Mains

2-33kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Distribution Structures (Electric)

Pole, Existing Location

Pole Structure, Existing Location - Single

Pole Structure, Existing Location - H

Duct Route

Cross Section Route

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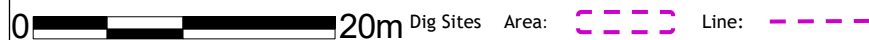
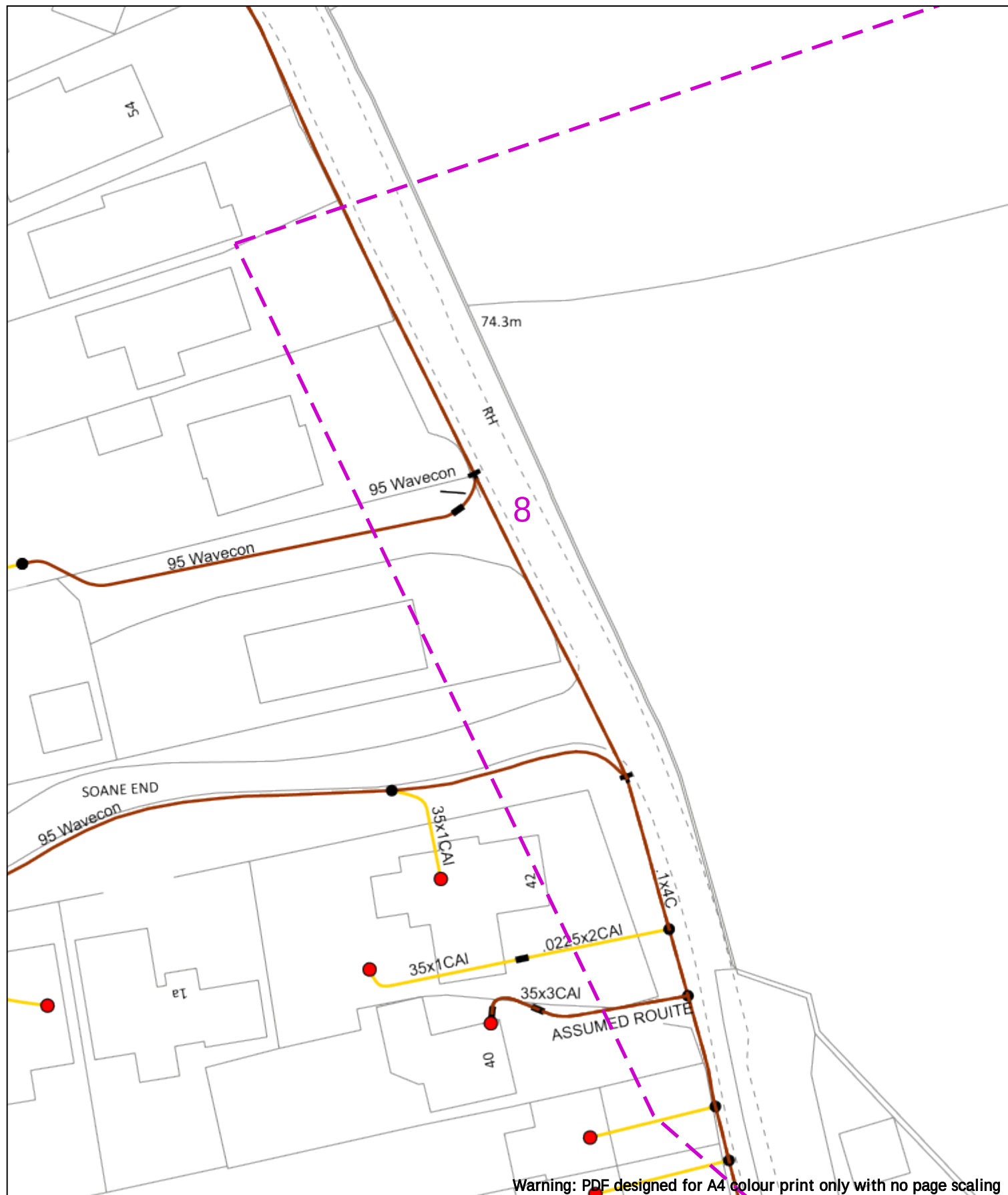
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Job Reference: 26508055
Site Location: 471389 177088
Requested by: Mr Aaron Nickless
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Voltages (V)				
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NORMAL DEPTH TO THE TOP OF THE CABLE WHEN 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

WARNING

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Date Requested: 05/08/2022
Job Reference: 26508055
Site Location: 471389 177088
Requested by: Mr Aaron Nickless
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Voltages (V)				
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Legend	
Service Cable	
LV Mains	
2-33kV	
6.6kV	
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33kV	
66kV	
132kV	
275kV	
400kV	
Fibre Optic	
Pilot Cable	

Distribution Structures (Electric)	
Pole, Existing Location	
Pole Structure, Existing Location - Single	
Pole Structure, Existing Location - H	
Duct Route	
Cross Section Route	

WARNING

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0 20m Dig Sites Area: Line:



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

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

Southern Electric Power Distribution plc
Registered Office: No.1 Forbury Place
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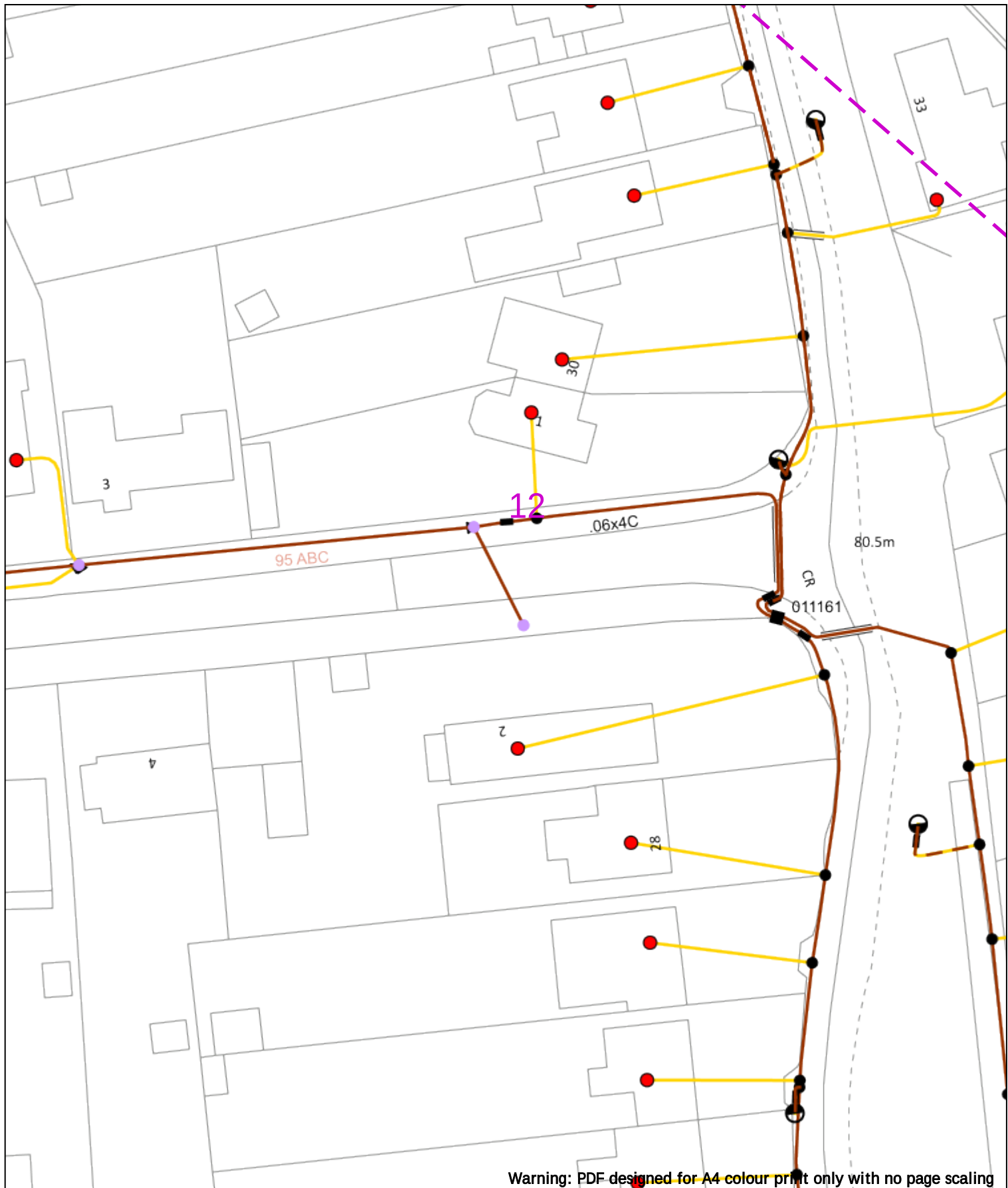
Scale: 1:500 (When plotted at A4)

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:

Date Requested: 05/08/2022

Job Reference: 26508055

Site Location: 471389 177088

Requested by: Mr Aaron Nickless

Your Scheme/Reference: 424345

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 - 33kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Distribution Structures (Electric)

Pole, Existing Location

Pole Structure, Existing Location - Single

Pole Structure, 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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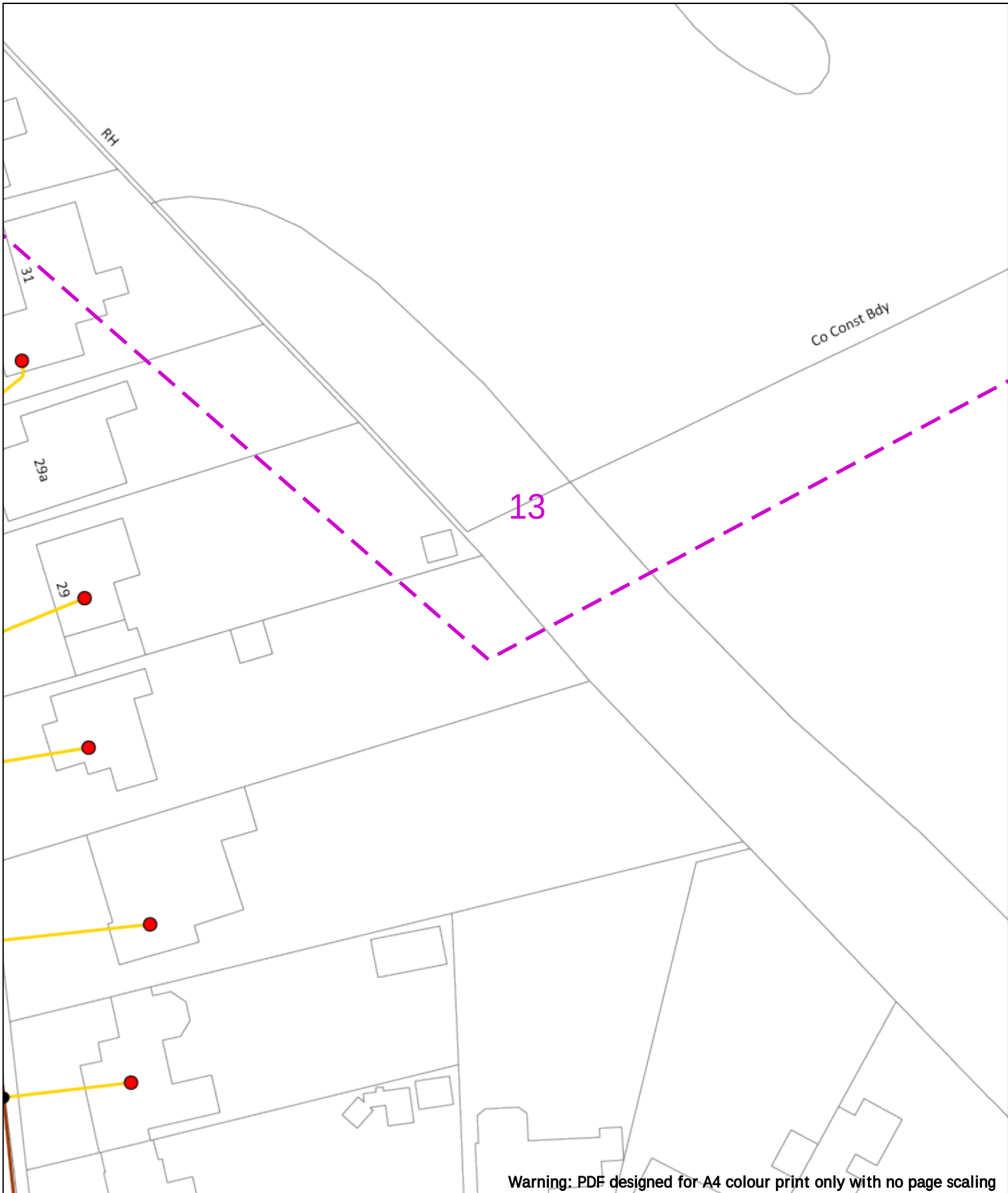
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Dig Sites

Area:

Line:

Date Requested: 05/08/2022

Job Reference: 26508055

Site Location: 471389 177088

Requested by: Mr Aaron Nickless

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Voltages (V)				
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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

2-33kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Distribution Structures (Electric)

Pole, Existing Location

Pole Structure, Existing Location - Single

Pole Structure, Existing Location - H

Duct Route

Cross Section Route

WARNING

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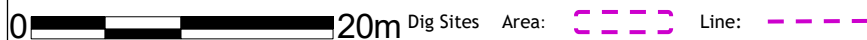
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Golf Course

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Date Requested: 05/08/2022
Job Reference: 26508055
Site Location: 471389 177088
Requested by: Mr Aaron Nickless
Your Scheme/Reference: 424345

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

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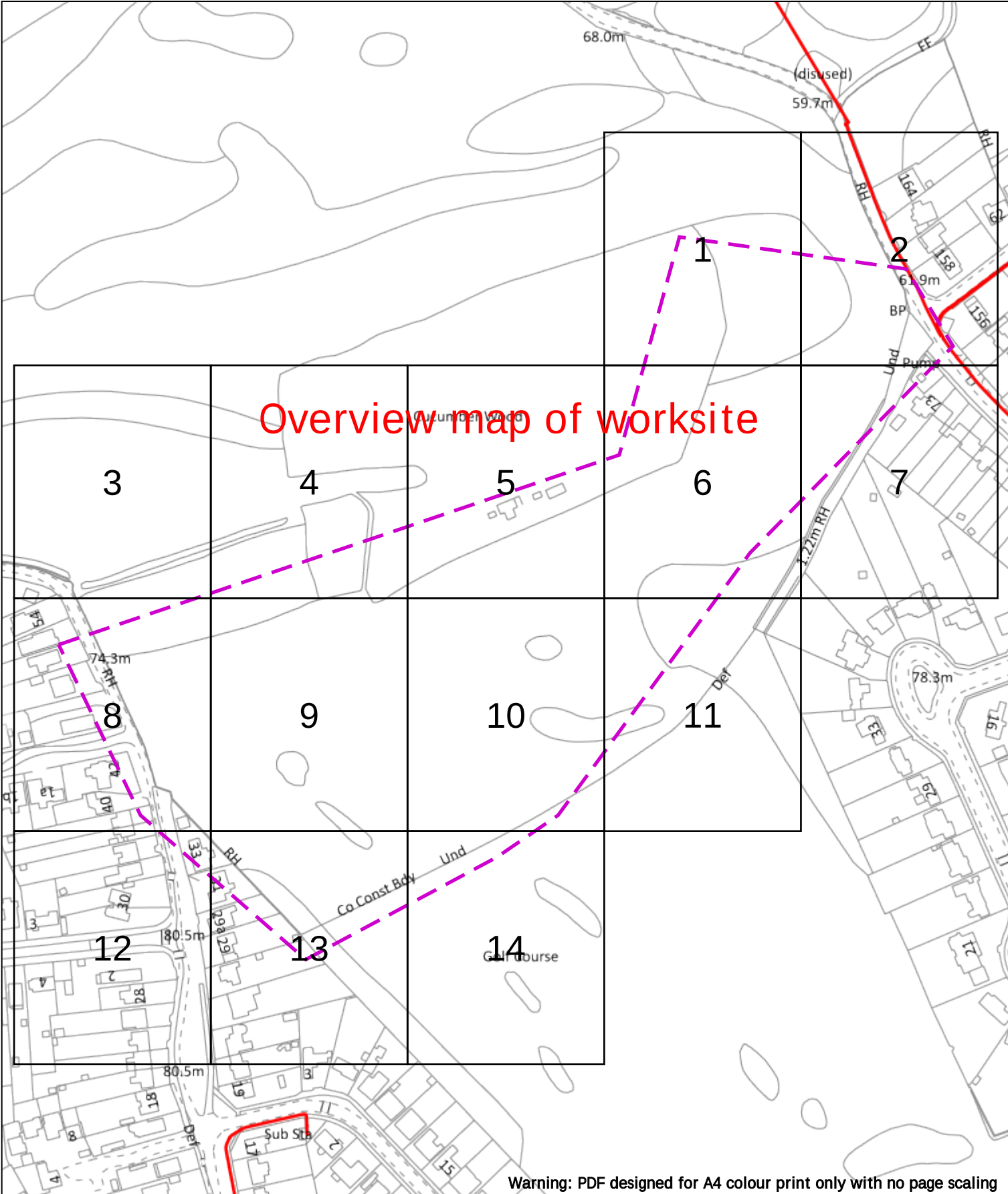
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WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTES G56 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)



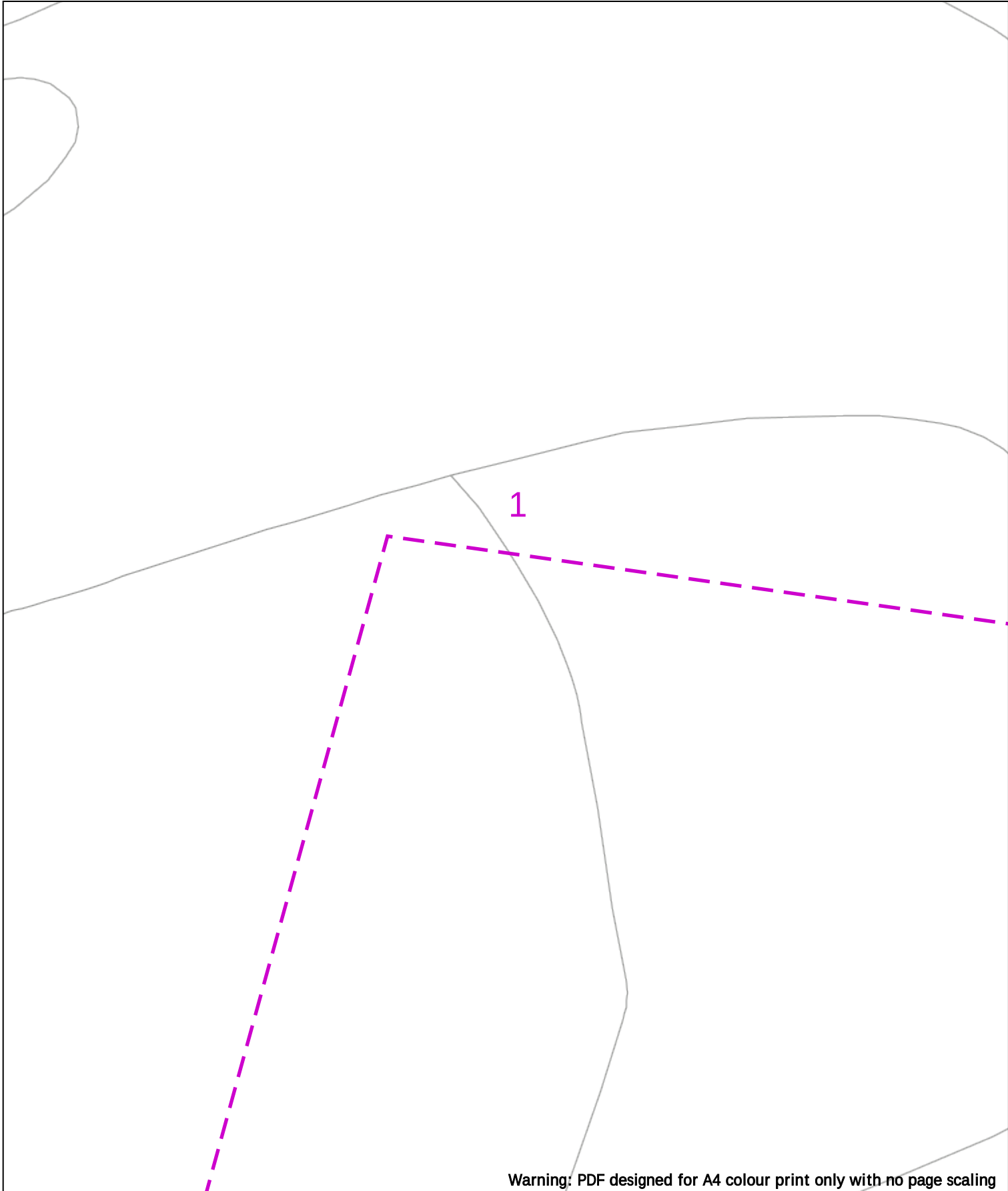
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Dig Sites Area:  Line: 		 
Date Requested: 05/08/2022 Job Reference: 26508055 Site Location: 471389 177088 Requested by: Mr Aaron Nickless Your Scheme/Reference: 424345	Voltages (V) LV (Low Voltage) and Services Up to 1,000V HV (High Voltage) Over 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  2-33kV  6.6kV  11kV  22kV  33kV  66kV  132kV  275kV  400kV  Fibre Optic  Pilot Cable Distribution Structures (Electric)  Pole, Existing Location  Pole Structure, Existing Location - Single  Pole Structure, 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)	
	Scale: 1:2562 (When plotted at A4)	

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Dig Sites

Area: 

Line: 

Date Requested: 05/08/2022

Job Reference: 26508055

Site Location: 471389 177088

Requested by: Mr Aaron Nickless

Your Scheme/Reference: 424345

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			

Services	NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID			
	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 Structure, Existing Location - Single

 Pole Structure, Existing Location - H

 Duct Route

 Cross Section Route





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020m

Dig Sites

Area:

Line:

Date Requested: 05/08/2022

Job Reference: 26508055

Site Location: 471389 177088

Requested by: Mr Aaron Nickless

Your Scheme/Reference: 424345

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 Structure, Existing Location - Single

Pole Structure, Existing Location - H

Duct Route

Cross Section Route

WARNING

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Date Requested: 05/08/2022
Job Reference: 26508055
Site Location: 471389 177088
Requested by: Mr Aaron Nickless
Your Scheme/Reference: 424345

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	
2-33kV	
6.6kV	
11kV	
22kV	
33kV	
66kV	
132kV	
275kV	
400kV	
Fibre Optic	
Pilot Cable	

Distribution Structures (Electric)	
Pole, Existing Location	
Pole Structure, Existing Location - Single	
Pole Structure, Existing Location - H	
Duct Route	
Cross Section Route	

WARNING

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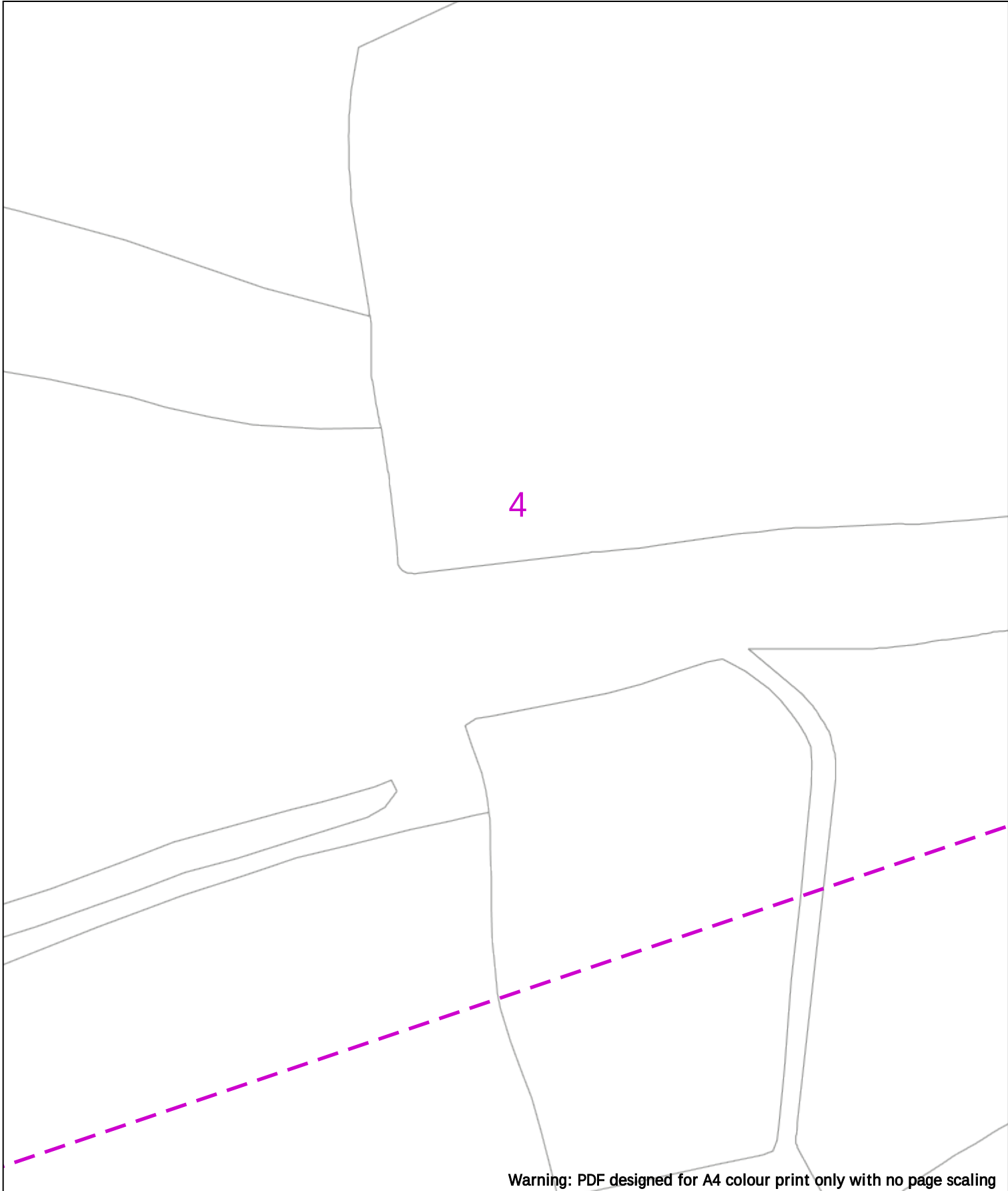


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020m Dig Sites

Area: 

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Date Requested: 05/08/2022

Job Reference: 26508055

Site Location: 471389 177088

Requested by: Mr Aaron Nickless

Your Scheme/Reference: 424345

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 Structure, Existing Location - Single

 Pole Structure, Existing Location - H

 Duct Route

 Cross Section Route





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Cucumber Wood

5

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0 20m Dig Sites Area: Line:

Date Requested: 05/08/2022
Job Reference: 26508055
Site Location: 471389 177088
Requested by: Mr Aaron Nickless
Your Scheme/Reference: 424345

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
	2-33kV
	6.6kV
	11kV
	22kV
	33kV
	66kV
	132kV
	275kV
	400kV
	Fibre Optic
	Pilot Cable

Distribution Structures (Electric)	
	Pole, Existing Location
	Pole Structure, Existing Location - Single
	Pole Structure, Existing Location - H
	Duct Route
	Cross Section Route



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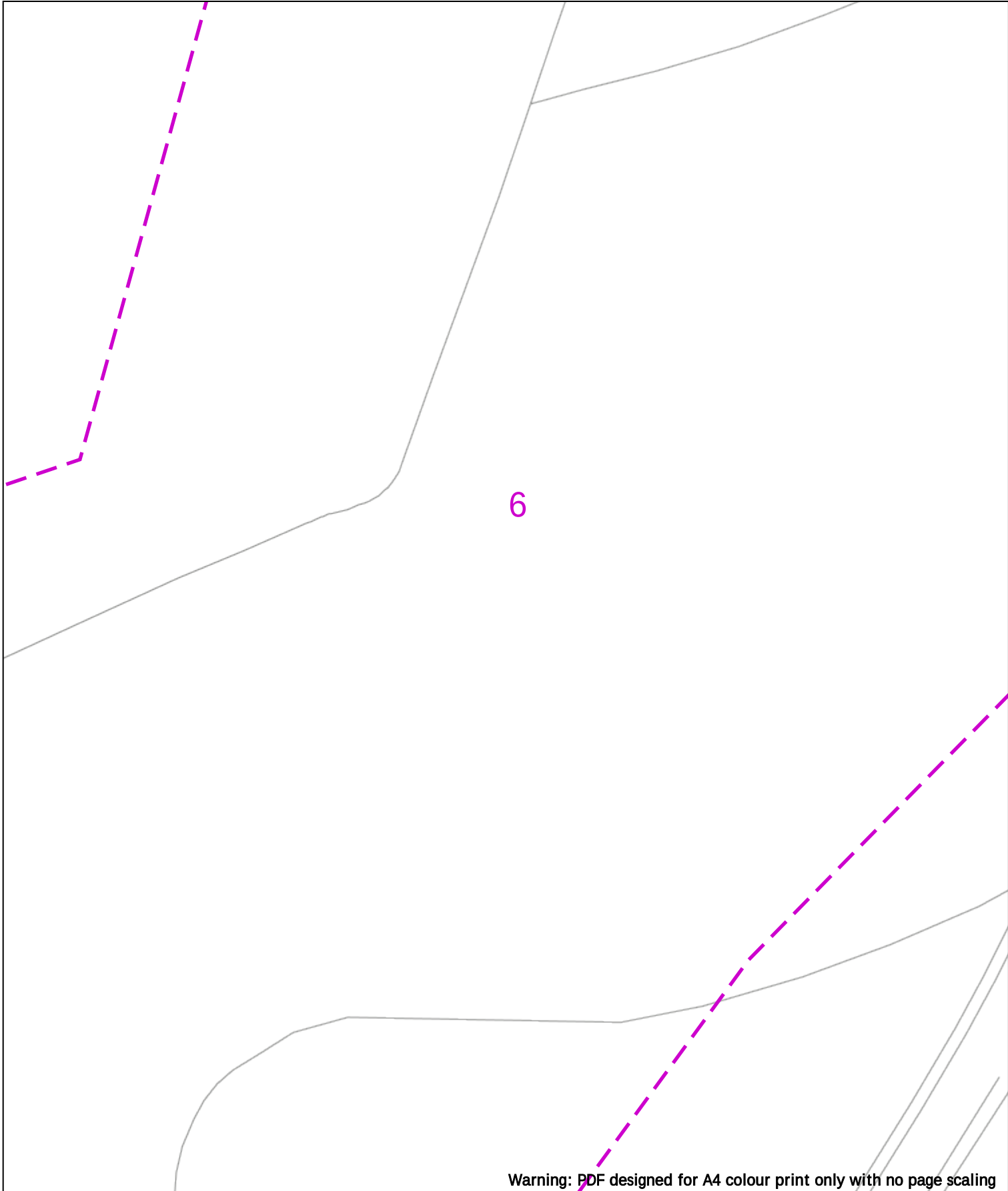
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020m Dig Sites

Area: 

Line: 

Date Requested: 05/08/2022

Job Reference: 26508055

Site Location: 471389 177088

Requested by: Mr Aaron Nickless

Your Scheme/Reference: 424345

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			

Services	NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID			
	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 Structure, Existing Location - Single

 Pole Structure, Existing Location - H

 Duct Route

 Cross Section Route





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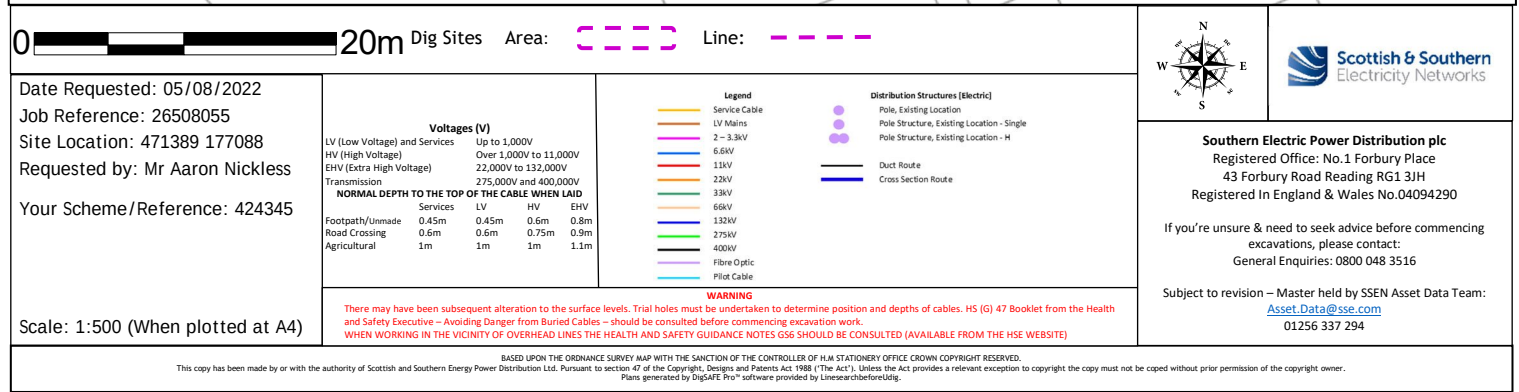
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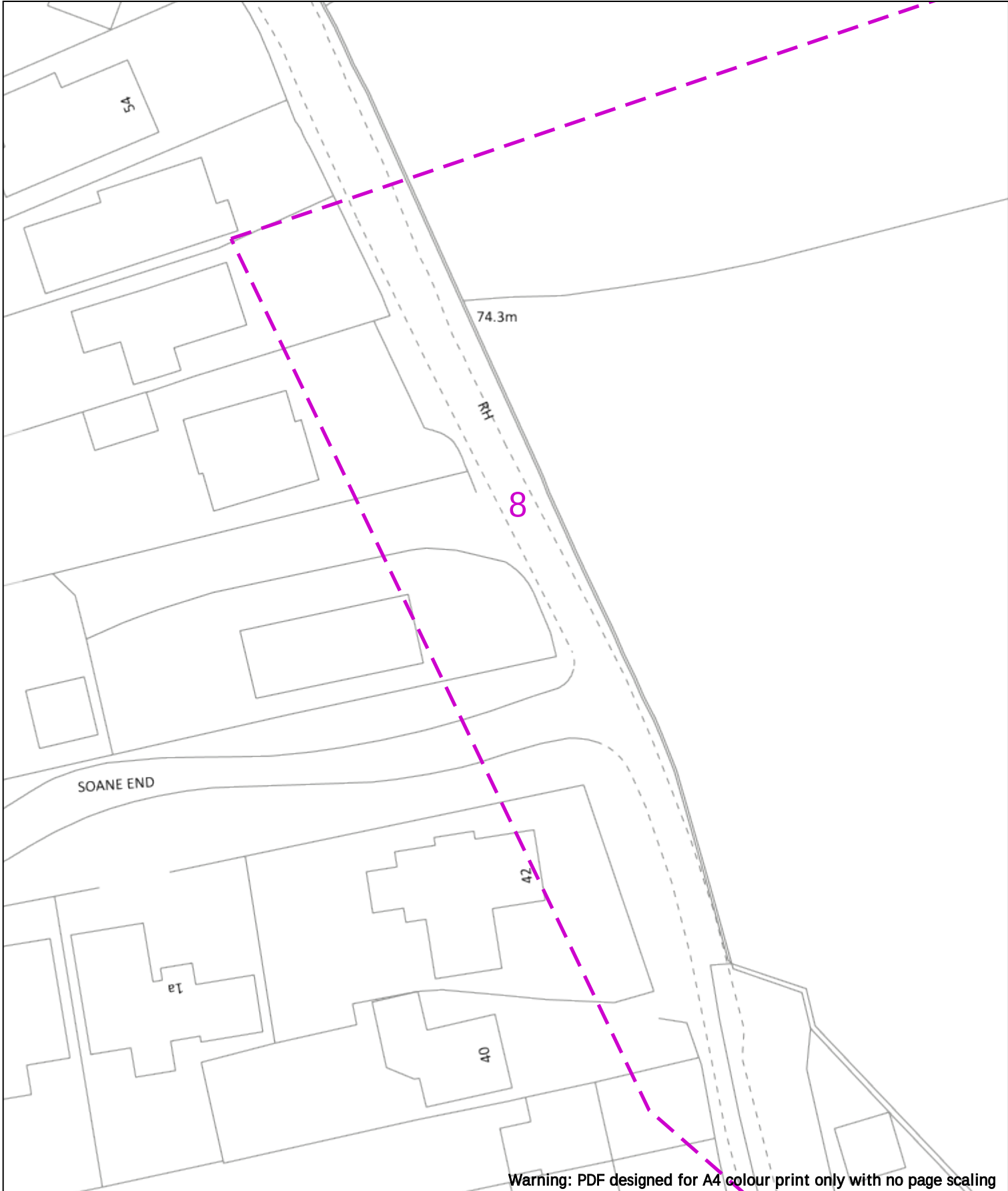
WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTES G56 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)

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020m

Dig Sites

Area:

Line:

Date Requested: 05/08/2022

Job Reference: 26508055

Site Location: 471389 177088

Requested by: Mr Aaron Nickless

Your Scheme/Reference: 424345

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 - 33kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Distribution Structures (Electric)

Pole, Existing Location

Pole Structure, Existing Location - Single

Pole Structure, Existing Location - H

Duct Route

Cross Section Route

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)

Scottish & Southern

Electricity Networks

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

Subject to revision - Master held by SSEN Asset Data Team:

Asset.Data@sse.com

01256 337 294

Scale: 1:500 (When plotted at A4)

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0 20m Dig Sites Area: Line:

Date Requested: 05/08/2022
Job Reference: 26508055
Site Location: 471389 177088
Requested by: Mr Aaron Nickless
Your Scheme/Reference: 424345

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	
2-33kV	
6.6kV	
11kV	
22kV	
33kV	
66kV	
132kV	
275kV	
400kV	
Fibre Optic	
Pilot Cable	

Distribution Structures (Electric)	
Pole, Existing Location	
Pole Structure, Existing Location - Single	
Pole Structure, 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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10

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0 20m Dig Sites Area: Line:

Date Requested: 05/08/2022
Job Reference: 26508055
Site Location: 471389 177088
Requested by: Mr Aaron Nickless
Your Scheme/Reference: 424345

Voltages (V)				
LV (Low Voltage) and Services	Up to 1,000V			
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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 Structure, Existing Location - Single
	Pole Structure, 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)

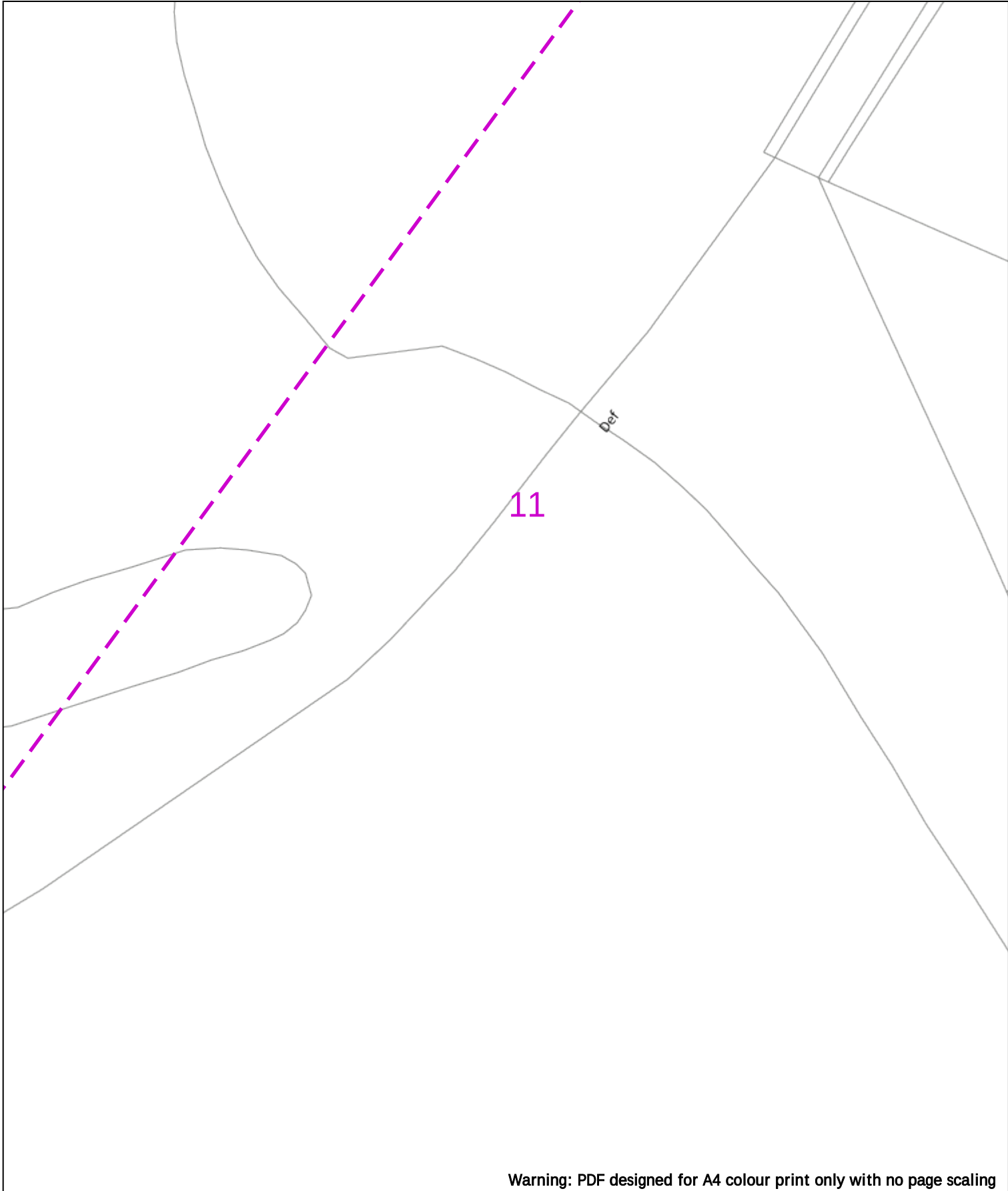


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0

20m

Dig Sites

Area:

Line:

Date Requested: 05/08/2022

Job Reference: 26508055

Site Location: 471389 177088

Requested by: Mr Aaron Nickless

Your Scheme/Reference: 424345

Voltages (V)				
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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 Structure, Existing Location - Single

Pole Structure, Existing Location - H

Duct Route

Cross Section Route

Distribution Structures (Electric)

Pole, Existing Location

Pole Structure, Existing Location - Single

Pole Structure, Existing Location - H

Duct Route

Cross Section Route

Scottish & Southern
Electricity Networks

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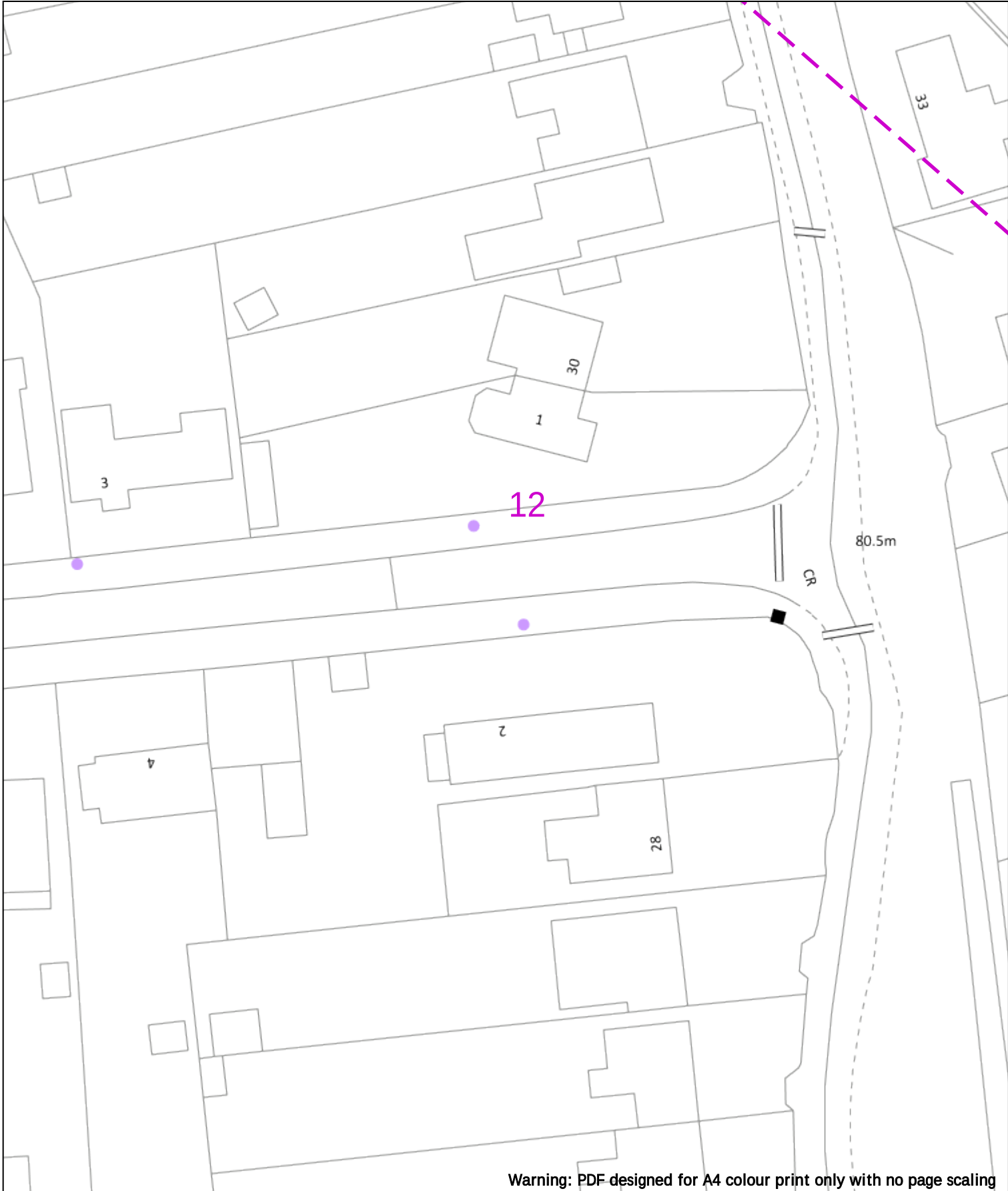
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WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTES G56 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)

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020m

Dig Sites

Area: 

Line: 

Date Requested: 05/08/2022

Job Reference: 26508055

Site Location: 471389 177088

Requested by: Mr Aaron Nickless

Your Scheme/Reference: 424345

Voltages (V)				
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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 Structure, Existing Location - Single

 Pole Structure, Existing Location - H

 Duct Route

 Cross Section Route





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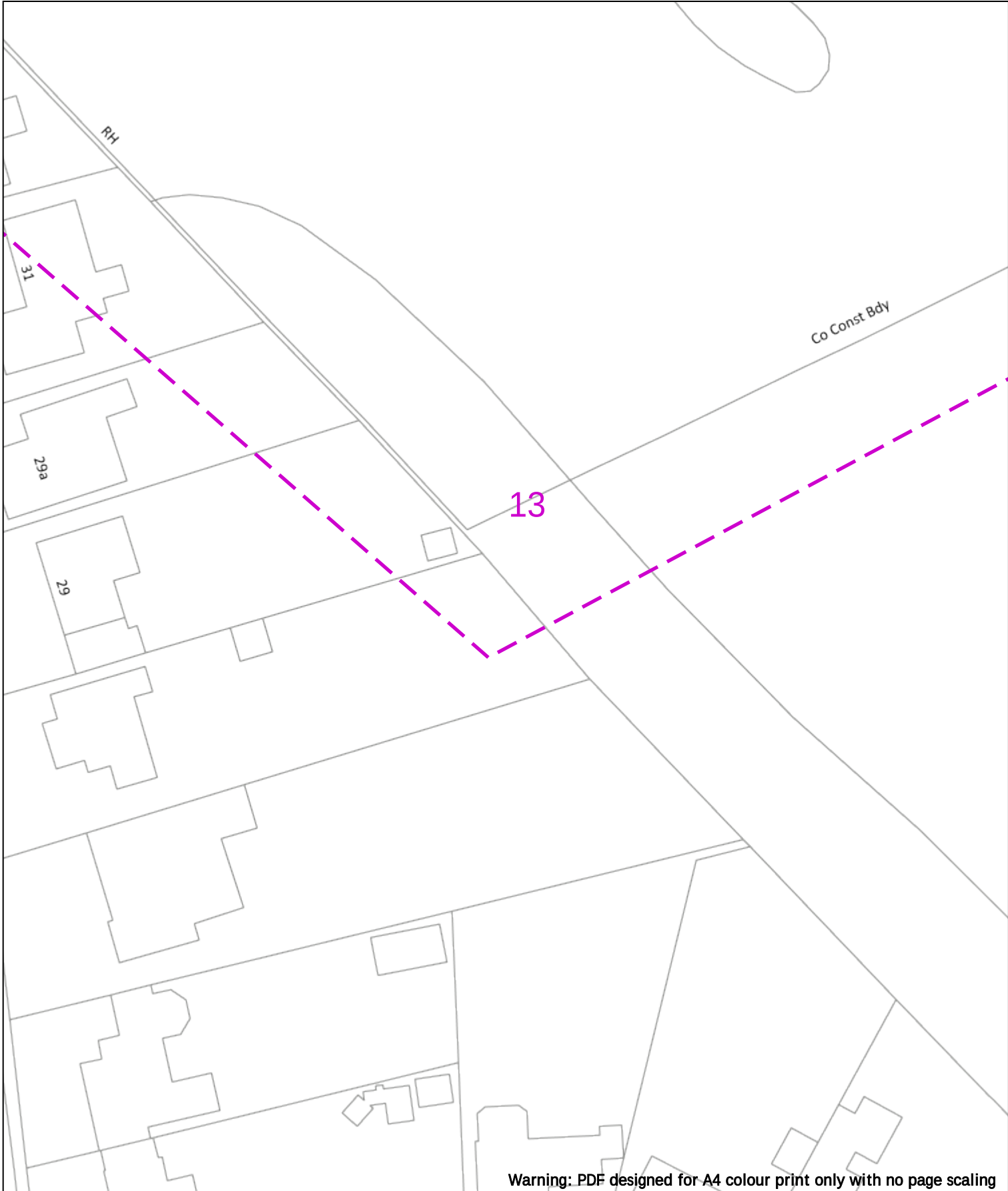
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Dig Sites

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Road Crossing	0.6m	0.6m	0.75m	0.9m
Agricultural	1m	1m	1m	1.1m

Legend

Service Cable

LV Mains

2-33kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Distribution Structures (Electric)

Pole, Existing Location

Pole Structure, Existing Location - Single

Pole Structure, Existing Location - H

Duct Route

Cross Section Route

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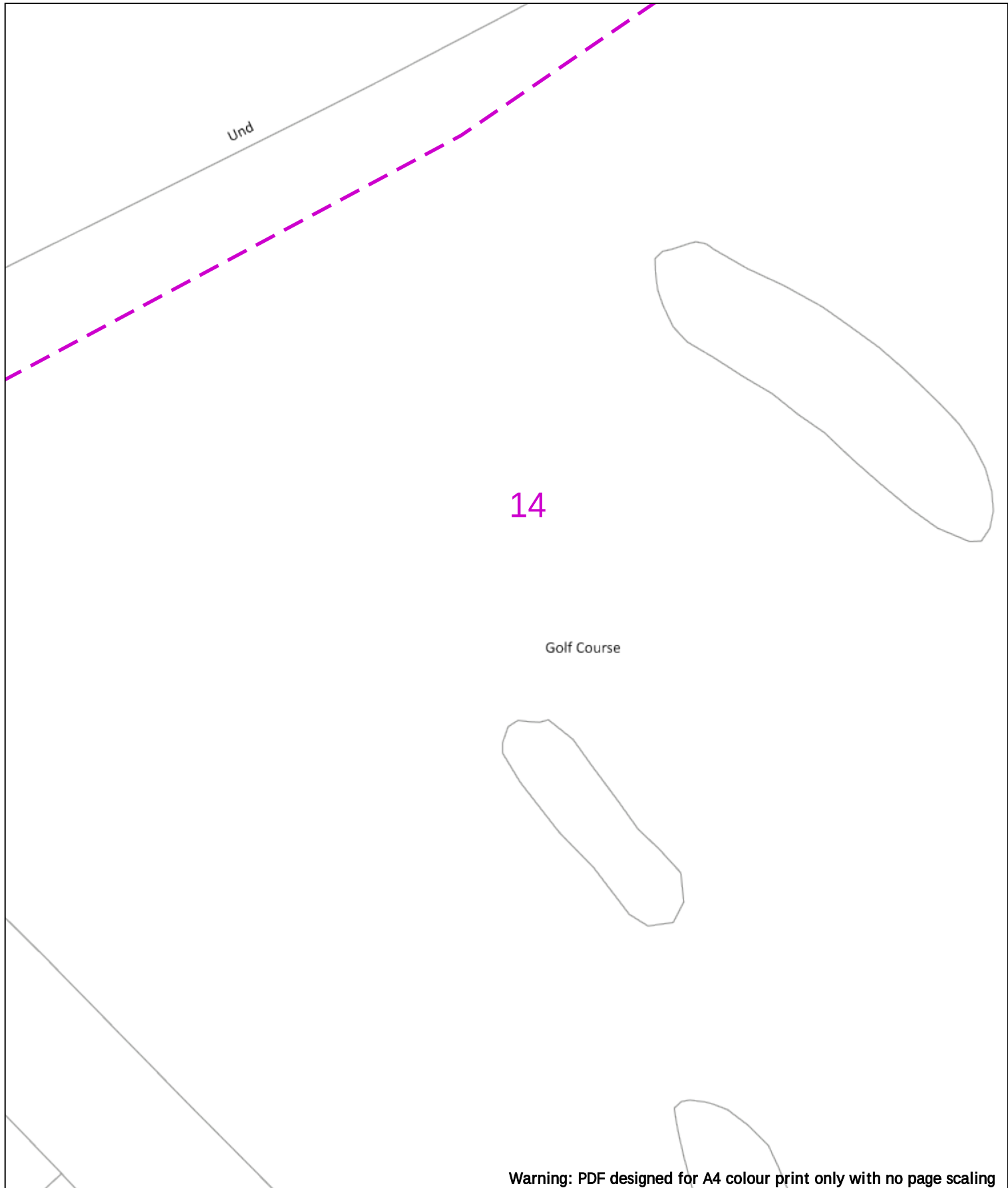
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0

20m

Dig Sites

Area:

Line:

Date Requested: 05/08/2022

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Road Crossing	0.6m	0.6m	0.75m	0.9m
Agricultural	1m	1m	1m	1.1m

Legend

Service Cable

LV Mains

2-33kV

6.6kV

11kV

22kV

33kV

66kV

132kV

275kV

400kV

Fibre Optic

Pilot Cable

Pole, Existing Location

Pole Structure, Existing Location - Single

Pole Structure, Existing Location - H

Duct Route

Cross Section Route

Southern Electric Power Distribution plc

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01256 337 294

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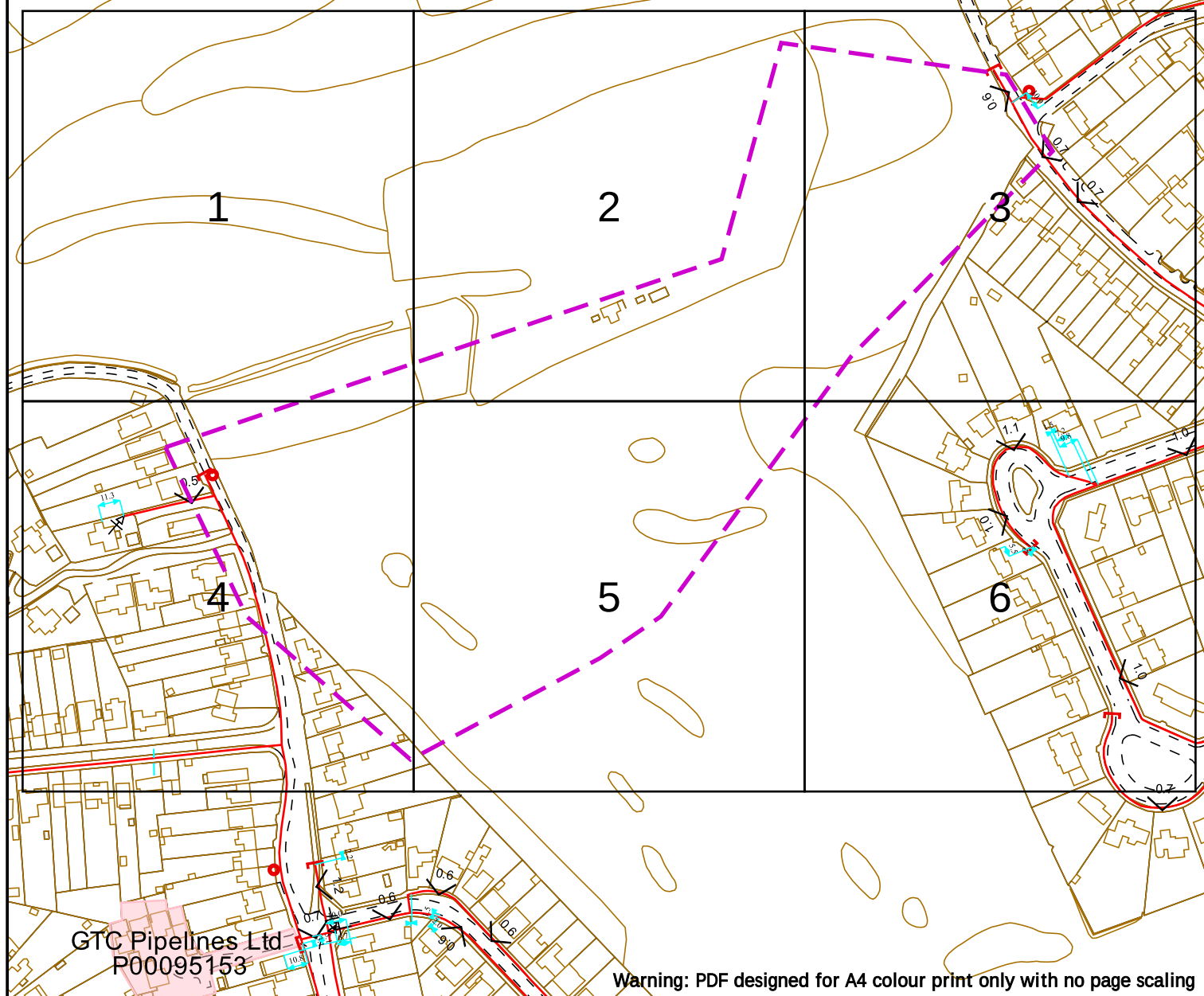
WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTES G56 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)

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Overview map of worksite



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Email:
 plantlocation@sgn.co.uk

Low Pressure Mains

Medium Pressure Mains

Intermediate Pressure Mains

High Pressure Mains

Some Examples Of Plant Items

Valve

Syphon

Depth of Cover

V

Diameter Change

Digsite:

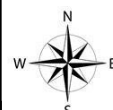
Line:

Area:

LAs

GTs

Diameter Change



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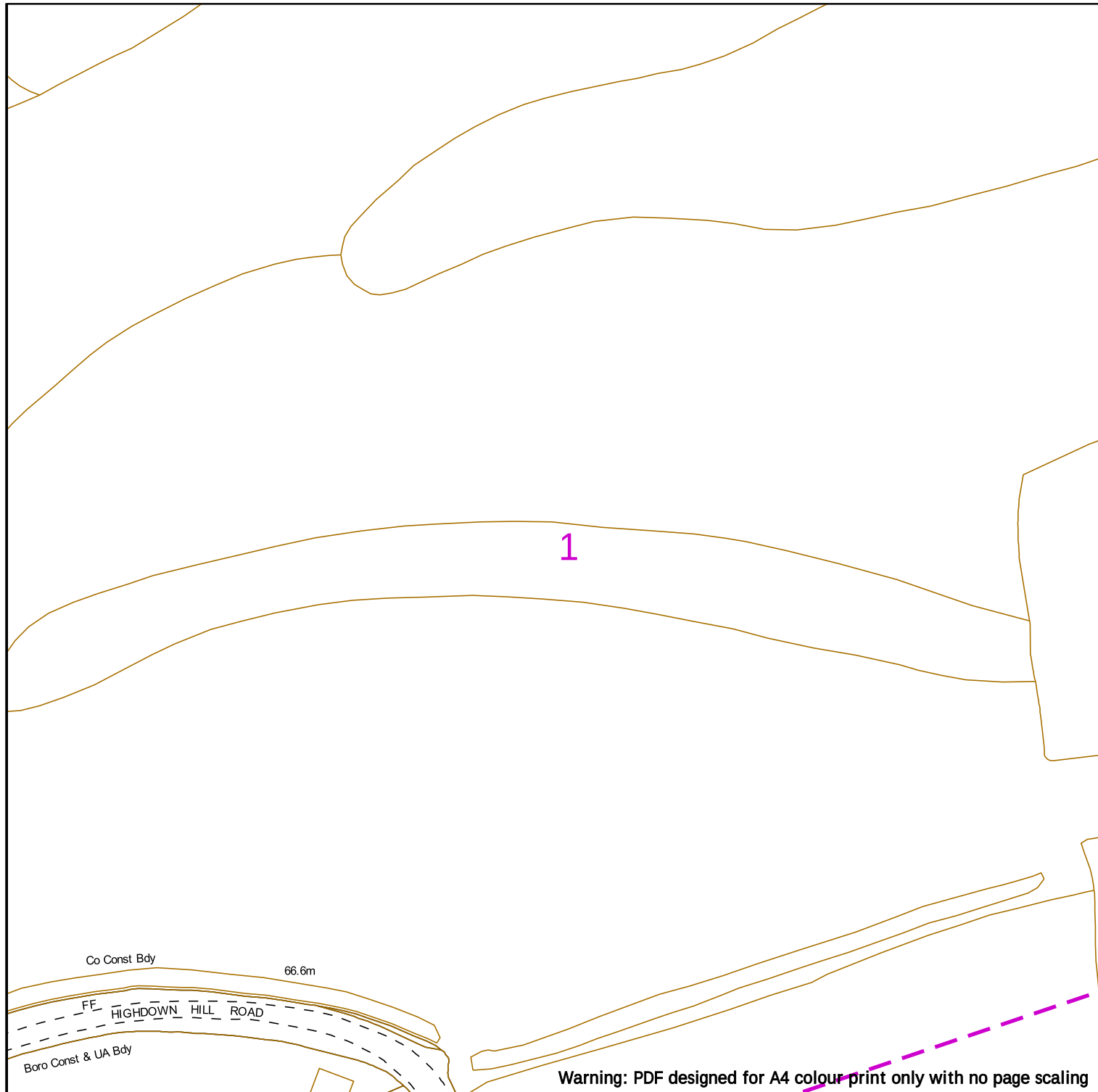
This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc. are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Safety Admin Team on 0800 912 1722 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. Safe digging practices, in accordance with HS (G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA
0800 111 999

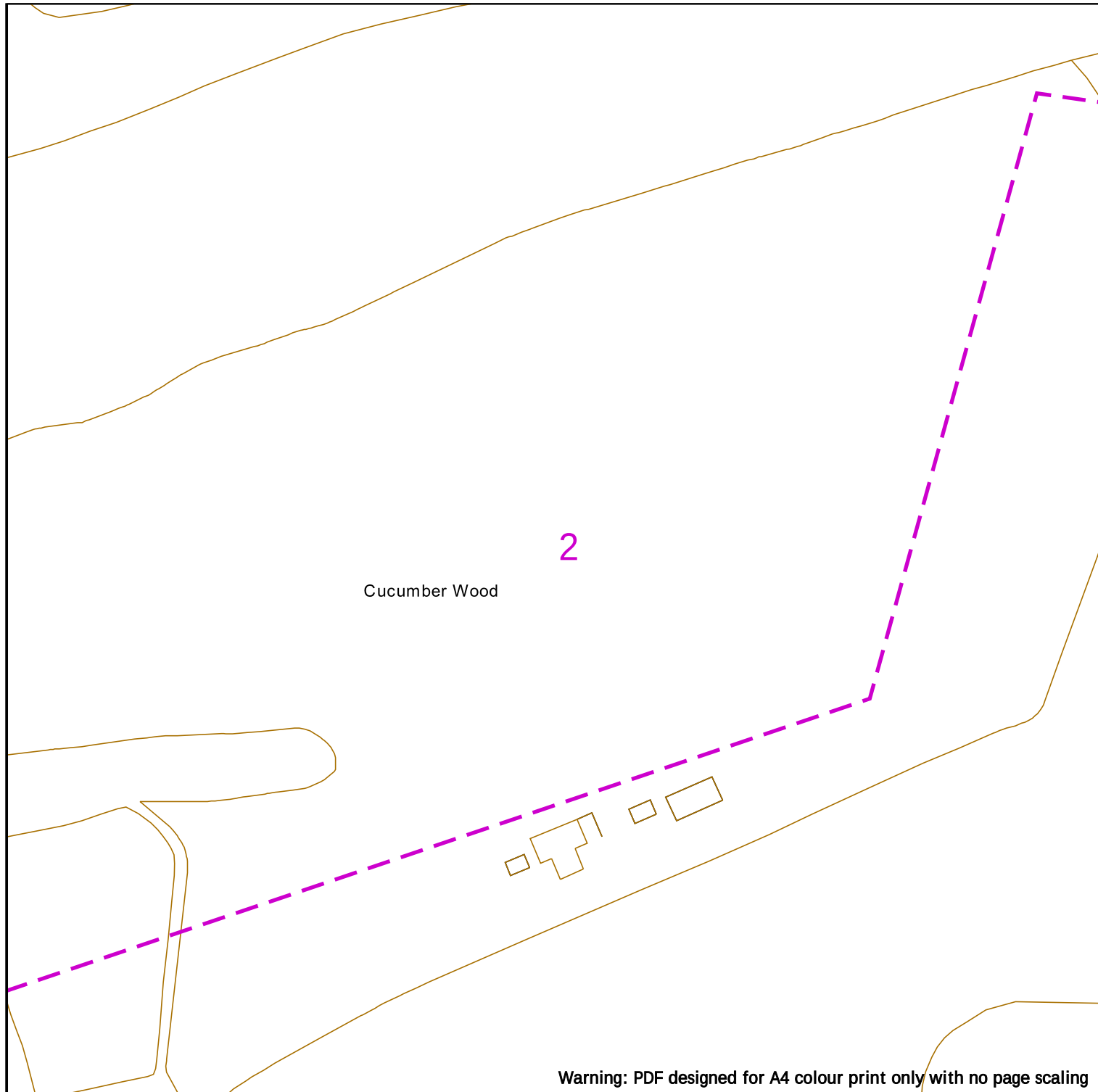
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Date Requested: 05/08/2022
 Job Reference: 26508055
 Site Location: 471389 177088
 Requested by: Mr Aaron Nickless
 Your Scheme/Reference: 424345

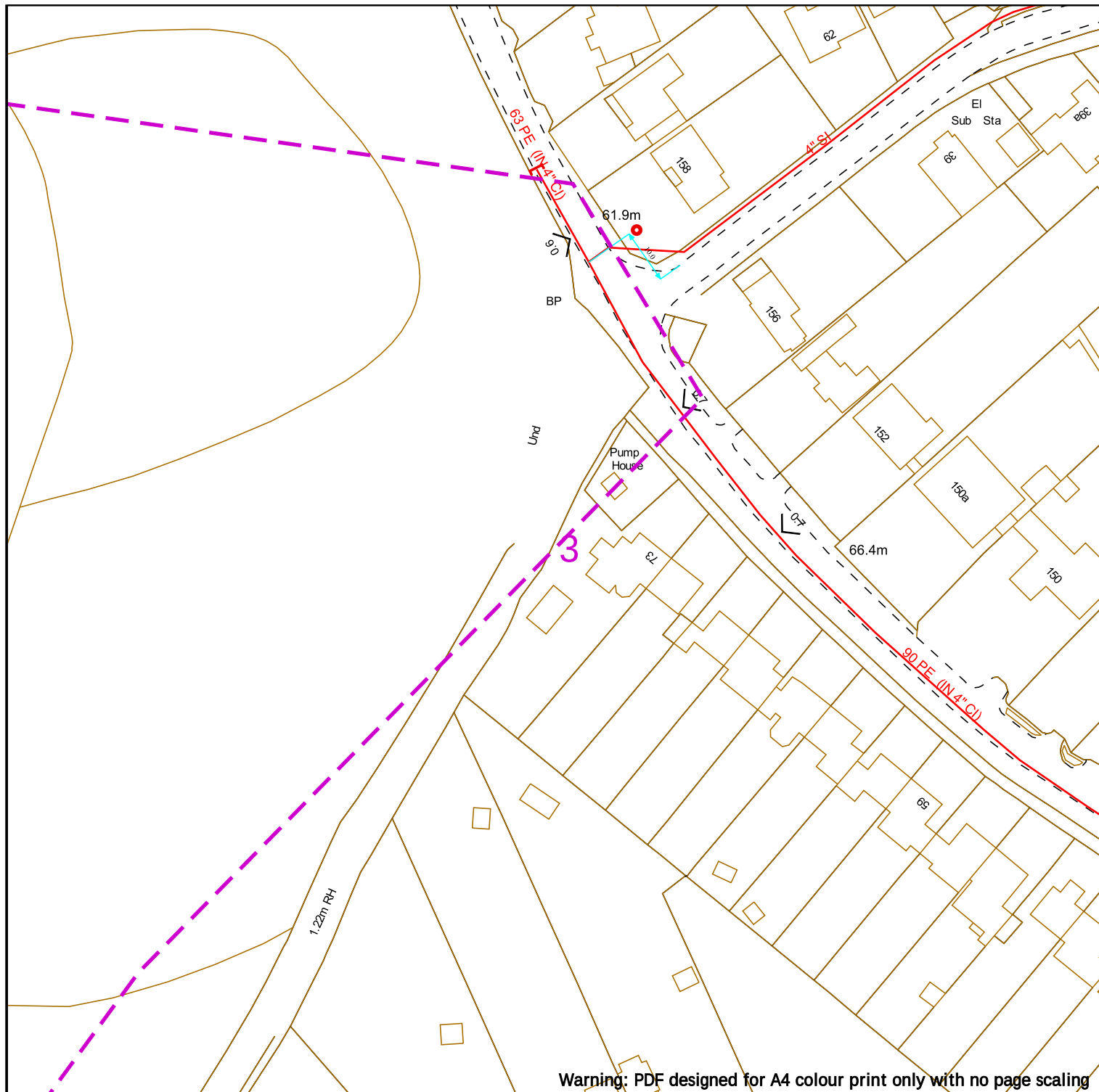
Scale: 1:3075 (When plotted at A4)



 Contact Us SGN Safety Admin Team: 0800 912 1722 Email: plantlocation@sgn.co.uk	Low Pressure Mains ———— Medium Pressure Mains - - - - - Intermediate Pressure Mains High Pressure Mains — · — · — · Some Examples Of Plant Items Valve  Syphon  Depth of Cover  Diameter Change  Digsite: ———— Line:  Area:  LAs ———— GTs  	 This information is given as a guide only and its accuracy cannot be guaranteed.
Date Requested: 05/08/2022 Job Reference: 26508055 Site Location: 471389 177088 Requested by: Mr Aaron Nickless Your Scheme/Reference: 424345 Scale: 1:1000 (When plotted at A4)	This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc. are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Safety Admin Team on 0800 912 1722 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. Safe digging practices, in accordance with HS (G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue. Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA 0800 111 999 This plan is reproduced from or based on the OS map by Scotia Gas Networks plc, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved. Southern Gas – 100044373 and Scotland Gas – 100044366.	



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Date Requested: 05/08/2022 Job Reference: 26508055 Site Location: 471389 177088 Requested by: Mr Aaron Nickless Your Scheme/Reference: 424345 Scale: 1:1000 (When plotted at A4)	This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc. are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Safety Admin Team on 0800 912 1722 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. Safe digging practices, in accordance with HS (G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue. Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA 0800 111 999 This plan is reproduced from or based on the OS map by Scotia Gas Networks plc, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved. Southern Gas – 100044373 and Scotland Gas – 100044366.	



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Email:
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Low Pressure Mains

Medium Pressure Mains

Intermediate Pressure Mains

High Pressure Mains

Some Examples Of Plant Items

Valve



Syphon



Depth of Cover



Diameter Change



Digsite:

Line:

LAs

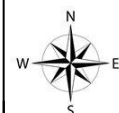
GTs

Area:

Area:

Area:

Area:



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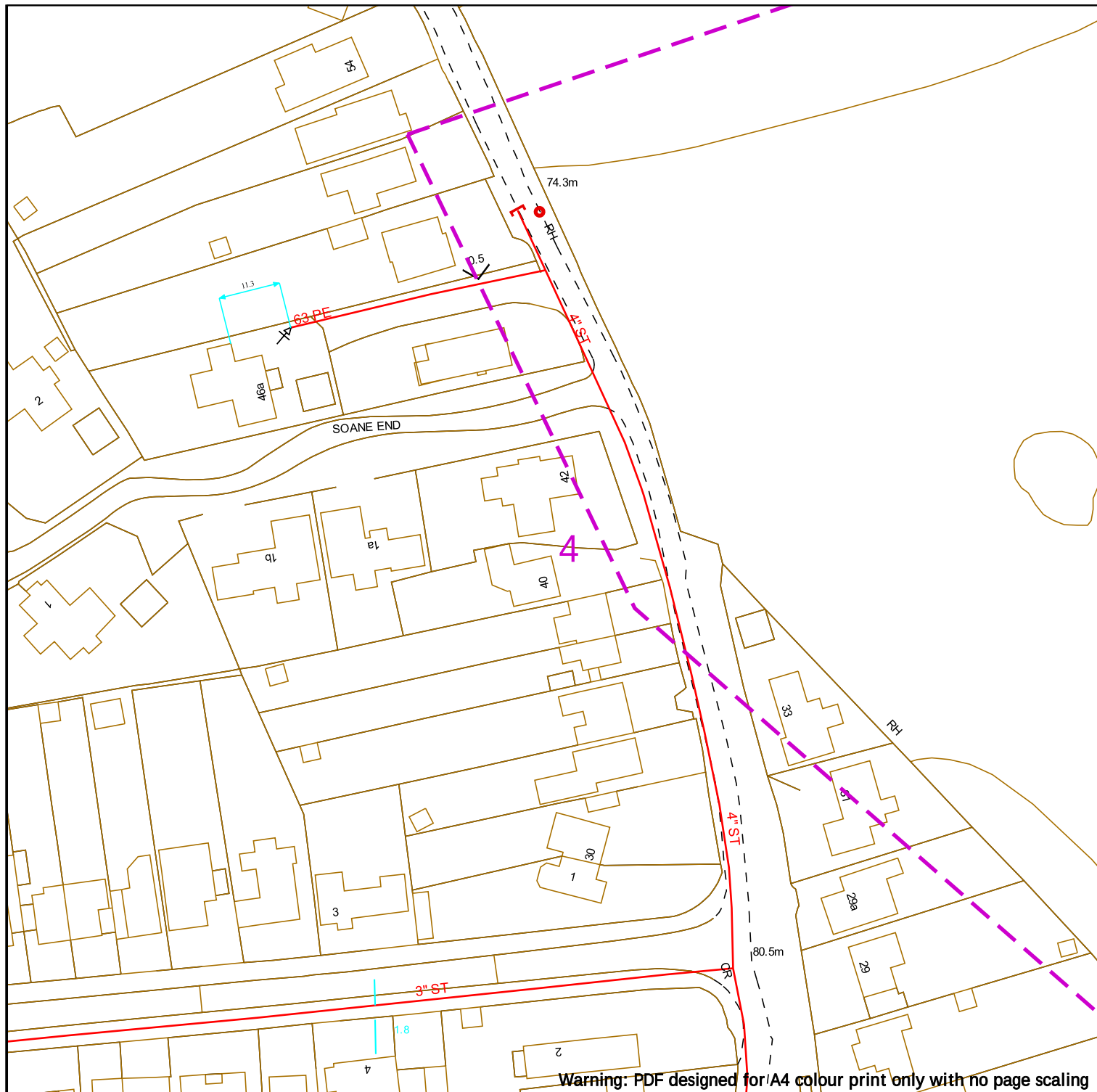


This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc. are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Safety Admin Team on 0800 912 1722 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. Safe digging practices, in accordance with HS (G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA
0800 111 999

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Scale: 1:1000 (When plotted at A4)



Warning: PDF designed for A4 colour print only with no page scaling



Contact Us
SGN Safety Admin Team:
 0800 912 1722
Email:
 plantlocation@sgn.co.uk

Low Pressure Mains

Medium Pressure Mains

Intermediate Pressure Mains

High Pressure Mains

Some Examples Of Plant Items

Valve

Syphon

Depth of Cover

▽

Diameter Change

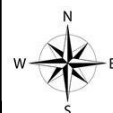
Digsites:

Line:

LAs

GTs

Area:



This information is given as a guide only and its accuracy cannot be guaranteed.

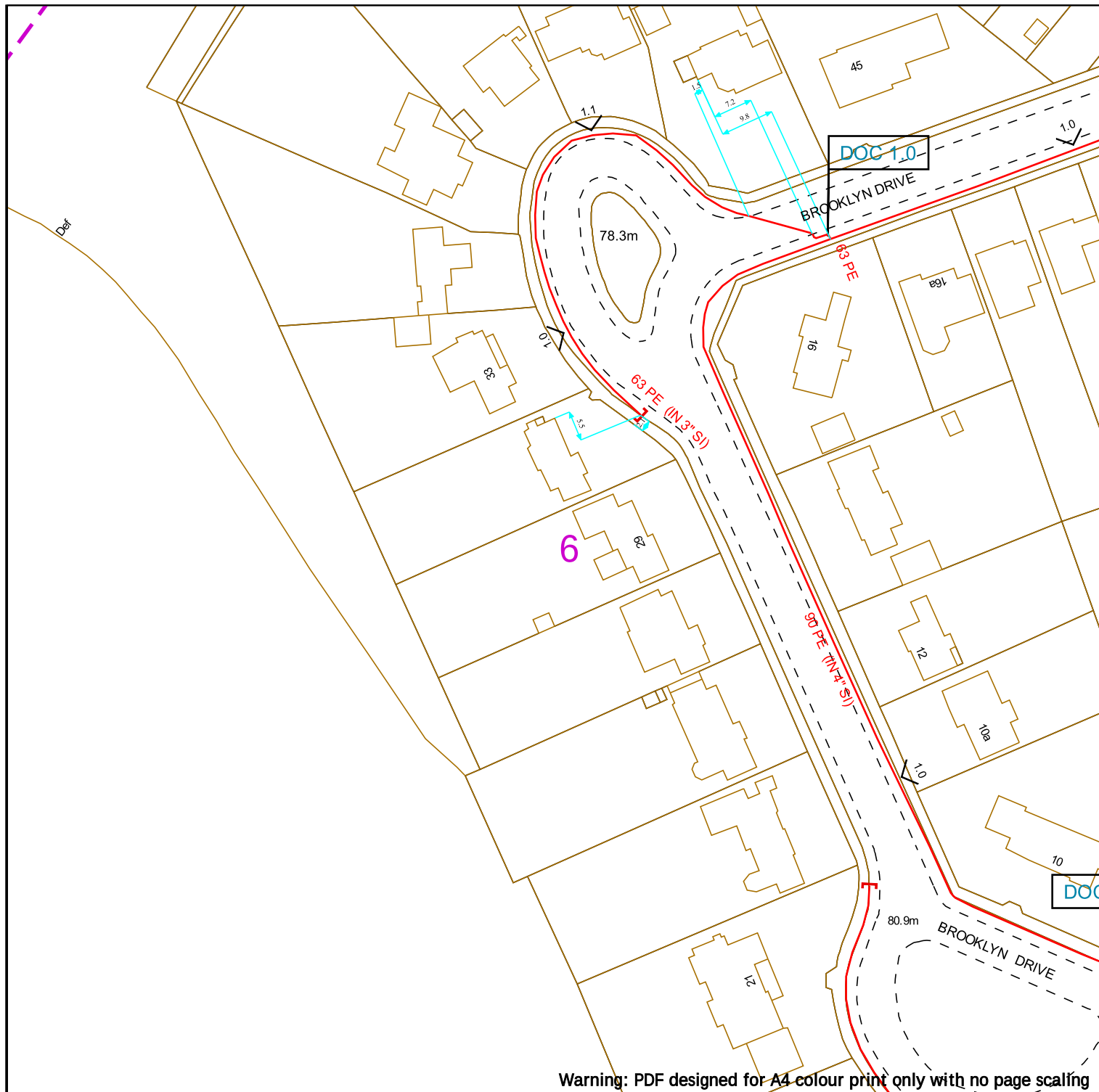


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Low Pressure Mains
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 High Pressure Mains
 Some Examples Of Plant Items

Valve



Syphon



Depth of Cover



Diameter Change



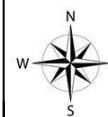
Digsite:

Line:

Area:

LAs

GTs



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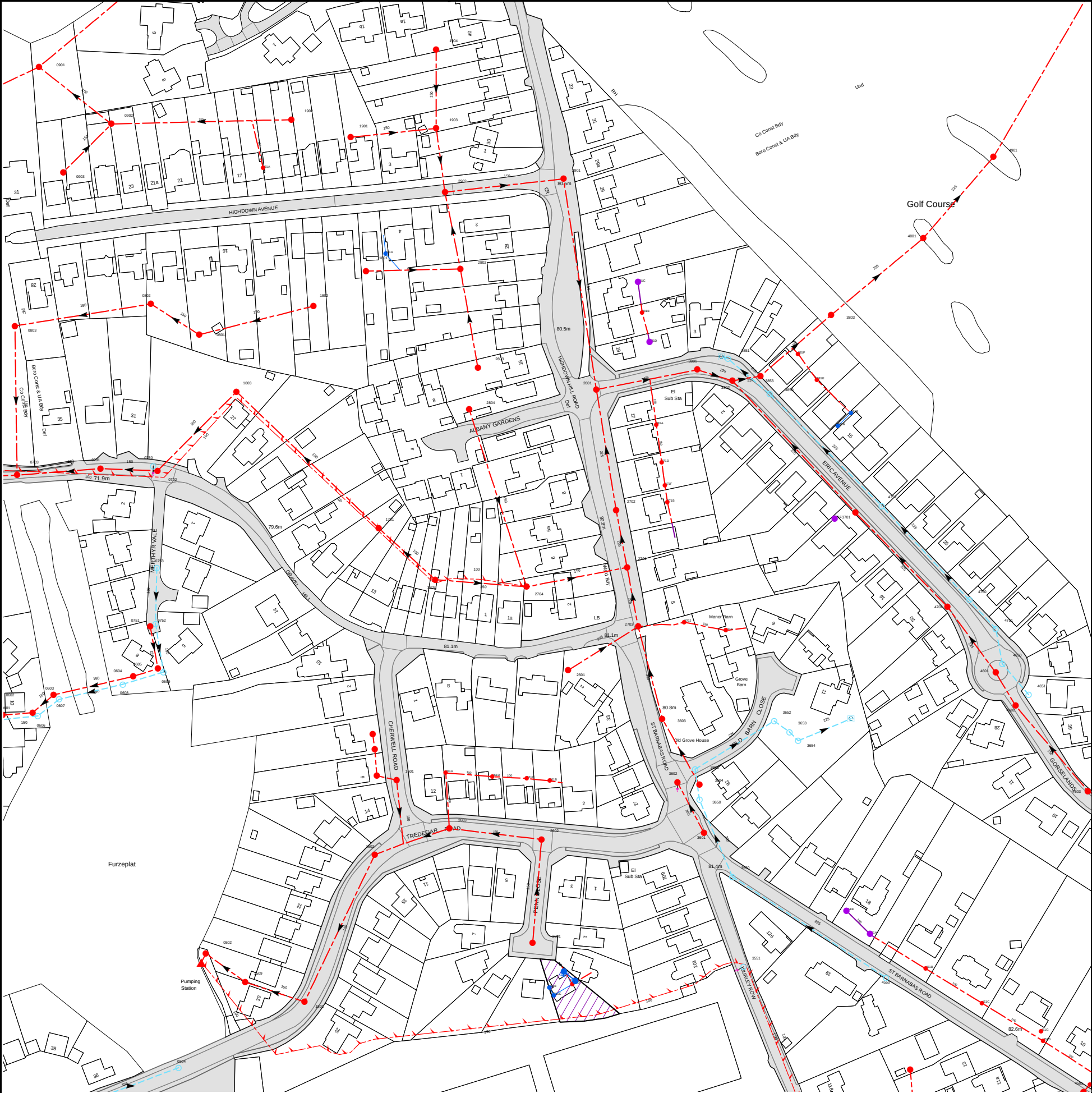
The width of the displayed area is 500m and the centre of the map is located at OS coordinates 471750,177250

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NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

Manhole Reference	Manhole Cover Level	Manhole Invert Level
941A	n/a	n/a
911A	n/a	n/a
921I	n/a	n/a
9302	88.65	87.33
9301	88.48	86.41
9352	90.64	89.04
9351	89.54	86.71
931A	n/a	n/a
931D	n/a	n/a
931E	n/a	n/a
9401	n/a	n/a
931B	n/a	n/a
9350	90.13	87.06
931C	n/a	n/a
9451	91.8	90.14
621C	n/a	n/a
6208	63.89	62.73
6250	n/a	n/a
6204	64.39	62.67
621A	n/a	n/a
621D	n/a	n/a
6207	64.33	62.44
621B	n/a	n/a
6203	64.3	63.15
6150	65.94	65.05
621E	n/a	n/a
6202	67.03	65.75
6201	69.09	67.97
611A	n/a	n/a
711B	n/a	n/a
7201	n/a	n/a
8350	84.59	83.33
8251	84.41	82.93
8202	84.38	82.8
811A	n/a	1.1
8301	85.67	84.81
8250	83.35	81.96
8201	83.24	81.25
8302	86.89	84.44
8351	86.93	84.39
9303	n/a	n/a
9150	81.75	80.4
9101	81.78	80.08
9151	81.73	80.61
9152	81.95	80.81
9153	84.25	82.82
9154	85.57	84.1
921D	n/a	n/a
921C	n/a	n/a
921B	n/a	n/a
921A	n/a	n/a
90ZR	n/a	n/a
9050	81.32	79.89
9001	81.2	79.45
90ZS	n/a	n/a
90ZT	n/a	n/a
90ZV	n/a	n/a
90ZW	n/a	n/a
90ZX	n/a	n/a
8052	79.51	78.68
6001	78.65	74.9
6050	78.64	76.48
8002	77.09	75.41
80ZP	n/a	n/a
8051	77.12	75.29
6002	77.71	75.39
7002	77.28	74.61
7051	77.18	75.71
8001	80.04	78.08
9051	80.1	78.38
80ZS	n/a	n/a
7050	75.06	73.88
7001	74.57	72.94
70YY	n/a	n/a
7150	74.27	73.44
81ZY	n/a	n/a
7151	73.52	73.1
7101	73.37	71.58
7152	73.46	72.78
711A	n/a	n/a
7153	70.74	70.1
6101	69.8	67.62
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The width of the displayed area is 500m and the centre of the map is located at OS coordinates 471250,176750

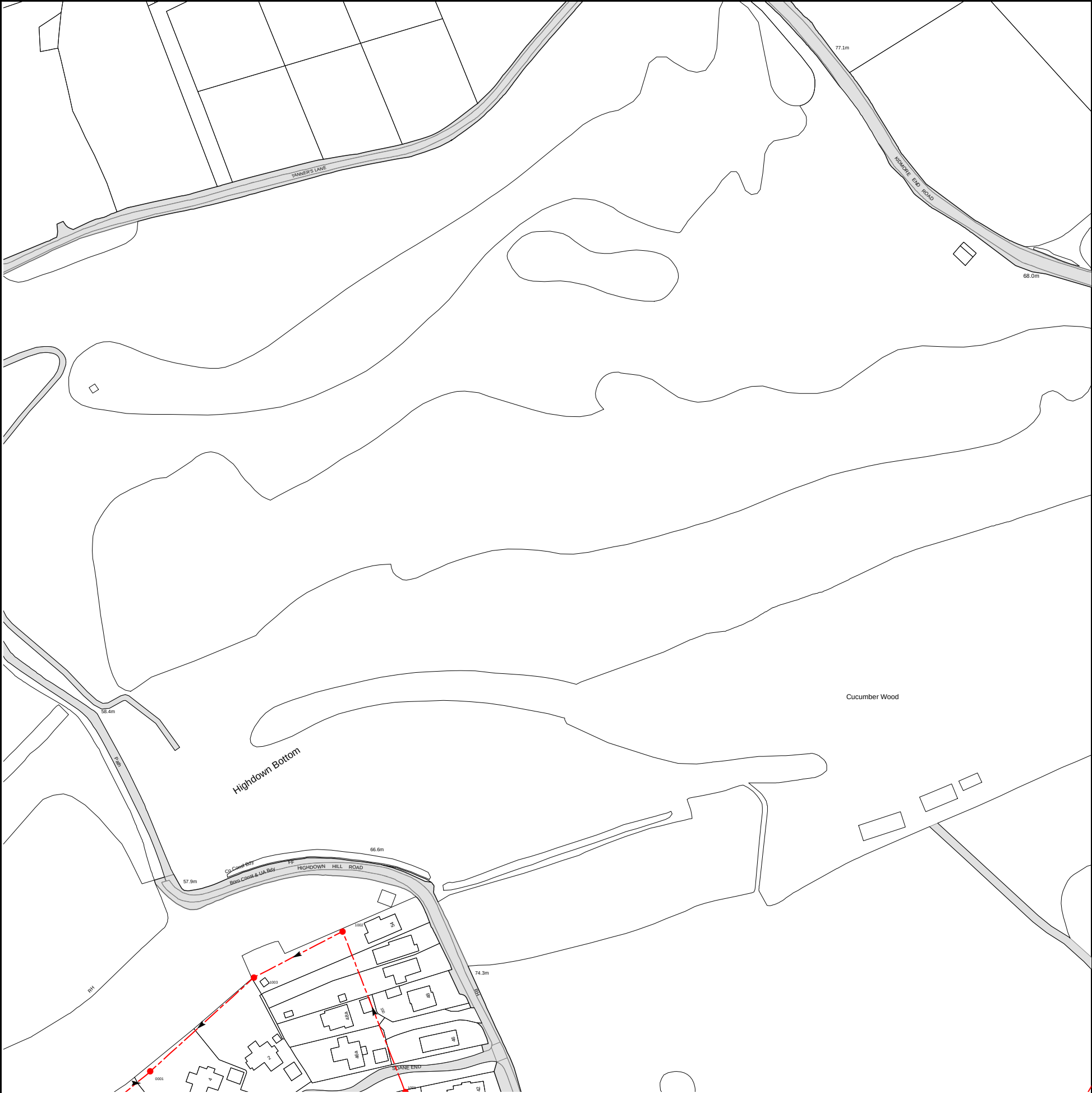
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Manhole Reference	Manhole Cover Level	Manhole Invert Level
181A	n/a	n/a
281C	n/a	n/a
281B	n/a	n/a
281D	n/a	n/a
371F	n/a	n/a
371E	n/a	n/a
251B	n/a	n/a
251C	n/a	n/a
n/a	n/a	n/a
251D	n/a	n/a
n/a	n/a	n/a
451B	n/a	n/a
351A	n/a	n/a
4603	82.56	80.79
4602	81.63	80.5
4651	81.82	n/a
4601	81.57	80.25
4650	81.43	n/a
4751	81.14	79.94
4701	80.78	79.23
4750	80.83	79.58
4752	79.99	78.61
4801	78.26	76.56
4901	77.45	76.3
451F	n/a	n/a
451E	n/a	n/a
4550	82.06	80.44
45ZV	n/a	n/a
451C	n/a	n/a
451G	n/a	n/a
451D	n/a	n/a
4501	82.88	81.02
2601	81.18	n/a
2702	80.85	77.98
2701	80.86	78.12
2703	80.79	78.19
281A	n/a	n/a
371D	n/a	n/a
3603	n/a	n/a
371B	n/a	n/a
3602	80.56	79.18
3702	80.64	78.16
3651	80.65	79.41
3650	80.76	79.49
3604	n/a	n/a
3601	80.97	79.75
371C	n/a	n/a
3550	81.65	80
3551	81.88	80.23
3850	79.17	77.63
3652	80.06	78.1
3653	80.04	77.72
3654	n/a	n/a
381A	n/a	n/a
351B	n/a	n/a
3655	n/a	n/a
381B	n/a	n/a
3701	79.99	78.31
0606	54.79	51.55
0601	51.96	49.28
0602	54.77	51.54
0607	58.54	55.35
0603	58.41	55.08
0608	66.12	64.77
1803	n/a	n/a
2801	80.63	77.53
3802	79.08	77.13
381E	n/a	n/a
3853	n/a	n/a
3801	79.37	77.28
2803	n/a	n/a
3851	79.38	77.33
3852	n/a	77.06
381F	n/a	n/a
0801	n/a	n/a
3803	78.64	76.88
1802	80.7	79.76
0802	n/a	n/a
1801	n/a	n/a
2802	n/a	n/a
2902	80.75	78.86
2901	80.65	78.42
191A	n/a	n/a
1901	n/a	n/a
1903	n/a	n/a
1902	80.48	79.39
1904	n/a	n/a
0604	67.27	65.72
0703	67.84	66.46
0701	70.85	70.35

Manhole Reference	Manhole Cover Level	Manhole Invert Level
0803	n/a	n/a
0903	n/a	n/a
0902	77.84	76.13
0901	n/a	n/a
0751	70.82	67.78
0750	73.43	n/a
0752	70.85	69.3
0753	72.79	70.84
0702	73.65	72.5
0605	69.84	66.48
0609	70.15	68.74
0504	74.29	72.44
0502	74.36	72.76
1509	78.42	76.37
1501	78.31	76.95
16ZV	n/a	n/a
1602	81.23	77.82
16ZT	n/a	n/a
16ZS	n/a	n/a
1701	n/a	n/a
1601	81.28	79.45
1702	n/a	n/a
261A	n/a	n/a
2603	81.1	78.18
2804	n/a	n/a
261D	n/a	n/a
2704	81.27	79.03
261C	n/a	n/a
2501	81.14	79.09
2602	81	78.62
261B	n/a	n/a
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Manhole Reference	Manhole Cover Level	Manhole Invert Level
1001	n/a	n/a
0001	n/a	n/a
1003	n/a	n/a
1002	n/a	n/a
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Asset Location Search - Sewer Key

Public Sewer Types (Operated and maintained by Thames Water)

	Foul Sewer: A sewer designed to convey waste water from domestic and industrial sources to a treatment works.
	Surface Water Sewer: A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.
	Combined Sewer: A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.
	Storm Sewer
	Sludge Sewer
	Foul Trunk Sewer
	Surface Trunk Sewer
	Combined Trunk Sewer
	Foul Rising Main
	Surface Water Rising Main
	Combined Rising Main
	Vacuum
	Thames Water Proposed
	Vent Pipe
	Gallery

Other Sewer Types (Not operated and maintained by Thames Water)

	Sewer		Culverted Watercourse
	Proposed		Decommissioned Sewer
	Content of this drainage network is currently unknown		Ownership of this drainage network is currently unknown

Notes:

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plan are metric.
- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate the direction of flow.
- 4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.

Sewer Fittings

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

	Air Valve		Meter
	Dam Chase		Vent
	Fitting		

Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

	Ancillary		Drop Pipe
	Control Valve		Weir

End Items

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol. Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

	Inlet		Outfall
	Undefined End		

Other Symbols

Symbols used on maps which do not fall under other general categories.

	Change of Characteristic Indicator		Public / Private Pumping Station
	Invert Level		Summit

Areas

Lines denoting areas of underground surveys, etc.

	Agreement
	Chamber
	Operational Site

Ducts or Crossings

	Casement	Ducts may contain high voltage cables. Please check with Thames Water.
	Conduit Bridge	
	Subway	
	Tunnel	

5) 'na' or '0' on a manhole indicates that data is unavailable.

6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in millimeters. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology, please contact Property Searches on 0800 009 4540.



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Asset Location Search - Water Key

Water Pipes (Operated & Maintained by Thames Water)

-  **Distribution Main:** The most common pipe shown on water maps. With few exceptions, domestic connections are only made to distribution mains.
-  **Trunk Main:** A main carrying water from a source of supply to a treatment plant or reservoir, or from one treatment plant or reservoir to another. Also a main transferring water in bulk to smaller water mains used for supplying individual customers.
-  **Supply Main:** A supply main indicates that the water main is used as a supply for a single property or group of properties.
-  **Fire Main:** Where a pipe is used as a fire supply, the word FIRE will be displayed along the pipe.
-  **Metered Pipe:** A metered main indicates that the pipe in question supplies water for a single property or group of properties and that quantity of water passing through the pipe is metered even though there may be no meter symbol shown.
-  **Transmission Tunnel:** A very large diameter water pipe. Most tunnels are buried very deep underground. These pipes are not expected to affect the structural integrity of buildings shown on the map provided.
-  **Proposed Main:** A main that is still in the planning stages or in the process of being laid. More details of the proposed main and its reference number are generally included near the main.

PIPE DIAMETER	DEPTH BELOW GROUND
Up to 300mm (12")	900mm (3')
300mm - 600mm (12" - 24")	1100mm (3' 8")
600mm and bigger (24" plus)	1200mm (4')

Valves

-  General Purpose Valve
-  Air Valve
-  Pressure Control Valve
-  Customer Valve

Hydrants

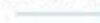
-  Single Hydrant

Meters

-  Meter

End Items

Symbol indicating what happens at the end of a water main.

-  Blank Flange
-  Capped End
-  Emptying Pit
-  Undefined End
-  Manifold
-  Customer Supply
-  Fire Supply

Operational Sites

-  Booster Station
-  Other
-  Other (Proposed)
-  Pumping Station
-  Service Reservoir
-  Shaft Inspection
-  Treatment Works
-  Unknown
-  Water Tower

Other Symbols

-  Data Logger
-  **Casement:** Ducts may contain high voltage cables. Please check with Thames Water.

Other Water Pipes (Not Operated or Maintained by Thames Water)

-  **Other Water Company Main:** Occasionally other water company water pipes may overlap the border of our clean water coverage area. These mains are denoted in purple and in most cases have the owner of the pipe displayed along them.
-  **Private Main:** Indicates that the water main in question is not owned by Thames Water. These mains normally have text associated with them indicating the diameter and owner of the pipe.

Terms and Conditions

All sales are made in accordance with Thames Water Utilities Limited (TWUL) standard terms and conditions unless previously agreed in writing.

1. All goods remain in the property of Thames Water Utilities Ltd until full payment is received.
2. Provision of service will be in accordance with all legal requirements and published TWUL policies.
3. All invoices are strictly due for payment 14 days from due date of the invoice. Any other terms must be accepted/agreed in writing prior to provision of goods or service, or will be held to be invalid.
4. Thames Water does not accept post-dated cheques-any cheques received will be processed for payment on date of receipt.
5. In case of dispute TWUL's terms and conditions shall apply.
6. Penalty interest may be invoked by TWUL in the event of unjustifiable payment delay. Interest charges will be in line with UK Statute Law 'The Late Payment of Commercial Debts (Interest) Act 1998'.
7. Interest will be charged in line with current Court Interest Charges, if legal action is taken.
8. A charge may be made at the discretion of the company for increased administration costs.

A copy of Thames Water's standard terms and conditions are available from the Commercial Billing Team (cashoperations@thameswater.co.uk).

We publish several Codes of Practice including a guaranteed standards scheme. You can obtain copies of these leaflets by calling us on 0800 316 9800

If you are unhappy with our service you can speak to your original goods or customer service provider. If you are not satisfied with the response, your complaint will be reviewed by the Customer Services Director. You can write to her at: Thames Water Utilities Ltd. PO Box 492, Swindon, SN38 8TU.

If the Goods or Services covered by this invoice falls under the regulation of the 1991 Water Industry Act, and you remain dissatisfied you can refer your complaint to Consumer Council for Water on 0121 345 1000 or write to them at Consumer Council for Water, 1st Floor, Victoria Square House, Victoria Square, Birmingham, B2 4AJ.

Ways to pay your bill

Credit Card	BACS Payment	Telephone Banking	Cheque
Call 0800 009 4540 quoting your invoice number starting CBA or ADS / OSS	Account number 90478703 Sort code 60-00-01 A remittance advice must be sent to: Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW. or email ps.billing@thameswater.co.uk	By calling your bank and quoting: Account number 90478703 Sort code 60-00-01 and your invoice number	Made payable to ' Thames Water Utilities Ltd ' Write your Thames Water account number on the back. Send to: Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW or by DX to 151280 Slough 13

Thames Water Utilities Ltd Registered in England & Wales No. 2366661 Registered Office Clearwater Court, Vastern Rd, Reading, Berks, RG1 8DB.

Maps by email Plant Information Reply



IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.



openreach

CLICK BEFORE YOU DIG

FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE

email cbyd@openreach.co.uk

ADVANCE NOTICE REQUIRED
(Office hours: Monday - Friday 08.00 to 17.00)
www.openreach.co.uk/cbyd

Accidents happen

If you do damage any Openreach equipment please let us know by calling 0800 023 023 (opt 1 + opt 1) and we can get it fixed ASAP

KEY TO BT SYMBOLS

		Change Of State	+	Hatchings	
	<i>Planned</i>	<i>Live</i>	×	Built	
PCP			▲	Planned	
Pole			■	Inferred	
Box			Ⓚ	Duct	
Manhole			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.		
Cabinet					
	<i>Pending Add</i>	<i>In Place</i>	<i>Pending Remove</i>	<i>Not In Use</i>	
Power Cable					
Power Duct				N/A	

BT Ref : DCK12392Z

Map Reference : (centre) SU7138977088

Easting/Northing : (centre) 471389,177088

Issued : 05/08/2022 12:39:58

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WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk

Maps by email Plant Information Reply



IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.



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(Office hours: Monday - Friday 08.00 to 17.00)
www.openreach.co.uk/cbyd

Accidents happen

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KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling	×	Built	
Pole			Duct Tee	▲	Planned	
Box			Building		Inferred	
Manhole			Kiosk		Duct	
Cabinet			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : DHK072250

Map Reference : (centre) SU7154777220

Easting/Northing : (centre) 471547,177220

Issued : 17/08/2022 19:23:04

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Enquirer			
Name	Mr Aaron Nickless	Phone	01952686570
Company	Apogee	Mobile	Not Supplied
Address	Blount House Hall Park Way Hall Court Blount House Hall Park Court Hall Park Way Telford Shropshire TF3 4NQ		
Email	aaron.nickless@apogeeutilityconsultants.co.uk		

Enquiry Details			
Scheme/Reference	424345		
Enquiry type	Initial Enquiry	Work category	Utility Works
Start date	18/08/2022	Work type	Single excavations site (deeper than 1m)
End date	19/09/2022	Site size	64948 metres square
Searched location	RG4 8QP	Work type buffer*	50 metres
Confirmed location	471389 177088		
Site Contact Name	Not Supplied	Site Phone No	Not Supplied
Description of Works			

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



Asset Owners

Terms and Conditions. Please note that this enquiry is subject always to our standard terms and conditions available at www.lineasearchbeforeudig.co.uk ("Terms of Use") and the disclaimer at the end of this document. Please note that in the event of any conflict or ambiguity between the terms of this Enquiry Confirmation and the Terms of Use, the Terms of Use shall take precedence.

Notes. Please ensure your contact details are correct and up to date on the system in case the LSBUD Members need to contact you.

Validity and search criteria. The results of this enquiry are based on the confirmed information you entered and are valid only as at the date of the enquiry. It is your responsibility to ensure that the Enquiry Details are correct, and LineasearchbeforeUdig accepts no responsibility for any errors or omissions in the Enquiry Details or any consequences thereof. LSBUD Members update their asset information on a regular basis so you are advised to consider this when undertaking any works. It is your responsibility to choose the period of time after which you need to resubmit any enquiry but the maximum time (after which your enquiry will no longer be dealt with by the LSBUD Helpdesk and LSBUD Members) is 28 days. If any details of the enquiry change, particularly including, but not limited to, the location of the work, then a further enquiry must be made.

Asset Owners & Responses. Please note the enquiry results include the following:

1. "LSBUD Members" who are asset owners who have registered their assets on the LSBUD service.
2. "Non LSBUD Members" are asset owners who have not registered their assets on the LSBUD service but LSBUD is aware of their existence. Please note that there could be other asset owners within your search area.

Below are three lists of asset owners:

1. LSBUD Members who have assets registered within your search area. ("Affected")
 - a. These LSBUD Members will either:
 - i. Ask for further information ("Email Additional Info" noted in status). The additional information includes: Site contact name and number, Location plan, Detailed plan (minimum scale 1:2500), Cross sectional drawings (if available), Work Specification.
 - ii. Respond directly to you ("Await Response"). In this response they may either send plans directly to you or ask for further information before being able to do so, particularly if any payments or authorisations are required.
2. LSBUD Members who do not have assets registered within your search area. ("Not Affected")
3. Non LSBUD Members who may have assets within your search area. Please note that this list is not exhaustive and all details are provided as a guide only. It is your responsibility to identify and consult with all asset owners before proceeding.

LSBUD Members who have assets registered on the LSBUD service within the vicinity of your search area.

List of affected LSBUD members

Asset Owner	Phone/Email	Emergency Only	Status
Scottish and Southern Electricity Networks	08000483516	08000727282	Await response
SGN	08009121722	0800111999	Await response

LSBUD Members who do not have assets registered on the LSBUD service within the vicinity of your search area. Please be aware that LSBUD Members make regular changes to their assets and this list may vary for new enquiries in the same area.

List of not affected LSBUD members

Angus Energy	AWE Pipeline	Balfour Beatty Investments Limited
BOC Limited (A Member of the Linde Group)	Box Broadband	BP Exploration Operating Company Limited
BPA	Cadent Gas	Carrington Gas Pipeline
CATS Pipeline c/o Wood Group PSN	Cemex	Centrica Storage Ltd
CNG Services Ltd	Concept Solutions People Ltd	ConocoPhillips (UK) Teesside Operator Ltd
D.S.Smith	Diamond Transmission Corporation	DIO (MOD Abandoned Pipelines)
DIO (MOD Live Pipelines)	E.ON UK CHP Limited	EirGrid
Eleclink Limited	Electricity North West Limited	Energy Assets Pipelines
ENI & Himor c/o Penspen Ltd	EnQuest NNS Limited	EP Langage Limited
ESP Utilities Group	ESSAR	Esso Petroleum Company Limited
euNetworks Fiber UK Ltd	EXA Infrastructure	Exolum Pipeline System
Fulcrum Electricity Assets Limited	Fulcrum Pipelines Limited	Gamma
Gas Networks Ireland (UK)	Gateshead Energy Company	Gigaclear Ltd
Harbour Energy	Heathrow Airport LTD	Humbly Grove Energy
IGas Energy	INEOS FPS Pipelines	INEOS Manufacturing (Scotland and TSEP)
INOVYN ChlorVinyls Limited	INOVYN Enterprises Limited	Intergen (Coryton Energy or Spalding Energy)
Jurassic Fibre Ltd	Last Mile	Mainline Pipelines Limited
Manchester Jetline Limited	Manx Cable Company	Marchwood Power Ltd (Gas Pipeline)
Melbourn Solar Limited	Moray East Offshore Windfarm	Murphy Utility Assets
National Grid Electricity Transmission	National Grid Gas Transmission	Neos Networks
Northumbrian Water Group	NPower CHP Pipelines	NTT Global Data Centers EMEA UK Ltd
NYnet Ltd	Oikos Storage Limited	Ørsted
Palm Paper Ltd	Perenco UK Limited (Purbeck Southampton Pipeline)	Petroineos
Phillips 66	Portsmouth Water	Premier Transmission Ltd (SNIP)
Redundant Pipelines - LPDA	RWE - Great Yarmouth Pipeline (Bacton to Great Yarmouth Power Station)	RWEnpower (Little Barford and South Haven)
SABIC UK Petrochemicals	SAS Utility Services Ltd	Scottish Power Generation
Seabank Power Ltd	SES Water	Shell
Shell NOP	SP Energy Networks	Squire Energy Networks
SSE Generation Ltd	SSE Transmission	SSE Utility Solutions Limited

Tata Communications (c/o JSM Construction Ltd)	Total Colnbrook Pipelines	Total Finaline Pipelines
Transmission Capital	UK Power Networks	Uniper UK Ltd
University of Cambridge Granta Backbone Network	Vattenfall	Veolia ES SELCHP Limited
Veolia ES Sheffield Ltd	Voneus Limited	VPI Power Limited
Wales and West Utilities	West of Duddon Sands Transmission Ltd	Western Power Distribution
Westminster City Council	Zayo Group UK Ltd c/o JSM Group Ltd	



AQUA TERRA
CONSULTING

Trial Pit Log

TP01

Page 1 of 1

Project Name: Reading Golf Course Project No: P21335

Location: Reading Golf Course, Emmer Green Co-ords: 51.488099 - -0.973575 Level:

Hole Type: TP Logged By: RLW Dates: 31/08/2022 - 31/08/2022

Client: Fairfax (Reading) Limited and RGC (SODC) Limited Consultant: RLW

Plant Used: JCB SPT Hammer Serial No:

Well	Depth	Legend	Stratum Descriptions	Detailed Description	Depth m
	0.10		Grass covered topsoil with abundant rootlets.		0.5 1.0 1.5 2.0 2.5
	0.40		Dark brown, gravelly SAND. Gravel is medium to coarse, sub angular to sub rounded of flint and chert. Sand is fine to medium. Abundant rootlets throughout. (BLACK PARK GRAVEL MEMBER)		
	2.90		Orangish brown, gravelly SAND. Gravel is fine to coarse, sub angular to sub rounded of flint, sandstone and rare fine chalk. Sand is coarse. (BLACK PARK GRAVEL MEMBER)	At 2.2m bgl: Occasional coarse chalk clasts.	

Agreed position on Site with Client and trial pit cleared with CAT and genny. Three rounds of soakaway testing undertaken. Pit collapsed to 2.2m bgl.



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Trial Pit Log

TP02
Page 1 of 1

Project Name: Reading Golf Course Project No: P21335
Location: Reading Golf Course, Emmer Green Co-ords: 51.487887 - -0.974512 Level:
Hole Type: TP Logged By: RLW Dates: 31/08/2022 - 31/08/2022
Client: Fairfax (Reading) Limited and RGC (SODC) Limited Consultant: RLW
Plant Used: JCB SPT Hammer Serial No:

Well	Depth	Legend	Stratum Descriptions	Detailed Description	Depth m
	0.05		Grass covered topsoil with abundant rootlets.		
	0.30		Dark brown, gravelly SAND. Gravel is fine to medium, sub angular to sub rounded of flint. Abundant rootlets throughout. (BLACK PARK GRAVEL MEMBER)		
			Orangish brown, gravelly SAND. Gravel is fine to coarse, sub angular to sub rounded of flint and chert. Sand is medium to coarse. (BLACK PARK GRAVEL MEMBER)		0.5
					1.0
					1.5
					2.0
					2.5
	2.90				

Agreed position on Site with Client and trial pit cleared with CAT and genny. Pit backfilled with gravel to 1.5m bgl and three rounds of soakaway testing undertaken. Installed with 1.4m of plain and 1.5m of slotted pipe.



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Trial Pit Log

TP03

Page 1 of 1

Project Name: Reading Golf Course Project No: P21335

Location: Reading Golf Course, Emmer Green Co-ords: 51.48703 - -0.9735482 Level:

Hole Type: TP Logged By: RLW Dates: 31/08/2022 - 31/08/2022

Client: Fairfax (Reading) Limited and RGC (SODC) Limited Consultant: RLW

Plant Used: JCB SPT Hammer Serial No:

Well	Depth	Legend	Stratum Descriptions	Detailed Description	Depth m
	0.05		Grass covered topsoil with abundant rootlets.		
	0.30		Dark brown, gravelly SAND. Gravel is medium to coarse, sub angular to sub rounded of flint and chert. Sand is medium. Abundant rootlets throughout. (BLACK PARK GRAVEL MEMBER)		
			Orangish brown, gravelly SAND. Gravel is fine to coarse, predominantly coarse with rare cobbles, sub angular of flint and occasional sandstone. Sand is coarse.(BLACK PARK GRAVEL MEMBER)		0.5 1.0 1.5 2.0 2.5
	3.00				

Agreed position on Site with Client and trial pit cleared with CAT and genny. Three rounds of soakaway testing undertaken.



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Trial Pit Log

TP04

Page 1 of 1

Project Name: Reading Golf Course Project No: P21335

Location: Reading Golf Course, Emmer Green Co-ords: 51.48797 - -0.972192 Level:

Hole Type: TP Logged By: RLW Dates: 01/09/2022 - 01/09/2022

Client: Fairfax (Reading) Limited and RGC (SODC) Limited Consultant: RLW

Plant Used: JCB SPT Hammer Serial No:

Well	Depth	Legend	Stratum Descriptions	Detailed Description	Depth m
	0.05		Grass covered topsoil with abundant rootlets.		
	0.40		Dark brown, sandy GRAVEL. Gravel is fine to coarse, predominantly medium, sub angular of flint, chert and rare chalk. Sand is fine to medium. Abundant rootlets. (BLACK PARK GRAVEL MEMBER)		
			Loose, orangish brown, gravelly SAND. Gravel is fine to coarse, with rare cobbles, sub angular to sub rounded of flint and chalk. Sand is coarse. (BLACK PARK GRAVEL MEMBER)	At 1.6m bgl: 40cm pocket of off white CHALK. At 2.8m bgl: Becoming a sandy, slightly gravelly CLAY.	0.5 1.0 1.5 2.0 2.5
	3.00				

Agreed position on Site with Client and trial pit cleared with CAT and genny. Pit backfilled with gravel to 1m bgl and three rounds of soakaway testing undertaken. Installed with 2m of plain and 1m of slotted pipe.



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Trial Pit Log

TP05

Page 1 of 1

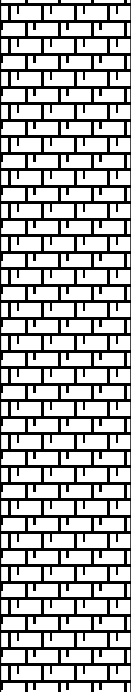
Project Name: Reading Golf Course Project No: P21335

Location: Reading Golf Course, Emmer Green Co-ords: 51.489055 - -0.971322 Level:

Hole Type: TP Logged By: RLW Dates: 01/09/2022 - 01/09/2022

Client: Fairfax (Reading) Limited and RGC (SODC) Limited Consultant: RLW

Plant Used: JCB SPT Hammer Serial No:

Well	Depth	Legend	Stratum Descriptions	Detailed Description	Depth m
	0.05		Grass covered topsoil with abundant rootlets.		
	0.30		Dark brown, slightly gravelly SAND. Gravel is fine, sub angular to sub rounded of flint. Sand is fine. Abundant rootlets. (BLACK PARK GRAVEL MEMBER)		
			Orangish brown, gravelly SAND. Gravel is fine to coarse, with rare cobbles, sub angular to sub rounded of flint and chalk. Sand is medium to coarse. (BLACK PARK GRAVEL MEMBER)	At 0.9m bgl: 30cm pocket of off white CHALK.	0.5
					1.0
					1.5
	1.70		Structureless CHALK composed of off white, slightly clayey GRAVEL. Gravel is fine to coarse, predominantly coarse with occasional cobbles, sub angular to sub rounded of high density chalk and flint. Grade Dc. (WHITE CHALK)		2.0
					2.5
	3.00				

Agreed position on Site with Client and trial pit cleared with CAT and genny. Three rounds of soakaway testing undertaken.



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CONSULTING

Trial Pit Log

TP06

Page 1 of 1

Project Name: Reading Golf Course Project No: P21335

Location: Reading Golf Course, Emmer Green Co-ords: 51.489289 - -0.969972 Level:

Hole Type: TP Logged By: RLW Dates: 01/09/2022 - 01/09/2022

Client: Fairfax (Reading) Limited and RGC (SODC) Limited Consultant: RLW

Plant Used: JCB SPT Hammer Serial No:

Well	Depth	Legend	Stratum Descriptions	Detailed Description	Depth m
	0.05		Grass covered topsoil with abundant rootlets.		
	0.20		Dark brown, gravelly SAND. Sand is fine. Gravel is fine to medium, sub rounded of flint. (BLACK PARK GRAVEL MEMBER)		
			Soft, orangish brown, sandy, slightly gravelly CLAY. Sand is fine. Gravel is fine to coarse, predominantly fine, sub rounded of flint, rare chalk and rare shell fragments. (BLACK PARK GRAVEL MEMBER)		0.5
					1.0
	1.50		Structureless CHALK composed of off white GRAVEL. Gravel is fine to coarse, predominantly coarse of hgh density chalk and flint. Occasional cobbles of flint throughout. Grade Dc. (WHITE CHALK)		1.5
					2.0
					2.5
	2.90				

Agreed position on Site with Client and trial pit cleared with CAT and genny. Pit backfilled with gravel to 1m bgl and three rounds of soakaway testing undertaken. Installed with 1.9m of plain and 1m of slotted pipe.

BRE SOAKAWAY INFILTRATION RATE CALCULATION

The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title:	Reading Golf Course			Project number:	P21335
Trial pit number:	TP01	Test number:	1	Date of test:	31/08/2022
Test carried out by:	RLW	Calculations by:	RLW	Verified by:	JEM

Details of pit

Actual depth of pit, D'	(m)	2.9
Effective depth of Pit, D ⁽¹⁾	(m)	1.11
Length of Pit, L	(m)	1.9
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0

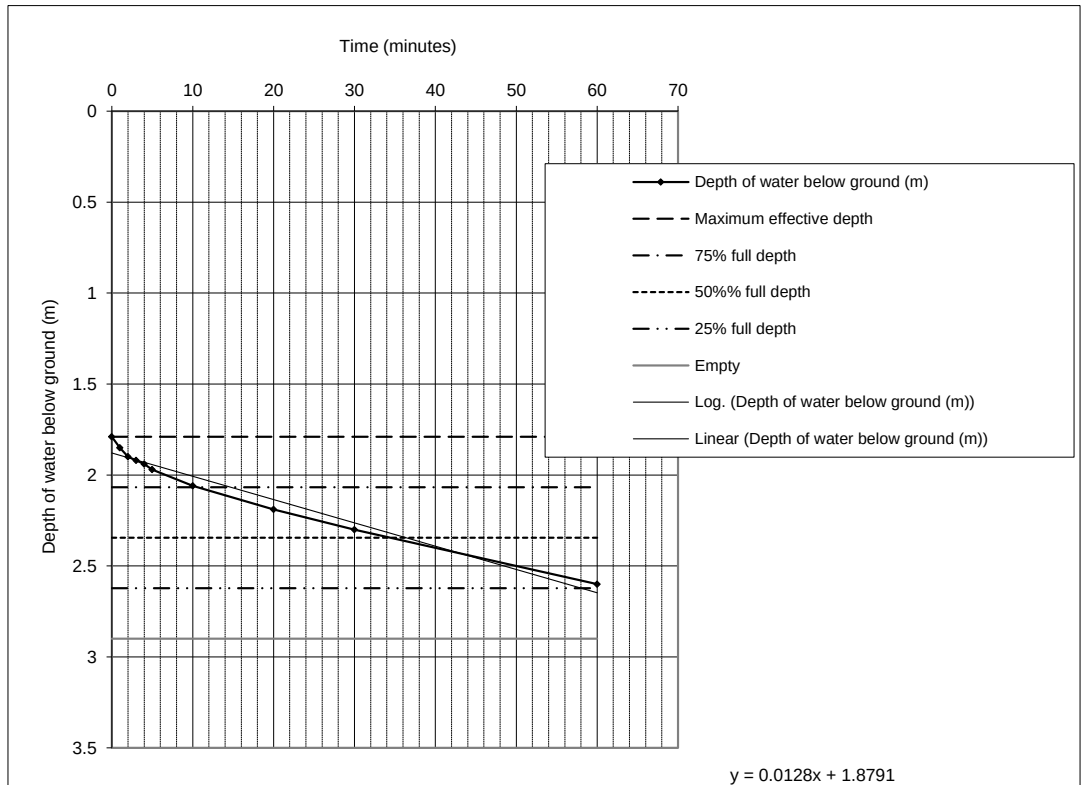
Notes:

- (1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.
- (2) Typically, for a gravel of dry density 18kN/m³, specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16kN/m³, the rock volume is 0.61 (61%), and for dry density 20kN/m³, it is 0.77 (77%). If the pit is left open (gravel is not used) then put P_g = 0.

Volume, V, of pit between 75% and 25% depths (m ³) = L x W x ½D =	0.74
Effective volume between 75% and 25% depths, V _{p75-25} = V x P _g =	0.74
Internal surface area of pit up to 50% level, a _{p50} (m ²)	4.22
= area of 2 sides + 2 ends + base = (2 x L x ½D) + (2 x W x ½D) + (L x W)	

Water level readings

Time elapsed (min)	Depth of water below ground (m)
0	1.79
1	1.85
2	1.9
3	1.92
4	1.94
5	1.97
10	2.06
20	2.19
30	2.3
60	2.6



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Extrapolated Time for water to drop to 75% effective depth	14.71875	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	58.078125	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	43.359375	
Time taken for water to drop from 75% to 25% (secs)	2601.5625	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.74}{4.22 \times 2601.5625}$$

Soil infiltration rate, f = 6.73E-05 m/s

BRE SOAKAWAY INFILTRATION RATE CALCULATION	
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The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title: Reading Golf Course		Project number: P21335	
Trial pit number: TP01	Test number: 2	Date of test: 31/08/2022	
Test carried out by: RLW	Calculations by: RLW	Verified by: JEM	

Details of pit	
1	1.1
2	2.1
3	3.1
4	4.1
5	5.1
6	6.1
7	7.1
8	8.1
9	9.1
10	10.1
11	11.1
12	12.1
13	13.1
14	14.1
15	15.1
16	16.1
17	17.1
18	18.1
19	19.1
20	20.1
21	21.1
22	22.1
23	23.1
24	24.1
25	25.1
26	26.1
27	27.1
28	28.1
29	29.1
30	30.1
31	31.1
32	32.1
33	33.1
34	34.1
35	35.1
36	36.1
37	37.1
38	38.1
39	39.1
40	40.1
41	41.1
42	42.1
43	43.1
44	44.1
45	45.1
46	46.1
47	47.1
48	48.1
49	49.1
50	50.1
51	51.1
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73	73.1
74	74.1
75	75.1
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77	77.1
78	78.1
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81	81.1
82	82.1
83	83.1
84	84.1
85	85.1
86	86.1
87	87.1
88	88.1
89	89.1
90	90.1
91	91.1
92	92.1
93	93.1
94	94.1
95	95.1
96	96.1
97	97.1
98	98.1
99	99.1
100	100.1

Actual depth of pit, D'	(m)	2.6
Effective depth of Pit, D ⁽¹⁾	(m)	1.02
Length of Pit, L	(m)	1.9
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0

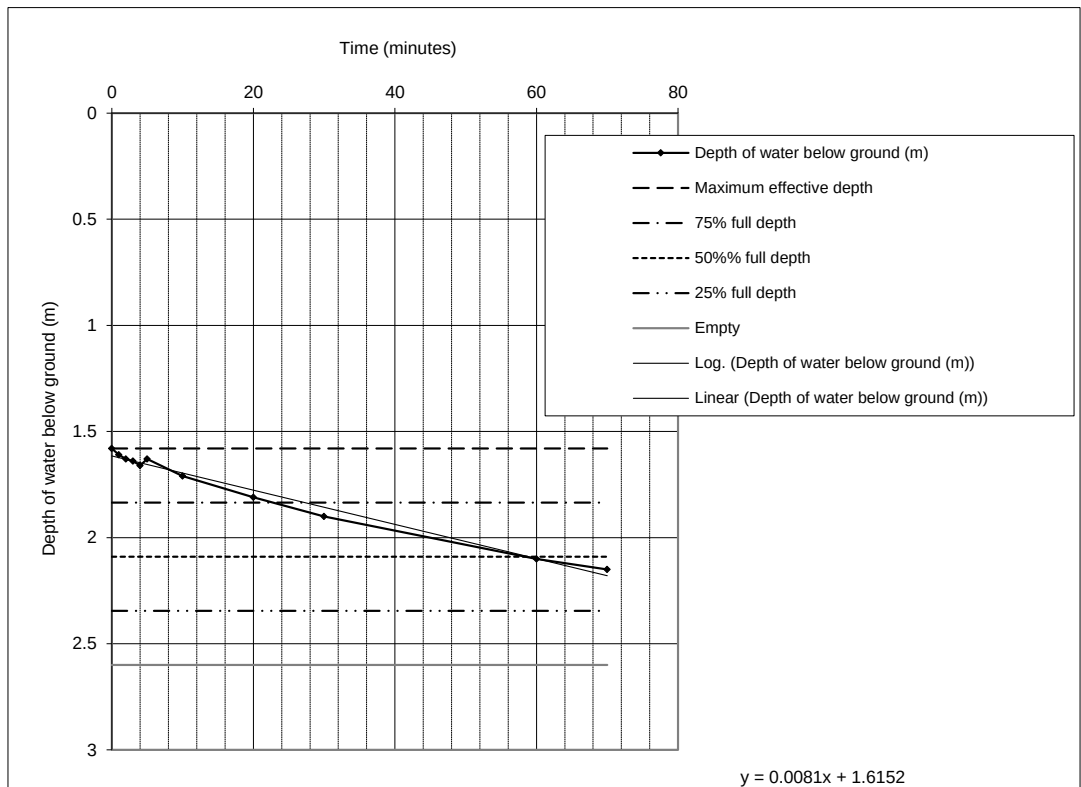
Notes:

(1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.

Volume, V, of pit between 75% and 25% depths (m^3) = $L \times W \times \frac{1}{2}D$ =	0.68
Effective volume between 75% and 25% depths, V_{p75-25} , = $V \times P_g$ =	0.68
Internal surface area of pit up to 50% level, a_{p50} , (m^2) = area of 2 sides + 2 ends + base = $(2 \times L \times \frac{1}{2}D) + (2 \times W \times \frac{1}{2}D) + (L \times W)$	3.98

(2) Typically, for a gravel of dry density 18 kN/m^3 , specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16 kN/m^3 , the rock volume is 0.61 (61%), and for dry density 20 kN/m^3 , it is 0.77 (77%). If the pit is left open (gravel is not used) then put $P_g = 0$.

Water level readings

[illegible]

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Extrapolated Time for water to drop to 75% effective depth	27.1358025	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	90.0987654	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	62.962963	
Time taken for water to drop from 75% to 25% (secs)	3777.77778	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.68}{3.98 \times 3777.77778}$$

Soil infiltration rate, f	=	4.51E-05	m/s
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BRE SOAKAWAY INFILTRATION RATE CALCULATION	
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The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title: Reading Golf Course		Project number: P21335	
Trial pit number: TP01	Test number: 3	Date of test: 31/08/2022	
Test carried out by: RLW	Calculations by: RLW	Verified by: JEM	

Details of pit	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
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29	29
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31	31
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79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Actual depth of pit, D'	(m)	2.23
Effective depth of Pit, D ⁽¹⁾	(m)	0.85
Length of Pit, L	(m)	1.9
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0

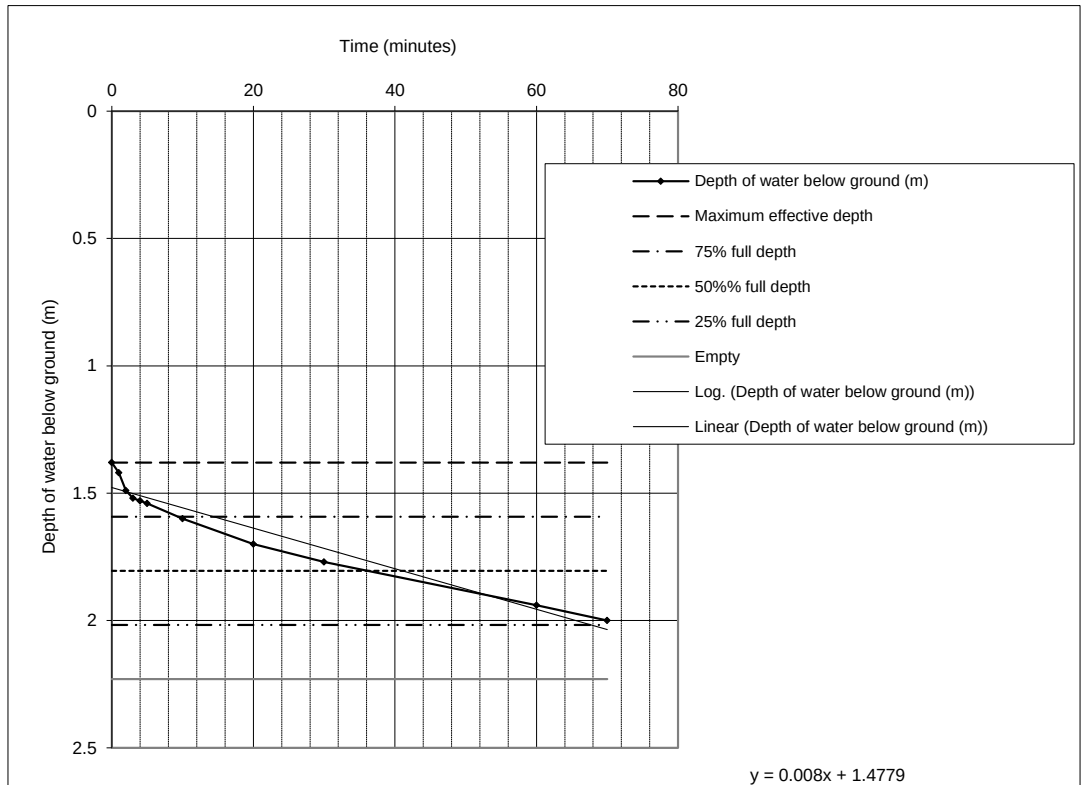
Notes:

(1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.

Volume, V, of pit between 75% and 25% depths (m^3) = $L \times W \times \frac{1}{2}D$ =	0.57
Effective volume between 75% and 25% depths, V_{p75-25} , = $V \times P_g$ =	0.57
Internal surface area of pit up to 50% level, a_{p50} , (m^2) = area of 2 sides + 2 ends + base = $(2 \times L \times \frac{1}{2}D) + (2 \times W \times \frac{1}{2}D) + (L \times W)$	3.54

(2) Typically, for a gravel of dry density 18 kN/m^3 , specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16 kN/m^3 , the rock volume is 0.61 (61%), and for dry density 20 kN/m^3 , it is 0.77 (77%). If the pit is left open (gravel is not used) then put $P_g = 0$.

Water level readings

[illegible]

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Extrapolated Time for water to drop to 75% effective depth	14.325	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	67.45	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	53.125	
Time taken for water to drop from 75% to 25% (secs)	3187.5	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.57}{3.54 \times 3187.5}$$

Soil infiltration rate, f	=	5.01E-05	m/s
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[illegible]

The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title: Reading Golf Course		Project number: P21335	
Trial pit number: TP02	Test number: 1	Date of test: 31/08/2022	
Test carried out by: RLW	Calculations by: RLW	Verified by: JEM	

Details of pit	
1	1.1
2	2.1
3	3.1
4	4.1
5	5.1
6	6.1
7	7.1
8	8.1
9	9.1
10	10.1
11	11.1
12	12.1
13	13.1
14	14.1
15	15.1
16	16.1
17	17.1
18	18.1
19	19.1
20	20.1
21	21.1
22	22.1
23	23.1
24	24.1
25	25.1
26	26.1
27	27.1
28	28.1
29	29.1
30	30.1
31	31.1
32	32.1
33	33.1
34	34.1
35	35.1
36	36.1
37	37.1
38	38.1
39	39.1
40	40.1
41	41.1
42	42.1
43	43.1
44	44.1
45	45.1
46	46.1
47	47.1
48	48.1
49	49.1
50	50.1
51	51.1
52	52.1
53	53.1
54	54.1
55	55.1
56	56.1
57	57.1
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74	74.1
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81	81.1
82	82.1
83	83.1
84	84.1
85	85.1
86	86.1
87	87.1
88	88.1
89	89.1
90	90.1
91	91.1
92	92.1
93	93.1
94	94.1
95	95.1
96	96.1
97	97.1
98	98.1
99	99.1
100	100.1

Actual depth of pit, D'	(m)	2.84
Effective depth of Pit, D ⁽¹⁾	(m)	1
Length of Pit, L	(m)	1.8
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0.69

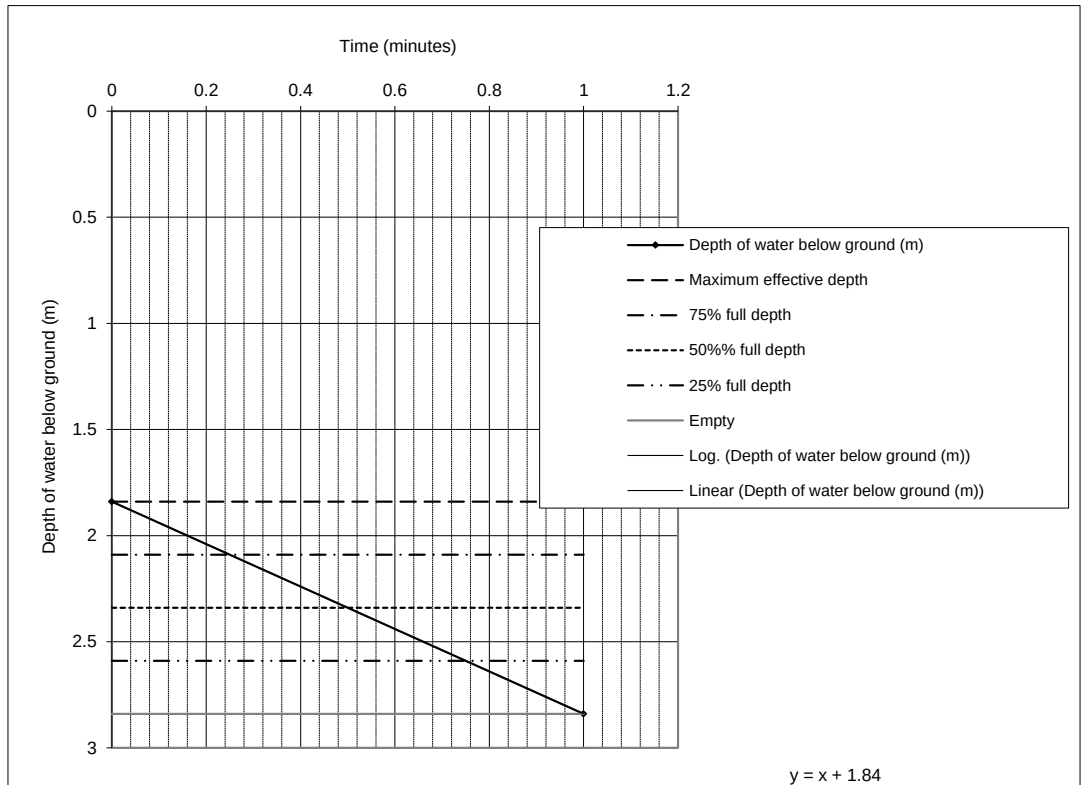
Notes:

(1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.

Volume, V, of pit between 75% and 25% depths (m^3) = $L \times W \times \frac{1}{2}D$ =	0.63
Effective volume between 75% and 25% depths, V_{p75-25} , = $V \times P_g$ =	0.20
Internal surface area of pit up to 50% level, a_{p50} , (m^2) = area of 2 sides + 2 ends + base = $(2 \times L \times \frac{1}{2}D) + (2 \times W \times \frac{1}{2}D) + (L \times W)$	3.76

(2) Typically, for a gravel of dry density 18 kN/m^3 , specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16 kN/m^3 , the rock volume is 0.61 (61%), and for dry density 20 kN/m^3 , it is 0.77 (77%). If the pit is left open (gravel is not used) then put $P_g = 0$.

Water level readings

[illegible]

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Extrapolated Time for water to drop to 75% effective depth	0.25	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	0.75	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	0.5	
Time taken for water to drop from 75% to 25% (secs)	30	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.20}{3.76 \times 30}$$

Soil infiltration rate, f	=	1.73E-03	m/s
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BRE SOAKAWAY INFILTRATION RATE CALCULATION	
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The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title: Reading Golf Course		Project number: P21335	
Trial pit number: TP02	Test number: 2	Date of test: 31/08/2022	
Test carried out by: RLW	Calculations by: RLW	Verified by: JEM	

Details of pit	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
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34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
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67	67
68	68
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72	72
73	73
74	74
75	75
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78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Actual depth of pit, D'	(m)	2.84
Effective depth of Pit, D ⁽¹⁾	(m)	0.28
Length of Pit, L	(m)	1.8
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0.69

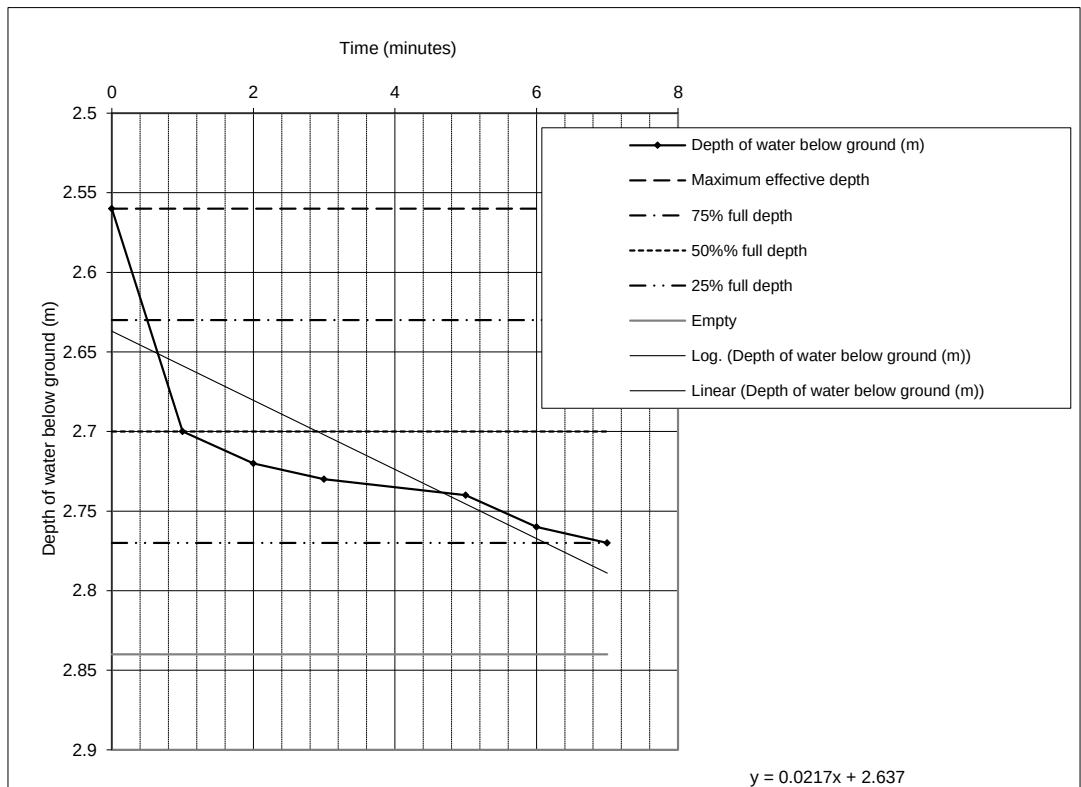
Notes:

(1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.

Volume, V, of pit between 75% and 25% depths (m^3) = $L \times W \times \frac{1}{2}D$ =	0.18
Effective volume between 75% and 25% depths, V_{p75-25} , = $V \times P_g$ =	0.05
Internal surface area of pit up to 50% level, a_{p50} , (m^2) = area of 2 sides + 2 ends + base = $(2 \times L \times \frac{1}{2}D) + (2 \times W \times \frac{1}{2}D) + (L \times W)$	1.96

(2) Typically, for a gravel of dry density 18 kN/m^3 , specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16 kN/m^3 , the rock volume is 0.61 (61%), and for dry density 20 kN/m^3 , it is 0.77 (77%). If the pit is left open (gravel is not used) then put $P_g = 0$.

Water level readings

[illegible]

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Extrapolated Time for water to drop to 75% effective depth	0.5	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	6.12903226	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	5.62903226	
Time taken for water to drop from 75% to 25% (secs)	337.741935	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.05}{1.96 \times 337.741935}$$

Soil infiltration rate, f	=	8.26E-05	m/s
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[illegible]

The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title: Reading Golf Course		Project number: P21335	
Trial pit number: TP02	Test number: 3	Date of test: 31/08/2022	
Test carried out by: RLW	Calculations by: RLW	Verified by: JEM	

Details of pit	
1	1.1
2	2.1
3	3.1
4	4.1
5	5.1
6	6.1
7	7.1
8	8.1
9	9.1
10	10.1
11	11.1
12	12.1
13	13.1
14	14.1
15	15.1
16	16.1
17	17.1
18	18.1
19	19.1
20	20.1
21	21.1
22	22.1
23	23.1
24	24.1
25	25.1
26	26.1
27	27.1
28	28.1
29	29.1
30	30.1
31	31.1
32	32.1
33	33.1
34	34.1
35	35.1
36	36.1
37	37.1
38	38.1
39	39.1
40	40.1
41	41.1
42	42.1
43	43.1
44	44.1
45	45.1
46	46.1
47	47.1
48	48.1
49	49.1
50	50.1
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52	52.1
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72	72.1
73	73.1
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93	93.1
94	94.1
95	95.1
96	96.1
97	97.1
98	98.1
99	99.1
100	100.1

Actual depth of pit, D'	(m)	2.84
Effective depth of Pit, D ⁽¹⁾	(m)	0.27
Length of Pit, L	(m)	1.8
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0.69

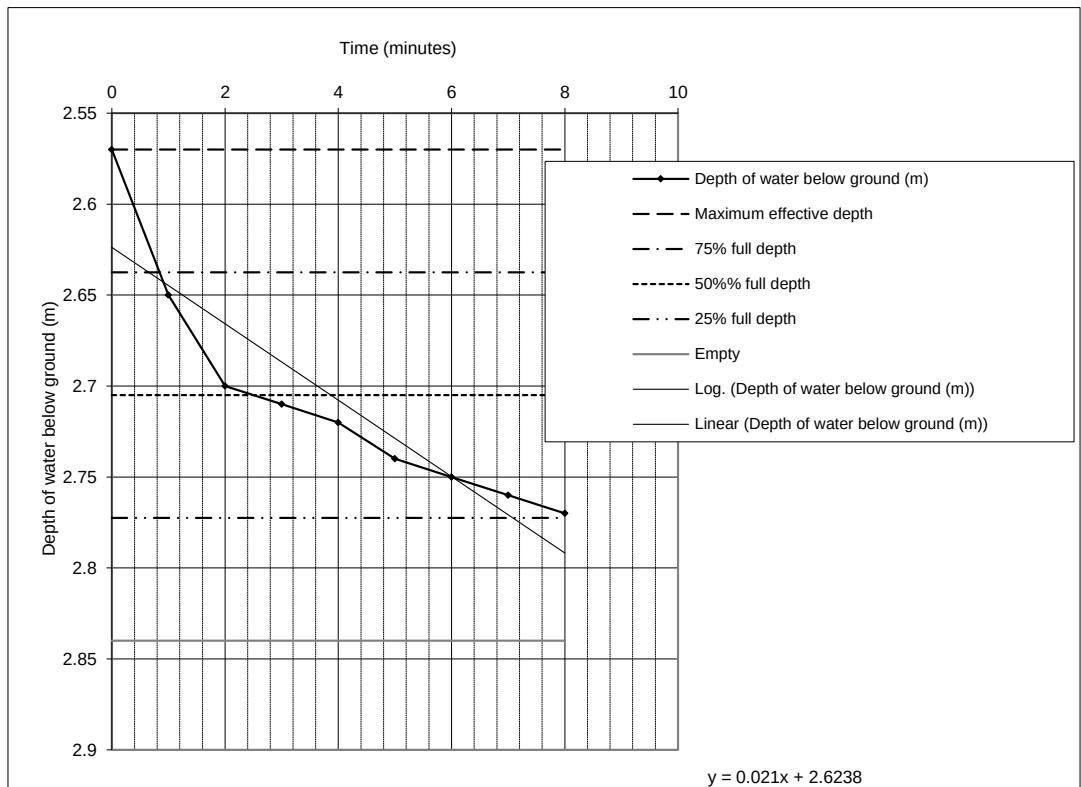
Notes:

(1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.

Volume, V, of pit between 75% and 25% depths (m^3) = $L \times W \times \frac{1}{2}D$ =	0.17
Effective volume between 75% and 25% depths, V_{p75-25} , = $V \times P_g$ =	0.05
Internal surface area of pit up to 50% level, a_{p50} , (m^2) = area of 2 sides + 2 ends + base = $(2 \times L \times \frac{1}{2}D) + (2 \times W \times \frac{1}{2}D) + (L \times W)$	1.94

(2) Typically, for a gravel of dry density 18 kN/m^3 , specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16 kN/m^3 , the rock volume is 0.61 (61%), and for dry density 20 kN/m^3 , it is 0.77 (77%). If the pit is left open (gravel is not used) then put $P_g = 0$.

Water level readings

[illegible]

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Extrapolated Time for water to drop to 75% effective depth	0.65238095	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	7.08095238	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	6.42857143	
Time taken for water to drop from 75% to 25% (secs)	385.714286	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.05}{1.94 \times 385.714286}$$

Soil infiltration rate, f	=	7.07E-05	m/s
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BRE SOAKAWAY INFILTRATION RATE CALCULATION

The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title:	Reading Golf Course			Project number:	P21335
Trial pit number:	TP03	Test number:	1	Date of test:	31/08/2022
Test carried out by:	RLW	Calculations by:	RLW	Verified by:	JEM

Details of pit

Actual depth of pit, D'	(m)	3
Effective depth of Pit, D ⁽¹⁾	(m)	1.05
Length of Pit, L	(m)	1.9
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0

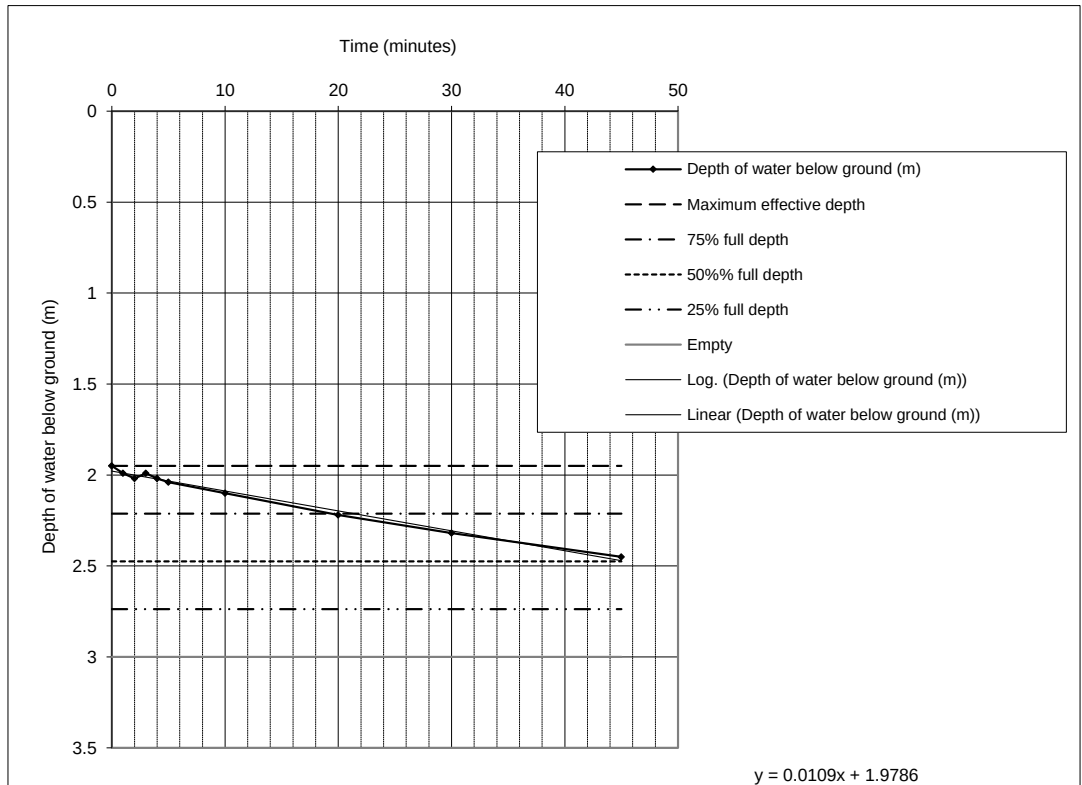
Notes:

- (1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.
- (2) Typically, for a gravel of dry density 18kN/m³, specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16kN/m³, the rock volume is 0.61 (61%), and for dry density 20kN/m³, it is 0.77 (77%). If the pit is left open (gravel is not used) then put P_g = 0.

Volume, V, of pit between 75% and 25% depths (m ³) = L x W x ½D =	0.70
Effective volume between 75% and 25% depths, V _{p75-25} = V x P _g =	0.70
Internal surface area of pit up to 50% level, a _{p50} (m ²) = area of 2 sides + 2 ends + base = (2 x L x ½D) + (2 x W x ½D) + (L x W)	4.06

Water level readings

Time elapsed (min)	Depth of water below ground (m)
0	1.95
1	1.99
2	2.02
3	1.99
4	2.02
5	2.04
10	2.1
20	2.22
30	2.32
45	2.45



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Extrapolated Time for water to drop to 75% effective depth **21.4587156** Extrapolated using linear trendline equation
 Extrapolated Time for water to drop to 25% effective depth **69.6238532** Extrapolated using linear trendline equation
 Time taken for water to drop from 75% to 25% (mins) **48.1651376**
 Time taken for water to drop from 75% to 25% (secs) **2889.90826**

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.70}{4.06 \times 2889.90826}$$

Soil infiltration rate, f = **5.95E-05** m/s

BRE SOAKAWAY INFILTRATION RATE CALCULATION	
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The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title: Reading Golf Course		Project number: P21335	
Trial pit number: TP03	Test number: 2	Date of test: 31/08/2022	
Test carried out by: RLW	Calculations by: RLW	Verified by: JEM	

Details of pit	
1	1.1
2	2.1
3	3.1
4	4.1
5	5.1
6	6.1
7	7.1
8	8.1
9	9.1
10	10.1
11	11.1
12	12.1
13	13.1
14	14.1
15	15.1
16	16.1
17	17.1
18	18.1
19	19.1
20	20.1
21	21.1
22	22.1
23	23.1
24	24.1
25	25.1
26	26.1
27	27.1
28	28.1
29	29.1
30	30.1
31	31.1
32	32.1
33	33.1
34	34.1
35	35.1
36	36.1
37	37.1
38	38.1
39	39.1
40	40.1
41	41.1
42	42.1
43	43.1
44	44.1
45	45.1
46	46.1
47	47.1
48	48.1
49	49.1
50	50.1
51	51.1
52	52.1
53	53.1
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57	57.1
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73	73.1
74	74.1
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76	76.1
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81	81.1
82	82.1
83	83.1
84	84.1
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89	89.1
90	90.1
91	91.1
92	92.1
93	93.1
94	94.1
95	95.1
96	96.1
97	97.1
98	98.1
99	99.1
100	100.1

Actual depth of pit, D'	(m)	2.5
Effective depth of Pit, D ⁽¹⁾	(m)	0.97
Length of Pit, L	(m)	1.9
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0

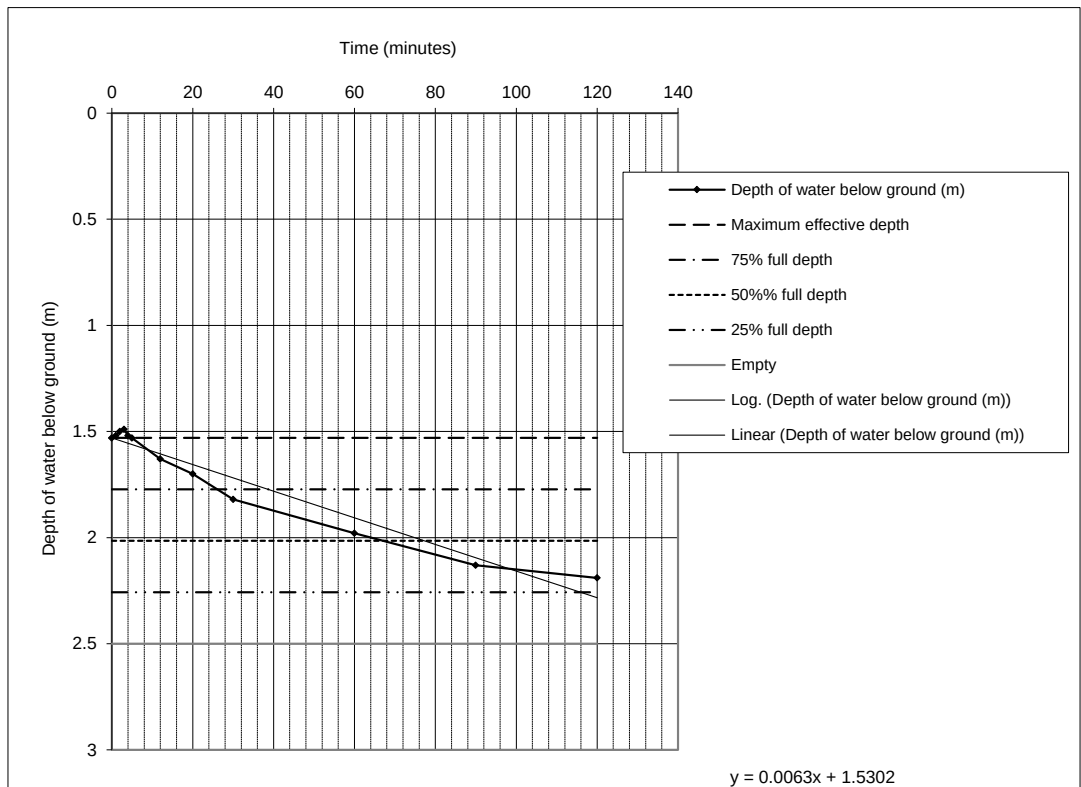
Notes:

(1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.

Volume, V, of pit between 75% and 25% depths (m^3) = $L \times W \times \frac{1}{2}D$ =	0.65
Effective volume between 75% and 25% depths, V_{p75-25} , = $V \times P_g$ =	0.65
Internal surface area of pit up to 50% level, a_{p50} , (m^2) = area of 2 sides + 2 ends + base = $(2 \times L \times \frac{1}{2}D) + (2 \times W \times \frac{1}{2}D) + (L \times W)$	3.85

(2) Typically, for a gravel of dry density 18 kN/m^3 , specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16 kN/m^3 , the rock volume is 0.61 (61%), and for dry density 20 kN/m^3 , it is 0.77 (77%). If the pit is left open (gravel is not used) then put $P_g = 0$.

Water level readings

[illegible]

Datastring continues beneath base of printed page

Extrapolated Time for water to drop to 75% effective depth	26	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	115.444444	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	89.444444	
Time taken for water to drop from 75% to 25% (secs)	5366.66667	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.65}{3.85 \times 5366.66667}$$

Soil infiltration rate, f	=	3.12E-05	m/s
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[illegible]

The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title: Reading Golf Course		Project number: P21335	
Trial pit number: TP03	Test number: 3	Date of test: 31/08/2022	
Test carried out by: RLW	Calculations by: RLW	Verified by: JEM	

Details of pit	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
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34	34
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38	38
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40	40
41	41
42	42
43	43
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67	67
68	68
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81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Actual depth of pit, D'	(m)	2.2
Effective depth of Pit, D ⁽¹⁾	(m)	0.84
Length of Pit, L	(m)	1.9
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0

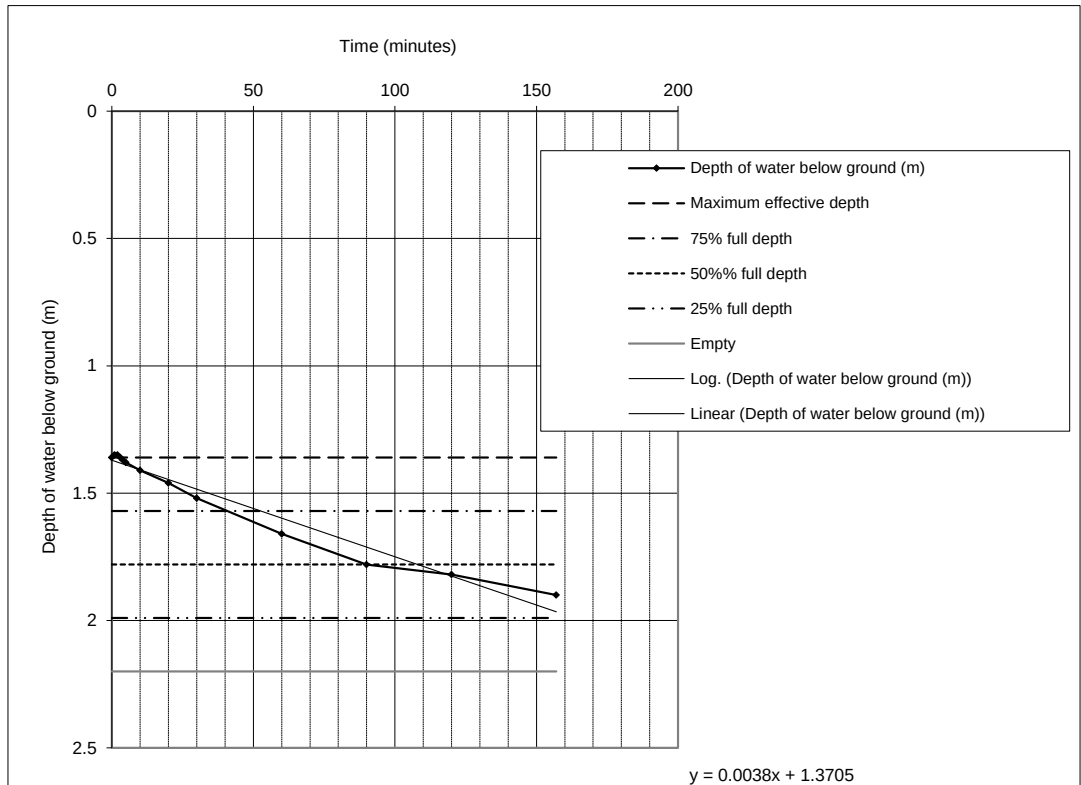
Notes:

(1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.

Volume, V, of pit between 75% and 25% depths (m^3) = $L \times W \times \frac{1}{2}D$ =	0.56
Effective volume between 75% and 25% depths, V_{p75-25} , = $V \times P_g$ =	0.56
Internal surface area of pit up to 50% level, a_{p50} , (m^2) = area of 2 sides + 2 ends + base = $(2 \times L \times \frac{1}{2}D) + (2 \times W \times \frac{1}{2}D) + (L \times W)$	3.51

(2) Typically, for a gravel of dry density 18 kN/m^3 , specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16 kN/m^3 , the rock volume is 0.61 (61%), and for dry density 20 kN/m^3 , it is 0.77 (77%). If the pit is left open (gravel is not used) then put $P_g = 0$.

Water level readings

[illegible]

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Extrapolated Time for water to drop to 75% effective depth	42	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	163.026316	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	121.026316	
Time taken for water to drop from 75% to 25% (secs)	7261.57895	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.56}{3.51 \times 7261.57895}$$

Soil infiltration rate, f	=	2.19E-05	m/s
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BRE SOAKAWAY INFILTRATION RATE CALCULATION

The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title:	Reading Golf Course			Project number:	P21335
Trial pit number:	TP04	Test number:	1	Date of test:	01/09/2022
Test carried out by:	RLW	Calculations by:	RLW	Verified by:	JEM

Details of pit

Actual depth of pit, D'	(m)	3
Effective depth of Pit, D ⁽¹⁾	(m)	1.06
Length of Pit, L	(m)	2
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0.69

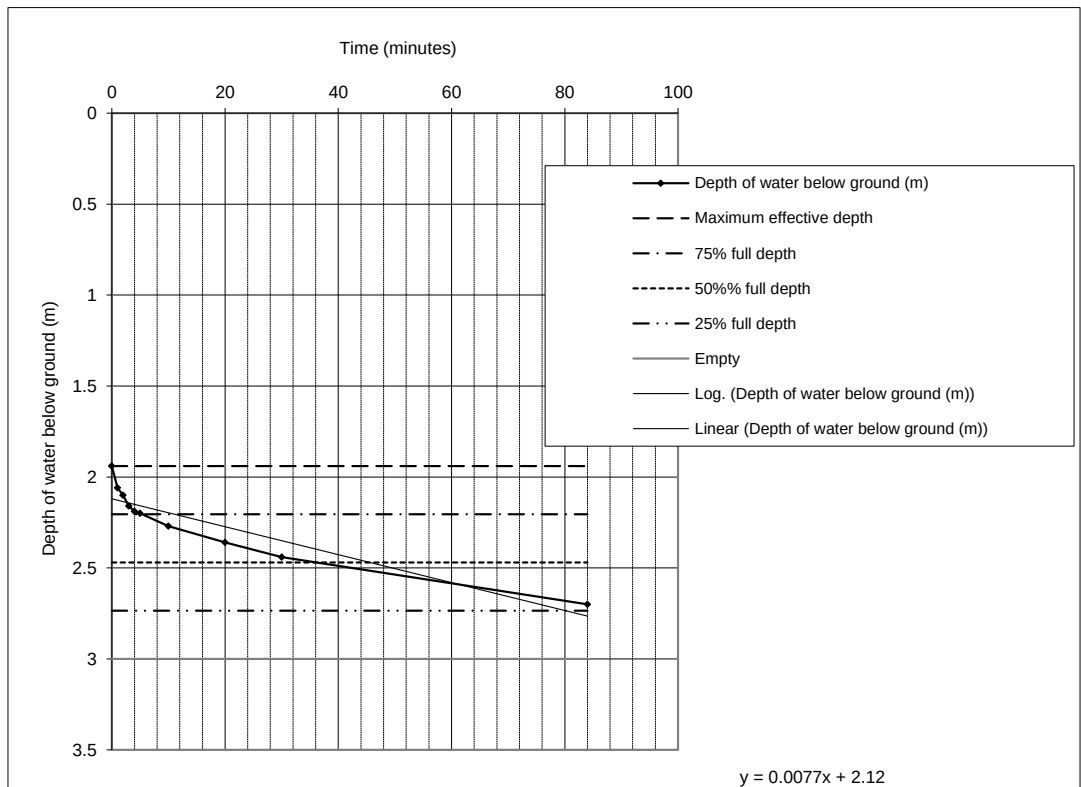
Notes:

- (1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.
- (2) Typically, for a gravel of dry density 18kN/m³, specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16kN/m³, the rock volume is 0.61 (61%), and for dry density 20kN/m³, it is 0.77 (77%). If the pit is left open (gravel is not used) then put P_g = 0.

Volume, V, of pit between 75% and 25% depths (m ³) = L x W x ½D =	0.74
Effective volume between 75% and 25% depths, V _{p75-25} = V x P _g =	0.23
Internal surface area of pit up to 50% level, a _{p50} (m ²) = area of 2 sides + 2 ends + base = (2 x L x ½D) + (2 x W x ½D) + (L x W)	4.26

Water level readings

Time elapsed (min)	Depth of water below ground (m)
0	1.94
1	2.06
2	2.1
3	2.16
4	2.19
5	2.2
10	2.27
20	2.36
30	2.44
84	2.7



Datastrng continues beneath base of printed page

Extrapolated Time for water to drop to 75% effective depth	5	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	79.8701299	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	74.8701299	
Time taken for water to drop from 75% to 25% (secs)	4492.20779	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.23}{4.26 \times 4492.20779}$$

Soil infiltration rate, f = 1.20E-05 m/s

BRE SOAKAWAY INFILTRATION RATE CALCULATION	
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The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title: Reading Golf Course		Project number: P21335	
Trial pit number: TP04	Test number: 2	Date of test: 01/09/2022	
Test carried out by: RLW	Calculations by: RLW	Verified by: JEM	

Details of pit	
1	1.1
2	2.1
3	3.1
4	4.1
5	5.1
6	6.1
7	7.1
8	8.1
9	9.1
10	10.1
11	11.1
12	12.1
13	13.1
14	14.1
15	15.1
16	16.1
17	17.1
18	18.1
19	19.1
20	20.1
21	21.1
22	22.1
23	23.1
24	24.1
25	25.1
26	26.1
27	27.1
28	28.1
29	29.1
30	30.1
31	31.1
32	32.1
33	33.1
34	34.1
35	35.1
36	36.1
37	37.1
38	38.1
39	39.1
40	40.1
41	41.1
42	42.1
43	43.1
44	44.1
45	45.1
46	46.1
47	47.1
48	48.1
49	49.1
50	50.1
51	51.1
52	52.1
53	53.1
54	54.1
55	55.1
56	56.1
57	57.1
58	58.1
59	59.1
60	60.1
61	61.1
62	62.1
63	63.1
64	64.1
65	65.1
66	66.1
67	67.1
68	68.1
69	69.1
70	70.1
71	71.1
72	72.1
73	73.1
74	74.1
75	75.1
76	76.1
77	77.1
78	78.1
79	79.1
80	80.1
81	81.1
82	82.1
83	83.1
84	84.1
85	85.1
86	86.1
87	87.1
88	88.1
89	89.1
90	90.1
91	91.1
92	92.1
93	93.1
94	94.1
95	95.1
96	96.1
97	97.1
98	98.1
99	99.1
100	100.1

Actual depth of pit, D'	(m)	3
Effective depth of Pit, D ⁽¹⁾	(m)	1.15
Length of Pit, L	(m)	2
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0.69

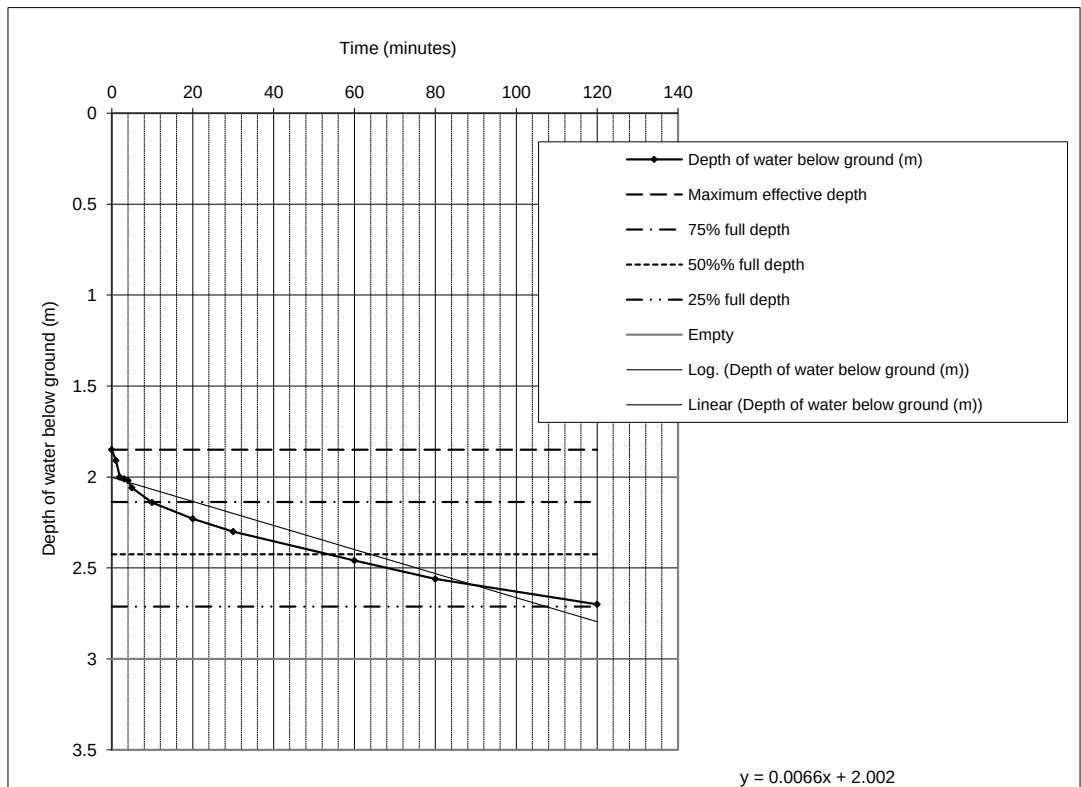
Notes:

(1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.

Volume, V, of pit between 75% and 25% depths (m^3) = $L \times W \times \frac{1}{2}D$ =	0.81
Effective volume between 75% and 25% depths, V_{p75-25} , = $V \times P_g$ =	0.25
Internal surface area of pit up to 50% level, a_{p50} , (m^2) = area of 2 sides + 2 ends + base = $(2 \times L \times \frac{1}{2}D) + (2 \times W \times \frac{1}{2}D) + (L \times W)$	4.51

(2) Typically, for a gravel of dry density 18 kN/m^3 , specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16 kN/m^3 , the rock volume is 0.61 (61%), and for dry density 20 kN/m^3 , it is 0.77 (77%). If the pit is left open (gravel is not used) then put $P_g = 0$.

Water level readings

[illegible]

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Extrapolated Time for water to drop to 75% effective depth	10	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	107.651515	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	97.6515152	
Time taken for water to drop from 75% to 25% (secs)	5859.09091	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.25}{4.51 \times 5859.09091}$$

Soil infiltration rate, f	=	9.45E-06	m/s
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BRE SOAKAWAY INFILTRATION RATE CALCULATION

The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title:	Reading Golf Course			Project number:	P21335
Trial pit number:	TP04	Test number:	3	Date of test:	01/09/2022
Test carried out by:	RLW	Calculations by:	RLW	Verified by:	JEM

Details of pit

Actual depth of pit, D'	(m)	3
Effective depth of Pit, D ⁽¹⁾	(m)	1.61
Length of Pit, L	(m)	2
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0.69

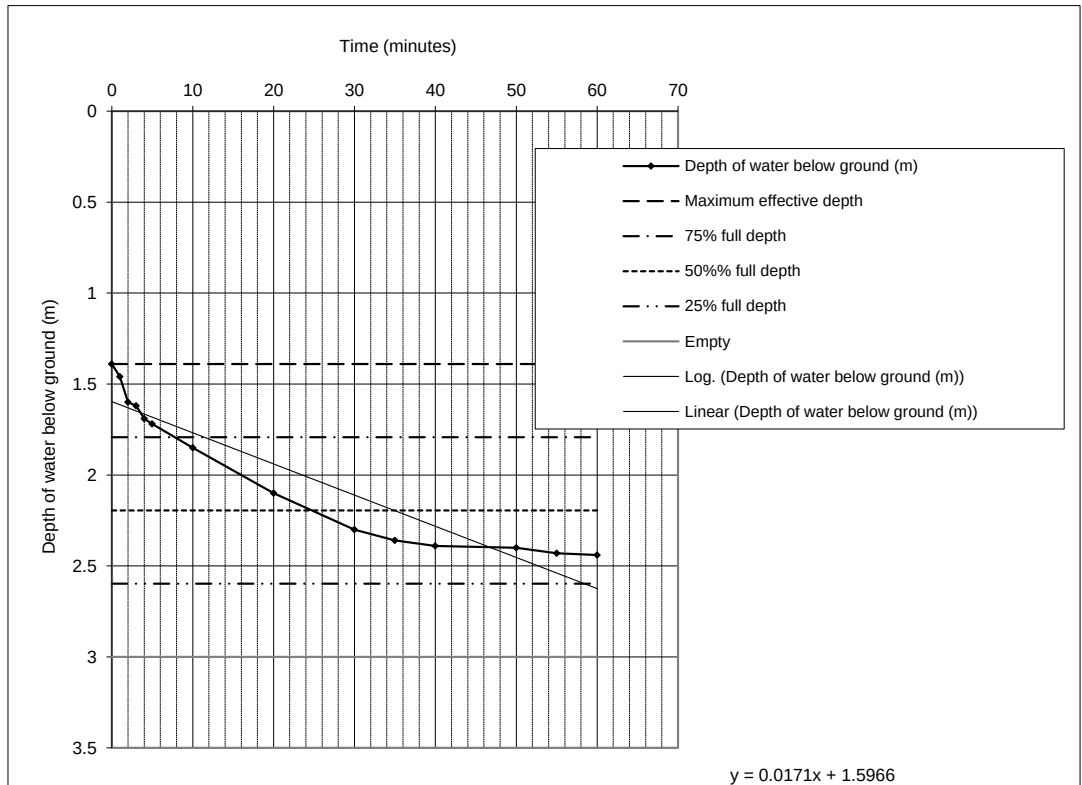
Notes:

- (1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.
- (2) Typically, for a gravel of dry density 18kN/m³, specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16kN/m³, the rock volume is 0.61 (61%), and for dry density 20kN/m³, it is 0.77 (77%). If the pit is left open (gravel is not used) then put P_g = 0.

Volume, V, of pit between 75% and 25% depths (m ³) = L x W x ½D =	1.13
Effective volume between 75% and 25% depths, V _{p75-25} = V x P _g =	0.35
Internal surface area of pit up to 50% level, a _{p50} (m ²) = area of 2 sides + 2 ends + base = (2 x L x ½D) + (2 x W x ½D) + (L x W)	5.75

Water level readings

Time elapsed (min)	Depth of water below ground (m)
0	1.39
1	1.46
2	1.6
3	1.62
4	1.69
5	1.72
10	1.85
20	2.1
30	2.3
35	2.36
40	2.39
50	2.4
55	2.43
60	2.44



Datastrng continues beneath base of printed page

Extrapolated Time for water to drop to 75% effective depth	11.4561404	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	58.5321637	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	47.0760234	
Time taken for water to drop from 75% to 25% (secs)	2824.5614	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.35}{5.75 \times 2824.5614}$$

Soil infiltration rate, f = 2.15225E-05 m/s

BRE SOAKAWAY INFILTRATION RATE CALCULATION

The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title:	Reading Golf Course			Project number:	P21335
Trial pit number:	TP05	Test number:	1	Date of test:	01/09/2022
Test carried out by:	RLW	Calculations by:	RLW	Verified by:	JEM

Details of pit

Actual depth of pit, D'	(m)	2.94
Effective depth of Pit, D ⁽¹⁾	(m)	1.04
Length of Pit, L	(m)	2
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0

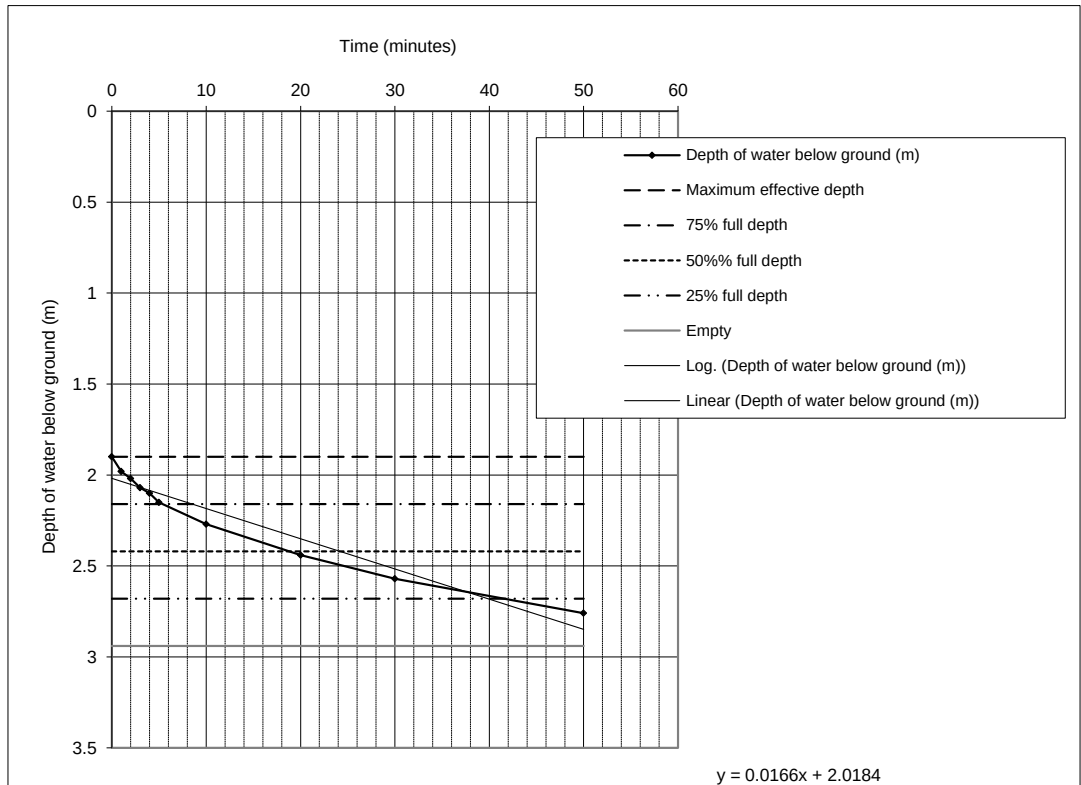
Notes:

- (1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.
- (2) Typically, for a gravel of dry density 18kN/m³, specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16kN/m³, the rock volume is 0.61 (61%), and for dry density 20kN/m³, it is 0.77 (77%). If the pit is left open (gravel is not used) then put P_g = 0.

Volume, V, of pit between 75% and 25% depths (m ³) = L x W x ½D =	0.73
Effective volume between 75% and 25% depths, V _{p75-25} = V x P _g =	0.73
Internal surface area of pit up to 50% level, a _{p50} (m ²) = area of 2 sides + 2 ends + base = (2 x L x ½D) + (2 x W x ½D) + (L x W)	4.21

Water level readings

Time elapsed (min)	Depth of water below ground (m)
0	1.9
1	1.98
2	2.02
3	2.07
4	2.1
5	2.15
10	2.27
20	2.44
30	2.57
50	2.76



Datastrng continues beneath base of printed page

Extrapolated Time for water to drop to 75% effective depth	5	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	39.8554217	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	34.8554217	
Time taken for water to drop from 75% to 25% (secs)	2091.3253	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.73}{4.21 \times 2091.3253}$$

Soil infiltration rate, f = 8.27E-05 m/s

BRE SOAKAWAY INFILTRATION RATE CALCULATION

The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title:	Reading Golf Course			Project number:	P21335
Trial pit number:	TP05	Test number:	2	Date of test:	01/09/2022
Test carried out by:	RLW	Calculations by:	RLW	Verified by:	JEM

Details of pit

Actual depth of pit, D'	(m)	2.94
Effective depth of Pit, D ⁽¹⁾	(m)	1.06
Length of Pit, L	(m)	2
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0

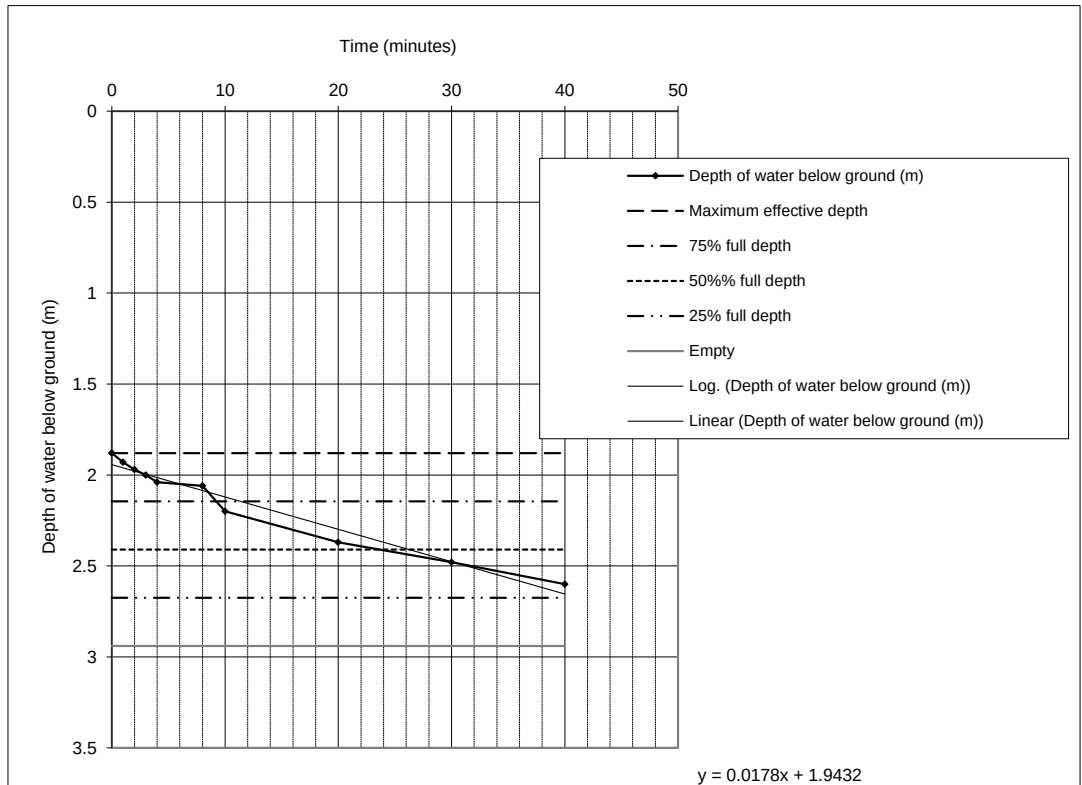
Notes:

- (1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.
- (2) Typically, for a gravel of dry density 18kN/m³, specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16kN/m³, the rock volume is 0.61 (61%), and for dry density 20kN/m³, it is 0.77 (77%). If the pit is left open (gravel is not used) then put P_g = 0.

Volume, V, of pit between 75% and 25% depths (m ³) = L x W x ½D =	0.74
Effective volume between 75% and 25% depths, V _{p75-25} = V x P _g =	0.74
Internal surface area of pit up to 50% level, a _{p50} (m ²)	4.26
= area of 2 sides + 2 ends + base = (2 x L x ½D) + (2 x W x ½D) + (L x W)	

Water level readings

Time elapsed (min)	Depth of water below ground (m)
0	1.88
1	1.93
2	1.97
3	2
4	2.04
8	2.06
10	2.2
20	2.37
30	2.48
40	2.6



Datastrng continues beneath base of printed page

Extrapolated Time for water to drop to 75% effective depth	9	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	41.1123596	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	32.1123596	
Time taken for water to drop from 75% to 25% (secs)	1926.74157	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.74}{4.26 \times 1926.74157}$$

Soil infiltration rate, f = 9.04E-05 m/s

BRE SOAKAWAY INFILTRATION RATE CALCULATION

The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title:	Reading Golf Course			Project number:	P21335
Trial pit number:	TP05	Test number:	3	Date of test:	01/09/2022
Test carried out by:	RLW	Calculations by:	RLW	Verified by:	JEM

Details of pit

Actual depth of pit, D'	(m)	2.94
Effective depth of Pit, D ⁽¹⁾	(m)	1.04
Length of Pit, L	(m)	2
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0

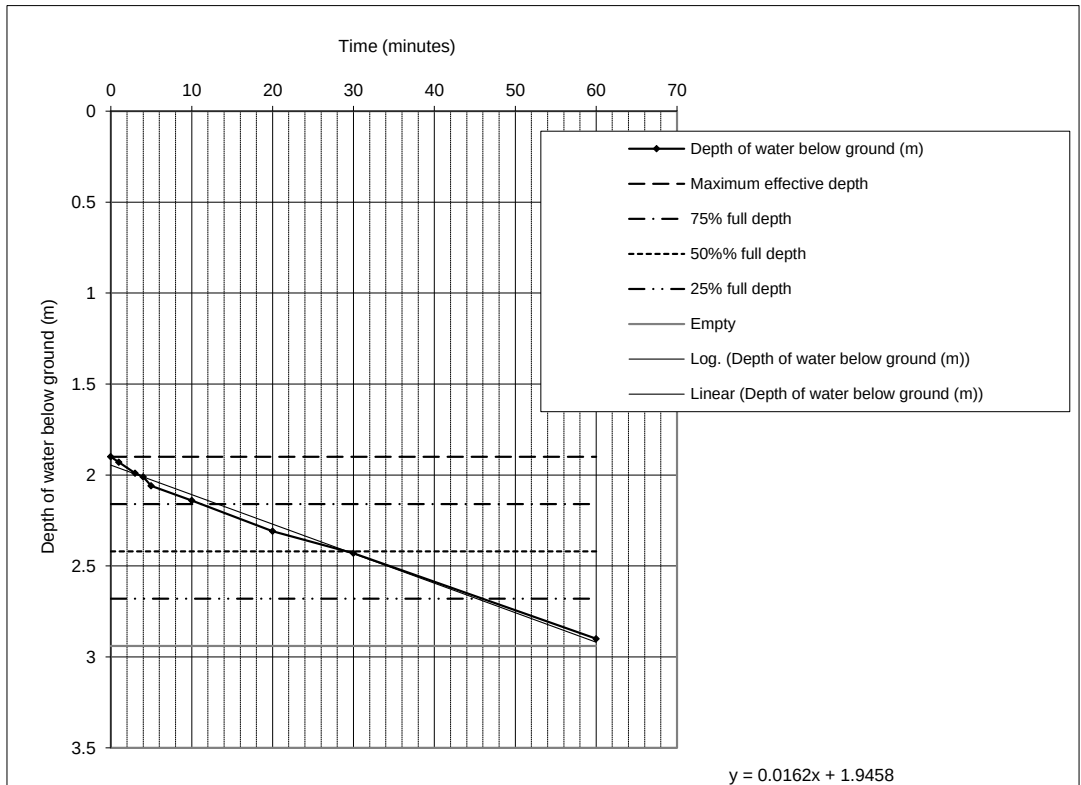
Notes:

- (1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.
- (2) Typically, for a gravel of dry density 18kN/m³, specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16kN/m³, the rock volume is 0.61 (61%), and for dry density 20kN/m³, it is 0.77 (77%). If the pit is left open (gravel is not used) then put P_g = 0.

Volume, V, of pit between 75% and 25% depths (m ³) = L x W x ½D =	0.73
Effective volume between 75% and 25% depths, V _{p75-25} = V x P _g =	0.73
Internal surface area of pit up to 50% level, a _{p50} (m ²) = area of 2 sides + 2 ends + base = (2 x L x ½D) + (2 x W x ½D) + (L x W)	4.21

Water level readings

Time elapsed (min)	Depth of water below ground (m)
0	1.9
1	1.93
3	1.99
4	2.01
5	2.06
10	2.14
20	2.31
30	2.43
60	2.9



Datastrng continues beneath base of printed page

Extrapolated Time for water to drop to 75% effective depth 13.2222222 Extrapolated using linear trendline equation

Extrapolated Time for water to drop to 25% effective depth 45.3209877 Extrapolated using linear trendline equation

Time taken for water to drop from 75% to 25% (mins) 32.0987654

Time taken for water to drop from 75% to 25% (secs) 1925.92593

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.73}{4.21 \times 1925.92593}$$

Soil infiltration rate, f = 8.98289E-05 m/s

[illegible]

The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title: Reading Golf Course		Project number: P21335	
Trial pit number: TP06	Test number: 1	Date of test: 01/09/2022	
Test carried out by: RLW	Calculations by: RLW	Verified by: JEM	

Details of pit	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Actual depth of pit, D'	(m)	2.9
Effective depth of Pit, D ⁽¹⁾	(m)	0.97
Length of Pit, L	(m)	1.7
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0.69

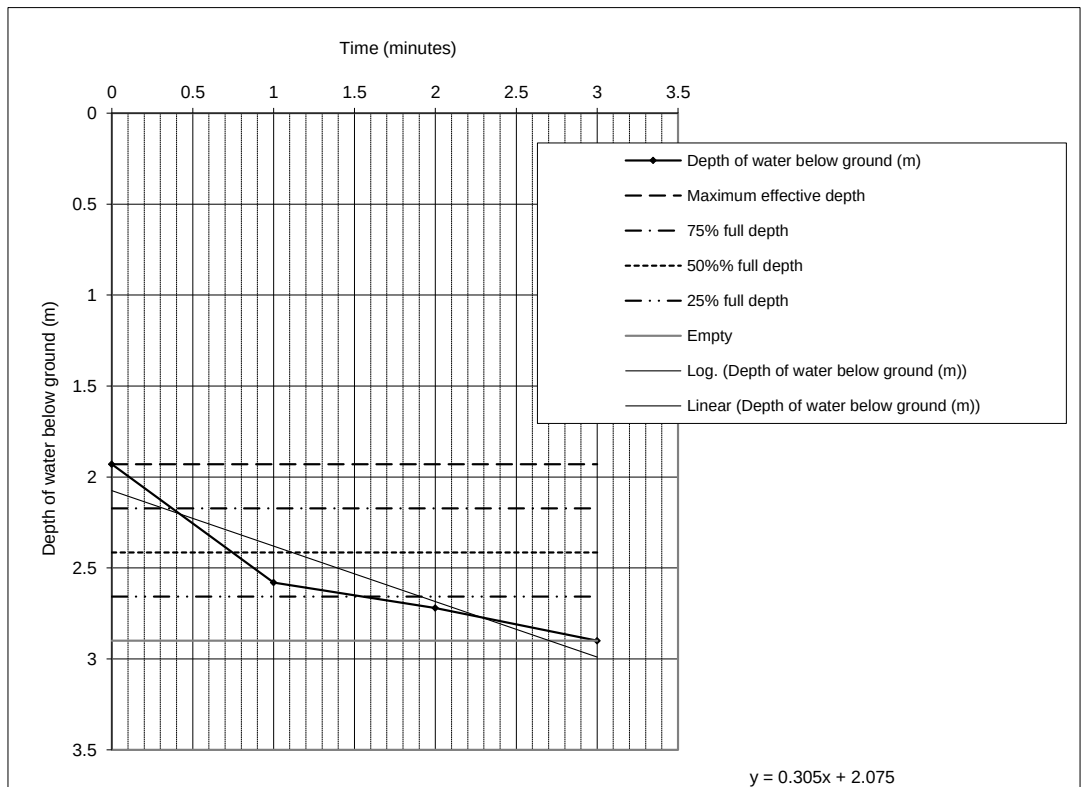
Notes:

(1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.

Volume, V, of pit between 75% and 25% depths (m^3) = $L \times W \times \frac{1}{2}D$ =	0.58
Effective volume between 75% and 25% depths, V_{p75-25} , = $V \times P_g$ =	0.18
Internal surface area of pit up to 50% level, a_{p50} , (m^2) = area of 2 sides + 2 ends + base = $(2 \times L \times \frac{1}{2}D) + (2 \times W \times \frac{1}{2}D) + (L \times W)$	3.52

(2) Typically, for a gravel of dry density 18 kN/m^3 , specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16 kN/m^3 , the rock volume is 0.61 (61%), and for dry density 20 kN/m^3 , it is 0.77 (77%). If the pit is left open (gravel is not used) then put $P_g = 0$.

Water level readings

[illegible]

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Extrapolated Time for water to drop to 75% effective depth	0.31967213	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	1.90983607	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	1.59016393	
Time taken for water to drop from 75% to 25% (secs)	95.4098361	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.18}{3.52 \times 95.4098361}$$

Soil infiltration rate, f	=	5.33E-04	m/s
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[illegible]

The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title: Reading Golf Course		Project number: P21335	
Trial pit number: TP06	Test number: 2	Date of test: 01/09/2022	
Test carried out by: RLW	Calculations by: RLW	Verified by: JEM	

Details of pit	
1	1.1
2	2.1
3	3.1
4	4.1
5	5.1
6	6.1
7	7.1
8	8.1
9	9.1
10	10.1
11	11.1
12	12.1
13	13.1
14	14.1
15	15.1
16	16.1
17	17.1
18	18.1
19	19.1
20	20.1
21	21.1
22	22.1
23	23.1
24	24.1
25	25.1
26	26.1
27	27.1
28	28.1
29	29.1
30	30.1
31	31.1
32	32.1
33	33.1
34	34.1
35	35.1
36	36.1
37	37.1
38	38.1
39	39.1
40	40.1
41	41.1
42	42.1
43	43.1
44	44.1
45	45.1
46	46.1
47	47.1
48	48.1
49	49.1
50	50.1
51	51.1
52	52.1
53	53.1
54	54.1
55	55.1
56	56.1
57	57.1
58	58.1
59	59.1
60	60.1
61	61.1
62	62.1
63	63.1
64	64.1
65	65.1
66	66.1
67	67.1
68	68.1
69	69.1
70	70.1
71	71.1
72	72.1
73	73.1
74	74.1
75	75.1
76	76.1
77	77.1
78	78.1
79	79.1
80	80.1
81	81.1
82	82.1
83	83.1
84	84.1
85	85.1
86	86.1
87	87.1
88	88.1
89	89.1
90	90.1
91	91.1
92	92.1
93	93.1
94	94.1
95	95.1
96	96.1
97	97.1
98	98.1
99	99.1
100	100.1

Actual depth of pit, D'	(m)	2.9
Effective depth of Pit, D ⁽¹⁾	(m)	0.95
Length of Pit, L	(m)	1.7
Width of Pit, W	(m)	0.7
Proportion of pit volume occupied by gravel solids, P _g ⁽²⁾		0.69

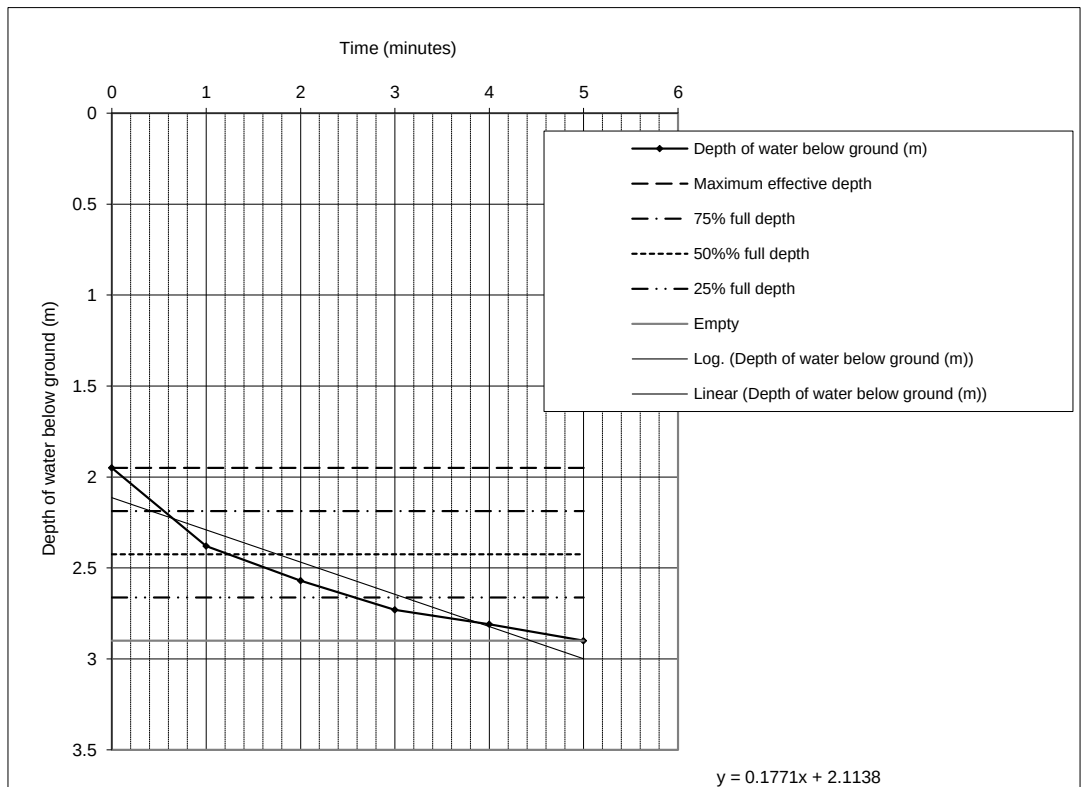
Notes:

(1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.

Volume, V, of pit between 75% and 25% depths (m^3) = $L \times W \times \frac{1}{2}D$ =	0.57
Effective volume between 75% and 25% depths, V_{p75-25} , = $V \times P_g$ =	0.18
Internal surface area of pit up to 50% level, a_{p50} , (m^2) = area of 2 sides + 2 ends + base = $(2 \times L \times \frac{1}{2}D) + (2 \times W \times \frac{1}{2}D) + (L \times W)$	3.47

(2) Typically, for a gravel of dry density 18 kN/m^3 , specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16 kN/m^3 , the rock volume is 0.61 (61%), and for dry density 20 kN/m^3 , it is 0.77 (77%). If the pit is left open (gravel is not used) then put $P_g = 0$.

Water level readings

[illegible]

Datastring continues beneath base of printed page

Extrapolated Time for water to drop to 75% effective depth	0.41614907	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	3.09824958	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	2.68210051	
Time taken for water to drop from 75% to 25% (secs)	160.92603	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.18}{3.47 \times 160.92603}$$

Soil infiltration rate, f	=	3.14E-04	m/s
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BRE SOAKAWAY INFILTRATION RATE CALCULATION	
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The following spreadsheet calculations are based on the method given in BRE Digest 365

Project title: Reading Golf Course		Project number: P21335	
Trial pit number: TP06	Test number: 3	Date of test: 01/09/2022	
Test carried out by: RLW	Calculations by: RLW	Verified by: JEM	

Details of pit	
1	1.1
2	2.1
3	3.1
4	4.1
5	5.1
6	6.1
7	7.1
8	8.1
9	9.1
10	10.1
11	11.1
12	12.1
13	13.1
14	14.1
15	15.1
16	16.1
17	17.1
18	18.1
19	19.1
20	20.1
21	21.1
22	22.1
23	23.1
24	24.1
25	25.1
26	26.1
27	27.1
28	28.1
29	29.1
30	30.1
31	31.1
32	32.1
33	33.1
34	34.1
35	35.1
36	36.1
37	37.1
38	38.1
39	39.1
40	40.1
41	41.1
42	42.1
43	43.1
44	44.1
45	45.1
46	46.1
47	47.1
48	48.1
49	49.1
50	50.1
51	51.1
52	52.1
53	53.1
54	54.1
55	55.1
56	56.1
57	57.1
58	58.1
59	59.1
60	60.1
61	61.1
62	62.1
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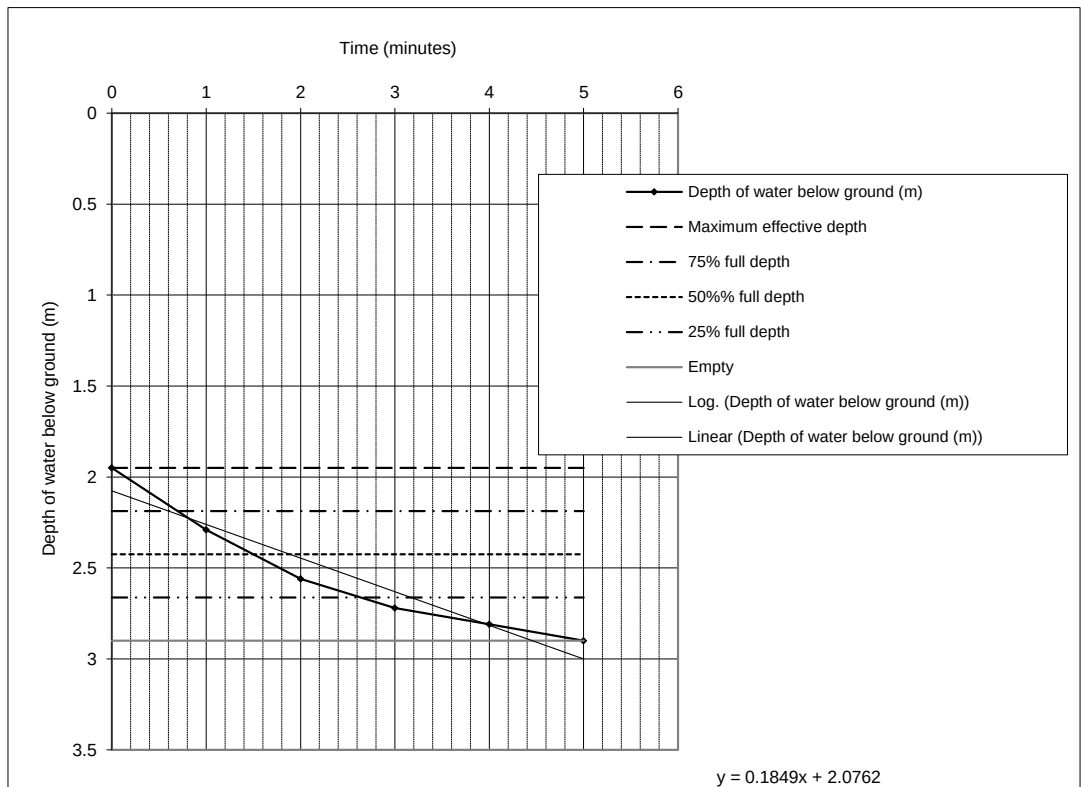
Notes:

(1) For a standard test in which the pit is filled with water, the effective depth will be equal to the actual depth. If the pit is not completely filled, it will be equal to the depth at the start of each test.

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Effective volume between 75% and 25% depths, V_{p75-25} , = $V \times P_g$ =	0.18
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(2) Typically, for a gravel of dry density 18 kN/m^3 , specific gravity of rock solids 2.65, the proportion of volume occupied by rock is 0.69 (i.e. 69%). For dry density 16 kN/m^3 , the rock volume is 0.61 (61%), and for dry density 20 kN/m^3 , it is 0.77 (77%). If the pit is left open (gravel is not used) then put $P_g = 0$.

Water level readings

[illegible]

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Extrapolated Time for water to drop to 75% effective depth	0.601947	Extrapolated using linear trendline equation
Extrapolated Time for water to drop to 25% effective depth	3.17090319	Extrapolated using linear trendline equation
Time taken for water to drop from 75% to 25% (mins)	2.56895619	
Time taken for water to drop from 75% to 25% (secs)	154.137372	

$$= \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}} = \frac{0.18}{3.47 \times 154.137372}$$

Soil infiltration rate, f	=	3.28E-04	m/s
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TP01 0-0.4m bgl

TP01 0.4-2.9m bgl

Project	Reading Golf Course	 AQUA TERRA CONSULTING
Project No.	P25033_R2	
Client	Fairfax (Reading) Limited and RGC (SODC) Limited	



TP01 trial pit



TP01 reinstated

Project	Reading Golf Course	 AQUA TERRA CONSULTING
Project No.	P25033_R2	
Client	Fairfax (Reading) Limited and RGC (SODC) Limited	



TP02 0-3m bgl



TP02 trial pit

Project	Reading Golf Course	 AQUA TERRA CONSULTING
Project No.	P25033_R2	
Client	Fairfax (Reading) Limited and RGC (SODC) Limited	