



# LAND OFF TESS SQUARE, MARNHULL, DORSET

## UTILITIES REPORT

### P & D CROCKER

April 2023

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## DOCUMENT CONTROL

Job No	C798	
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Checked By	S.A.Millard IEng MICE	06.04.2023

Issue	Approved	Date	Comments
1.	S A Millard IEng MICE	06.04.2023	

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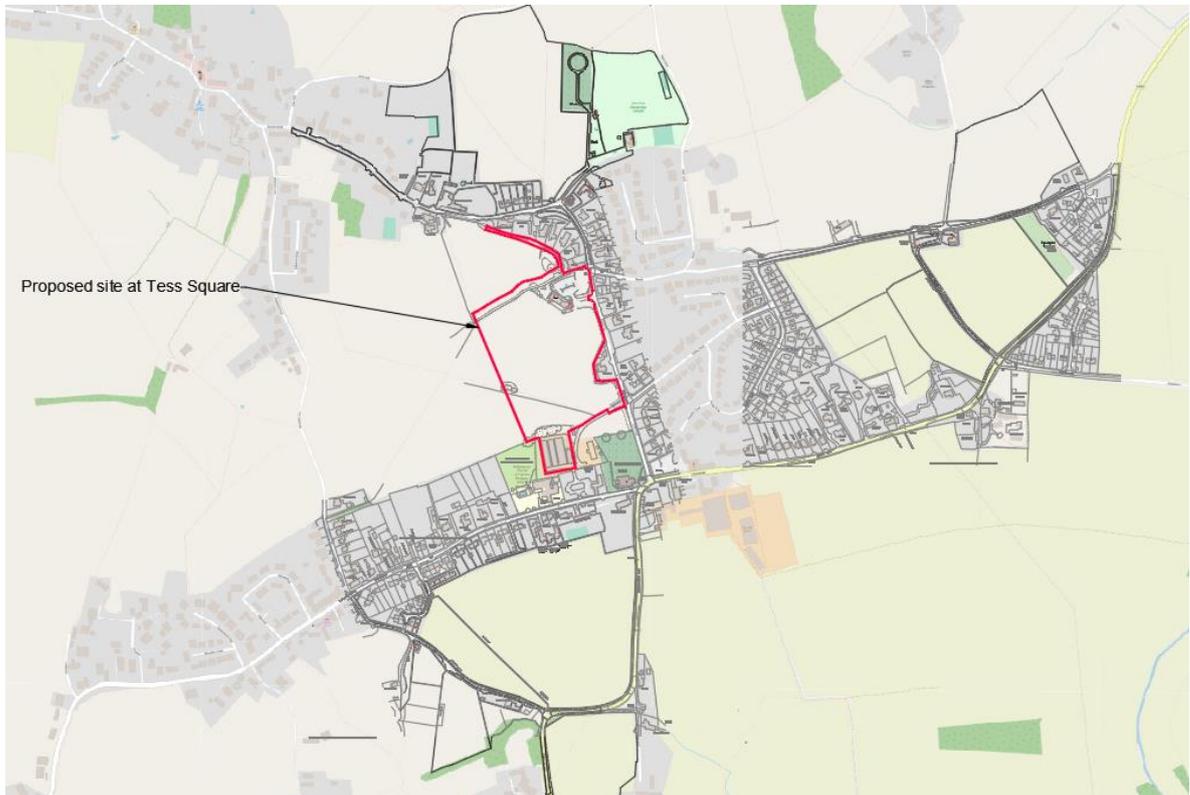
<b>1.</b>	<b>INTRODUCTION .....</b>	<b>1</b>
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#### APPENDICES

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<b>Appendix 4</b>	<b>Copy of Water and Sewers Infrastructure Plans</b>
<b>Appendix 5</b>	<b>Copy of Telecommunications Services Plans</b>

## 1. INTRODUCTION

- 1.1. This initial Utilities Report has been prepared by PFA Consulting on behalf of P & D Crocker, in connection with proposals for residential development on land West of Church Hill, Marnhull, Dorset. It provides details of existing utilities and drainage infrastructure, and includes the main services required to serve the proposed development.
- 1.2. The location of the site is edged red on **Figure 1** below.



**Figure 1: Site Location Plan.**

- 1.3. Enquiries have been made to the various statutory undertakers and utility companies to ascertain the location of existing electricity, gas, water, and telecom services and apparatus in the vicinity of the site.
- 1.4. Since the introduction of competition in the services industry, following the privatisation of state owned gas, electricity, water and telephone public utilities, there are now a large number of potential companies that may have services in the vicinity of the site.
- 1.5. An initial enquiry has been made to the 'LinesearchbeforeUdig' website to identify asset owners with apparatus in the area who are signed up to their enquiry service. Further enquiries have been made to asset owners listed as not members of that online enquiry service based on Dorset County Council's list of utility companies known to have cables and pipes in the roads and footways of Marnhull.
- 1.6. In terms of foul and surface water drainage infrastructure, Wessex Water is the sewerage undertaker for the area. Enquiries have been made to Wessex Water to establish the location of existing public sewers in the vicinity of the site.

- 1.7. The following have confirmed that they have existing apparatus in the vicinity of the site:
- SSE (electricity)
  - SGN (gas)
  - Wessex Water (water supply and sewerage undertaker for foul and surface water drainage)
  - BT Openreach (Telecommunications)
- 1.8. Based on the information provided by the statutory undertakers, utility companies, and sewerage undertaker, an Existing Utilities Plan, Drawing No. C798-24 has been prepared and a copy of the plan is contained in **Appendix 1**.

## 2. EXISTING SERVICES

- 2.1. Copies of information obtained from the various statutory undertakers and utility companies, concerning the location of existing electricity, gas, water, and telecom services and apparatus in the vicinity of the site, are reproduced in **Appendix 2, 3, 4 & 5** respectively.

### Electricity

- 2.2. The village is serviced by Scottish and Southern Electricity (SSE).
- 2.3. There are existing low voltage cables within Church Hill leading to the Surgery and within New Street, crossing the site. There is an 11kv high voltage cable crossing the southern area of the site.

### Gas

- 2.4. Scotia Gas Networks (SGN) provides gas supplies to the village.
- 2.5. There is an existing 90mm diameter low pressure gas main within Church Hill.

### Water

- 2.6. Water supplies in the Marnhull area are provided by Wessex Water.
- 2.7. There are existing water mains present in Church Hill and New Street.

### Telecommunications

- 2.8. Enquiries have been made to BT Openreach to obtain records of its existing apparatus in the vicinity of the site.
- 2.9. Pole apparatus is located along the eastern boundary of the site, running along the line of Church Hill.

### Waste Water

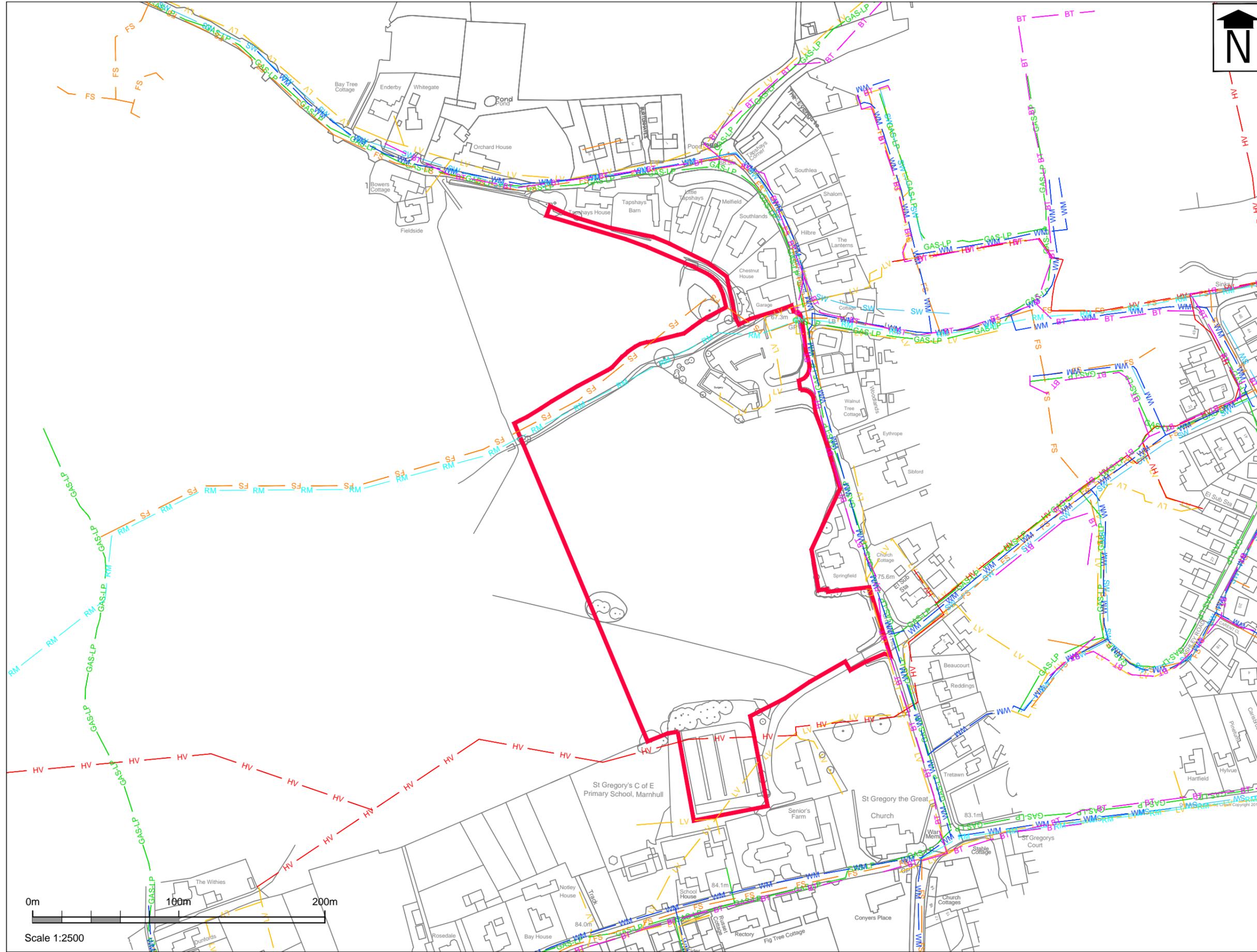
- 2.10. Waste water (*foul*) is provided by Wessex Water.
- 2.11. There are existing 150mm diameter foul sewers in New Street and Phillips Road. There is an existing 150mm diameter foul sewer which crosses the site and runs through the neighbouring surgery site, this may require diverting to enable development in the form envisaged on the Infrastructure Master Plan to take place. Any such diversion will be agreed with Wessex Water.

## 3. SUMMARY

- 3.1. All essential services (electricity, gas, water, and telecom) are located in the vicinity of the site.
- 3.2. The overall conclusion therefore is that there is accessible infrastructure available in proximity to the sites to serve the proposed development. Accordingly, there are no insurmountable utilities constraints to development at this location.







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**Key**

- █ Site Boundary
- HV — Electricity HV (SSE Energy)
- LV — Electricity LV (SSE Energy)
- GAS-LP — Gas LP (Southwest Gas)
- WM — Water Mains (Wessex Water)
- FS — Foul Sewer (Wessex Water)
- RM — Foul Rising Main (Wessex Water)
- BT — British Telecoms Supply

Rev	Date	Description	Drawn	Check
1	06/04/23	First Issue	JM	MS

Status  
**FOR INFORMATION**

Client  
**P & D Crocker**

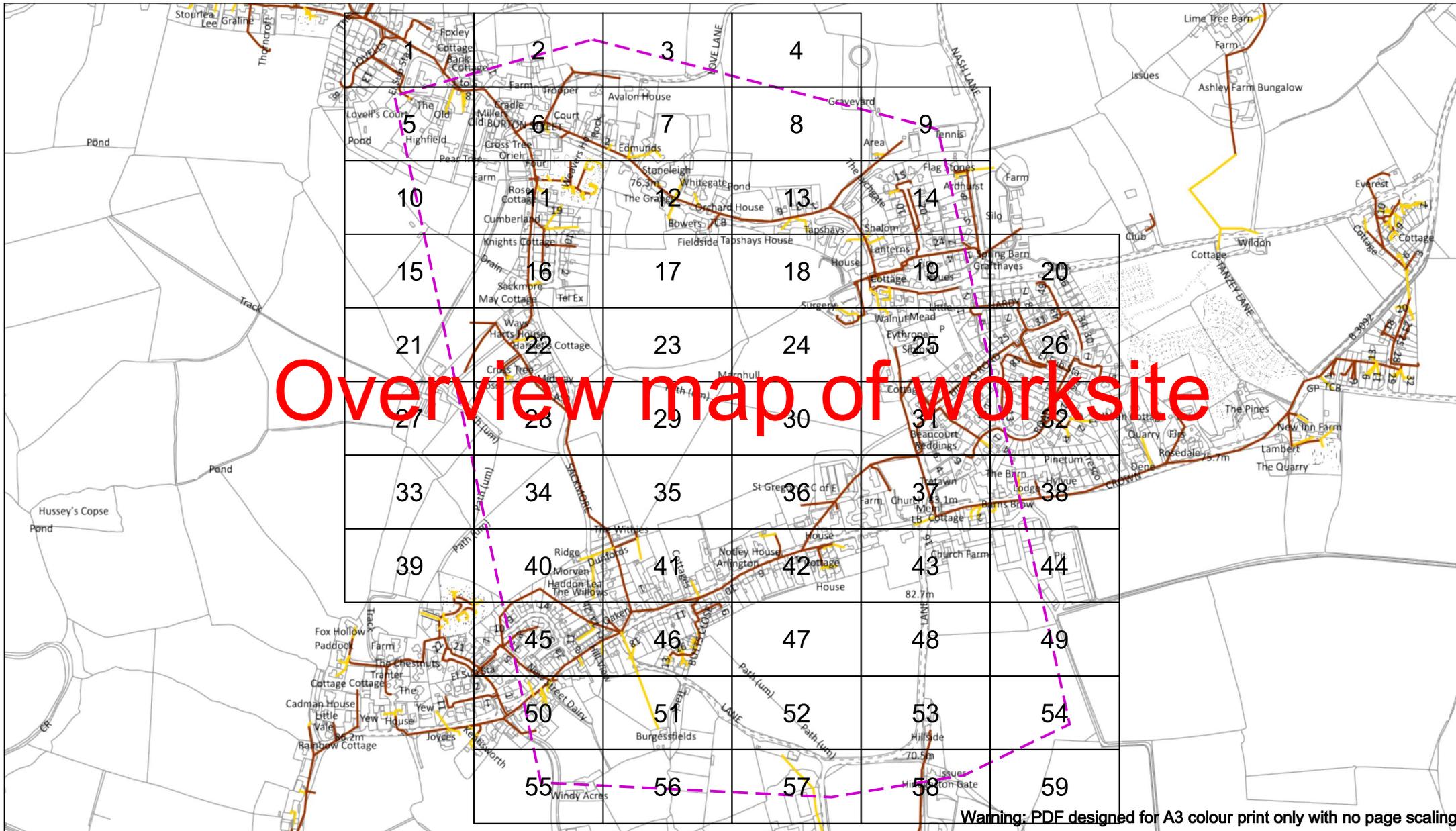
Project  
**Land at Marnhull**

Drawing Title  
**Tess Square Existing Utilities Plan**

Drawing No. **C798-24**

Date: April 2023 | Scale: 1:2500 @ A3  
E-Mail: mskivington@pfapl.com





# Overview map of worksite

**Warning: PDF designed for A3 colour print only with no page scaling**

Dig Sites Area:        Line:       

Date Requested: 22/03/2023  
 Job Reference: 28933575  
 Site Location: 377874 118851  
 Requested by:  
 Mr Stephen Sawyer  
 Your Scheme/Reference:  
 SP23368-1  
 Scale: 1:5637 (When plotted at A3)

**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)**

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				
	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

<p><b>Legend</b></p> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid orange; width: 20px; display: inline-block;"></span> Service Cable</li> <li><span style="border-bottom: 2px solid yellow; width: 20px; display: inline-block;"></span> LV Mains</li> <li><span style="border-bottom: 2px solid red; width: 20px; display: inline-block;"></span> 2 - 3.3kV</li> <li><span style="border-bottom: 2px solid blue; width: 20px; display: inline-block;"></span> 6.6kV</li> <li><span style="border-bottom: 2px solid green; width: 20px; display: inline-block;"></span> 11kV</li> <li><span style="border-bottom: 2px solid purple; width: 20px; display: inline-block;"></span> 22kV</li> <li><span style="border-bottom: 2px solid brown; width: 20px; display: inline-block;"></span> 33kV</li> <li><span style="border-bottom: 2px solid pink; width: 20px; display: inline-block;"></span> 66kV</li> <li><span style="border-bottom: 2px solid cyan; width: 20px; display: inline-block;"></span> 132kV</li> <li><span style="border-bottom: 2px solid magenta; width: 20px; display: inline-block;"></span> 275kV</li> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> 400kV</li> <li><span style="border-bottom: 2px dashed blue; width: 20px; display: inline-block;"></span> Fibre Optic</li> <li><span style="border-bottom: 2px dashed red; width: 20px; display: inline-block;"></span> Pilot Cable</li> </ul>	<p><b>Distribution Structures (Electric)</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Pole, Existing Location</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Pole Structure, Existing Location - Single</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Pole Structure, Existing Location - N</li> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Duct Route</li> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Cross Section Route</li> </ul>
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**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:  
[AssetData@sse.com](mailto:AssetData@sse.com)  
 01256 337 294

Fieldside

17

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Dig Sites Area: [dashed box] Line: [dashed line]



Date Requested: 22/03/2023  
Job Reference: 28933575  
Site Location: 377874 118851  
Requested by:  
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Your Scheme/Reference: SP23368-1

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**WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTES GS6 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)**

Voltages (V)			
LV (Low Voltage) and Services	Up to 1,000V		
HV (High Voltage)	Over 1,000V to 11,000V		
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Agricultural	1m	1m	1m	1.1m

Legend		Distribution Structures (Electric)	
	Service Cable		Pole, Existing Location
	LV Mains		Pole Structure, Existing Location - Single
	2 - 3.3kV		Pole Structure, Existing Location - H
	6.6kV		Pole Structure, Existing Location - H
	11kV		Pole Structure, Existing Location - H
	22kV		Pole Structure, Existing Location - H
	33kV		Pole Structure, Existing Location - H
	66kV		Pole Structure, Existing Location - H
	132kV		Pole Structure, Existing Location - H
	275kV		Pole Structure, Existing Location - H
	400kV		Pole Structure, Existing Location - H
	Flare Cable		Duct Route
	Pilot Cable		Cross Section Route

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Tapshays House

Barn

Southlands

Chestnut House

18

95 Consac

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Dig Sites Area: [dashed box symbol] Line: [dashed line symbol]



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Legend	
[Orange line]	Service Cable
[Yellow line]	LV Mains
[Red line]	2 - 3.3kV
[Blue line]	6.6kV
[Green line]	11kV
[Light Green line]	22kV
[Dark Green line]	33kV
[Light Blue line]	66kV
[Dark Blue line]	132kV
[Purple line]	275kV
[Black line]	400kV
[Blue dashed line]	Fibre Optic
[Red dashed line]	Pilot Cable

Distribution Structures (Electric)	
[Purple dot]	Pole, Existing Location
[Purple circle]	Pole Structure, Existing Location - Single
[Purple square]	Pole Structure, Existing Location - H
[Black line]	Duct Route
[Blue line]	Cross Section Route

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