

UTILITIES TECHNICAL NOTE

Land at Malmesbury Road, Cricklade, Wiltshire, SN6 6EZ



Prepared for: Mac Mic Strategic Land Ltd
Ref: 005_4250451_DK_Utillities Technical Note

Document History

Issue	Date	Description	Prepared By	Checked By
1	29 Jun 2026	First Issue	David Kemp	Howard Gell

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Contents

1.0	Introduction.....	1
2.0	Thames Water Consultation Response	2
3.0	Cricklade Town Council Consultation Response	3
4.0	Scottish & Southern Energy Networks.....	4
5.0	Summary and Conclusions.....	6

Figures

Figure 1: Site Location

Appendices

- Appendix A: Thames Water Comments
- Appendix B: Cricklade Town Council Comments on Foul Water Drainage
- Appendix C: SSEN Proposals – Loading 1 (5,424kVA)
- Appendix D: SSEN Proposals – Loading 1 (5,424kVA)

1.0 Introduction

- 1.1 Glanville has been appointed by Mac Mic Strategic Land Ltd, hereafter referred to as 'the applicant', to produce a Utilities Statement to support the Outline planning application for a proposed 315 dwelling residential development with associated access and infrastructure including Suitable Alternative Natural Greenspace on land to the north of Malmesbury Road in Cricklade, Wiltshire. The location of the site is shown within Figure 1.
- 1.2 The proposed 20.72ha site is currently pastoral land and is split into two parcels, separated by Stones Lane, with the southern parcel (17.22ha) comprising the residential development along with the SuDS and attenuation basins, whilst the northern parcel (3.5ha) will consist of a SANG (Suitable Alternative Natural Greenspace). A copy of the proposed illustrative site layout has been provided within Appendix A.
- 1.3 An Outline planning application was submitted in April 2026 (reference PL/2026/02134) and stakeholder consultation responses have been received from Thames Water with respect to the network capacity for the potable clean water provision and the foul water treatment and a consultation response from Cricklade Town Council. This Technical Note therefore provides a response to these consultation responses. A copy of the responses have been provided within Appendix A and Appendix B.
- 1.4 It should be noted that the Flood Risk Assessment assessed the Foul Water impact of the development, however, as Thames Water provided a single response, this Technical Note also covers the Foul Water drainage comments.
- 1.5 Since the Utilities Statement was originally prepared, the results of the Scottish and Southern Energy Networks (SSEN) Feasibility Studies have been received and so the results of these studies are also discussed within this Technical Note.

2.0 Thames Water Consultation Response

- 2.1 This chapter provides a response to the consultation response provided by Thames Water and dated 29/04/2026 (see Appendix A). This Thames Water response covered both the potable clean water provision and the foul water treatment capacity and a response from Glanville is outlined below.

Clean Water

- 2.2 The Thames Water consultation response referred to a lack of capacity within the clean water network to accommodate the development proposals. Whilst they have not objected to the development they have requested that a condition is implemented which restricts development until the required capacity upgrades have been completed.
- 2.3 To identify the required upgrades and off-site reinforcement, Thames Water will need to undertake detailed modelling of the clean water network. Thames Water have confirmed, however, that this modelling cannot be undertaken until planning consent has been granted and so the extent of the required reinforcement is not known at the current time.
- 2.4 Thames Water have confirmed that the modelling would take 9-12 months.
- 2.5 It is understood that off-site clean water reinforcement works will be delivered by Thames Water as part of their statutory duties, whilst the on-site works and a connection to the off-site network will be the responsibility of the applicant.

Foul Water

- 2.6 The Thames Water consultation response also referred to a lack of capacity within the foul water network to accommodate the development proposals. Whilst they have not objected to the development they have requested that a condition is implemented which restricts development until the required capacity upgrades have been completed.
- 2.7 Thames Water have confirmed that a statutory upgrade is in the process of being completed and is due for completion in Autumn 2026. Therefore there should be sufficient capacity by the time that the construction of the development is due to commence.
- 2.8 To identify any additional off-site reinforcement, Thames Water will need to undertake detailed modelling of the foul water network. Thames Water have confirmed, however, that this modelling cannot be undertaken until planning consent has been granted and so the extent of the required reinforcement is not known at the current time.
- 2.9 As with the clean water modelling, Thames Water have confirmed that the foul water modelling would take 9-12 months.
- 2.10 It is understood that off-site foul water reinforcement works will be delivered by Thames Water as part of their statutory duties.

3.0 Cricklade Town Council Consultation Response

- 3.1 In addition to the Thames Water response, Cricklade Town Council also raised concerns with regards the Foul Water drainage and the current capacity of the Cricklade Sewage Treatment Works. Their comments (see Appendix B), and Glanville's response are outlined below:

Comment 1

The increase in capacity will be welcomed by the residents of Cricklade who are dismayed at the frequency of untreated discharges into the Thames. However, the 4 litre per second increase is in danger of being overwhelmed by the 10 litre p/s of this Mac Mic proposal. If it costs £7m to add 4 litre p/s, will it cost £17.5m to add a further 10 litre p/s? Or is even feasible at all? Unfortunately there will probably be no answer to this question from the interested parties to this application.

- 3.2 As outlined within paragraph 2.7, Thames Water have confirmed that additional capacity is being provided within the Cricklade Sewage Treatment Works.
- 3.3 The formal design for the FW pumping station has not been undertaken as yet and so the final discharge rate has not been confirmed or agreed with Thames Water. The 10l/s discharge rate reflects an initial assumption for the pre-application capacity check based on similar pumping stations. Therefore the agreed final discharge rate may be lower or higher than the quoted 10l/s.
- 3.4 It is important to note that the comments from Thames Water did not raise an objection to the quoted 10l/s discharge rate itself, just the capacity of the sewage treatment plant and so Thames Water must have considered that the 10l/s discharge rate would be acceptable once the capacity improvements have been completed. One of the benefits of a pump station is that Foul Water can be discharged at quiet times when there is spare capacity in the sewage network, for example overnight. This would be dependent on providing sufficient attenuation within the pump station but this would be confirmed during the detailed design stage when the capacity of the pumping station and the discharge rate is confirmed.

Comment 2

The quote above from the Thames Water letter of 25th March refers to the Environment Agency possibly objecting. This seems unlikely because they are not one of the statutory consultees and so they might be unaware of this proposal, although we could bring it to their attention.

- 3.5 Whilst no formal objection has been received from the Environment Agency, it is considered that it would be for the same reason as the Thames Water objection, namely insufficient capacity in the sewage treatment plant resulting in sewage discharge into the River Thames. Consequently, the sewage treatment plant improvements should reduce the potential for discharges into the river, thereby responding to any potential objection from the Environment Agency.

4.0 Scottish & Southern Energy Networks

- 4.1 Since the Utilities Statement was submitted, the results of the Scottish & Southern Energy Networks (SSEN) feasibility studies have been received. Two feasibility studies were undertaken based on the two different electrical loadings identified within paragraph 5.14 of the Utilities Statement, namely:
- Loading 1 = 17.22kVA per dwelling (5,424kVA in total) to reflect the provision of Air Source Heat Pumps.
 - Loading 2 = 24.52kVA per dwelling (7,725kVA in total) to reflect the provision of electric boilers.
- 4.2 The above loadings include Electric Vehicle Charging points for each dwelling and lifts within any proposed apartment blocks.
- 4.3 SSEN have confirmed that there is only an electrical capacity of 3,000kVA currently available until a ED3 reinforcement capital scheme is completed. This capital scheme is currently being planned but has not been formally approved by Ofgem as yet and so the timescales are not currently known.
- 4.4 SSEN have confirmed, however, that a phased development will be feasible up to the 3,000kVA capacity. Consequently an update on the capital scheme timescales will need to be identified as part of the future Reserved Matters application to determine if a phased approach will be undertaken.
- 4.5 If a phased approach is taken by the applicant, then the number of dwellings which will be deliverable before the capital scheme is complete will be dependent on the final loadings. This will be subject to the electrical infrastructure provided within the development such as additional solar panels or whether electric back up boilers are provided in additional to the Air Source Heat Pumps.
- 4.6 Based on the current loadings identified within paragraph 4.1, the potential phased developments could comprise the following number of dwellings:
- Loading 1 = 158 dwellings (~50%)
 - Loading 2 = 122 dwellings (~39%)
- 4.7 The remaining dwellings would be provided once the capital improvements have been completed.

Capacity Reinforcement

- 4.8 In addition to the aforementioned capital scheme, off-site reinforcement will be required at various local sub stations and connections provided between the site and the off-site sub stations, namely:
- Loading 1 - 5,424kVA (see Appendix C) =
 - Install a new 630A CB at Cricklade Primary sub station;
 - Run 1 x 300mm XLPE HV underground cable to the site boundary; and
 - Run 1 x 300mm XLPE HV underground cable to breach joint on the existing HV feeder between Cricklade Leisure Centre sub-station and the CW Park sub-station.
 - Loading 2 - 7,725kVA (see Appendix D) =
 - Install 2 x new 630A CBs at Cricklade Primary sub station; and
 - Run 2 x 300mm XLPE HV underground cable to the site boundary.

- 4.9 A phased scheme may be achievable without the local sub-station improvements outlined above, but these improvements would be required to provide the full 315 dwellings.

In-site Sub-stations

- 4.10 The maximum transformer size is 1,000kVA and so the loadings outlined in paragraph 4.1 will either require 6 or 8 internal sub-stations. However, the number of substations can be reduced as the loadings are further refined and if additional measures are implemented such as solar panels.

Point of Connection

- 4.11 SSEN have confirmed that a direct connection to the existing 11kV HV cables crossing the site is not feasible. This is because the local network is too constrained and the overhead line is 0.1HDCu and therefore has insufficient thermal capacity for the predicted level of demand. Consequently an underground connection to the off-site Cricklade primary sub-station, via the local road network, will be required.

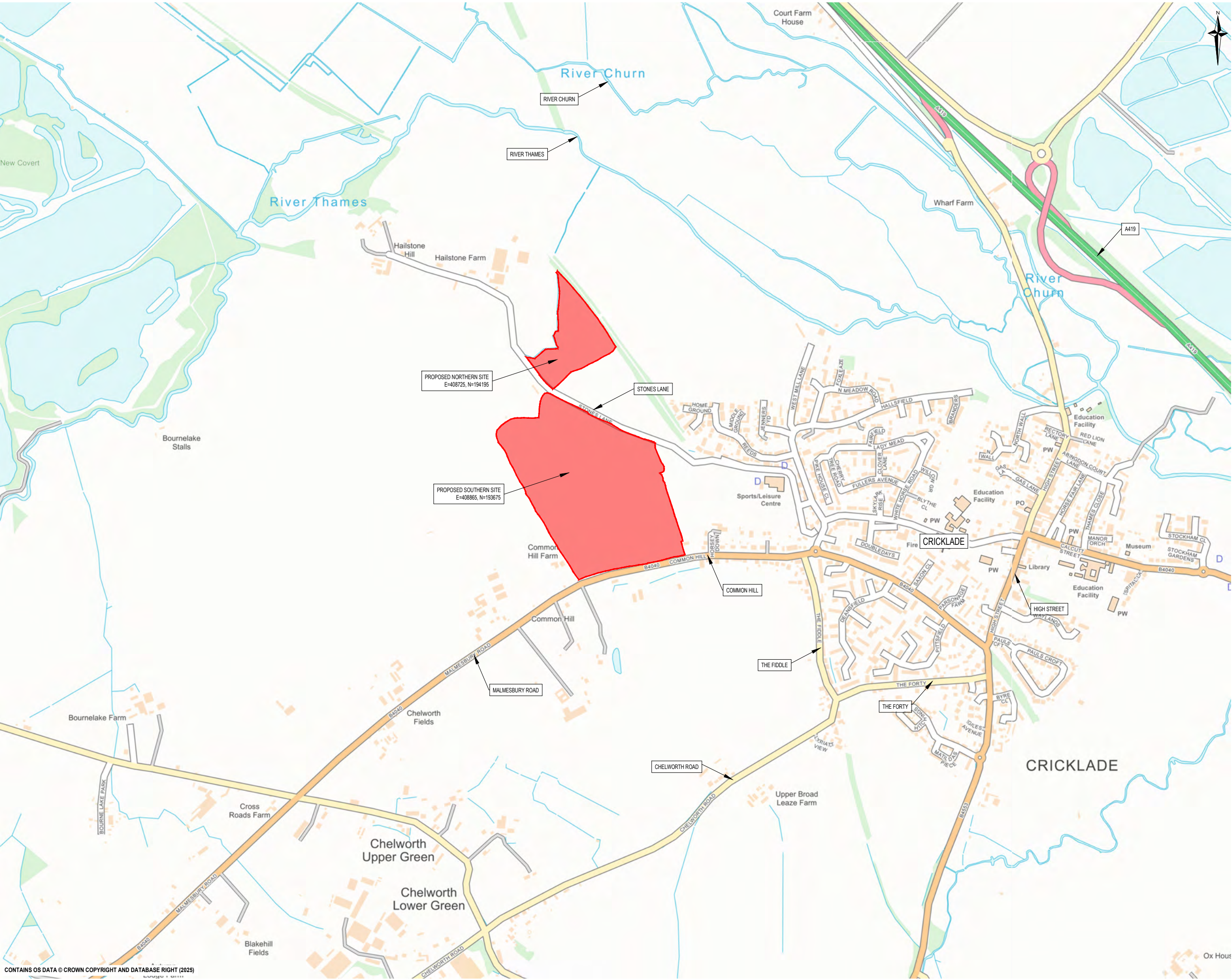


5.0 Summary and Conclusions

- 5.1 Glanville have been appointed by the applicant to provide utility support for the Outline application associated with the proposed 315 dwelling development on land to the north of Common Hill / Malmesbury Road.
- 5.2 This Technical Note provides a response to Thames Water's comments on Foul Water and Clean Water capacity and Cricklade Town Council's comments on Foul Water capacity. It also provides an update on the SSEN feasibility studies undertaken to determine the electrical connections to the site. A summary of the findings are outlined below:
- Thames Water have confirmed that there is no foul water capacity until an improvement scheme to the Cricklade Sewage Treatment Works is completed in Autumn 2026. Water modelling will be required once planning consent has been granted to confirm if additional off-site reinforcement is required.
 - Thames Water have confirmed that off-site reinforcement to the clean water network will be required but the extent of reinforcement can only be determined once modelling is undertaken. The modelling, however, can only commence once planning consent has been granted.
 - The comments from Cricklade Town Council relate to the aforementioned foul water capacity and whether the improved sewage treatment works will be able to accommodate the development. Thames Water have not raised a concern about the improved treatment works not being able to accommodate the future foul water flows. The pump station will enable the foul water to be discharged at quiet times when there is spare capacity.
 - SSEN have confirmed that there is no electrical capacity, above a loading of 3,000kVA, without a capital improvement scheme being completed. This is planned but there are no timescales as yet. SSEN have also confirmed that a phased development would be feasible up to 3,000kVA with the remaining dwellings being completed once the statutory improvements have been completed.
 - SSEN have confirmed that an underground connection to the Cricklade primary sub-station will be required along with reinforcement at one or two sub-stations depending on the final loading requirements.
- 5.3 Based on the above, it is therefore considered that the full 315 dwelling development could be provided within the site, once the foul water and electrical improvement schemes are completed.

Figures





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KEY

PROPOSED SITE LOCATION

FIGURE 1

I1	FIRST ISSUE	09/12/2025	DK	HG
Rev.	Description	Date	By	Chkd



Survey > Plan > Engineer

 Civil Engineering

 Structural Engineering

 Transport Planning

 Highways Engineering

 Building Surveying

 Geomatics

Hertfordshire

Oxfordshire

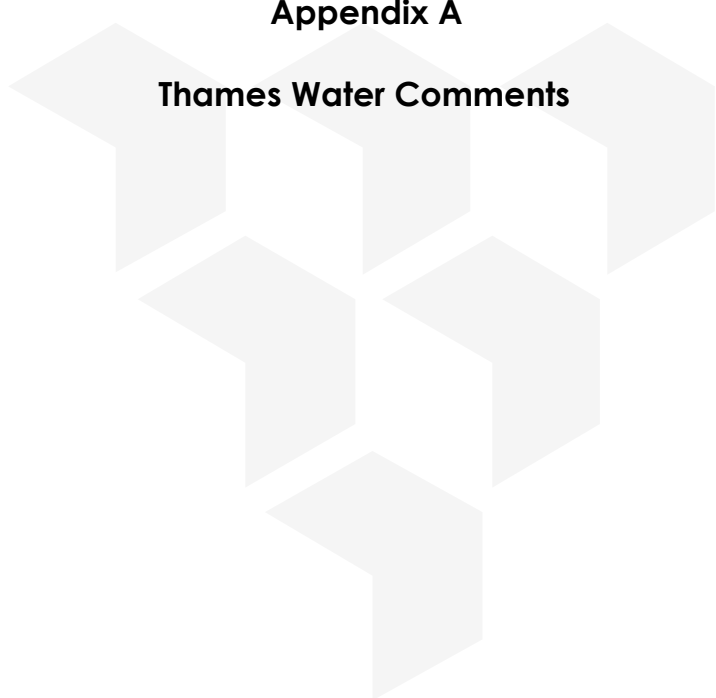
Cambridgeshire

Bristol

Client :	MAC MIC STRATEGIC LAND		
Project :	LAND AT MALMESBURY ROAD, CRICKLADE, SN6 6EZ		
Title :	SITE LOCATION PLAN		
Engineer : DK	Date : DECEMBER 2025		
Director : HG	Scale : 1:10,000 @ A3		
Status :	INFORMATION		
Drawing No.	4250451-SK001	Rev	I1

Appendices





Appendix A

Thames Water Comments

Comment Name

Thames Water's Comment

Comment Number

WC-26-04-370547

Text

Re: Land at Cricklade, Common Hill, Cricklade, WILTSHIRE , SN6 6HA

Waste Comments:

Thames Water has identified that the existing FOUL WATER network does not have sufficient capacity to support the proposed development. As such, we request that the following condition be attached to any planning permission granted:

The development shall not be occupied until confirmation is provided that either:

1. All necessary upgrades to the foul water network to accommodate additional flows from the development have been completed; or
2. A phasing plan for development and infrastructure, agreed with Thames Water and the Local Planning Authority, is in place. Where such a plan exists, no occupation shall occur other than in accordance with the approved phasing schedule.

Reason: Network reinforcement is likely to be required to support the proposed development.

These upgrades are essential to avoid the risk of sewer flooding and pollution incidents.

If the Local Planning Authority considers this condition inappropriate or is unable to include it in the decision notice, it is essential to consult with Thames Water's Development Planning Department at Devcon.team@thameswater.co.uk before determining the application.

Please note where network modelling is required, Thames Water will need confirmation of outline planning permission, a development phasing plan, and evidence of land ownership to be submitted to devcon.team@thameswater.co.uk . Modelling can take 9-12 months to complete and will not commence until these have been provided.

Following initial investigations, Thames Water has identified an inability of the existing SEWAGE TREATMENT WORKS infrastructure to accommodate the needs of this development proposal. As such Thames Water request the following condition be added to any planning permission.

"No development shall be occupied until confirmation has been provided that either:- all sewage works upgrades required to accommodate the additional flows from the development have been completed; or - a development and infrastructure phasing plan has been agreed with the Local Authority in consultation with Thames Water to allow development to be occupied. Where a development and infrastructure phasing plan is agreed no occupation shall take place other than in accordance with the agreed development and infrastructure phasing plan. Reason – Sewage Treatment Upgrades are likely to be required to accommodate the proposed development. Any upgrade works identified will be necessary in order to avoid sewage flooding and/or potential pollution incidents. Should the Local Planning Authority consider the above recommendation inappropriate or are unable to include it in the decision notice, it is important that the Local Planning Authority liaises with Thames Water Development Planning Department

(e-mail: devcon.team@thameswater.co.uk) prior to the planning application approval.

We would expect the developer to demonstrate what measures will be undertaken to minimise groundwater discharges into the public sewer. Groundwater discharges typically result from construction site dewatering, deep excavations, basement infiltration, borehole installation, testing and site remediation. Any discharge made without a permit is deemed illegal and may result in prosecution under the provisions of the Water Industry Act 1991. Should the Local Planning Authority be minded to approve the planning application, Thames Water would like the following informative attached to the planning permission: "A Groundwater Risk Management Permit from Thames Water will be required for discharging groundwater into a public sewer. Any discharge made without a permit is deemed illegal and may result in prosecution under the provisions of the Water Industry Act 1991. We would expect the developer to demonstrate what measures he will undertake to minimise groundwater discharges into the public sewer. Permit enquiries should be directed to Thames Water's Risk Management Team by telephoning 020 3577 9483 or by emailing trade.effluent@thameswater.co.uk . Application forms should be completed on line via www.thameswater.co.uk. Please refer to the Wholesale; Business customers; Groundwater discharges section.

Water Comments:

Following initial investigations, Thames Water has identified an inability of the existing water network infrastructure to accommodate the needs of this development proposal. As such Thames Water request that the following condition be added to any planning permission. No development shall be occupied until confirmation has been provided that either:- all water network upgrades required to accommodate the additional demand to serve the development have been completed; or - a development and infrastructure phasing plan has been agreed with Thames Water to allow development to be occupied. Where a development and infrastructure phasing plan is agreed no occupation shall take place other than in accordance with the agreed development and infrastructure phasing plan. Reason - The development may lead to no / low water pressure and network reinforcement works are anticipated to be necessary to ensure that sufficient capacity is made available to accommodate additional demand anticipated from the new development" The developer can request information to support the discharge of this condition by visiting the Thames Water website at thameswater.co.uk/preplanning. Should the Local Planning Authority consider the above recommendation inappropriate or are unable to include it in the decision notice, it is important that the Local Planning Authority liaises with Thames Water Development Planning Department (e-mail: devcon.team@thameswater.co.uk) prior to the planning application approval.

There are water mains crossing or close to your development. Thames Water do NOT permit the building over or construction within 3m of water mains. If you're planning significant works near our mains (within 3m) we'll need to check that your development doesn't reduce capacity, limit repair or maintenance activities during and after construction, or inhibit the services we provide in any other way. The applicant is advised to read our guide working near or diverting our pipes. <https://www.thameswater.co.uk/developers/larger-scale-developments/planning-your-development/working-near-our-pipes>

Yours faithfully,
Development Planning Department

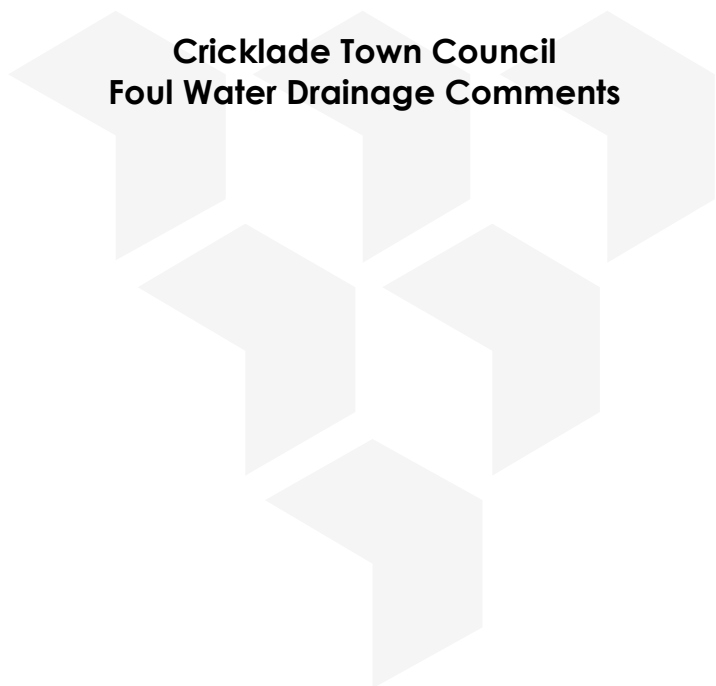
Development Planning,
Thames Water,
Maple Lodge STW,
Denham Way,
Rickmansworth,

Date Created

29/04/2026

Appendix B

Cricklade Town Council Foul Water Drainage Comments



12. Foul Water Drainage

The proposed scheme is for foul water to flow by gravity to pumping stations in the north west and the north east of the housing section of land. From there it will be pumped to the join the main 225mm sewer on Common Hill at a maximum of 10 litres per second and thence, by gravity, to Cricklade.

The capacity constraints of the Cricklade Sewage Treatment Works (STW) are well known and so Thames Water, in their letter to the applicant's agent of 25th March 2026, state that they are unable to meet the needs of the development at this time. Their customary position is that, although they are legally required to connect, they will work up a solution which has three elements:

- a) Modelling 9 – 12 months
- b) Design 6 months
- c) Construction up to 18 months

These timings are just indicative but show the maximum time could be 36 months. Any upgrades (known as 'off-site reinforcement') will be carried out at the cost of Thames Water but the process will only start when, and if, outline planning consent is obtained. The letter also states:

Capacity at STW?

The receiving network is served by Cricklade STW and there is a known performance issue which may cause the EA to object to the development. A more detailed assessment will be carried out when the LPA consult our Development Control team and we may require a planning condition to allow us time to upgrade the STW. Please visit our [website](#) for updates on the site specific upgrades.

Thames Water are required to publish their discharge statistics and the figures for 2025 show that for the year there were 59 untreated discharge events at the STW amounting to a total of 641 hours i.e. over 12 hours per week on average. The volume of untreated discharge is not made public.

The latest extract (30th May 2026) from the TW website for their Improvement Programme for Cricklade STW says:

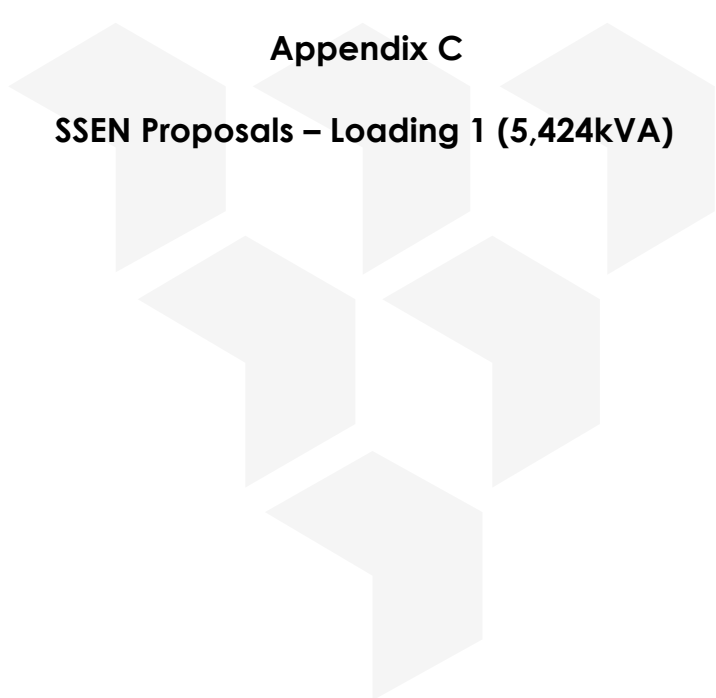
Cricklade STW is being upgraded at a cost of more than £7 million. This project will provide a major increase in treatment capacity of an additional 4 litres per second, reducing the need for untreated discharges in wet weather as well as including an increase in storm tank capacity. We expect the project to complete in autumn 2026.

We expect this location to meet all government targets for storm overflows by 2045 - 2050. Find out how we're [investing in river health](#).

The capacity of the STW is being increased from 26 to 30 litres per second

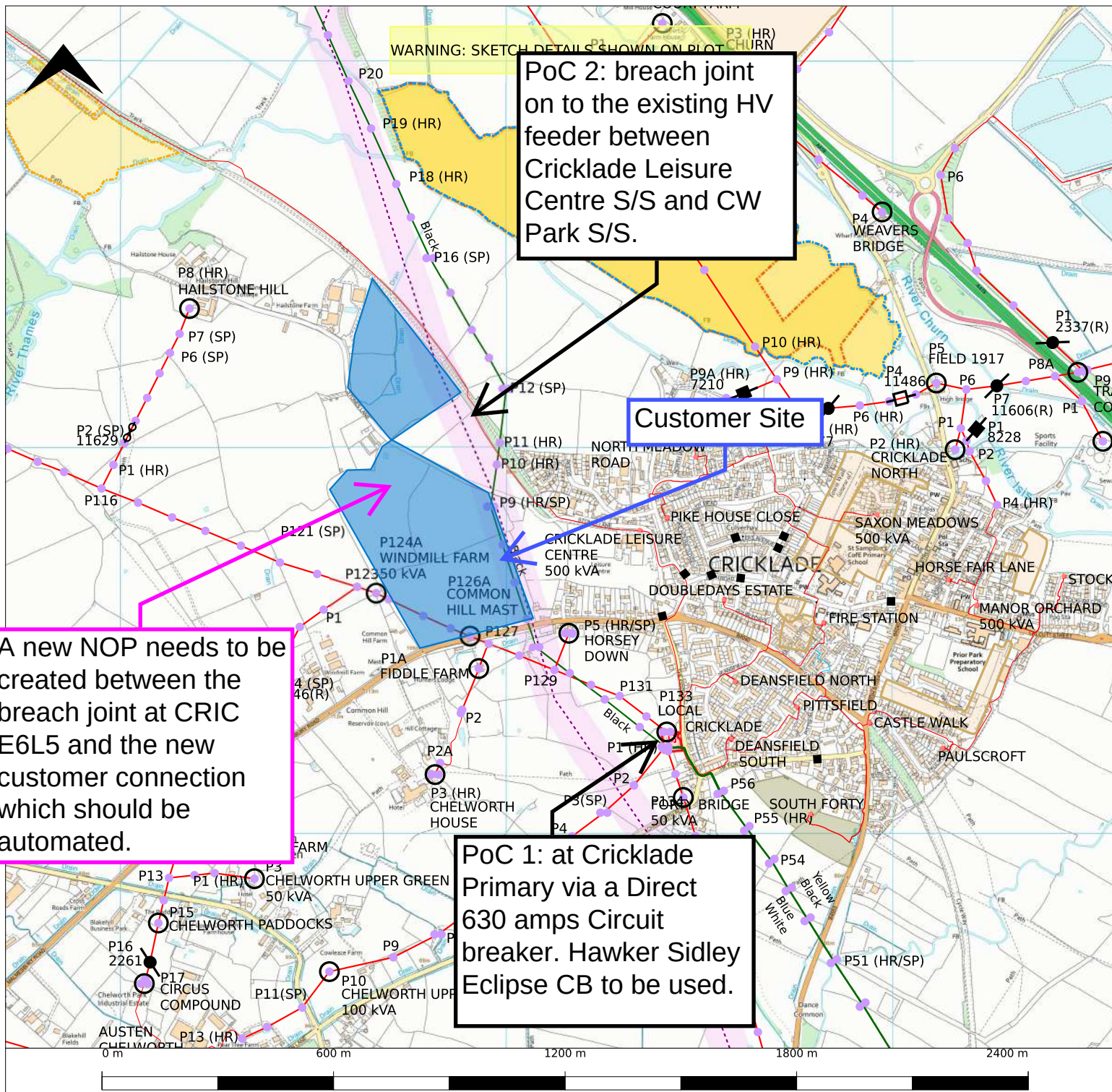
Two interesting points arise:

- a) The increase in capacity will be welcomed by the residents of Cricklade who are dismayed at the frequency of untreated discharges into the Thames. However, the 4 litre per second increase is in danger of being overwhelmed by the 10 litre p/s of this Mac Mic proposal. If it costs £7m to add 4 litre p/s, will it cost £17.5m to add a further 10 litre p/s? Or is even feasible at all? Unfortunately there will probably be no answer to this question from the interested parties to this application.
- b) The quote above from the Thames Water letter of 25th March refers to the Environment Agency possibly objecting. This seems unlikely because they are not one of the statutory consultees and so they might be unaware of this proposal, although we could bring it to their attention.



Appendix C

SSEN Proposals – Loading 1 (5,424kVA)



Map Centre: 409153, 193794		Grid Ref: SU09159379	
Scale: 1:10000	Page Size: A3	Plot Date: 17/04/2026	
Designer Name: MN58641		Job Number:	
Network Type: HV			
UNCONTROLLED COPY Subject to revision			
Master held by SSEN Asset Data Team - Asset.Data@sse.com			

Legend

Segments (Electric)

- Cable Segment EHV Route - 33.00 kV, Existing
- Cable Segment HV Route - 11.00 kV, Existing
- Cable Segment Abandoned Route
- Line Segment EHV Route - 33.00 kV, Existing
- Line Segment HV Route - 11.00 kV, Existing

Equipment (Electric)

- Isolating Equipment Installation HV Symbol Location - Circuit Breaker, Existing, Open
- Isolating Equipment Installation HV Symbol Location - Circuit Breaker, Existing, Closed
- Isolating Equipment Installation HV Symbol Location - Fuses, Existing, Closed
- Isolating Equipment Installation HV Symbol Location - Switch Disconnector, Existing, Open
- Isolating Equipment Installation HV Symbol Location - Switch Disconnector, Existing, Closed
- Equipment Assembly Location - Unknown
- Equipment Assembly Location - Pole Mounted Switch
- Equipment Assembly Location - Aerial Link Box

Distribution Structures (Electric)

- Pole Structure Existing Location - Single
- Pole Structure Existing Location - H

Substation (Electric)

- Substation Existing Extent
- Substation Existing Location - Pole Distribution
- Substation Existing Location - Pole Mounted Distribution
- Substation Existing Location - Switching Station

Common (Electric)

- Service Territory Extent - Embedded Network
- Service Territory Extent - Restricted Access
- BPA - Pipeline Location
- BPA - Pipeline Buffer Zone

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

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depths of cables. H5 (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 NOTE G56 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)

If you are unsure & need to seek advice before commencing excavations please contact;

General Enquiries	0800 048 3516
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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

Subject to revision - Master held by SSEN Distribution Asset Data Team:
Asset.Data@sse.com 01256 337 294

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Network Type: HV

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Legend

- Segments (Electric)**
- Cable Segment EHV Route - 33.00 kV, Existing
 - Cable Segment HV Route - 11.00 kV, Existing
 - Cable Segment Abandoned Route
 - Line Segment EHV Route - 33.00 kV, Existing
 - Line Segment HV Route - 11.00 kV, Existing
- Equipment (Electric)**
- Isolating Equipment Installation HV Symbol Location - Circuit Breaker, Existing, Open
 - Isolating Equipment Installation HV Symbol Location - Circuit Breaker, Existing, Closed
 - Isolating Equipment Installation HV Symbol Location - Fuses, Existing, Closed
 - Isolating Equipment Installation HV Symbol Location - Switch Disconnector, Existing, Open
 - Isolating Equipment Installation HV Symbol Location - Switch Disconnector, Existing, Closed
 - Equipment Assembly Location - Unknown
 - Equipment Assembly Location - Pole Mounted Switch
 - Equipment Assembly Location - Aerial Link Box
- Distribution Structures (Electric)**
- Pole Structure Existing Location - Single
 - Pole Structure Existing Location - H
- Substation (Electric)**
- Substation Existing Extent
 - Substation Existing Location - Other
 - Substation Existing Location - Pole Distribution
 - Substation Existing Location - Pole Mounted Distribution
 - Substation Existing Location - Switching Station
- Common (Electric)**
- Service Territory Extent - Embedded Network
 - Service Territory Extent - Restricted Access

VOLTAGES (V)

ES	up to 1,000V
ES	over 1,000V to 11,000V
ES	22,000V to 132,000V
ES	275,000V and 400,000V

THE TOP OF THE CABLE WHEN LAID

	LV	HV	EHV
ES	0.45m	0.6m	0.8m
ROAD CROSSING	0.6m	0.75m	0.9m
AGRICULTURAL	1m	1m	1.1m

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions 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 NOTE GS6 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)

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WARNING: SKETCH DETAILS SHOWN ON PLOT

PoC 2: breach joint on to the existing HV feeder between Cricklade Leisure Centre S/S and CW Park S/S.

install 6xsubstations within GRP enclosures by SSEN. Base by Customer.

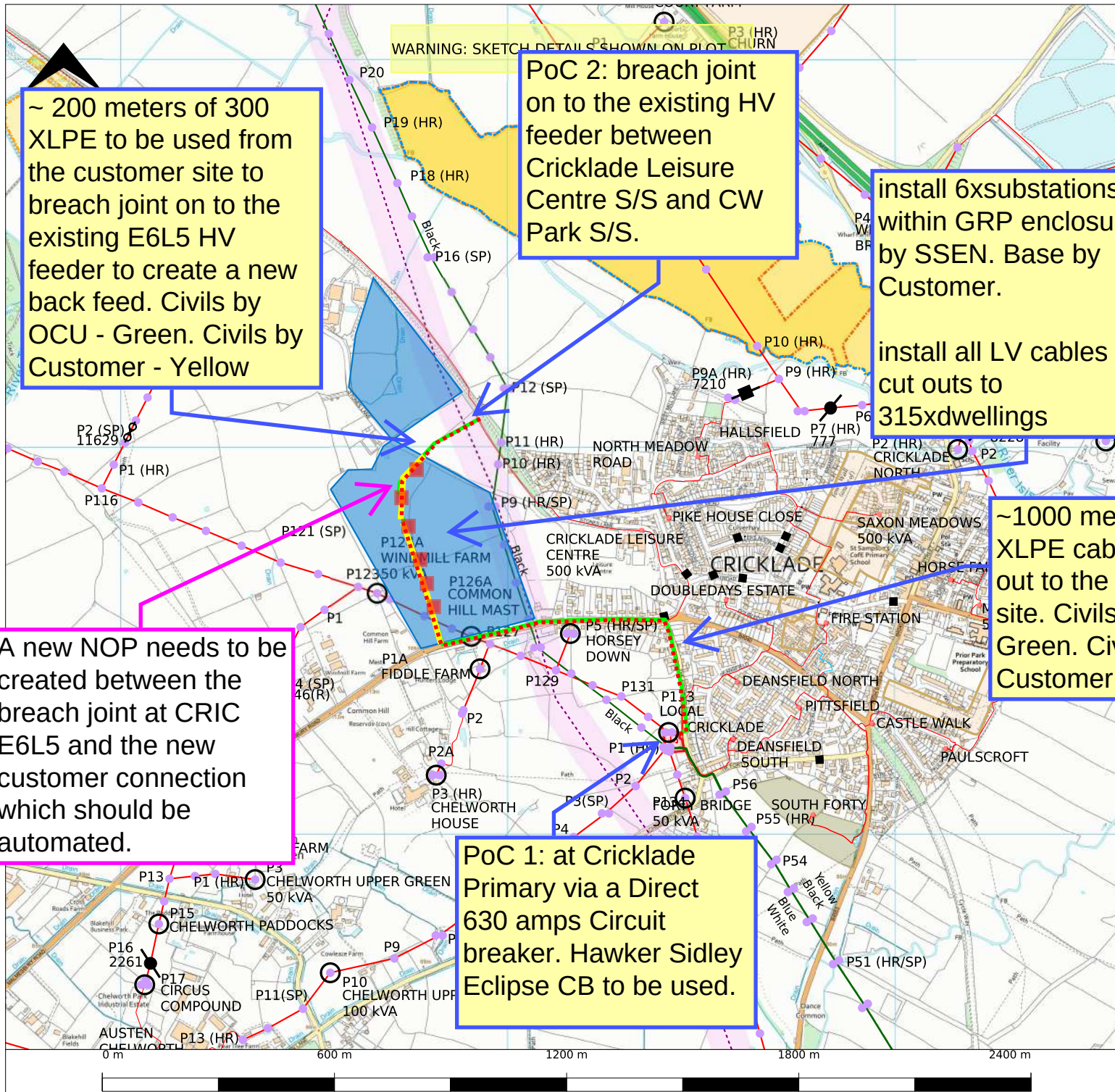
install all LV cables and cut outs to 315xdwellings

~1000 meters of 300 XLPE cable to be laid out to the new customer site. Civils by OCU - Green. Civils by Customer - Yellow

PoC 1: at Cricklade Primary via a Direct 630 amps Circuit breaker. Hawker Sidley Eclipse CB to be used.

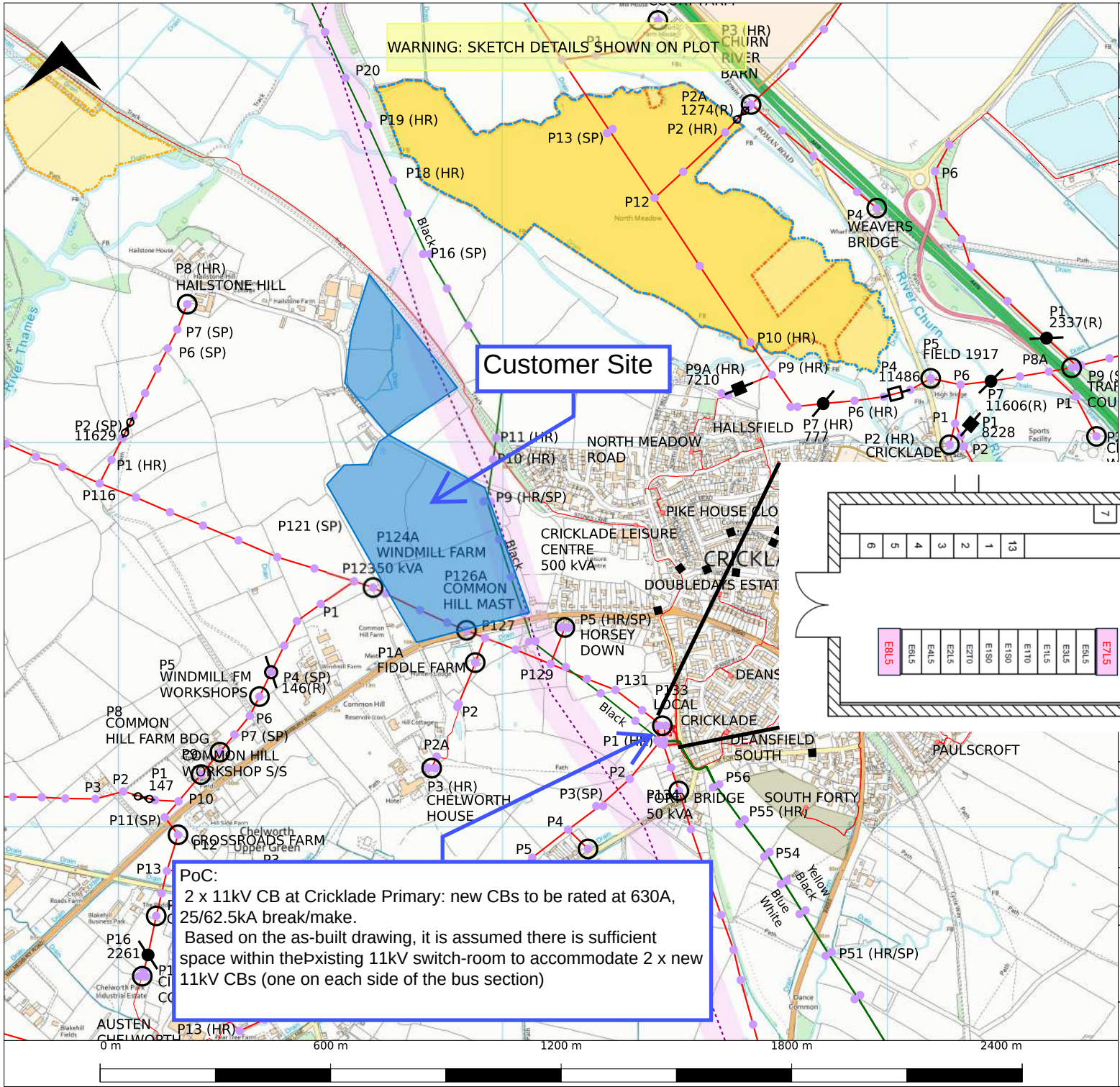
~ 200 meters of 300 XLPE to be used from the customer site to breach joint on to the existing E6L5 HV feeder to create a new back feed. Civils by OCU - Green. Civils by Customer - Yellow

A new NOP needs to be created between the breach joint at CRIC E6L5 and the new customer connection which should be automated.



Appendix D

SSEN Proposals – Loading 2 (7,725kVA)



Map Centre: 409153, 193794

Grid Ref: SU09159379

Scale: 1:10000

Page Size: A3

Plot Date: 17/04/2026

Designer Name: MN58641

Job Number:

Network Type: HV

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Legend

Segments (Electric)

Cable Segment:EHV Route - 33.00 kV, Existing

Cable Segment:HV Route - 11.00 kV, Existing

Cable Segment:Abandoned Route

Line Segment:EHV Route - 33.00 kV, Existing

Line Segment:HV Route - 11.00 kV, Existing

Equipment (Electric)

Isolating Equipment Installation:HV Symbol Location - Circuit Breaker, Existing, Open

Isolating Equipment Installation:HV Symbol Location - Circuit Breaker, Existing, Closed

Isolating Equipment Installation:HV Symbol Location - Fuses, Existing, Closed

Isolating Equipment Installation:HV Symbol Location - Switch Disconnector, Existing, Open

Isolating Equipment Installation:HV Symbol Location - Switch Disconnector, Existing, Closed

Equipment Assembly:Location - Unknown

Equipment Assembly:Location - Pole Mounted Switch

Equipment Assembly:Location - Aerial Link Box

Distribution Structures (Electric)

Pole Structure Existing Location - Single

Pole Structure Existing Location - H

Substation Site (Electric)

Substation Existing Extent

Substation Existing Location - Other

Substation Existing Location - Pole Distribution

Substation Existing Location - Pole Mounted Distribution

Substation Existing Location - Switching Station

ryExtent - Embedded Network

ryExtent - Restricted Access

Location

Buffer Zone

VOLTAGES (V)	
Services	up to 1,000V
	over 1,000V to 11,000V
age)	22,000V to 132,000V
	275,000V and 400,000V

PTH TO THE TOP OF THE CABLE WHEN LAID			
Services	LV	HV	EHV
0.45m	0.45m	0.6m	0.8m
0.6m	0.6m	0.75m	0.9m
1m	1m	1m	1.1m

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depths of cables. H5 (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 NOTE GS6 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)

If you are unsure & need to seek advice before commencing excavations please contact;

General Enquiries

0800 048 3516

Southern Electric Power Distribution plc

Registered Office: No 1 Forbury Place

43 Forbury Road Reading RG1 3JH

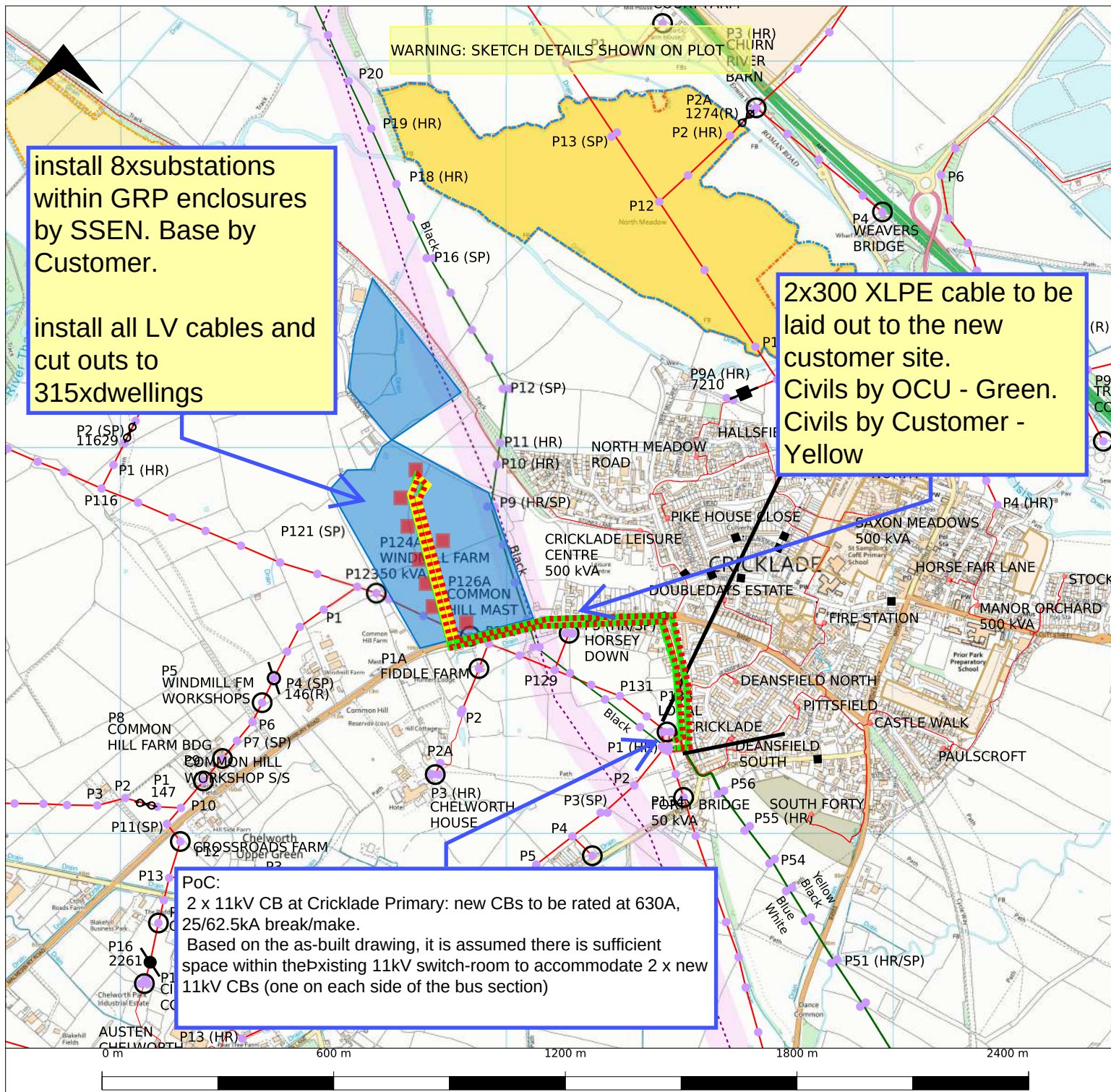
Registered In England & Wales No.04094290

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Asset.Data@sse.com 01256 337 294

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Scottish & Southern Electricity Networks

Map Centre: 409153, 193794

Grid Ref: SU09159379

Scale: 1:10000

Page Size: A3

Plot Date: 17/04/2026

Designer Name: MN58641

Job Number:

Network Type: HV

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Legend

Segments (Electric)

- Cable Segment-EHV Route - 33.00 kV, Existing
- Cable Segment-HV Route - 11.00 kV, Existing
- Cable Segment-Abandoned Route
- Line Segment-EHV Route - 33.00 kV, Existing
- Line Segment-HV Route - 11.00 kV, Existing

Equipment (Electric)

- Isolating Equipment Installation-HV Symbol Location - Circuit Breaker, Existing, Open
- Isolating Equipment Installation-HV Symbol Location - Circuit Breaker, Existing, Closed
- Isolating Equipment Installation-HV Symbol Location - Fuses, Existing, Closed
- Isolating Equipment Installation-HV Symbol Location - Switch Disconnector, Existing, Open
- Isolating Equipment Installation-HV Symbol Location - Switch Disconnector, Existing, Closed
- Equipment Assembly Location - Unknown
- Equipment Assembly Location - Pole Mounted Switch
- Equipment Assembly Location - Aerial Link Box

Distribution Structures (Electric)

- Pole Structure Existing Location - Single
- Pole Structure Existing Location - H

Substation Site (Electric)

- Substation Existing Extent
- Substation Existing Location - Other
- Substation Existing Location - Pole Mounted Distribution
- Substation Existing Location - Pole Mounted Distribution
- Substation Existing Location - Switching Station

Common (Electric)

- Service Territory Extent - Embedded Network
- Service Territory Extent - Restricted Access
- BPA - Pipeline Location
- BPA - Pipeline Buffer Zone

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

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions 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 NOTE GS6 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)

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