

# CIL-LONYDD SOLAR FARM ENVIRONMENTAL STATEMENT

Volume 2 - Figures

JPW2051

April 2024

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**Figure 2.1**  
Site Location Plan




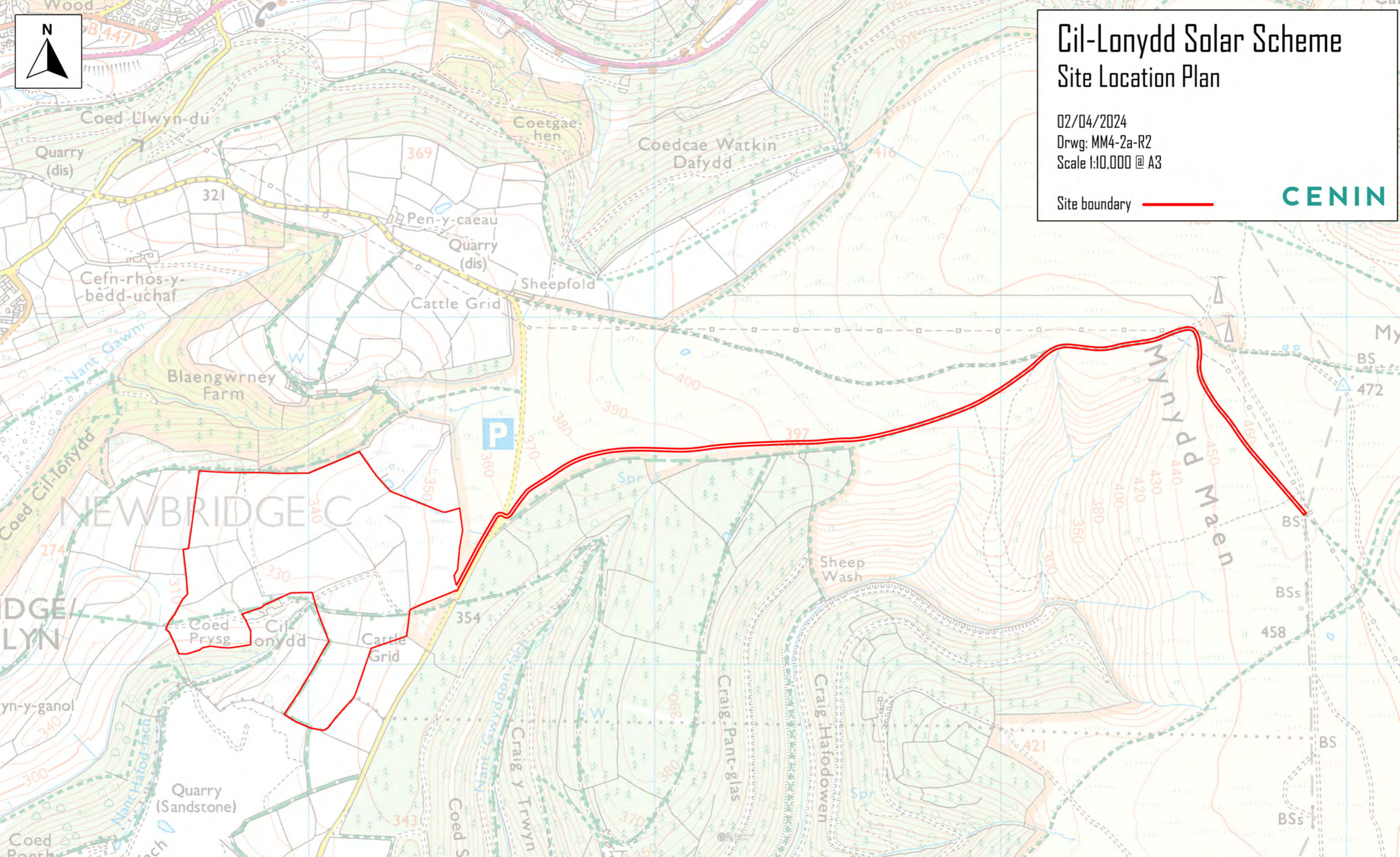





# Cil-Lonydd Solar Scheme Site Location Plan

02/04/2024  
Drwg: MM4-2a-R2  
Scale 1:10,000 @ A3

Site boundary 





**Figure 2.2**  
Site Layout Plan







# Cil-Lonydd Solar Scheme Indicative Site Layout Plan

10/03/2024

Drwg: MM4-2b-R1

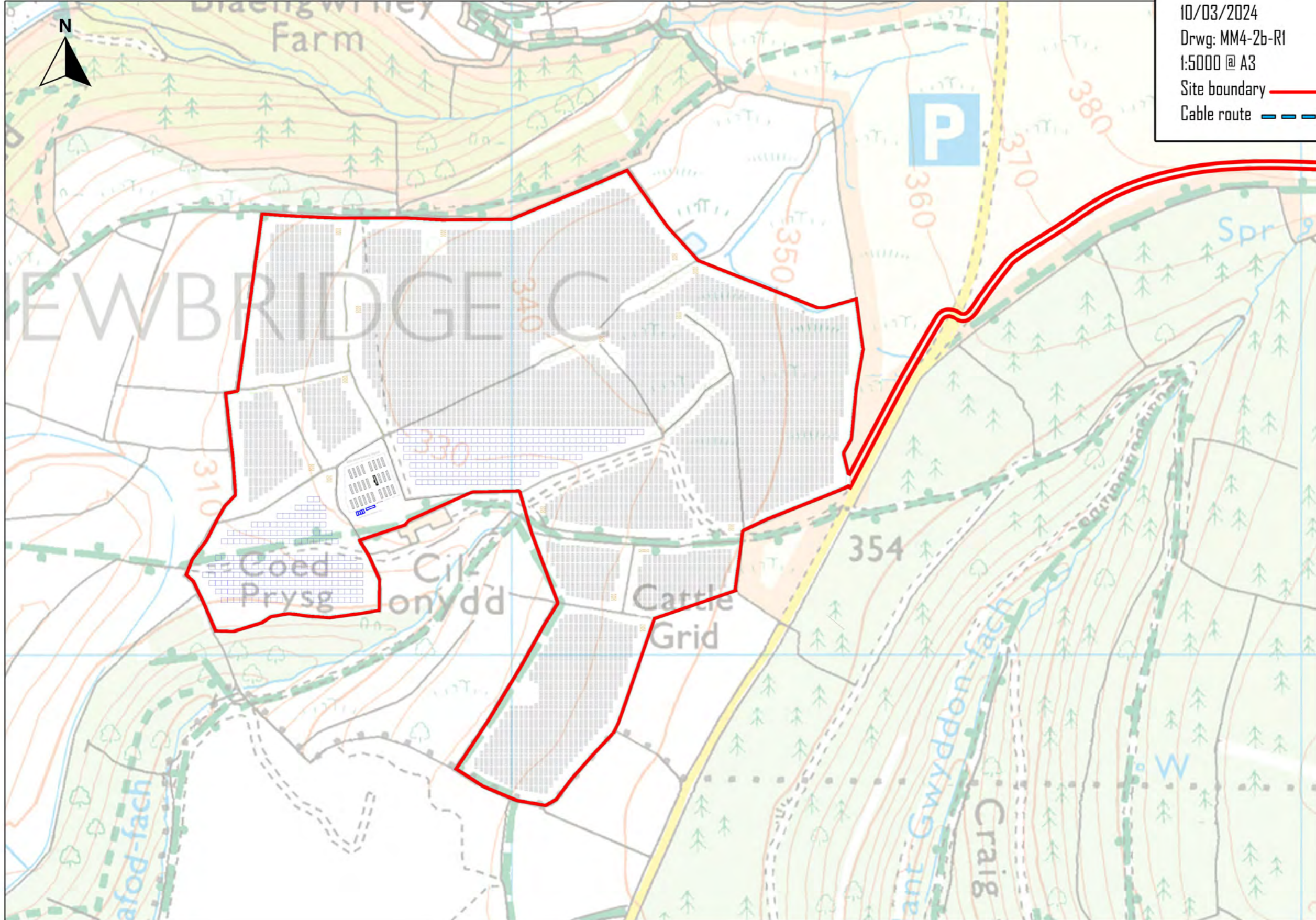
1:5000 @ A3

Site boundary 

Cable route 

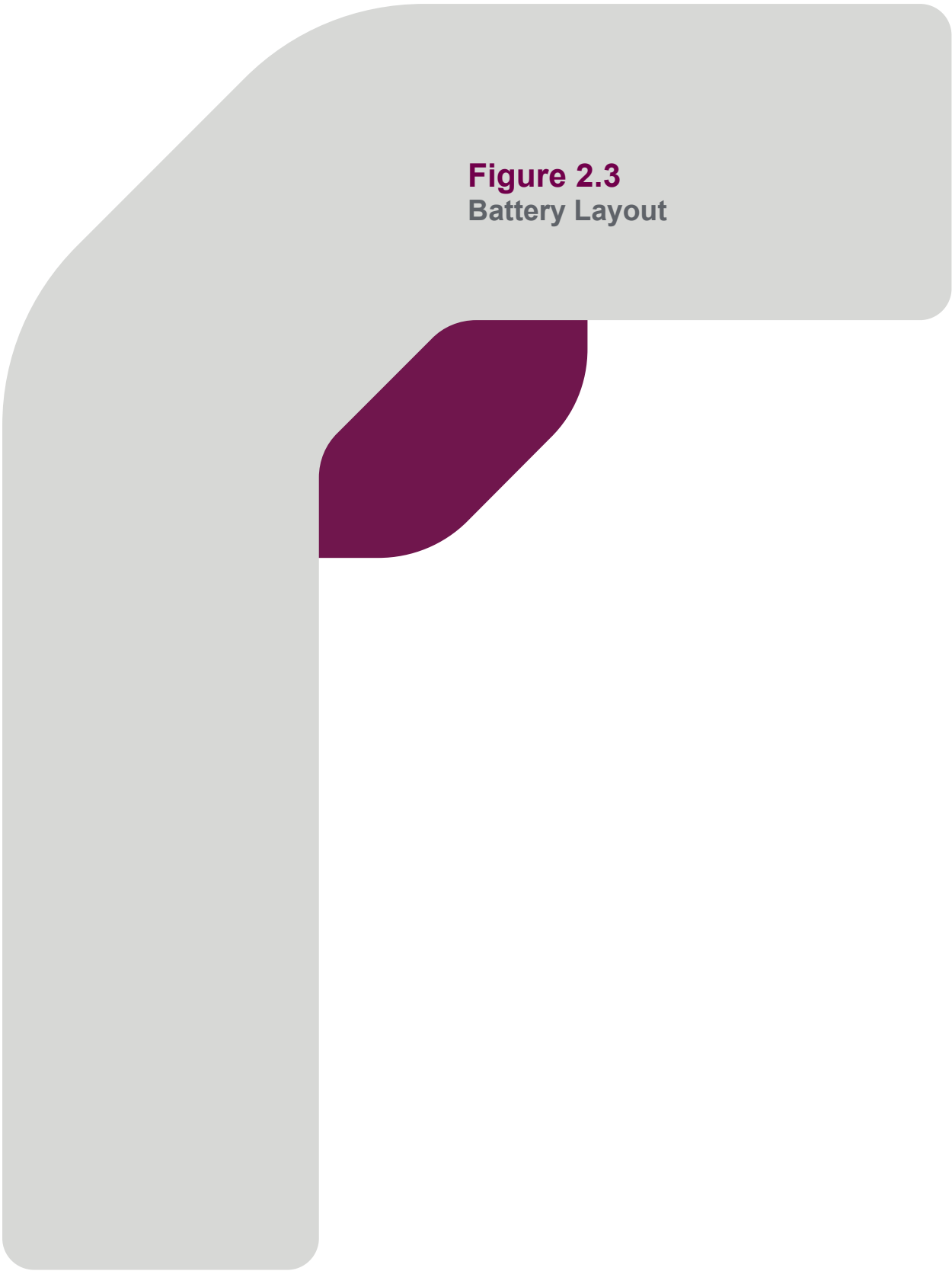
Inverters 

Trees 





**Figure 2.3**  
Battery Layout



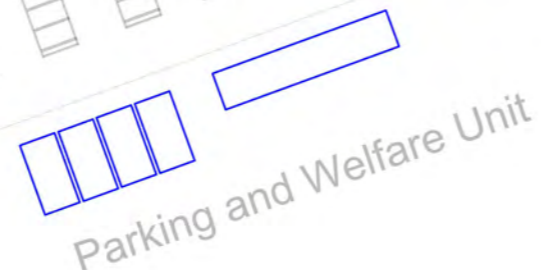
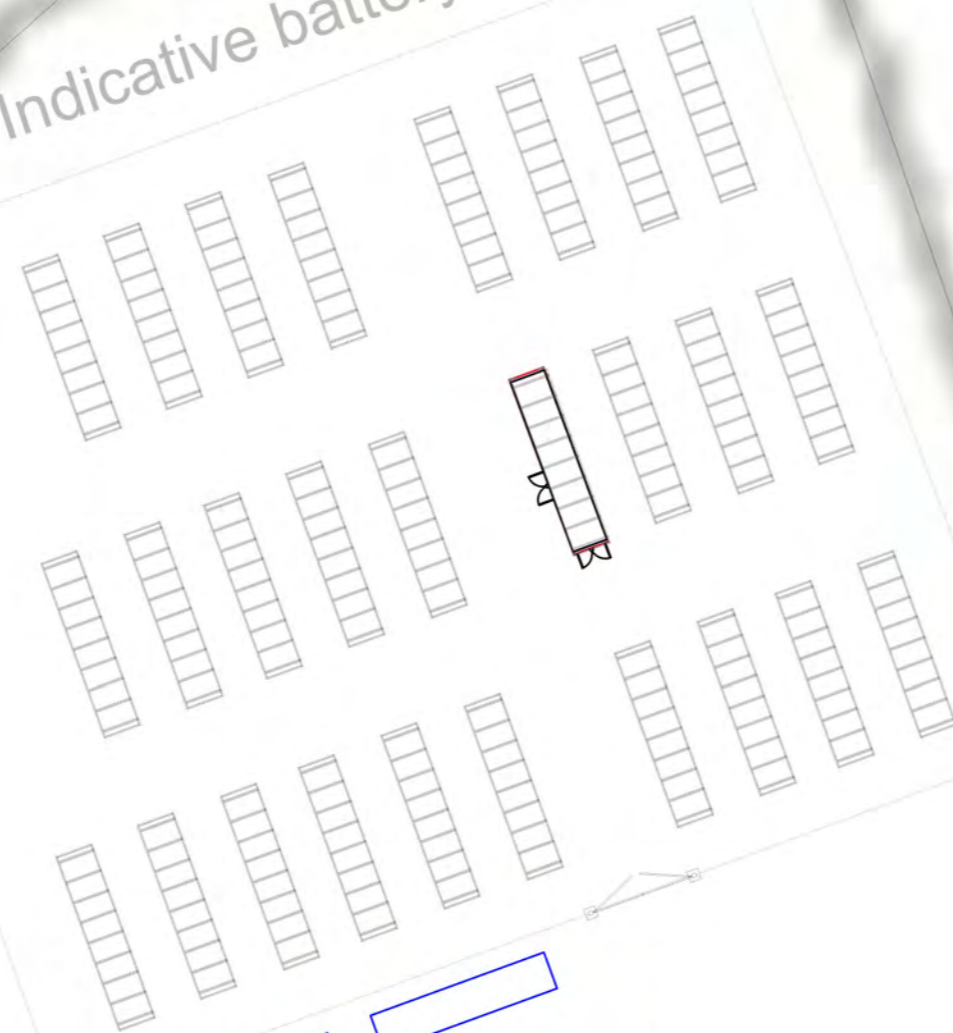
# Cil-Lonydd Solar Scheme Indicative Battery Compound

20/02/2024  
Drwg: MM4-2e

Site boundary —

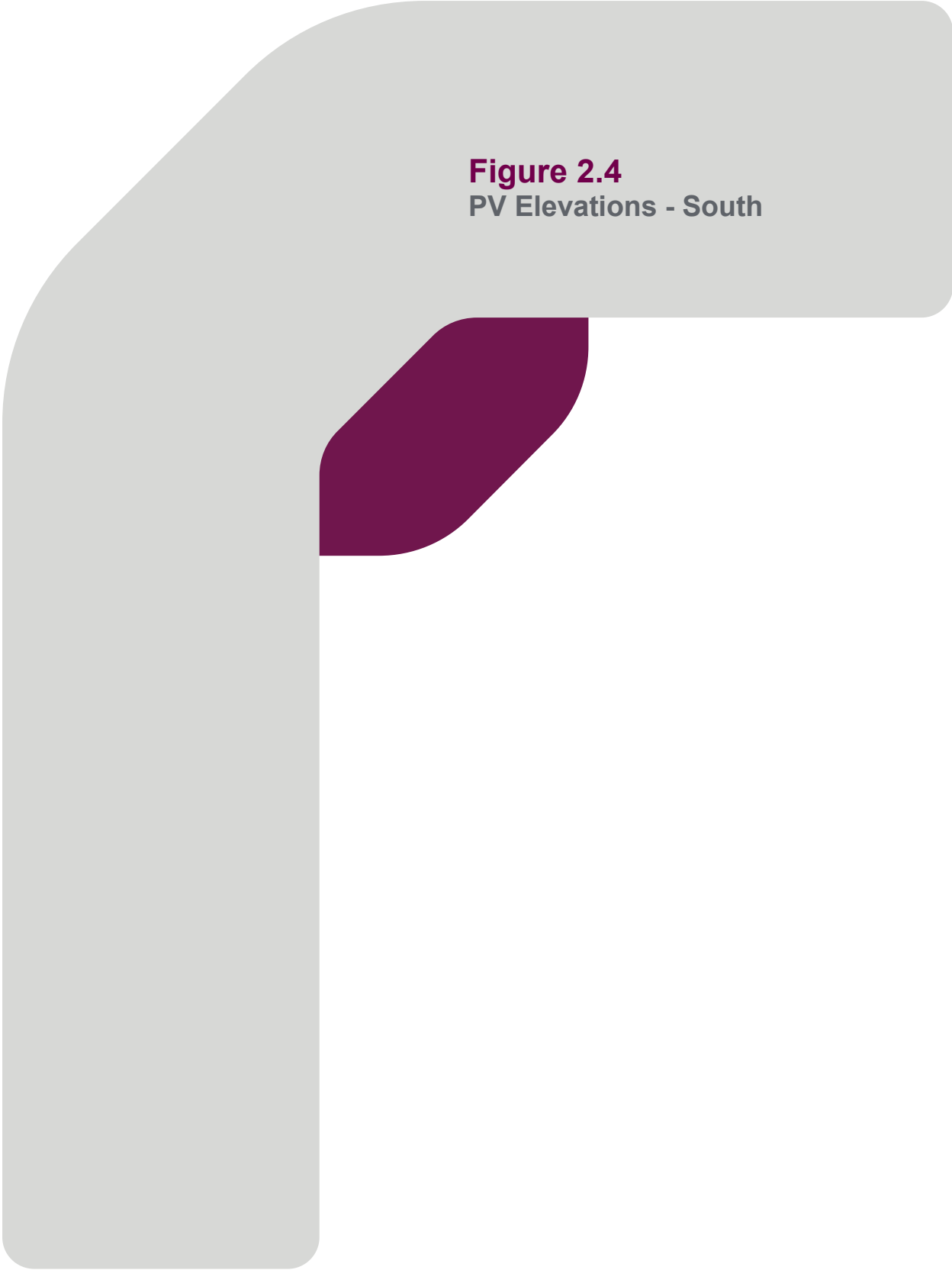
**CENIN**

Indicative battery layout



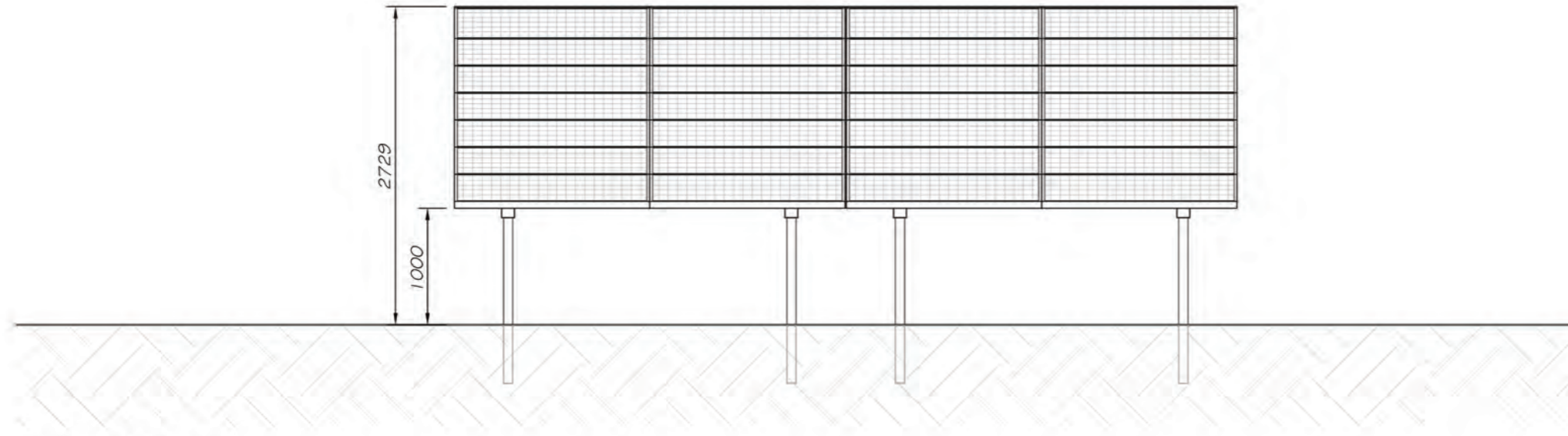
Parking and Welfare Unit

**Figure 2.4**  
PV Elevations - South

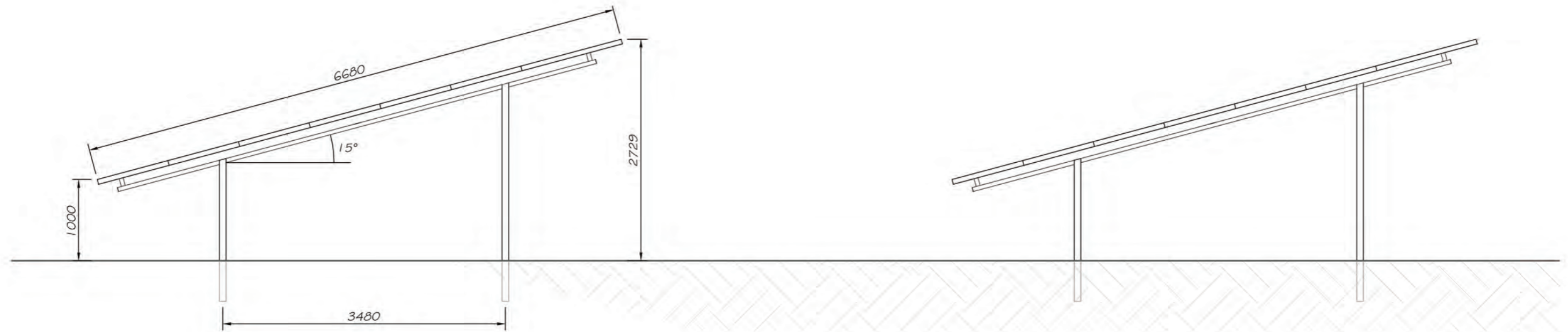


DRWG: MM4-2c

20/02/2024



PV ARRAY ELEVATION



PV ARRAY SECTIONAL DETAIL

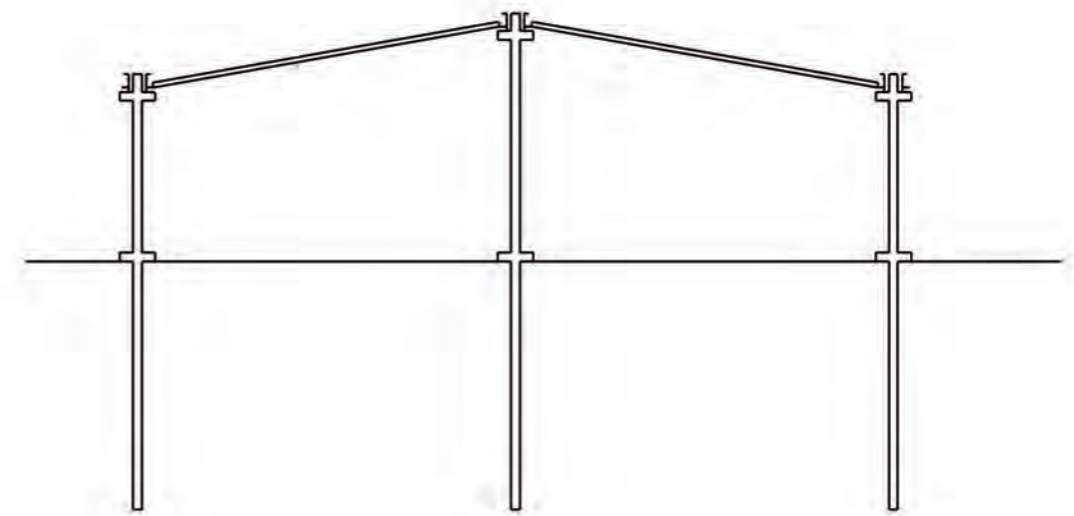
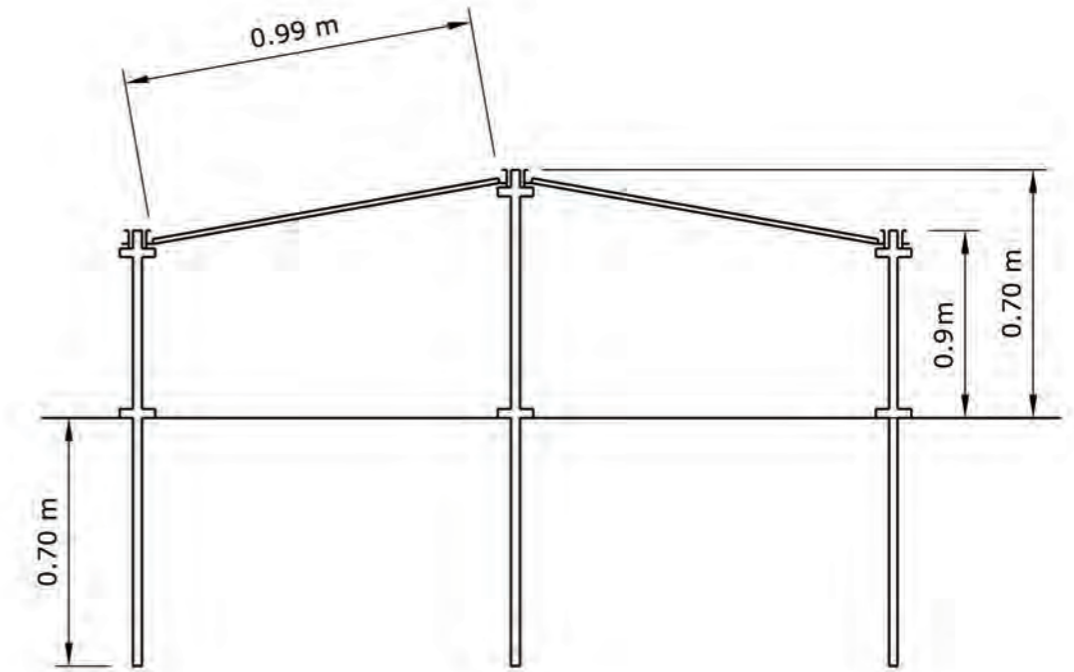
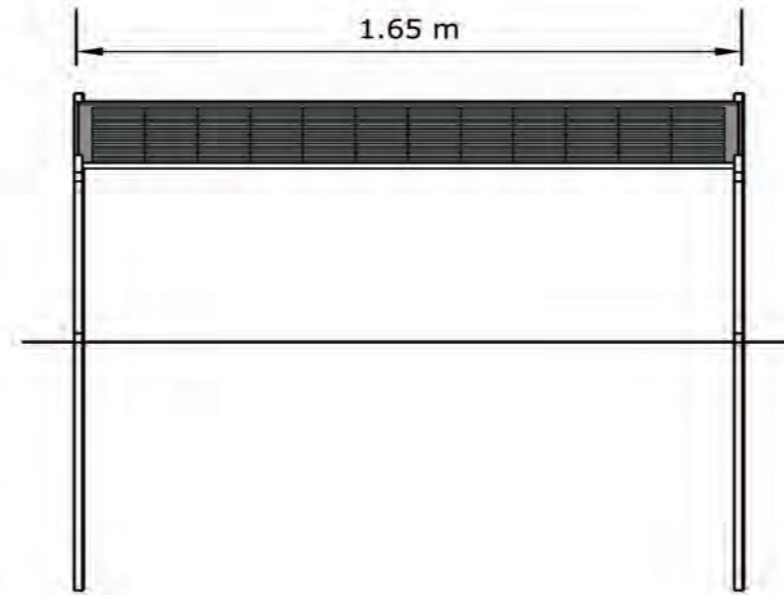
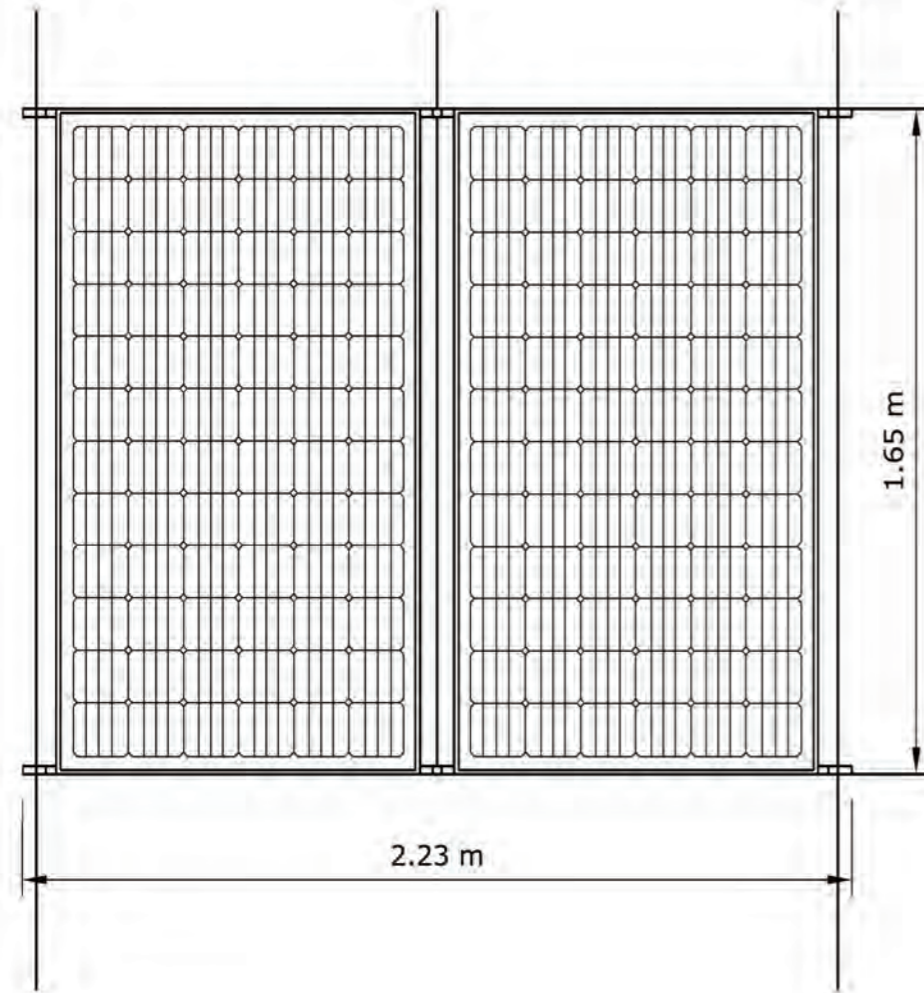


**Figure 2.5**  
PV Elevations - East West



DRWG: MM4-2d

20/02/2024



**Figure 2.5**  
Cable Route



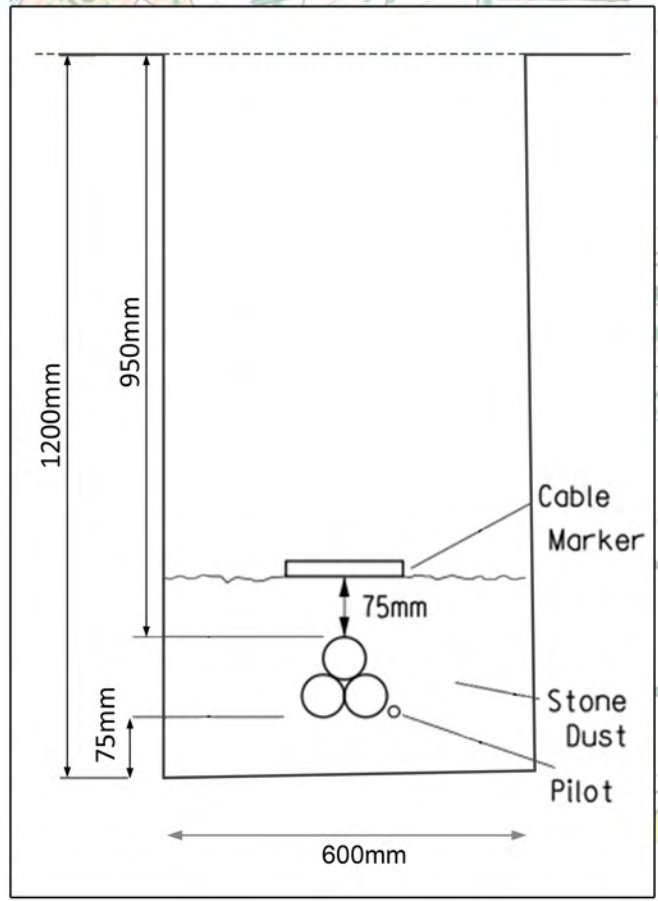
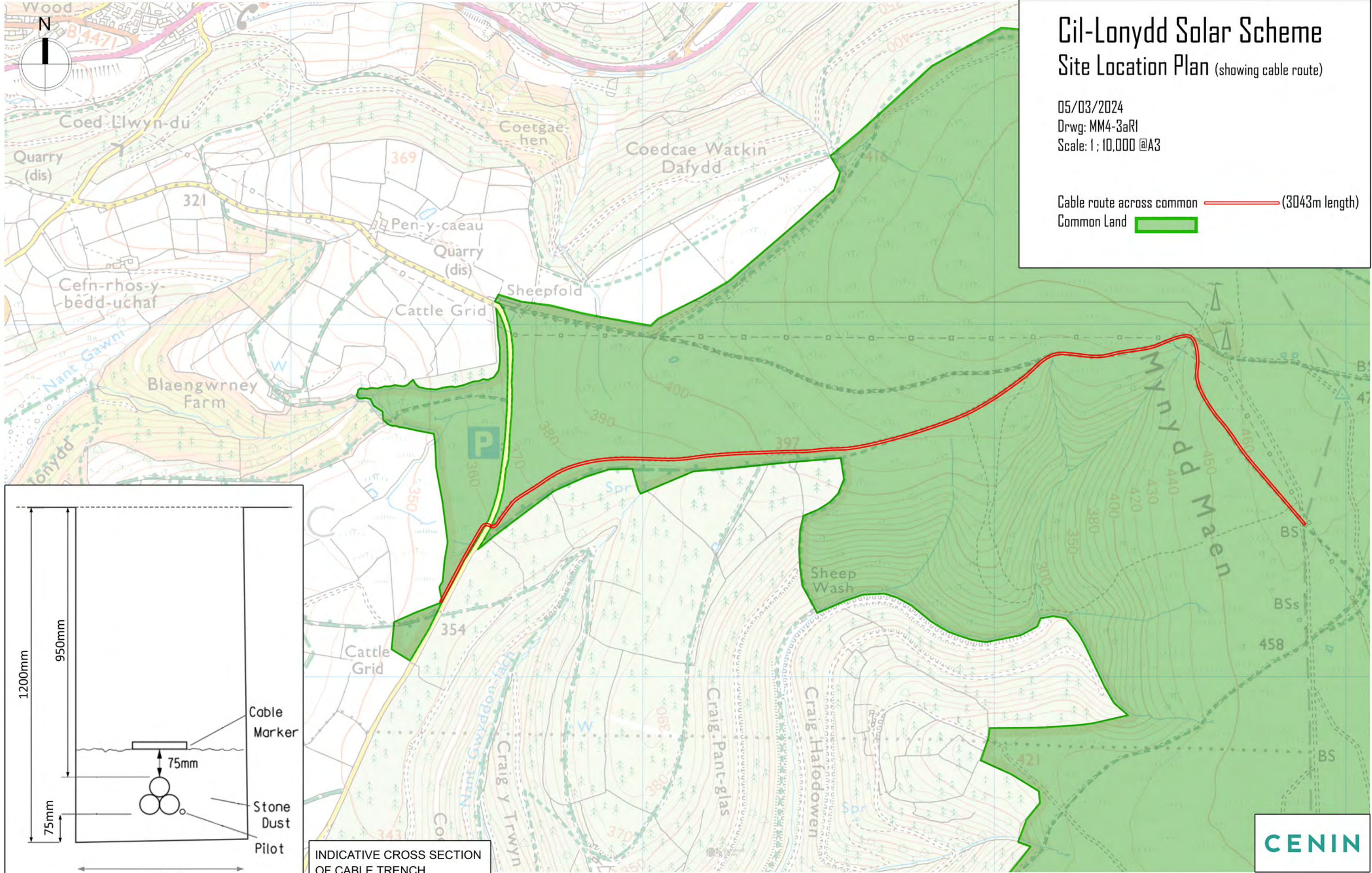




# Cil-Lonydd Solar Scheme Site Location Plan (showing cable route)

05/03/2024  
Drwg: MM4-3aR1  
Scale: 1 : 10,000 @A3

Cable route across common  (3043m length)  
Common Land 

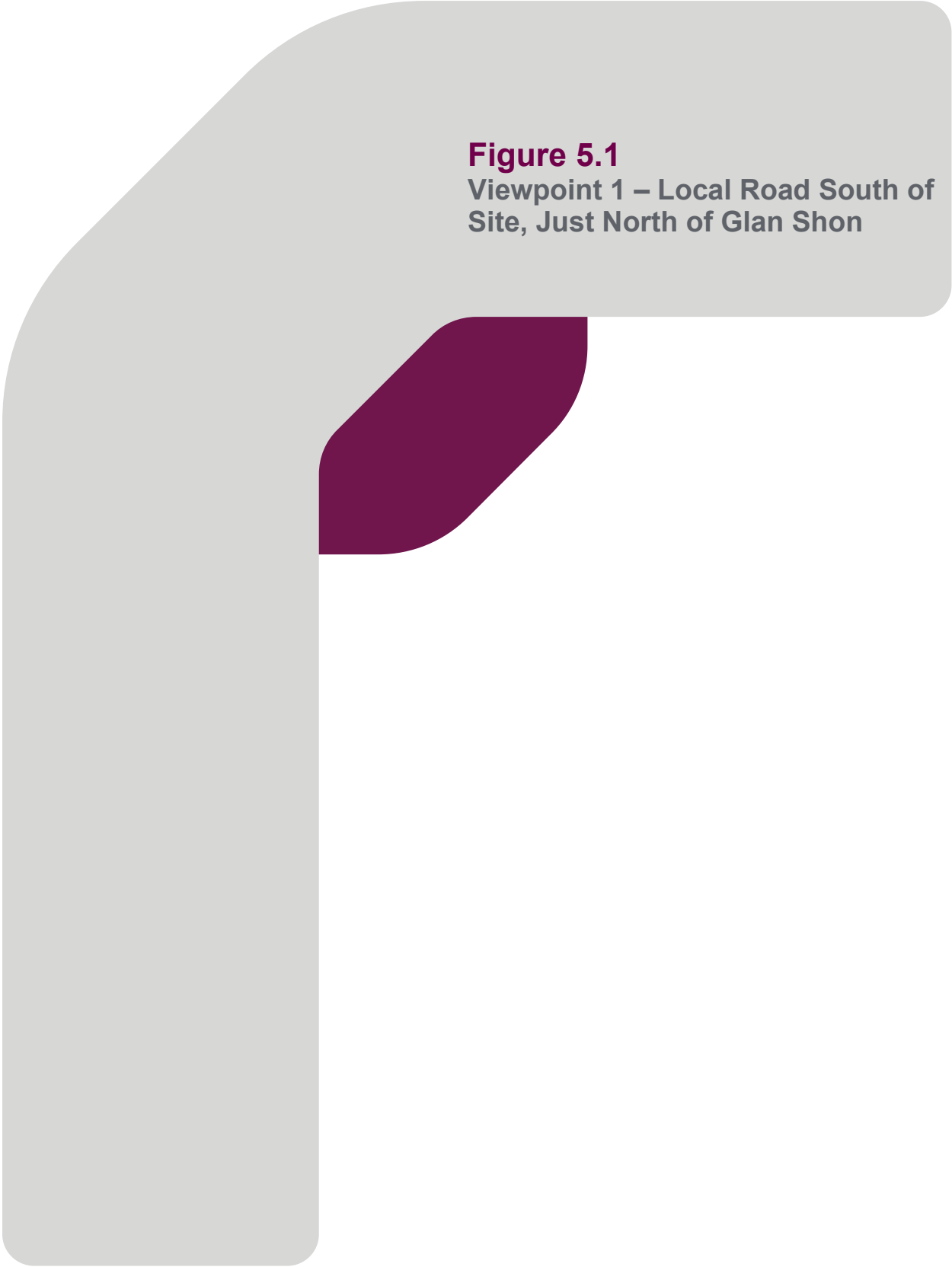


INDICATIVE CROSS SECTION  
OF CABLE TRENCH  
Scale 1:12.5 @ A3





**Figure 5.1**  
Viewpoint 1 – Local Road South of  
Site, Just North of Glan Shon








Existing View



Photomontage View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	300.2	322603 196208	11/02/24	12:28	65.5°	9.37°	733m	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM





**Figure 5.2**  
Viewpoint 2 - Public Right of Way  
Immediately South of Site





Existing View

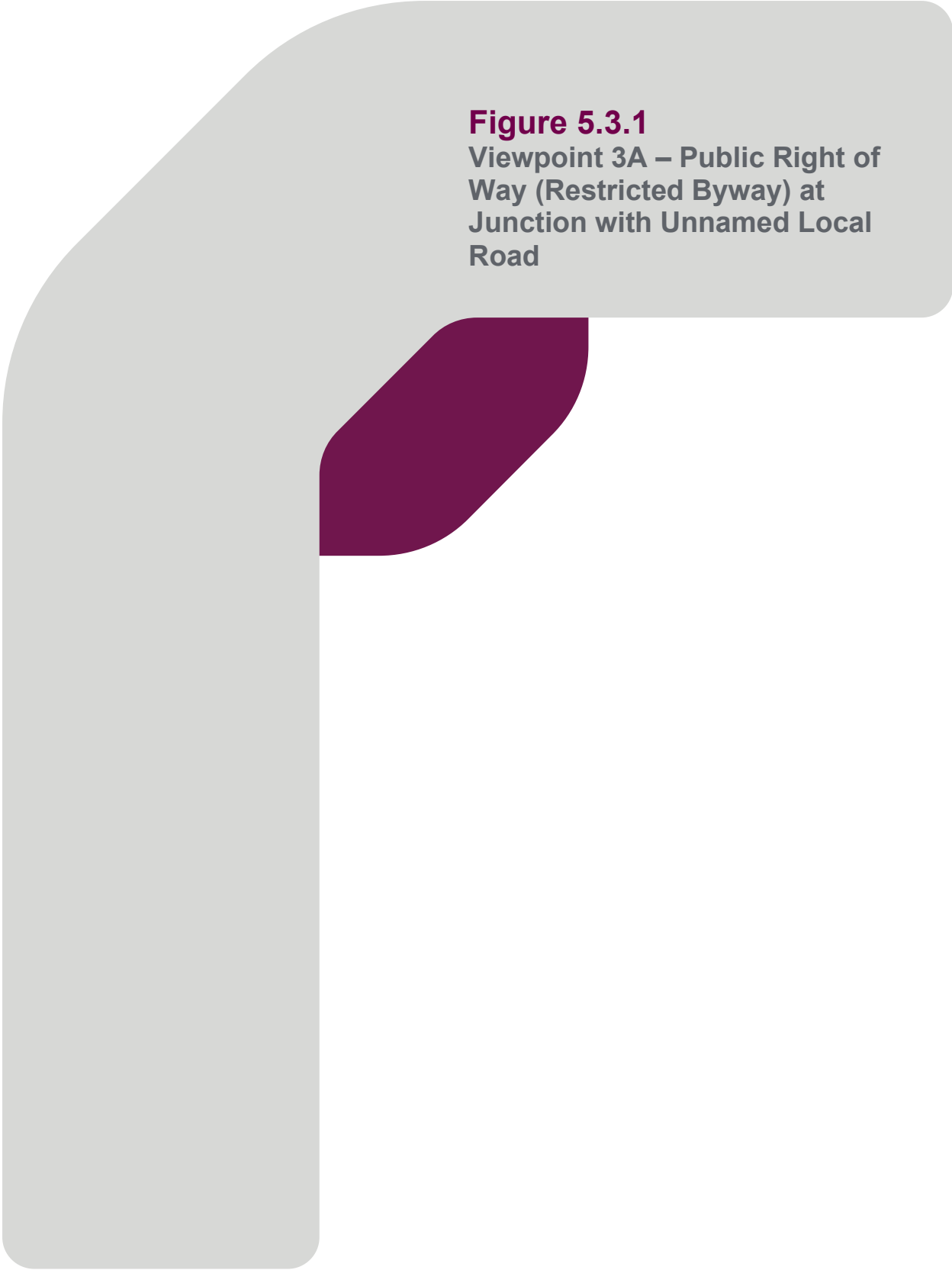


Photomontage View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	341.1	322995 196733	11/02/24	13:36	65.5°	30.57°	94m	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM



**Figure 5.3.1**  
Viewpoint 3A – Public Right of Way (Restricted Byway) at Junction with Unnamed Local Road







Existing View

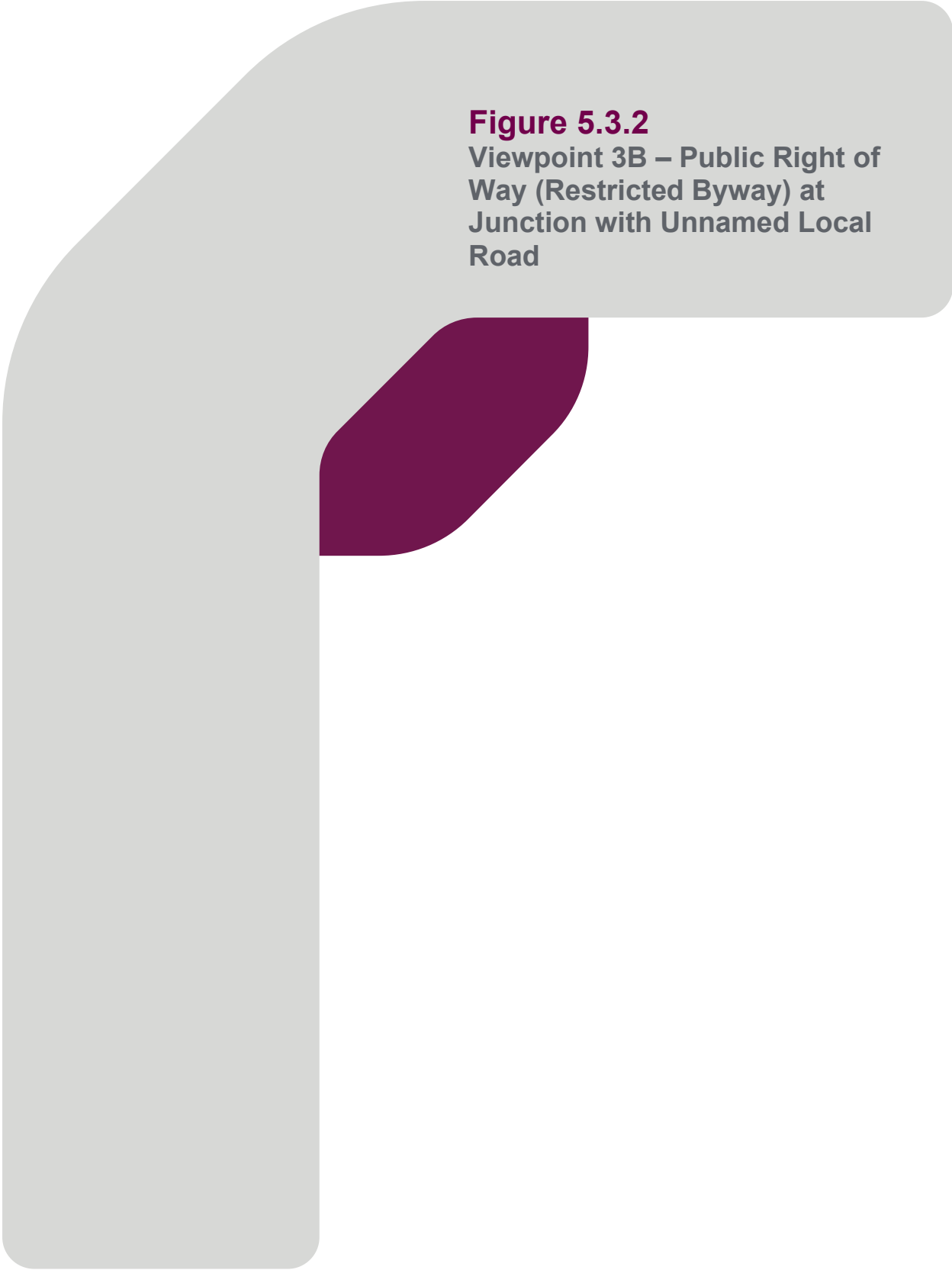


Photomontage View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	353.4	323427 197181	11/02/24	15:11	65.5°	259.01°	112m	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM



**Figure 5.3.2**  
Viewpoint 3B – Public Right of Way (Restricted Byway) at Junction with Unnamed Local Road







Existing View



Photomontage View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	353.4	323427 197181	11/02/24	15:12	65.5°	316.14°	112m	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM



**Figure 5.4.1**  
Viewpoint 4A – Public Right of Way adjacent to Cil-Lonydd Farm







Existing View



Photomontage View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	321.4	322954 197182	11/02/24	14:17	65.5°	73.59°	30m	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM





**Figure 5.4.2**  
Viewpoint 4B – Public Right of  
Way adjacent to Cil-Lonydd Farm





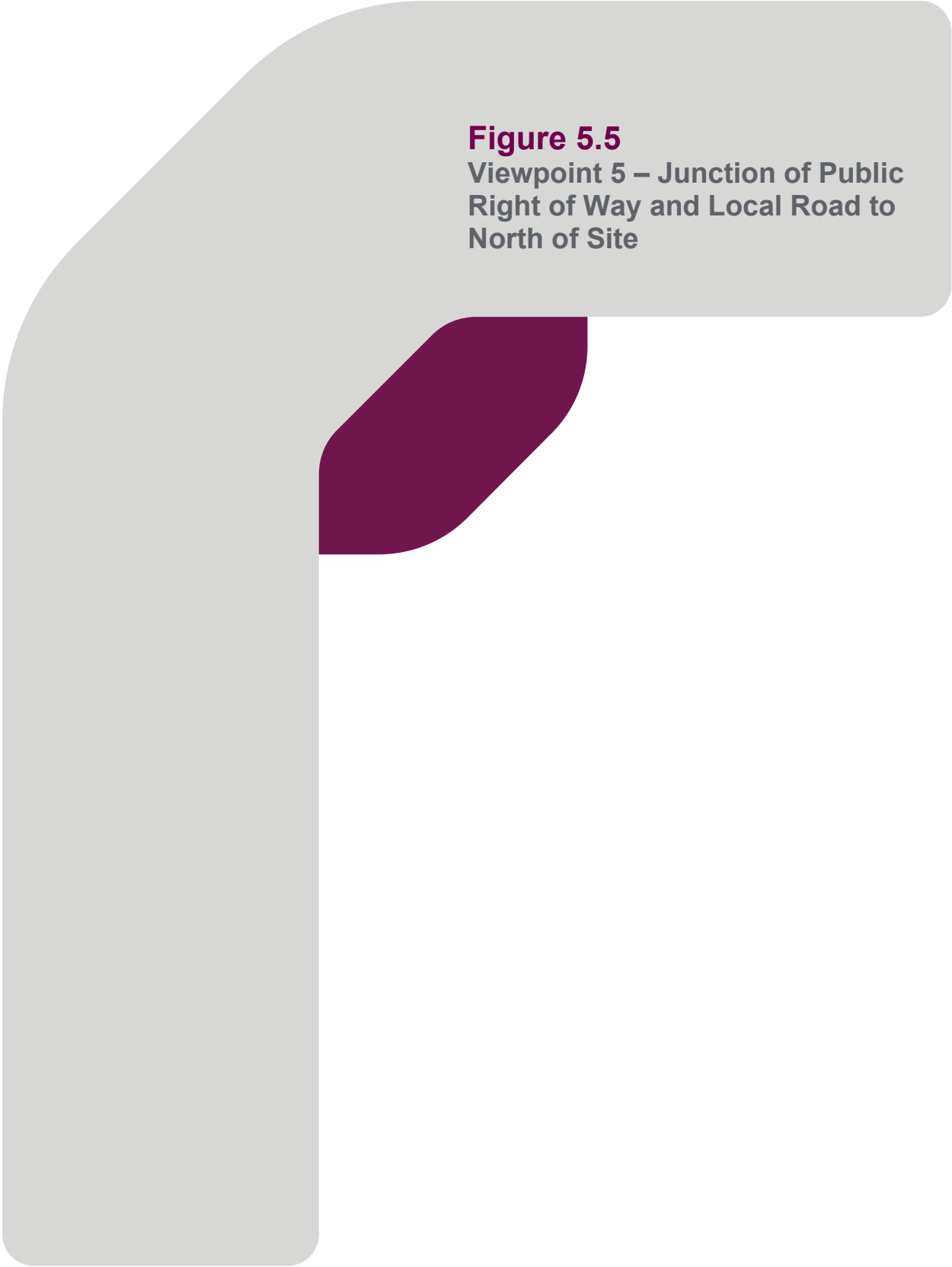
Existing View



Photomontage View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	321.4	322954 197182	11/02/24	14:17	65.5°	142.25°	40m	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM





**Figure 5.5**  
Viewpoint 5 – Junction of Public  
Right of Way and Local Road to  
North of Site





Existing View



Photomontage View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	361.2	323280 199201	12/02/24	17:50	65.5°	192.84°	628m	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM





**Figure 5.6**  
Viewpoint 6 – Public Right of Way  
Northeast of Proposed Site





Existing View



Photomontage View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	370.6	323617 197775	11/02/24	10:46	65.5°	227.80°	398m	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM





**Figure 5.7**  
Viewpoint 7 – Public Right of Way  
Route to Peak of Mynydd Maen,  
Northeast of Site





Existing View



Photomontage View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	413.6	324355 197895	11/02/24	11:15	65.5°	244.74°	1.040 km	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM





**Figure 5.8**  
Viewpoint 8 – Public Right of Way  
near Hafod-arthen





Existing View



Annotated View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	353.6	322088 201873	12/02/24	12:50	65.5°	168.85°	4.373 km	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM





**Figure 5.9**  
Viewpoint 9 – Public Right of way  
just South of Llanerch-uchaf





Existing View



Annotated View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	266.3	321506 200094	12/02/24	13:48	65.5°	148.99°	2.817 km	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM



**Figure 5.10**  
Viewpoint 10 – Public Route East  
of Pen y Fan Industrial Estate







Existing View



Annotated View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	281.5	320143 199479	12/02/24	14:41	65.5°	126.64°	3.210 km	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM





**Figure 5.11**  
Viewpoint 11 – Layby off Pentwyn  
Road near junction with Load of  
Hay Road





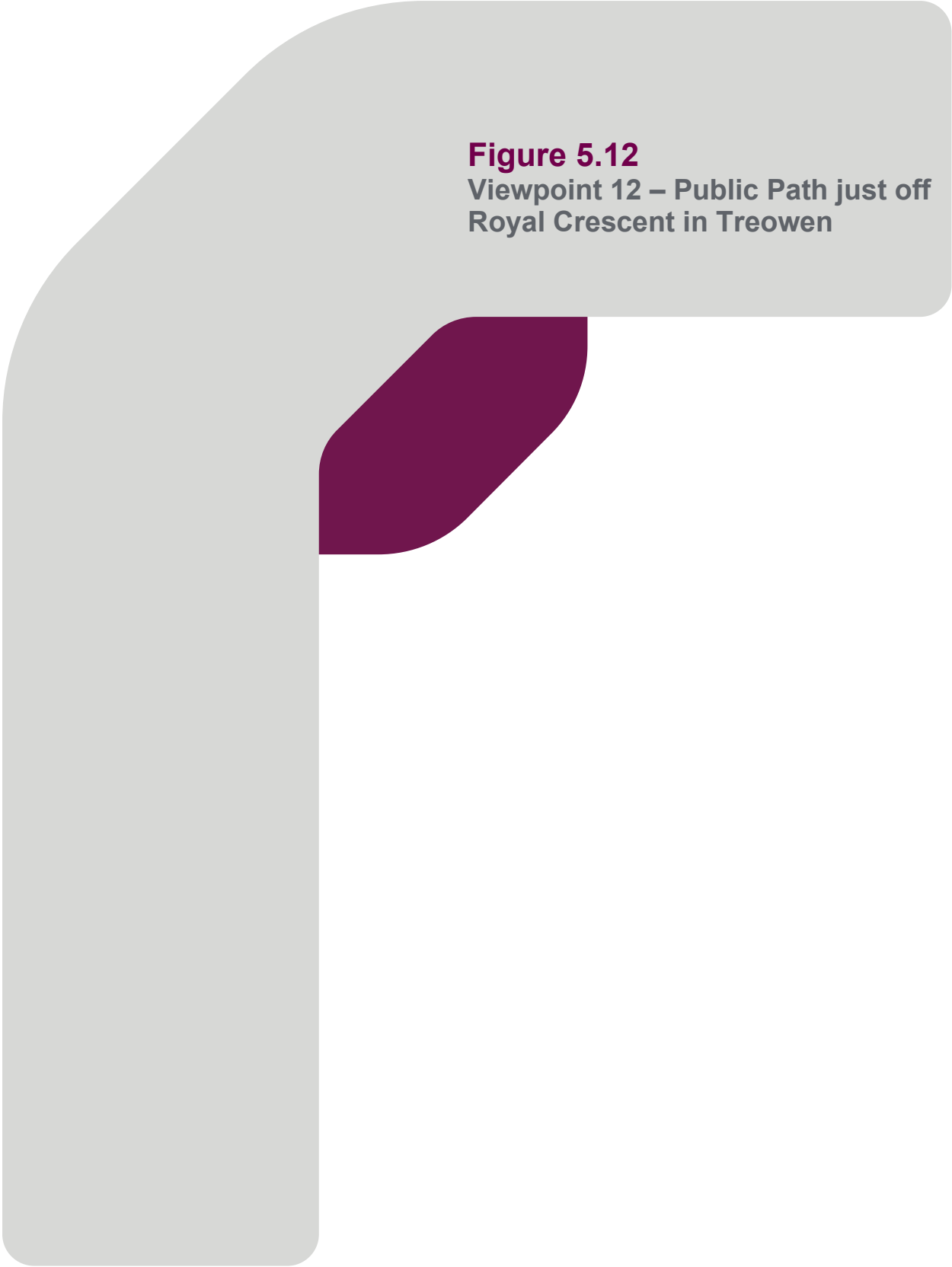
Existing View



Photomontage View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	229.7	320701 199061	12/02/24	15:30	65.5°	129.29°	2.512 km	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM





**Figure 5.12**  
Viewpoint 12 – Public Path just off  
Royal Crescent in Treowen





Existing View



Photomontage View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	195.5	320852 197972	12/02/24	15:57	65.5°	109.71°	1.895 km	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM



**Figure 5.13**  
Viewpoint 13 – Local Road  
between Croespenmaen and  
Pentwyn-mawr





Existing View



Annotated View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	271.1	319364 197803	12/02/24	16:15	65.5°	100.92°	3.320 km	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM



**Figure 5.14**  
Viewpoint 14 – Public Right of  
Way South of Pennar-ganol Farm







Existing View

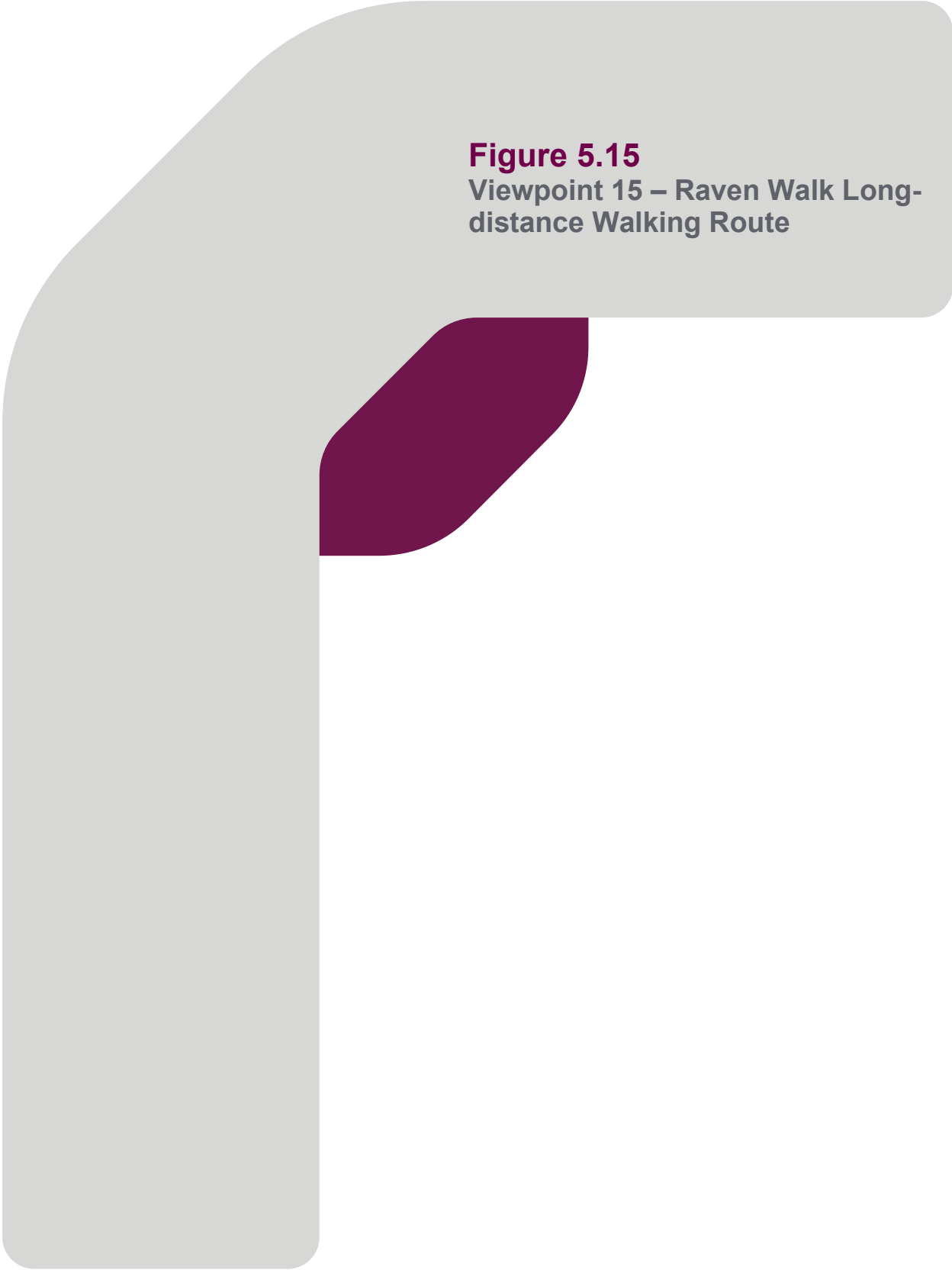


Annotated View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	249.3	320195 199823	10/02/24	16:33	65.5°	62.32°	2.729 km	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM



**Figure 5.15**  
Viewpoint 15 – Raven Walk Long-distance Walking Route







Existing View



Annotated View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	350.2	320092 193807	10/02/24	16:57	65.5°	34.80°	4.130 km	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM





**Figure 5.16**  
Viewpoint 16 Junction of Linden  
Court and Old Pant Road,  
Pantside





Photomontage View

Viewer Height	Ground Height	Viewpoint Grid Reference	Date of Photo	Time of Photo	Field of View	Direction of View	Distance to Development	Principal Distance	Correct Image Size	Camera Used	Lens Used
1.5m	263.7	322137 197971	10/02/24	17:23	65.5°	127.20°	708 m	522mm	820 x 220mm	Canon EOS 5D Mk4	Canon EF 28mm f/1.8 USM



**Figure 5.17 – 5.19**  
**Baseline Site Photographs**





Viewpoint A



Viewpoint B



Viewpoint C



Viewpoint D

REVISIONS

0	Revision	Date	By
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Refer to Baseline Viewpoint Locations (Figure 5.21)



info@galpinlandscape.co.uk  
www.galpinlandscape.co.uk

Client <b>Cenin</b>		
Project <b>Cil-Lonydd Solar Farm</b>		
Location <b>Abercarn, South Wales</b>		
Drawing <b>Baseline Site Photographs (1/3)</b>		
Scale -	Date 15.04.24	Drawn By PM
Drawing Number <b>Figure 5.17</b>	Revision Rev0	Checked by SG





Viewpoint E



Viewpoint F



Viewpoint G



Viewpoint H

REVISIONS

0	Revision	Date	By
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Refer to Baseline Viewpoint Locations (Figure 5.21)

 <p>Galpin Landscape Architecture</p> <p>info@galpinlandscape.co.uk www.galpinlandscape.co.uk</p>		
Client Cenin		
Project Cil-Lonydd Solar Farm		
Location Abercarn, South Wales		
Drawing Baseline Site Photographs (2/3)		
Scale -	Date 15.04.24	Drawn By PM
Drawing Number Figure 5.18	Revision Rev0	Checked by SG





Viewpoint I



Viewpoint J



Viewpoint K



Viewpoint L

REVISIONS

0	Revision	Date	By
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Refer to Baseline Viewpoint Locations (Figure 5.21)

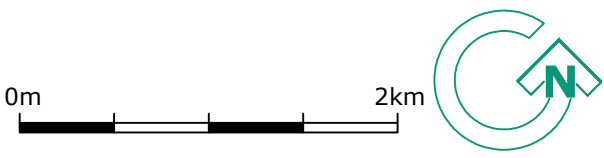
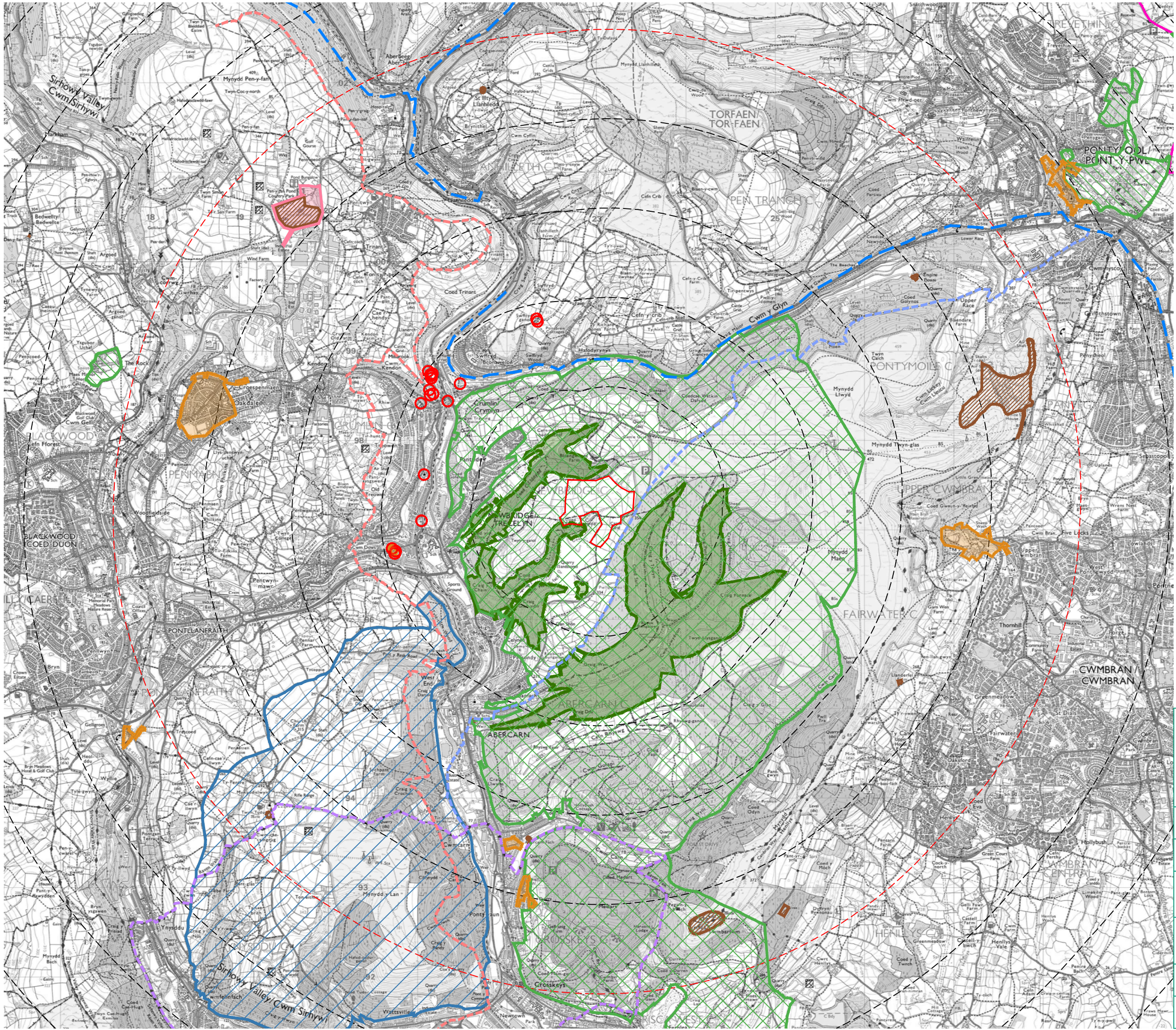
 <p>Galpin Landscape Architecture</p> <p>info@galpinlandscape.co.uk www.galpinlandscape.co.uk</p>		
Client Cenin		
Project Cil-Lonydd Solar Farm		
Location Abercarn, South Wales		
Drawing Baseline Site Photographs (3/3)		
Scale -	Date 15.04.24	Drawn By PM
Drawing Number Figure 5.19	Revision Rev0	Checked by SG



**Figure 5.20**  
Landscape Designations







REVISIONS			
0	Revision	Date	By

- KEY**
- Landscape & Heritage Designations**
- Special Landscape Areas (SLA)
  - Visually Important Local Landscape (VILL)
  - Conservation Areas
  - Scheduled Ancient Monuments (SAM)
  - Listed Buildings (within 2km)
  - Country Parks
  - Historic Parks & Gardens
  - Ancient Woodlands
- National Cycle Routes**
- National Cycle Network (NCN)
- Long-Distance Routes**
- Raven Walk
  - Ebbw Valley Walk
  - Taith Torfaen Anytime Challenge
- Proposed Development**
- 1km Radii from Site
  - 5km Radii from Site
  - Site Boundary

 **Galpin Landscape Architecture**

[info@galpinlandscape.co.uk](mailto:info@galpinlandscape.co.uk)  
[www.galpinlandscape.co.uk](http://www.galpinlandscape.co.uk)

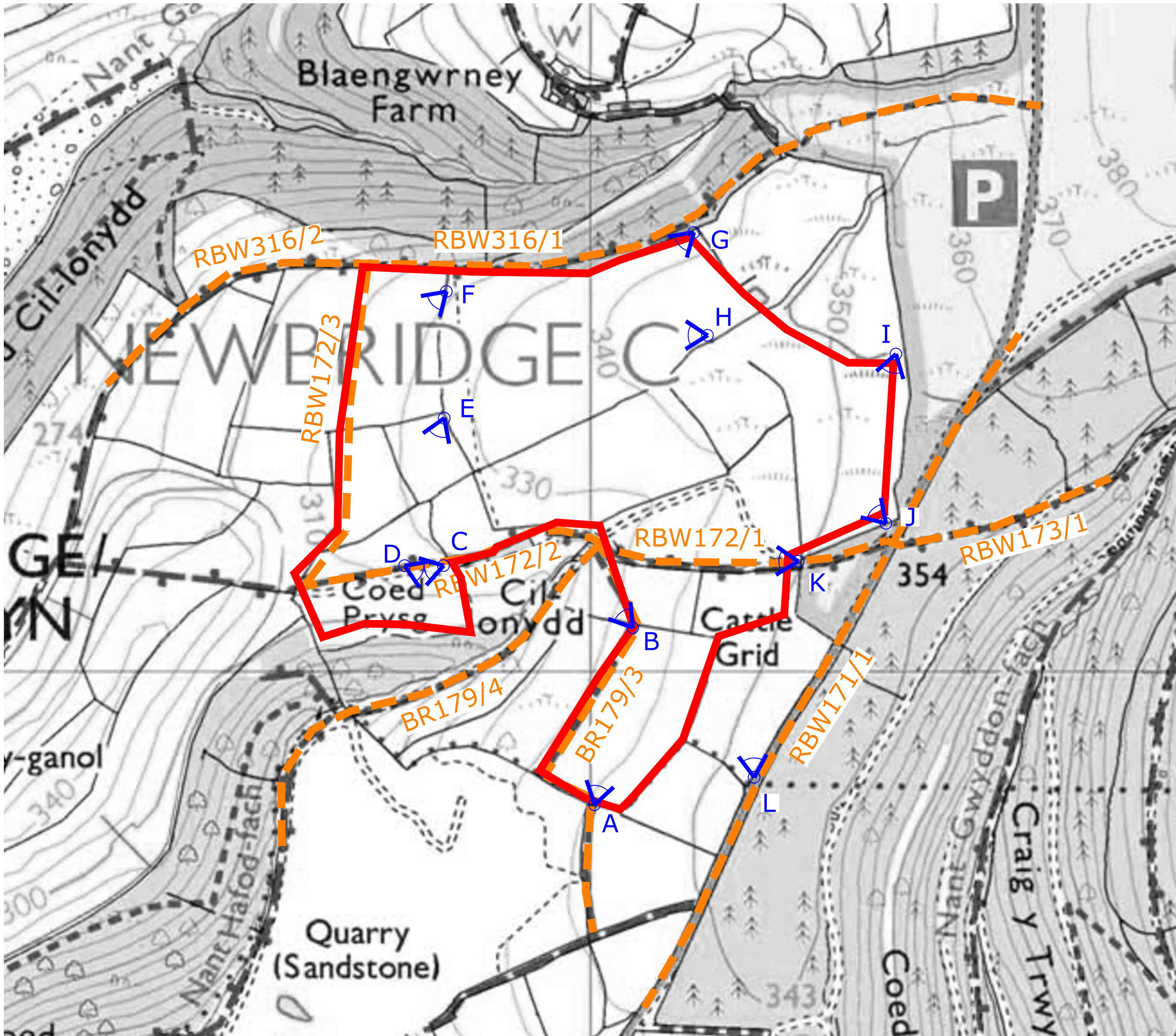
Client Cenin		
Project Cil-Lonydd Solar Farm		
Location Abercarn, South Wales		
Drawing Landscape Designations		
Scale As Shown	Date 15.04.24	Drawn By PM
Drawing Number Figure 5.20	Revision Rev0	Checked by SG





**Figure 5.21**  
Baseline Viewpoint Locations





REVISIONS

0	Revision	Date	By

- KEY
- Public Rights of Way**  
 Public Rights of Way
  - Proposed Development**  
 Site Boundary  
 Site Baseline Viewpoint Location

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 info@galpinlandscape.co.uk  
 www.galpinlandscape.co.uk

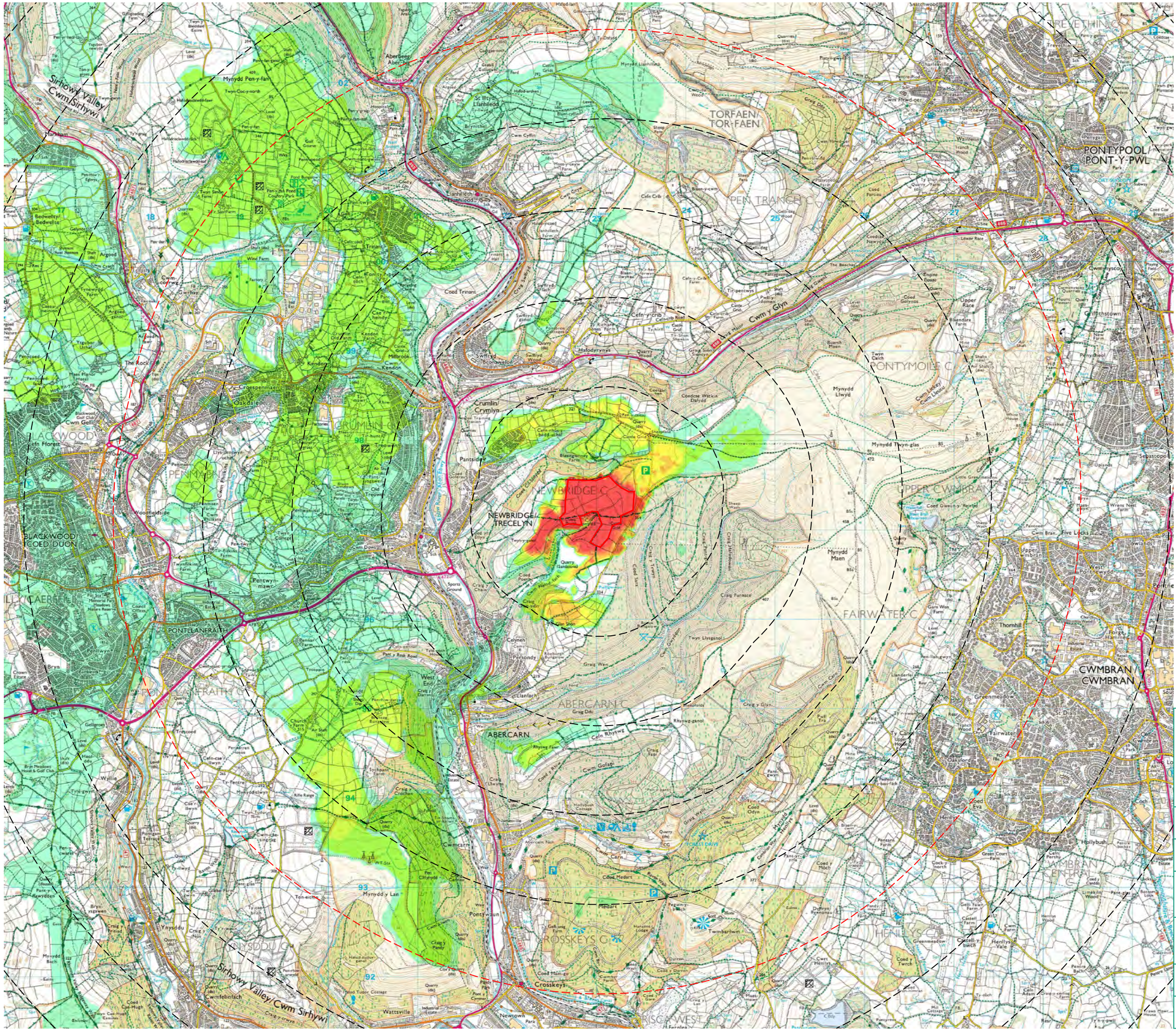
Client Cenin		
Project Cil-Lonydd Solar Farm		
Location Abercarn, South Wales		
Drawing Baseline Viewpoint Locations		
Scale As Shown	Date 15.04.24	Drawn By PM
Drawing Number Figure 5.21	Revision Rev0	Checked by SG





**Figure 5.22**  
ZTV (5 km)





**REVISIONS**

0	Revision	Date	By
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**KEY**

- Zone of Theoretical Visibility (ZTV)**
- Greater than 3 degrees visible vertical angle (typical high degree of change)
  - Between 2 and 3 degrees visible vertical angle (typical medium degree of change)
  - Between 1.5 and 2 degrees visible vertical angle (typical medium degree of change)
  - Between 1 and 1.5 degrees visible vertical angle (typical medium degree of change)
  - Between 0.75 and 1 degrees visible vertical angle (typical low degree of change)
  - Between 0.5 and 0.75 degrees visible vertical angle (typical low degree of change)
  - Between 0.25 and 0.5 degrees visible vertical angle (typical low degree of change)
  - < 0.25 degrees visible vertical angle

**Notes:**  
 ZTV of the proposed solar array is calculated using a composite Digital Model. A 2m LiDAR DSM in the vicinity of the proposed site (with additional local screening effects of woodland applied at a height of 10m) and a bare-earth Terrain 5 and Terrain 50 DTM for the wider area.

**Proposed Development**

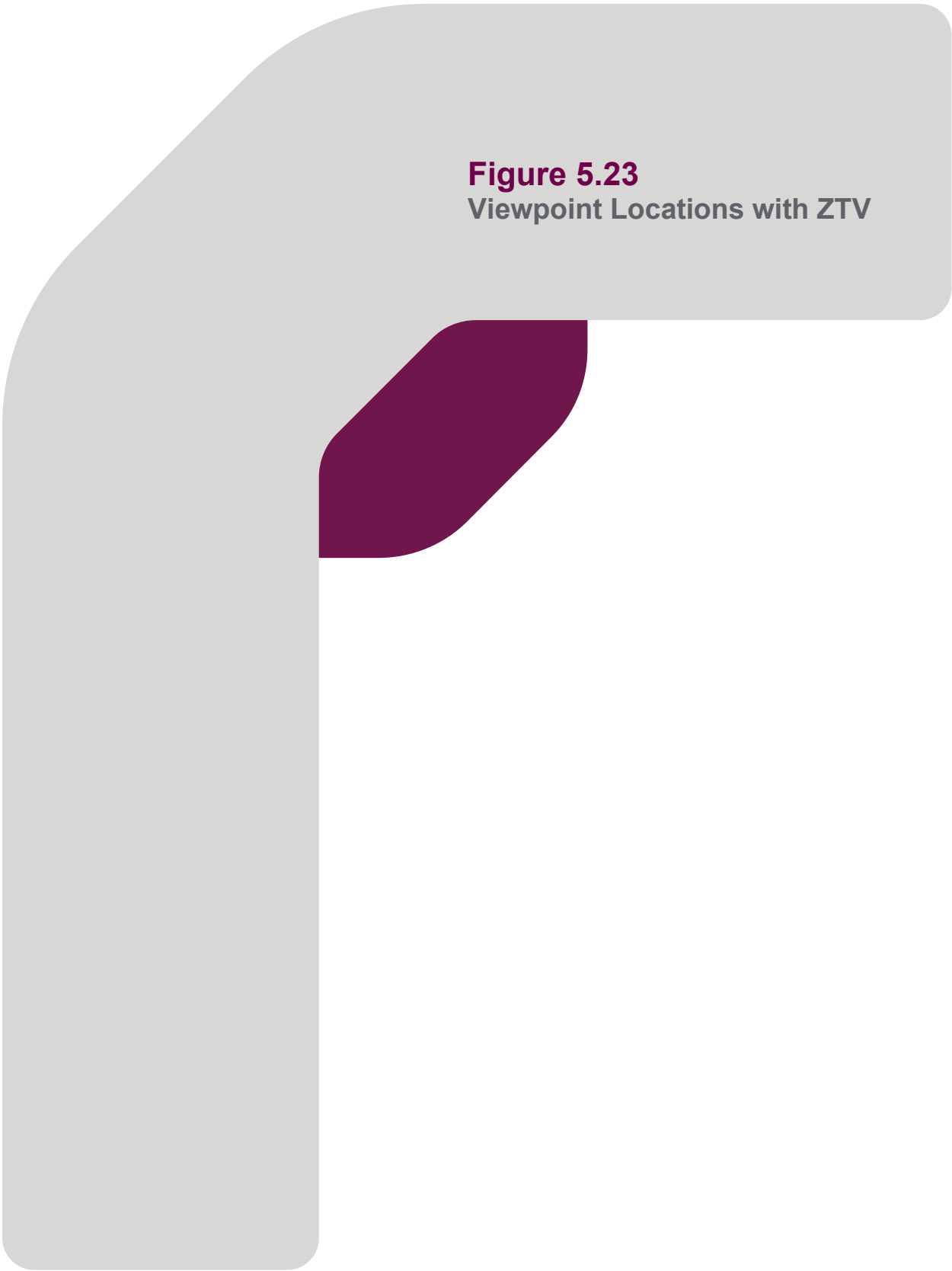
- 1km Radii from Site
- 5km Radii from Site
- Site Boundary

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 info@galpinlandscape.co.uk  
 www.galpinlandscape.co.uk

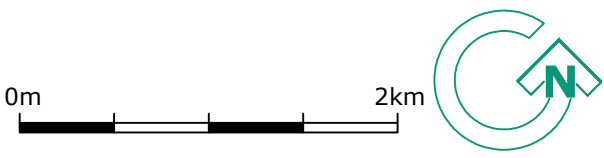
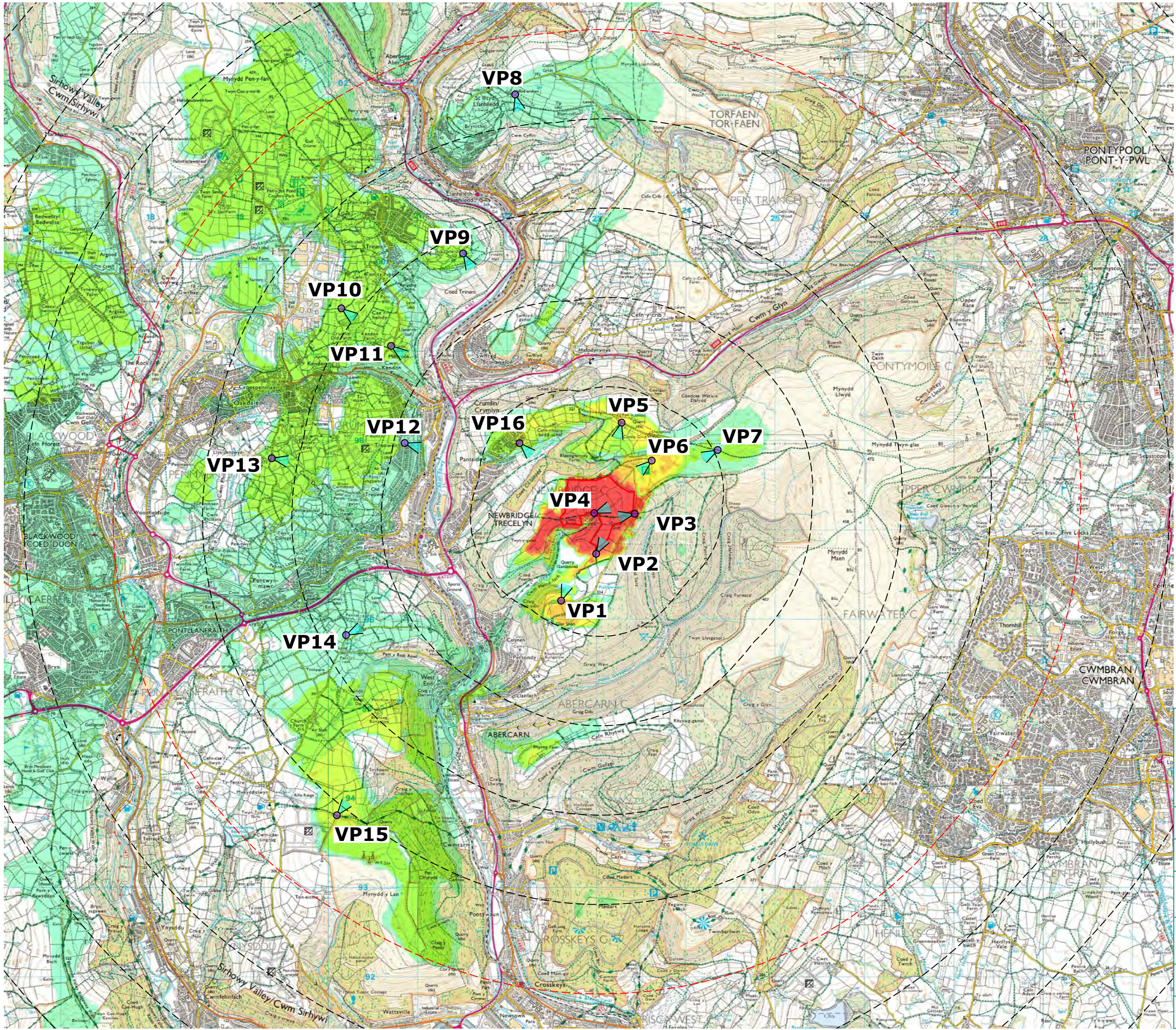
Client Cenin		
Project Cil-Lonydd Solar Farm		
Location Abercarn, South Wales		
Drawing ZTV (5km)		
Scale As Shown	Date 15.04.24	Drawn By PM
Drawing Number Figure 5.22	Revision Rev0	Checked by SG



**Figure 5.23**  
Viewpoint Locations with ZTV







**REVISIONS**

0	Revision	Date	By
---	----------	------	----

- KEY**
- Zone of Theoretical Visibility (ZTV)**
- Greater than 3 degrees visible vertical angle (typical high degree of change)
  - Between 2 and 3 degrees visible vertical angle (typical medium degree of change)
  - Between 1.5 and 2 degrees visible vertical angle (typical medium degree of change)
  - Between 1 and 1.5 degrees visible vertical angle (typical medium degree of change)
  - Between 0.75 and 1 degrees visible vertical angle (typical low degree of change)
  - Between 0.5 and 0.75 degrees visible vertical angle (typical low degree of change)
  - Between 0.25 and 0.5 degrees visible vertical angle (typical low degree of change)
  - < 0.25 degrees visible vertical angle

- Proposed Development**
- 1km Radii from Site
  - 5km Radii from Site
  - Site Boundary
  - ▶ Proposed Viewpoint Location

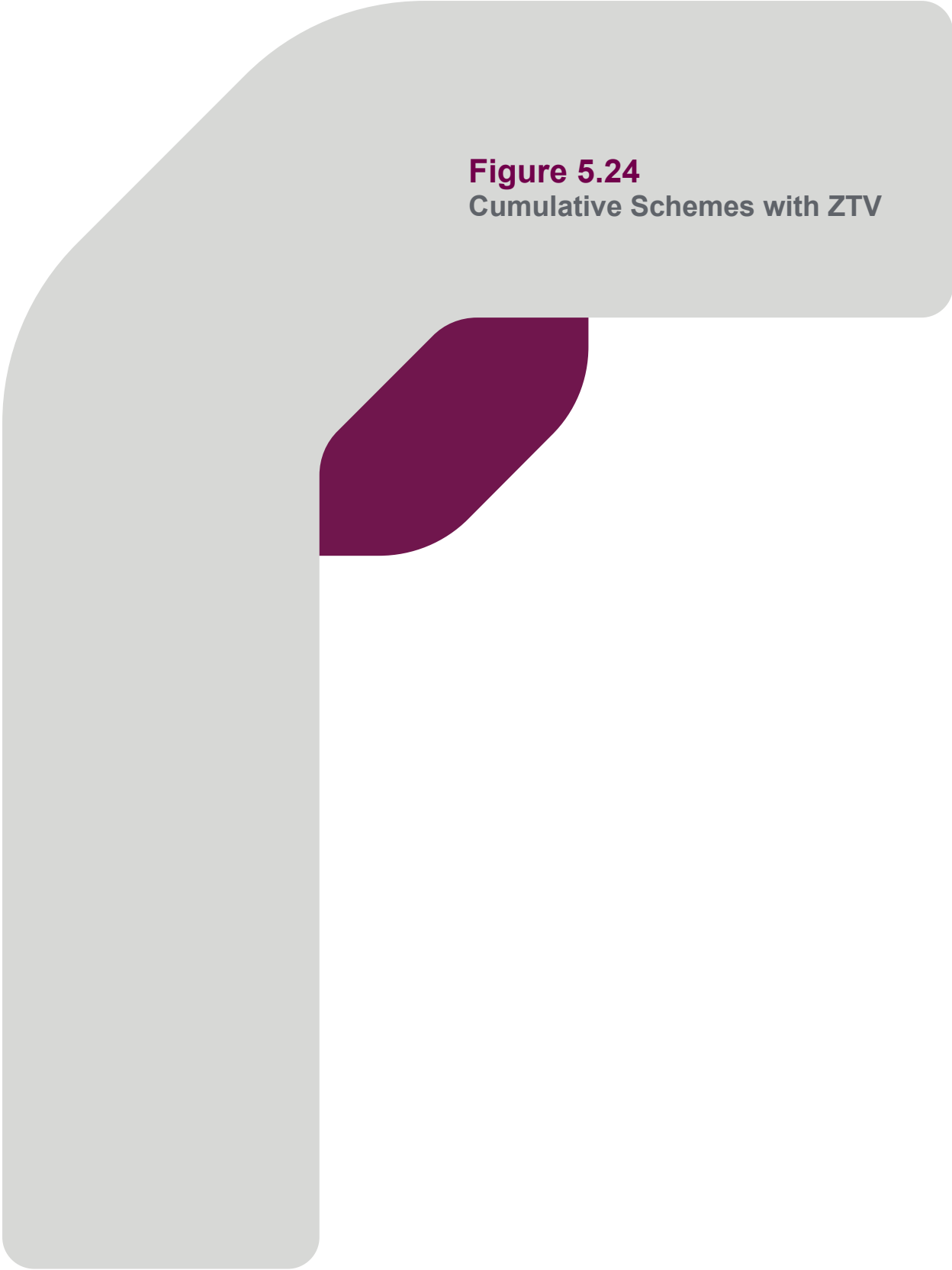
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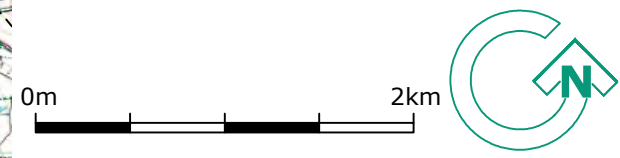
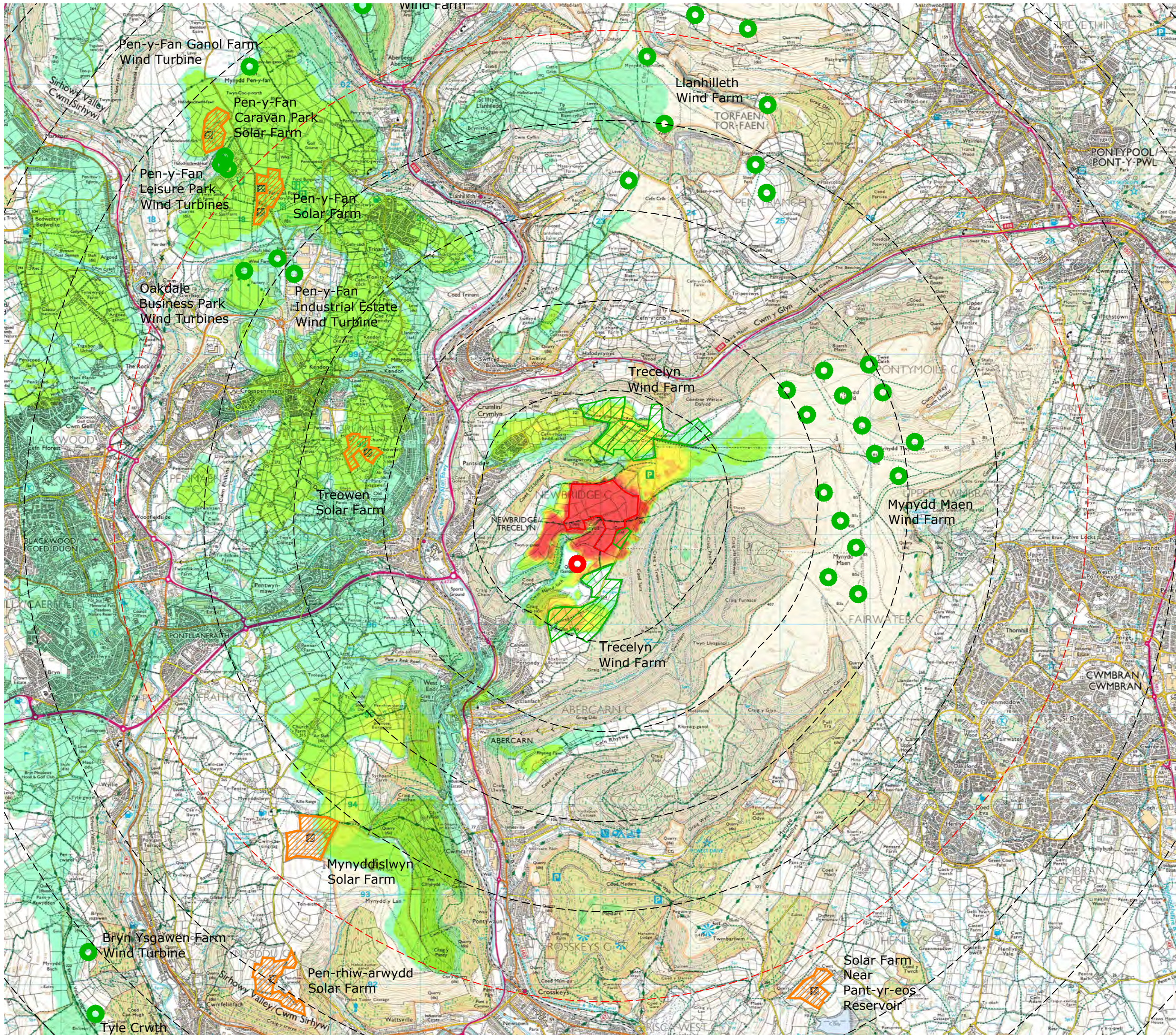
Client Cenin		
Project Cil-Lonydd Solar Farm		
Location Abercarn, South Wales		
Drawing Viewpoint Locations with ZTV		
Scale As Shown	Date 15.04.24	Drawn By PM
Drawing Number Figure 5.23	Revision Rev0	Checked by SG



**Figure 5.24**  
Cumulative Schemes with ZTV







**REVISIONS**

0	Revision	Date	By
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- KEY**
- Zone of Theoretical Visibility (ZTV)**
- Greater than 3 degrees visible vertical angle (typical high degree of change)
  - Between 2 and 3 degrees visible vertical angle (typical medium degree of change)
  - Between 1.5 and 2 degrees visible vertical angle (typical medium degree of change)
  - Between 1 and 1.5 degrees visible vertical angle (typical medium degree of change)
  - Between 0.75 and 1 degrees visible vertical angle (typical low degree of change)
  - Between 0.5 and 0.75 degrees visible vertical angle (typical low degree of change)
  - Between 0.25 and 0.5 degrees visible vertical angle (typical low degree of change)
  - < 0.25 degrees visible vertical angle

- Proposed Development**
- 1km Radii from Site
  - 5km Radii from Site
  - Site Boundary
  - Other Solar Farms
  - Wind Turbines (existing, consented and in planning)
  - Hafod Quarry
  - Trecelyn Wind Farm (locations tbc)

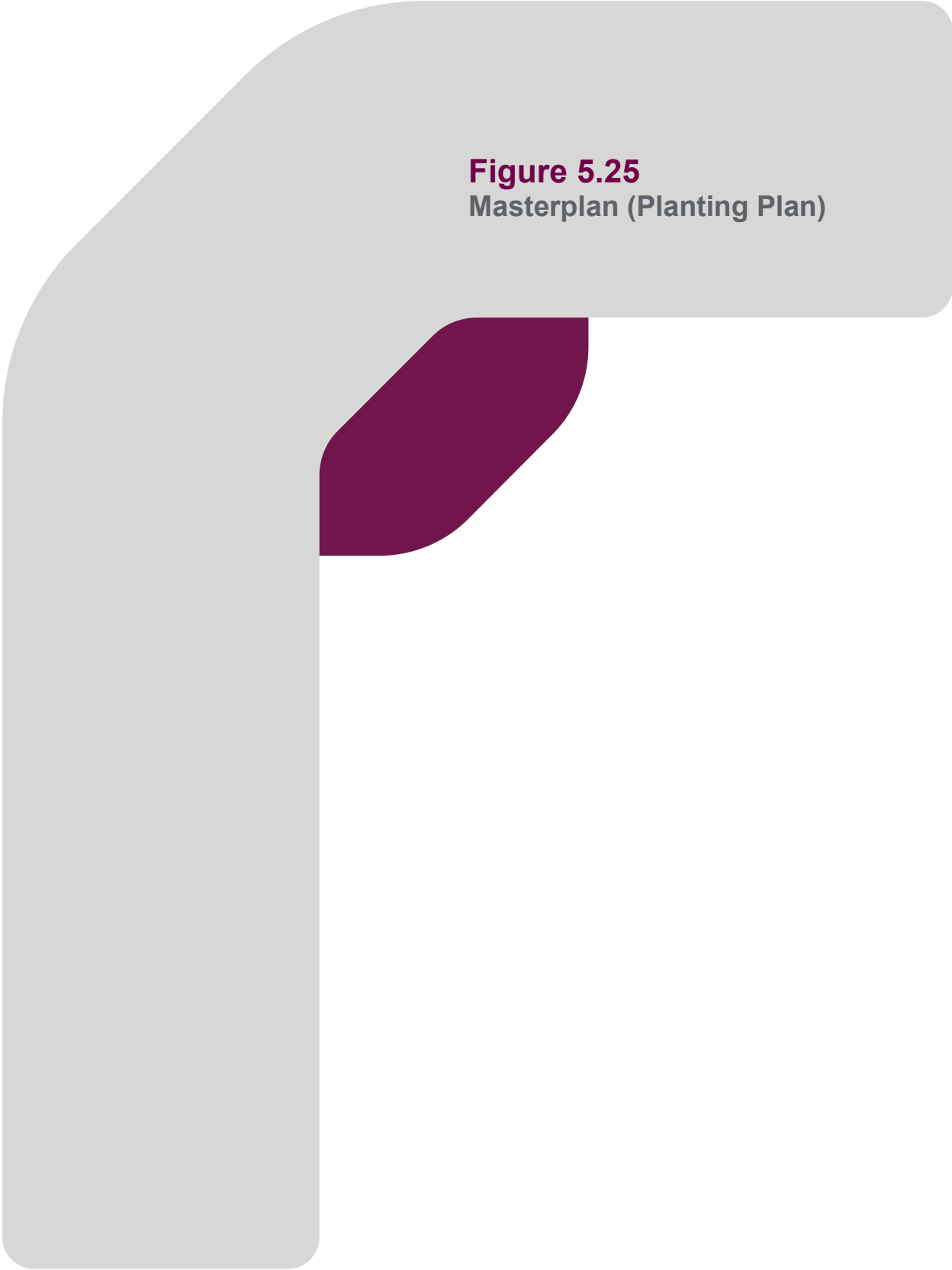
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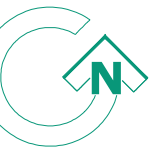
Client Cenin		
Project Cil-Lonydd Solar Farm		
Location Abercarn, South Wales		
Drawing Cumulative Schemes with ZTV		
Scale As Shown	Date 15.04.24	Drawn By PM
Drawing Number Figure 5.24	Revision Rev0	Checked by SG



**Figure 5.25**  
Masterplan (Planting Plan)













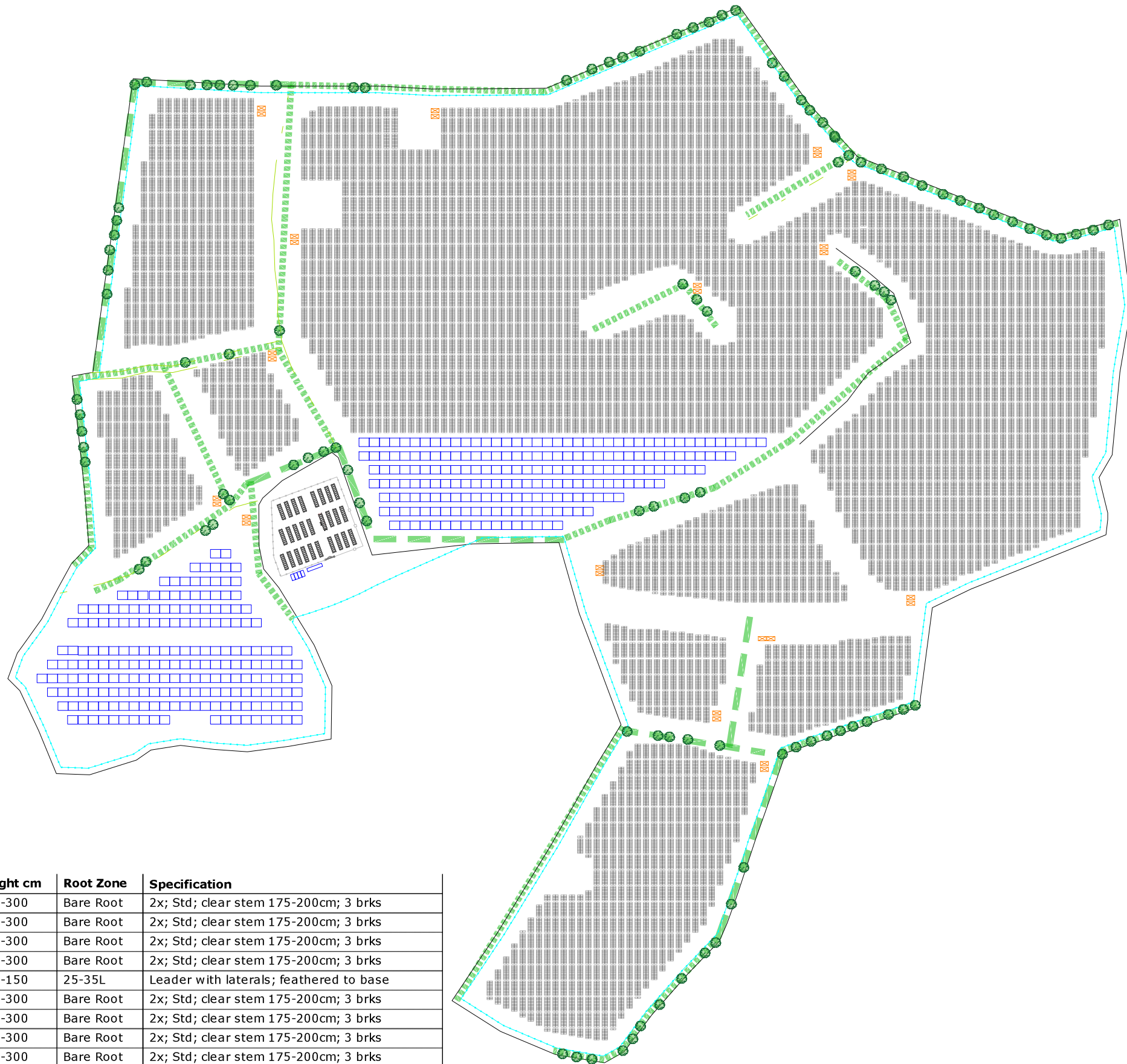
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REVISIONS

0	Revision	Date	By
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KEY

-  Proposed Native Hedgerow
-  Proposed Native Hedgerow (50% mix for gaps)
-  Proposed Native Trees
-  Proposed Solar Panels
-  Proposed Inverters
-  Proposed Fencing



Tree Schedule

Abbrev.	Name	Girth/ Dia. cm	Height cm	Root Zone	Specification
Agl	<i>Alnus glutinosa</i>	8-10	250-300	Bare Root	2x; Std; clear stem 175-200cm; 3 brks
Bpe	<i>Betula pendula</i>	8-10	250-300	Bare Root	2x; Std; clear stem 175-200cm; 3 brks
Bpu	<i>Betula pubescens</i>	8-10	250-300	Bare Root	2x; Std; clear stem 175-200cm; 3 brks
Fs	<i>Fagus sylvatica</i>	8-10	250-300	Bare Root	2x; Std; clear stem 175-200cm; 3 brks
Psyl	<i>Pinus sylvestris</i>		125-150	25-35L	Leader with laterals; feathered to base
Pav	<i>Prunus avium</i>	8-10	250-300	Bare Root	2x; Std; clear stem 175-200cm; 3 brks
Ppa	<i>Prunus padus</i>	8-10	250-300	Bare Root	2x; Std; clear stem 175-200cm; 3 brks
Qpe	<i>Quercus petraea</i>	8-10	250-300	Bare Root	2x; Std; clear stem 175-200cm; 3 brks
Qr	<i>Quercus robur</i>	8-10	250-300	Bare Root	2x; Std; clear stem 175-200cm; 3 brks
Sau	<i>Sorbus aucuparia</i>	8-10	250-300	Bare Root	2x; Std; clear stem 175-200cm; 3 brks
Tc	<i>Tilia cordata</i>	8-10	250-300	Bare Root	2x; Std; clear stem 175-200cm; 3 brks

Hedgerow Mix (Native Mix)

Abbrev.	Name	Height cm	Root Zone	Specification	Mix %	Ctr m
Cav	<i>Corylus avellana</i>	80-100	Bare Root	1+2; Transplant - seed raised; branched; 4 brks	15	0.5
Cmo	<i>Crataegus monogyna</i>	125-150	Bare Root	1+2; Transplant - seed raised	25	0.5
Fs	<i>Fagus sylvatica</i>	100-125	Bare Root	1+2; Transplant - seed raised	10	0.5
Ia	<i>Ilex aquifolium</i>	40-60	3L	Leader with laterals	10	0.5
Psp	<i>Prunus spinosa</i>	80-100	Bare Root	1+2; Transplant - seed raised; branched; 3 brks	20	0.5
Rca	<i>Rosa canina</i>	80-100	Bare Root	1+1; Transplant - seed raised; Provenance UK Area 304	15	0.5
Sn	<i>Sambucus nigra</i>	80-100	Bare Root	1+1; Transplant - seed raised; branched; 3 brks	5	0.5

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Project	Cil-Lonydd Solar Farm	
Location	Abercarn, South Wales	
Drawing	Masterplan (Planting Plan)	
Scale	Date	Drawn By
As Shown	15.04.24	PM
Drawing Number	Revision	Checked by
Figure 5.25	Rev0	SG



**Figure 5.26**  
Tree Constraints














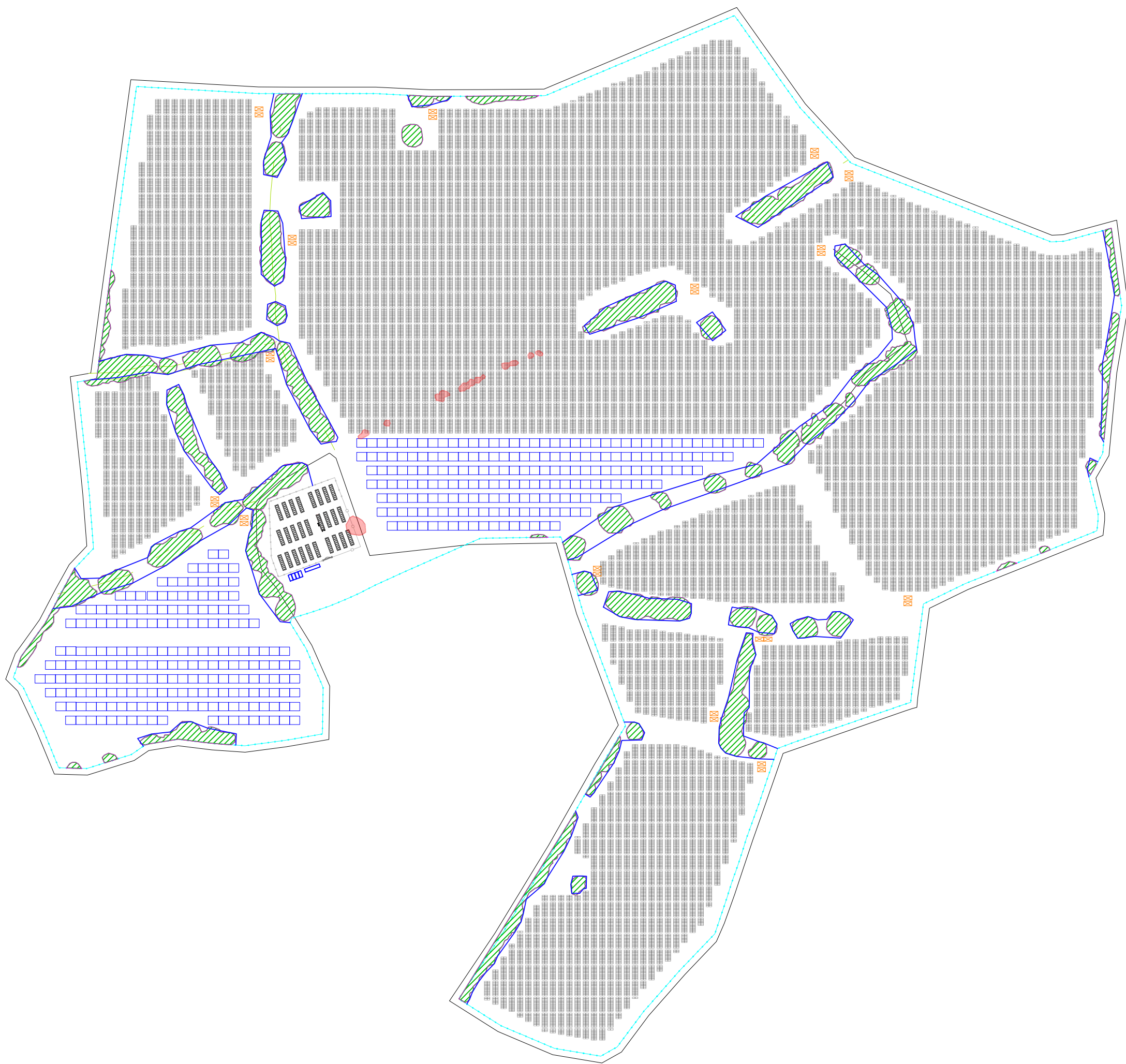
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REVISIONS

0	Revision	Date	By
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KEY

-  Existing Tree Cover
-  Root Protection Areas
-  Existing Trees to be Cleared
-  Tree Protection Fencing to BS5837:2012
-  Proposed Solar Panels
-  Proposed Inverters
-  Proposed Fencing



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Project  
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Location  
Abercarn, South Wales

Drawing  
Tree Constraints

Scale As Shown	Date 15.04.24	Drawn By PM
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Drawing Number Figure 5.26	Revision Rev0	Checked by SG
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**Figure 6.1**  
Non Statutory Designated Sites





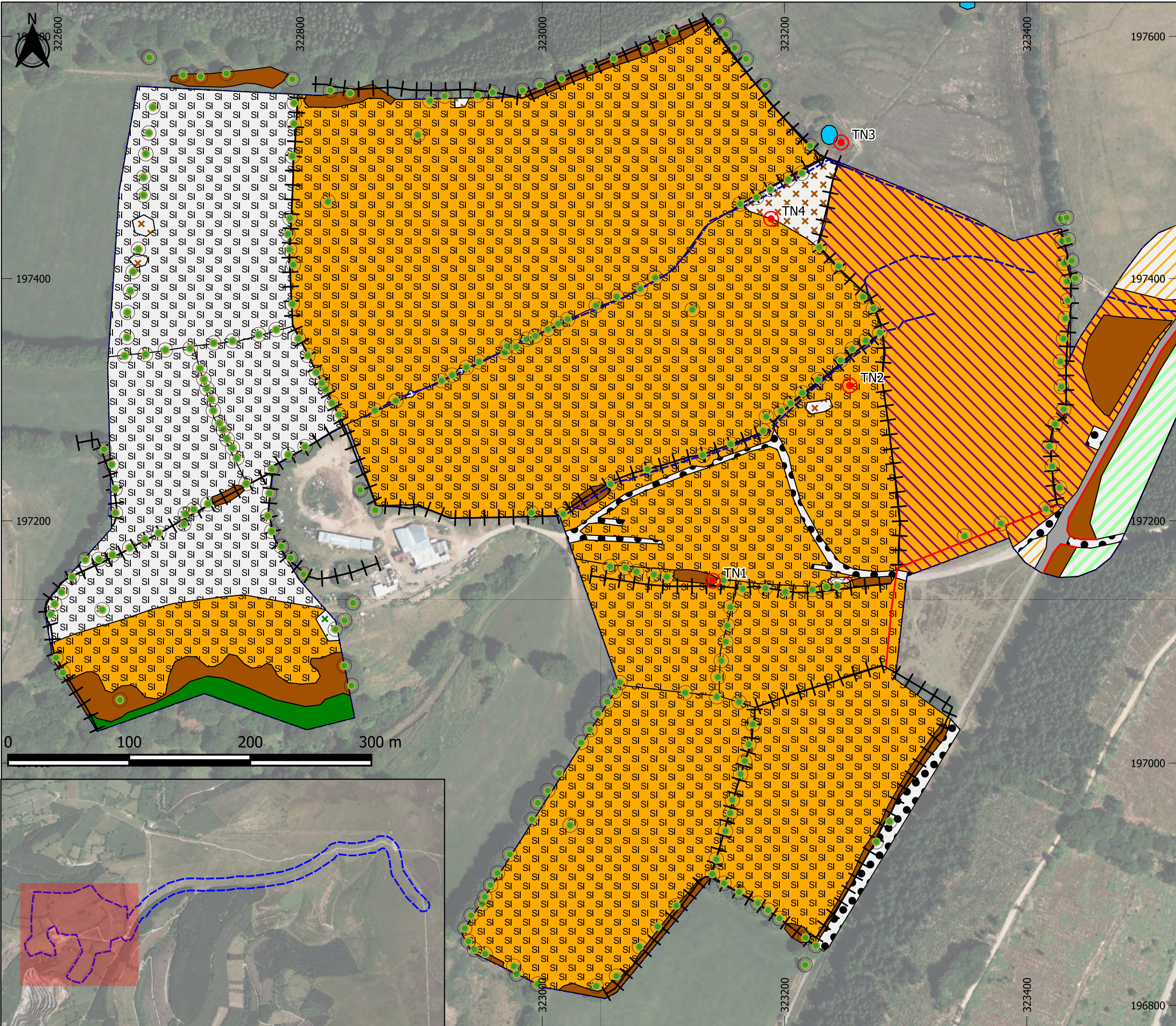




The figure area is mostly obscured by a large, light gray rounded rectangle. A small, dark purple, irregularly shaped area is visible, protruding from the right side of the gray shape. The text 'Figure 6.2 Phase 1 Survey' is positioned in the upper right portion of the gray area.

**Figure 6.2**  
Phase 1 Survey





- Legend
- Target note
  - Existing Medium Rural Tree
  - Existing Small Rural Tree
  - ⊥ Fence
  - Wall
  - - - Dry ditch
  - Broadleaved woodland - semi-natural
  - ▨ Coniferous woodland - plantation
  - ⊠ Scrub - scattered
  - ▨ Acid grassland - unimproved
  - ▨ Neutral grassland - semi-improved
  - ▨ Marsh/marshy grassland
  - ▨ Poor semi-improved grassland
  - Bracken - continuous
  - ⊠ Bracken - scattered
  - Standing water
  - ⊠ Spoil
  - Built up areas inc. hardstanding
  - Bare ground

Note Label	Feature
TN1	Hardstanding
TN2	Dry ditch
TN3	Standing water
TN4	Building

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PROJECT TITLE  
 CIL-LONYDD SOLAR FARM

DRAWING TITLE  
 Figure 6.2a: Phase 1 Survey

DATE: 26/07/2023      CHECKED: RS      SCALE: 1:3,000  
 DRAWN: KR      APPROVED: RS      VERSION: 1.0

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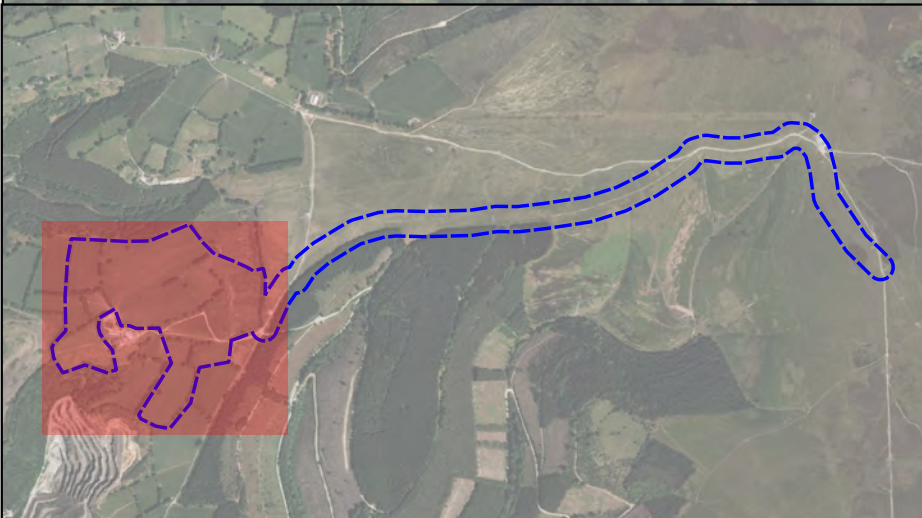
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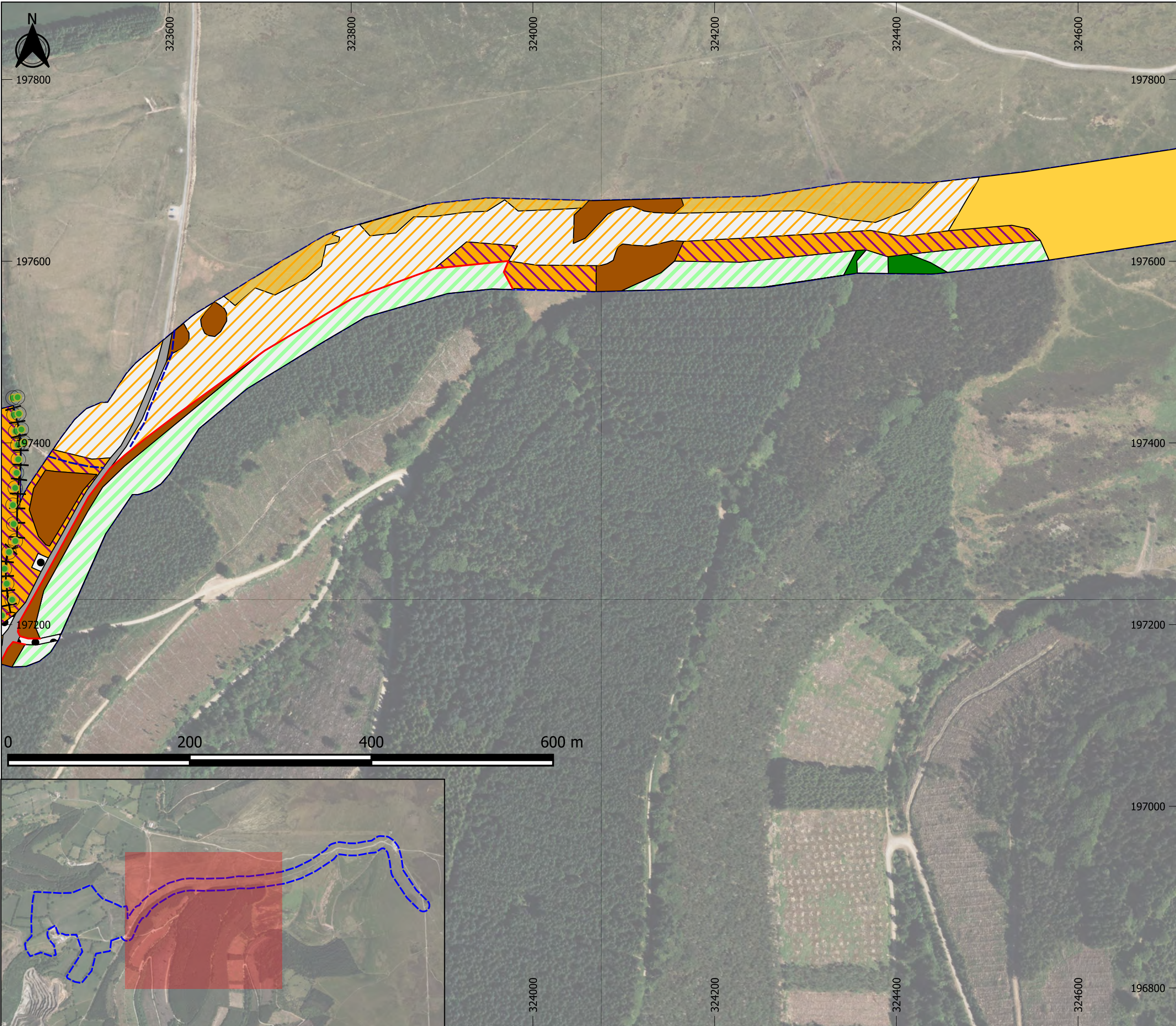
Projection: OSGB 1936/British National Grid - EPSG 27700

Sources: BSG Ecology survey data



Graphics Ref. No.: 04066





- Legend
- Existing Medium Rural Tree
  - Fence
  - Wall
  - Dry ditch
  - Broadleaved woodland - semi-natural
  - Coniferous woodland - plantation
  - Acid grassland - unimproved
  - Marsh/marshy grassland
  - Bracken - continuous
  - Dry dwarf shrub heath - acid
  - Dry heath/acid grassland
  - Built up areas inc. hardstanding
  - Bare ground

Note	Label	Feature
------	-------	---------



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PROJECT TITLE  
 CIL-LONYDD SOLAR FARM

DRAWING TITLE  
 Figure 6.2b: Phase 1 Survey

DATE: 26/07/2023      CHECKED: RS      SCALE: 1:4,000  
 DRAWN: KR      APPROVED: RS      VERSION:1.0

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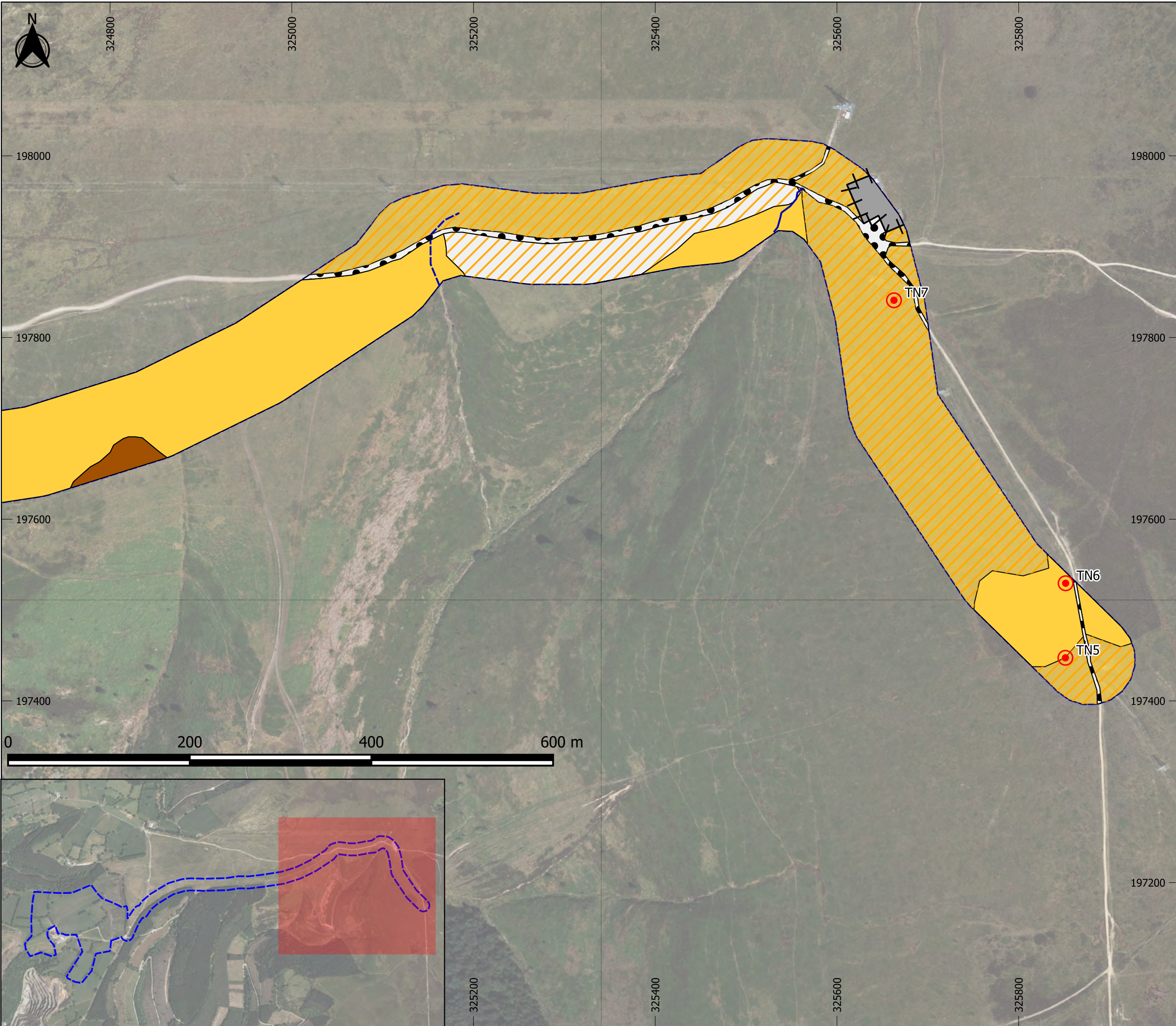
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Sources: BSG Ecology survey data

Graphics Ref. No.: 04066





- Legend
- Target note
  - Fence
  - Dry ditch
  - Running water
  - Acid grassland - unimproved
  - Bracken - continuous
  - Dry dwarf shrub heath - acid
  - Dry heath/acid grassland
  - Built up areas inc. hardstanding
  - Bare ground

Note Label	Feature
TN5	Acid Flush
TN6	Ephemeral Pools
TN7	Ephemeral Pools

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DRAWING TITLE  
 Figure 6.2b: Phase 1 Survey

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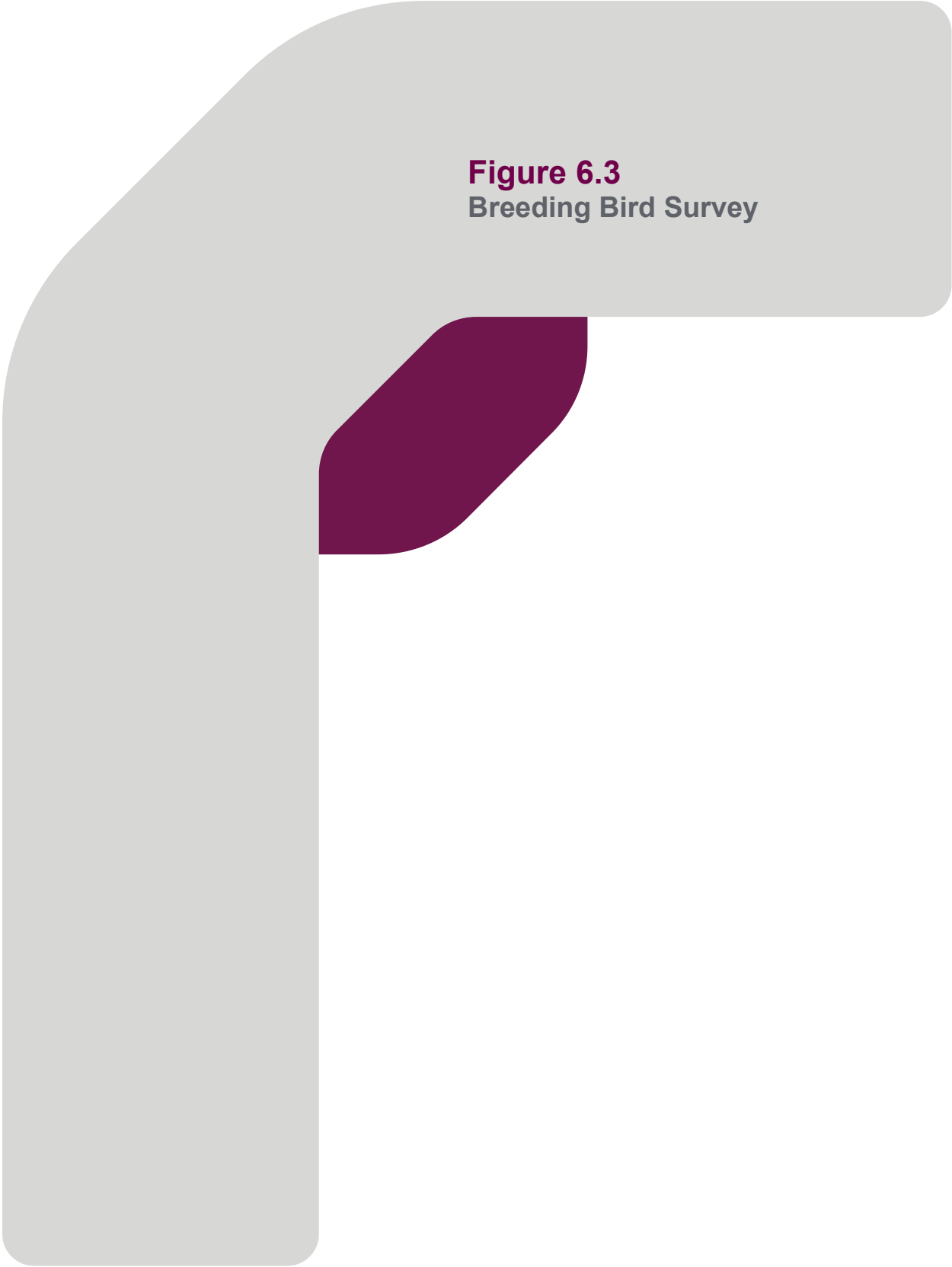
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Sources: BSG Ecology survey data

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**Figure 6.3**  
Breeding Bird Survey



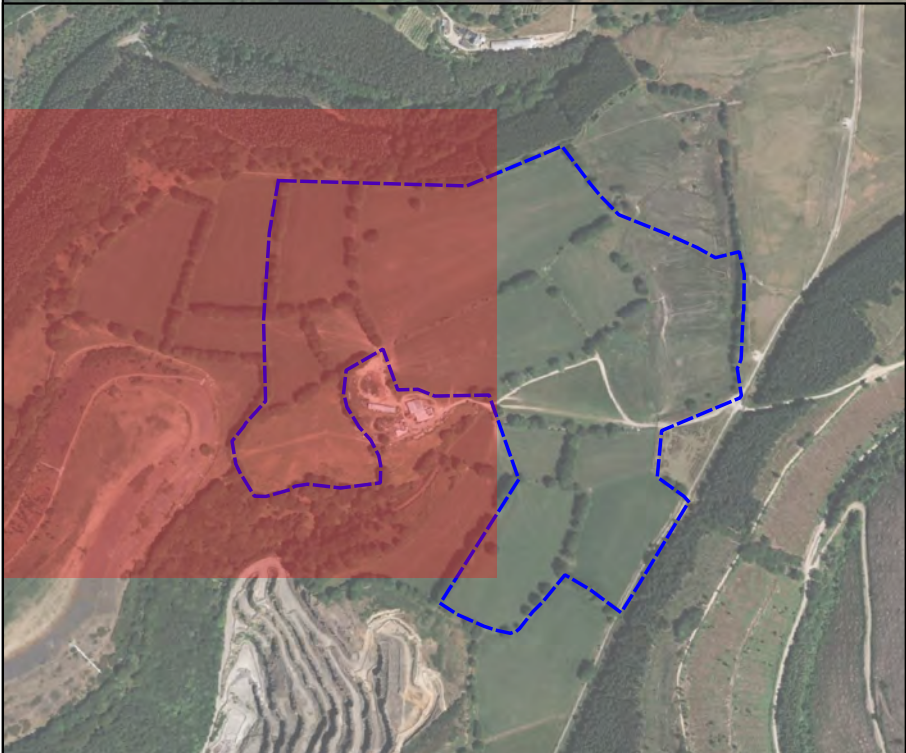
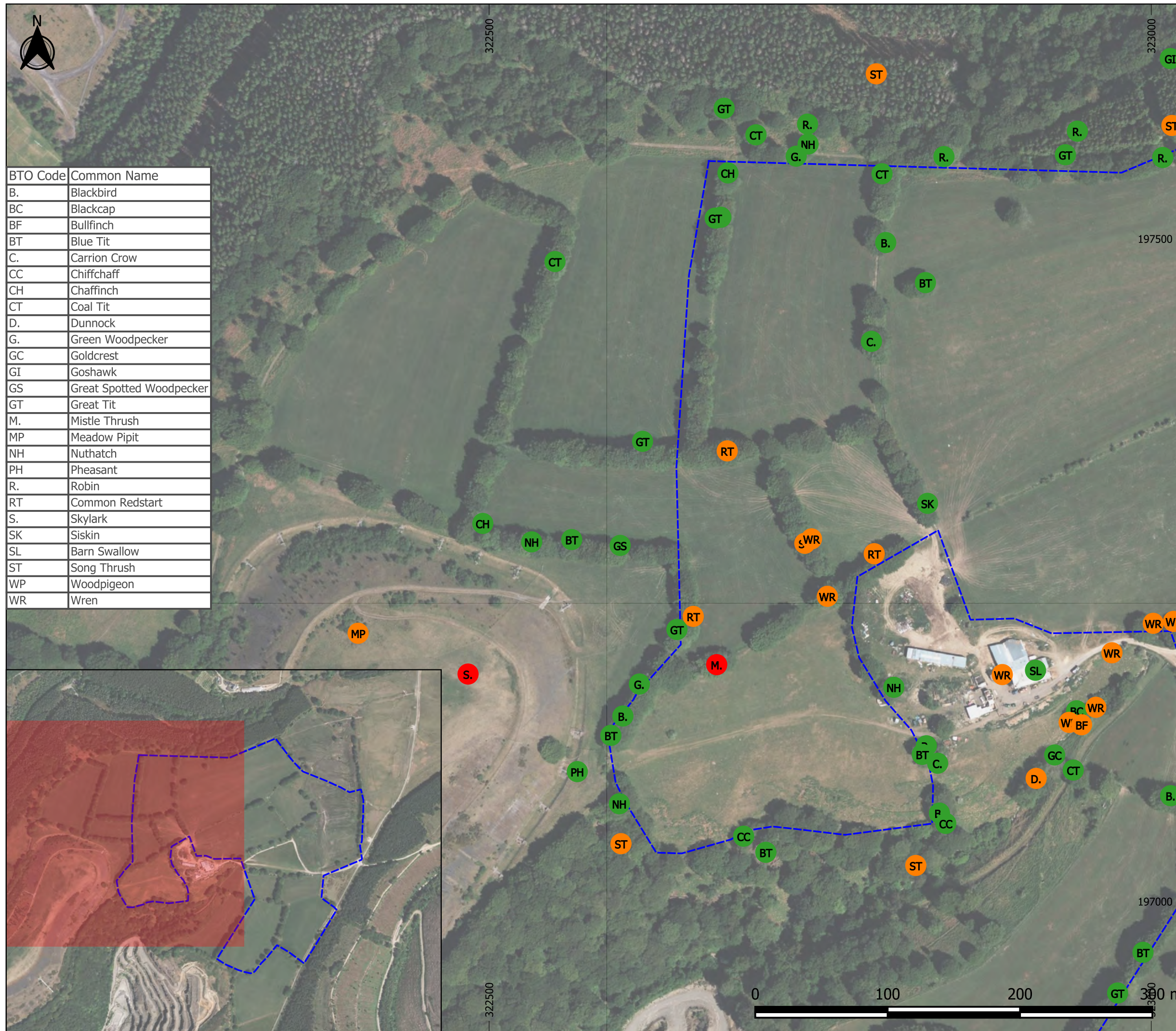




BTO Code	Common Name
B.	Blackbird
BC	Blackcap
BF	Bullfinch
BT	Blue Tit
C.	Carrion Crow
CC	Chiffchaff
CH	Chaffinch
CT	Coal Tit
D.	Dunnock
G.	Green Woodpecker
GC	Goldcrest
GI	Goshawk
GS	Great Spotted Woodpecker
GT	Great Tit
M.	Mistle Thrush
MP	Meadow Pipit
NH	Nuthatch
PH	Pheasant
R.	Robin
RT	Common Redstart
S.	Skylark
SK	Siskin
SL	Barn Swallow
ST	Song Thrush
WP	Woodpigeon
WR	Wren

Legend

- Survey boundary
- Bird Summary - Welsh BOCC status**
- Red
- Amber
- Green



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PROJECT TITLE  
 CIL-LONYDD SOLAR FARM

DRAWING TITLE  
 Figure 6.3a: Breeding Bird Survey

DATE: 16/04/2024      CHECKED: KR      SCALE: 1:2,750  
 DRAWN: JAG      APPROVED: OG      VERSION:1.0

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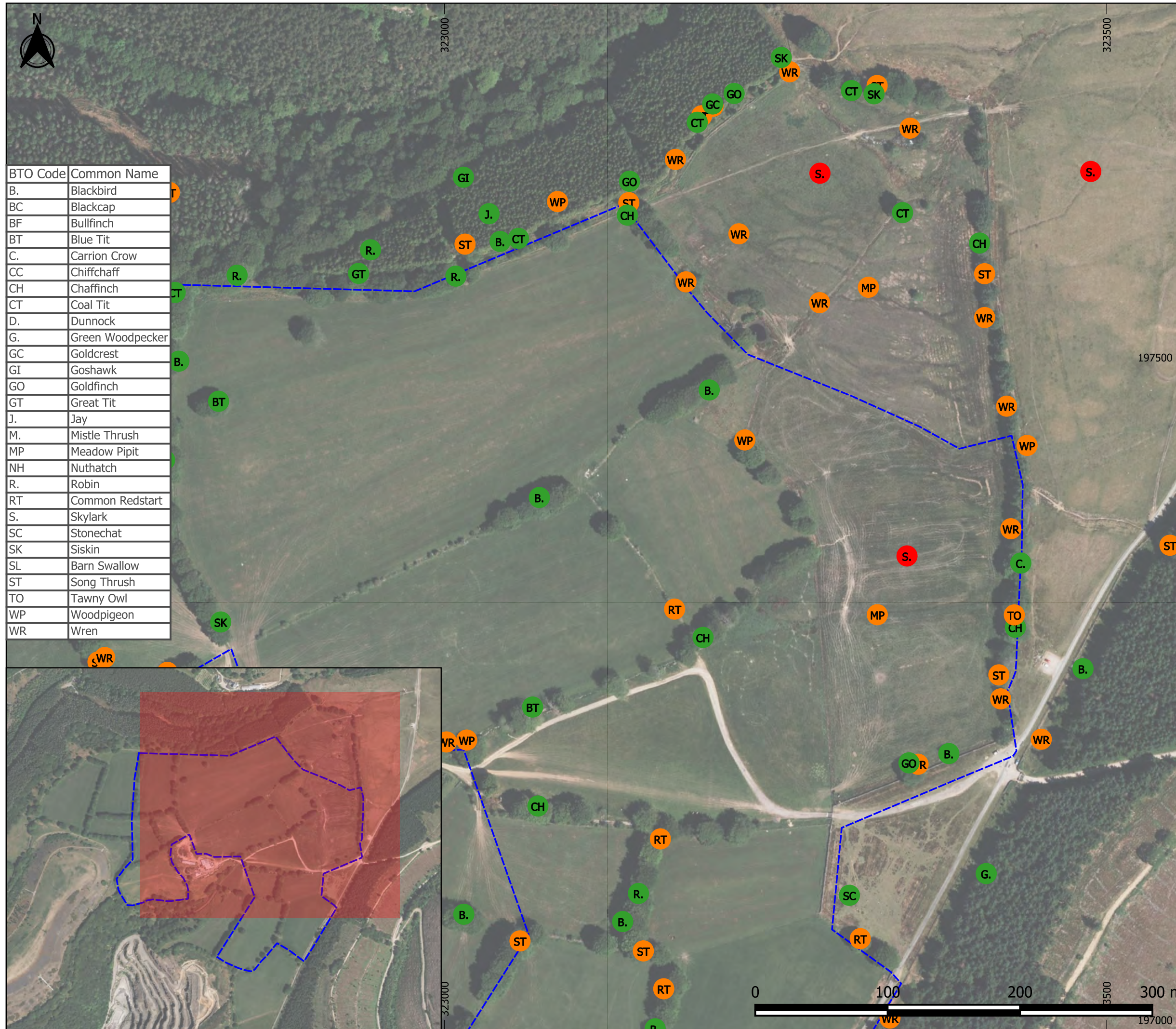
BTO Code	Common Name
B.	Blackbird
BC	Blackcap
BF	Bullfinch
BT	Blue Tit
C.	Carrion Crow
CC	Chiffchaff
CH	Chaffinch
CT	Coal Tit
D.	Dunnock
G.	Green Woodpecker
GC	Goldcrest
GI	Goshawk
GO	Goldfinch
GT	Great Tit
J.	Jay
M.	Mistle Thrush
MP	Meadow Pipit
NH	Nuthatch
R.	Robin
RT	Common Redstart
S.	Skylark
SC	Stonechat
SK	Siskin
SL	Barn Swallow
ST	Song Thrush
TO	Tawny Owl
WP	Woodpigeon
WR	Wren

Legend

Survey boundary

Bird Summary - Welsh BOCC status

- Red
- Amber
- Green



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PROJECT TITLE  
CIL-LONYDD SOLAR FARM

DRAWING TITLE  
Figure 6.3b: Breeding Bird Survey

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DRAWN: JAG	APPROVED: OG	VERSION: 1.0

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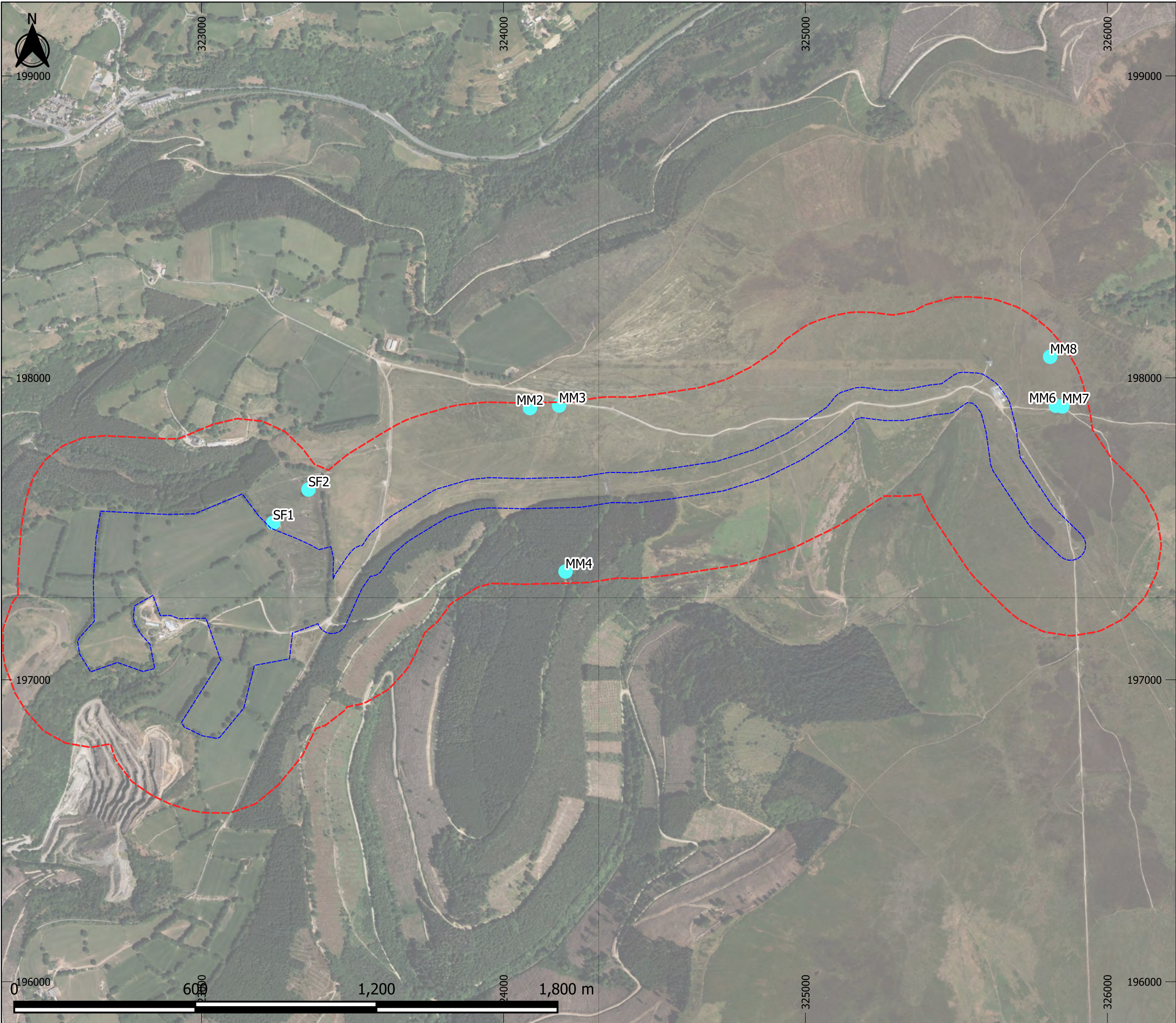




**Figure 6.4**  
Pond Locations







- Legend
- Survey Area
  - 250 m Buffer
  - Pond



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PROJECT TITLE  
 CIL-LONYDD SOLAR FARM

DRAWING TITLE  
 Figure 6.4: Pond Locations

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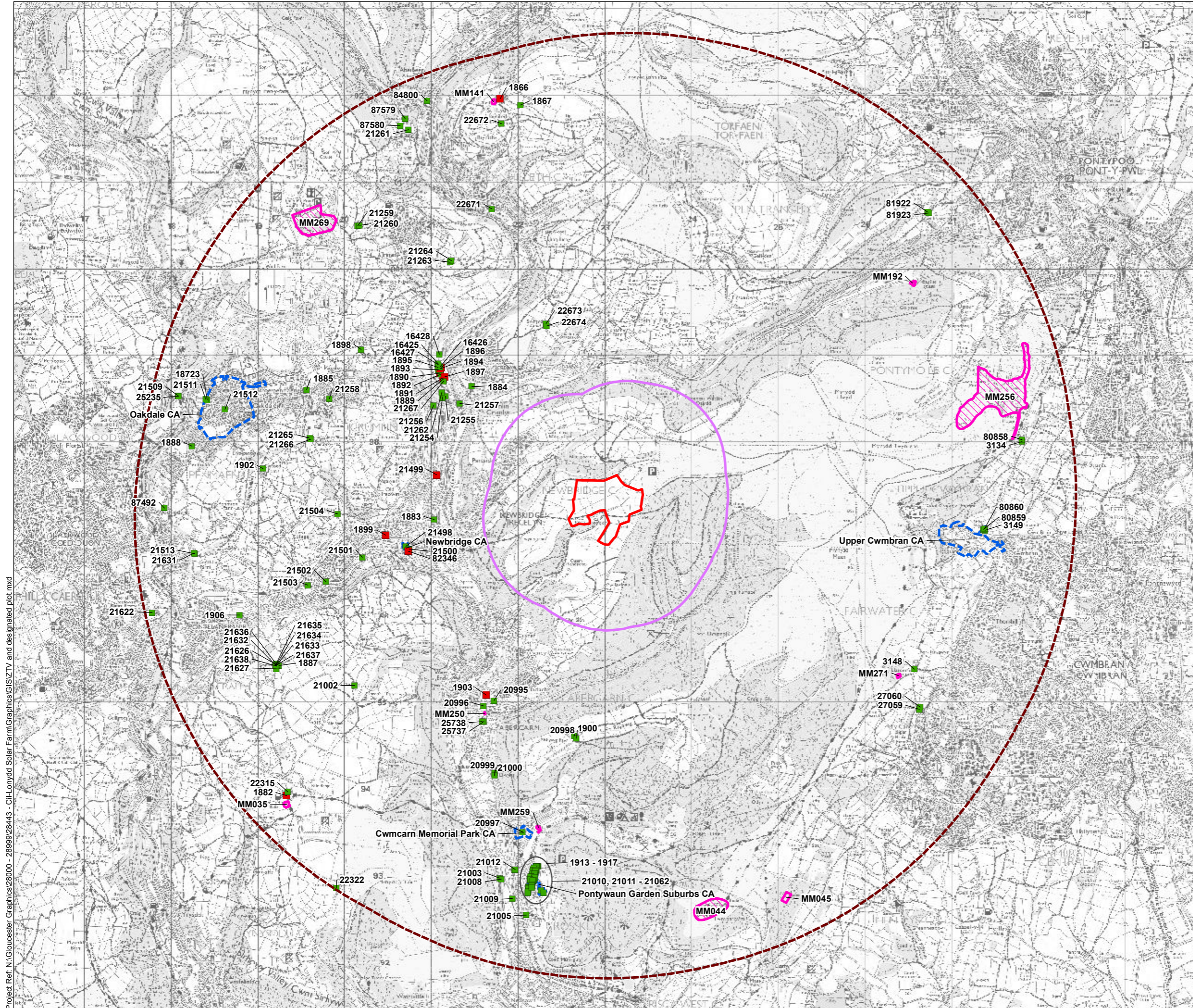
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**Figure 7.1**  
Designated Heritage Assets







- Legend**
- Site Boundary
  - 1km search radius
- Designated Heritage Assets:**
- Listed Buildings**
- Grade**
- II\*
  - II
- Scheduled Monuments
  - Conservation Areas

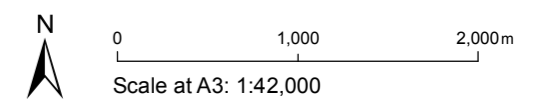


Figure 7.1  
Designated heritage assets within 5km of the study site

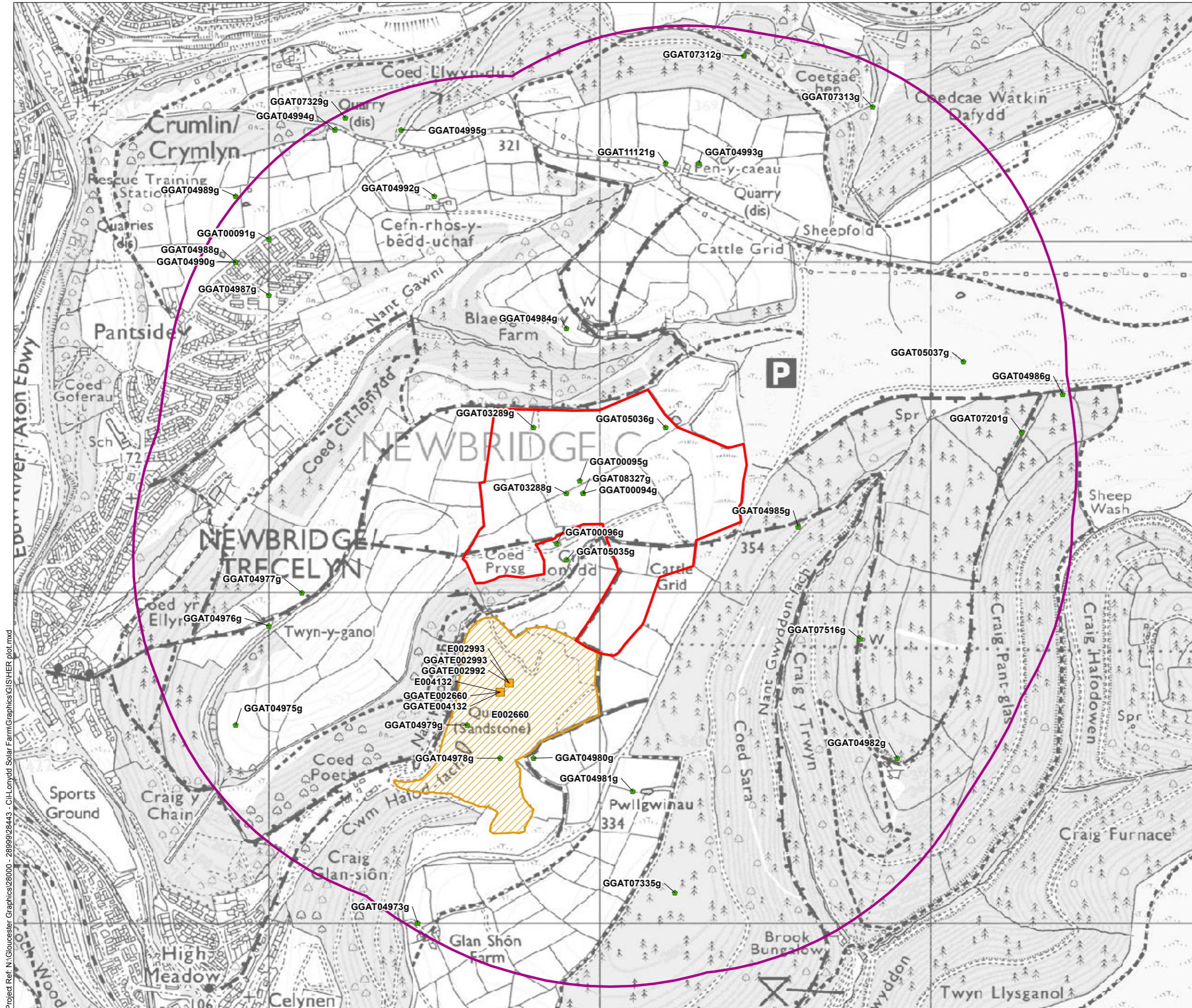
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**Figure 7.2**  
Historic Environment Record Data Plot







**Legend**

- Site Boundary
- 1km search radius

Non-designated Heritage Assets:

- HER Records Points

Previous Archaeological Work:

- HER Events Points
- HER Events Polygons

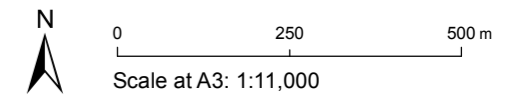


Figure 7.2

Historic Environment Record data plot, 1km radius

Project Ref: N:\Gloucester\_Graphics\28000 - 28999\28443 - CIL\Lowydd Solar Farm\Graphics\GIS\HER plot.mxd







**Figure 7.3**  
Hedgerow as shown on 1839 Title Map





-  Site Boundary
-  Hedgerows as seen on 1839 Tithe Map

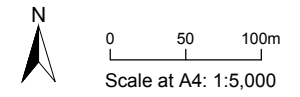


Figure 7.3  
Hedgerows as shown on the 1839 Tithe Map