

Direction of View: bearing from North (0°): 175° Distance to Solar PV Site:

Lens Make, Model and Focal Length:

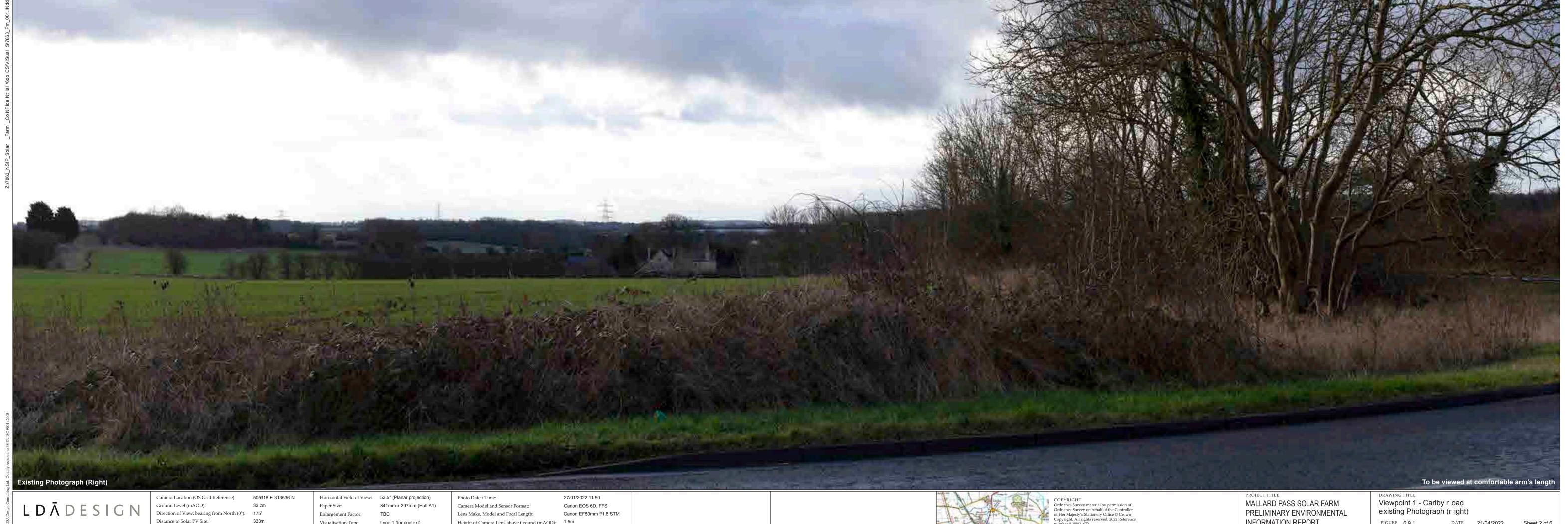
Canon EF50mm f/1.8 STM Height of Camera Lens above Ground (mAOD): 1.5m

MALLARD PASS SOLAR FARM
PRELIMINARY ENVIRONMENTAL
INFORMATION REPORT

FIGURE 6.9.1

Viewpoint 1 - Carlby r oad existing Photograph (I eft)

DATE 21/04/2022



INFORMATION REPORT

FIGURE 6.9.1

DATE 21/04/2022 Sheet 2 of 6

Distance to Solar PV Site:



Direction of View: bearing from North (0°): 175° Distance to Solar PV Site:

Camera Model and Sensor Format: Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD): 1.5m

Canon EF50mm f/1.8 STM

This photomontage is based upon LiDAR digital terrain data with spot heights at 2m (which does not precisely model small scale changes in landform or sharp breaks in slope).

The three dimensional model of the solar farm is based on the proposed layout.



MALLARD PASS SOLAR FARM
PRELIMINARY ENVIRONMENTAL

INFORMATION REPORT

Viewpoint 1 - Carlby r oad Photomontage Year 1 (I eft)

DATE 21/04/2022 Sheet 3 of 6



Distance to Solar PV Site:

Enlargement Factor: Visualisation Type:

Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD): 1.5m

Canon EF50mm f/1.8 STM

proposed layout.

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PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

Photomontage Year 1 (r ight) FIGURE 6.9.1

DATE 21/04/2022 Sheet 4 of 6



Direction of View: bearing from North (0°): 175° Distance to Solar PV Site:

Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD): 1.5m

Canon EF50mm f/1.8 STM

This photomontage is based upon LiDAR digital terrain data with spot heights at 2m (which does not precisely model small scale changes in landform or sharp breaks in slope).

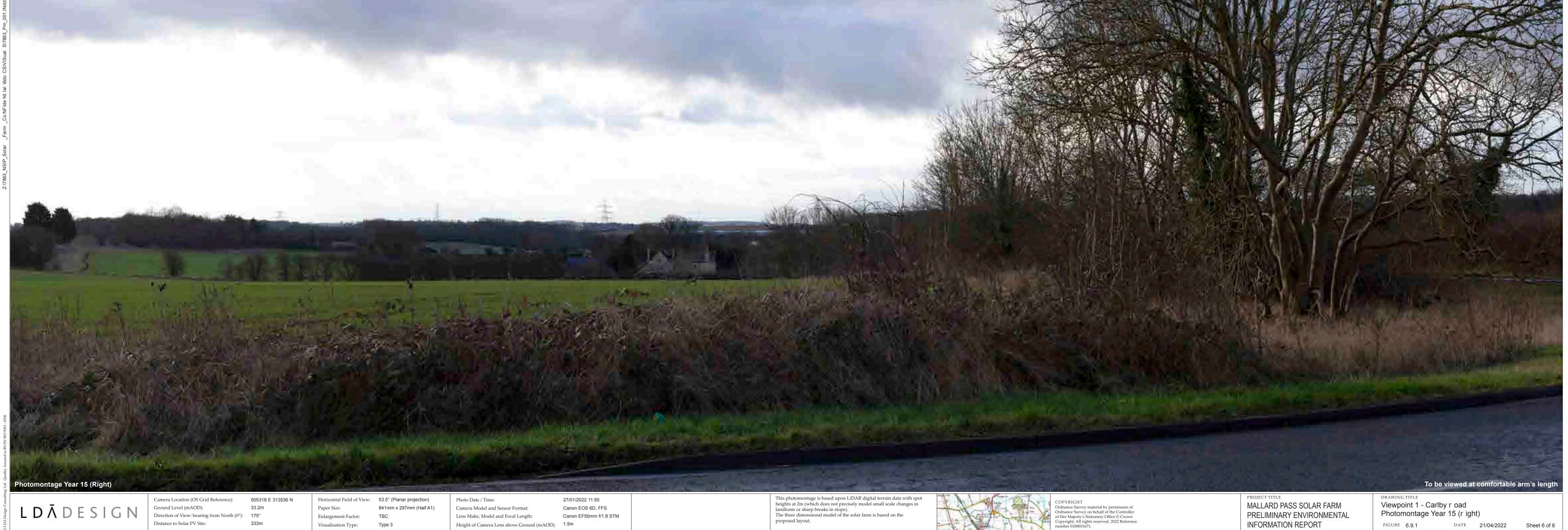
The three dimensional model of the solar farm is based on the proposed layout.

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MALLARD PASS SOLAR FARM
PRELIMINARY ENVIRONMENTAL

Viewpoint 1 - Carlby r oad Photomontage Year 15 (I eft)

DATE 21/04/2022 Sheet 5 of 6



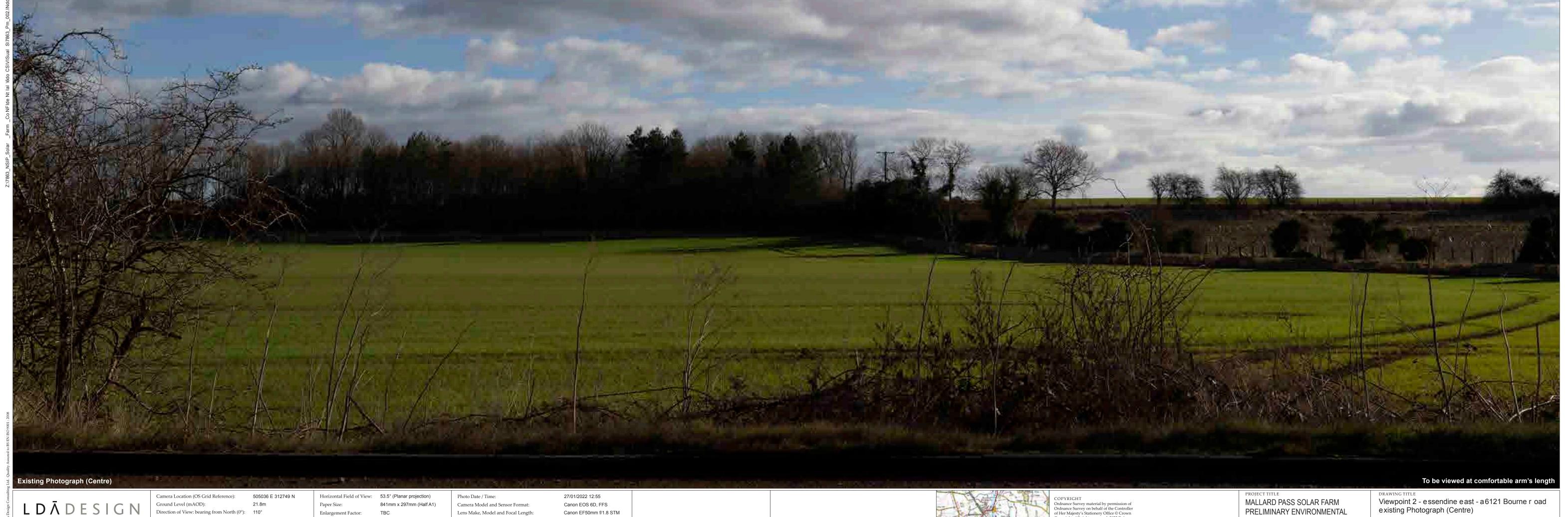
INFORMATION REPORT

FIGURE 6.9.1

DATE 21/04/2022 Sheet 6 of 6

Distance to Solar PV Site:





Distance to Solar PV Site:

Height of Camera Lens above Ground (mAOD): 1.5m

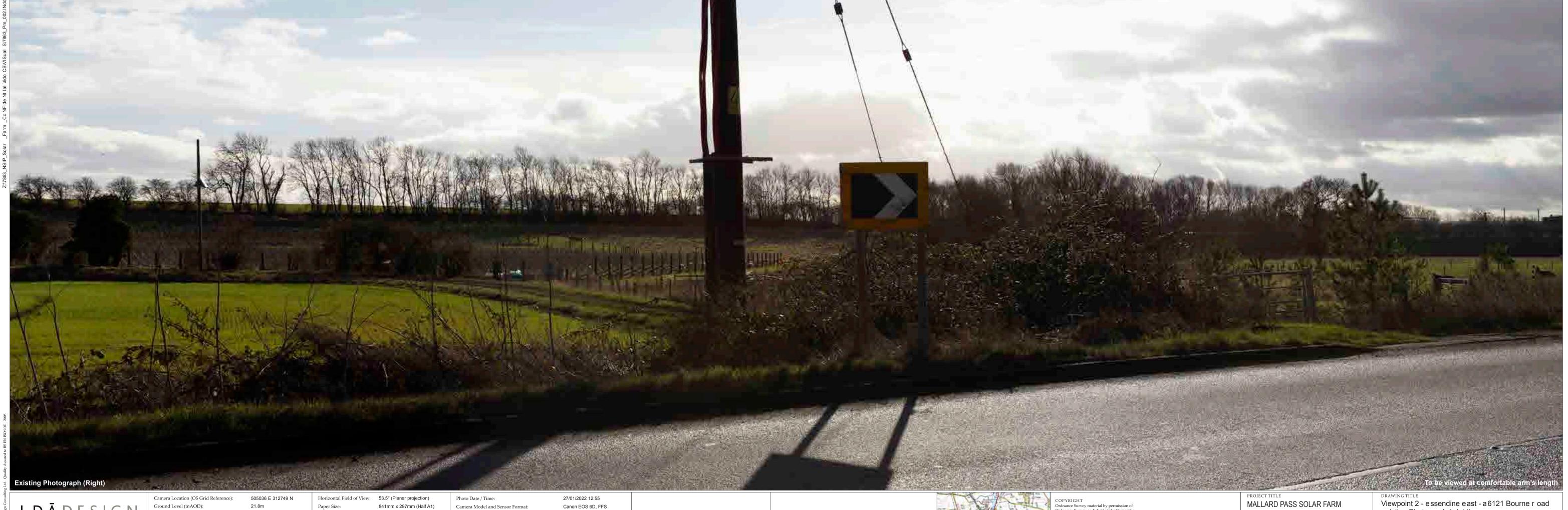
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MALLARD PASS SOLAR FARM
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FIGURE 6.9.2

DATE 21/04/2022 Sheet 2 of 9



Direction of View: bearing from North (0°): 110° Distance to Solar PV Site:

Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD): 1.5m

Canon EF50mm f/1.8 STM

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Viewpoint 2 - essendine east - a6121 Bourne r oad existing Photograph (r ight)

FIGURE 6.9.2

DATE 21/04/2022 Sheet 3 of 9



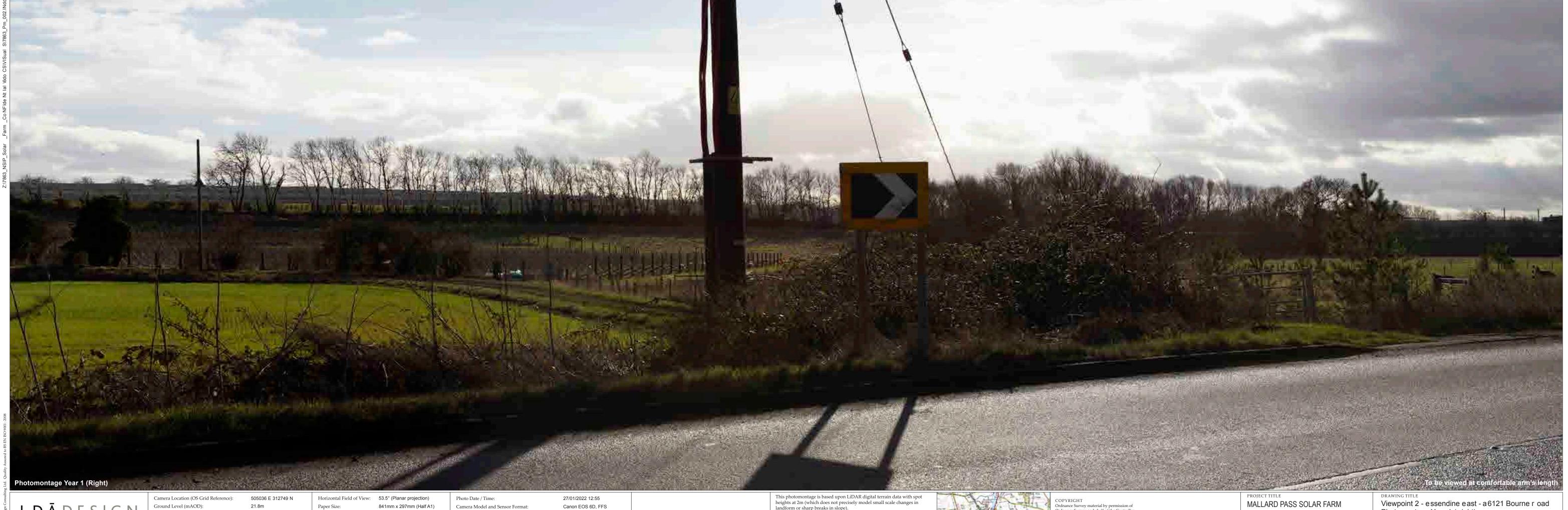


INFORMATION REPORT

FIGURE 6.9.2

DATE 21/04/2022 Sheet 5 of 9

Distance to Solar PV Site:



Direction of View: bearing from North (0°): 110° Distance to Solar PV Site:

Enlargement Factor: Visualisation Type:

Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD): 1.5m

Canon EF50mm f/1.8 STM

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Photomontage Year 1 (r ight)

FIGURE 6.9.2

DATE 21/04/2022 Sheet 6 of 9





INFORMATION REPORT

FIGURE 6.9.2

DATE 21/04/2022 Sheet 8 of 9

Distance to Solar PV Site:



Direction of View: bearing from North (0°): 110° Distance to Solar PV Site:

Enlargement Factor: Visualisation Type:

Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD): 1.5m

Canon EF50mm f/1.8 STM

proposed layout.



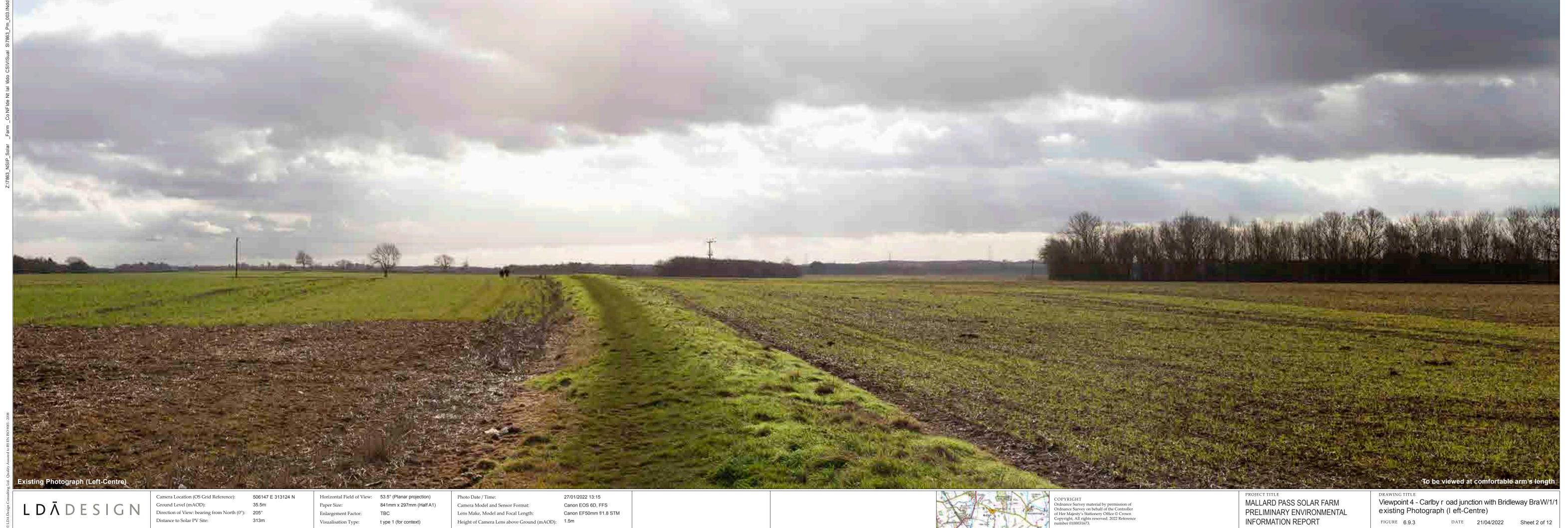
MALLARD PASS SOLAR FARM
PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

Viewpoint 2 - essendine east - a 6121 Bourne r oad Photomontage Year 15 (r ight)

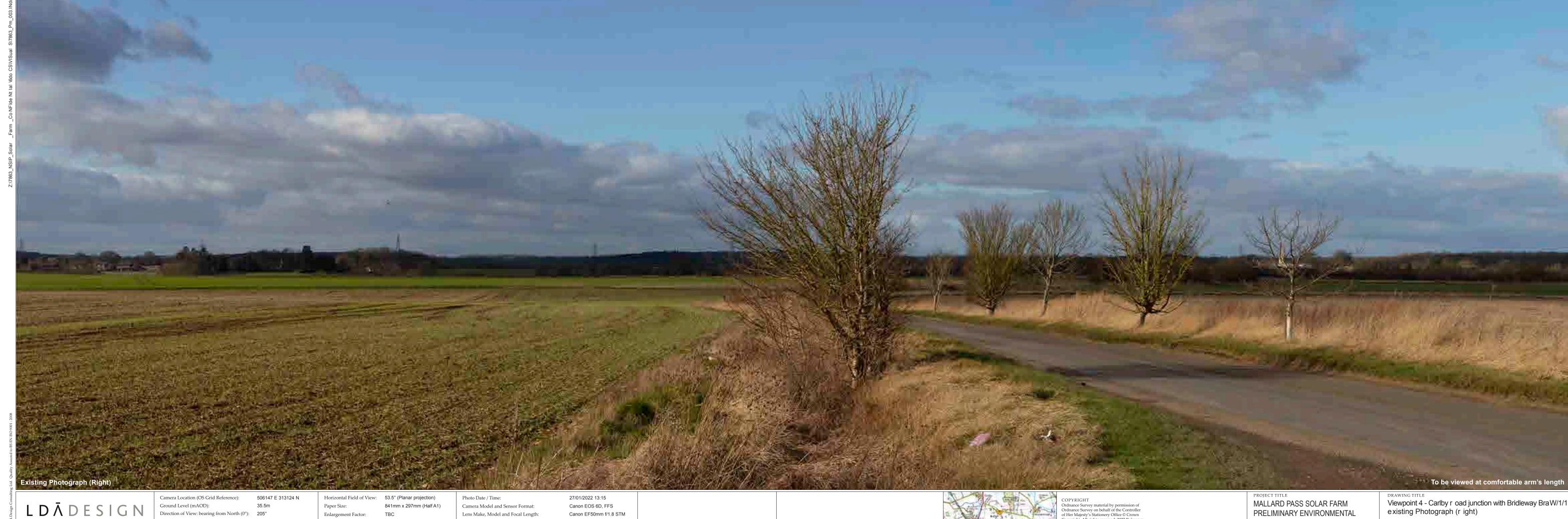
FIGURE 6.9.2

DATE 21/04/2022 Sheet 9 of 9









Direction of View: bearing from North (0°): 205° Distance to Solar PV Site:

Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD): 1.5m

Canon EF50mm f/1.8 STM

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Viewpoint 4 - Carlby r oad junction with Bridleway BraW/1/1 existing Photograph (r ight)

FIGURE 6.9.3

DATE 21/04/2022 Sheet 4 of 12









Ground Level (mAOD): Direction of View: bearing from North (0°): 205° Distance to Solar PV Site:

Paper Size: Enlargement Factor: Visualisation Type:

841mm x 297mm (Half A1)

Camera Model and Sensor Format: Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD): 1.5m

Canon EOS 6D, FFS Canon EF50mm f/1.8 STM This photomontage is based upon LiDAR digital terrain data with spot heights at 2m (which does not precisely model small scale changes in landform or sharp breaks in slope).

The three dimensional model of the solar farm is based on the proposed layout.

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Viewpoint 4 - Carlby r oad junction with Bridleway BraW/1/1 Photomontage Year 1 (r ight)

FIGURE 6.9.3

DATE 21/04/2022 Sheet 8 of 12











Direction of View: bearing from North (0°): 325° Distance to Solar PV Site:

Lens Make, Model and Focal Length:

Canon EF50mm f/1.8 STM Height of Camera Lens above Ground (mAOD): 1.5m

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MALLARD PASS SOLAR FARM
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FIGURE 6.9.4

existing Photograph (I eft)

DATE 21/04/2022 Sheet 1 of 6





INFORMATION REPORT

FIGURE 6.9.4

DATE 21/04/2022 Sheet 3 of 6

Distance to Solar PV Site:



Direction of View: bearing from North (0°): 325° Distance to Solar PV Site:

Enlargement Factor: Visualisation Type:

Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD): 1.5m

Canon EF50mm f/1.8 STM

proposed layout.



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Viewpoint 8 - essendine r oad Photomontage Year 1 (r ight)

FIGURE 6.9.4

DATE 21/04/2022 Sheet 4 of 6



INFORMATION REPORT

FIGURE 6.9.4

DATE 21/04/2022 Sheet 5 of 6

Distance to Solar PV Site:



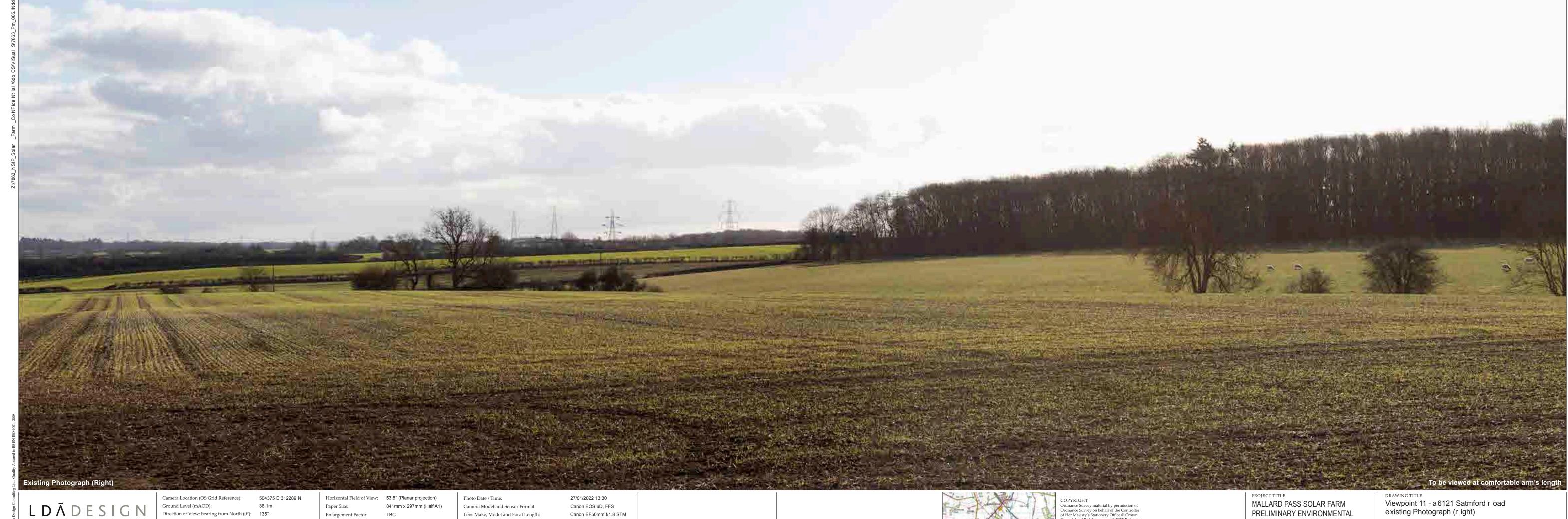
INFORMATION REPORT

FIGURE 6.9.4

DATE 21/04/2022 Sheet 6 of 6

Distance to Solar PV Site:





Distance to Solar PV Site:

Height of Camera Lens above Ground (mAOD): 1.5m

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INFORMATION REPORT

FIGURE 6.9.5 DATE 21/04/2022 Sheet 2 of 6





Distance to Solar PV Site:

Visualisation Type:

Height of Camera Lens above Ground (mAOD): 1.5m

proposed layout.



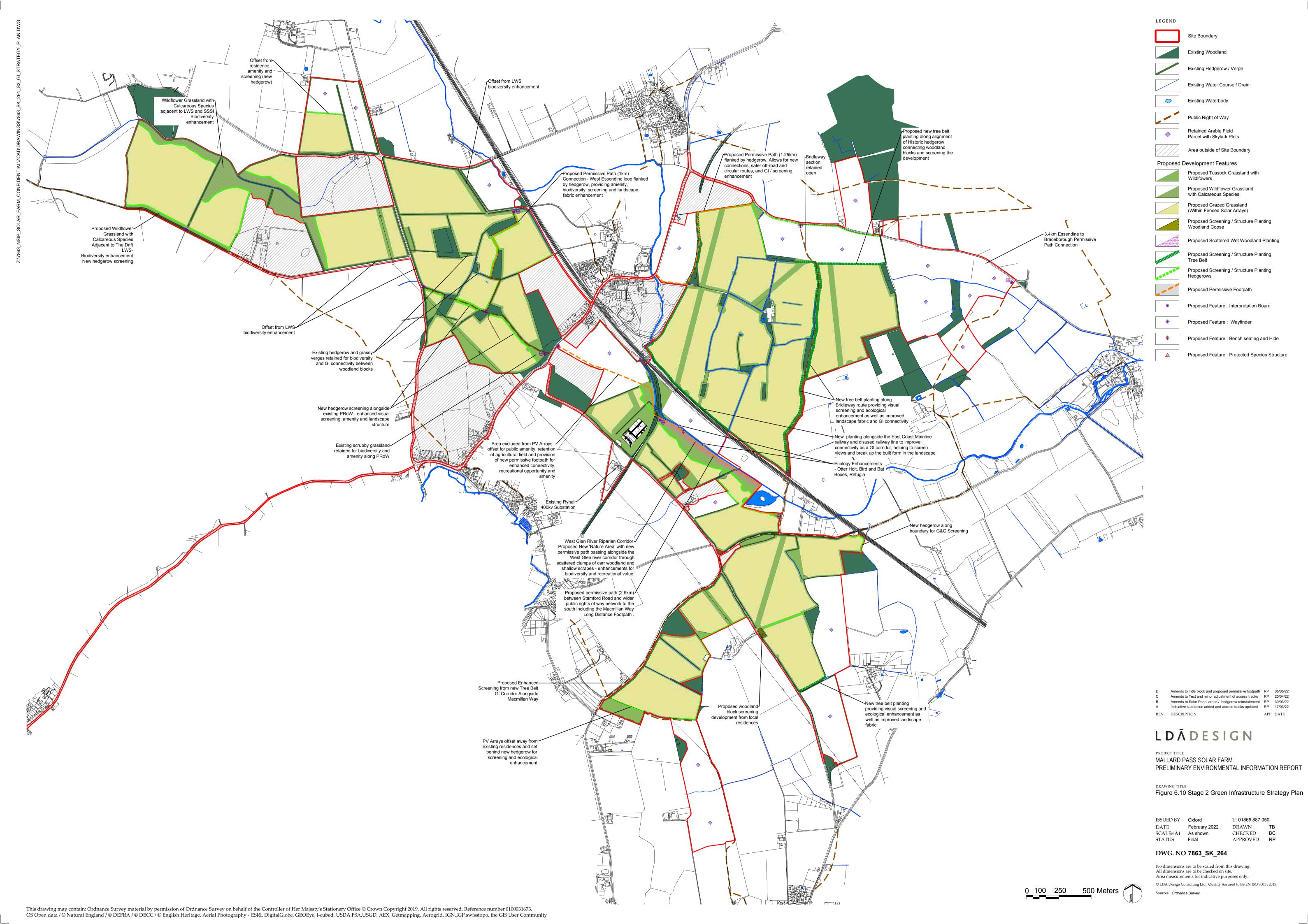
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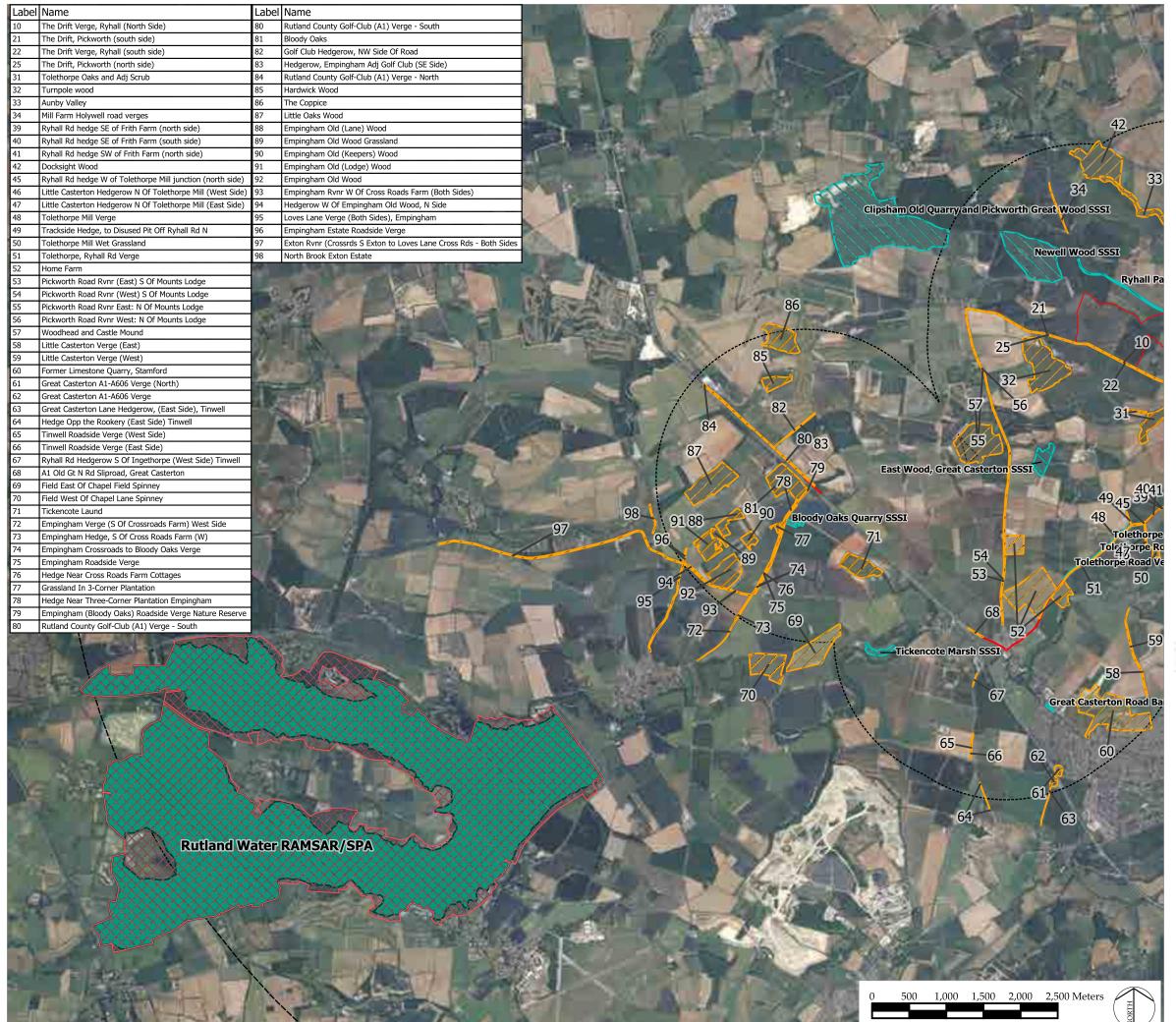
INFORMATION REPORT

FIGURE 6.9.5 DATE 21/04/2022 Sheet 4 of 6









#### LEGEND

#### Internationally designated sites within 10 km

Special Protection Area (SPA)

RAMSAR site

### Nationally designated sites within 2 km

Site of Special Scientific Interest (SSSI)

Local Wildlife Site (LWS)

Site boundary

2 km buffer

10km buffer



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PROJECT TITLE

MALLARD PASS SOLAR FARM:
PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

DRAWING TITLE

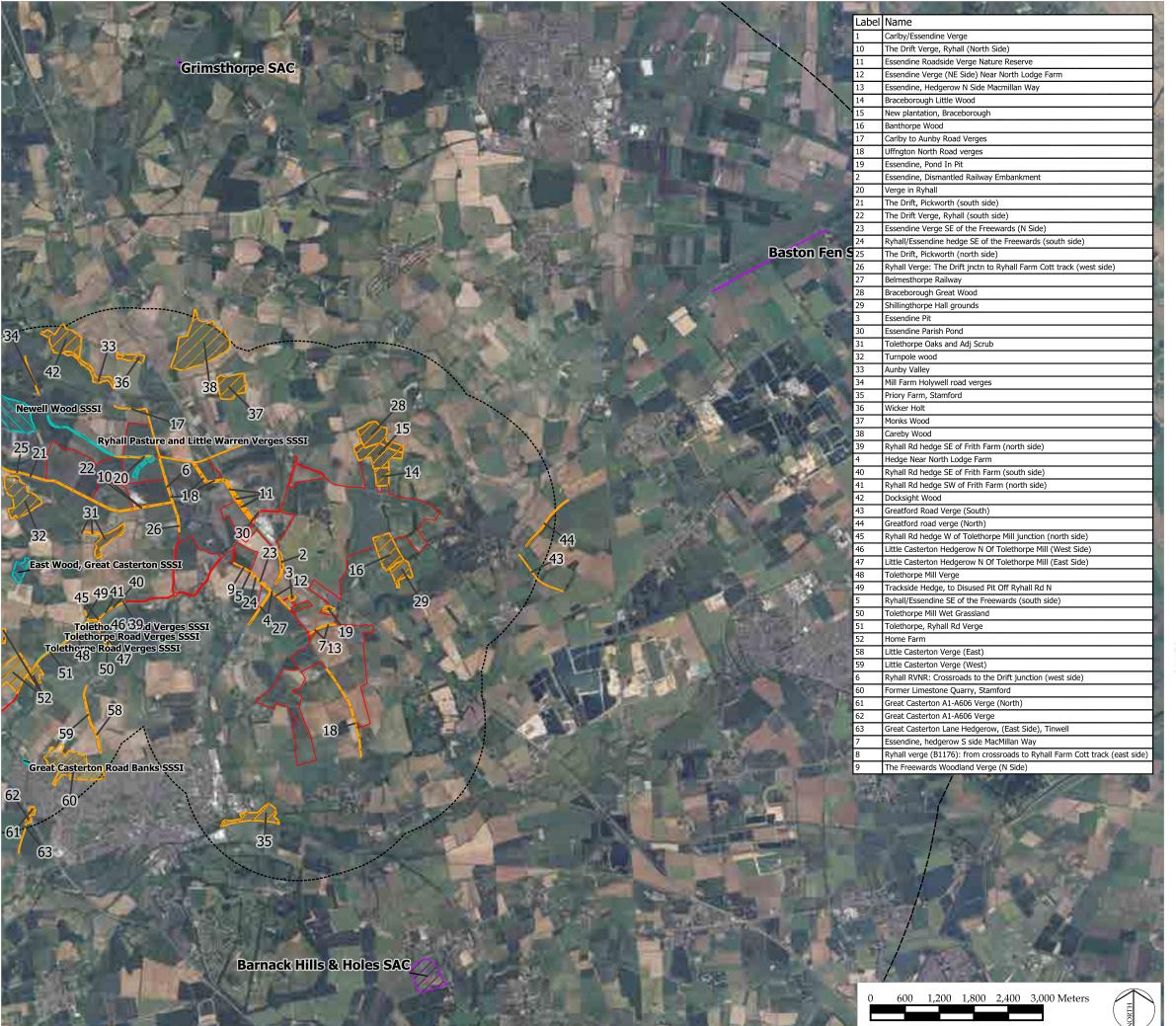
Figure 7.1: Site boundary and location of designated sites (Map 1 of 2)

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STATUS Final APPROVED PS

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LEGEND

#### Internationally designated sites within 10 km

Special Area of Conservation (SAC)

### Nationally designated sites within 2 km

Site of Special Scientific Interest (SSSI)

Local Wildlife Site (LWS)

Site boundary

2 km buffer

[\_\_\_] 10km buffer



### LDĀDESIGN

MALLARD PASS SOLAR FARM: PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

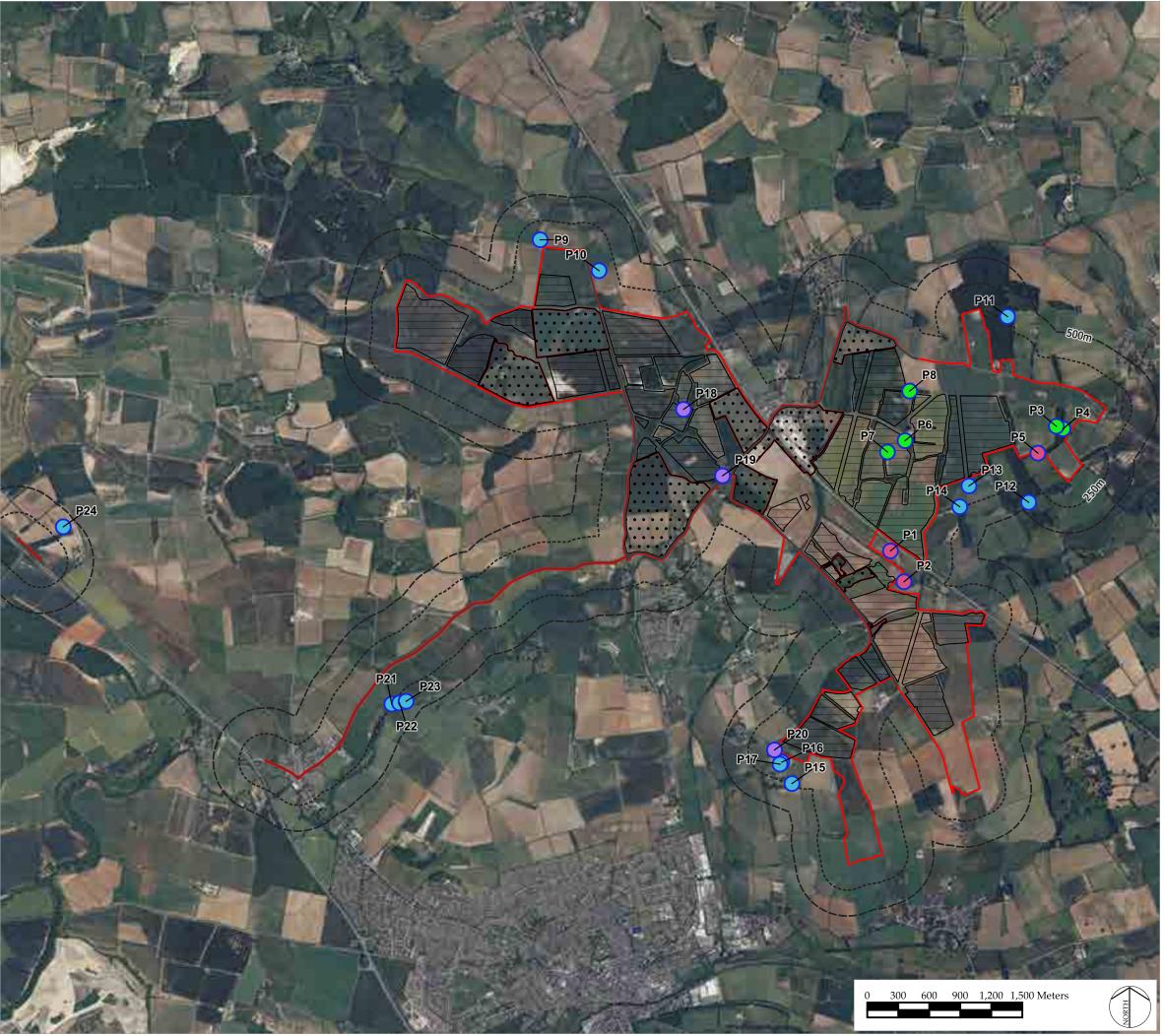
Figure 7.1: Site boundary and location of designated sites (Map 2 of 2)

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Onsite pond sampled for eDNA

Onsite pond dry or absent

Offsite pond sampled for eDNA

Offsite pond not sampled for eDNA

Site boundary

Solar PV Site

Potential highways works

Areas outside Site boundary

250m from Site boundary

500m from Site boundary

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MALLARD PASS SOLAR FARM:
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Figure 7.2: Ponds within 500m of the Site

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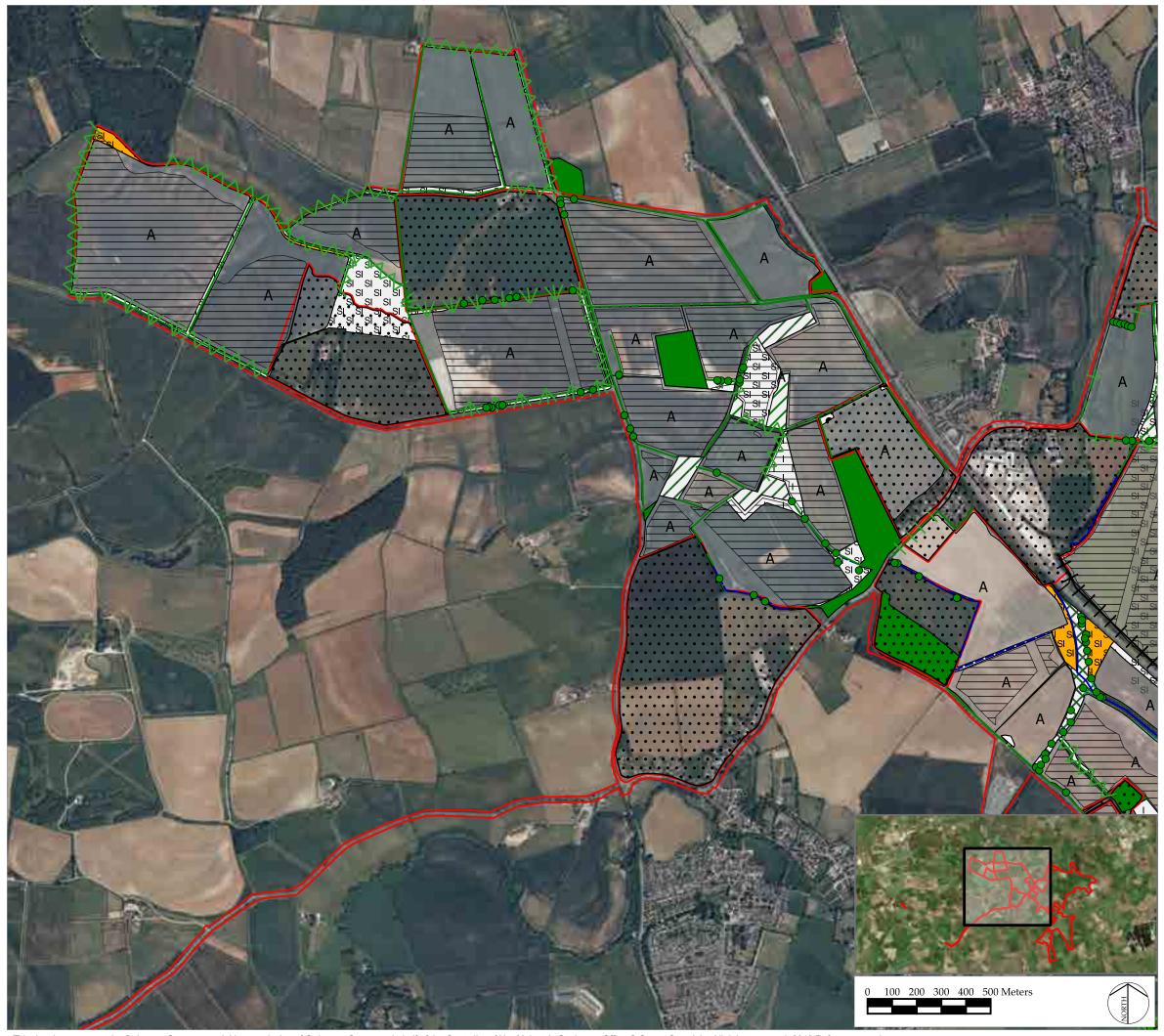
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- Scattered trees
- Running water
- --- Dry ditch
- Intact hedge native species-rich
- Intact hedge species-poor
- --- Defunct hedge species-poor
- Hedge with trees native species-rich
- Hedge with trees species-poor
- Fence
- Matrix of semi-improved neutral grassland, poor semi-improved grassland, tall ruderal vegetation and scattered scrub
  - Broadleaved woodland semi-natural
- Broadleaved woodland plantation
- Scrub dense/continuous
- Neutral grassland semi-improved
- Improved grassland
- Poor semi-improved grassland
- A Cultivated/disturbed land arable
- Bare ground
- Site boundary
- Solar PV Site
- Areas outside Site boundary

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MALLARD PASS SOLAR FARM:

PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

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Figure 7.3: Phase 1 habitats plan Map 1 of 3

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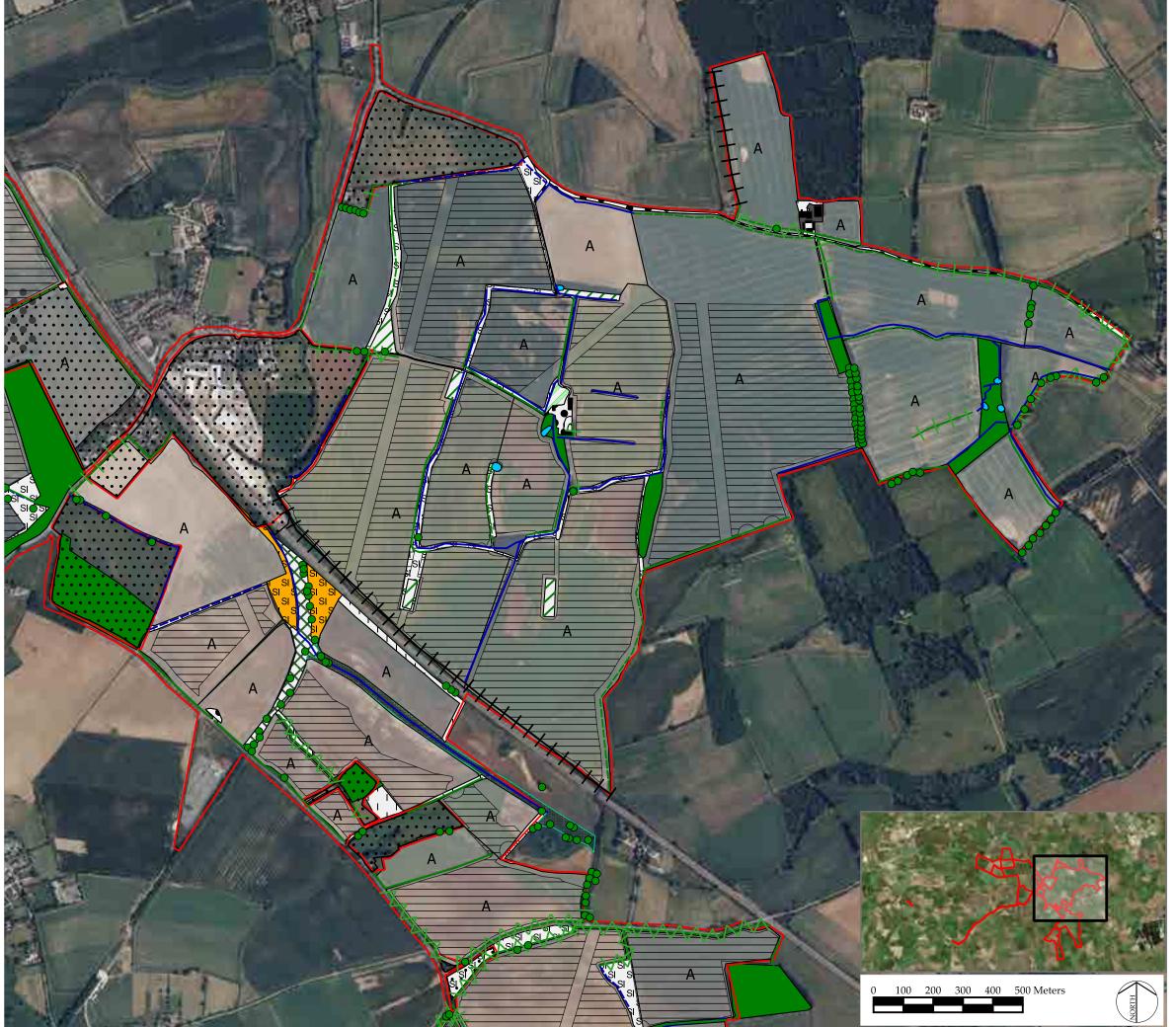
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- Scattered trees
- Running water
- --- Dry ditch

Intact hedge - native species-rich

\_\_\_\_ Intact hedge - species-poor

\_\_\_ Defunct hedge - species-poor

Hedge with trees - native species-rich

Hedge with trees - species-poor

⊥\_ Fend

Matrix of semi-improved neutral grassland, poor semi-improved grassland, tall ruderal

vegetation and scattered scrub

Broadleaved woodland - semi-natural

Broadleaved woodland - plantation

Coniferous woodland - plantation

Scrub - dense/continuous

Neutral grassland - semi-improved

Improved grassland

Poor semi-improved grassland

Standing water

A Cultivated/disturbed land - arable

Buildings

Bare ground

Hardstanding

Site boundary

Solar PV Site

Areas outside Site boundary

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MALLARD PASS SOLAR FARM:

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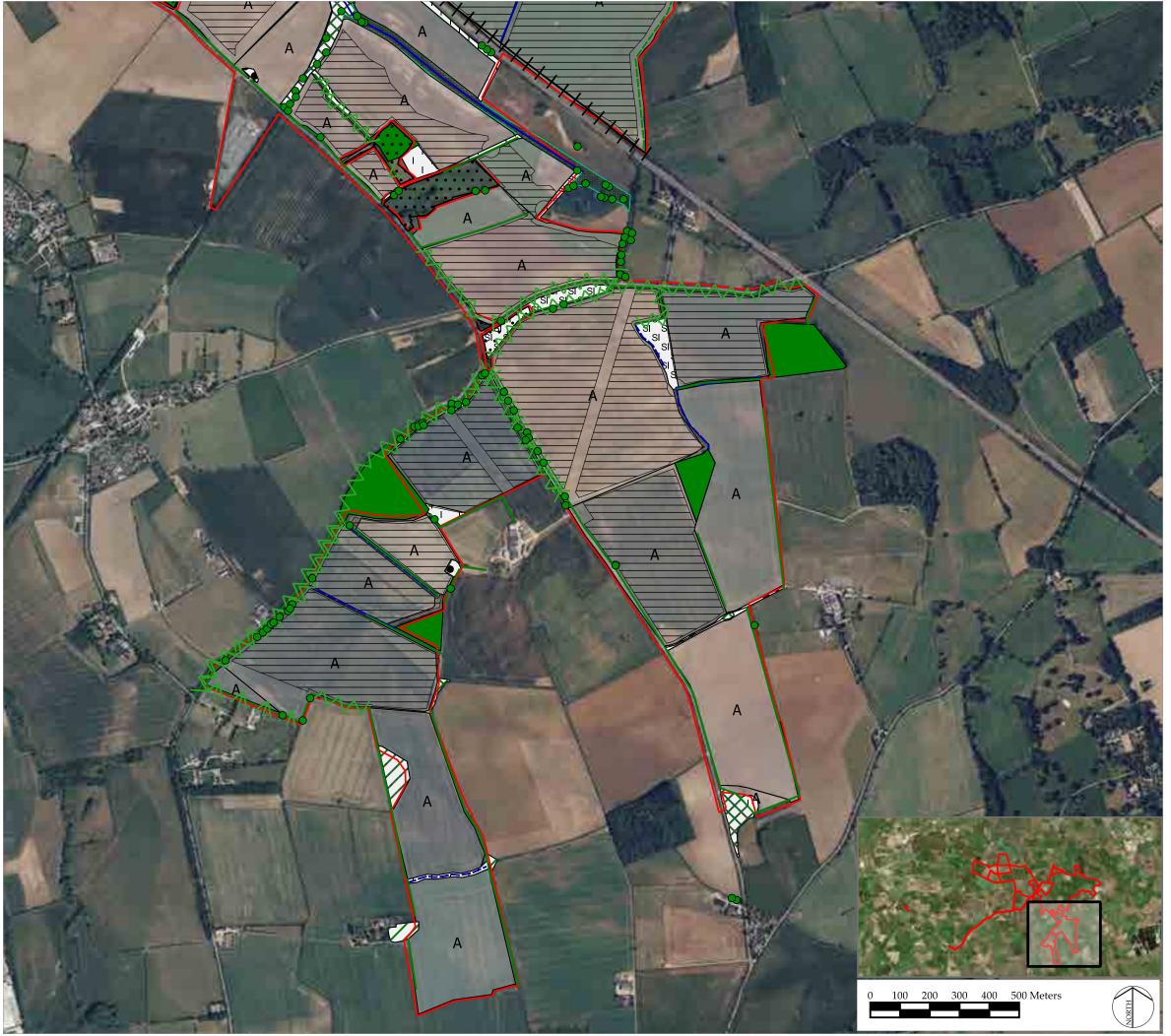
Figure 7.3: Phase 1 habitats plan Map 2 of 3

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- Scattered trees
- Running water
- --- Dry ditch
- A Intact hedge native species-rich
- \_\_\_\_ Intact hedge species-poor
- \_\_\_ Defunct hedge species-poor
- Hedge with trees native species-rich
- Hedge with trees species-poor
  - Fence
  - Matrix of semi-improved neutral grassland, poor semi-improved grassland, tall ruderal
  - vegetation and scattered scrub
- Broadleaved woodland semi-natural
- Broadleaved woodland plantation
- Scrub dense/continuous
- Neutral grassland semi-improved
- Improved grassland
- Poor semi-improved grassland
- A Cultivated/disturbed land arable
- Bare ground
- Site boundary
- Solar PV Site
- Areas outside Site boundary

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MALLARD PASS SOLAR FARM: PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

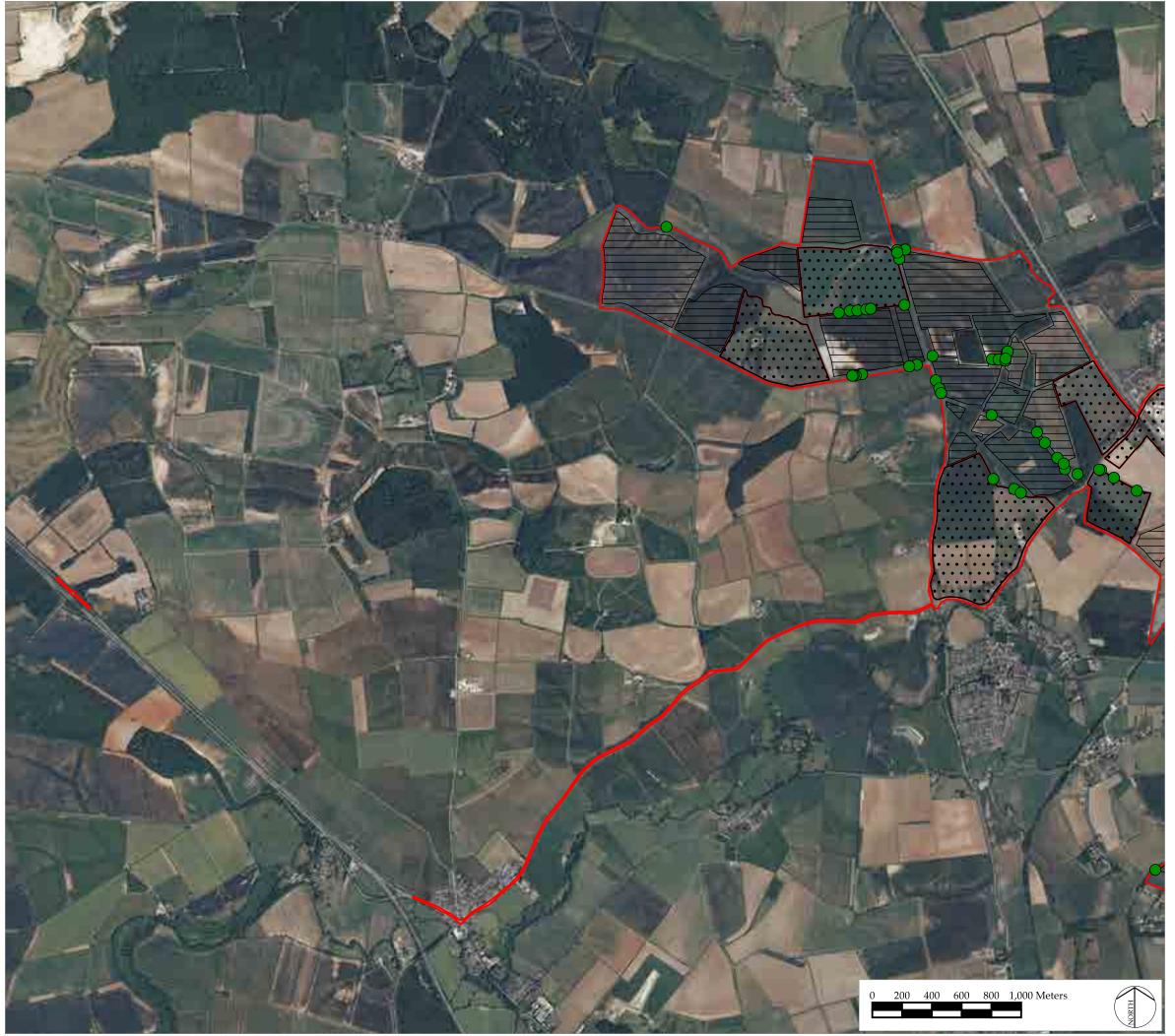
Figure 7.3: Phase 1 habitats plan Map 3 of 3

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LEGEND

Trees with bat roost suitability

Solar PV Site

Site boundary

Areas outside Site boundary



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Figure 7.4: Trees with bat roost suitability Map 1 of 2

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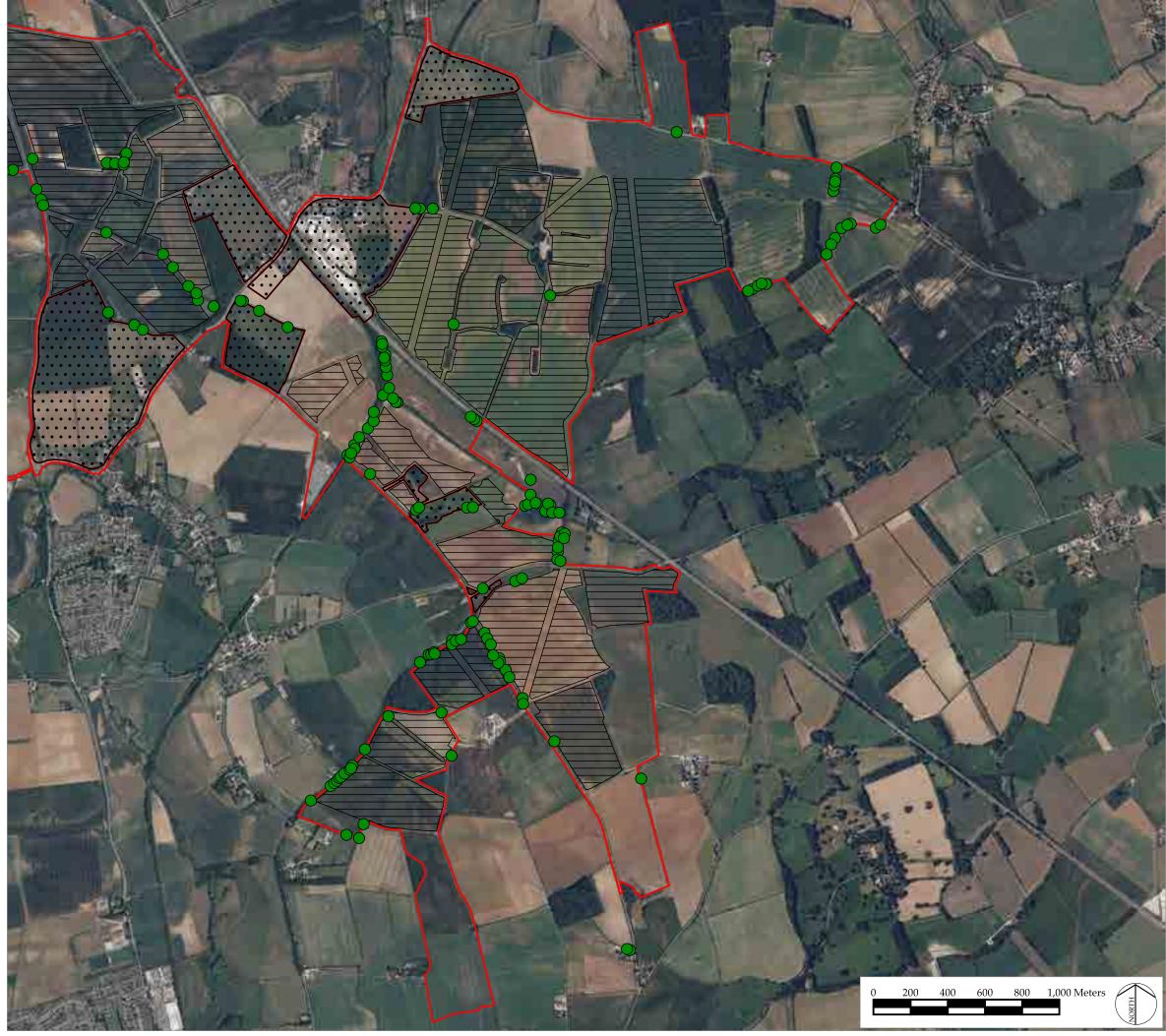
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LEGEND

Trees with bat roost suitability

Solar PV Site

Site boundary

Areas outside Site boundary



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Figure 7.4: Trees with bat roost suitability Map 2 of 2

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#### **Water vole evidence**

Feeding station

Burrow

Latrine

River surveyed for water vole

- - River not surveyed for water vole

Solar PV Site

Potential highways works

Site boundary

Areas outside Site boundary



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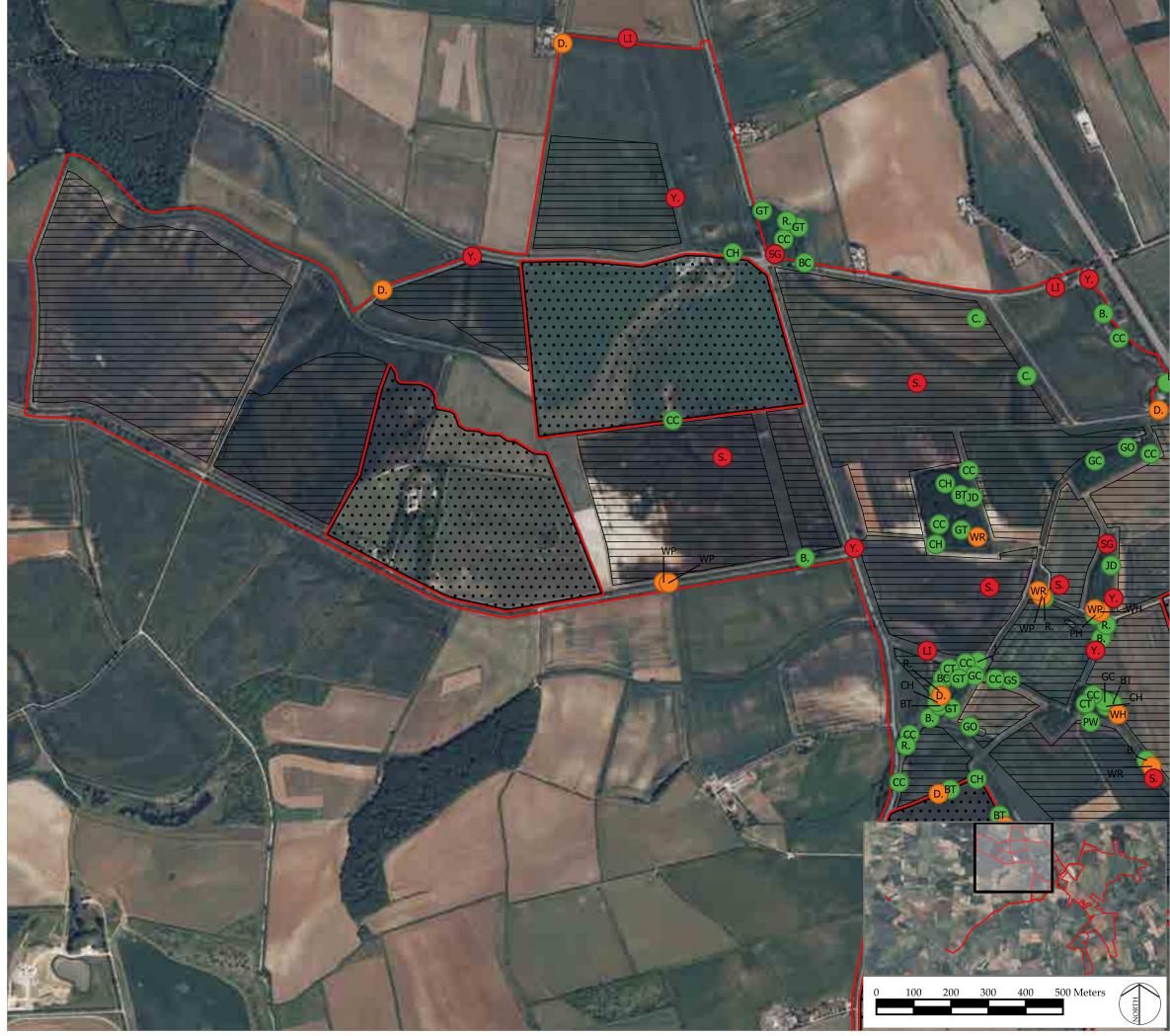
Figure 7.5: Water vole evidence

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#### LEGEND

Birds of Conservation Concern (BoCC) Status

Rec

Amber

Green

Solar PV Site

Site boundary

Areas outside Site boundary

BTO code	Common name	Scientific name
S.	Skylark	Alauda arvensis
B.	Blackbird	Turdus merula
WR	Wren	Troglodytes troglodytes
WH	Common Whitethroat	Sylvia communis
СН	Chaffinch	Fringilla coelebs
ВТ	Blue Tit	Cyanistes caeruleus
GC	Goldcrest	Regulus regulus
CC	Chiffchaff	Phylloscopus collybita
Υ.	Yellowhammer	Emberiza citrinella
R.	Robin	Erithacus rubecula
PH	Pheasant	Phasianus colchicus
WP	Woodpigeon	Columba palumbus
J.	Jay	Garrulus glandarius
GS	Great Spotted Woodpecker	Dendrocopos major
GO	Goldfinch	Carduelis carduelis
СТ	Coal Tit	Periparus ater
D.	Dunnock	Prunella modularis
ВС	Blackcap	Sylvia atricapilla
GT	Great Tit	Parus major
LI	Linnet	Carduelis cannabina
C.	Carrion Crow	Corvus corone
SG	Common Starling	Sturnus vulgaris
JD	Jackdaw	Corvus monedula
PW	Pied/White Wagtail	Motacilla alba

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Figure 7.6: Breeding bird indicative territories Map 1 of 5

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#### LEGEND

Birds of Conservation Concern (BoCC) Status

Amber

Green

Solar PV Site Site boundary

Areas outside Site boundary

BTO code	Common name	Scientific name
WR	Wren	Troglodytes troglodyte
WH	Common Whitethroat	,
R.	Robin	Erithacus rubecula
D.	Dunnock	Prunella modularis
WP	Woodpigeon	Columba palumbus
Y.	Yellowhammer	Emberiza citrinella
JD	Jackdaw	Corvus monedula
BC	Blackcap	Sylvia atricapilla
PH	Pheasant	Phasianus colchicus
GO	Goldfinch	Carduelis carduelis
CH	Chaffinch	Fringilla coelebs
BT	Blue Tit	Cyanistes caeruleus
CC	Chiffchaff	Phylloscopus collybita
SD	Stock Dove	Columba oenas
RB	Reed Bunting	Emberiza schoeniclus
GR	Greenfinch	Carduelis chloris
GC	Goldcrest	Regulus regulus
RL	Red-legged Partridge	Alectoris rufa
YW	Yellow Wagtail	Motacilla flava
B.	Blackbird	Turdus merula
LI	Linnet	Carduelis cannabina
ST	Song Thrush	Turdus philomelos
LW	Lesser Whitethroat	Sylvia curruca
S.	Skylark	Alauda arvensis
GT	Great Tit	Parus major
MG	Magpie	Pica pica
CD	Collared Dove	Streptopelia decaocto
СТ	Coal Tit	Periparus ater
HS	House Sparrow	Passer domesticus
G.	Green Woodpecker	Picus viridis
SG	Common Starling	Sturnus vulgaris
NH	Eurasian Nuthatch	Sitta europaea
L.	Lapwing	Vanellus vanellus
K.	Common Kestrel	Falco tinnunculus
C.	Carrion Crow	Corvus corone

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MALLARD PASS SOLAR FARM:

PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

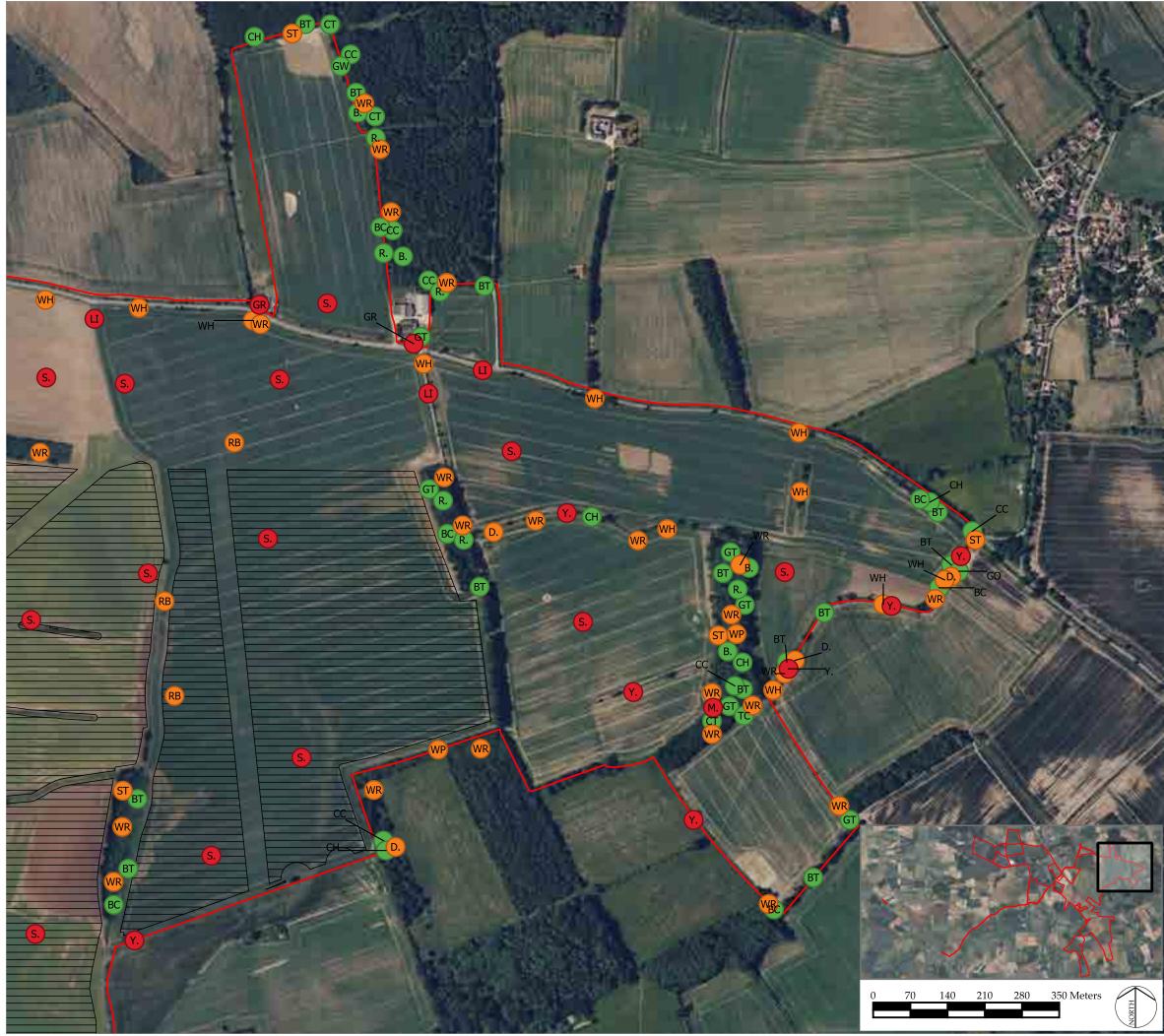
Figure 7.6: Breeding bird indicative territories Map 2 of 5

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#### LEGEND

Birds of Conservation Concern (BoCC) Status

Re

, Re

Amber

Green

Solar PV Site

Site boundary

BTO code	Common name	Scientific name
WR	Wren	Troglodytes troglodytes
LI	Linnet	Carduelis cannabina
WH	Common Whitethroat	Sylvia communis
RB	Reed Bunting	Emberiza schoeniclus
ВТ	Blue Tit	Cyanistes caeruleus
ВС	Blackcap	Sylvia atricapilla
ST	Song Thrush	Turdus philomelos
СТ	Coal Tit	Periparus ater
СН	Chaffinch	Fringilla coelebs
CC	Chiffchaff	Phylloscopus collybita
GW	Garden Warbler	Sylvia borin
В.	Blackbird	Turdus merula
R.	Robin	Erithacus rubecula
GR	Greenfinch	Carduelis chloris
GT	Great Tit	Parus major
Υ.	Yellowhammer	Emberiza citrinella
D.	Dunnock	Prunella modularis
WP	Woodpigeon	Columba palumbus
М.	Mistle Thrush	Turdus viscivorus
TC	Treecreeper	Certhia familiaris
GO	Goldfinch	Carduelis carduelis
S.	Skylark	Alauda arvensis

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MALLARD PASS SOLAR FARM:

PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

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Figure 7.6: Breeding bird indicative territories Map 3 of 5

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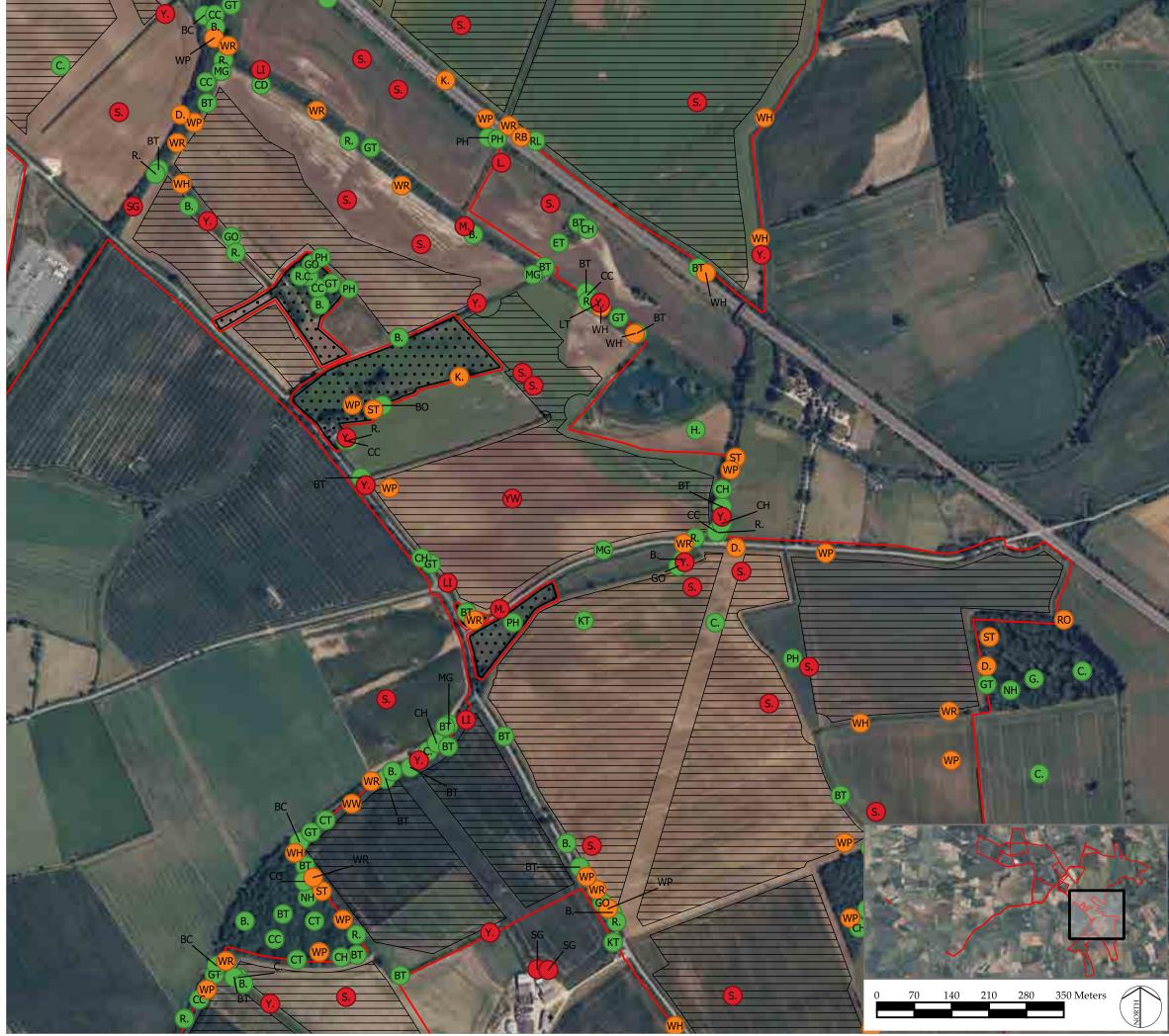
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Birds of Conservation Concern (BoCC) Status

Red

Ambe

Green

Solar PV Site

Site boundary

Areas outside Site boundary

DTO 1		C : 1:C
	Common name	Scientific name
WH	Common Whitethroat	,
Υ.	Yellowhammer	Emberiza citrinella
BT	Blue Tit	Cyanistes caeruleus
WR	Wren	Troglodytes troglodyt
RL	Red-legged Partridge	Alectoris rufa
RB	Reed Bunting	Emberiza schoeniclus
S.	Skylark	Alauda arvensis
LT	Long-tailed Tit	Aegithalos caudatus
ST	Song Thrush	Turdus philomelos
CC	Chiffchaff	Phylloscopus collybita
K.	Common Kestrel	Falco tinnunculus
R.	Robin	Erithacus rubecula
Н.	Grey Heron	Ardea cinerea
MG	Magpie	Pica pica
В.	Blackbird	Turdus merula
CH	Chaffinch	Fringilla coelebs
GO	Goldfinch	Carduelis carduelis
D.	Dunnock	Prunella modularis
WP	Woodpigeon	Columba palumbus
C.	Carrion Crow	Corvus corone
PH	Pheasant	Phasianus colchicus
GT	Great Tit	Parus major
G.	Green Woodpecker	Picus viridis
KT	Red Kite	Milvus milvus
LI	Linnet	Carduelis cannabina
WW	Willow Warbler	Phylloscopus trochilus
BC	Blackcap	Sylvia atricapilla
СТ	Coal Tit	Periparus ater
NH	Eurasian Nuthatch	Sitta europaea
М.	Mistle Thrush	Turdus viscivorus
ВО	Barn Owl	Tyto alba
SG	Common Starling	Sturnus vulgaris
CD	Collared Dove	Streptopelia decaocto
ET	Little Egret	Egretta garzetta
YW	Yellow Wagtail	Motacilla flava
L.	Lapwing	Vanellus vanellus
JD	Jackdaw	Corvus monedula
RO	Rook	Corvus frugilegus

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MALLARD PASS SOLAR FARM:

PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

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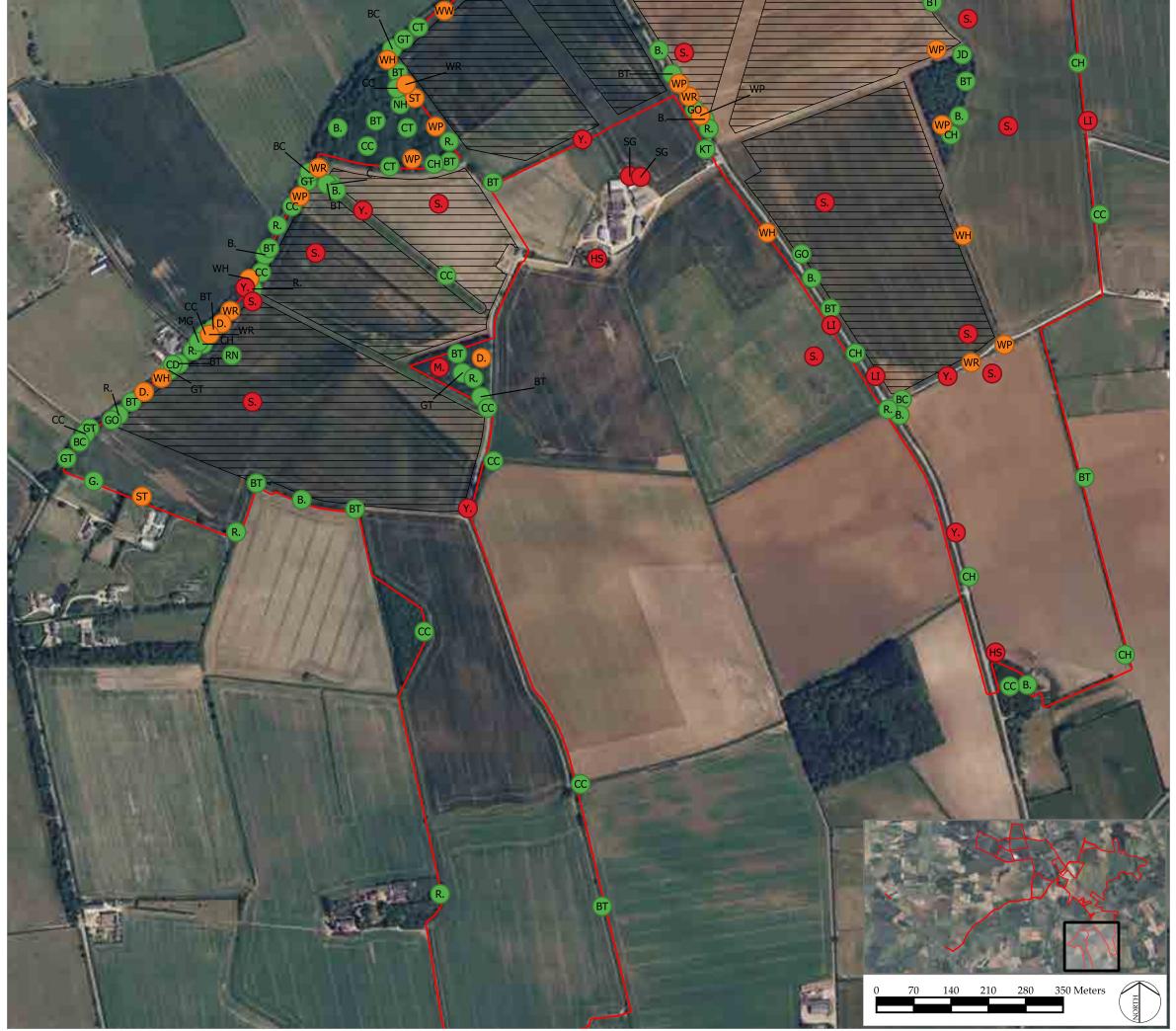
Figure 7.6: Breeding bird indicative territories Map 4 of 5

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Birds of Conservation Concern (BoCC) Status

Red

Amber

Green

Solar PV Site

Site boundary

BTO code	Common name	Scientific name
BT	Blue Tit	Cyanistes caeruleus
S.	Skylark	Alauda arvensis
WP	Woodpigeon	Columba palumbus
CH	Chaffinch	Fringilla coelebs
B.	Blackbird	Turdus merula
WH	Common Whitethroat	Sylvia communis
WR	Wren	Troglodytes troglodytes
Y.	Yellowhammer	Emberiza citrinella
BC	Blackcap	Sylvia atricapilla
R.	Robin	Erithacus rubecula
LI	Linnet	Carduelis cannabina
GO	Goldfinch	Carduelis carduelis
KT	Red Kite	Milvus milvus
WW	Willow Warbler	Phylloscopus trochilus
СТ	Coal Tit	Periparus ater
GT	Great Tit	Parus major
ST	Song Thrush	Turdus philomelos
NH	Eurasian Nuthatch	Sitta europaea
CC	Chiffchaff	Phylloscopus collybita
C.	Carrion Crow	Corvus corone
HS	House Sparrow	Passer domesticus
RN	Raven	Corvus corax
CD	Collared Dove	Streptopelia decaocto
G.	Green Woodpecker	Picus viridis
D.	Dunnock	Prunella modularis
М.	Mistle Thrush	Turdus viscivorus
MG	Magpie	Pica pica
JD	Jackdaw	Corvus monedula
SG	Common Starling	Sturnus vulgaris

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Figure 7.6: Breeding bird indicative territories Map 5 of 5

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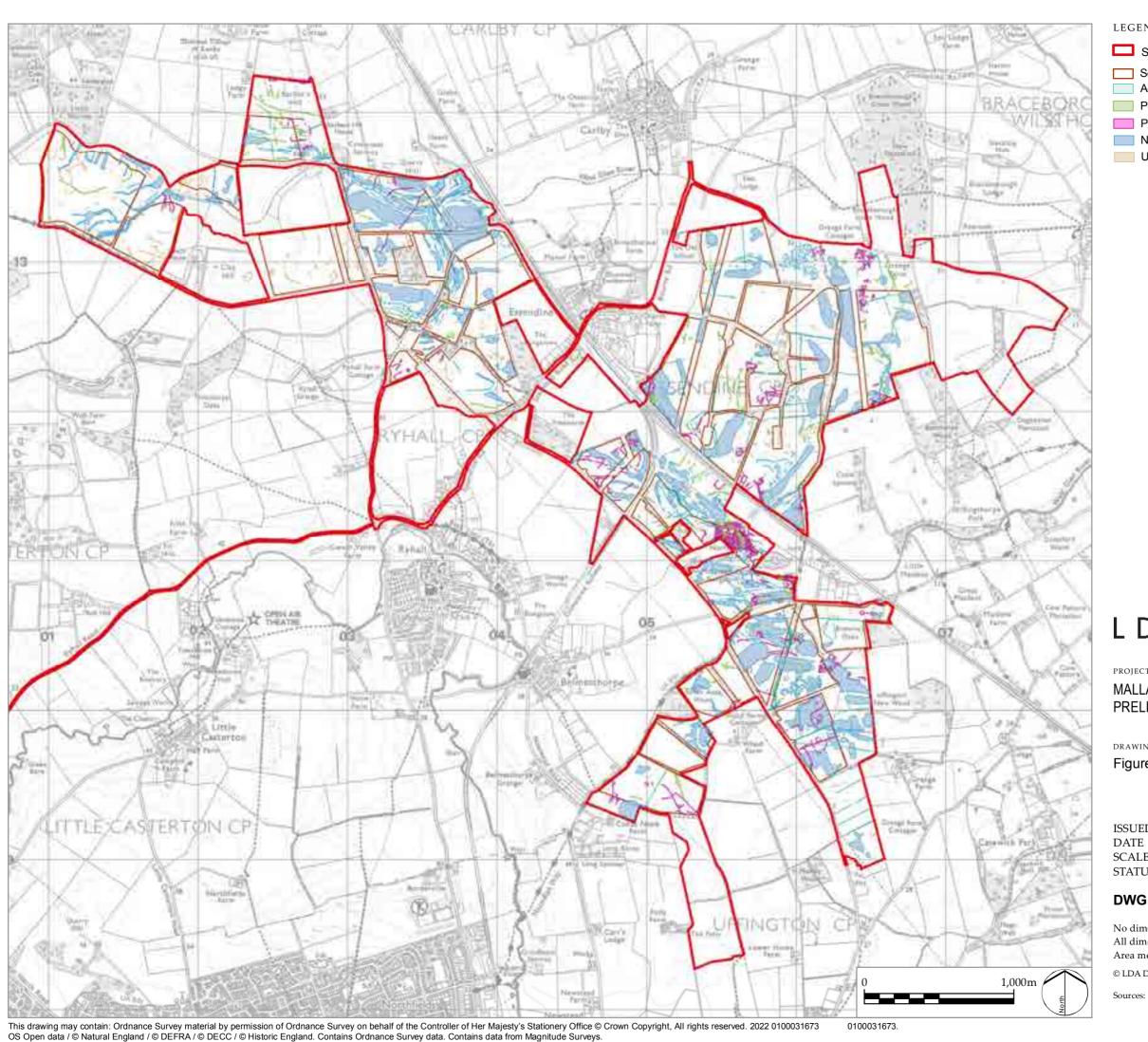
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Site Boundary

Solar PV Site

Agricultural Anomalies

Possible Archaeology

Probable Archaeology

Natural Anomalies

Undetermined Anomalies

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MALLARD PASS SOLAR FARM: PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

Figure 8.1 Geophysical Survey Interpretation Results

ISSUED BY Cotswold Archaeology

22 April 2022

DRAWN CHECKED JXS

RW

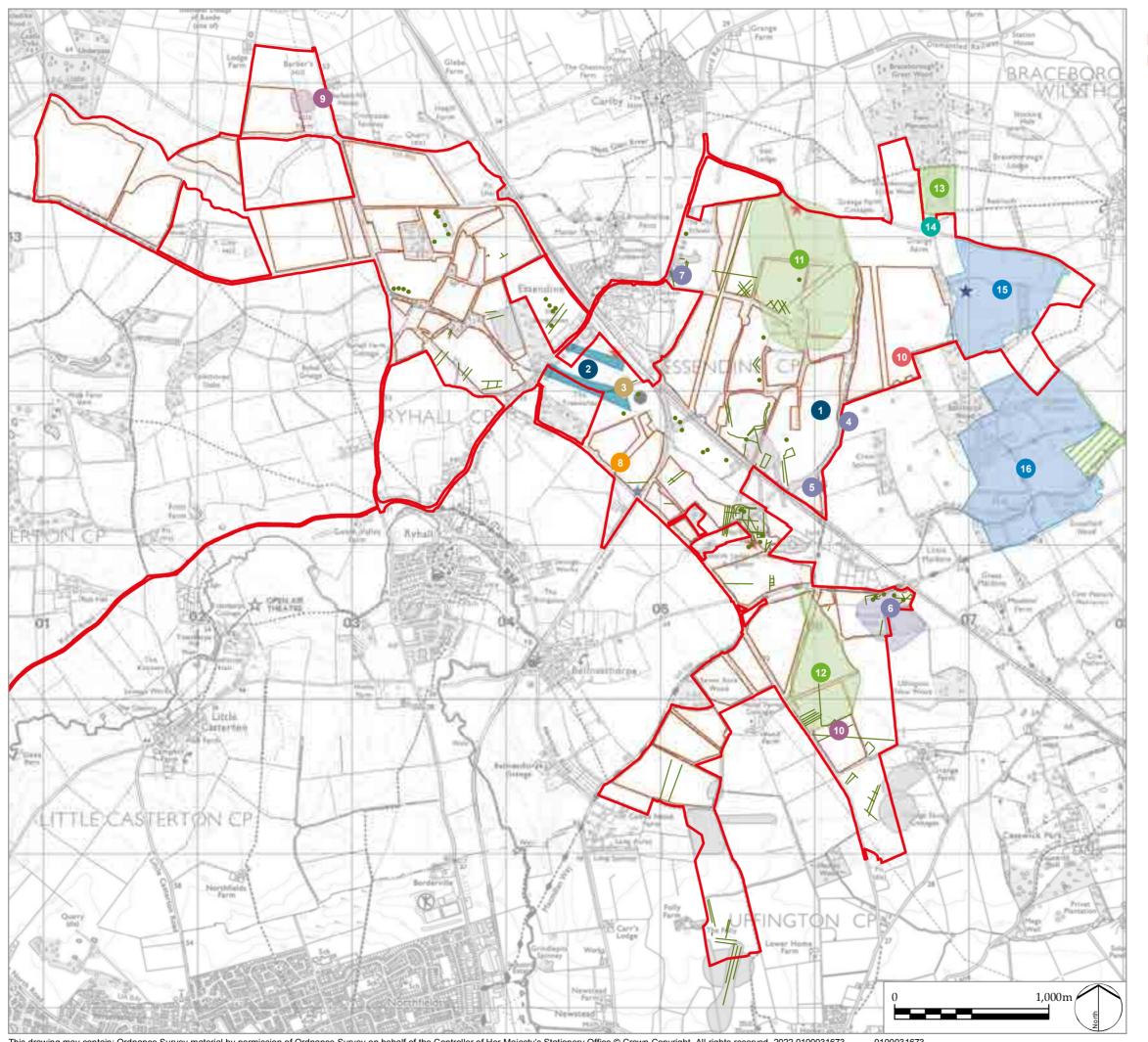
SCALE @A3 1:24,000 APPROVED **STATUS** Final

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Site Boundary

Solar PV Site

— Cropmark Palaeolithic

\* Bronze Age Findspot

★ Prehistoric Findspot

Roman Findspot

Roman

\* Early medieval Findspot

★ Medieval Findspot

Post-medieval

★ Post-medieval Findspot

Palaeochannel

Mesolithic

Bronze Age

Iron Age

Prehistoric

Roman

Medieval

Medieval Ridge and Furrow

Post-medieval

Modern

Undated Cropmark

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Figure 8.2 Archaeological Assets

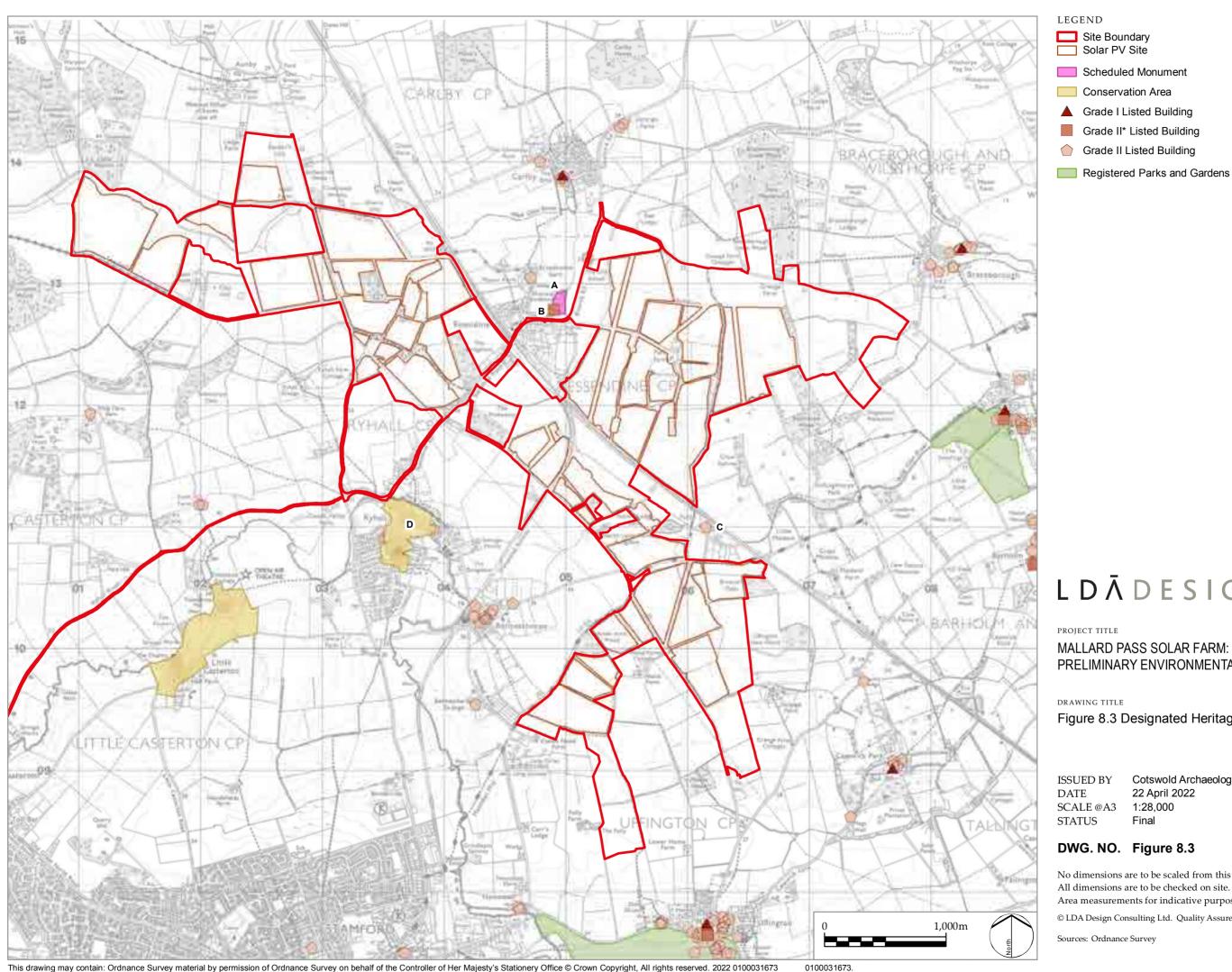
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22 April 2022 DATE DRAWN JXS CHECKED RW SCALE @A3 1:24,000 APPROVED Final STATUS

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▲ Grade I Listed Building Grade II\* Listed Building

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MALLARD PASS SOLAR FARM: PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

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Figure 8.3 Designated Heritage Assets

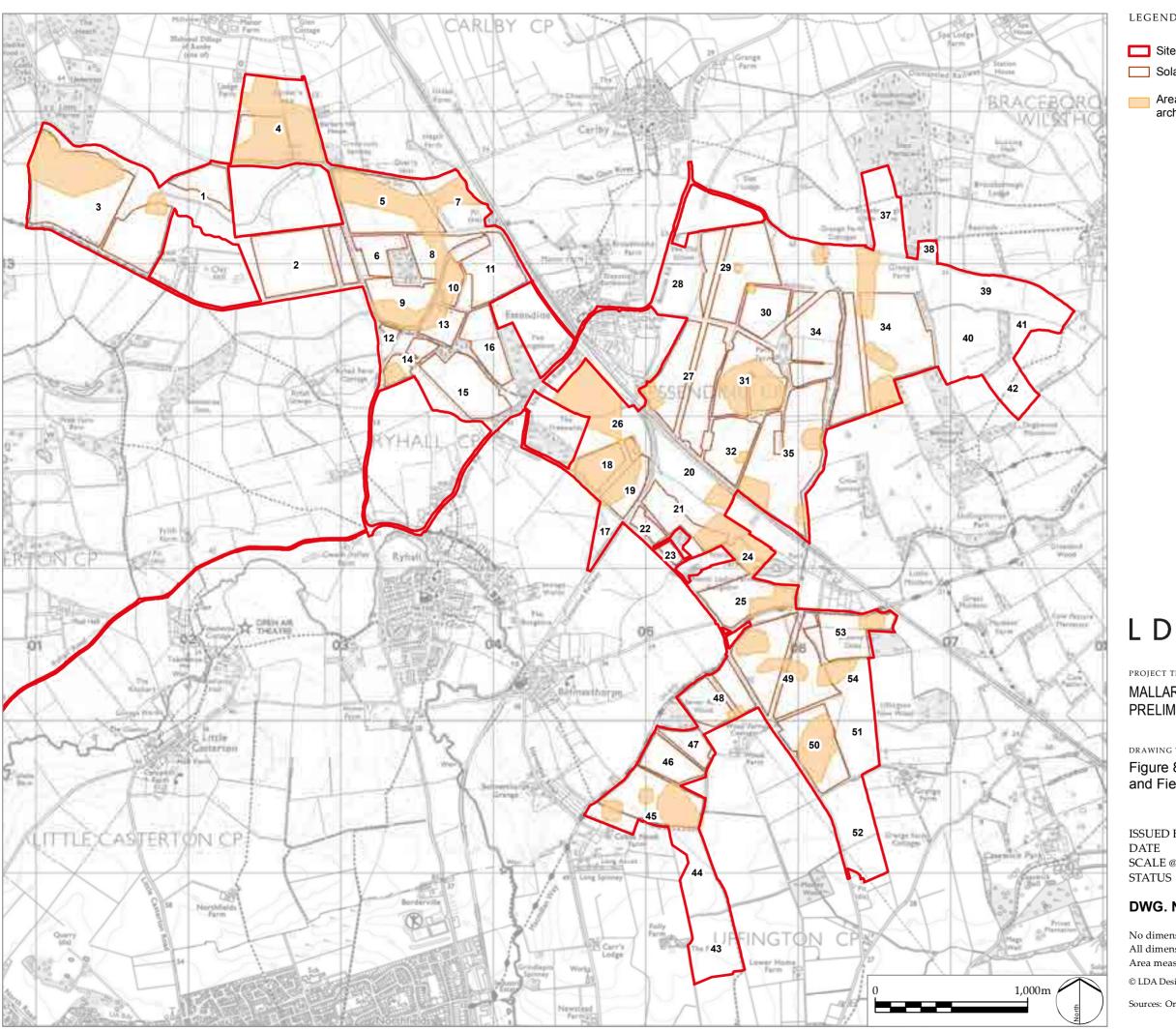
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Site Boundary

Solar PV Site

Areas more likely to include buried archaeological remains

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Figure 8.4 Areas of Potential Archaeological Remains and Field Numbering System

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22 April 2022 DRAWN DATE

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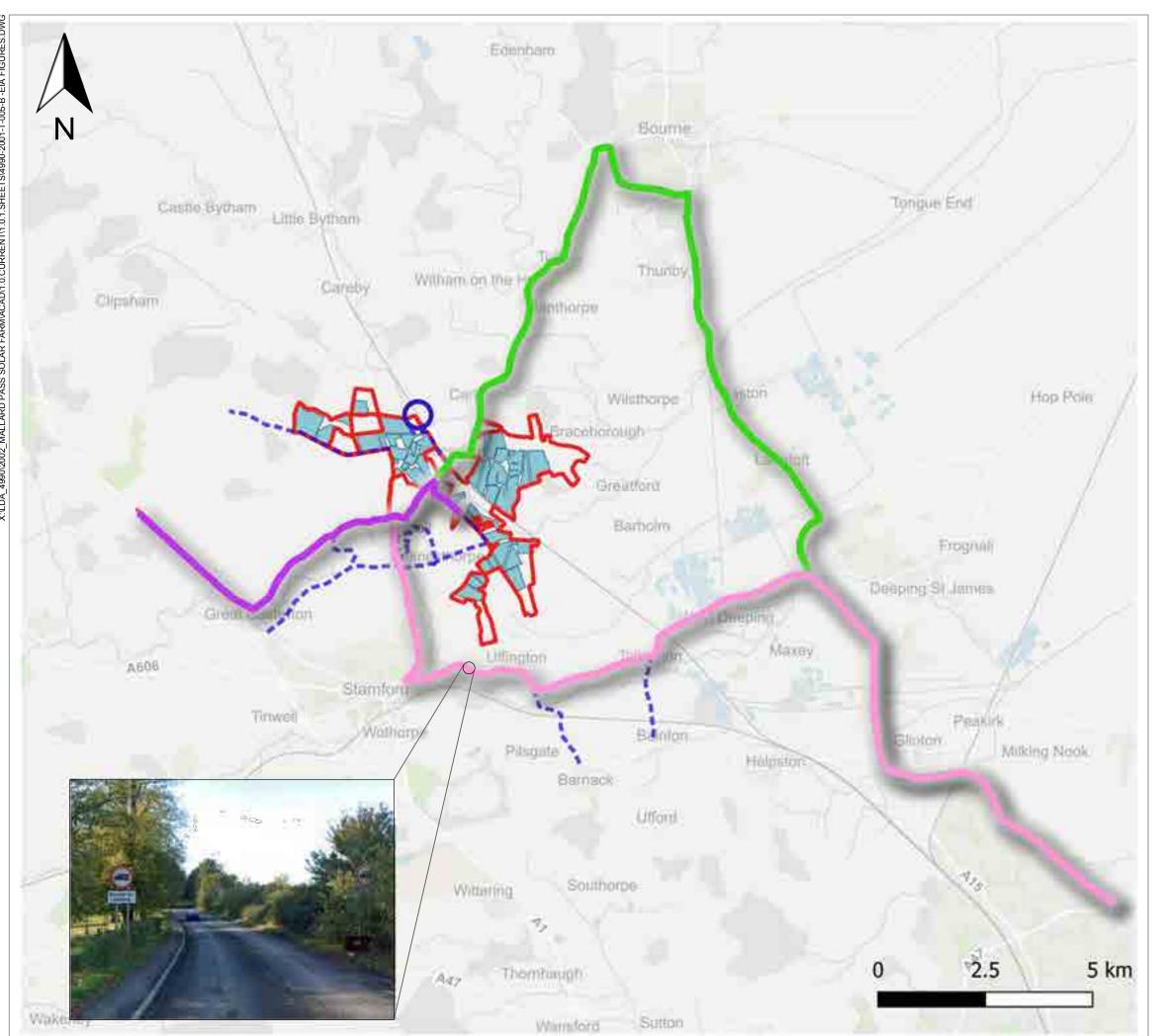
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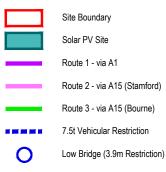
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Figure 9.1: Construction Access Routes and Vehicular Restrictions

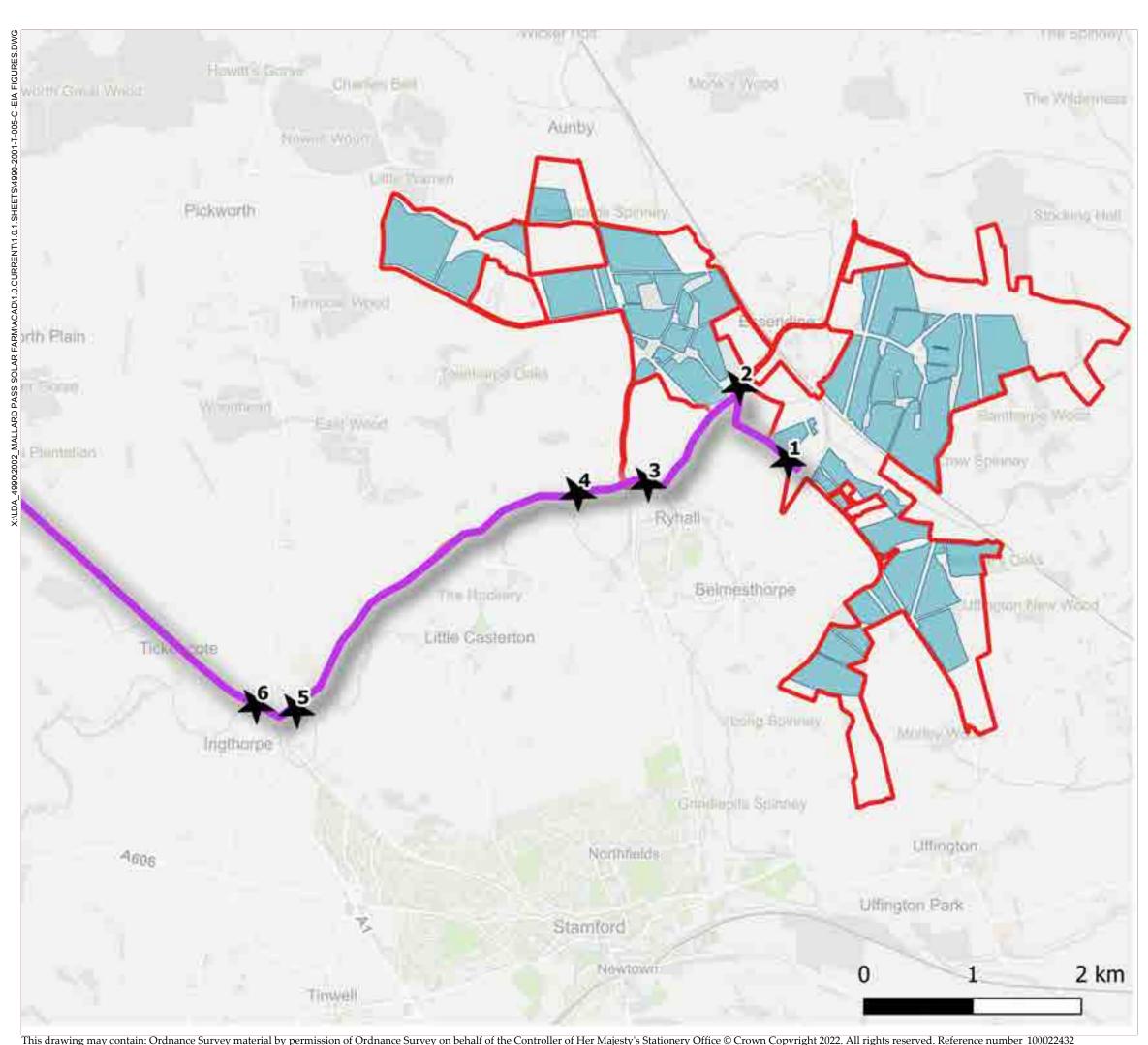
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Site Boundary
Solar PV Site
Route 1 - via A1
ATC Location

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Figure 9.2: Route 1 Traffic Data Overview

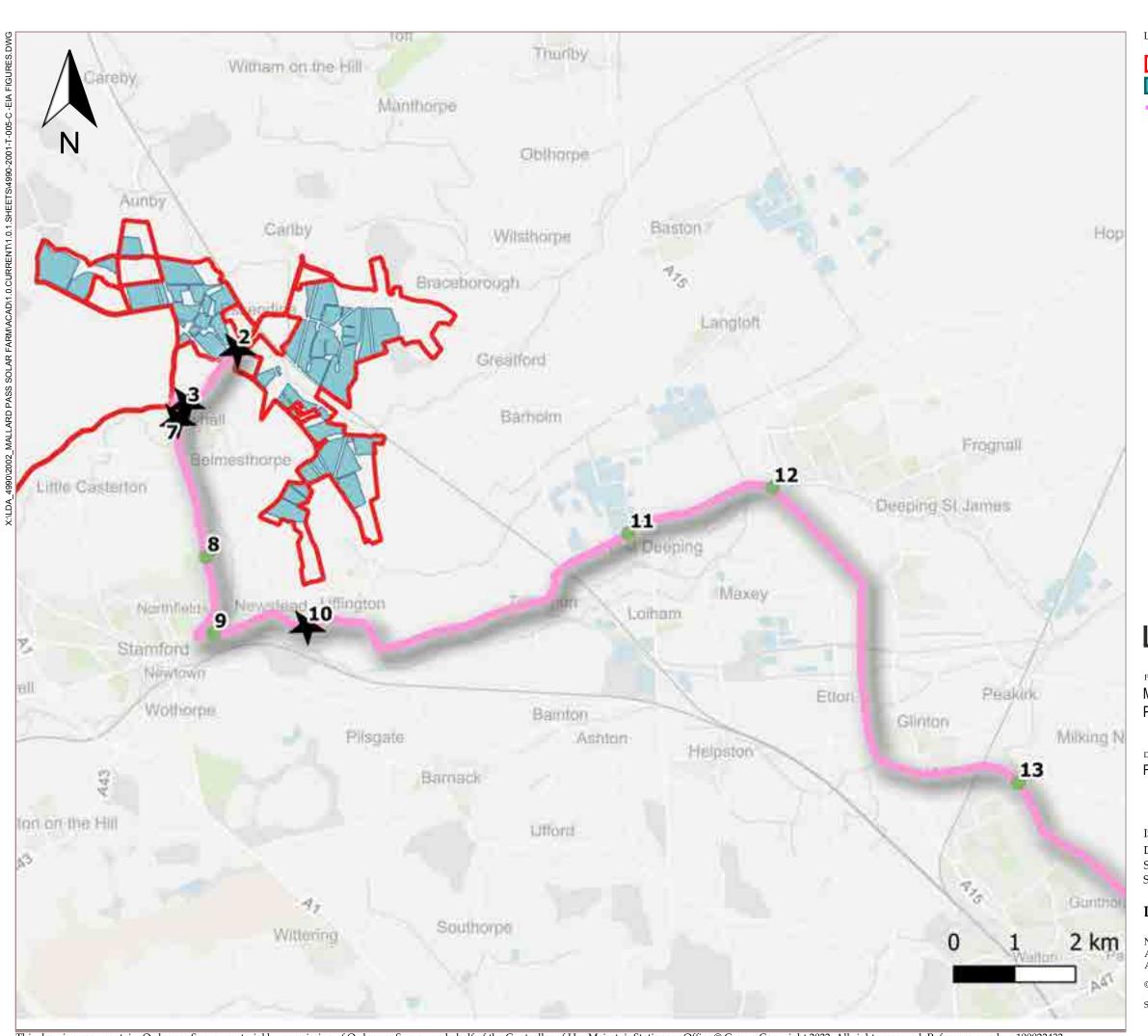
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ATC Location



DfT Count Location

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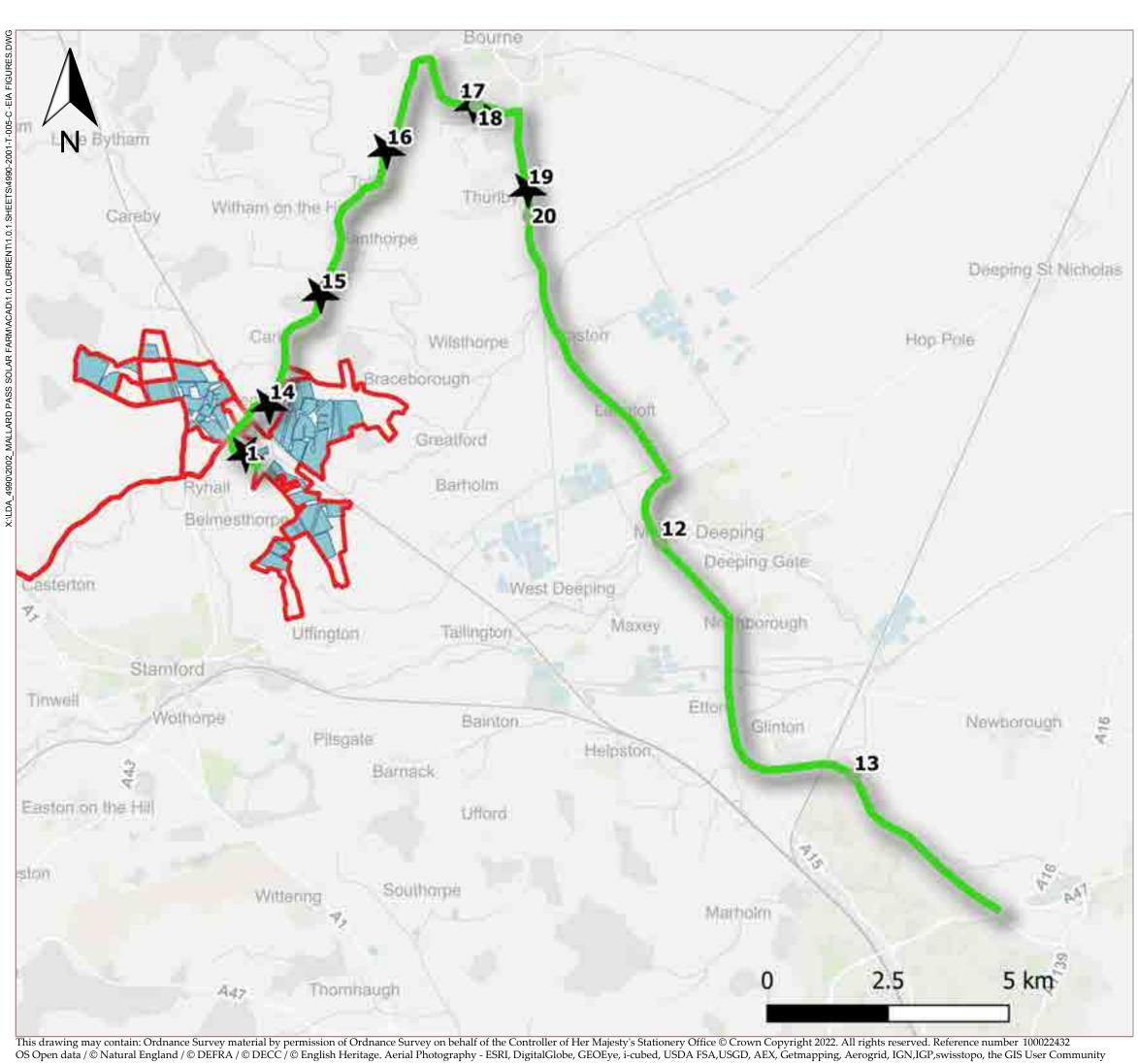
Figure 9.3: Route 2 Traffic Data Overview

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Site Boundary Solar PV Site



Route 3 - via A15 (Bourne)



ATC Location



DfT Count Location

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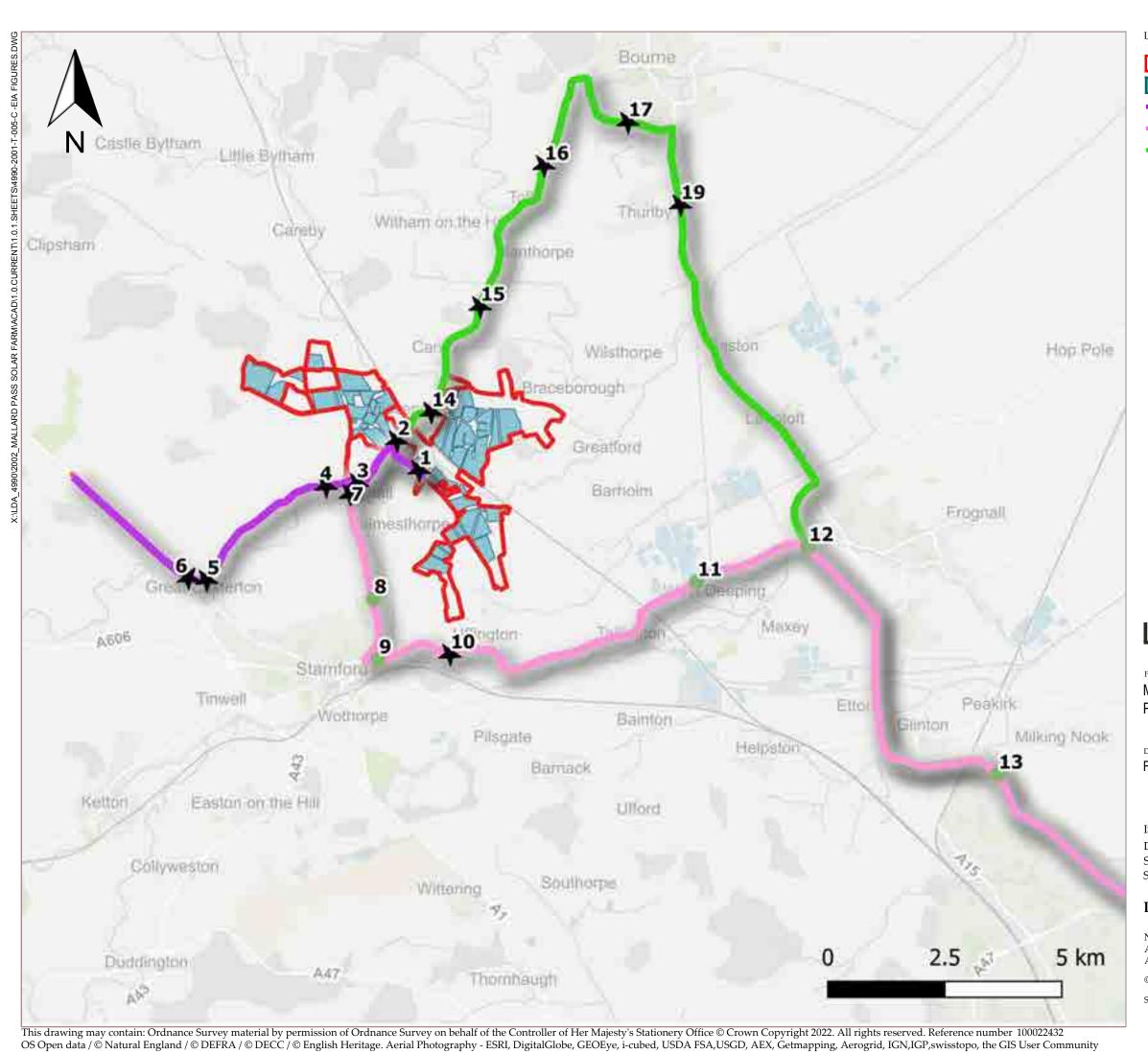
Figure 9.4: Route 3 Traffic Data Overview

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Figure 9.5: Link Overview

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