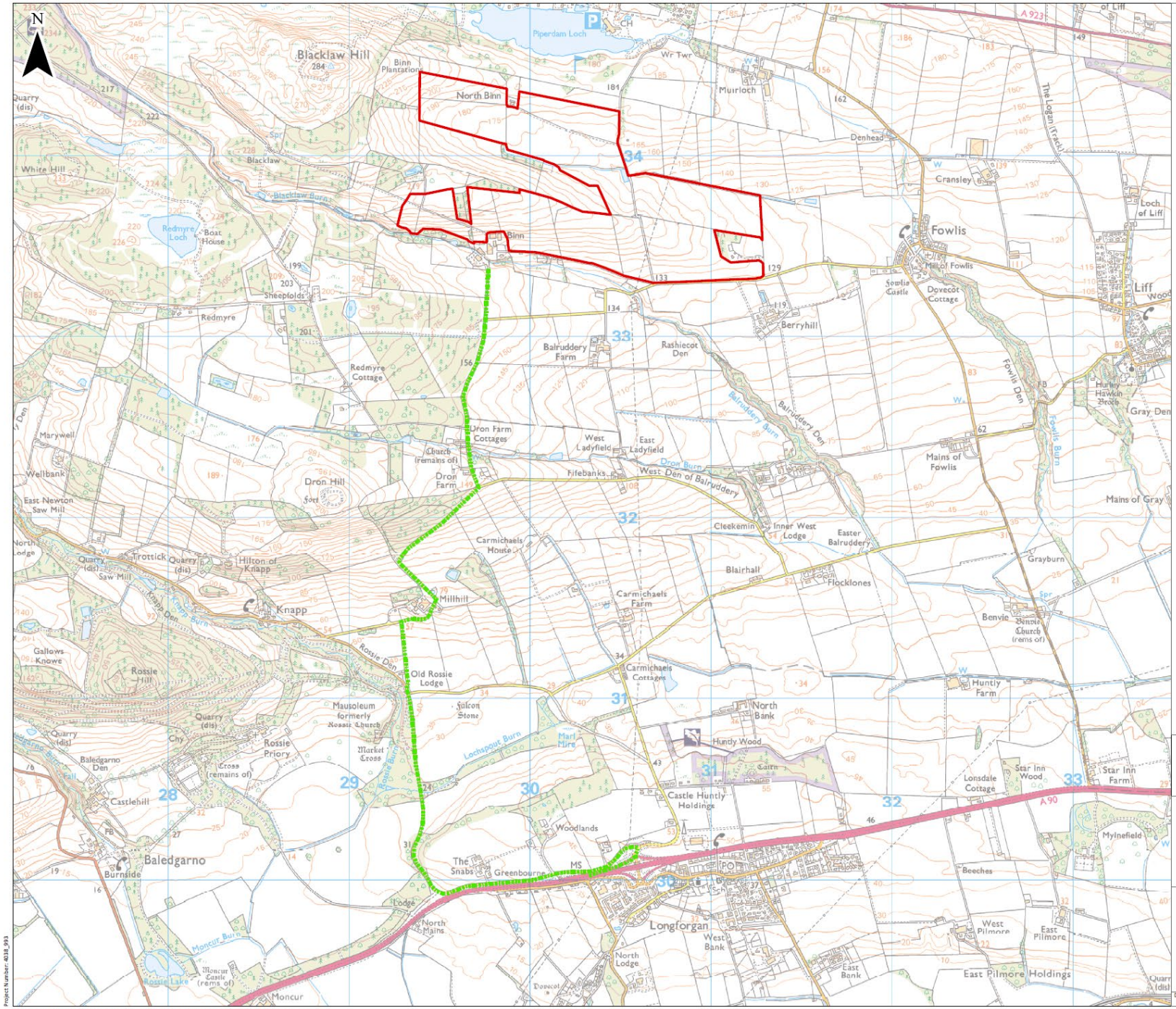
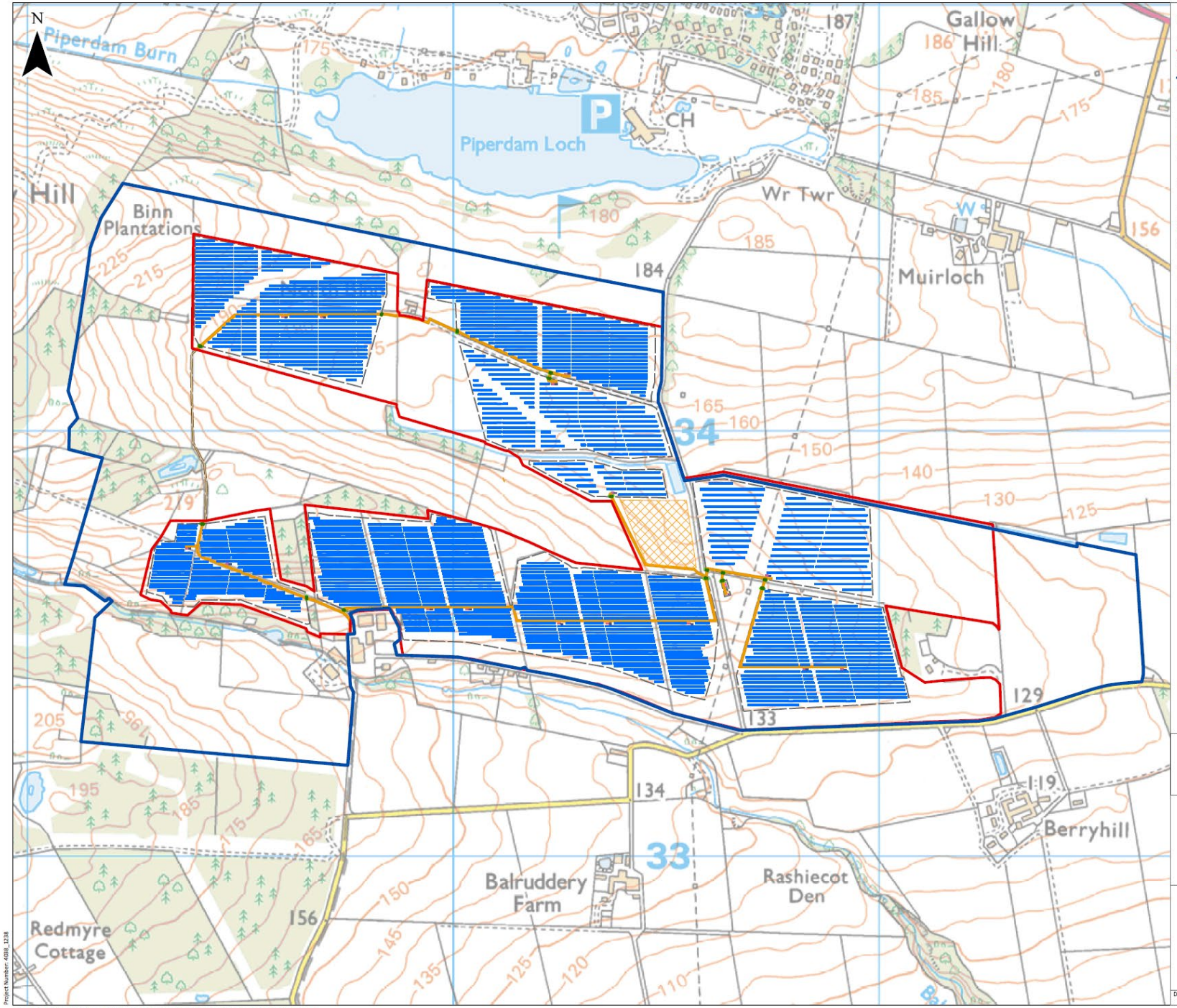
Item 7

Planning application: 21/00535/FULM

Field 300m west of Grange of Berryhill, Invergowrie

Angus Council
Comhairle Aonghais


N
Blacklaw Hill
North Binn
Binn
Fowlis
Liff
Berryhill
Balruddery Farm
Rashiecot Den
Redmyre
Redmyre Cottage
Dron Farm Cottages
Dron Farm
Dron Hill
Fifebanks
West Ladyfield
East Ladyfield
West Den of Balruddery
Balruddery Burn
Mains of Fowlis
Mains of Gray
Cleekemin
Inner West Lodge
Easter Balruddery
Carmichaels House
Blairhall
Flocklones
Grayburn
Carmichaels Farm
Millhill
Knapp
Hilton of Knapp
Trottick
Benvie
Benvie Church (rems of)
Old Rossie Lodge
Carmichaels Cottages
Huntly Farm
North Bank
Hundy Wood
Cairn
Castle Huntly Holdings
Lonsdale Cottage
Star Inn Wood
Star Inn Farm
Mylnefield
Beeches
Woodlands
The Snabs
Greenbourne
Baledgarno
Castlehill
Burnside
Rossie Priory
Mausoleum formerly Rossie Church
Falcon Stone
Market Cross
Cross (remains of)
Rossie Hill
Gallows Knowe
Baledgarno Den
Lochspout Burn
Rossie Den
Marl Mire
Longforgan
West Bank
East Bank
North Mains
North Lodge
West Pilmore
East Pilmore
East Pilmore Holdings
Moncur
Moncur Castle (rems of)
Moncur Burn
Rossie Lake
Piperdam Loch
Redmyre Loch
Blacklaw
Blacklaw Burn
Muirloch
Denhead
Cransley
Loch of Liff
Fowlis Castle
Mill of Fowlis
Dovecot Cottage
Fowlis Den
Fowlis Burn
Hurley Hawkin Brook
Gray Den
Marywell
Wellbank
East Newton Saw Mill
Quarry (dis)
Saw Mill
Trottick Burn
Trottick Den
Rossie Den
Lochspout Burn
Roggie Burn
Moncur Burn
Sheepfolds
White Hill
The Logan (Track)
A923
A90
P
CH
Wr Twr
Lodge
PO
MS
Sch
FB
Spr
Chy
Dovecot
Cairn
Tumulus
Fort
Cross (remains of)
Church (remains of)
Quarry (dis)
Saw Mill
Boat House
Sheepfolds
Lodge
Cairn
Tumulus
Dovecot



KEY

- Site Boundary
- Landownership Boundary
- Photovoltaic Panels
- Access Track
- FieldTransformer
- Inverter Station
- Substation & Office Compound
- Security Fencing
- CCTV Camera
- Entry Gates
- Existing Farm Track
- Temporary Compound Area

0 0.2 0.4 km

Scale 1:8,500 @ A3

solar2 ITPENERGISED

Berryhill Solar Farm
Supporting Environmental Information

Figure 2
Indicative Site Layout Plan (Version 3)
Historical Field Boundaries Introduced

Date:	Drawn by:	Checked by:	Version:
23/11/2021	SM	AH	V3

Project Number: 4038_1238

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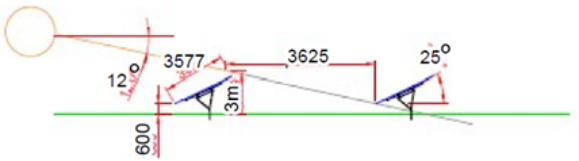
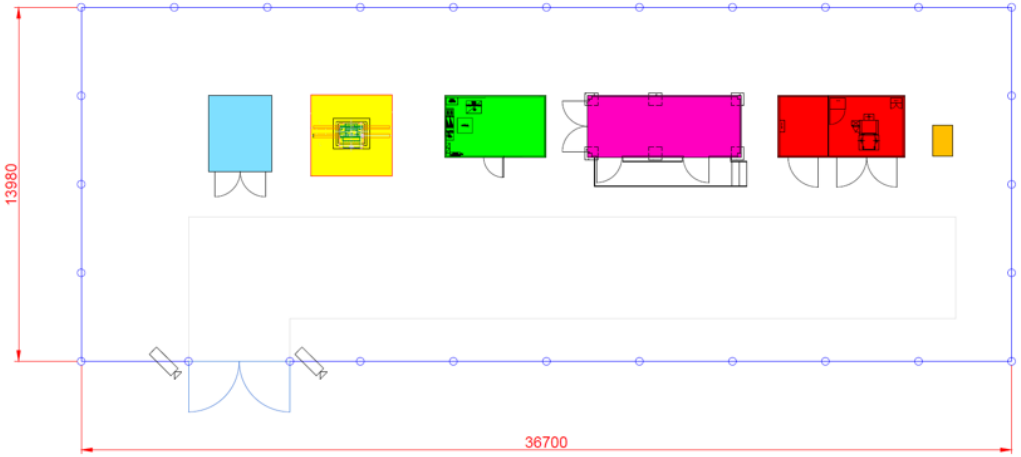
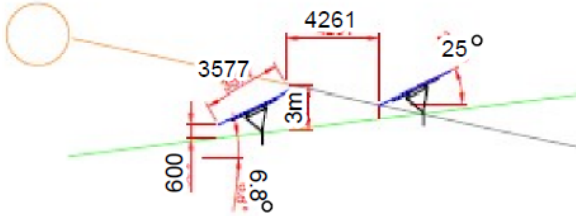
Example - Flat Field



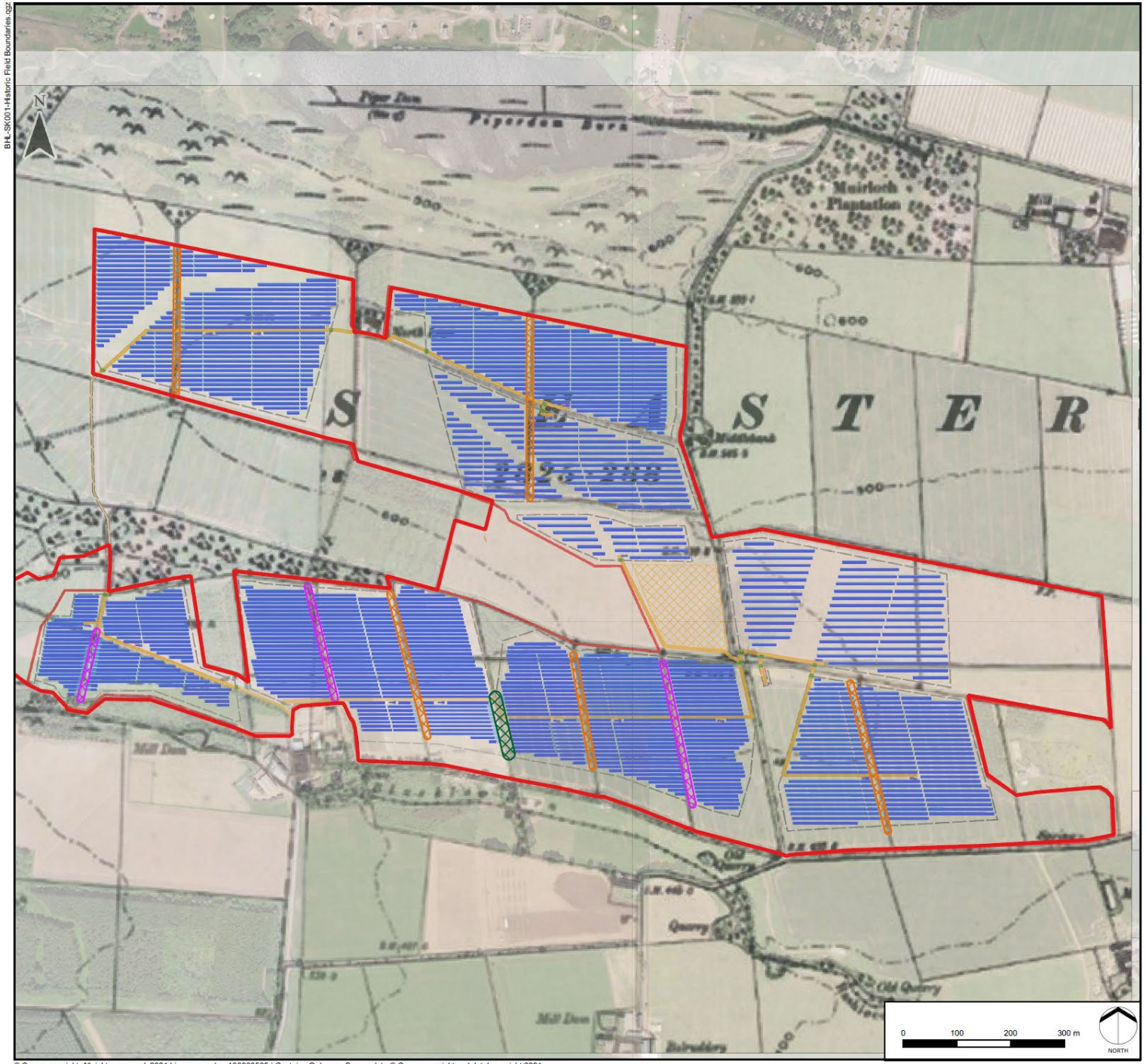
n.b: Solar modules will stand at a maximum of 3m AGL

Example - South Facing Field





BHL-SK001-Historic Field Boundaries.qgz



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Planning, Landscape & Environment

BERRYHILL SOLAR FARM

BHL-SK001

Historic Field Boundaries

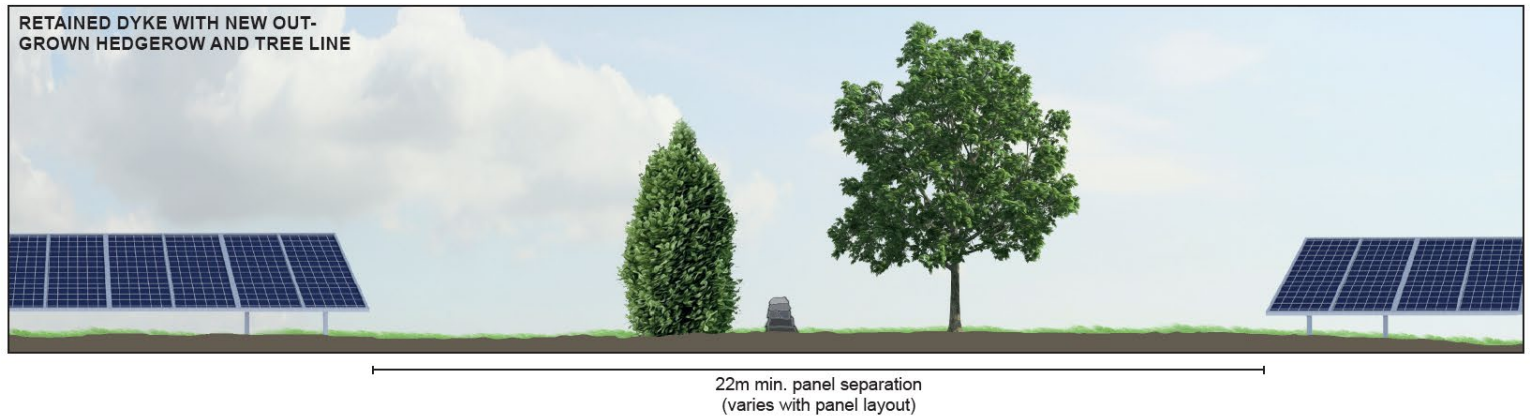
KEY

- Site Boundary
- Existing Dyke + New Outgrown Hedgerow
- Existing Dyke + New Outgrown Hedgerow and Tree Line
- New Outgrown Hedgerow

Projected Coordinate System: British National Grid

DATE	BY	PAPER	SCALE	QA	REV
DEC 2021	TD	A3	1:7,000	ME	01

BHL-SK002-Historic-Boundary-Treatments.indd



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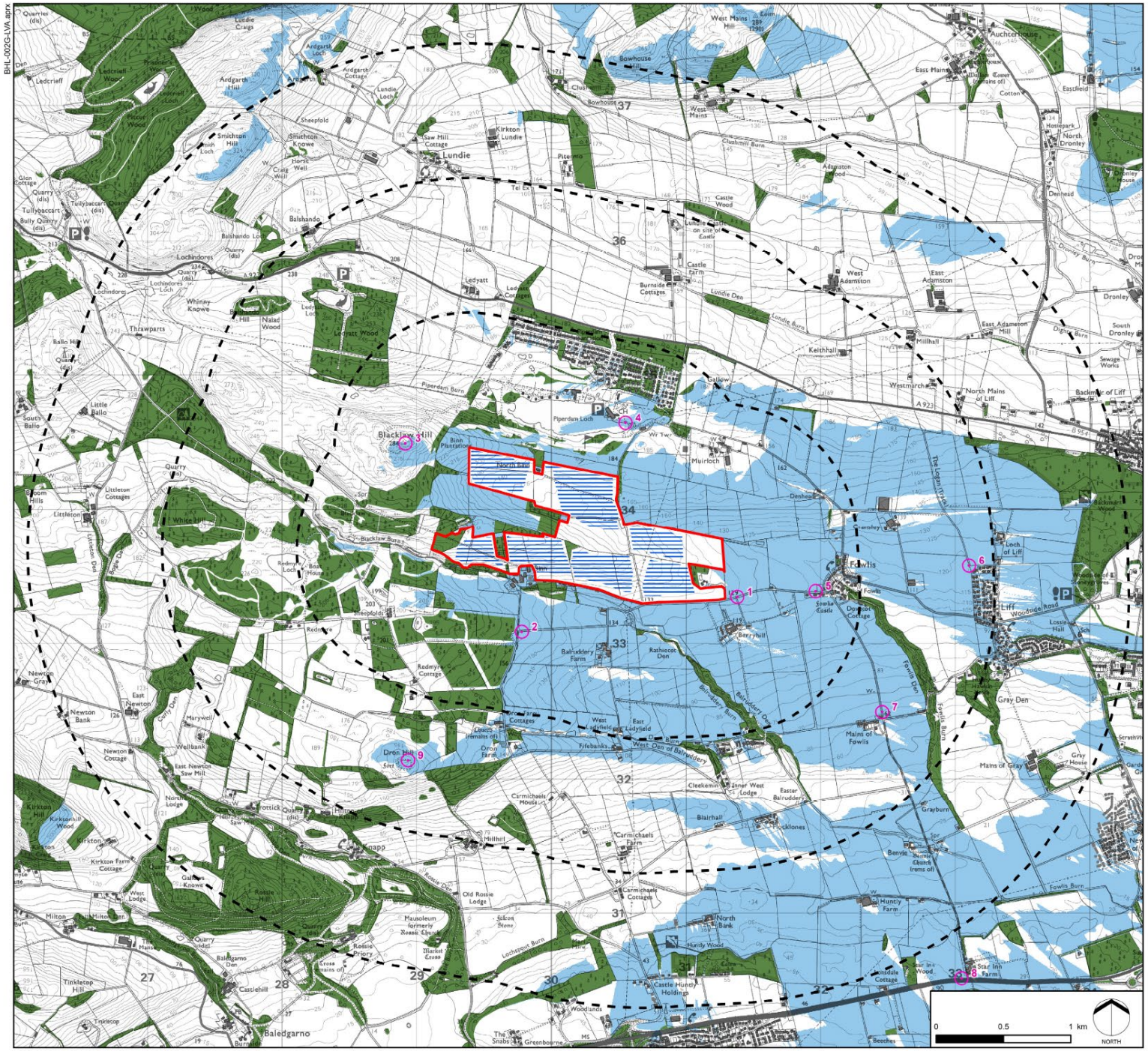
BERRYHILL SOLAR FARM

BHL-SK002

Historic Field Boundary Treatments

DATE	BY	PAPER	SCALE	QA	REV
DEC 2021	TD	A3	NTS	ME	01

BHL-002G-LVIA.aprx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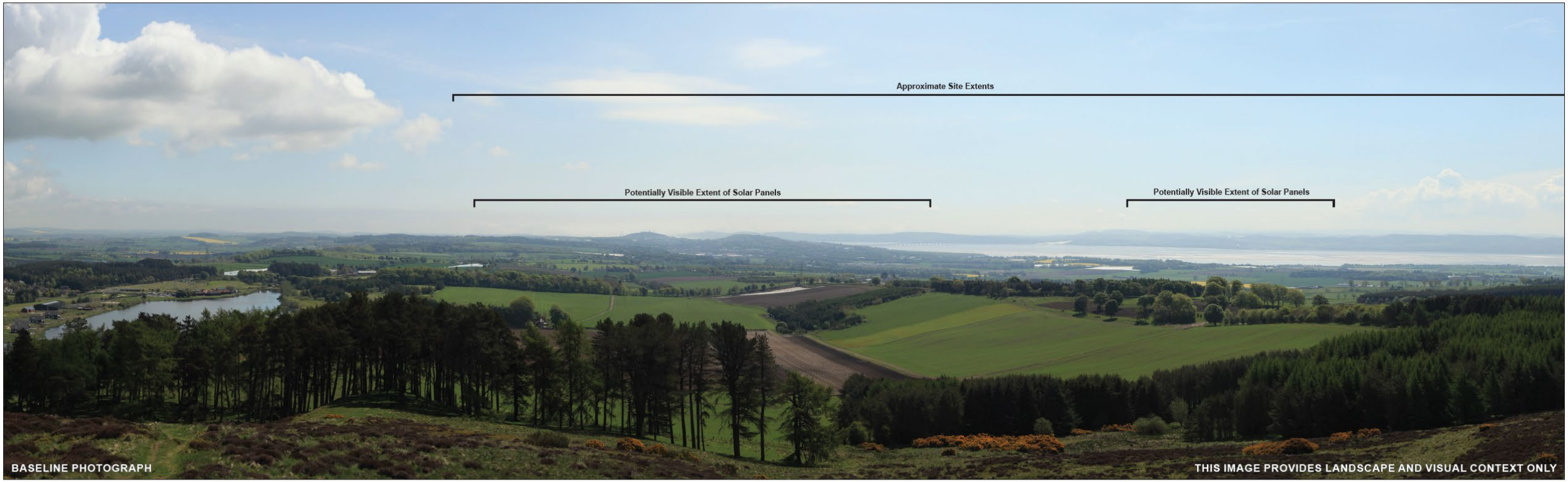
Lundie Craigs
Ardgarth Hill
Ardgarth Loch
Ledcrieff
Ledcrieff Wood
Smithton Hill
Smithton Knowe
Sheepfold
Kirkton Lundie
Saw Hill Cottage
Pitcairns
Tel Dr
Adamston Wood
West Mains Hill
Bowhouse Hill
Bowhouse
West Mains
East Mains
Auchterhouse
Eastfield
Cotton
Denhead
North Dronley
Dronley
Dronley House
Castle Wood
Lundie Castle (site of)
Castle Farm
Burnside Cottages
Lundie Den
Lundie Burn
West Adamston
East Adamston
Keithhall
Millhall
East Adamston Mill
Dronley Burn
South Dronley
Sewage Works
Backmuir of Liff
Westmarch
North Mains of Liff
Balshando
Balshando Loch
Lochindores
Lochindores Loch
Whinny Knowe
Nalad Wood
Ledyatt
Ledyatt Wood
Ledyatt Cottages
Thrawparts
Ballo Hill
Little Ballo
South Ballo
Piperdam Burn
Piperdam Loch
Blacklaw Hill
Binn Plantation
Muirloch
Deuchaes
Littleton
Littleton Cottages
Broom Hills
White Hill
Blacklaw Burn
Redmyre Loch
Boat House
Sheepfolds
Fowlis
Fowlis Castle
Dowton Cottage
Berryhill
Liff
Woodside Road
Lossie Hall
Loch of Liff
Backmuir Wood
Balruddery Farm
Rathiecoat Den
Balruddery Burn
Balruddery Den
Redmyre Cottage
Newton Grays
East Newton
Newton Bank
Newton Cottage
Marywell
Wellbank
East Newton Saw Mill
West Ladyfield
East Ladyfield
Dron Farm
Dron Hill
Fifebanks
West Den of Balruddery
Fowlis Den
Fowlis Burn
Gray Den
Mains of Fowlis
Mains of Gray
Gray House
Carmichaels House
Cleekemin
Inner West Lodge
Easter Balruddery
Blairhall
Grayburn
Hecklones
Benvie
Benvie Church (remains of)
Carmichaels Farm
Carmichaels Cottages
Huntly Farm
North Bank
Huntly Wood
Fowlis Burn
Kirkton Hill
Kirkton
Kirkton Farm Cottage
Kirkton Quarry (dis)
Frottick Quarry (dis)
Frottick
Milton
Milton Burn
West Lodge
Old Rossie Lodge
Rossie Hill
Rossie Priory
Mausoleum formerly Rossie Church
Market Cross
Sculptured Stone
Lochmylne Burn
Castlehill
Baledgarno
Baledgarno Den
Tinklerop Hill
Tinklerop
Castle Huntly Holdings
Woodlands
The Snabs
Greenbourne
Beeches
Star Inn Farm
Star Inn Wood
Broadsdale Cottage
Lossie Hall
Loch of Liff
Backmuir Wood
Dronley House
Sewage Works
Dronley Burn
Digmire Burn
Fowlis Burn
Gray Den
Mains of Gray
Gray House
Fowlis Den
Fowlis Burn
Balruddery Burn
Balruddery Den
Redmyre Cottage
Redmyre Loch
Boat House
Sheepfolds
Littleton Cottages
Littleton
Broom Hills
White Hill
Blacklaw Burn
Piperdam Loch
Piperdam Burn
Binn Plantation
Muirloch
Deuchaes
Ledyatt Cottages
Ledyatt Wood
Ledyatt
Thrawparts
Ballo Hill
Little Ballo
South Ballo
Lochindores Loch
Lochindores
Whinny Knowe
Nalad Wood
Balshando Loch
Balshando
Lundie Craigs
Ardgarth Loch
Ardgarth Hill
Ardgarth Cottage
Lundie Loch
Sheepfold
Smithton Knowe
Smithton Hill
Horse Well
Craig Well



Date June 2020	By RF
Image Size 820 x 250mm	QA YY
Paper Size 840 x 297mm	Rev -
BHL-007C-Photosheets	

Notes:
1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only.
2) This data has been output directly from the wireline model. It ignores screening effects of woodland and other intervening objects.
3) All directions given as bearings relative to Grid North (BNG).
4) Location map scale: 1:25,000

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Viewpoint Information:

Grid Reference:	328915E 734493N
Horizontal Field of View:	90°
Vertical Field of View:	26.9°
Viewing Distance:	522mm

Photography Information:

Camera:	Canon EOS 5D MkII
Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	28/05/2021
Photography Time:	12:00

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Planning, Landscape & Environment

Berry Hil Solar Farm

Viewpoint 3: Blacklaw Hill
PHOTOSHEET (Type 1)

Date June 2020	By RF
Image Size 820 x 250mm	CA YY
Paper Size 840 x 297mm	Rev -
BHL-007G-Photosheets	

Notes:

1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only.
2) The data has been output directly from the wireline model. It ignores screening effects of woodland and other intervening objects.
3) All directions given as bearings relative to Grid North (BNG).
4) Location map scale: 1:25,000.

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Viewpoint Information:

Grid Reference:	328935E 732140N
Horizontal Field of View:	90°
Vertical Field of View:	26.9°
Viewing Distance:	522mm

Photography Information:

Camera:	Canon EOS 5D MkII
Lens:	50mm Fixed Focal Length
Camera Height:	1.6m
Photography Date:	18/05/2021
Photography Time:	14:07

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Berry Hil Solar Farm

Viewpoint 9: Dron Hill
PHOTOSHEET (Type 1)

Date June 2020	By RF
Image Size 820 x 250mm	QA YY
Paper Size 840 x 297mm	Rev -
SHL-007G-Photosheets	

Notes:

1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only.
2) This data has been output directly from the wireline model. It ignores screening effects of woodland and other intervening objects.
3) All directions given as bearings relative to Grid North (GNG).
4) Location map scale: 1:25,000

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Viewpoint information:

Grid Reference:	333046E 730517N
Horizontal Field of View:	90°
Vertical Field of View:	26.9°
Viewing Distance:	522mm

Photography information:

Camera:	Canon EOS 5D Mk II
Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	18/05/2021
Photography Time:	11:20

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Viewpoint 8: A90 at Star Inn
PHOTOSHEET (Type 1)

Date	By
May 2021	GB
Image Size	CA
920 x 255mm	DT
Paper Size	Rev
840 x 297mm	-
BHL-004G-Exhibition-Montages-banner	

Viewpoint Information:

Grid Reference:	331462E 733391N
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Horizontal Field of View:	90°
Vertical Field of View:	27°
Viewing Distance:	522mm

Photography Information:

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Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	18/05/2021
Photography Time:	10:01
Enlargement Factor:	approx. 96%

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Planning, Landscape & Environment

Berryhill Solar Farm

Viewpoint 5: Fowlis
PHOTOMONTAGE (type 4)

Date June 2020	By RF
Image Size 820 x 250mm	QA YY
Paper Size 840 x 297mm	Rev -
BHL-007G-Photosheets	

Notes:

1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only.
2) This data has been output directly from the wireline model. It ignores screening effects of woodland and other intervening objects.
3) All directions given as bearings relative to Grid North (GNG).
4) Location map scale: 1:25,000.

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Viewpoint information:	
Grid Reference:	330560E 734646N
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Vertical Field of View:	26.9°
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Photography information:	
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Photography Date:	18/05/2021
Photography Time:	15:17

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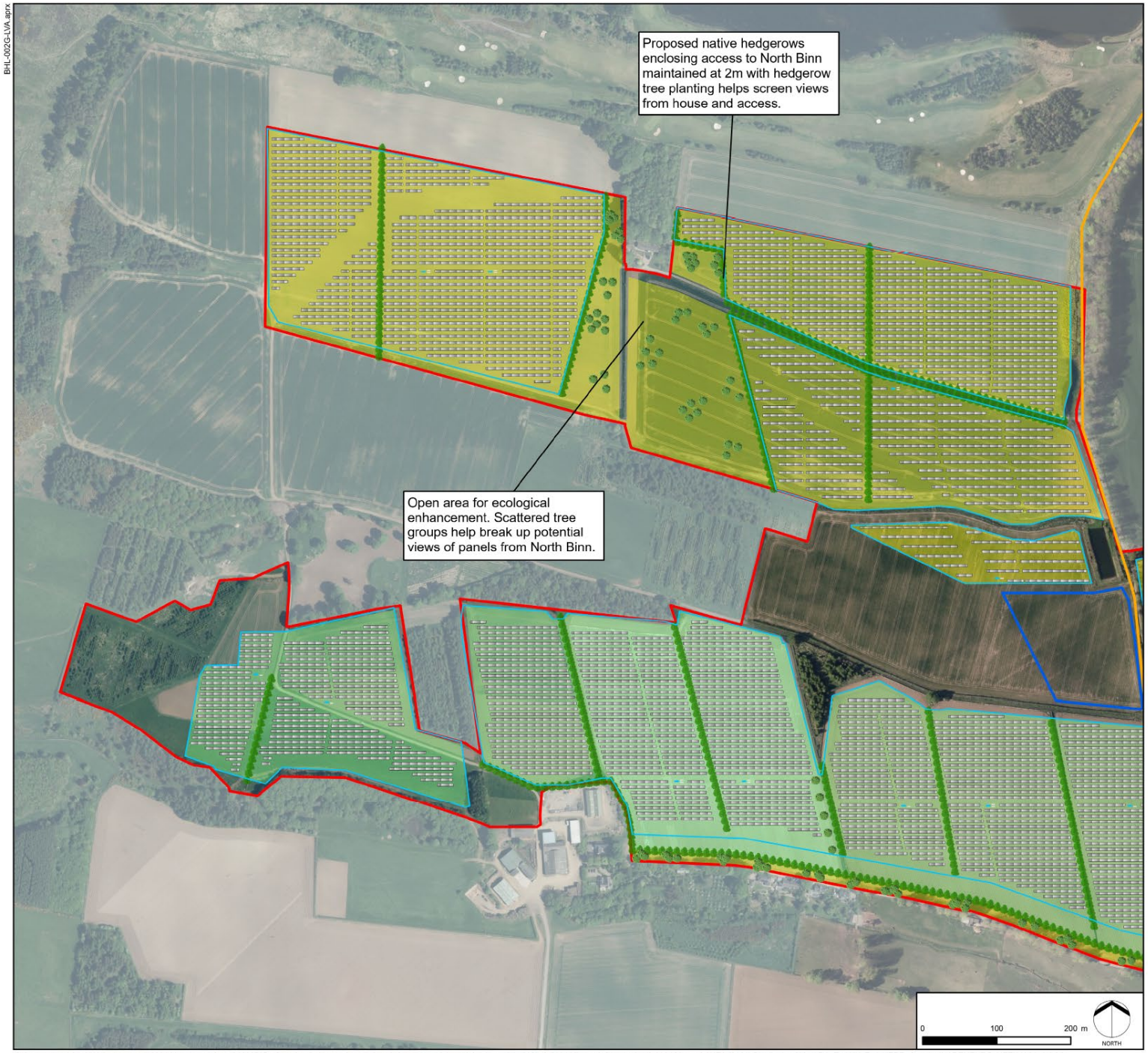
Berry Hil Solar Farm

Viewpoint 4: Piperdam
PHOTOSHEET (Type 1)

BHL-002G-LVA.aprx



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BERRYHILL SOLAR

FIGURE 4a

Landscape Mitigation Plan

KEY

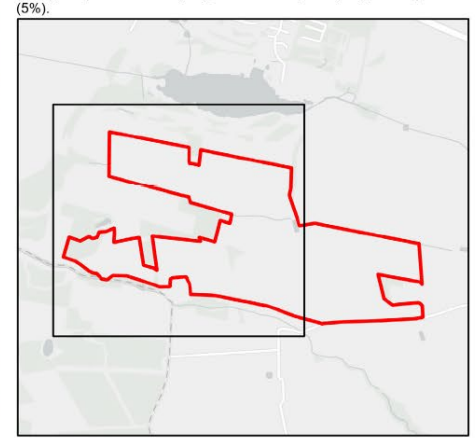
- Proposed Site Boundary
- Proposed Fencing
- Proposed Solar Panels
- Proposed Mitigation Hedgerow Planting
- Proposed Mitigation Individual Tree Planting
- Proposed Wildflower Seeding
- Proposed Improved Grassland
- Temporary Compound
- Core Path 215

MITIGATION PLANTING:

Mixed native hedgerows:
Hawthorn based mix comprising the following indicative species – Crataegus monogyna (60%), Prunus spinosa (15%), Carpinus betulus (5%), Corylus avellana (5%), Ilex aquifolium (5%), Viburnum opulus (5%), Rosa canina (5%).

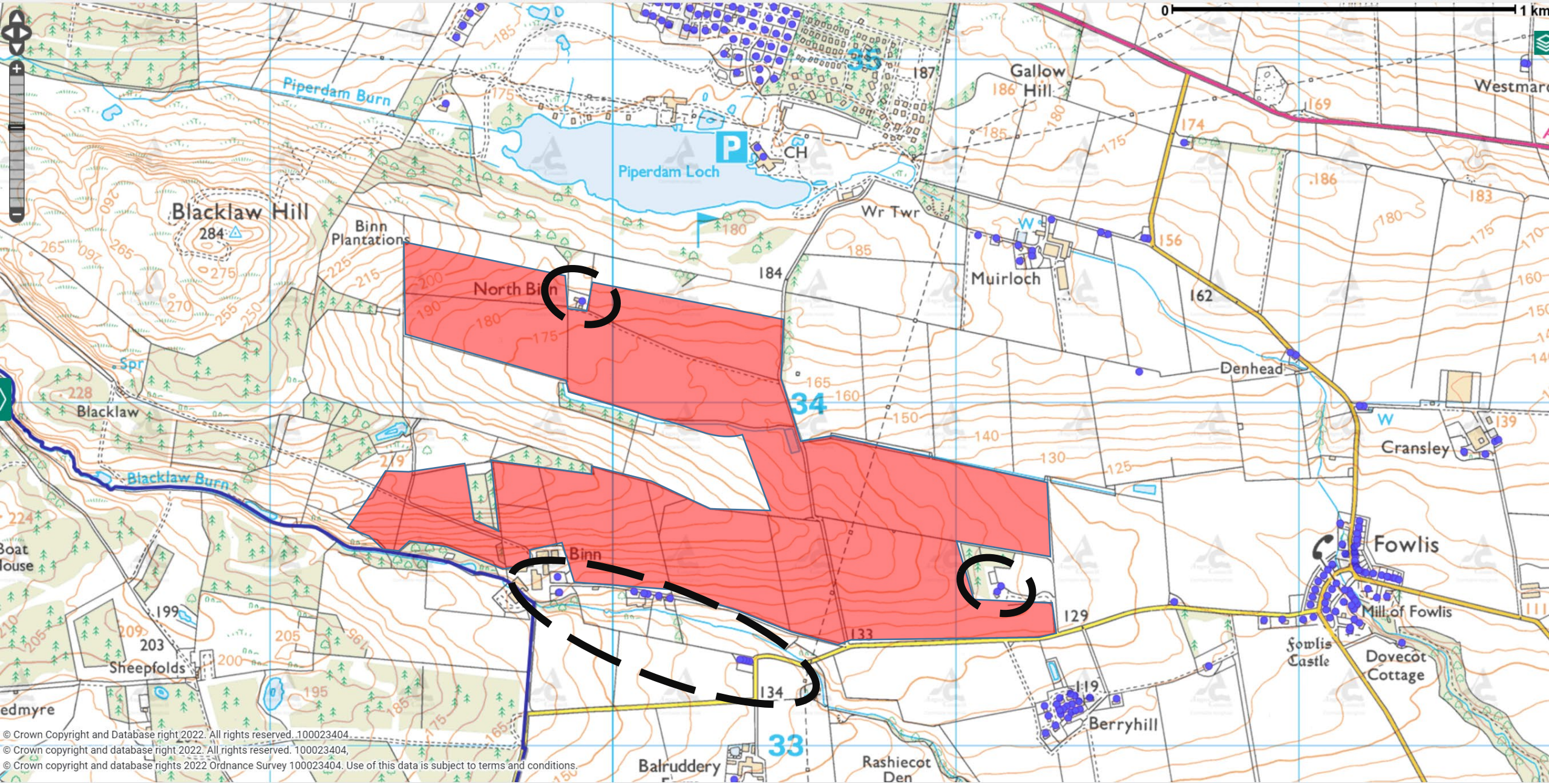
Hedgerow trees/individual trees:
Standard trees planted within hedgerows - random spacing between 5-15m at a rate of 10 trees per 100m. Individual trees planted in groups of 3 or 5 at 5-10m centres.
Indicative species to include – Fagus sylvatica (50%), Tilia cordata (40%), Quercus robur (10%), Carpinus betulus (10%).

Mixed native woodland:
Indicative species to include - Quercus robur (20%), Betula pubescens (20%), Alnus glutinosa (20%), Corylus avellana (15%), Pinus sylvestris (10%), Carpinus betulus (5%), Sorbus aucuparia (5%), Ilex aquifolium (5%).



Projected Coordinate System: British National Grid

DATE	BY	PAPER	SCALE	QA	REV
DEC 2021	RF/MP	A3	1:5,000	ME	A



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Date	By
Jan 2022	SB
Image Size	QA
820 x 251mm	DT
Paper Size	Rev
840 x 297mm	-

BHL-012G-Revised-Montage-Jan-2022

Viewpoint Information:

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Horizontal Field of View:	90°
Vertical Field of View:	27°
Viewing Distance:	532mm

Photography Information:

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Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	18/05/2021
Photography Time:	09:30
Enlargement Factor:	approx. 96%

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Berryhill Solar Farm

Viewpoint 2a: Minor road south of Site
PHOTOMONTAGE (type 4)

Date	By
Jan 2022	SB
Image Size	QA
820 x 251mm	DT
Paper Size	

Viewpoint Information:

Grid Reference:	329780E 733089N
Ground Height:	162.98m AOD
Direction of Centre of View: °	38.40°
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Vertical Field of View:	27°
Viewing Distance:	522mm

Photography Information:

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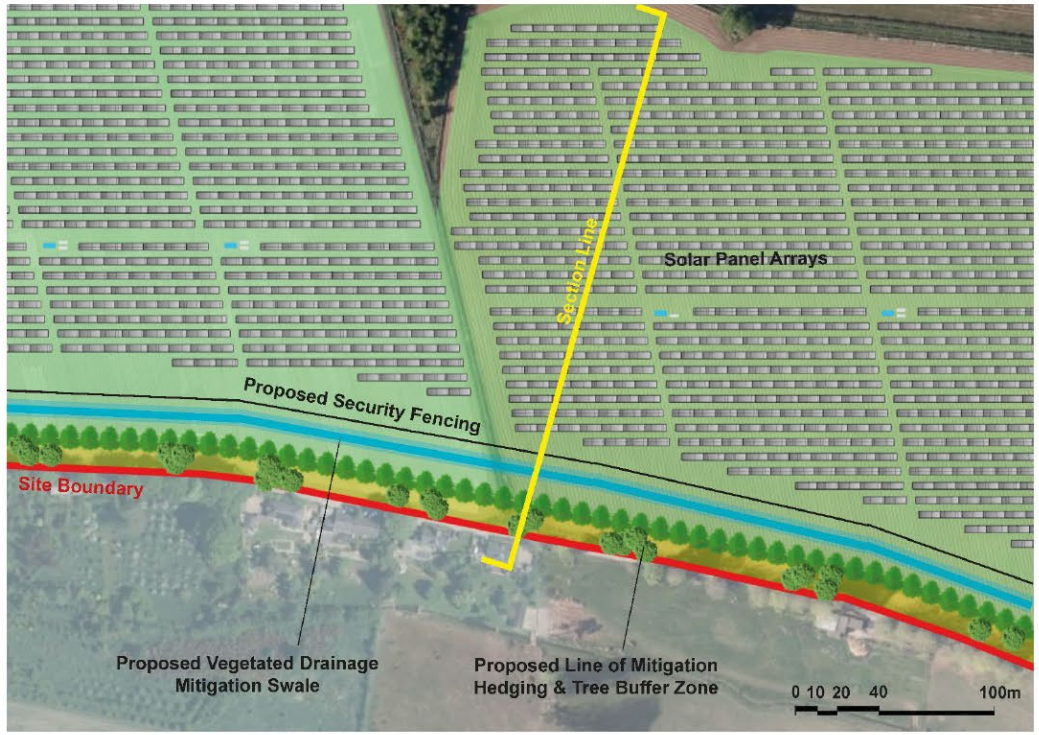
Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	18/05/2021
Photography Time:	09:30
Enlargement Factor:	approx. 96%

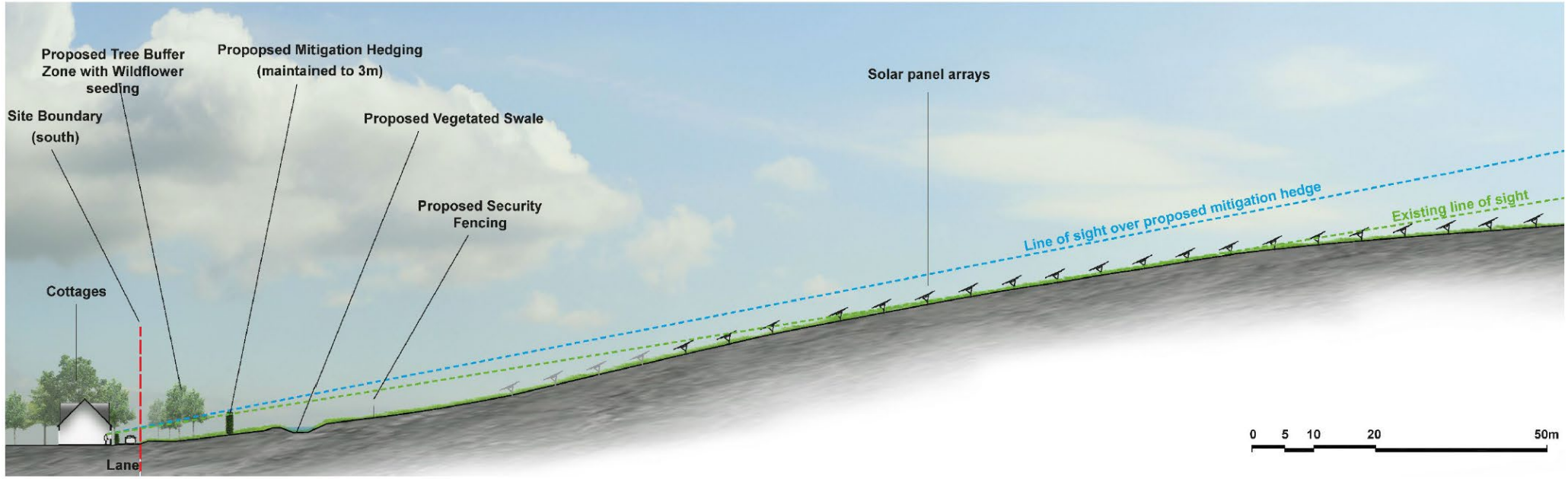
Berryhill Solar Farm

Viewpoint 2b: Minor road south of Site
PHOTOMONTAGE (type 4)

Aerial
United Kingdom • Scotland • Angus
Feedback
200 feet
50 m
Image courtesy of Ordnance Survey

RVAA Figure 2: Binns Cottages





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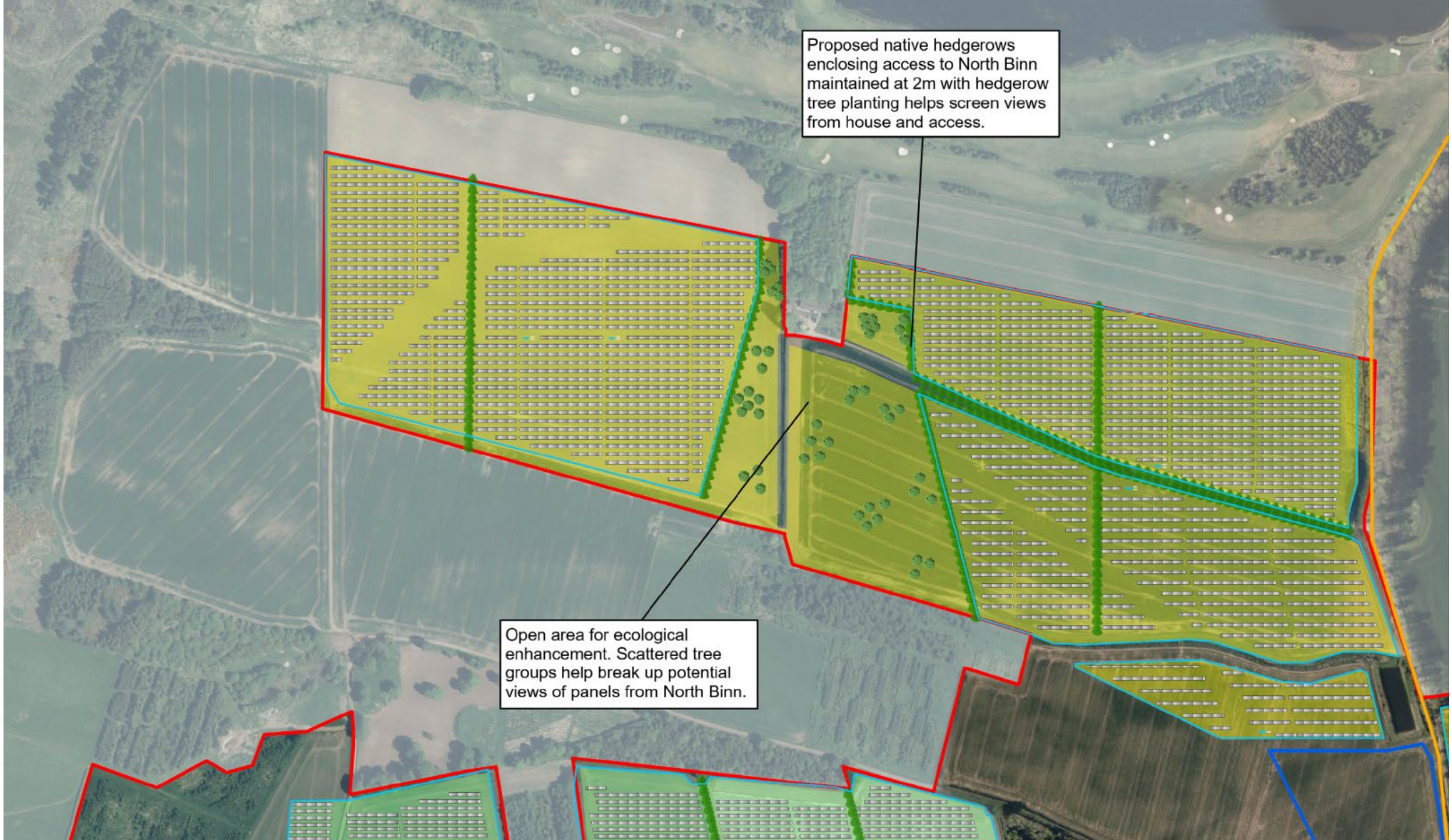
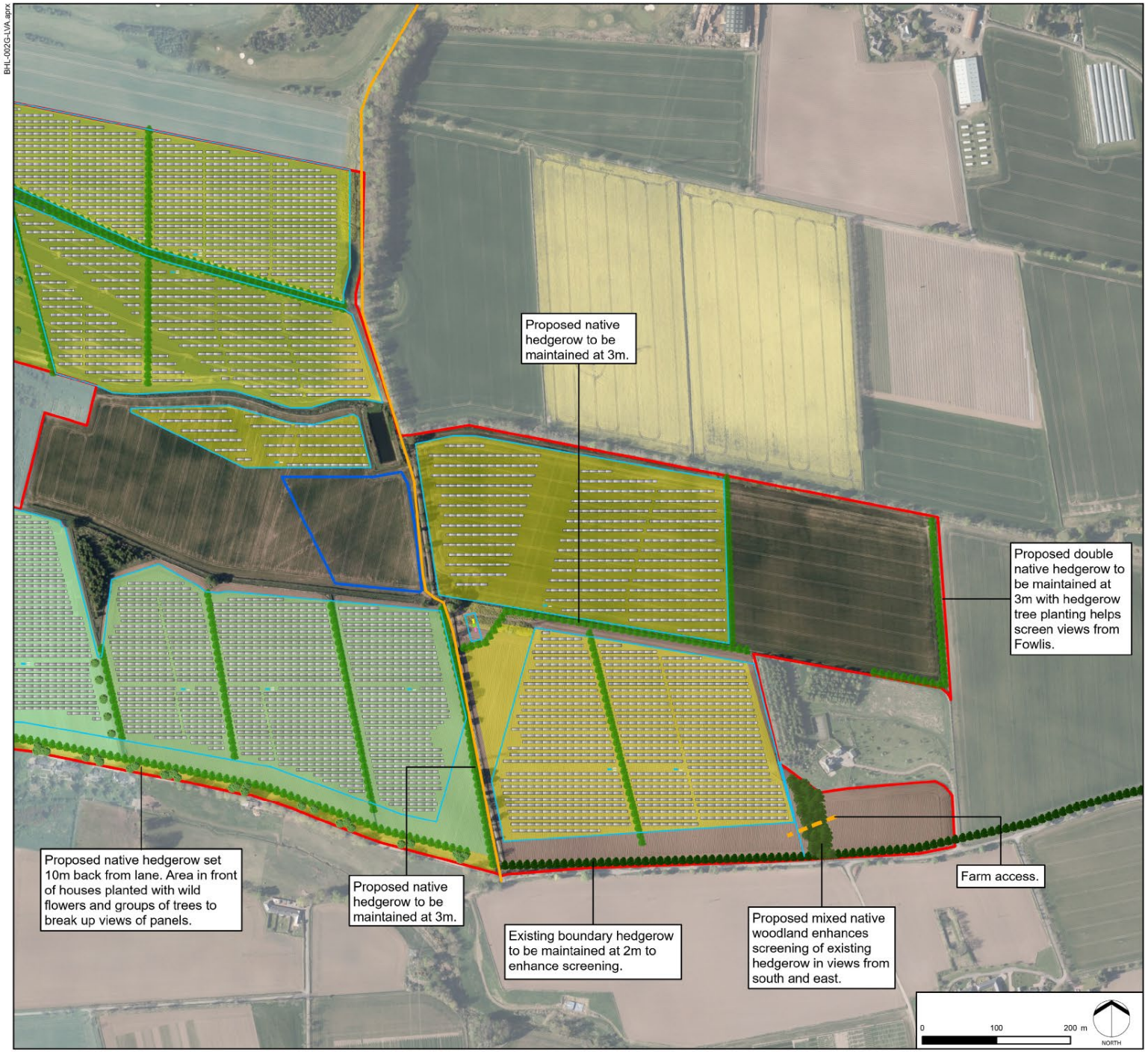
Aerial
United Kingdom • Scotland • Angus
Feedback
200 feet
50 m
Image courtesy of Ordnance Survey


Proposed native hedgerows enclosing access to North Binn maintained at 2m with hedgerow tree planting helps screen views from house and access.
Open area for ecological enhancement. Scattered tree groups help break up potential views of panels from North Binn.



BHL-002G-LVA.aprx

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Planning, Landscape & Environment

BERRYHILL SOLAR

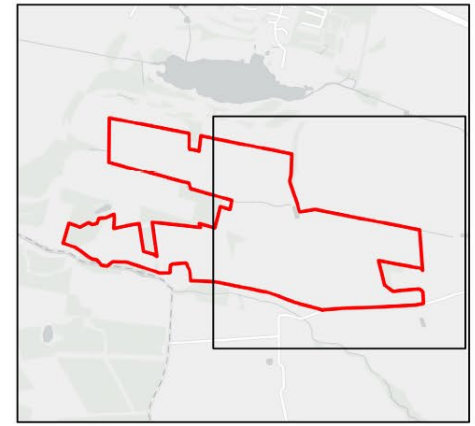
FIGURE 4b

Landscape Mitigation Plan

KEY

- Proposed Site Boundary
- Proposed Fencing
- Proposed Solar Panels
- Proposed Mitigation Hedgerow Planting
- Existing Hedgerow
- Proposed Mitigation Woodland Planting
- Proposed Wildflower Seeding
- Proposed Improved Grassland
- Temporary Compound
- Core Path 215
- Farm Access

MITIGATION PLANTING SPECIES AS NOTED ON FIGURE 4A



Projected Coordinate System: British National Grid

DATE	BY	PAPER	SCALE	QA	REV
DEC 2021	RF/MP	A3	1:5,000	ME	A

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Date June 2020	By RF
Image Size 820 x 250mm	QA YY
Paper Size 840 x 297mm	Rev -
BHL-007G-Photosheets	

Notes:

1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only.
2) The data has been output directly from the wireline model. It ignores screening effects of woodland and other intervening objects.
3) All directions given as bearings relative to Grid North (BNG).
4) Location map scale: 1:25,000.

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Viewpoint information:

Grid Reference:	331380E 733348N
Horizontal Field of View:	90°
Vertical Field of View:	26.9°
Viewing Distance:	522mm

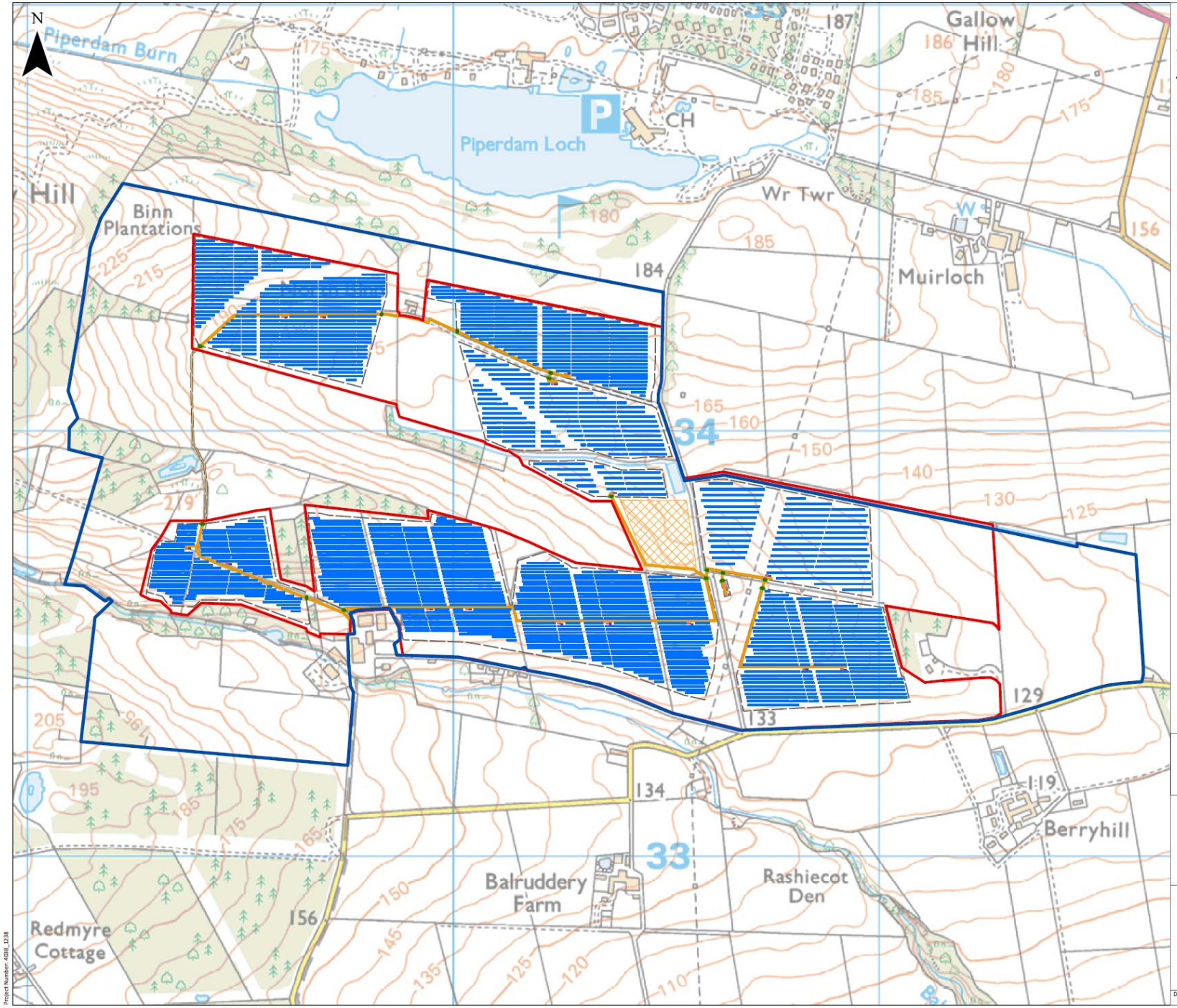
Photography information:

Camera:	Canon EOS 5D MkII
Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	18/05/2021
Photography Time:	13:38

STEPHENSON HALLIDAY
Planning, Landscape & Environment

Berry Hil Solar Farm

Viewpoint 1: Berryhill
PHOTOSHEET (Type 1)



KEY

- Site Boundary
- Landownership Boundary
- Photovoltaic Panels
- Access Track
- FieldTransformer
- Inverter Station
- Substation & Office Compound
- Security Fencing
- CCTV Camera
- Entry Gates
- Existing Farm Track
- Temporary Compound Area

0 0.2 0.4 km

Scale 1:8,500 @ A3

solar2 ITPENERGISED

Berryhill Solar Farm
Supporting Environmental Information

Figure 2
Indicative Site Layout Plan (Version 3)
Historical Field Boundaries Introduced

Date:	Drawn by:	Checked by:	Version:
23/11/2021	SM	AH	V3

Project Number: 4038_1238

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