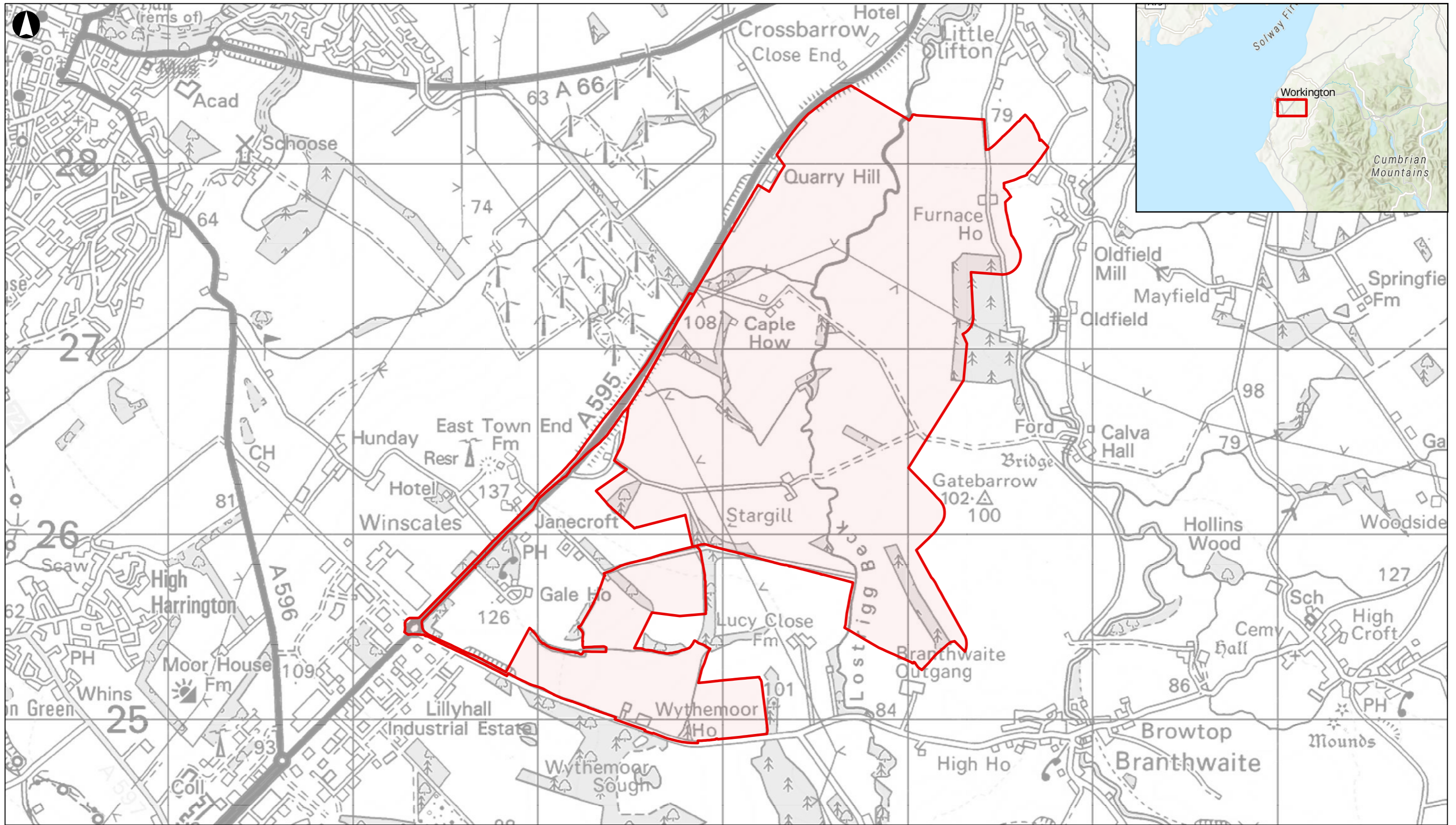



RWE

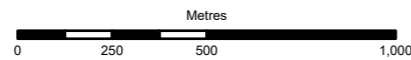
Lostrigg Solar EIA Scoping Report - Figures

June 2024

RWE Aktiengesellschaft
RWE Platz 1
45141 Essen, Germany
Germany
www.rwe.com



Legend
 draft Order Limits



Coordinate System: British National Grid

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 METI/NASA, USGS, Esri, CGIAR, USGS

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Rev	Date	By	Chkd	Appd	Authd

Client



Project Name

Lostrigg Solar

Drawing Title

Figure 2.1 Draft Order Limits

Scale at A3

1:20,000

Role

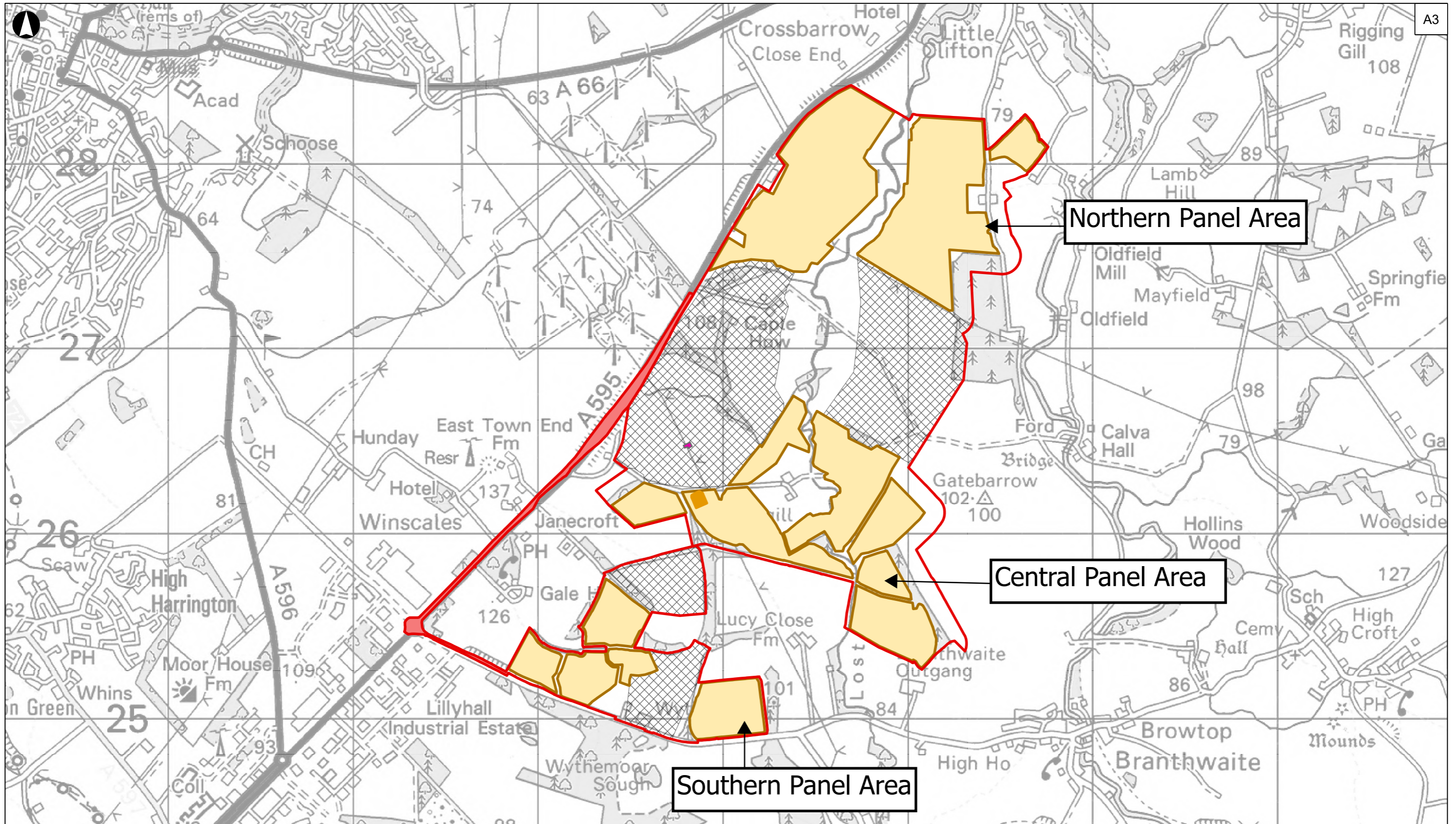
Scoping Report

Suitability
Issued

Project Number
300884-00

Rev
P01

Drawing Number
LSF-SR02-00001



Legend

- Draft Order Limits
- Panel Areas
- Fenceline
- Substation
- Point of connection to existing network
- On road cable route option
- Areas Of Search For Cable Routes

Metres

Coordinate System: British National Grid

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Client

Project Name
Lostrigg Solar

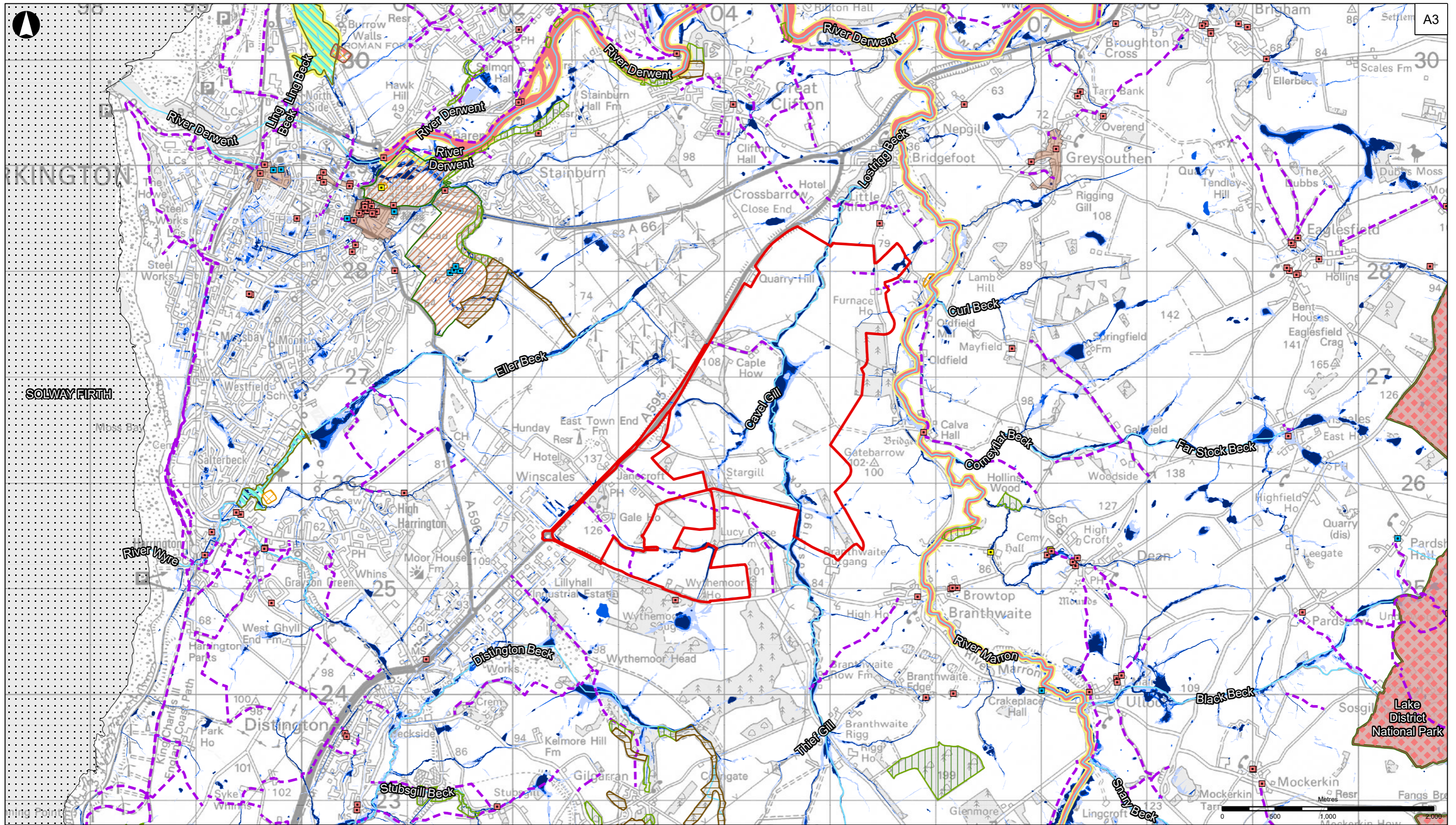
Drawing Title
Figure 2.2 Indicative scheme arrangement

Scale at A3
1:20,000

Role
Scoping Report

Suitability
Issued

Project Number 300884-00	Rev P01
Drawing Number LSF-SR02-00002	



- Legend**
- draft Order Limits
 - PRoW
 - Listed Buildings (Grade)
 - I
 - II*
 - II
 - Scheduled Monuments
 - Conservation Areas
 - World Heritage Sites

- Ancient & Semi-Natural Woodland
- Ancient Replanted Woodland
- Watercourses
- National Parks
- Local Nature Reserves (LNR)
- Registered Parks and Gardens

- Special Protection Areas (SPA)
- Special Areas Of Conservation (SAC)
- Sites Of Special Scientific Interest (SSSI)
- Extent of flooding from surface water**
 - High
 - Medium
 - Low

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Project Name
Lostrigg Solar

Drawing Title
Figure 2.3 Key Environmental Designations

Scale at A3
1:35,000

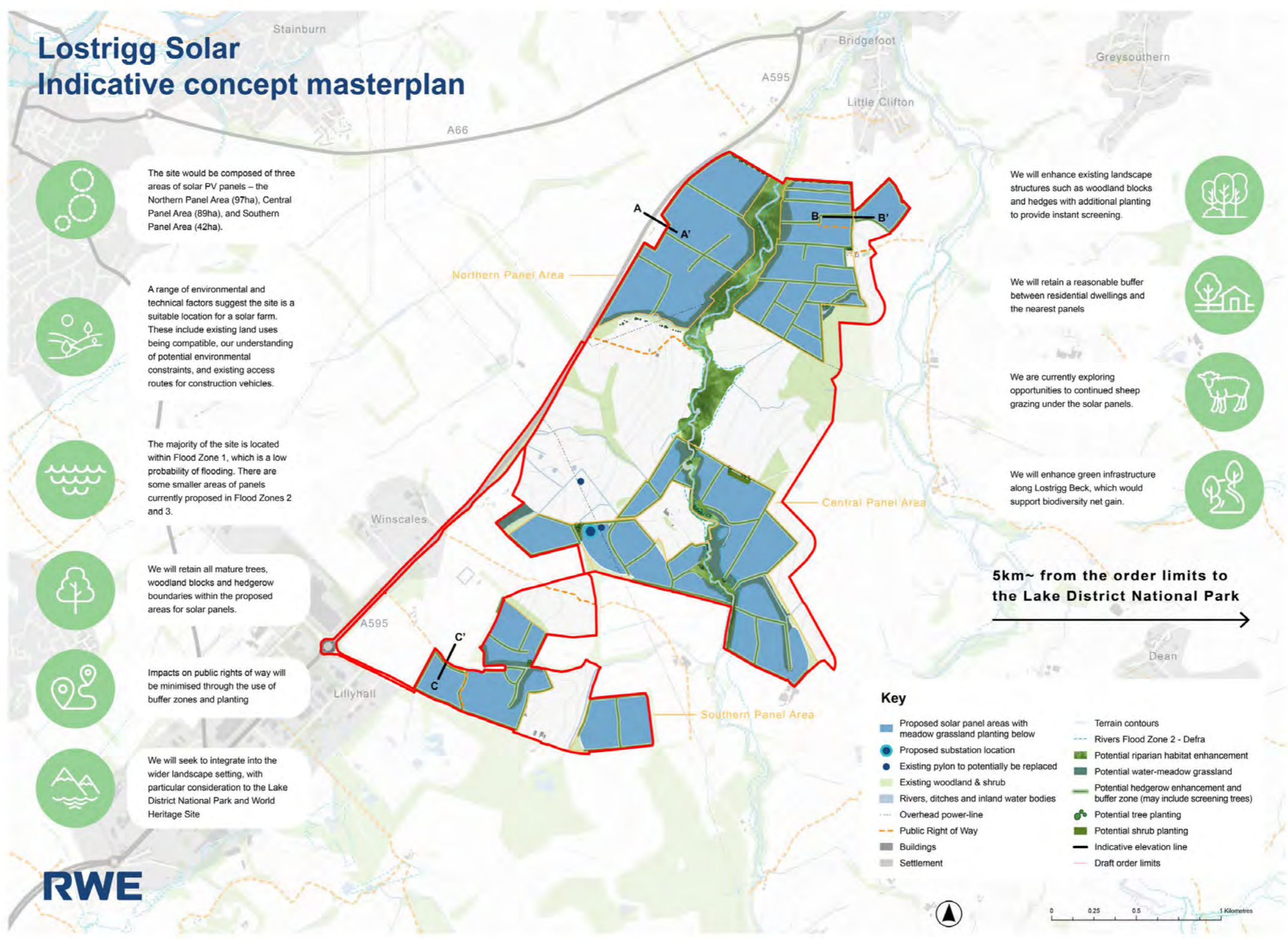
Role
Scoping Report

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Drawing Number
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Rev
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Legend
See figure

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Project Name
Lostrigg Solar

Drawing Title
Figure 2.4 Indicative concept masterplan Sheet 1 of 2

Scale at A3

Role
Scoping Report

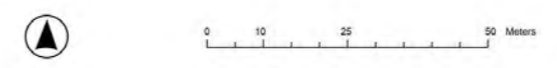
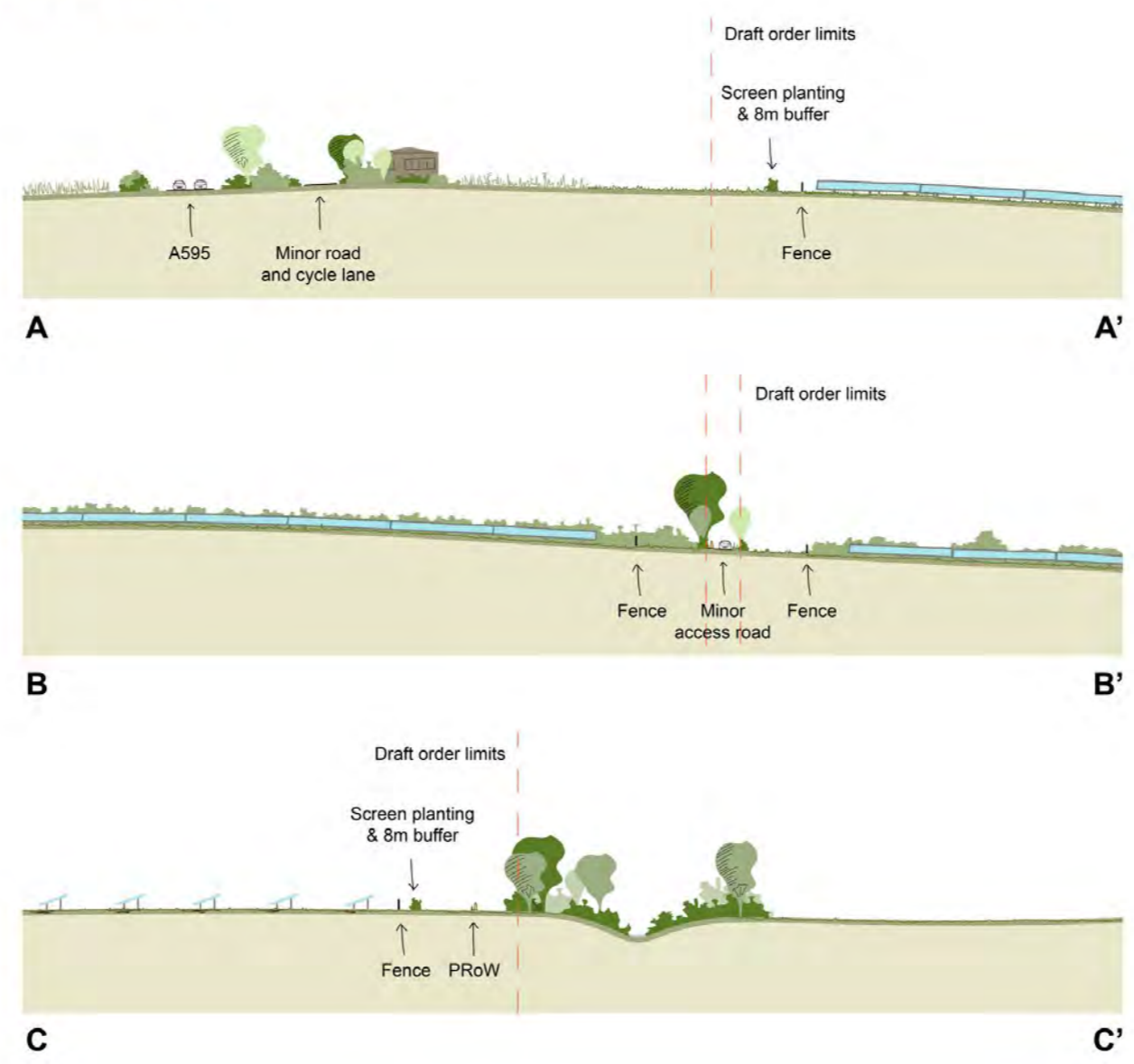
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LSF-SR02-00004

Lostrigg Solar Typical boundary elevations



Legend
See figure

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Project Name
Lostrigg Solar

Drawing Title
**Figure 2.4 Indicative
concept masterplan
Sheet 2 of 2**

Scale at A3

Role
Scoping Report

Suitability
Issued

Project Number
300884-00

Rev
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Drawing Number
LSF-SR02-00004

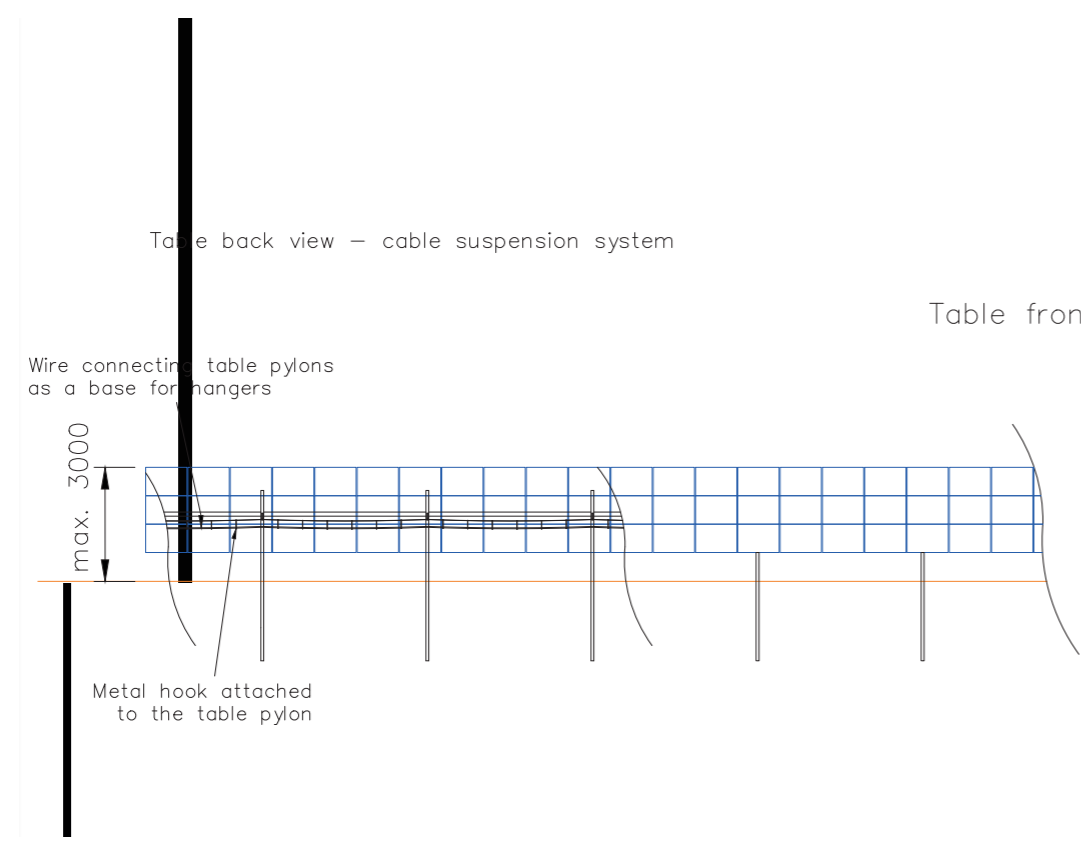
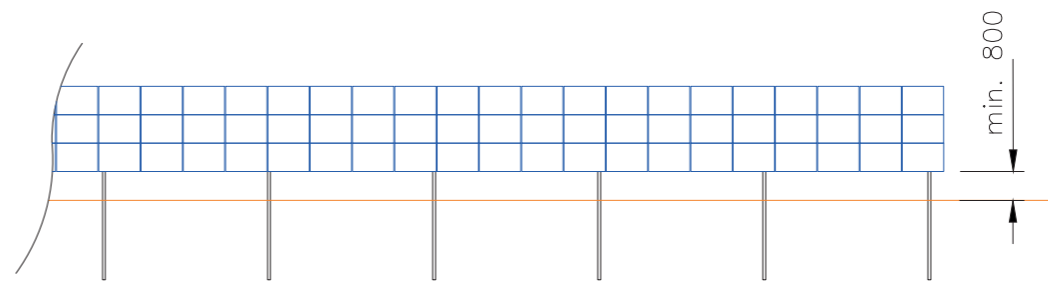


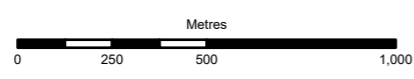
Table back view - cable suspension system

Table front view - 3 modules in portrait
scale 1:200



min. 800

- Legend
1. All details are indicative only.
 2. Dimensions are in metres unless stated otherwise.



Coordinate System: British National Grid

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Project Name
Lostrigg Solar

Drawing Title
**Figure 2.5
Sheet 1 of 2
Cross-section of a typical fixed solar panel**

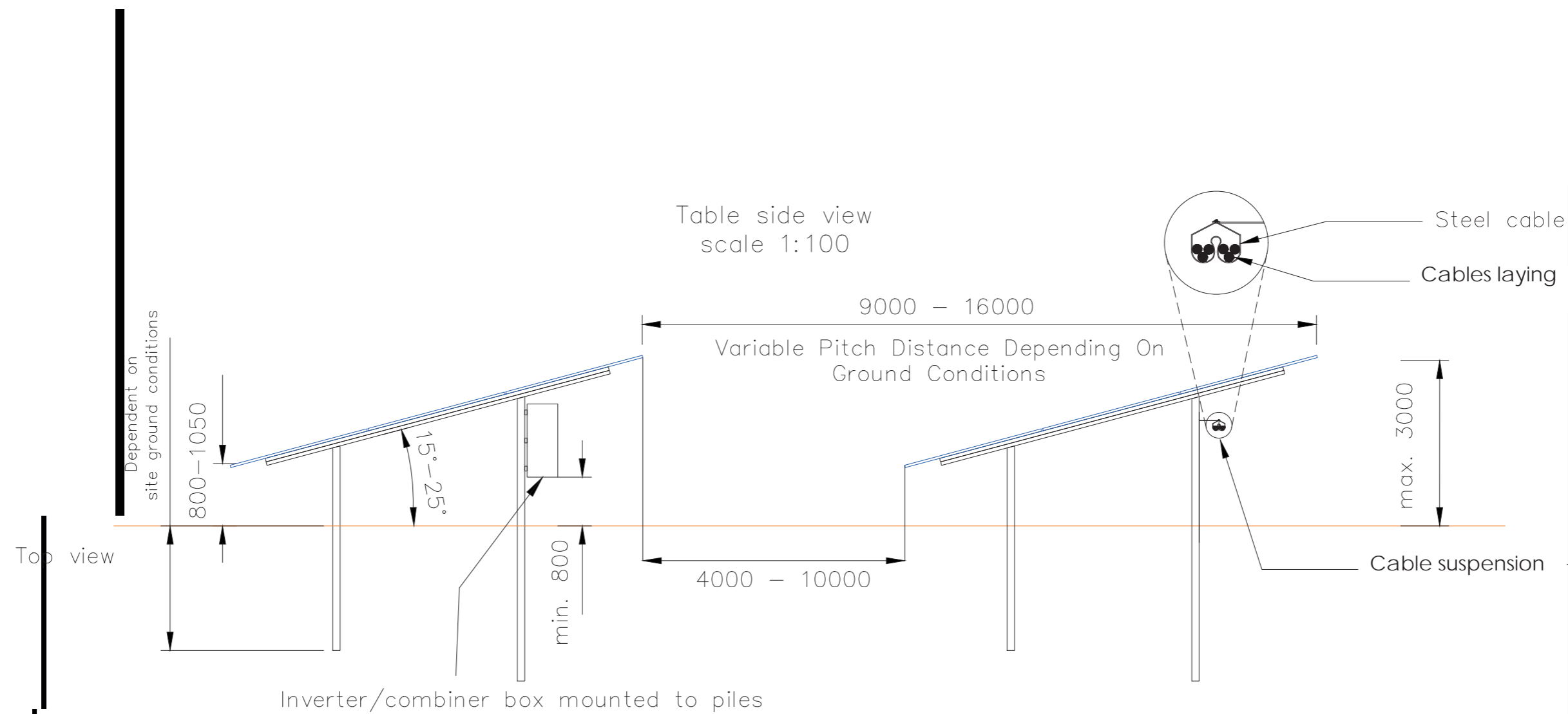
Scale at A3
1:20,000

Role
Scoping

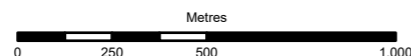
Suitability
Issue

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Drawing Number
LSF-SR02-00007



- Legend
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Coordinate System: British National Grid

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Rev	Date	By	Chkd	Appd	Authd
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Client



Project Name

Lostrigg Solar

Drawing Title

Figure 2.7
Sheet 2 of 2
Cross-section of a typical fixed
solar panel

Scale at A3

1:20,000

Role

Scoping

Suitability

Issue

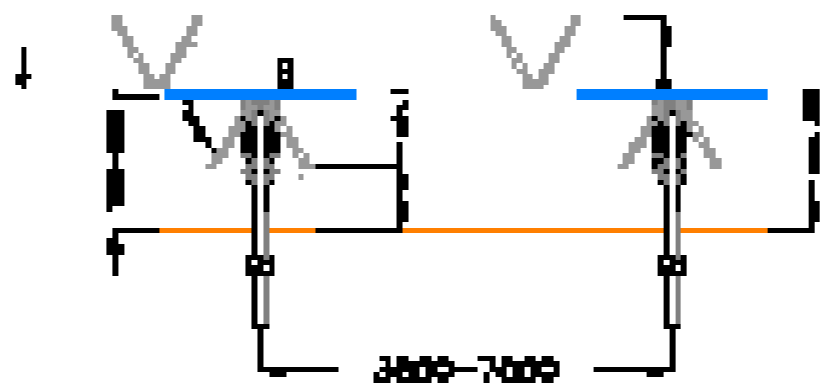
Project Number
300884-00

Rev
P01

Drawing Number
LSF-SR02-00007



Table front view – 1 modules in portrait

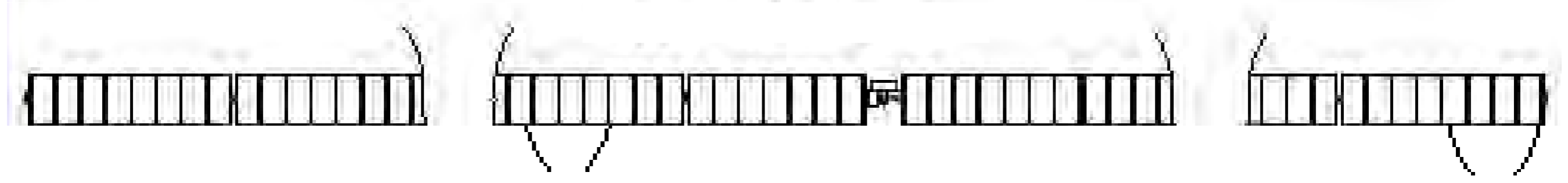


Variable pitch distance depending on ground conditions

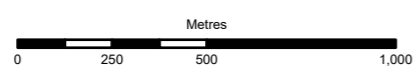
Table side view



Table top view



- Legend
1. All details are indicative only.
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Coordinate System: British National Grid

Service or layer credits:

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Project Name
Lostrigg Solar Farm

Drawing Title
**Figure 2.6
Typical cross-section of tracked solar panel**

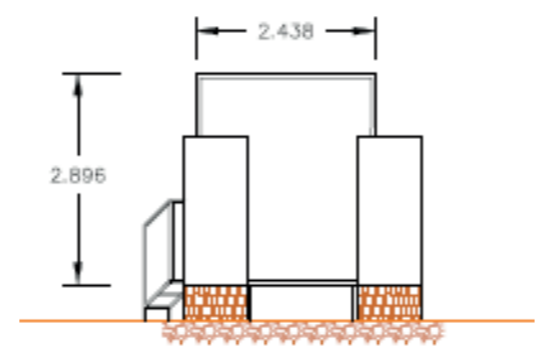
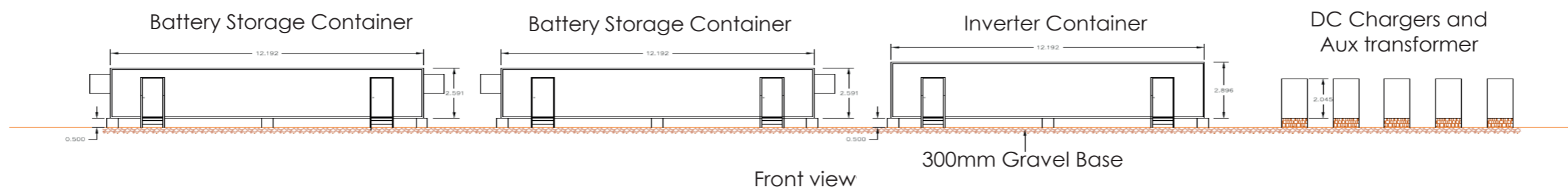
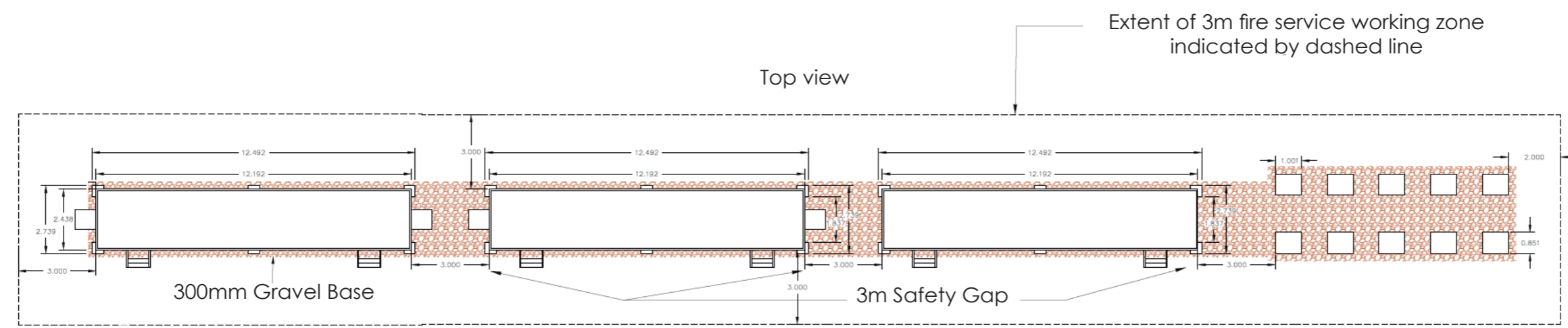
Scale at A3
1:20,000

Role
Scoping

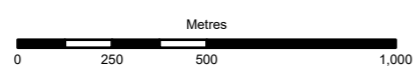
Suitability
Issue

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Drawing Number
LSF-SR02-00008



Legend
 1. All details are indicative only.
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Project Name
Lostrigg Solar

Drawing Title
**Figure 2.7
 Typical transformer, inverter and
 BESS arrangement**

Scale at A3
1:20,000

Role
Scoping

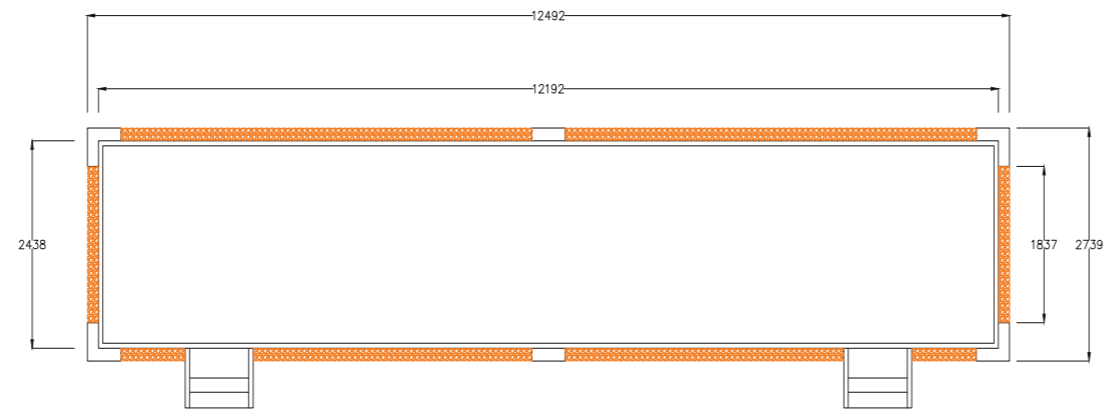
Suitability
Issue

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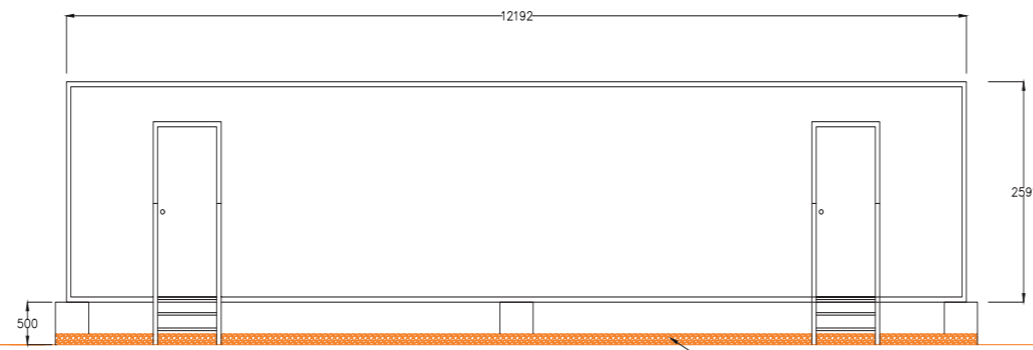
Drawing Number
LSF-SR02-00009



Customer switchgear
Top view

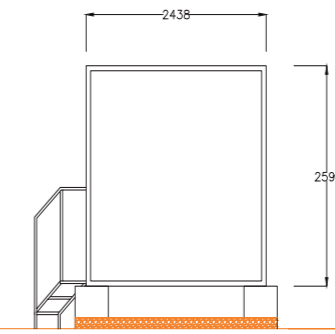


Customer switchgear
Front view

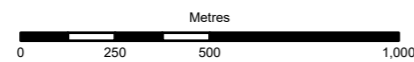


300mm
gravel base

Customer switchgear
Side view



- Legend
1. All details are indicative only.
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Client



Project Name

Lostrigg Solar

Drawing Title

**Figure 2.8
Typical switchgear**

Scale at A3

1:20,000

Role

Scoping

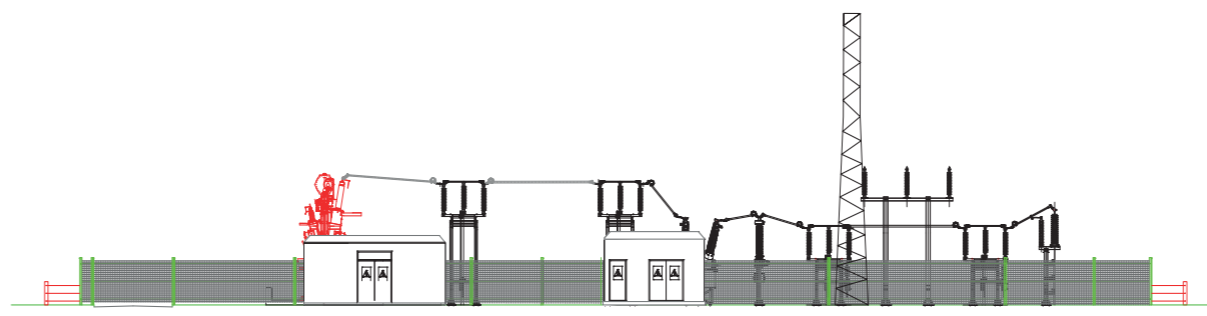
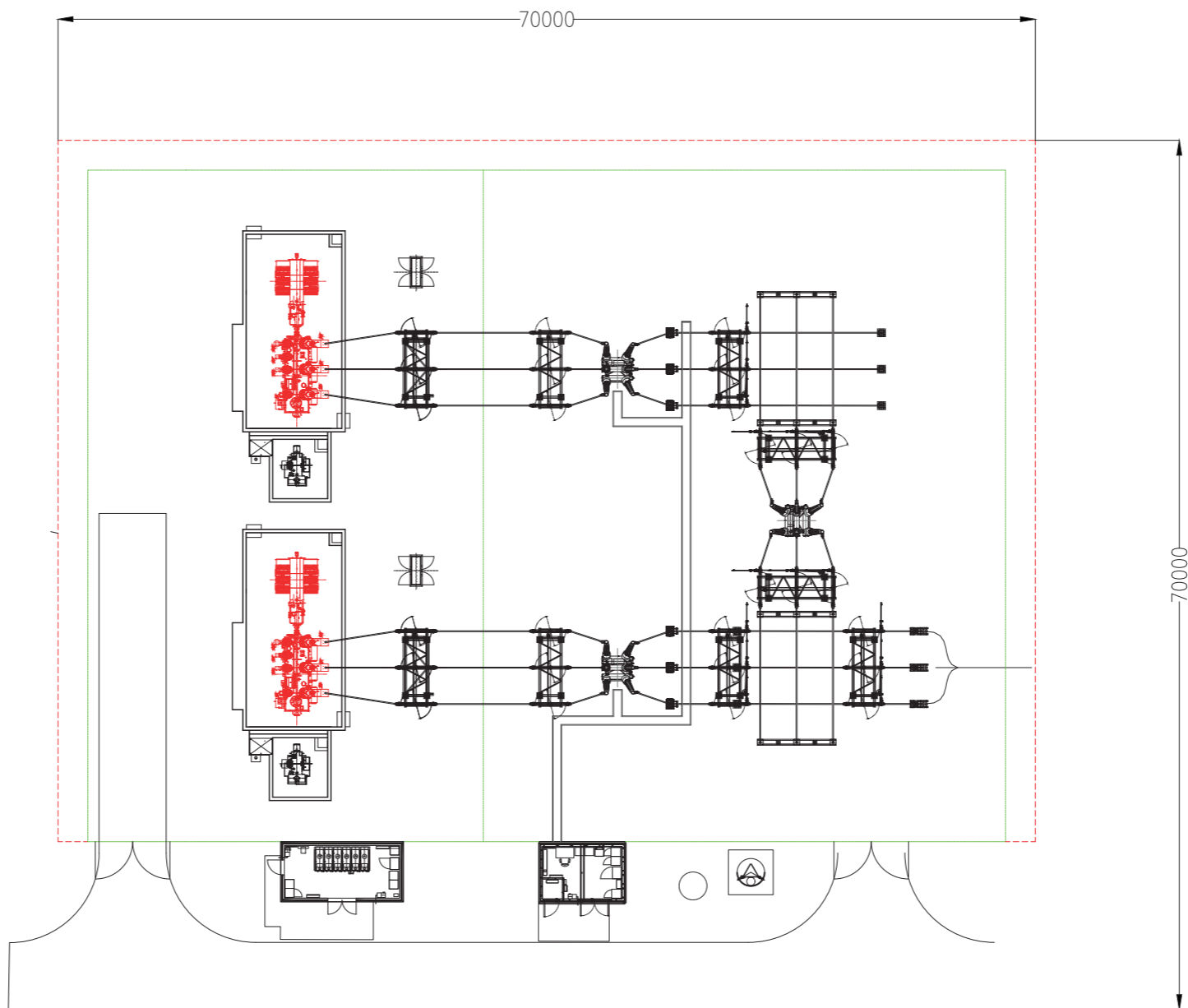
Suitability

Issue

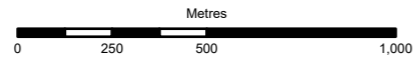
Project Number
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P01

Drawing Number
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- Legend
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Coordinate System: British National Grid

Service or layer credits:

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Rev	Date	By	Chkd	Appd	Authd



Project Name
Lostrigg Solar

Drawing Title
**Figure 2.9
Typical substation**

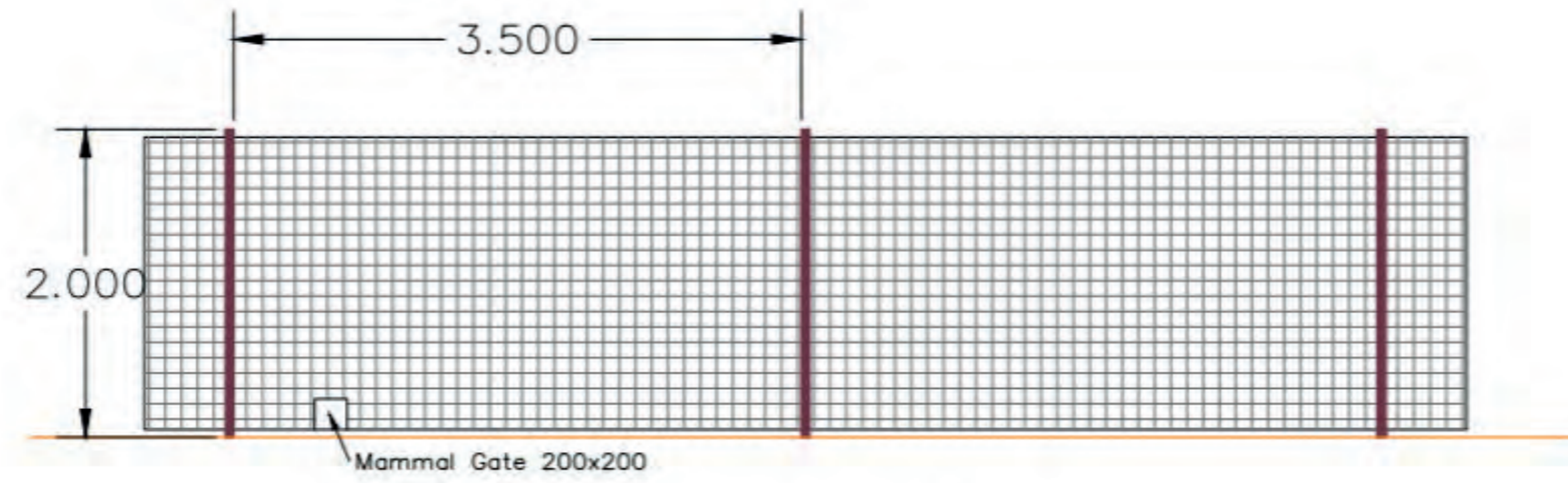
Scale at A3
1:20,000

Role
Scoping

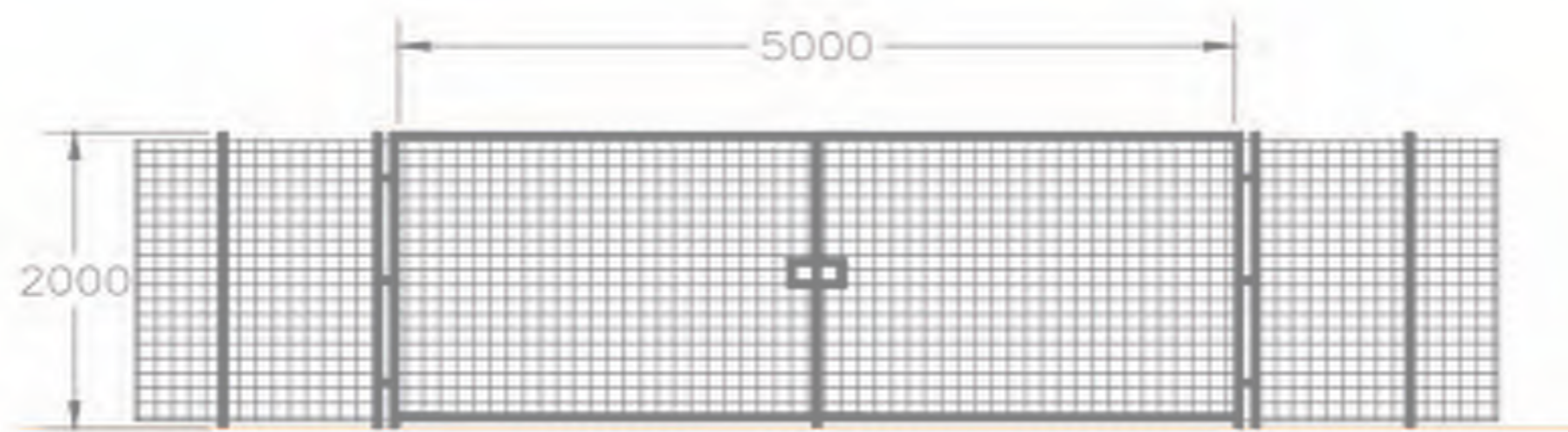
Suitability
Issue

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Drawing Number
LSF-SR02-00012

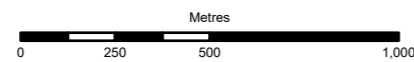


Timber post & wire fence



Timber post & wire gate

- Legend
1. All details are indicative only.
 2. Dimensions are in metres unless stated otherwise.



Coordinate System: British National Grid

Service or layer credits:

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Rev	Date	By	Chkd	Appd	Authd

Client



Project Name

Lostrigg Solar

Drawing Title

Figure 2.10
Typical fence and gate

Scale at A3

1:20,000

Role

Scoping

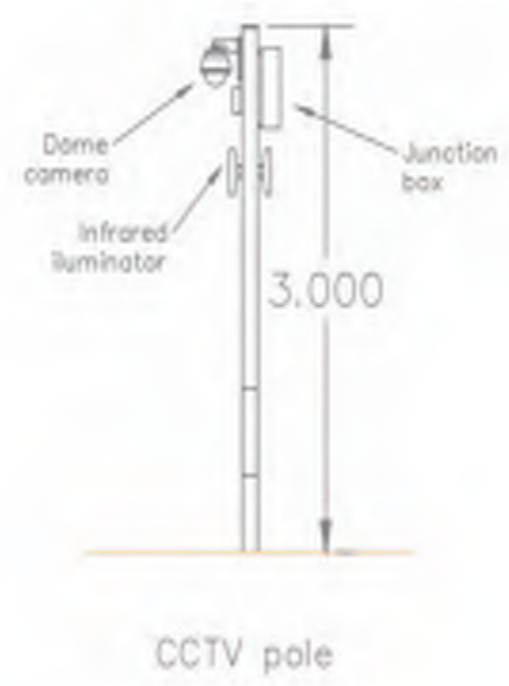
Suitability

Issue

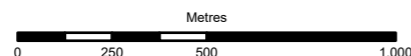
Project Number
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Rev
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Drawing Number
LSF-SR02-00014



- Legend
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Client



Project Name

Lostrigg Solar

Drawing Title

**Figure 2.11
Typical CCTV pole**

Scale at A3

1:20,000

Role

Scoping

Suitability

Issue

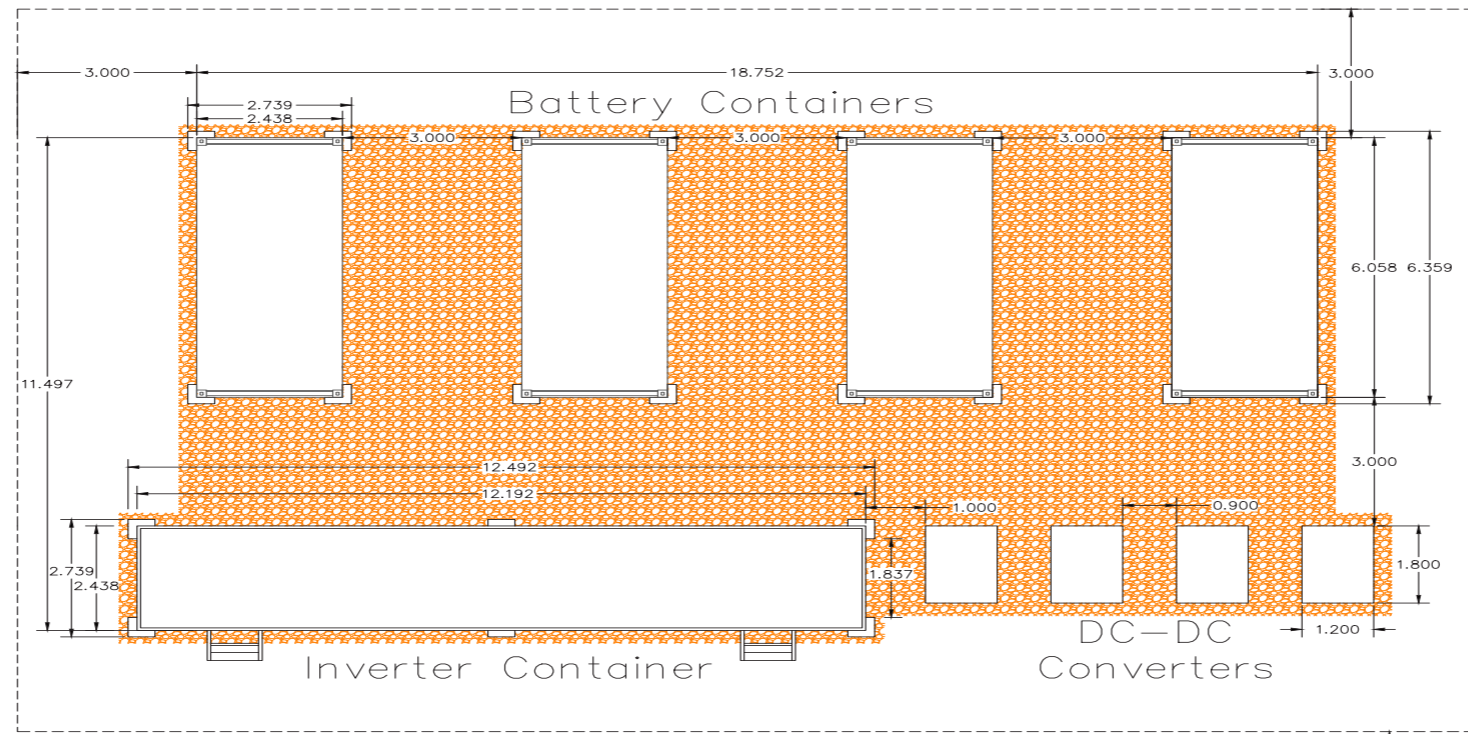
Project Number
300884-00

Rev
P01

Drawing Number
LSF-SR02-00015

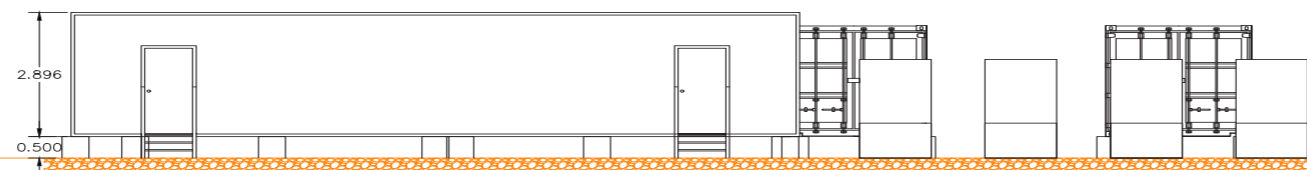


Top view

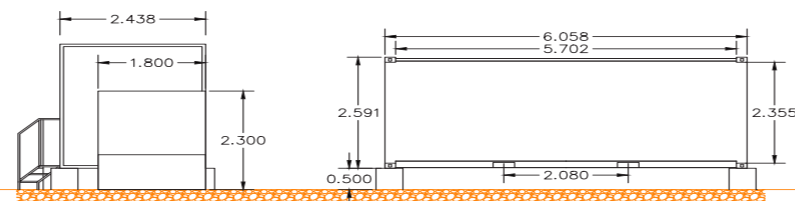


Extent of fire service working zone indicated by dashed line

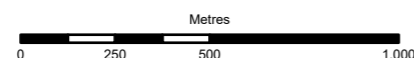
Front view



Side view



- Legend
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Client



Project Name

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Drawing Title

Figure 2.12
Typical battery station - details

Scale at A3

1:20,000

Role

Scoping

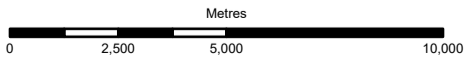
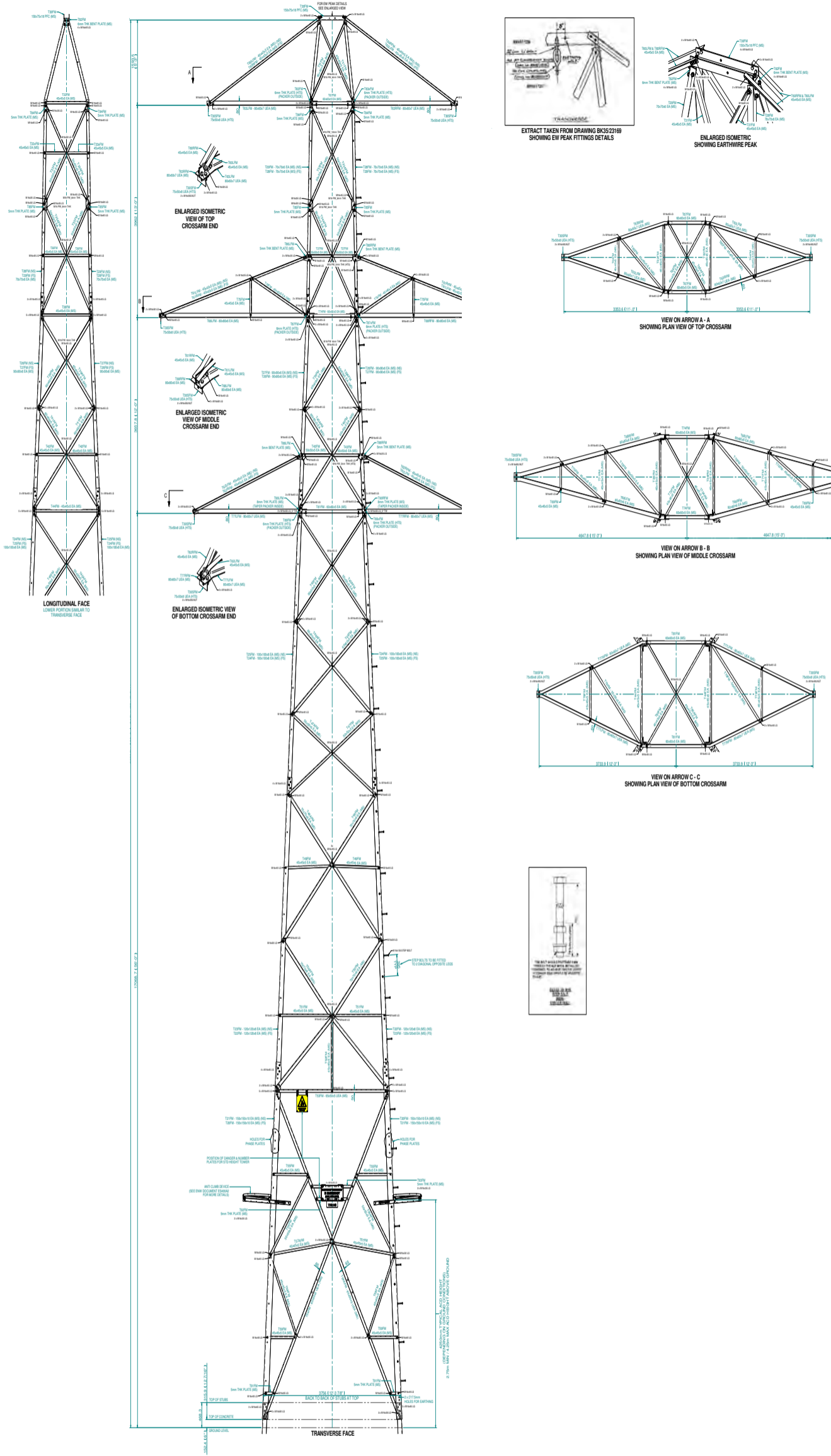
Suitability

Issue

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Client



Project Name
Lostrigg Solar

Drawing Title
**Figure 2.13
Typical Pylon**

Scale at A3
1:174,623

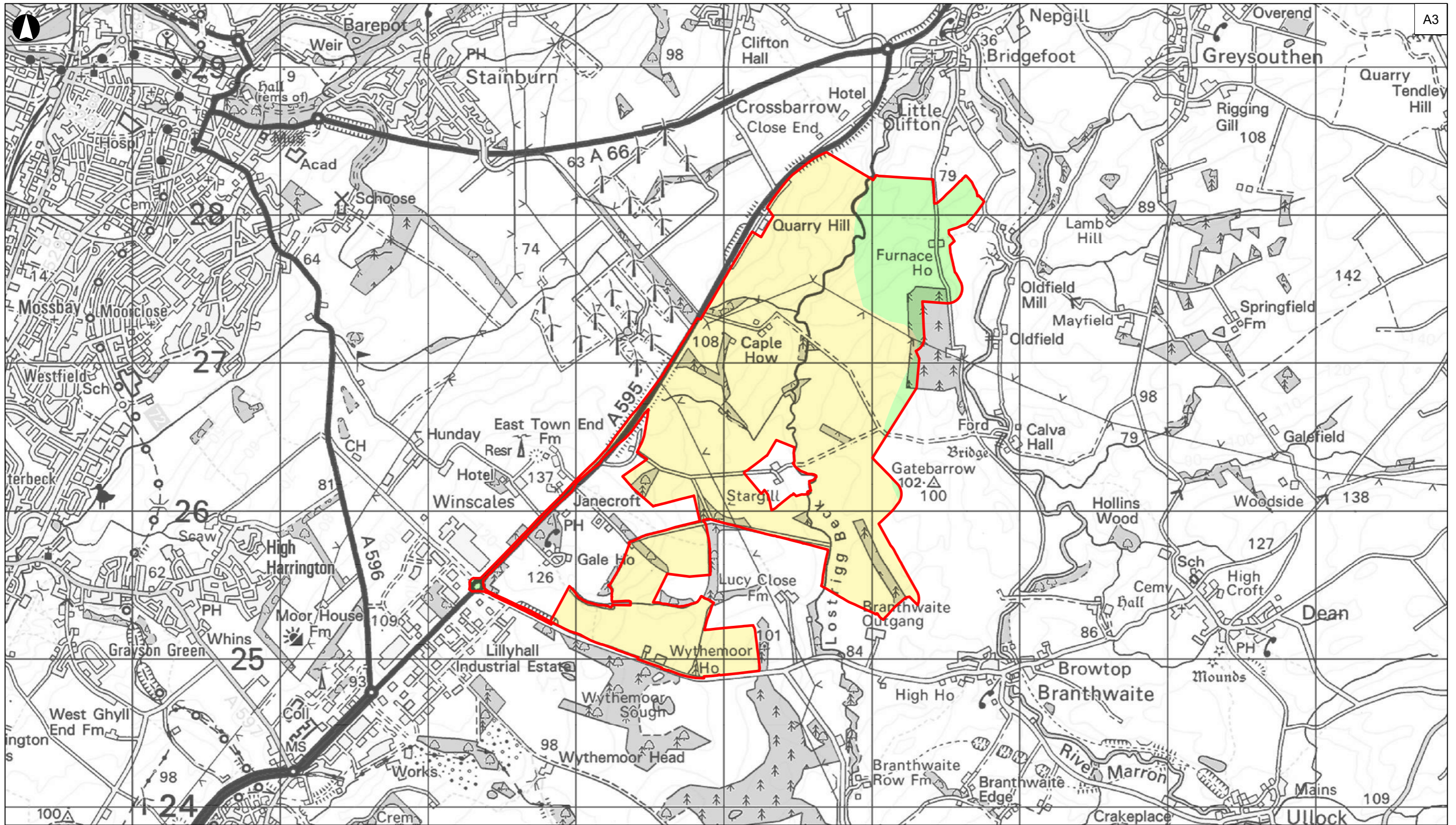
Role
Scoping Report

Suitability
Issued

Project Number
300884-00

Rev
P01

Drawing Name
LSF-SR02-00012



Legend

draft Order Limits

Agricultural Land Classification

Grade 3

Grade 4

Agricultural Land Classification	Area (ha)
Grade 3	69.72
Grade 4	398.01

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Drawing Title
Figure 5.1 Provisional Agricultural Land Classification

Scale at A3
1:25,000

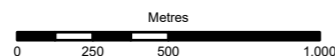
Role
Scoping Report

Suitability
Issue

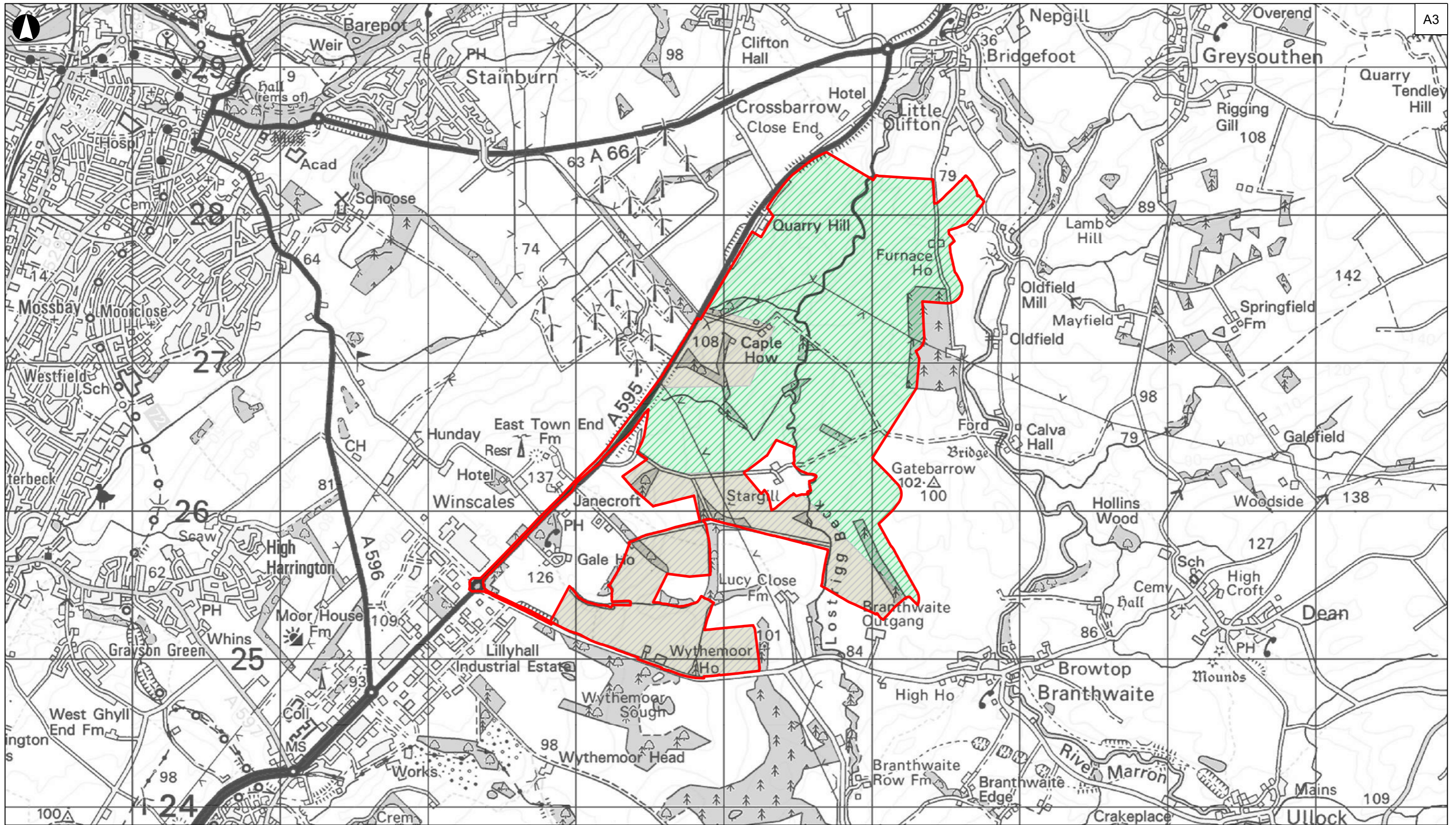
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Legend

draft Order Limits

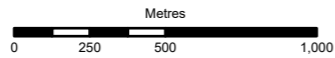
Soil Association

Brickfield 3 (713g)

Disturbed Soils 3 (92c)

Urban (U)

Soil Association	Area (ha)
Disturbed Soils 3 (92c)	152.30
Brickfield 3 (713g)	314.14
Urban (U)	1.29



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Soil Survey of England and Wales 1984.

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Project Name
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Drawing Title
Figure 5.2 Soil Associations

Scale at A3
1:25,000

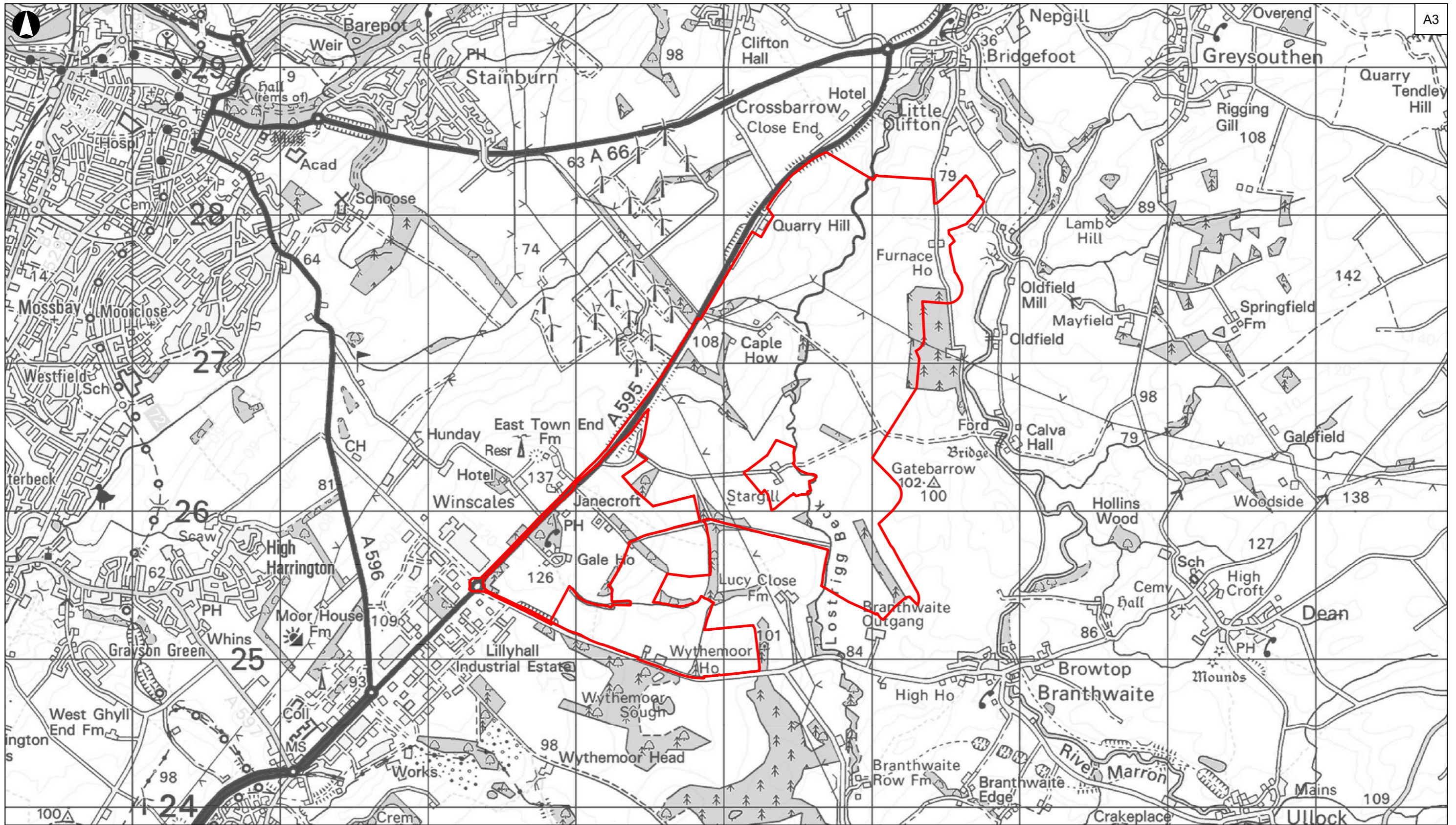
Role
Scoping Report

Suitability
Issue

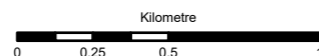
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Legend
 draft Order Limits



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Project Name

Lostrigg Solar

Drawing Title

Figure 7.1 Site Location Plan

Scale at A3

1:25,000

Role

Scoping Report

Suitability

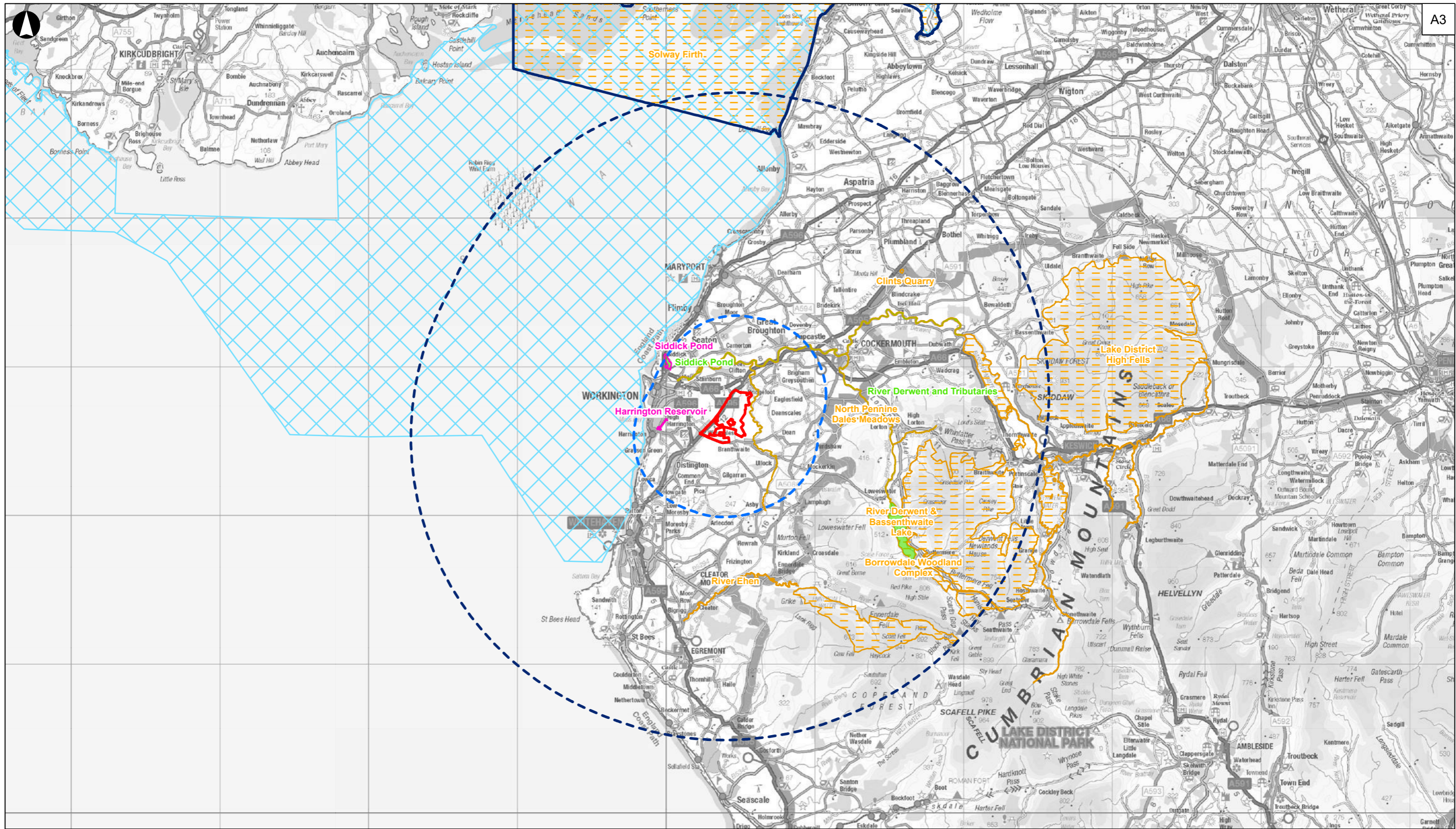
Issue

Project Number
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Rev
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Drawing Number

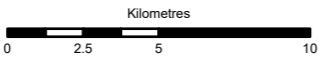
LSF-SR07-00001



- Legend**
- draft Order Limits
 - 5 km Study Area
 - 20 km Study Area

- Upper Solway Flats & Marshes Ramsar
- Solway Firth Protection Area

- Special Areas of Conservation
- Sites of Special Scientific Interest
- Local Nature Reserves



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Rev	Date	By	Chkd	Appd	Authd

Client



Project Name
Lostrigg Solar

Drawing Title
Figure 7.2 Statutory Sites

Scale at A3
1:250,000

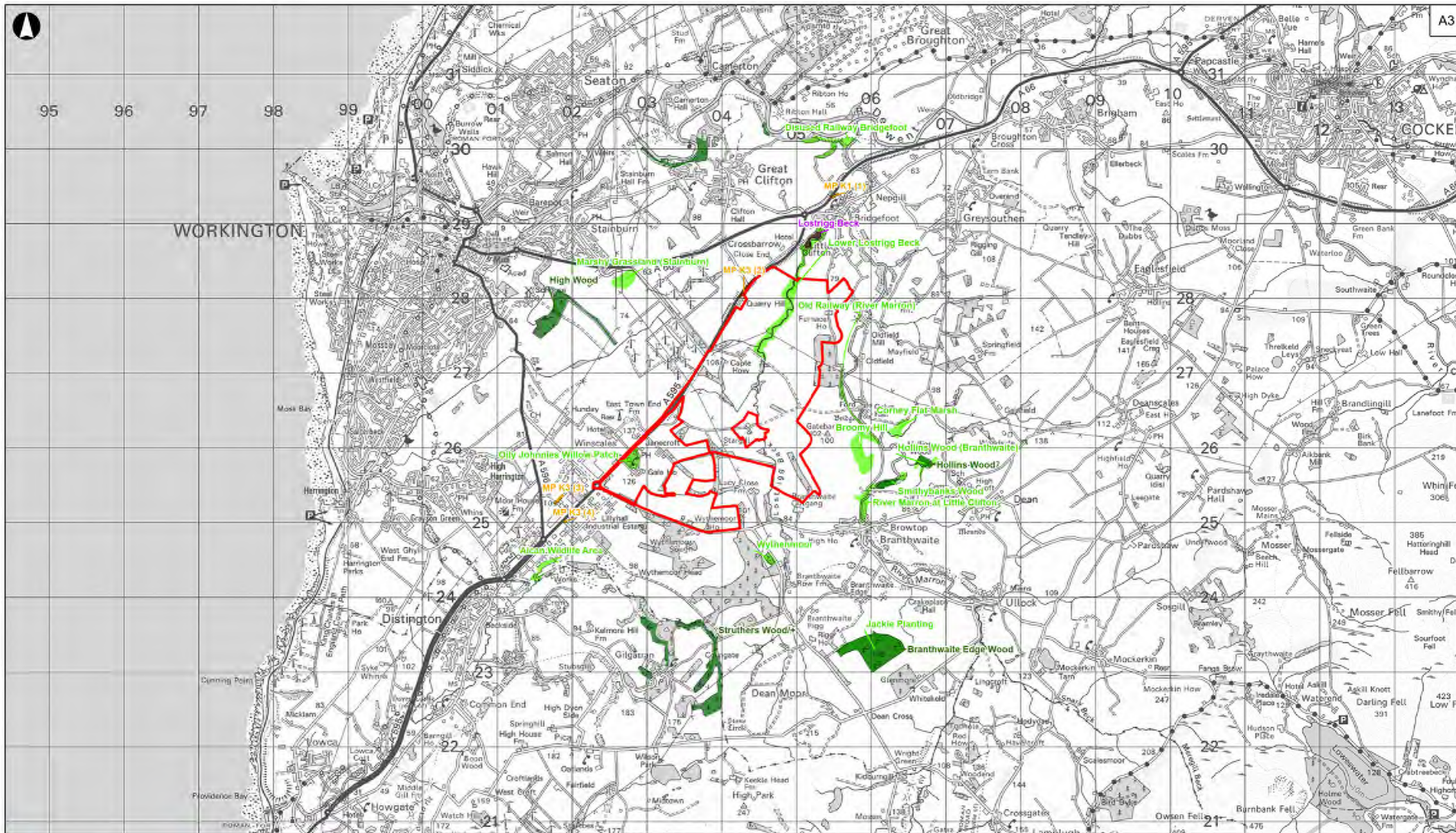
Role
Scoping Report

Suitability
Issue

Project Number
300884-00

Drawing Number
LSF-SR07-00002

Rev
P01



Legend

- draft Order Limits
- Special Roadside Verges
- County Wildlife Sites
- Site of Invertebrate Significance
- Ancient Woodland

Kilometres
0 0.5 1 2

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Rev	Date	By	Chd	Appd	Autd

Client

RWE

Project Name
Lostrigg Solar

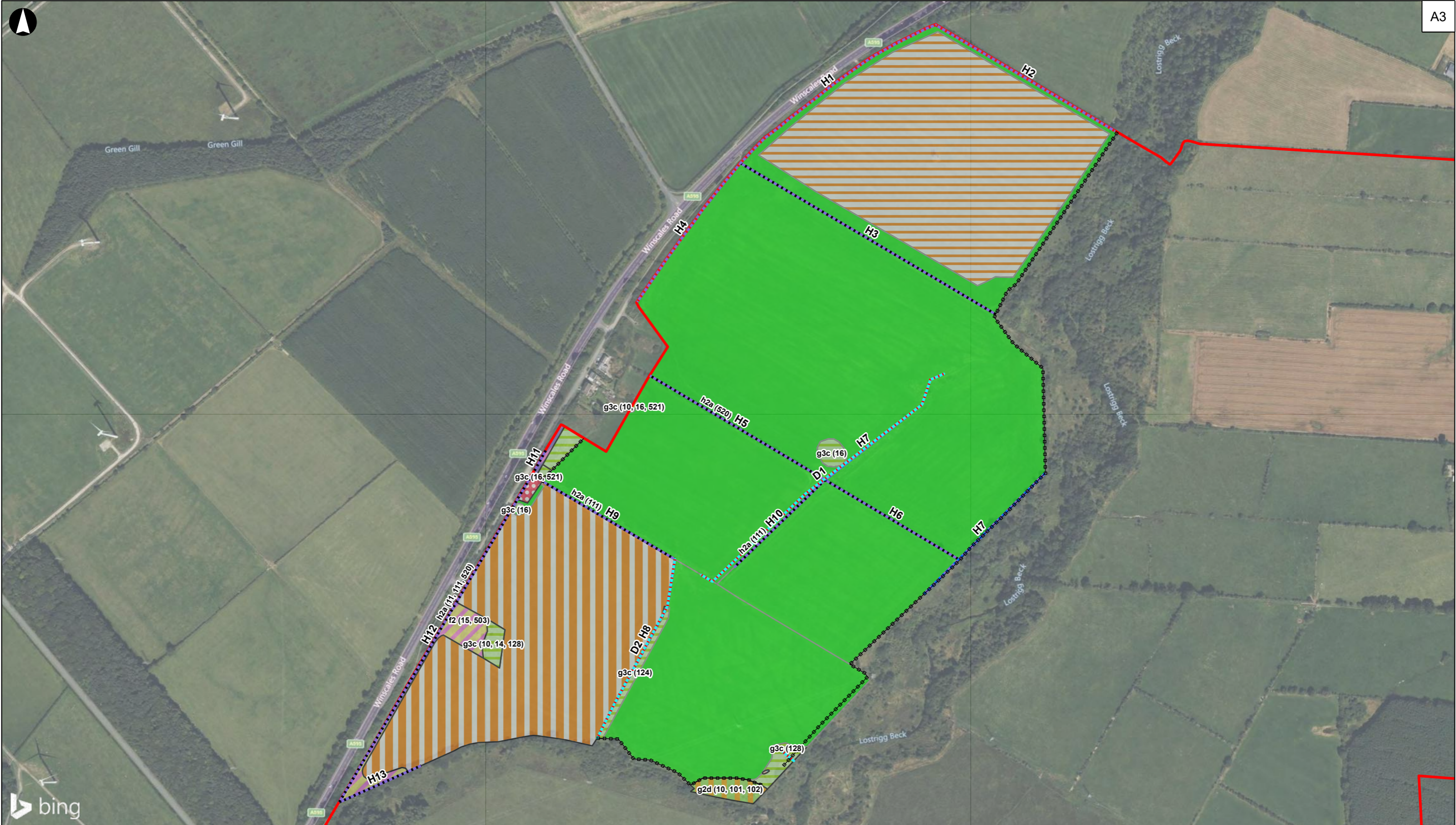
Drawing Title
Figure 7.3 Non Statutory Sites

Scale of A3
1:50,000

File
Scoping Report

Suitability
Issue

Project Number 300884-00	Rev P01
Drawing Number LSF-SR07-00003	



Legend

draft Order Limits	h3d - bramble scrub	h2b - other hedgerow
c1b - temporary grass and clover leys	r1a6 - other eutrophic standing waters	r1g - other standing water
c1c - cereal crops	u1c - artificial unvegetated unsealed surface	u1e - built linear feature
f2 - fen, marsh and swamp	g2d	Fence
g3c - other neutral grassland	h2a - hedgerow (priority habitat) (intact)	
g4 - modified grassland	h2a - hedgerow (priority habitat)	

Metres
0 50 100 200

Coordinate System: British National Grid

Service or layer credits: © 2024 Microsoft Corporation © 2024 Maxar ©CNES (2024) Distribution Airbus DS © 2024 TomTom

Boundaries are indicative. Aerial imagery shown for context purposes only.

P01	22/05/2024	GER	TP	BD	DB
Rev	Date	By	Chkd	Appd	Authd



Project Name
Lostring Solar

Drawing Title
Figure 7.4.1 Provisional Habitat Plan - Area 1

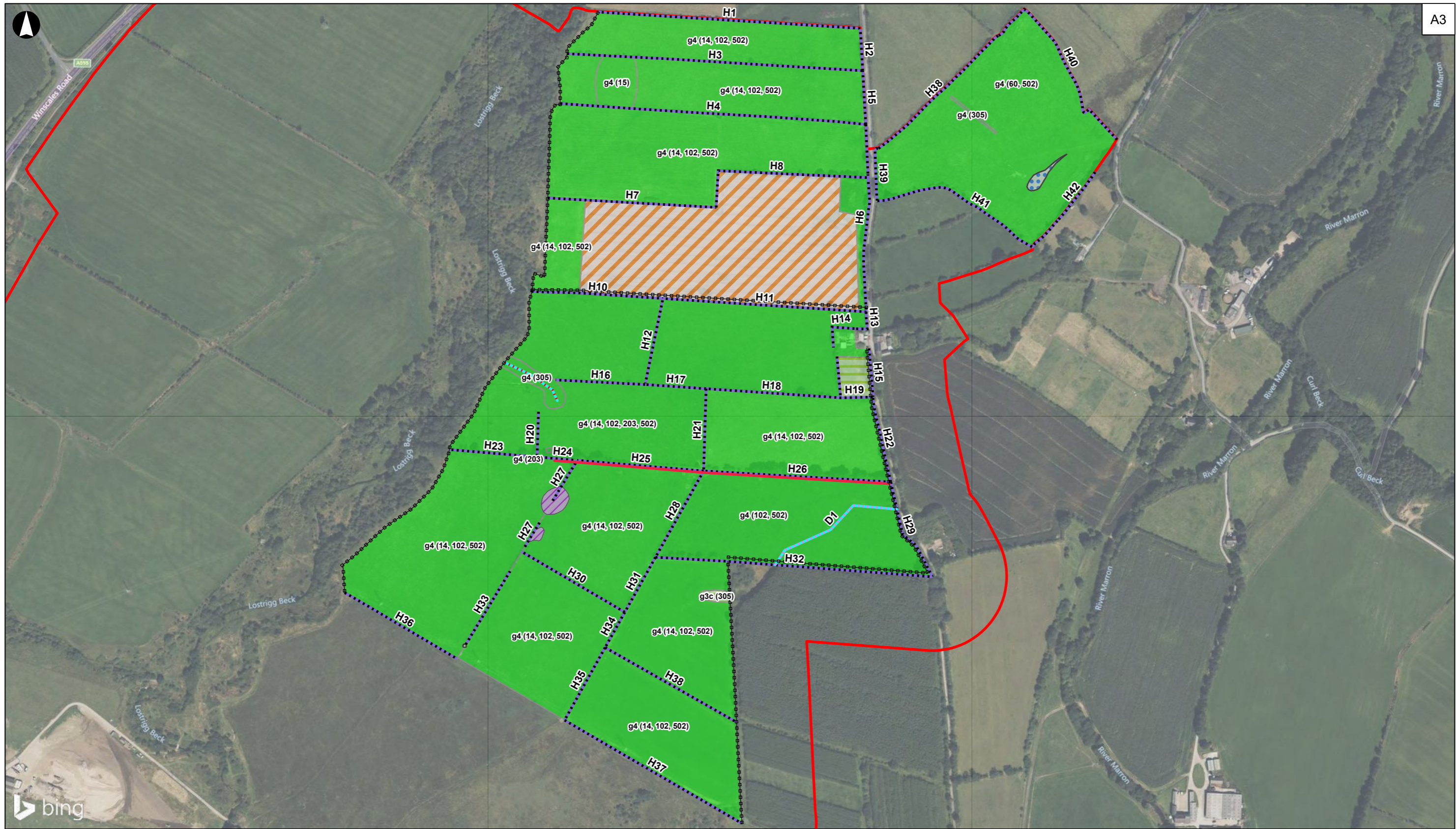
Scale at A3
1:5,000

Role
Scoping Report

Suitability
Issue

Project Number 300884-00	Rev P01
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Drawing Number
LSF-SR07-00004-1



Legend

draft Order Limits	h3e - gorse scrub	r2b - other rivers and streams
c1 - arable and horticulture	r1g - other standing water	u1e - built linear feature
g3c - other neutral grassland	h2a - hedgerow (priority habitat) (intact)	Fence
g4 - modified grassland	r1g - other standing water	

Coordinate System: British National Grid

Service or layer credits: © 2024 Microsoft Corporation © 2024 Maxar ©CNES (2024) Distribution Airbus DS © 2024 TomTom

Boundaries are indicative. Aerial imagery shown for context purposes only.

Scale: 0 50 100 200 Metres

Client

RWE

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Rev	Date	By	Chkd	Appd	Authd

Project Name
Lostrigg Solar

Drawing Title
Figure 7.4.2 Provisional Habitat Plan - Area 2

Scale at A3
1:5,000

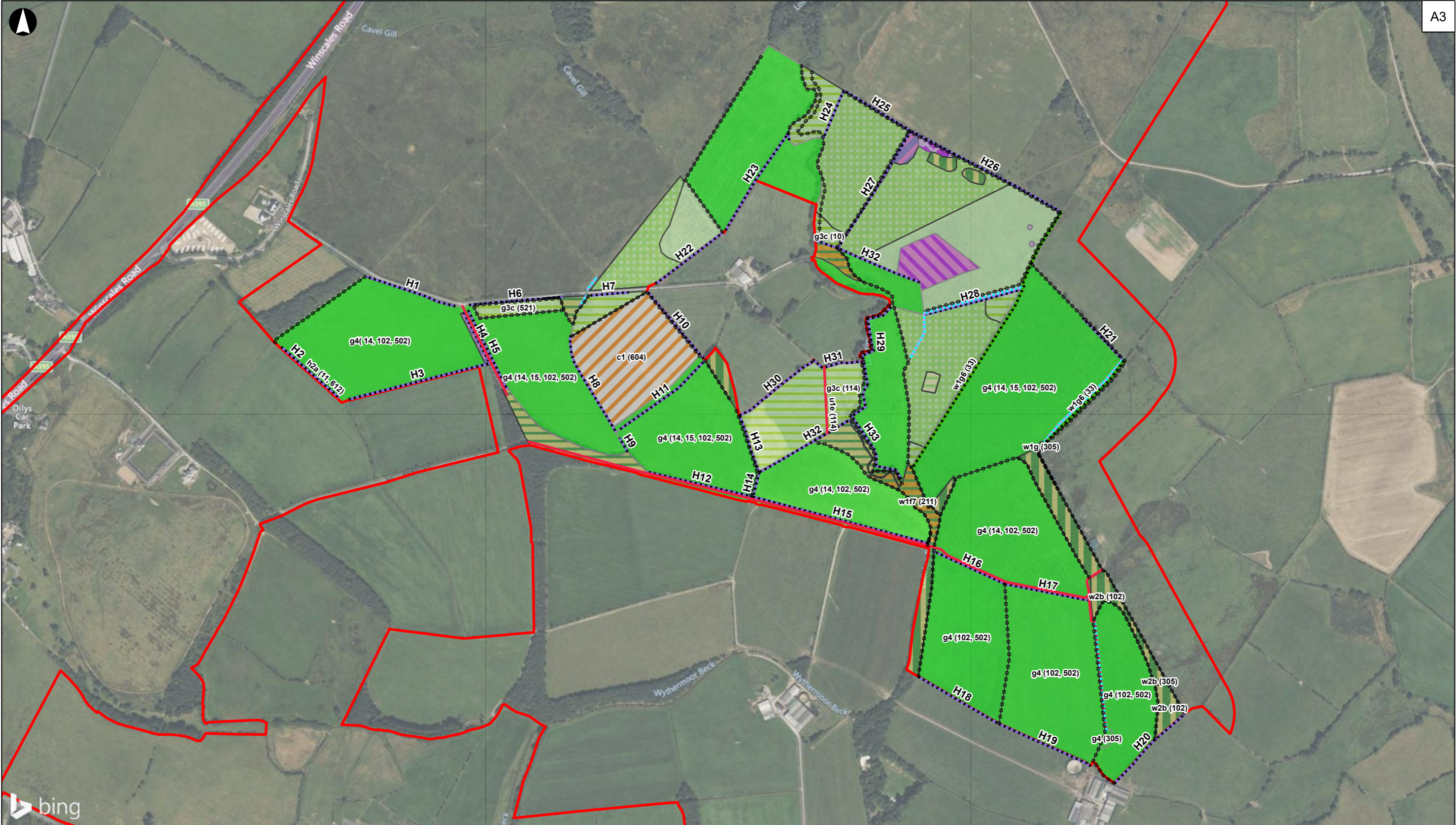
Role
Scoping Report

Suitability
Issue

Project Number
300884-00

Drawing Number
LSF-SR07-00004-2

Rev	P01
-----	-----



Legend

draft Order Limits	w2c - other coniferous woodland	h2a - hedgerow (priority habitat) (intact)
c1 - arable and horticulture	g4 - modified grassland	r1g - other standing water
f2b - purple moor grass and rush pastures	h3d - bramble scrub	r2b - other rivers and streams
g1d - other lowland acid grassland	h3h - mixed scrub	u1e - built linear feature
g3c - other neutral grassland	w1f7 - other Lowland mixed deciduous woodland	w1g6 - line of trees
g3c7 - Deschampsia neutral grassland	w1g - other woodland, broadleaved	Fence
g3c8 - Holcus-Juncus neutral grassland	w2b - other scots pine woodland	

Coordinate System: British National Grid

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Scale: 0 75 150 300 Metres

Client

RWE

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Rev	Date	By	Chkd	Appd	Authd

Project Name
Lostrigg Solar

Drawing Title
Figure 7.4.3 Provisional Habitat Plan - Area 3

Scale at A3
1:7,500

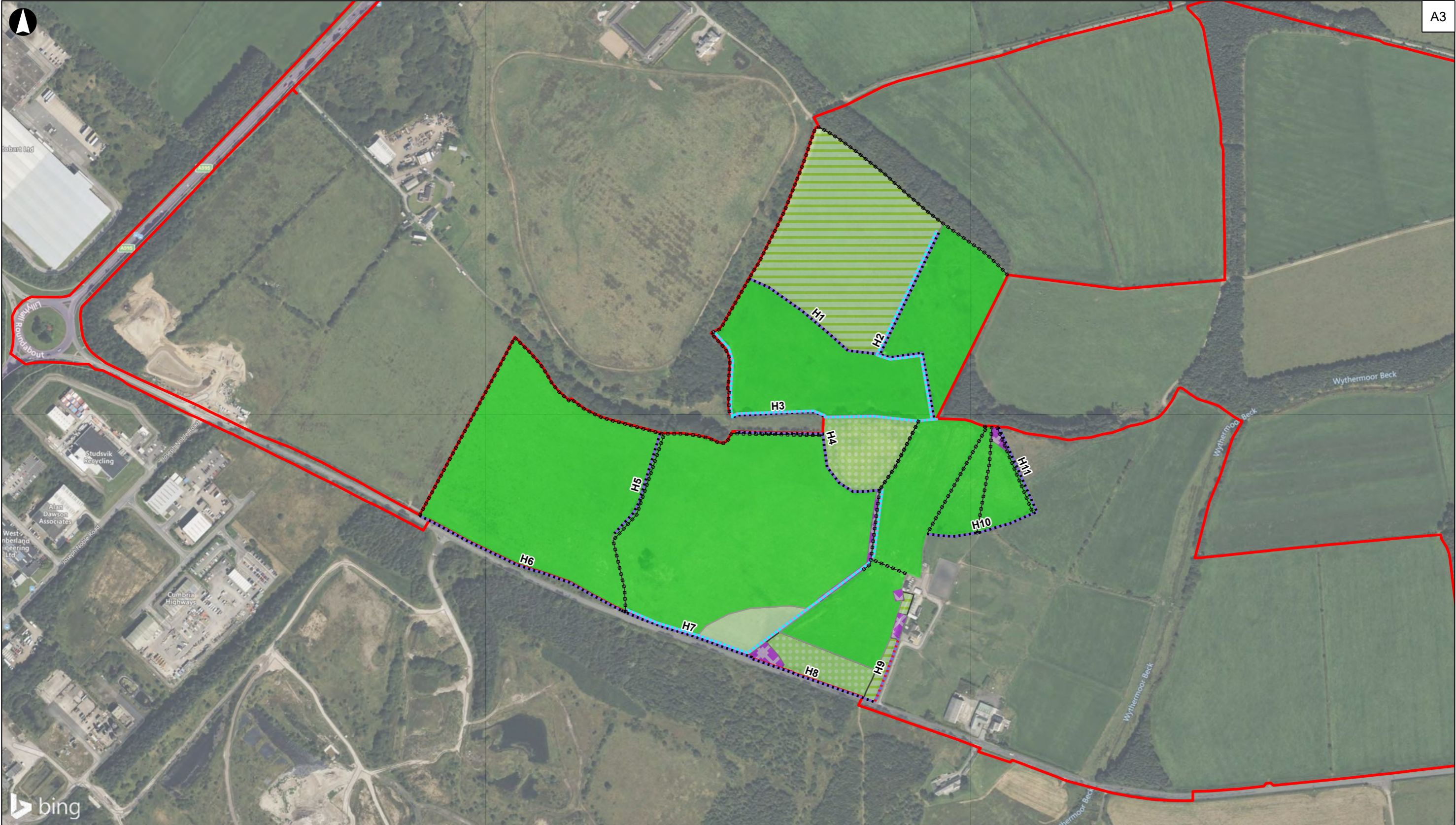
Role
Scoping Report

Suitability
Issue

Project Number
300884-00

Drawing Number
LSF-SR07-00004-3

Rev	P01
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Legend

draft Order Limits	g4 - modified grassland	r2b - other rivers and streams
g3c - other neutral grassland	h3h - mixed scrub	Fence
g3c7 - Deschampsia neutral grassland	h2a - hedgerow (priority habitat) (intact)	
g3c8 - Holcus-Juncus neutral grassland	h2b - other hedgerow	

Scale: 0 50 100 200 Metres

Coordinate System: British National Grid

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Client

Project Name
Lostrigg Solar

Drawing Title
Figure 7.4.4 Provisional Habitat Plan - Area 4

Scale at A3
1:5,000

Role
Scoping Report

Suitability
Issue

Project Number 300884-00	Rev P01
Drawing Number LSF-SR07-00004-4	



Legend

- draft Order Limits
- g4 - modified grassland
- w1h - other woodland, mixed
- h2a - hedgerow (priority habitat) (intact)
- Fence

Metres

Coordinate System: British National Grid

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Boundaries are indicative. Aerial imagery shown for context purposes only.

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Rev	Date	By	Chkd	Appd	Authd

Client

RWE

Project Name

Lostrigg Solar

Drawing Title

Figure 7.4.5 Provisional Habitat Plan - Area 5

Scale at A3

1:5,000

Role

Scoping Report

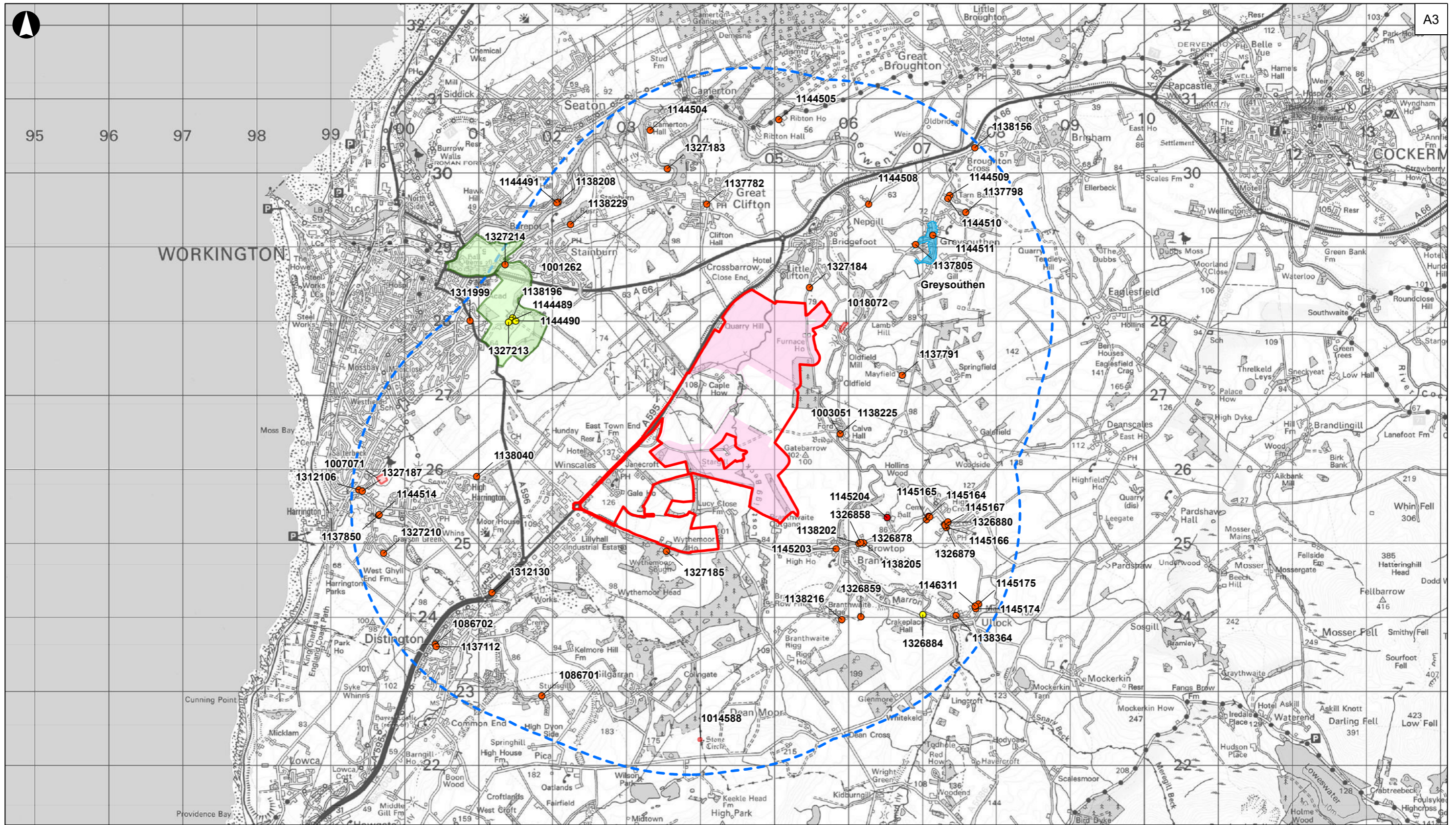
Suitability

Issue

Project Number	Rev
300884-00	P01

Drawing Number

LSF-SR07-00004-5



- Legend**
- draft Order Limits
 - Lease Areas
 - 3km Study Area
 - Scheduled Monuments
 - Registered Parks and Gardens

- Listed Building**
- Grade I
 - Grade II
 - Grade II*

Listed Building

Coordinate System: British National Grid

Service or layer credits:

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Client



Project Name
Lostrigg Solar

Drawing Title
Figure 9.1 Designated Heritage Assets

Scale at A3
1:50,000

Role
Scoping Report

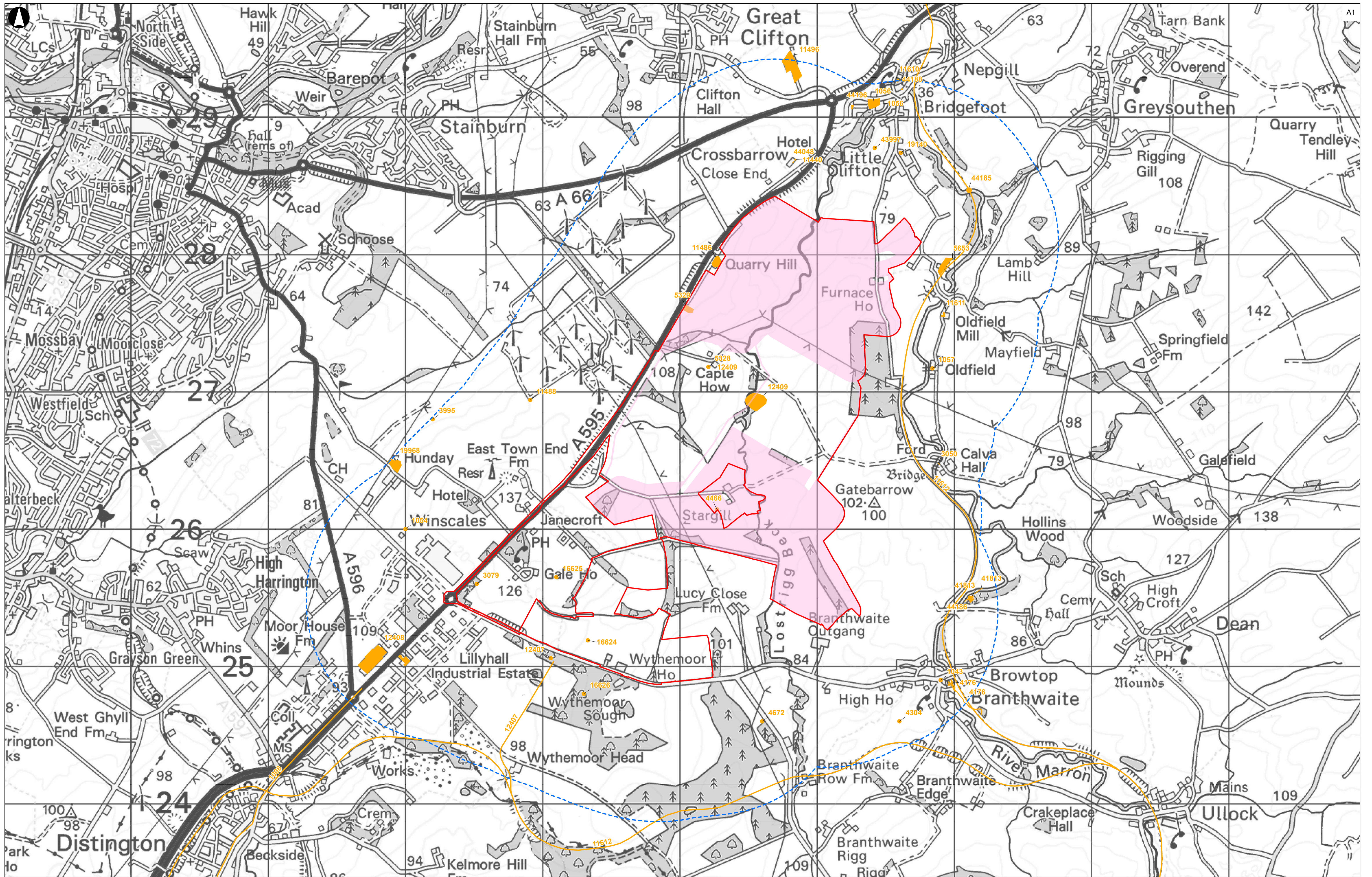
Suitability
Issue

Project Number
300833-00

Rev
P01

Drawing Number
LSF-SR09-00001





Legend

- draft Order Limits
- Lease Areas
- 1km Study Area
- Non-Designated Heritage Assets

Coordinate System: British National Grid
 Service or layer: OSDB
 Historic Environment Record data provided by Cumberland Council and Westmorland and Furness Council.
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Rev	Date	By	Chkd	Appd	Authd

Metres
 0 250 500 1,000

Client
RWE

Project Name
Lostrigg Solar

Drawing Title
Figure 9.2 Non-Designated Heritage Assets

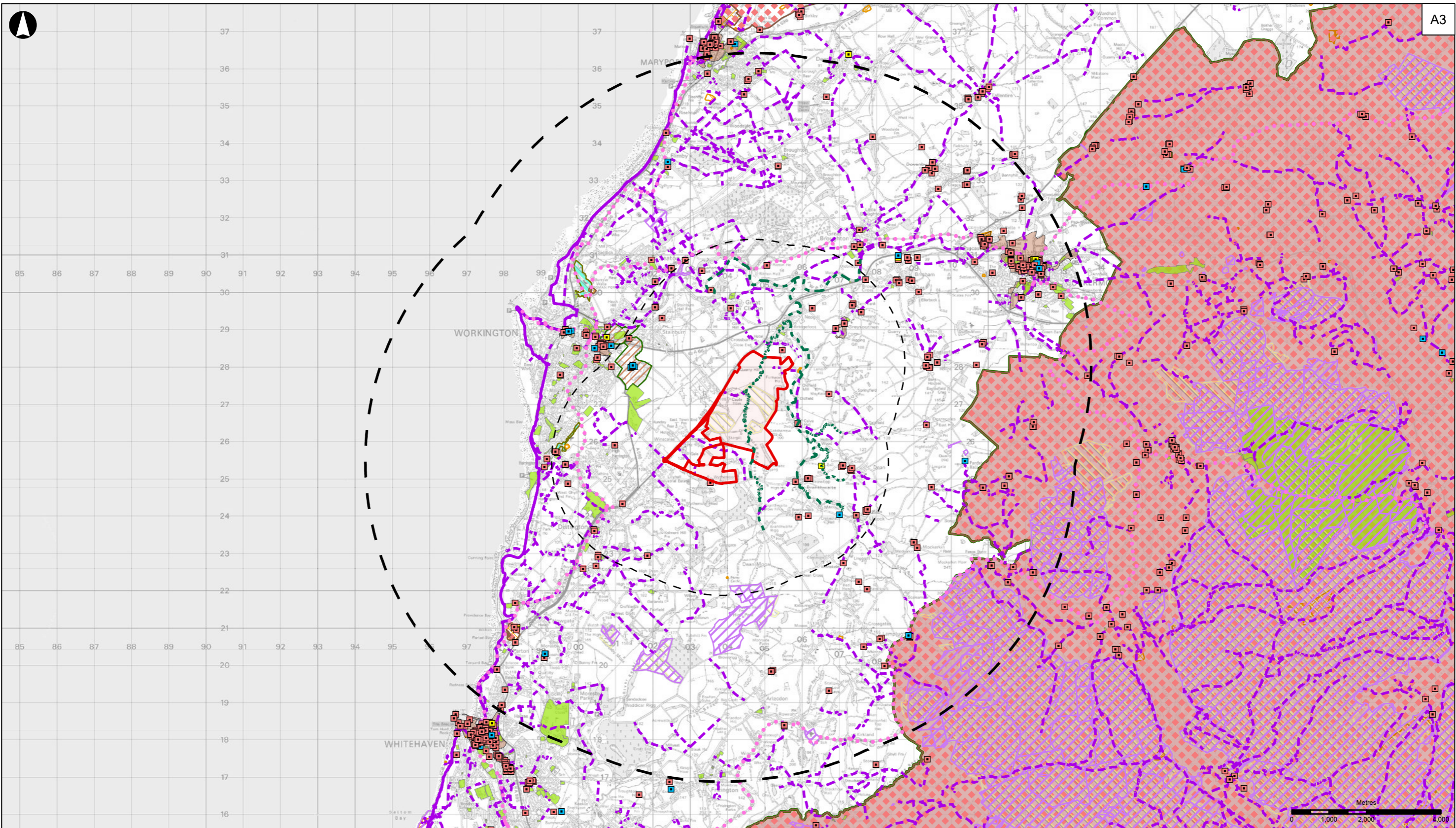
Scale at A1
1:12,500

Role
Scoping Report

Issue
 Project Number
300883-00

Rev
P01

Drawing Name
LSF-SR09-00002



Legend

draft Order Limits	Listed Buildings (Grade)	Local Nature Reserves (LNR)
3km Core Study Area	I	National Parks
8km Search Area Buffer	II*	Conservation Areas
National Cycle Network	II	Amenity Greenspace
England Coast Path Route	Scheduled Monuments	Moorland Line
PRoW	Registered Parks and Gardens	Countryside Rights of Way
Green Infrastructure	World Heritage Sites	

Coordinate System: British National Grid
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Project Name
Lostrigg Solar

Drawing Title
Figure 13.1 Landscape designations

Scale at A3
1:100,000

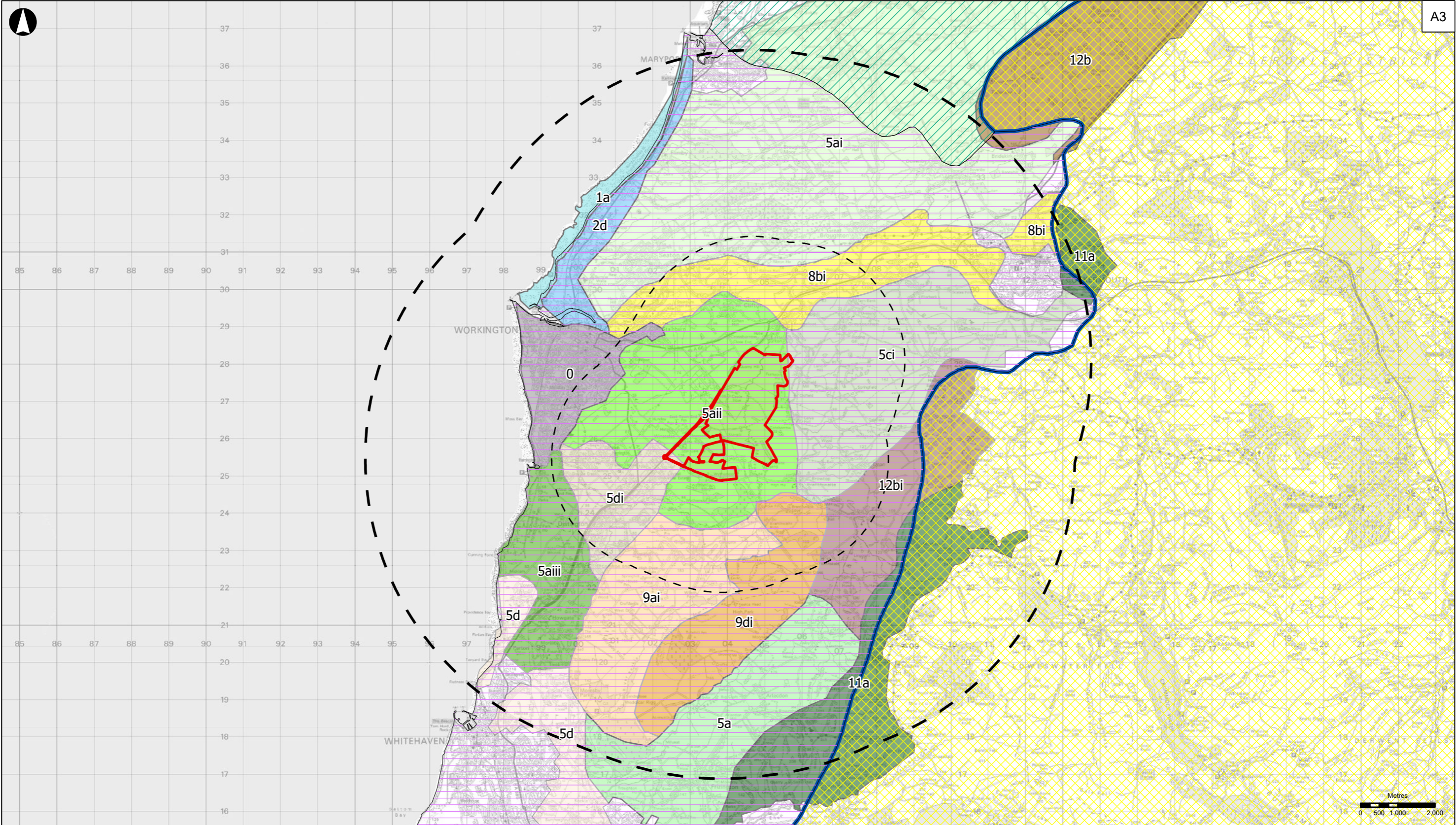
Role
Scoping Report

Suitability
Issued

Project Number 300884-00	Rev P01
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Drawing Number
LSF-SR13-00001

P01	21/05/2024	JEP	DB	BD	DB
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Legend

- draft Order Limits
- 3km Core Study Area
- 8km Search Area Buffer
- National Character Areas**
- NCA8 - LDNP and Cumbria High Fells
- NCA6 - Solway Basin
- NCA7 - West Cumbria Coastal Plain

Local Landscape Character SubTypes

- 0 - Urban Area
- 11a - Foothills
- 1a - Intertidal Flats
- 2d - Coastal Urban Fringe
- 5a - Ridge and Valley
- 5d - Urban Fringe
- 12b - Rolling Fringe
- 5ai - Ridge and Valley Workington to Cockermouth

- 5aai - Ridge and Valley east of Workington
- 5aiii - Ridge and Valley south of Workington
- 5ci - Rolling Lowland Greysouthern to Dean
- 5di - Lillyhall and Winscales Urban Fringe
- 8bi - Broad Valleys Workington to Cockermouth
- 9ai - Dean Open Moorland
- 9di - Dean Moor Ridges
- 12bi - Ullock Rolling Fringe

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Client

Project Name
Lostrigg Solar

Drawing Title
Figure 13.2 Landscape receptors

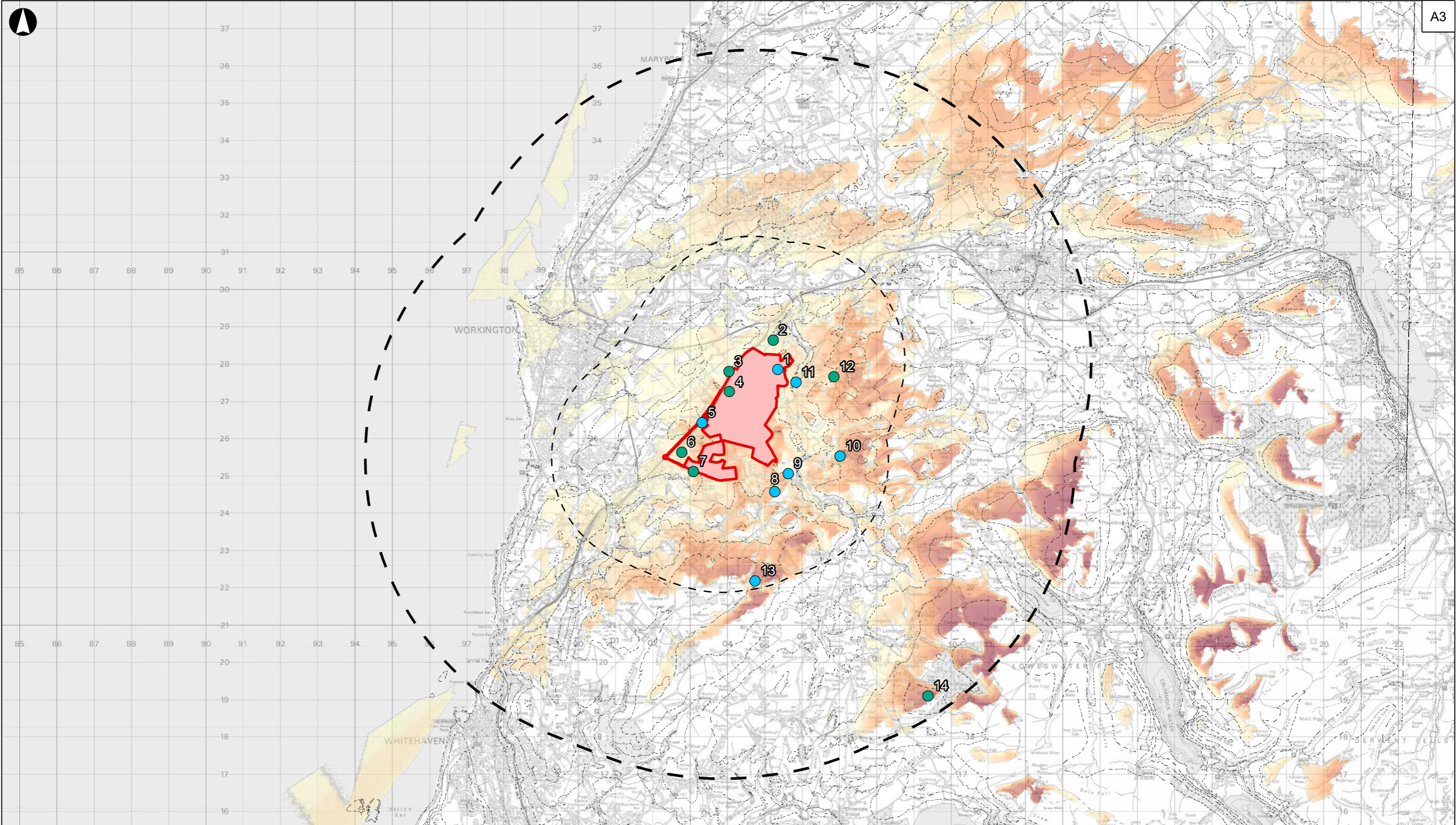
Scale at A3
1:100,000

Role
Scoping Report

Suitability
Issued

Project Number 300884-00	Rev P01
------------------------------------	-------------------

Drawing Number
LSF-SR13-00002



Legend

- draft Order Limits
- 3km Core Study Area
- 8km Search Area Buffer
- Viewpoints
- Viewpoints with photomontage visualisations
- Contour 25m
- Viewshed Value
- More visible
- Less visible

Metres
0 500 1,000 2,000

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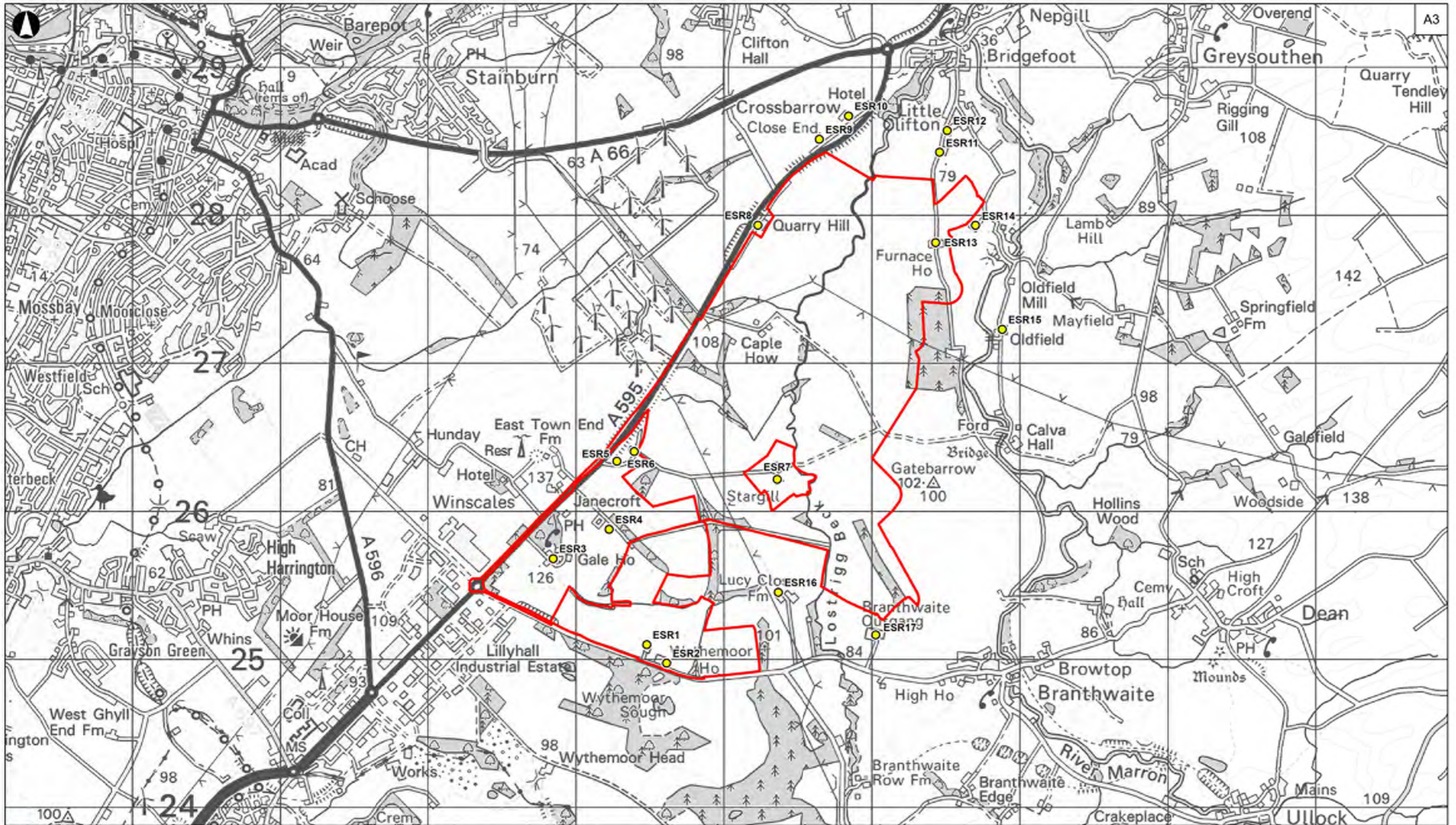
Drawing Title
Figure 13.3 Visual receptors

Scale at A3
1:100,000

Role
Scoping Report

Suitability
Issued

Project Number 300884-00	Rev P01
Drawing Number LSF-SR13-00003	



Legend
 draft Order Limits
● Noise Sensitive Receptors

Coordinate System: British National Grid
 Service or layer credits:
 Sensitive receptors identified from aerial imagery.
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Client:



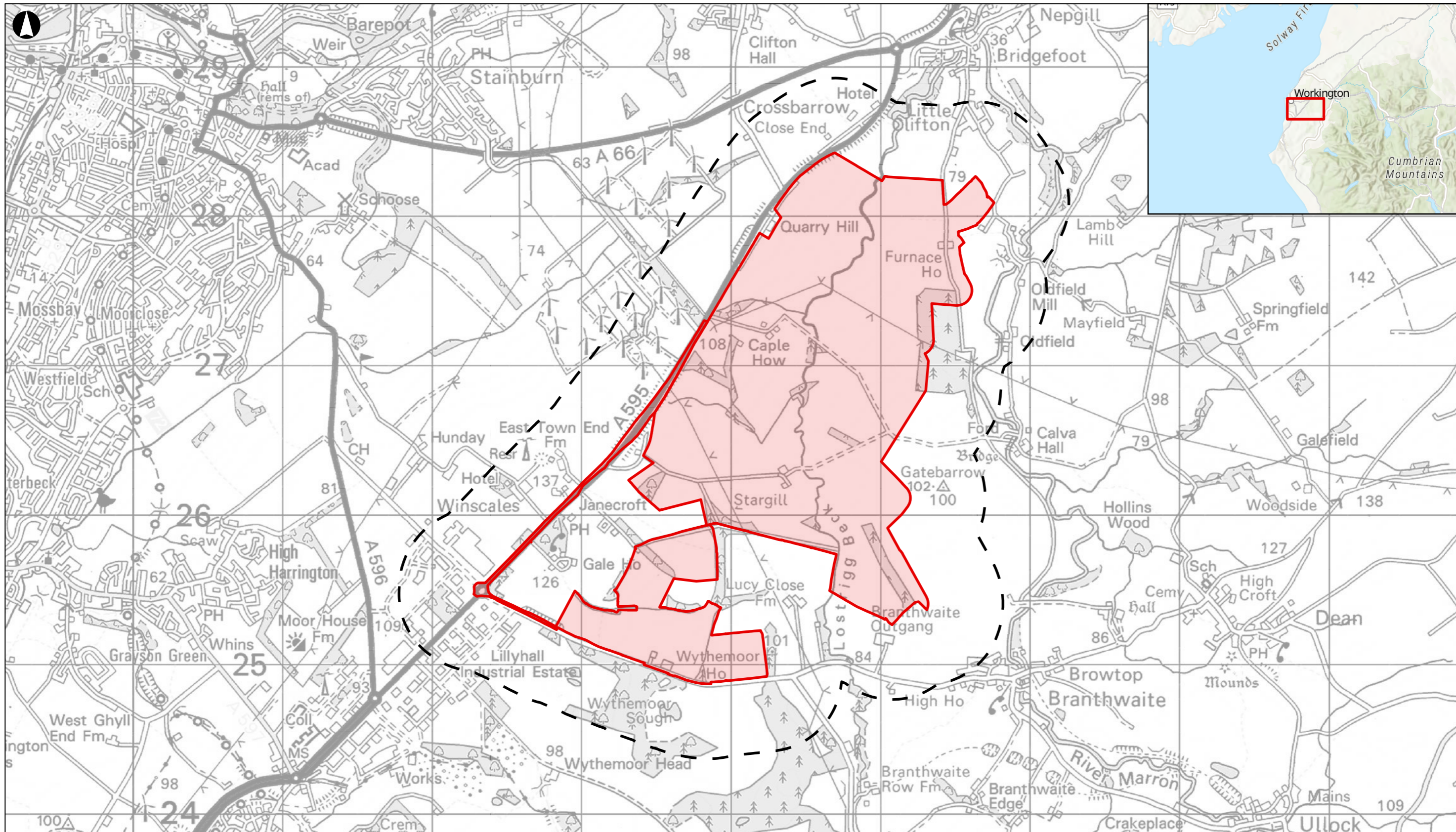
Project Name:
Lostrigg Solar

Drawing Title:
Figure 15.1 Noise Sensitive Receptor Plan

Scale of A3:
1:25,000
 Title:
Scoping Report
 Issue:
Issue
 Project Number:
300833-00
 Drawing Number:
LSF-SR15-00001

Rev	Date	By	Chk	Appd	Authd
P01	13/05/24	CP	NF	BD	DR

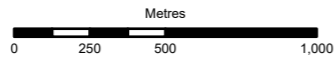




Legend

draft Order Limits

500m buffer from draft Order Limits



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NASA, USGS, Esri, CGIAR, USGS

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Client



Project Name

Lostrigg Solar

Drawing Title

Figure 16.1 Socio-economic Study Area

Scale at A3

1:25,000

Role

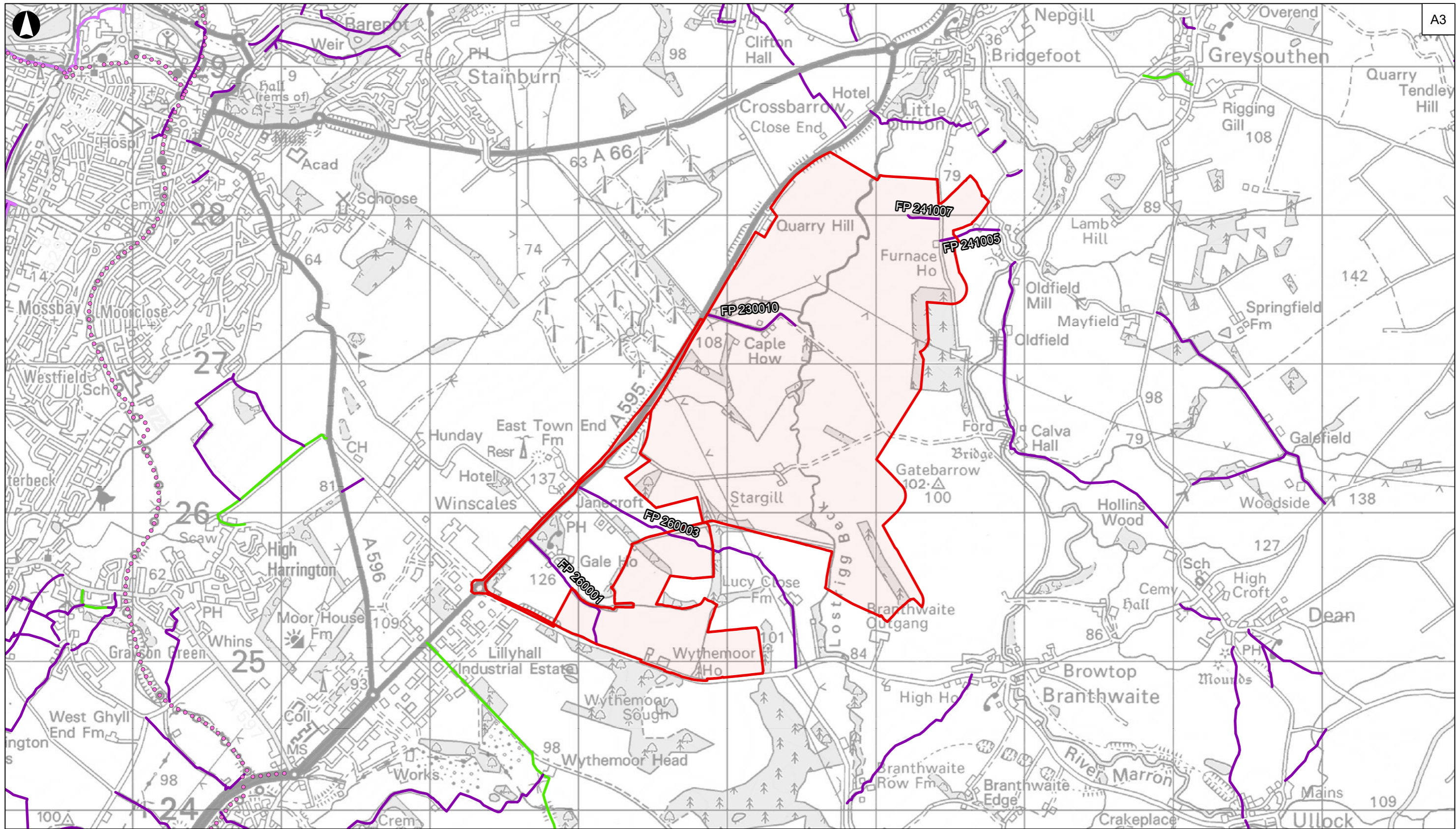
Scoping Report

Suitability
Issued

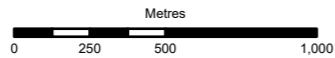
Project Number
300884-00

Rev
P01

Drawing Number
LSF-SR16-00001



- Legend**
- draft Order Limits
 - ⋯ National Cycle Network
 - England Coast Path Route
 - PRoW**
 - Bridleway
 - Coastal Path
 - Footpath



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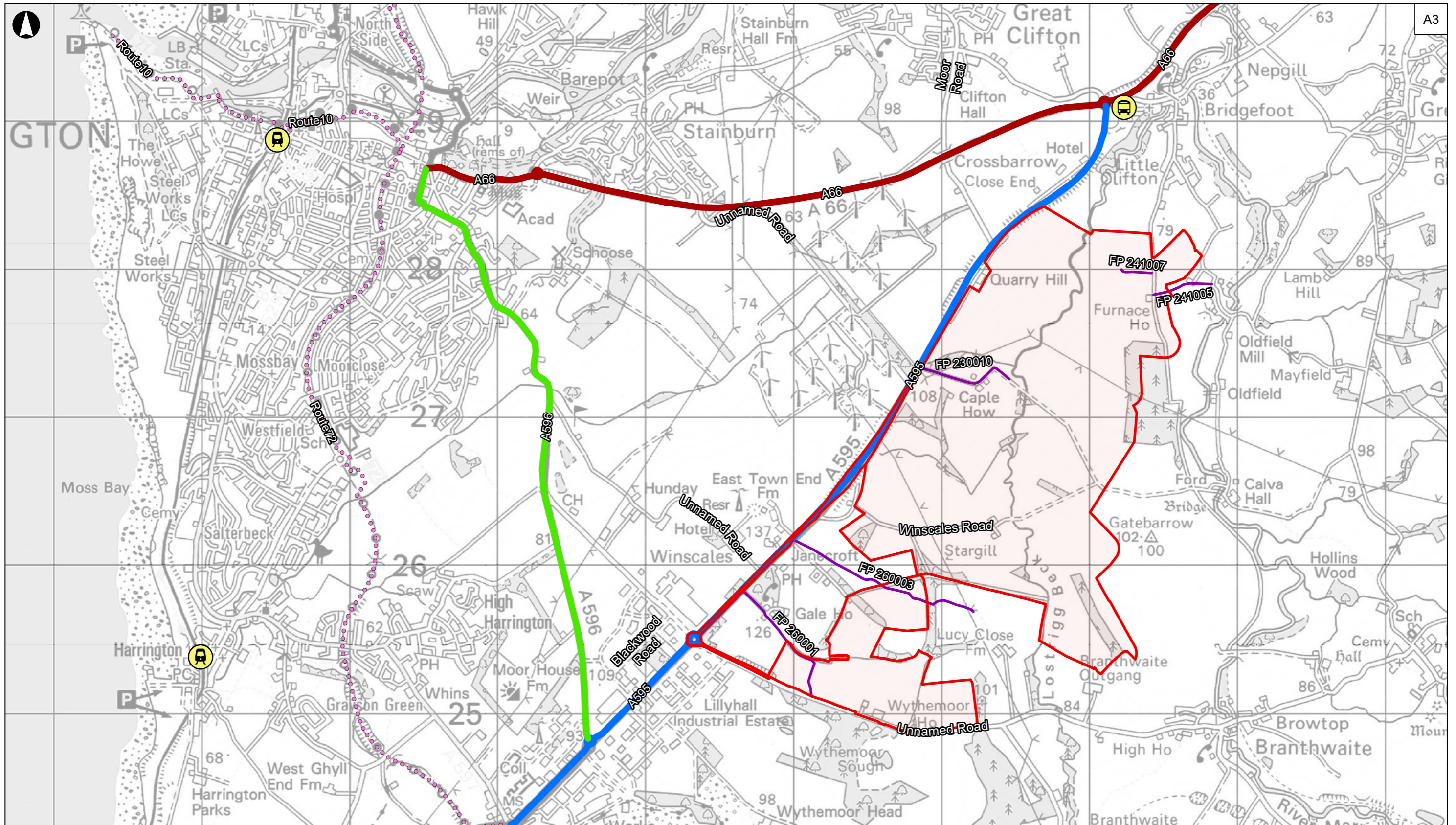
Drawing Title
Figure 16.2 Rights of way

Scale at A3
1:25,000

Role
Scoping Report

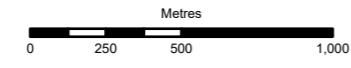
Suitability
Issued

Project Number 300884-00	Rev P01
Drawing Number LSF-SR16-0002	



- Legend**
- draft Order Limits
 - A66 A66
 - A595 A595
 - A596 A596
 - National Cycle Network (Route 72) National Cycle Network (Route 72)
 - PRoW PRoW
 - Footpath Footpath
 - B Bus Station
 - R Railway Station

- A66 A66
- A595 A595
- A596 A596
- National Cycle Network (Route 72) National Cycle Network (Route 72)
- PRoW PRoW
- Footpath Footpath



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Rev	Date	By	Chkd	Appd	Authd

Client

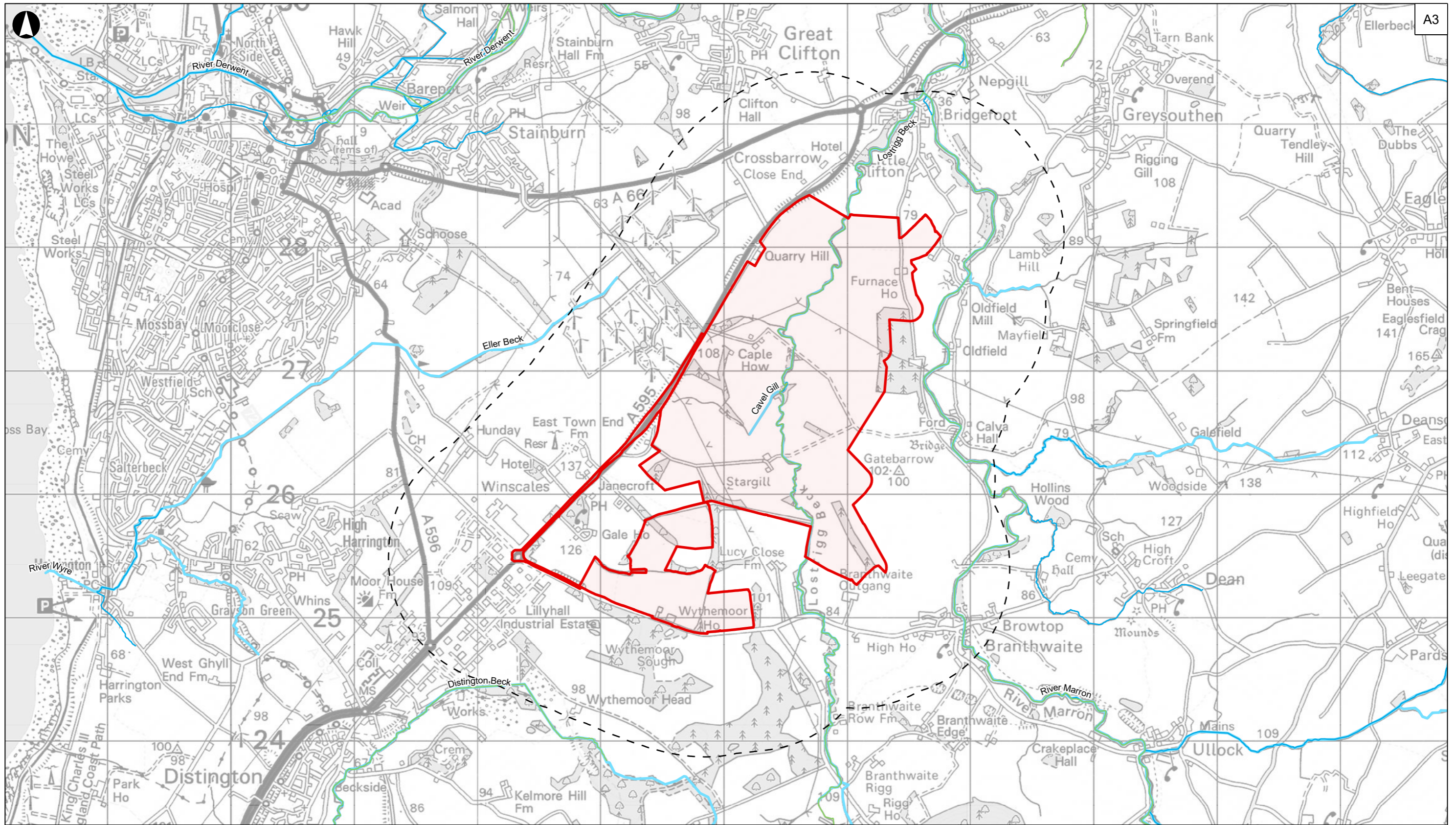


Project Name
Lostrigg Solar

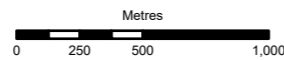
Drawing Title
Figure 17.1 Baseline Traffic and Transport Conditions

Scale at A3
1:25,000
 Role
Scoping Report
 Suitability
Issued
 Project Number
300884-00
 Drawing Number
LSF-SR17-00001

Rev
P01



- Legend**
- draft Order Limits
 - 1km Study Area
 - Canal
 - Main River
 - Watercourses



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Client



Project Name

Lostrigg Solar

Drawing Title

Figure 18.1 Surface water features

Scale at A3

1:30,000

Role

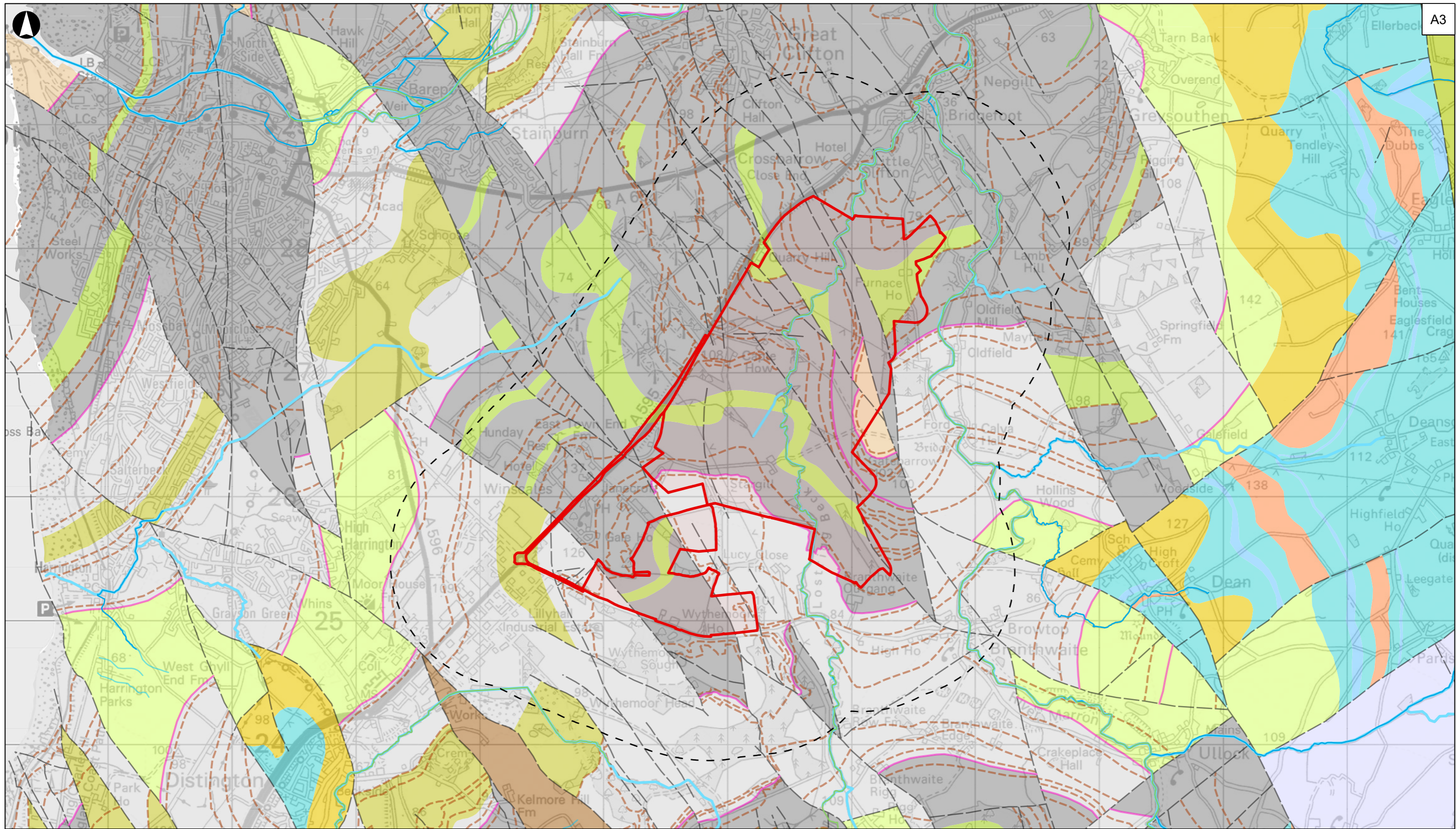
Scoping Report

Suitability
Issued

Project Number
300884-00

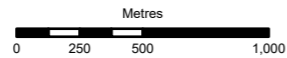
Rev
P01

Drawing Number
LSF-SR18-00001



- Legend**
- draft Order Limits
 - 1km Study Area
 - Canal
 - Main River
 - Watercourses

See sheet 2 for geology legend



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Client



Project Name
Lostrigg Solar

Drawing Title
**Figure 18.2 Bedrock geology
 Sheet 1 of 2**

Scale at A3
1:30,000


Role
Scoping Report

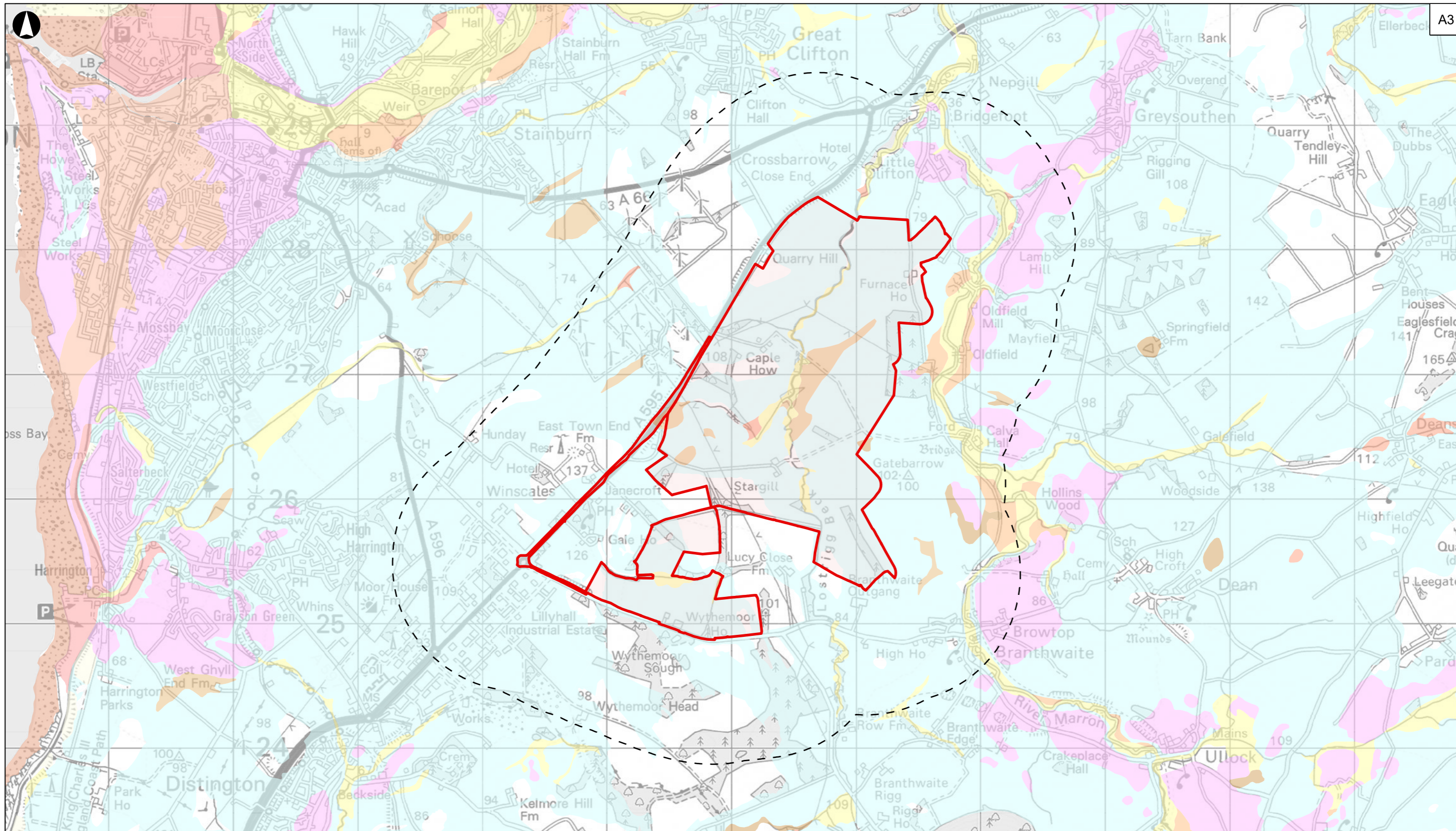
Suitability
Issued

Project Number 300884-00	Rev P01
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Drawing Number
LSF-SR18-00002

Legend		
Bedrock		
	SBS-SDST	ST BEES SANDSTONE MEMBER - SANDSTONE
	BK-BREC	BROCKRAM - BRECCIA
	MYTB-MDSL	MILLYEAT MEMBER - MUDSTONE, SANDSTONE AND LIMESTONE
	PUCM-MDSS	PENNINE UPPER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE
	PUCM-SDST	PENNINE UPPER COAL MEASURES FORMATION - SANDSTONE
	WS-SDST	WHITEHAVEN SANDSTONE FORMATION - SANDSTONE
	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE
	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE
	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE
	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE
	HG-SDST	HENSINGHAM GRIT - SANDSTONE
	LM1-LMST	FIRST LIMESTONE (CUMBRIA) - LIMESTONE
	SMGP-MDSL	STAINMORE FORMATION - MUDSTONE, SANDSTONE AND LIMESTONE
	SMGP-MDSS	STAINMORE FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE
	LM2-LMST	SECOND LIMESTONE (CUMBRIA) - LIMESTONE
	LM3-LMST	THIRD LIMESTONE (CUMBRIA) - LIMESTONE
	OBS-SDST	OREBANK SANDSTONE - SANDSTONE
	SH1-SDSM	FIRST SHALE MEMBER - SANDSTONE, SILTSTONE AND MUDSTONE
	SH3-SDSM	THIRD SHALE MEMBER - SANDSTONE, SILTSTONE AND MUDSTONE
	SH3-SDST	THIRD SHALE MEMBER - SANDSTONE
	LM4-LMST	FOURTH LIMESTONE (CUMBRIA) - LIMESTONE
	LM4-SDSM	FOURTH LIMESTONE (CUMBRIA) - SANDSTONE, SILTSTONE AND MUDSTONE
	LM5-LMST	FIFTH LIMESTONE (CUMBRIA) - LIMESTONE
	LM6-LMST	SIXTH LIMESTONE (CUMBRIA) - LIMESTONE
	SH4-SDSM	FOURTH SHALE MEMBER - SANDSTONE, SILTSTONE AND MUDSTONE
	SH6-SDST	SIXTH SHALE MEMBER - SANDSTONE
	ESKT-LMAS	ESKETT LIMESTONE FORMATION - LIMESTONE, ARGILLACEOUS ROCKS AND SUBORDINATE SANDSTONE, INTERBEDDED
	ESKT-LMST	ESKETT LIMESTONE FORMATION - LIMESTONE
	ESKT-SDSM	ESKETT LIMESTONE FORMATION - SANDSTONE, SILTSTONE AND MUDSTONE
	ESKT-SDST	ESKETT LIMESTONE FORMATION - SANDSTONE
	FRESK-LMST	FRIZINGTON LIMESTONE FORMATION AND ESKETT LIMESTONE FORMATION (UNDIFFERENTIATED) - LIMESTONE
	FRLI-LMAS	FRIZINGTON LIMESTONE FORMATION - LIMESTONE, ARGILLACEOUS ROCKS AND SUBORDINATE SANDSTONE, INTERBEDDED
	FRLI-LMST	FRIZINGTON LIMESTONE FORMATION - LIMESTONE
	FRLI-SDST	FRIZINGTON LIMESTONE FORMATION - SANDSTONE
	FRLM6-LMST	FRIZINGTON LIMESTONE FORMATION AND SIXTH LIMESTONE (CUMBRIA) (UNDIFFERENTIATED) - LIMESTONE
	GSCL-LMAS	GREAT SCAR LIMESTONE GROUP - LIMESTONE, ARGILLACEOUS ROCKS AND SUBORDINATE SANDSTONE, INTERBEDDED
	CKML-BA	COCKERMOUTH VOLCANIC FORMATION - BASALT
	MASA-CONG	MARSETT SANDSTONE FORMATION - CONGLOMERATE
	LDDMI-TO	LAKE DISTRICT DEVONIAN MINOR INTRUSION SUITE - TONALITE
	SDCAD-LMPY	NORTH BRITAIN SILURO-DEVONIAN CALC-ALKALINE DYKE SUITE - LAMPROPHYRES
	HBE-MDSI	HOPE BECK FORMATION - MUDSTONE AND SILTSTONE
	KST-MDSI	KIRK STILE FORMATION - MUDSTONE AND SILTSTONE
	KST-SDST	KIRK STILE FORMATION - SANDSTONE
	LWF-WACKE	LOWESWATER FORMATION - WACKE
	BBF-SIMD	BITTER BECK FORMATION - SILTSTONE AND MUDSTONE, INTERBEDDED
	BUF-MDST	BUTTERMERE FORMATION - MUDSTONE
	SKG-MDSS	SKIDDAW GROUP - MUDSTONE, SILTSTONE AND SANDSTONE
	WHG-STMd	WATCH HILL FORMATION - SANDSTONE AND MUDSTONE
	EMBL-MCDI	EMBLETON MICRODIORITE INTRUSIONS - MICRODIORITE
	LDOMI-BA	LAKE DISTRICT ORDOVICIAN MINOR INTRUSION SUITE - BASALT
	LDOMI-MCGB	LAKE DISTRICT ORDOVICIAN MINOR INTRUSION SUITE - MICROGABBRO
Linear Features		
	Coal_seam_Inf	Coal seam, inferred
	Coal_seam_Obs	Coal seam, observed
	Fault_Inf_Downthrow_unspecified	Fault, inferred, displacement unknown
	Fault_Inf_HW	
	Fault_Obs_Downthrow_unspecified	Fault, observed, displacement unknown
	Fault_Sinistral_Inf	
	Fault_Thrust_Inf	
	Fold_Anticline	Axial plane trace of major anticline
	Fold_Syncline	Axial plane trace of major syncline
	Fold_Synform	Axial plane trace of major synform
	Glacial_meltwater_channel_Centre_Undiff	Glacial meltwater channel centre line, undifferentiated
	Marine_band	Marine band
	Mineral_Vein_Inf	Mineral vein, inferred

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P01	21/05/2024	FH	NW	BD	DB														
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Project Number	Rev																		
300884-00	P01																		



Legend
 draft Order Limits
 1km Study Area

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Client

Project Name

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1:30,000

Role

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P01

Drawing Number
LSF-SR18-00003

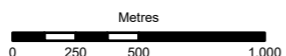
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Lostrigg Solar

Drawing Title
**Figure 18.3 Superficial geology
 Sheet 1 of 2**

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See sheet 2 for geology legend

Legend					
Superficial Deposits					
ALV-XCZSV	ALLUVIUM - CLAY, SILT, SAND AND GRAVEL	ALF-V	ALLUVIAL FAN DEPOSITS - GRAVEL	RTD1-XCSV	RIVER TERRACE DEPOSITS, 1 - CLAY, SAND AND GRAVEL
ITSFD-S	INTERTIDAL SANDFLAT DEPOSITS - SAND	ALF-XSV	ALLUVIAL FAN DEPOSITS - SAND AND GRAVEL	RTD2-XCSV	RIVER TERRACE DEPOSITS, 2 - CLAY, SAND AND GRAVEL
GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN - SAND AND GRAVEL	LAT-XCZ	LACUSTRINE ALLUVIUM - CLAY AND SILT	RTD3-XCSV	RIVER TERRACE DEPOSITS, 3 - CLAY, SAND AND GRAVEL
GFICD-XSV	GLACIOFLUVIAL ICE CONTACT DEPOSITS, DEVENSIAN - SAND AND GRAVEL	LDE-XCZ	LACUSTRINE DEPOSITS - CLAY AND SILT	RTDU-XCSV	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - CLAY, SAND AND GRAVEL
GFTDD-XSV	GLACIOFLUVIAL TERRACE DEPOSITS, DEVENSIAN - SAND AND GRAVEL	MBD-XSV	MARINE BEACH DEPOSITS - SAND AND GRAVEL	RTDU-XVSZ	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED) - GRAVEL, SAND AND SILT
HMGDD-XCSV	HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN - CLAY, SAND AND GRAVEL	PEAT-P	PEAT - PEAT	TALU-RFA	TALUS - ROCK FRAGMENTS, ANGULAR, UNDIFFERENTIATED SOURCE ROCK
TILLD-DMTN	TILL, DEVENSIAN - DIAMICTON	RMBD-XSV	RAISED MARINE BEACH DEPOSITS - SAND AND GRAVEL	SUPNM-UKNOWN	SUPERFICIAL THEME NOT MAPPED [FOR DIGITAL MAP USE ONLY] - UNKNOWN/UNCLASSIFIED ENTRY
		RMD-XCZ	RAISED MARINE DEPOSITS - CLAY AND SILT	SUPNM-WATR	SUPERFICIAL THEME NOT MAPPED [FOR DIGITAL MAP USE ONLY] - WATER, TYPE UNSPECIFIED

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**Figure 18.3 Superficial geology
Sheet 2 of 2**

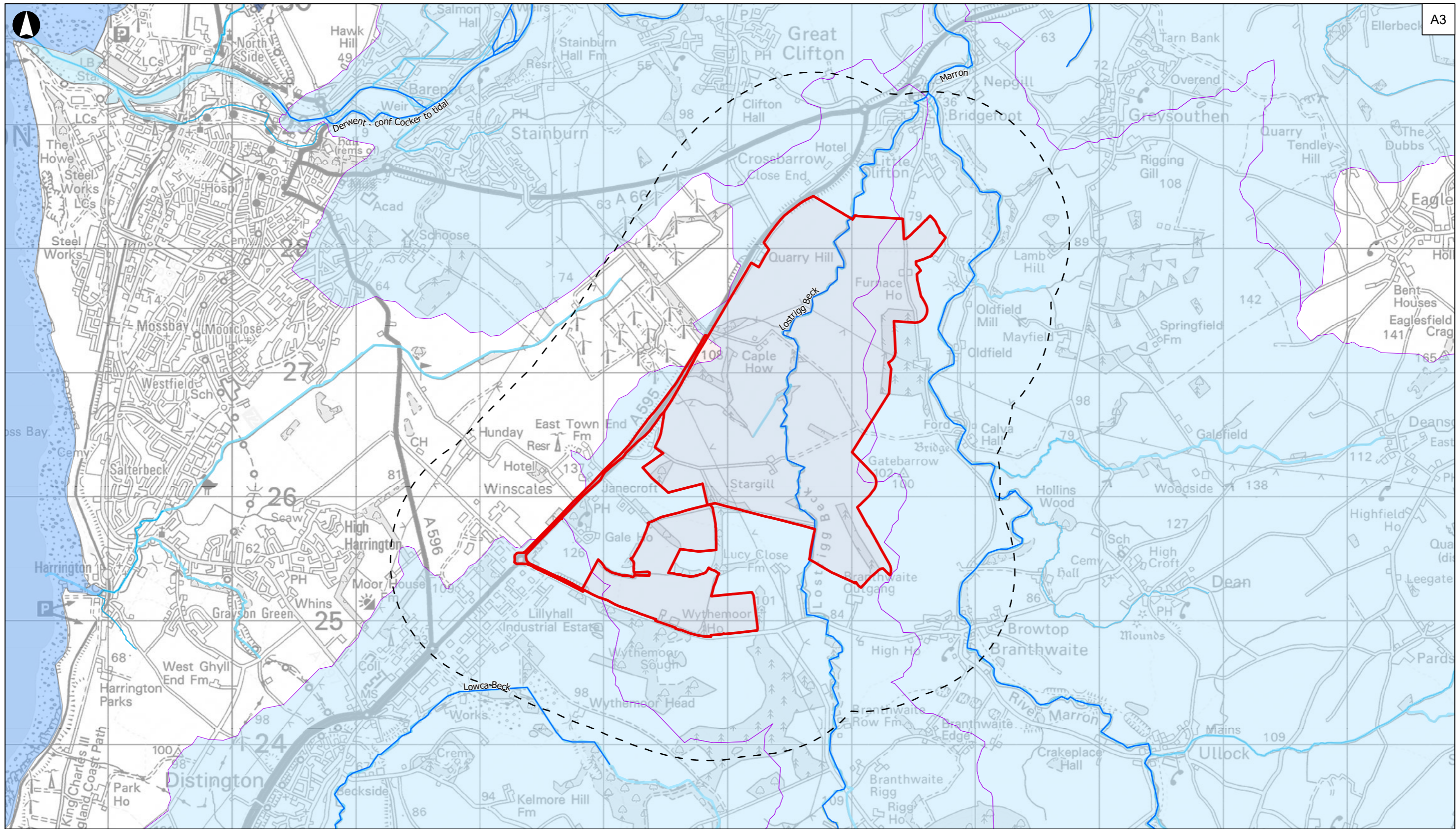
Scale at A3

Role
Scoping Report

Suitability
Issued

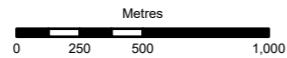
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Drawing Number
LSF-SR18-00003



Legend

- draft Order Limits
- 1km Study Area
- WFD Canals
- Main River
- Rivers
- River Catchments
- Waterbodies Within Study Area
- Coastal Water
- Lake
- Transitional Water



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Project Name
Lostrigg Solar

Drawing Title
Figure 18.4 WER WFD Surface and Transitional Water Catchments

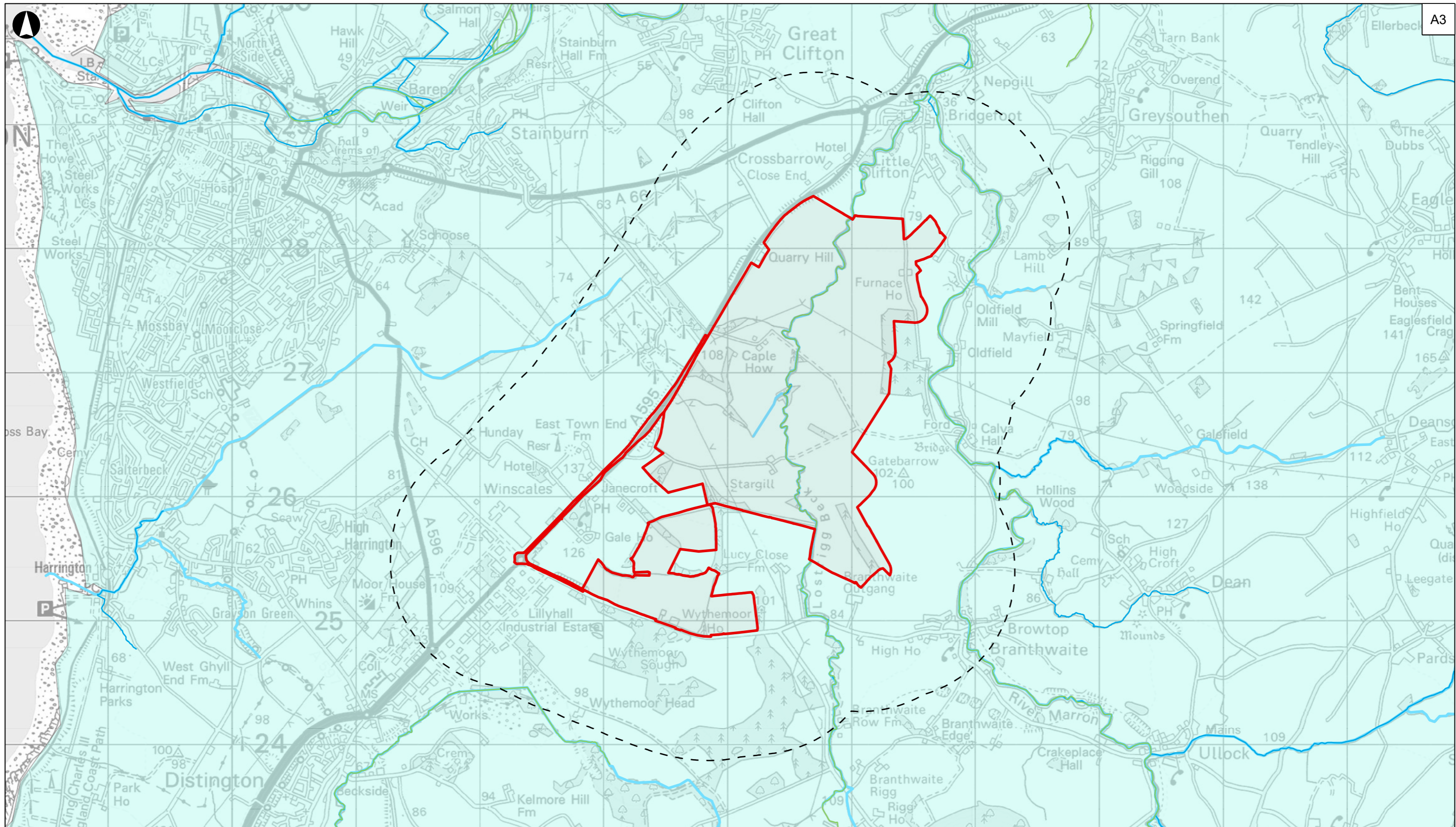
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Role
Scoping Report

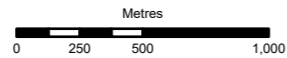
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Drawing Number
LSF-SR18-00004



- Legend**
- draft Order Limits
 - 1km Study Area
 - Canal
 - Main River
 - Watercourses
 - Derwent and West Cumbria Lower Palaeozoic and Carboniferous Aquifers



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Project Name

Lostrigg Solar

Drawing Title

Figure 18.5 WER WFD Groundwater Bodies

Scale at A3

1:30,000

Role

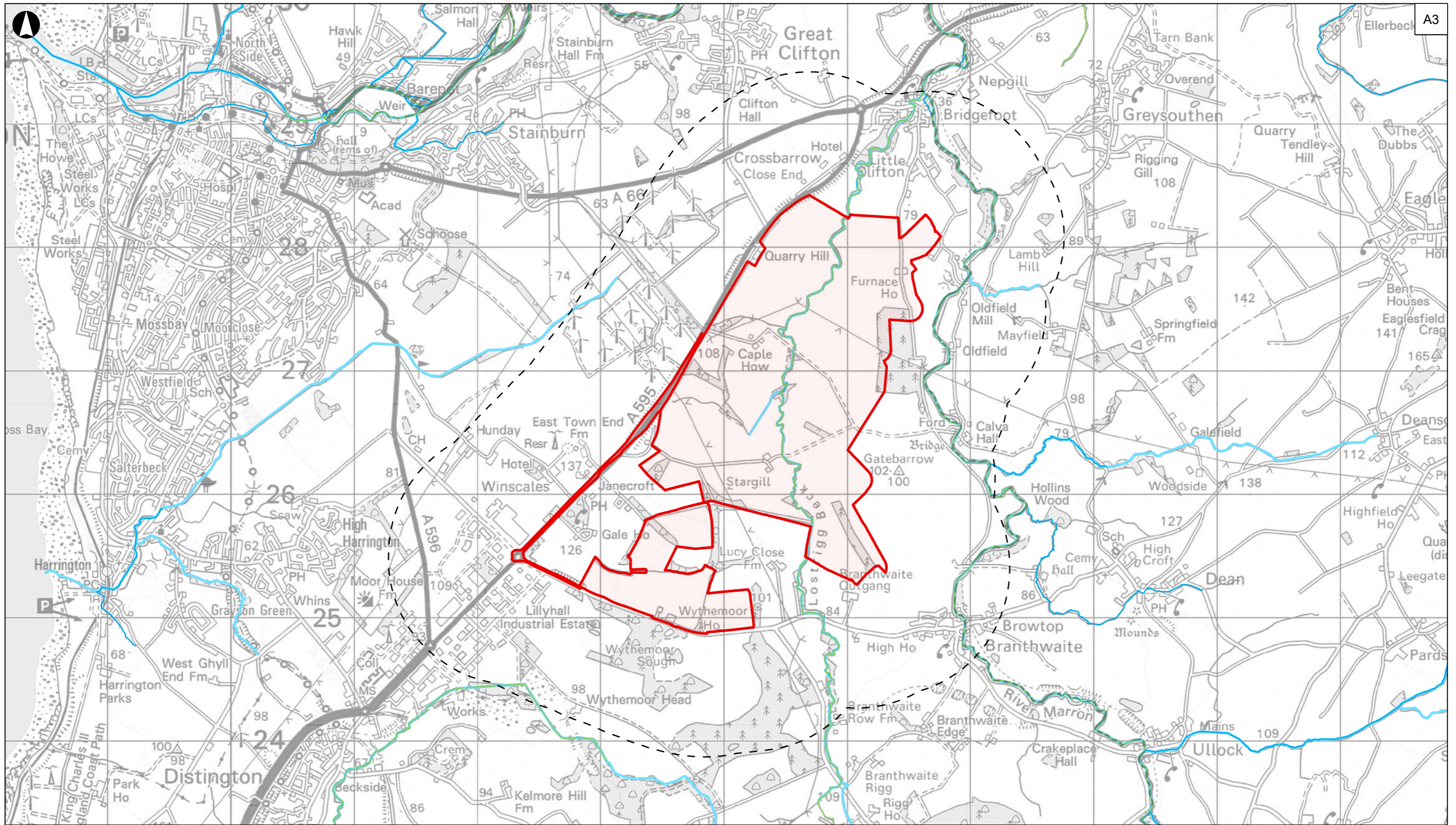
Scoping Report

Suitability
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Project Number
300884-00

Rev
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Drawing Number
LSF-SR18-00005



Legend

- draft Order Limits
- 1km Study Area
- Canal
- Main River
- Watercourses
- Groundwater Dependent Terrestrial Ecosystems (GWDE)

Metres
0 250 500 1,000

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RWE

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Drawing Title
Figure 18.6 Groundwater Designations

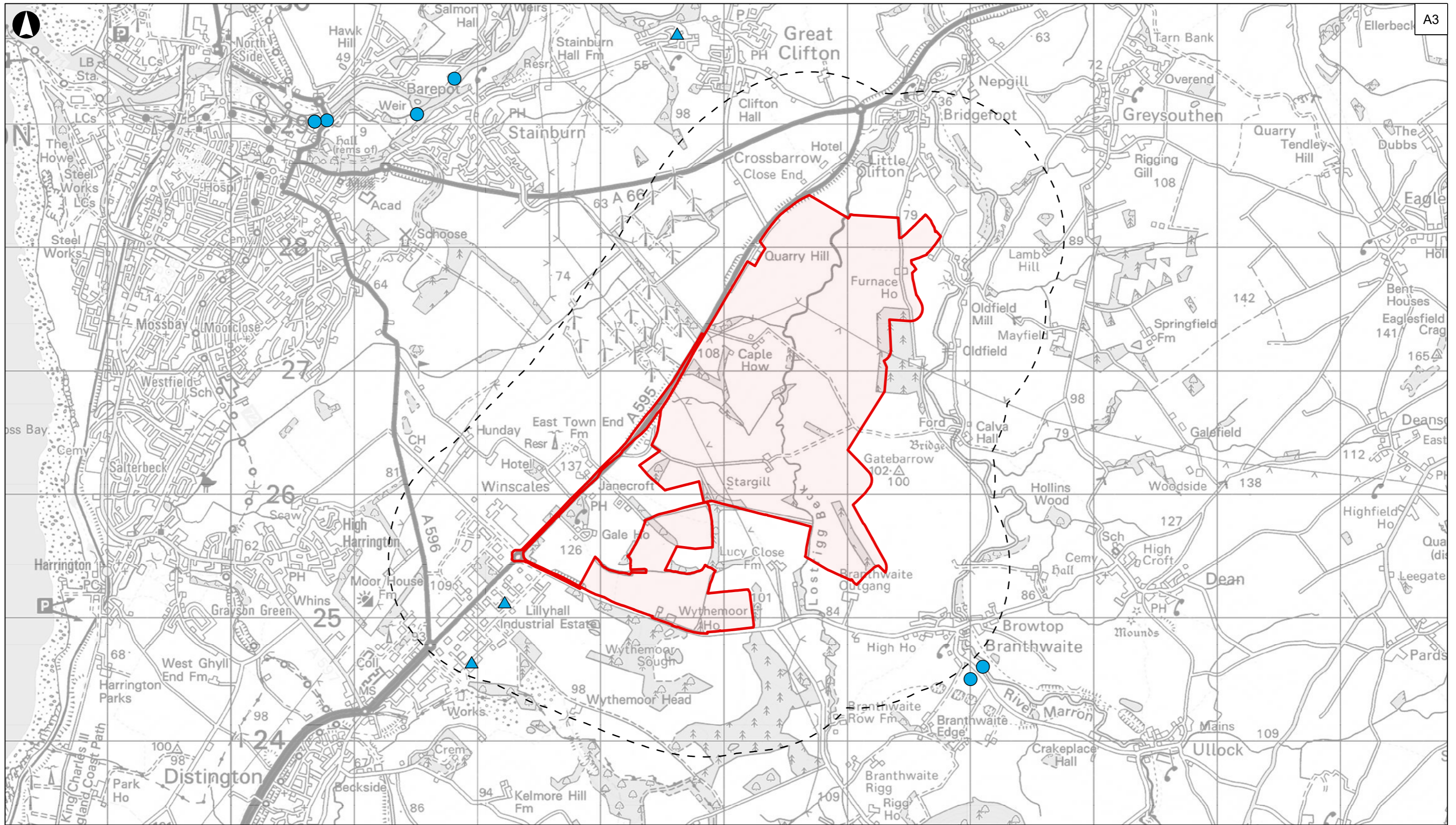
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Role
Scoping Report

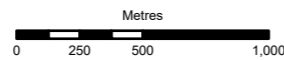
Suitability
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LSF-SR18-00006



- Legend**
- draft Order Limits
 - 1km Study Area
 - Licensed Abstractions**
 - ▲ Groundwater
 - Surface Water



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Project Name

Lostrigg Solar

Drawing Title

Figure 18.7 Licensed Abstractions

Scale at A3

1:30,000

Role

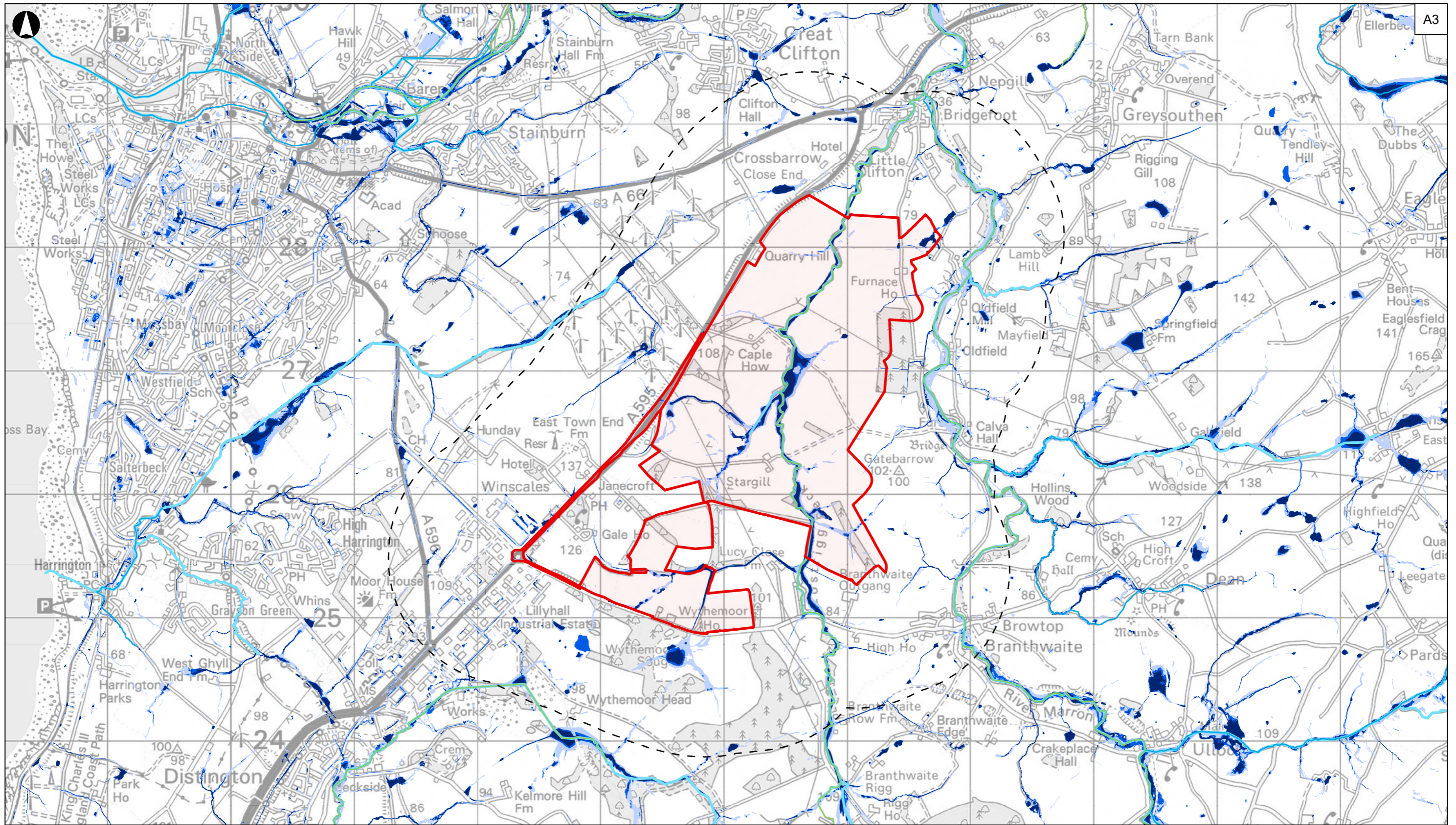
Scoping Report

Suitability
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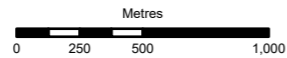
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P01

Drawing Number
LSF-SR18-00007



- Legend**
- draft Order Limits
 - 1km Study Area
 - Canal
 - Main River
 - Watercourses
- Extent of flooding from surface water**
- High
 - Medium
 - Low



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Drawing Title
Figure 18.8 Risk of flooding from surface water

Scale at A3
1:30,000

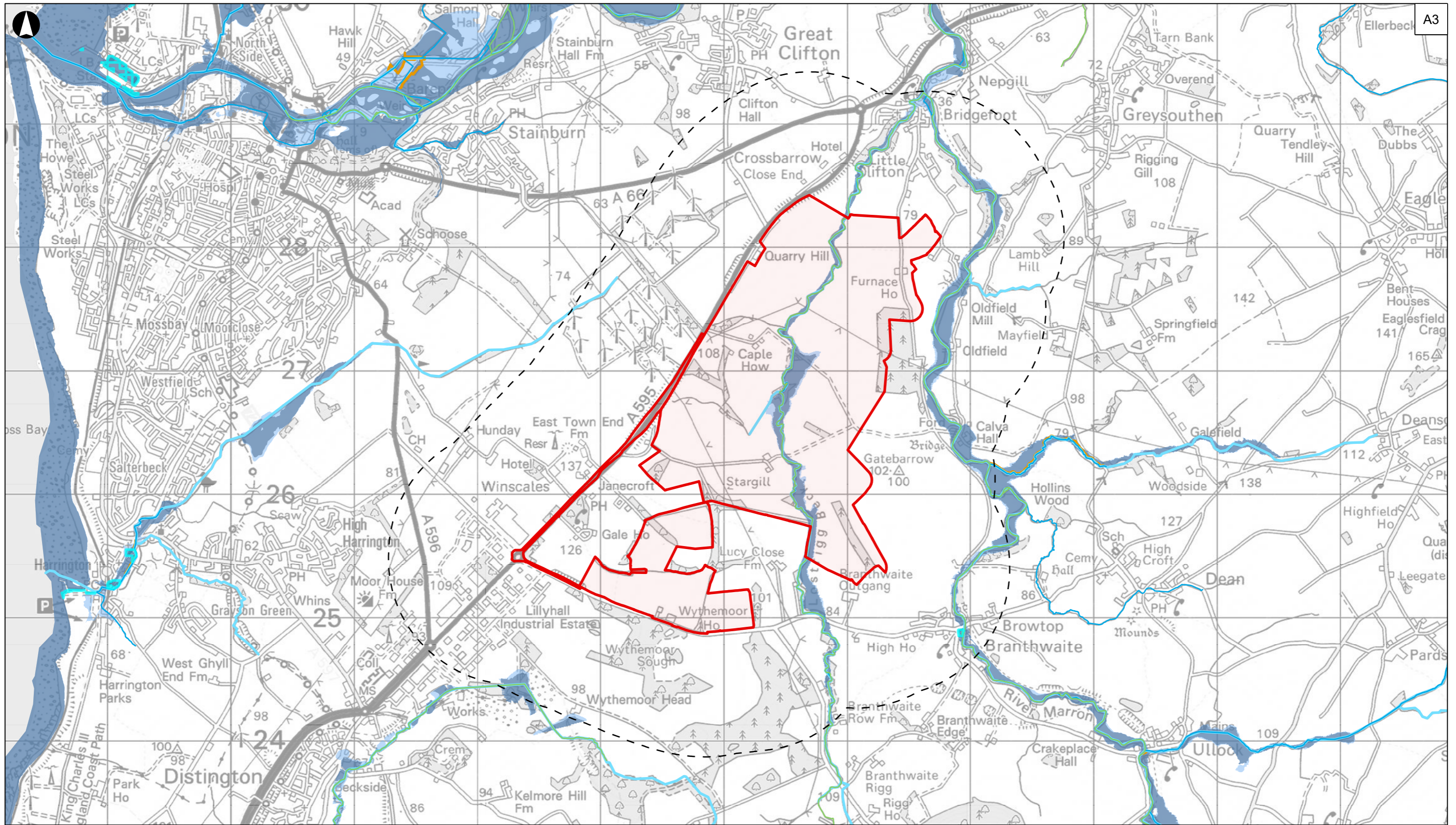
Role
Scoping Report

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Project Number
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P01

Drawing Number
LSF-SR18-00008



Legend

- draft Order Limits
- Flood Defences
- 1km Study Area
- Reduction in risk of flooding from rivers and sea
- Canal
- Flood Zone 3
- Main River
- Flood Zone 2
- Watercourses

Metres

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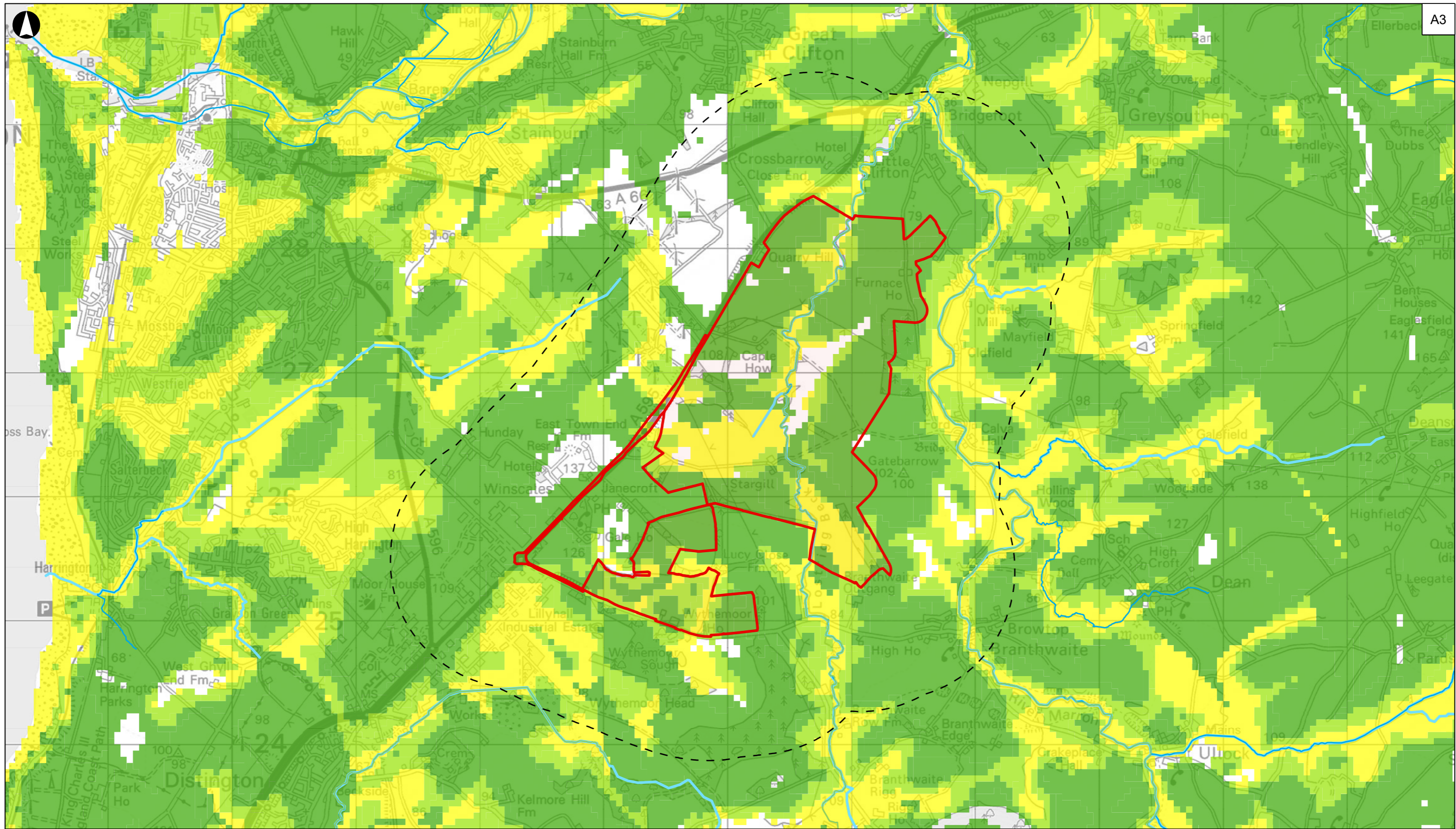
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Figure 18.9 Flooding from Rivers and Sea

Scale at A3
1:30,000

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Scoping Report

Suitability
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Drawing Number LSF-SR18-00009	



Legend

- draft Order Limits
- 1km Study Area
- Canal
- Main River
- Watercourses
- Limited potential for groundwater flooding to occur
- Potential for groundwater flooding of property situated below ground level
- Potential for groundwater flooding to occur at surface

Metres

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Figure 18.10 Flooding from Groundwater

Scale at A3
1:30,000

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