WHITESTONE SOLAR FARM

Volume 6: Environmental Statement

6.19 Chapter 10: Figures

Application Document ref. EN0110020/APP/6.19
Revision 01
June 2026

Planning Act (2008)
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009
Regulations 5(2)(a)

whitestonesolarfarm.co.uk

Document status					
Version	**Purpose of document**	**Authored by**	**Reviewed by**	**Approved by**	**Review date**
Rev01	DCO Submission	ERM	DWD, TLT, Whitestone Net Zero Ltd	Whitestone Net Zero Ltd	1 June 2026

Approval for issue		
Whitestone Net Zero Ltd	[redacted]	1 June 2026

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Prepared by:

ERM

Prepared for:

Whitestone Net Zero Ltd.

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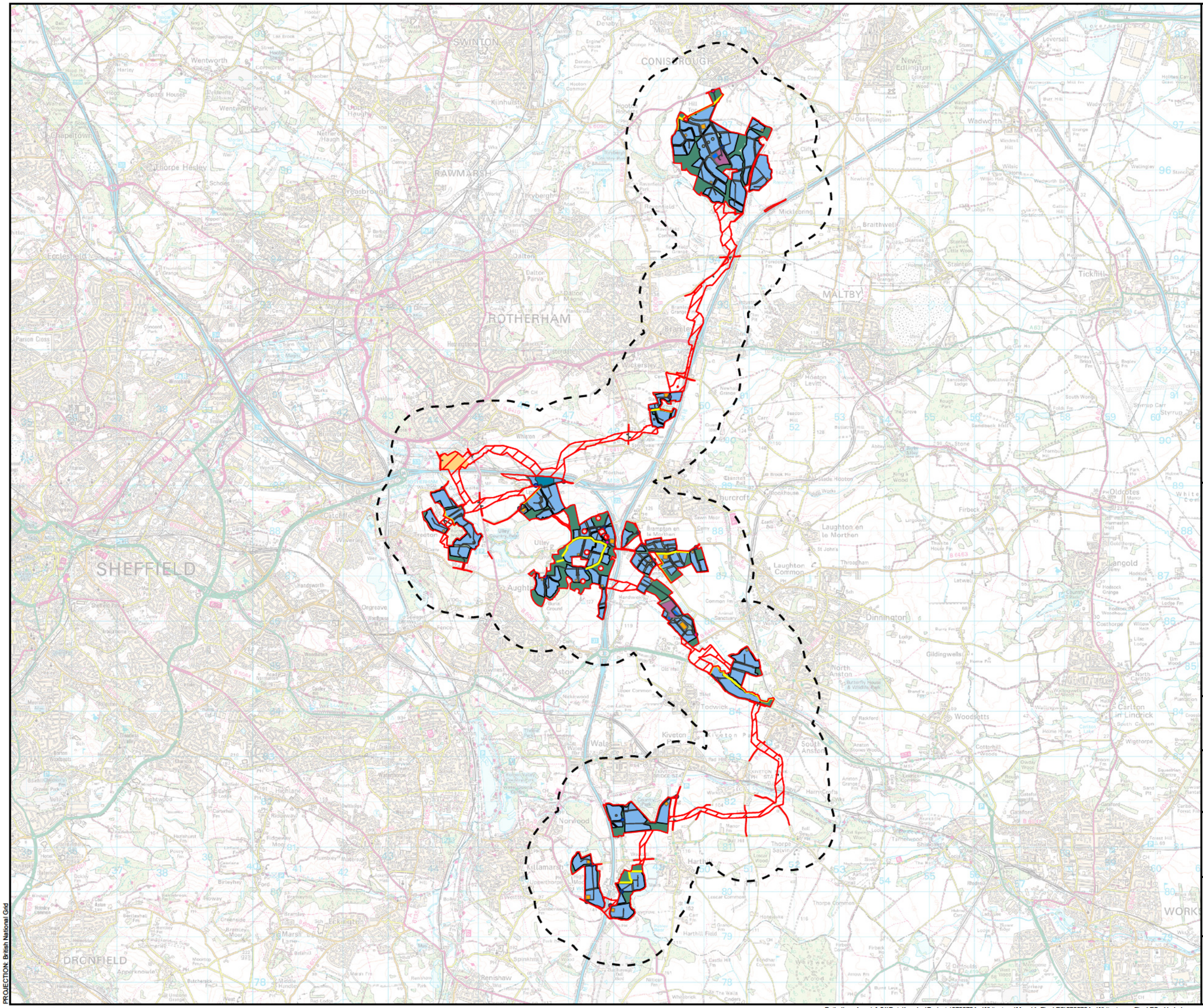

Order Limits
Cable Route
1 km Study Area

Site Infrastructure

Permissive Paths
Visibility Splay
Access Point
PV Road
Crossing Point
Suds Pond
Construction Laydown
PV Fence
BESS
Substation
Long Lane 400kV Substation
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland

0 1 2 3
Kilometres

N

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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.1
Water Resources and Flood Risk Study Area
Sheet 1 of 1

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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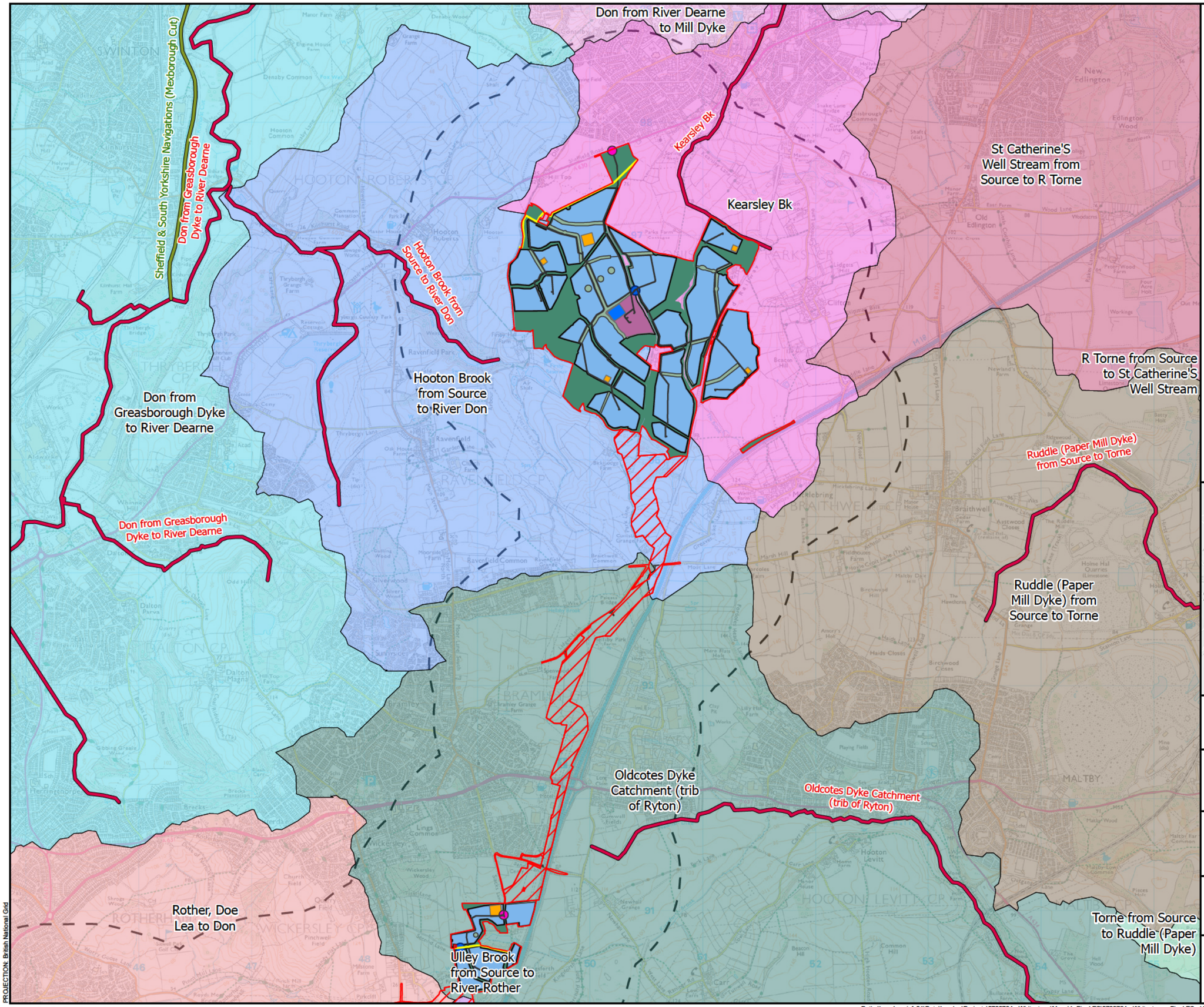

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Environmental Statement Volume 3
Figure 10.2
WFD Designated Watercourses
Sheet 1 of 3

Reference: EN0110020/APP/6.19
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Don from Greasborough Dyke to River Dearne

Ruddle (Paper Mill Dyke) from Source to Torne

Oldcotes Dyke Catchment (trib of Ryton)

Oldcotes Dyke Catchment (trib of Ryton)

Oldcotes Dyke Catchment (trib of Ryton)

Rother, Doe Lea to Don

Ulley Brook from Source to River Rother

Ulley Brook from Source to River Rother

Rother, Doe Lea to Don

Rother, Doe Lea to Don

Shire Brook

Shire Brook

Pigeon Bridge Brook from Source to River Rother

Pigeon Bridge Brook from Source to River Rother

Anston Brook from Source to River Ryton

Anston Brook from Source to River Ryton

Owlands Wood Dyke from Source to Hodscok Brook

Broad Bridge Dyke Catchment (trib of Chesterfield Canal)

Ryton from Chesterfield Canal to Anston Brook

Rother, Doe Lea to Don

PROJECTION: British National Grid

Order Limits
Cable Route
1 km Study Area

Site Infrastructure
- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Suds Pond
- Construction Laydown
- PV Fence
- BESS
- Substation
- Long Lane 400kV Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

Hydrology
- WFD Canal Water Bodies
- WFD River Water Bodies

WFD River Waterbody Catchments
- Anston Brook from Source to River Ryton
- Broad Bridge Dyke Catchment (trib of Chesterfield Canal)
- Don from Greasborough Dyke to River Dearne
- Don from River Don Works to River Rother
- Oldcotes Dyke Catchment (trib of Ryton)
- Owlands Wood Dyke from Source to Hodscok Brook
- Pigeon Bridge Brook from Source to River Rother
- Rother, Doe Lea to Don
- Ruddle (Paper Mill Dyke) from Source to Torne
- Ryton from Chesterfield Canal to Anston Brook
- Shire Brook
- Ulley Brook from Source to River Rother



0 250 500 750 1,000
Metres

N

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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.2
WFD Designated Watercourses
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Reference: EN0110020/APP/6.19
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Ulley Brook from Source to River Rother

Pigeon Bridge Brook from Source to River Rother

Pigeon Bridge Brook from Source to River Rother

Anston Brook from Source to River Ryton

Hodsoc Brook from Source to Owlands Wood Dyke

Owlands Wood Dyke from Source to Hodscok Brook

Anston Brook from Source to River Ryton

Rother, Doe Lea to Don

Broad Bridge Dyke Catchment (trib of Chesterfield Canal)

Chesterfield Canal, upper section

Ryton from Chesterfield Canal to Anston Brook

Ryton from Chesterfield Canal to Anston Brook

Broad Bridge Dyke Catchment (trib of Chesterfield Canal)

Rother, Doe Lea to Don

Rother, Doe Lea to Don

Ryton from Anston Brook to Idle

Doe Lea from Hawke Brooke to River Rother

Hawke Brook from Source to Doe Lea

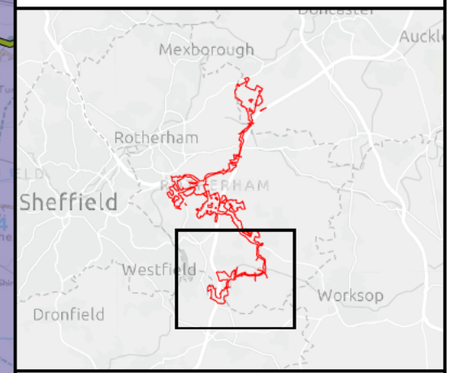
Millwood Brook Catchment (trib of Poulter)

Order Limits
Cable Route
1 km Study Area

Site Infrastructure
Permissive Paths
Visibility Splay
Access Point
PV Road
Crossing Point
Construction Laydown
PV Fence
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland

Hydrology
WFD Canal Water Bodies
WFD River Water Bodies

WFD River Waterbody Catchments
Anston Brook from Source to River Ryton
Broad Bridge Dyke Catchment (trib of Chesterfield Canal)
Doe Lea from Hawke Brooke to River Rother
Hawke Brook from Source to Doe Lea
Hodsoc Brook from Source to Owlands Wood Dyke
Millwood Brook Catchment (trib of Poulter)
Owlands Wood Dyke from Source to Hodscok Brook
Pigeon Bridge Brook from Source to River Rother
Rother, Doe Lea to Don
Ryton from Anston Brook to Idle
Ryton from Chesterfield Canal to Anston Brook
Ulley Brook from Source to River Rother



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Environmental Statement Volume 3
Figure 10.2
WFD Designated Watercourses
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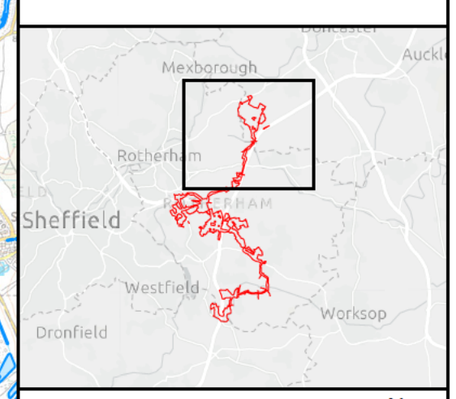
Order Limits
Cable Route
1 km Study Area

Site Infrastructure
- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Suds Pond
- Construction Laydown
- PV Fence
- Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

Hydrology
- EA Main Rivers
- Ordinary Watercourses
- OS Waterbodies



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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.3
Surface Watercourses and Waterbodies
Sheet 1 of 3

Reference: EN0110020/APP/6.19
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Ulley Reservoir

Treeton Dyke

Rother Valley Country Park

- Order Limits
- Cable Route
- 1 km Study Area

Site Infrastructure

- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
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- Construction Laydown
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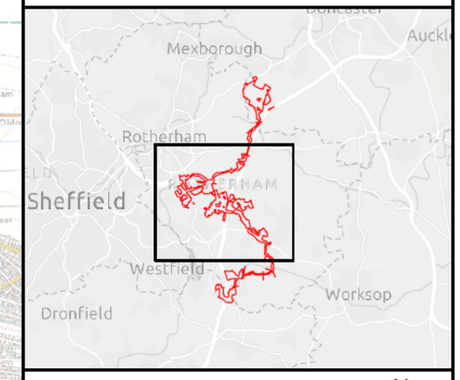
- Long Lane 400kV Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

Hydrology

- EA Main Rivers
- Ordinary Watercourses
- OS Waterbodies



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PROJECTION: British National Grid

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Whitestone Solar Farm
Environmental Statement Volume 3
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Rother Valley Country Park

Meadowgate Lake

Woodall Pond

Harthill Reservoir

Pebley Reservoir

Butcherlawn Pond



Order Limits
Cable Route
1 km Study Area

Site Infrastructure
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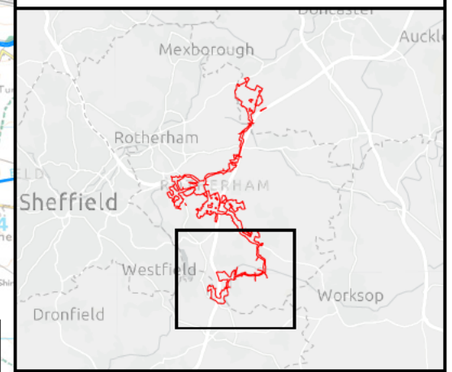
Construction Laydown
PV Fence
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland

Hydrology
EA Main Rivers
Ordinary Watercourses
OS Waterbodies



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Whitestone Solar Farm
Environmental Statement Volume 3
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Surface Watercourses and Waterbodies
Sheet 3 of 3

Reference: EN0110020/APP/6.19
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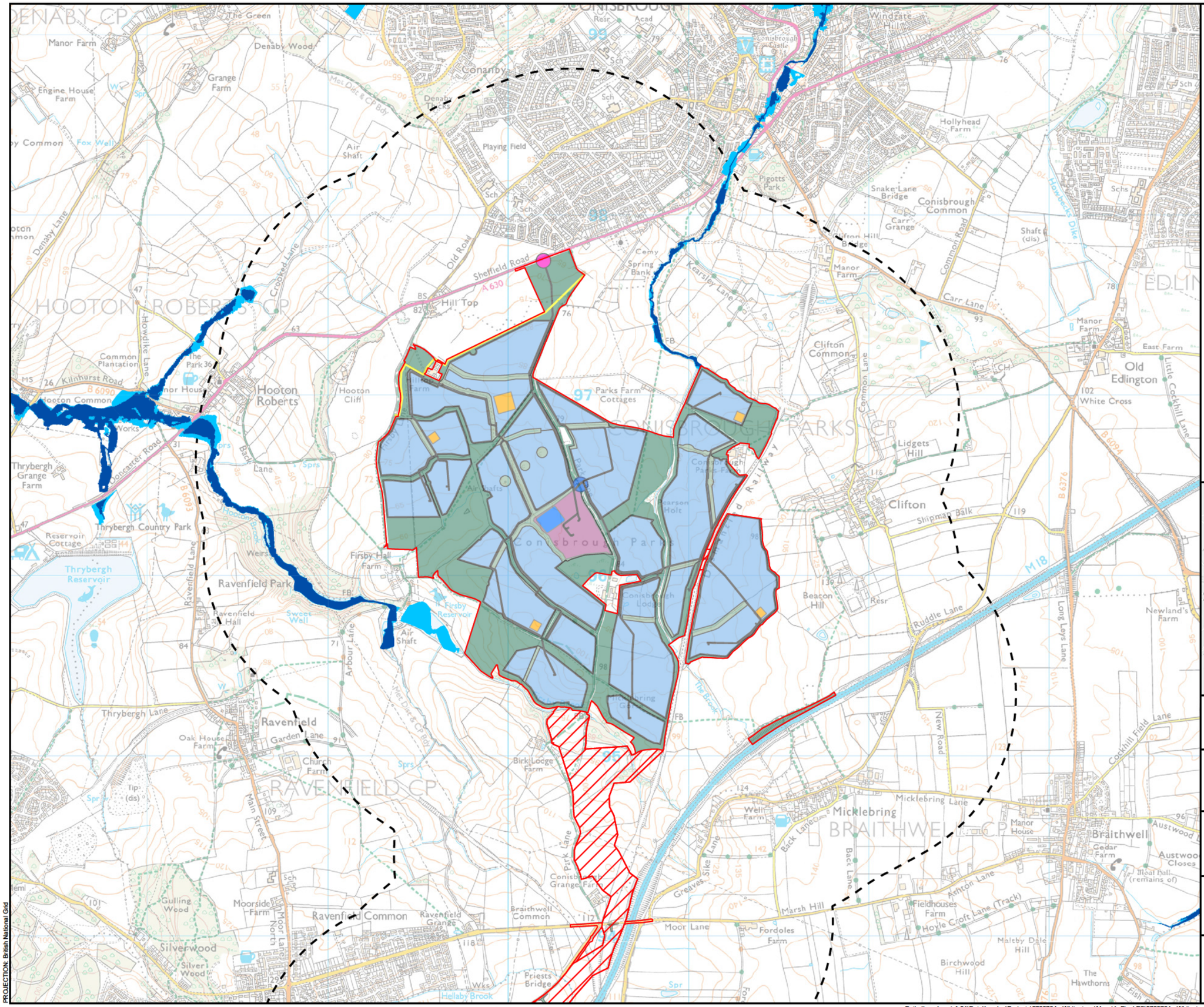


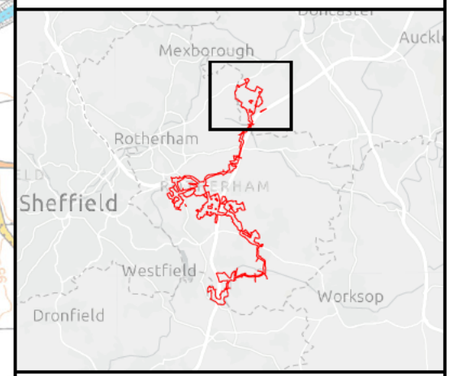
Order Limits
Cable Route
1 km Study Area

Site Infrastructure

- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Suds Pond
- Construction Laydown
- PV Fence
- Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

EA Flood Zones

- Flood Zone 3
- Flood Zone 2



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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.4
EA Flood Zones
Sheet 1 of 5

Reference: EN0110020/APP/6.19
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Order Limits
Cable Route
1 km Study Area

Site Infrastructure

- Permissive Paths
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EA Flood Zones

- Flood Zone 3
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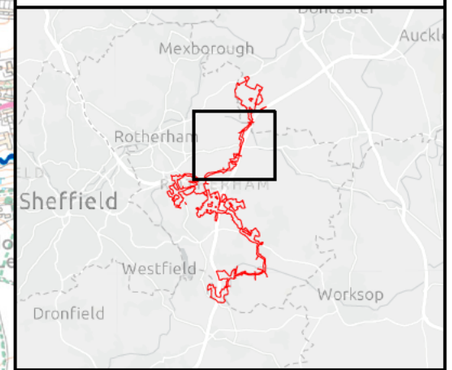

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EA Flood Zones
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Reference: EN0110020/APP/6.19
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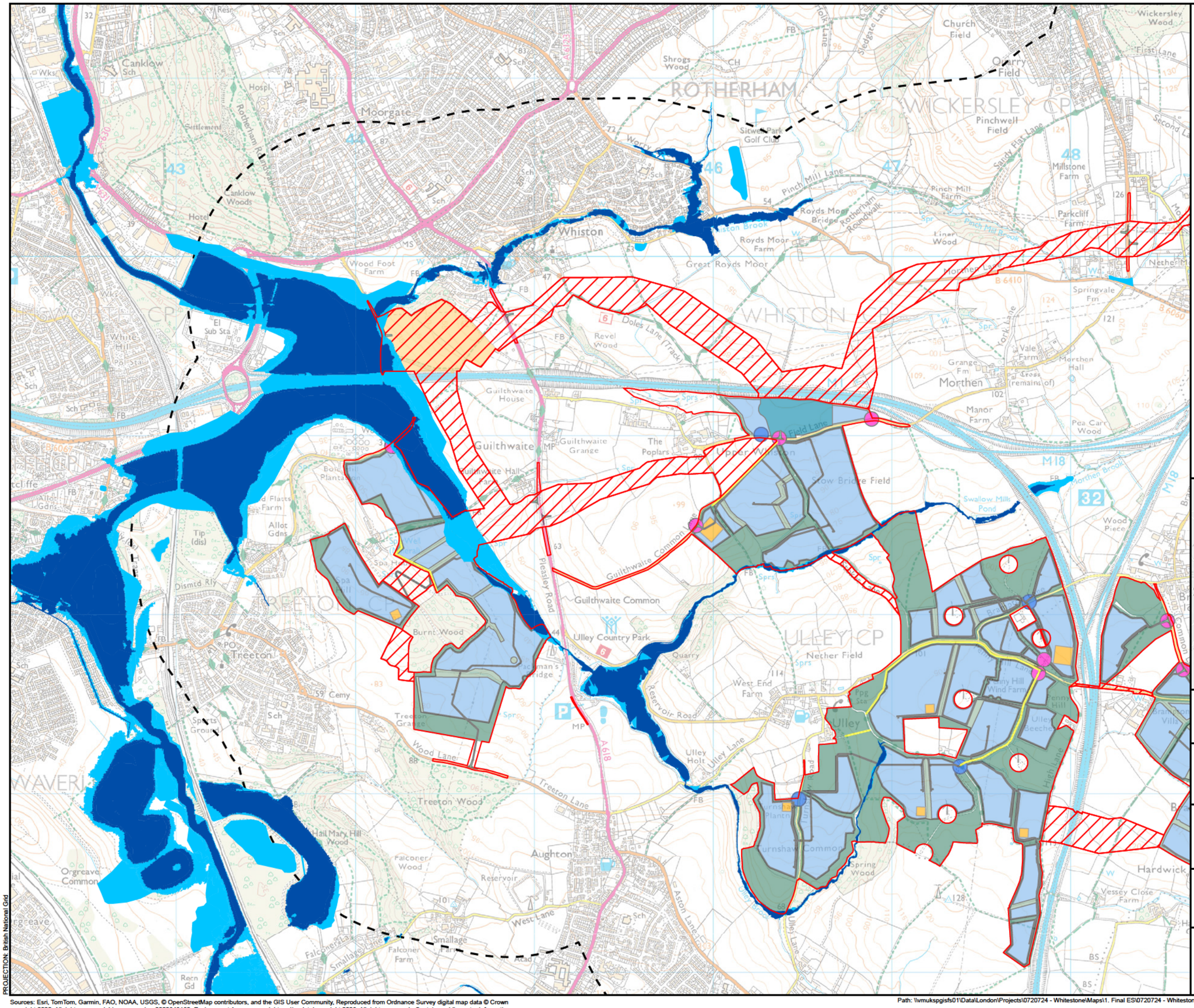

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Environmental Statement Volume 3
Figure 10.4
EA Flood Zones
Sheet 3 of 5

Reference: EN0110020/APP/6.19
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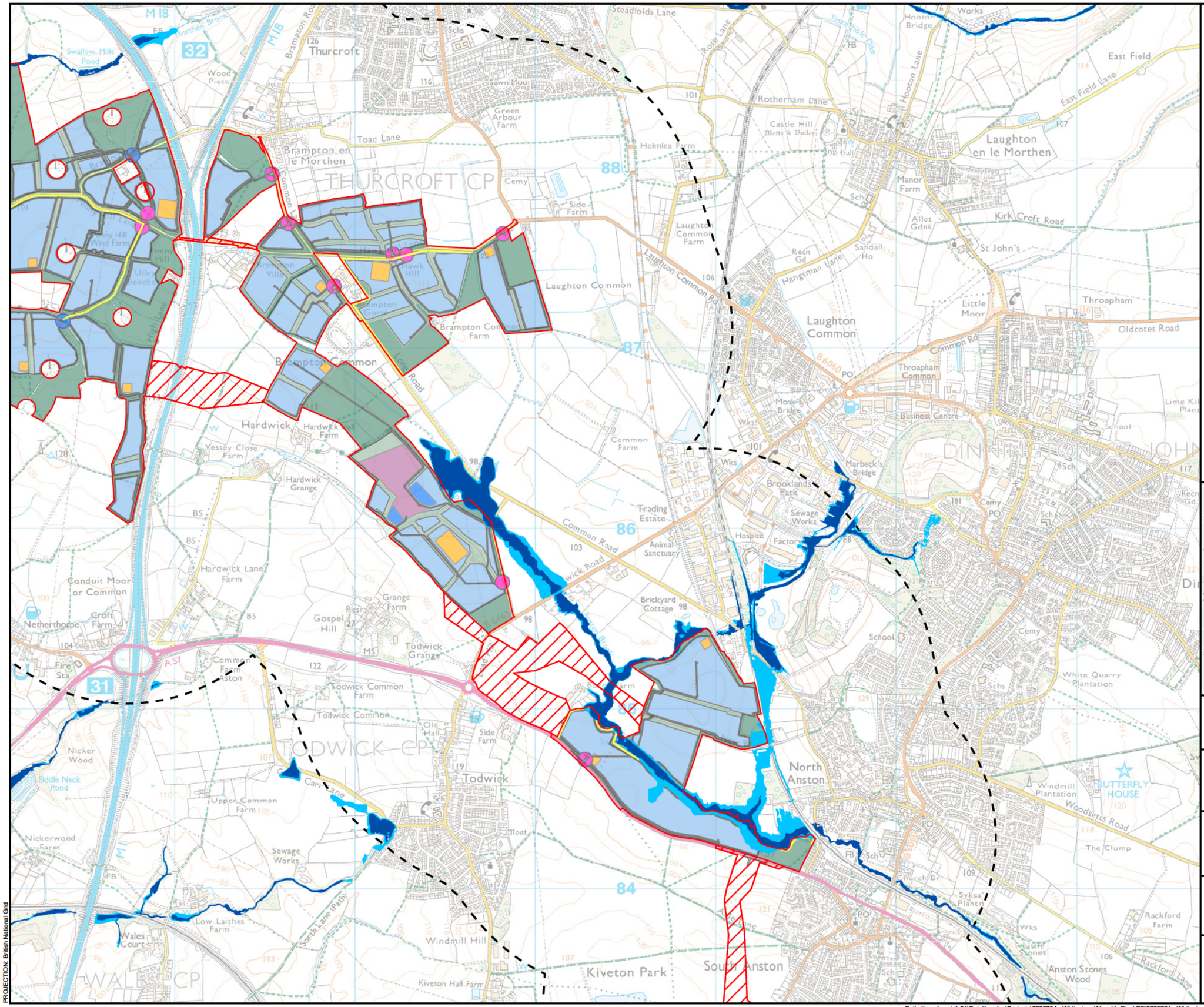

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EA Flood Zones
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Order Limits
Cable Route
1 km Study Area

Site Infrastructure
Permissive Paths
Visibility Splay
Access Point
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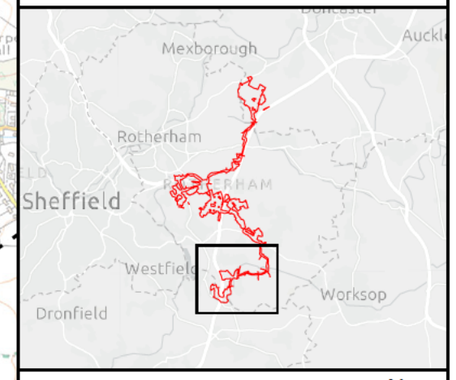
Crossing Point
Construction Laydown
PV Fence
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland

EA Flood Zones
Flood Zone 3
Flood Zone 2



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EA Flood Zones
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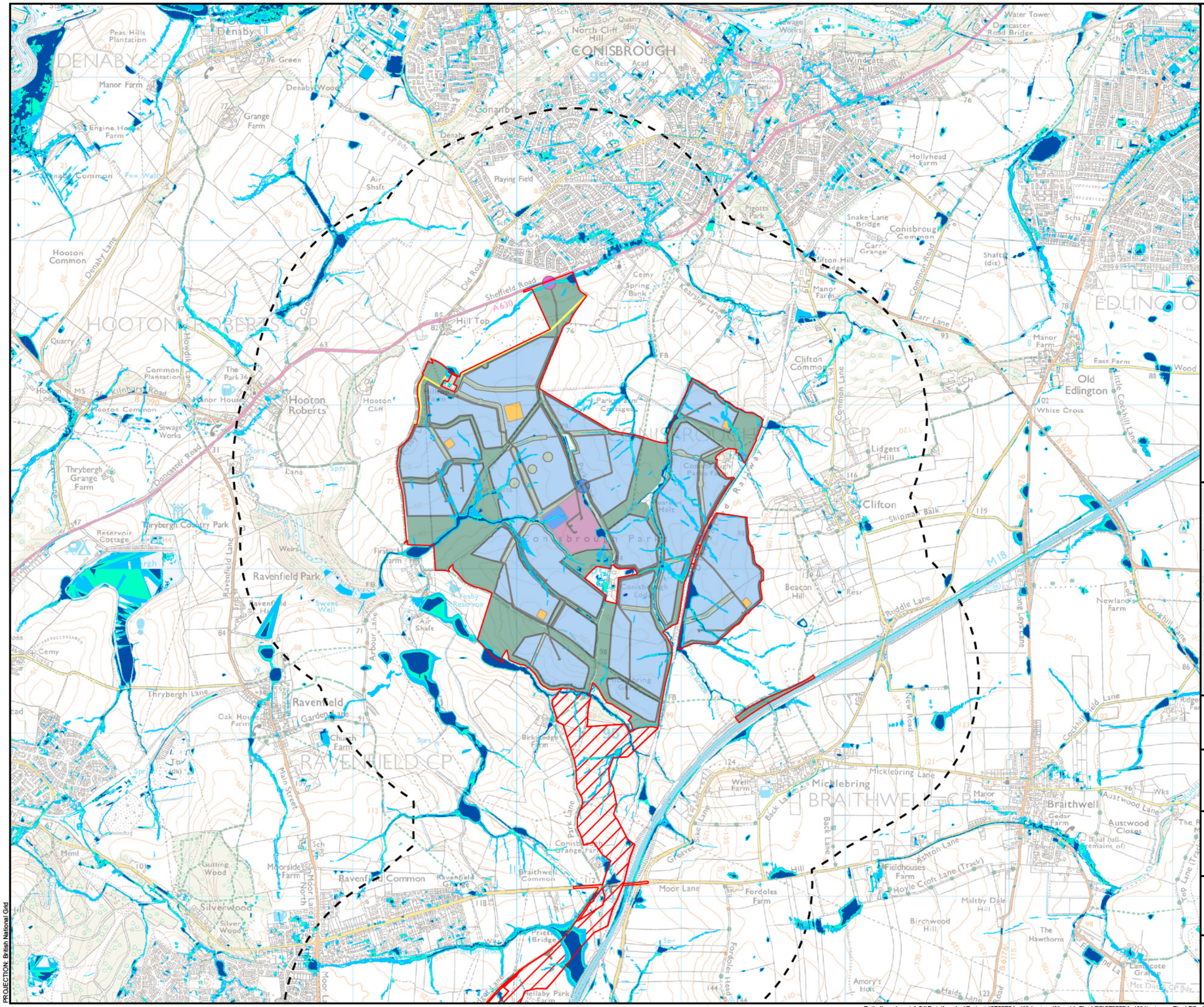

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APPLICATION: EN0110020	CHECKED: BM
DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.5
Flood Risk from Surface Water
Sheet 1 of 5

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

ERM

WHITESTONE solar farm

PROJECTION: British National Grid

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Path: \\vmukspgisfs01\Data\London\Projects\0720724 - Whitestone\Maps\1. Final ES\0720724 - Whitestone - Final ES - Hydrology.aprx\0720724 - WS - HYD - Figure 10.5 - Flood Risk from Surface Water - A01

Order Limits
Cable Route
1 km Study Area

Site Infrastructure

- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Construction Laydown
- PV Fence
- BESS
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

Risk of Flooding from Surface Water (RoFSW) - Climate Change

- High Risk
- Low Risk
- Medium Risk



0 250 500 750 1,000
Metres

N

SCALE: 1:22,000	VERSION: A01
SIZE: A3	DRAWN: JS
APPLICATION: EN0110020	CHECKED: BM
DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.5
Flood Risk from Surface Water
Sheet 2 of 5

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

PROJECTION: British National Grid

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Path: \\vmukspgisfs01\Data\London\Projects\0720724 - Whitestone\Maps\1. Final ES\0720724 - Whitestone - Final ES - Hydrology.aprx\0720724 - WS - HYD - Figure 10.5 - Flood Risk from Surface Water - A01

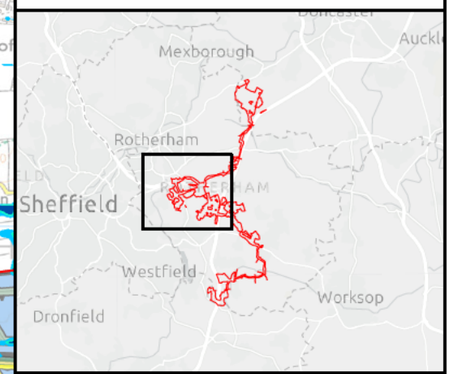
Order Limits
Cable Route
1 km Study Area

Site Infrastructure

- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Construction Laydown
- PV Fence
- BESS
- Long Lane 400kV Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

Risk of Flooding from Surface Water (RoFSW) - Climate Change

- High Risk
- Low Risk
- Medium Risk



0 250 500 750 1,000
Metres

N

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DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.5
Flood Risk from Surface Water
Sheet 3 of 5

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

PROJECTION: British National Grid

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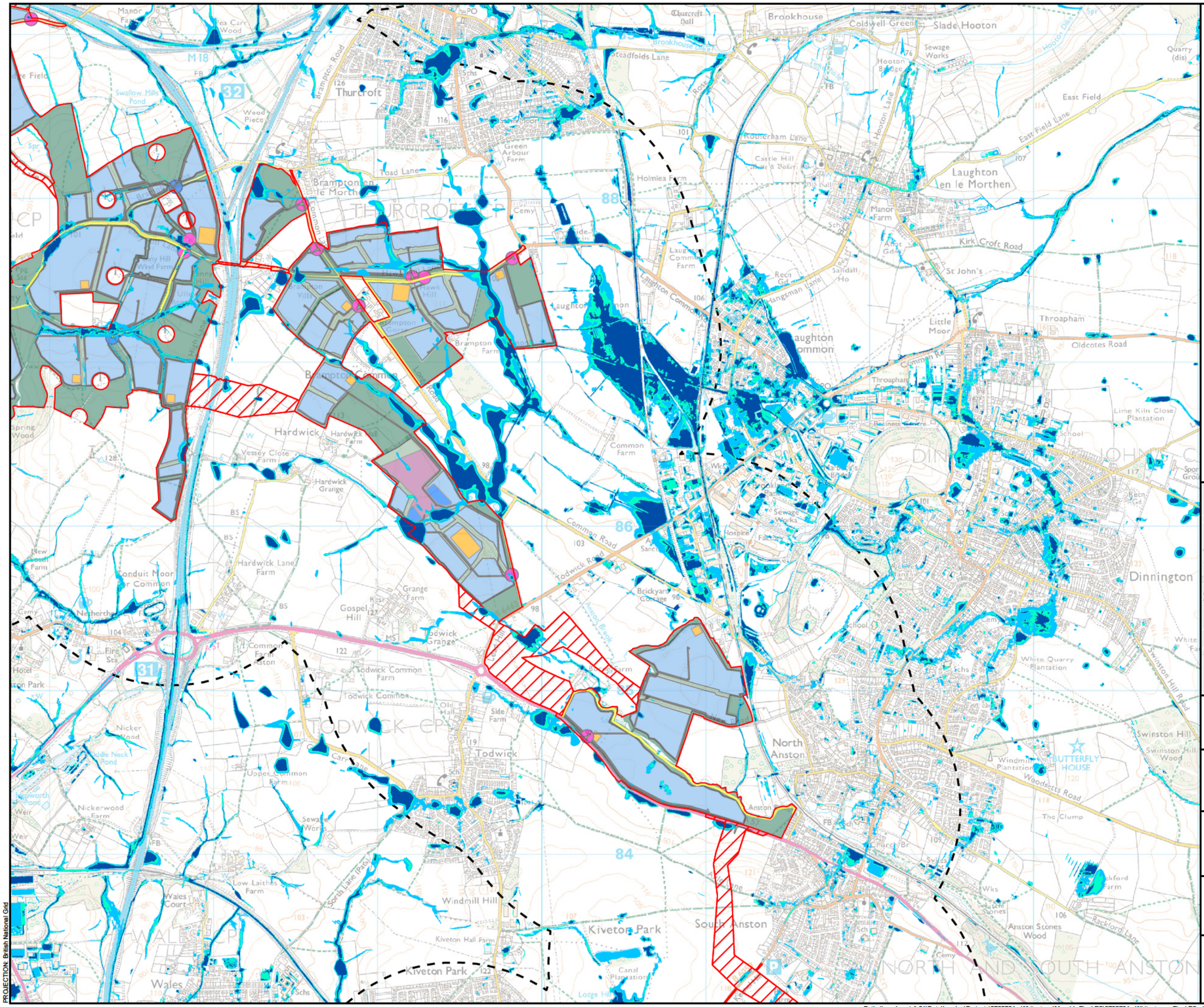
Path: \\vmukspgisfs01\Data\London\Projects\0720724 - Whitestone\Maps\1. Final ES\0720724 - Whitestone - Final ES - Hydrology.aprx\0720724 - WS - HYD - Figure 10.5 - Flood Risk from Surface Water - A01



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DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.5
Flood Risk from Surface Water
Sheet 4 of 5

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

PROJECTION: British National Grid

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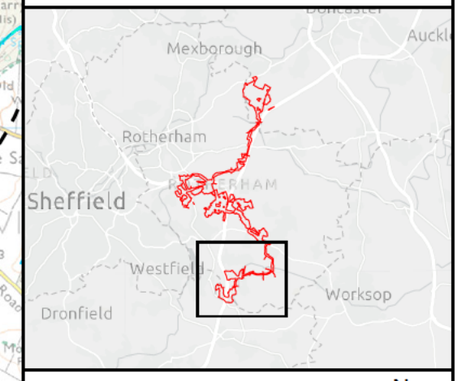
Order Limits
Cable Route
1 km Study Area

Site Infrastructure

- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Construction Laydown
- PV Fence
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

Risk of Flooding from Surface Water (RoFSW) - Climate Change

- High Risk
- Low Risk
- Medium Risk



0 250 500 750 1,000
Metres

N

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SIZE: A3	DRAWN: JS
APPLICATION: EN0110020	CHECKED: BM
DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.5
Flood Risk from Surface Water
Sheet 5 of 5

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

PROJECTION: British National Grid

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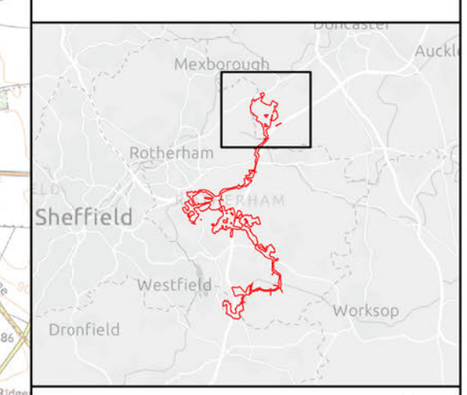
Path: \\vmukspgisfs01\Data\London\Projects\0720724 - Whitestone\Maps\1. Final ES\0720724 - Whitestone - Final ES - Hydrology.aprx\0720724 - WS - HYD - Figure 10.5 - Flood Risk from Surface Water - A01

Order Limits
Cable Route
1 km Study Area

Site Infrastructure
- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Suds Pond
- Construction Laydown
- PV Fence
- Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

Hydrology
- Reservoir Flood Extents - Wet Day
- Reservoir Flood Extents - Dry Day



0 250 500 750 1,000
Metres

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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.6
Flood Risk from Reservoirs
Sheet 1 of 5

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

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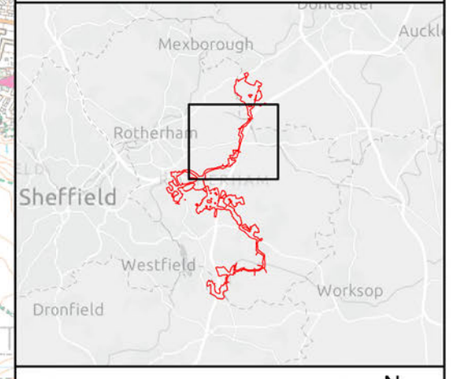
Path: \\vmukspgisfs01\Data\London\Projects\0720724 - Whitestone\Maps\1. Final ES\0720724 - Whitestone - Final ES - Hydrology.aprx\0720724 - WS - HYD - Figure 10.6 - Flood Risk from Reservoirs - A01

Order Limits
Cable Route
1 km Study Area

Site Infrastructure
- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Construction Laydown
- PV Fence
- BESS
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

Hydrology
- Reservoir Flood Extents - Wet Day
- Reservoir Flood Extents - Dry Day



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Metres

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DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.6
Flood Risk from Reservoirs
Sheet 2 of 5

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

PROJECTION: British National Grid

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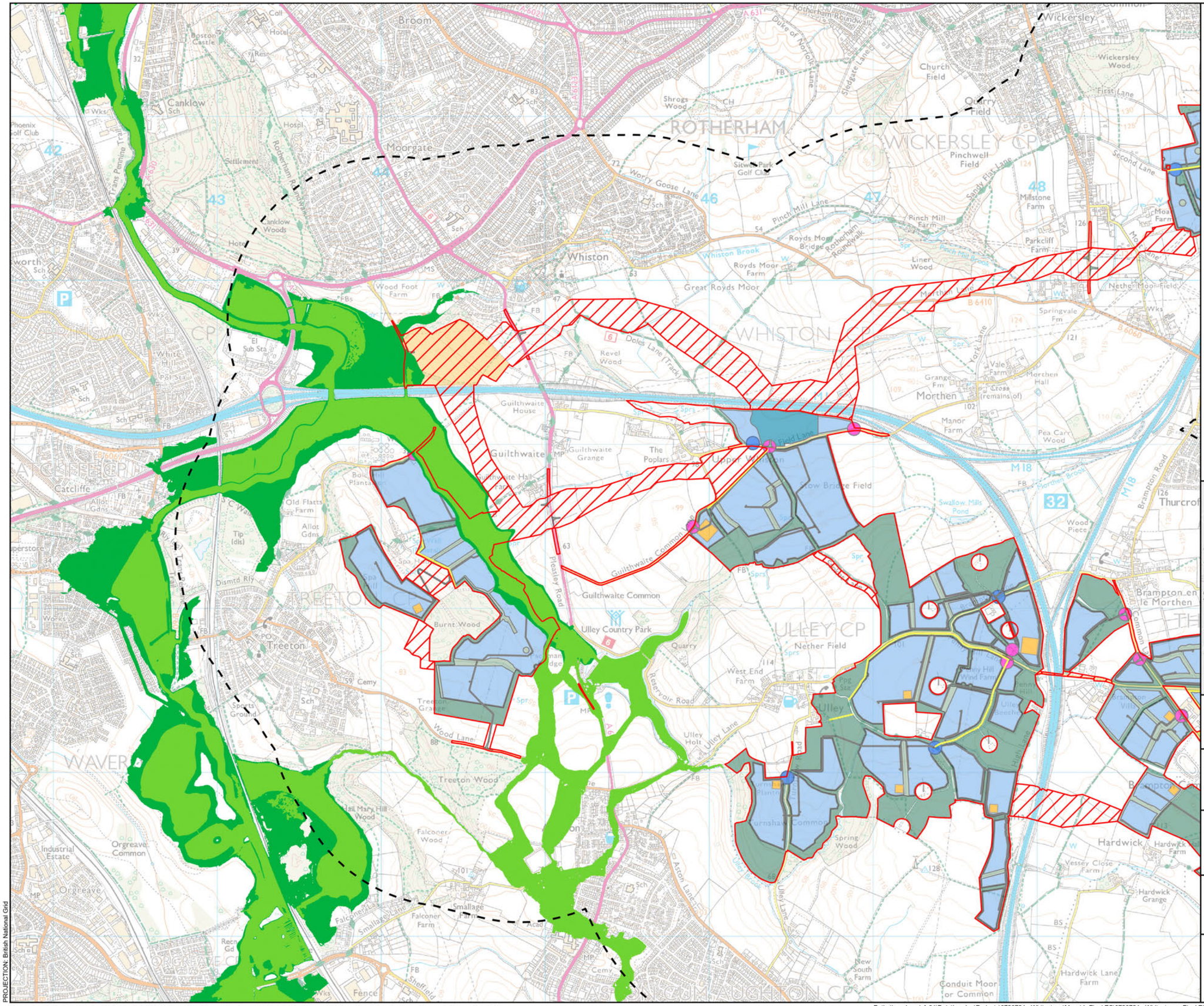
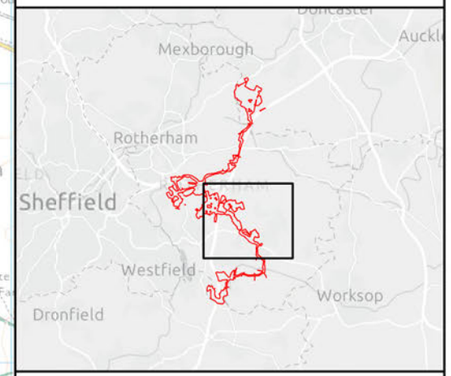

ROTHERHAM
WICKERSLEY CP
WHISTON
ULLEY CP
Whiston
Morthen
Guilthwaite
Guilthwaite Common
Ulley Country Park
Treeton
Hardwick
Broom
Moorgate
Canklow
Wickersley
Brampton en le Morthen
Thurcroft
Orgreave
Orgreave Common
Industrial Estate
Catcliffe
Treeton Wood
Falconer Wood
Burnt Wood
Hail Mary Hill Wood
Revel Wood
Spring Wood
Pea Carr Wood
Wood Piece
Shrogs Wood
Wickersley Wood
Liner Wood
Ulley Holt
Ulley Reservoir
Ulley Lane
Reservoir Road
Pleasley Road
Doles Lane (Track)
Guilthwaite Lane
Wood Lane
Worry Goose Lane
Pinch Mill Lane
Sandy Flat Lane
Second Lane
First Lane
Morthen Lane
York Lane
Field Lane
Brampton Road
Rotherham Roundwalk
Duke of Norfolk Lane
Sledgate Lane
Whiston Brook
Pinch Mill Brook
Northern Brook
Rotherham Golf Club
Sitwell Park Golf Club
Rotherham Ring Road
Trans Pennine Trail
Rotherham Loop
Tennis Way
Dismtd Rly
Ulley Country Park
Quarry
Nether Field
Nether Moor Field
Great Royds Moor
Royds Moor Farm
Royds Moor Bridge
Whiston Brook
Guilthwaite House
Guilthwaite Grange
Guilthwaite Hall Farm
The Poplars
Upper Whiston
Slow Bridge Field
Field Lane
Old Flatts Farm
Treeton Grange
Falconer Farm
Smallage Farm
Smallage Lane
Falconer Lane
Reservoir Road
Ulley Lane
Ulley Holt
Ulley Beeches
Ulley Wood
Ulley Brook
Ulley Dike
Ulley Meadow
Ulley Wood
Ulley Beeches
Ulley Holt
Ulley Lane

- Order Limits
- Cable Route
- 1 km Study Area

Site Infrastructure

- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Suds Pond
- Construction Laydown
- PV Fence
- Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland



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Metres

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DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.6
Flood Risk from Reservoirs
Sheet 4 of 5

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

PROJECTION: British National Grid

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Order Limits
Cable Route
1 km Study Area

Site Infrastructure
Permissive Paths
Visibility Splay
Access Point
PV Road
Crossing Point
Construction Laydown
PV Fence
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland

Hydrology
Reservoir Flood Extents - Wet Day
Reservoir Flood Extents - Dry Day



0 250 500 750 1,000
Metres
N

SCALE: 1:22,000	VERSION: A01
SIZE: A3	DRAWN: RW
APPLICATION: EN0110020	CHECKED: BM
DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.6
Flood Risk from Reservoirs
Sheet 5 of 5

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

ERM
WHITESTONE solar farm

PROJECTION: British National Grid

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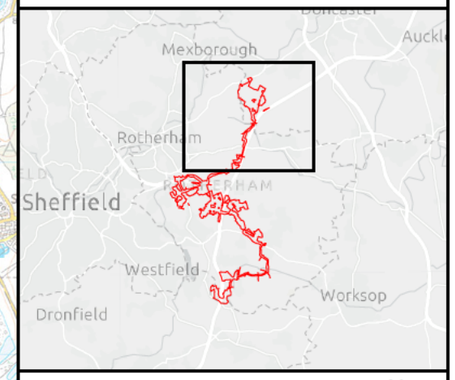
Order Limits
Cable Route
1 km Study Area

Site Infrastructure
Permissive Paths
Visibility Splay
Access Point
PV Road
Crossing Point
Suds Pond
Construction Laydown
PV Fence
Substation
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland

EA Recorded Flood Outlines
Main river
Drainage
Ordinary watercourse
Sewer
Unknown
Other



0 250 500 750 1,000
Metres

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DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.7
Historic Flood Map
Sheet 1 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

PROJECTION: British National Grid

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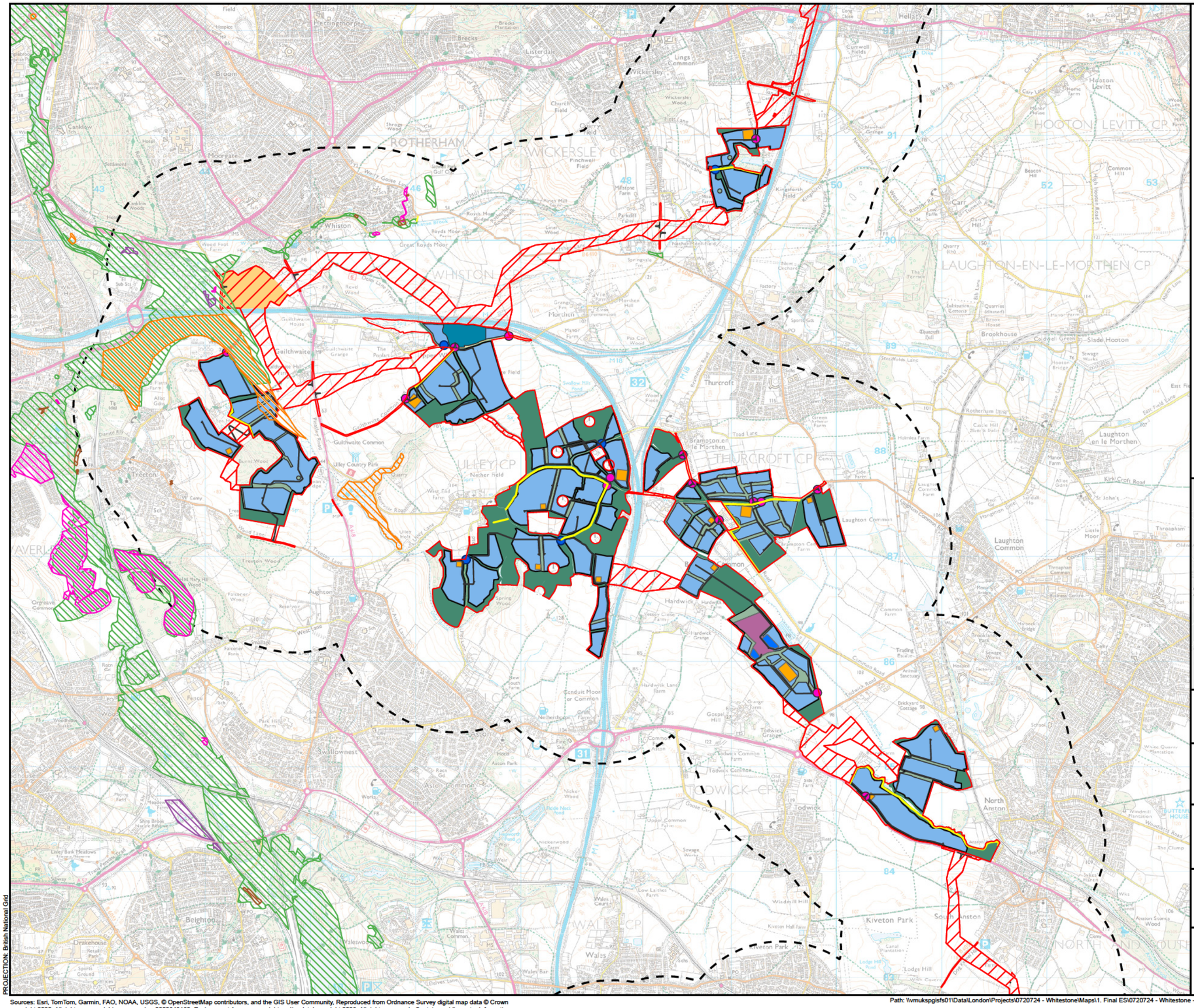

Order Limits
Cable Route
1 km Study Area

Site Infrastructure
- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Suds Pond
- Construction Laydown
- PV Fence
- BESS
- Substation
- Long Lane 400kV Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

EA Recorded Flood Outlines
- Main river
- Drainage
- Ordinary watercourse
- Sewer
- Unknown
- Other

0 250 500 750 1,000
Metres

N

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DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.7
Historic Flood Map
Sheet 2 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

PROJECTION: British National Grid

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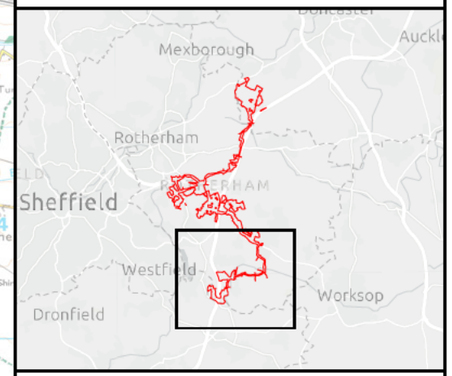
Order Limits
Cable Route
1 km Study Area

Site Infrastructure
Permissive Paths
Visibility Splay
Access Point
PV Road
Crossing Point
Construction Laydown
PV Fence
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland

EA Recorded Flood Outlines
Main river
Drainage
Ordinary watercourse
Unknown



0 250 500 750 1,000
Metres

N

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APPLICATION: EN0110020	CHECKED: BM
DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.7
Historic Flood Map
Sheet 3 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

PROJECTION: British National Grid

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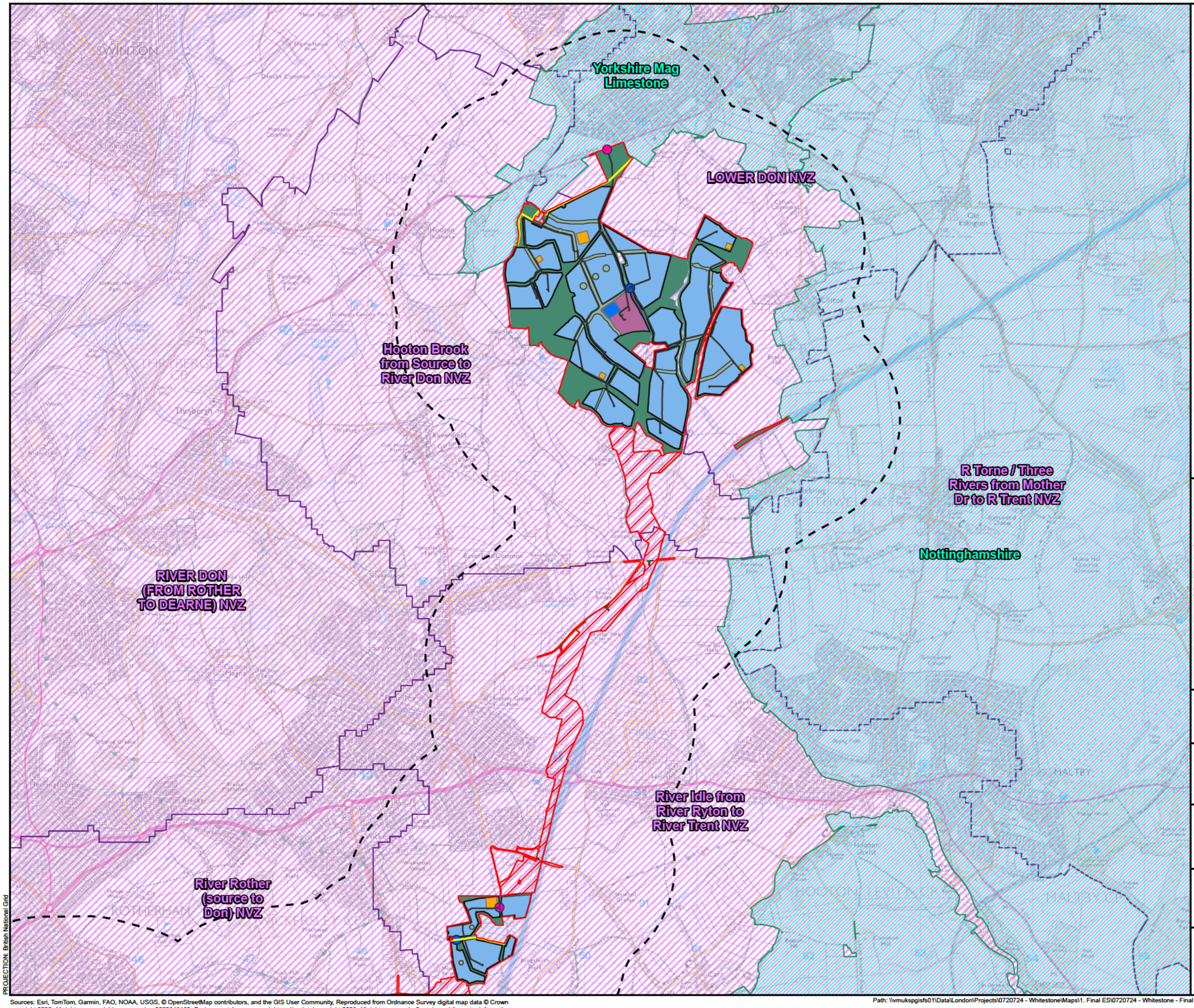

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DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.8
Nitrate Vulnerable Zones
Sheet 1 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

PROJECTION: British National Grid

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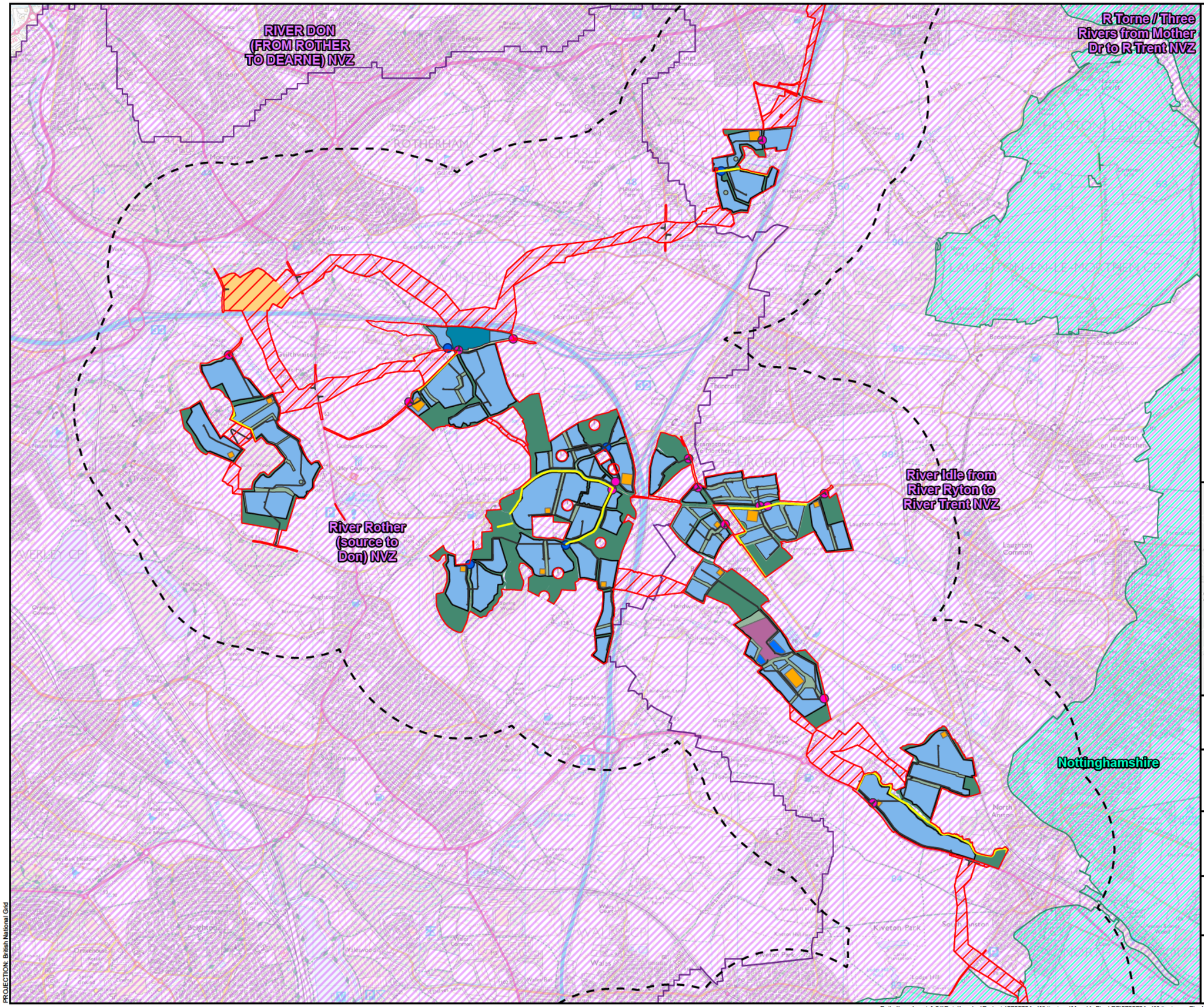

Order Limits
Cable Route
1 km Study Area

Site Infrastructure

- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Suds Pond
- Construction Laydown
- PV Fence
- BESS
- Substation
- Long Lane 400kV Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

Nitrate Vulnerable Zones (2021)

- Surface Water
- Groundwater



0 250 500 750 1,000
Metres

N

SCALE: 1:34,000	VERSION: A01
SIZE: A3	DRAWN: RW
APPLICATION: EN0110020	CHECKED: BM
DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.8
Nitrate Vulnerable Zones
Sheet 2 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

PROJECTION: British National Grid

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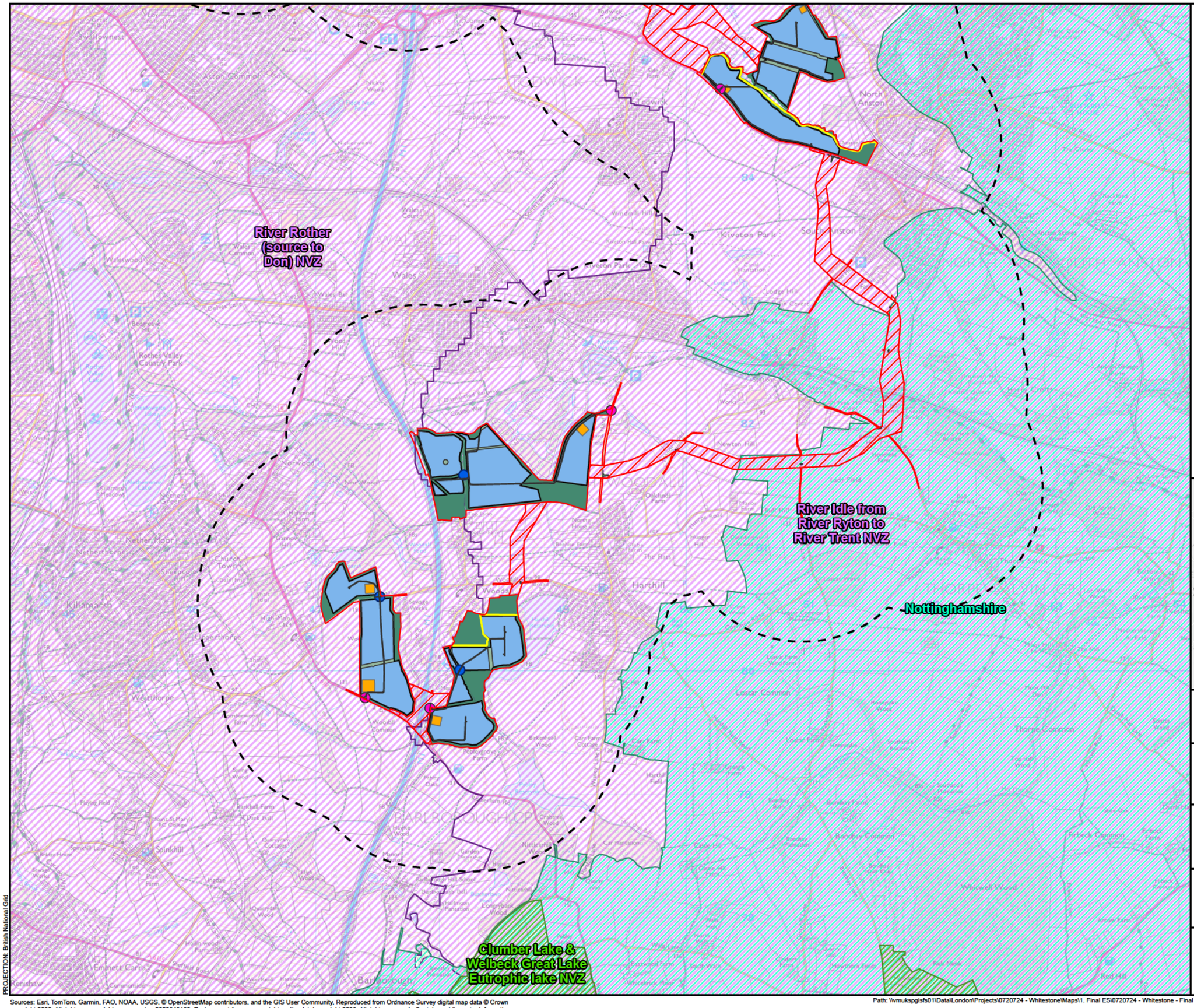

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SIZE: A3 | DRAWN: RW
APPLICATION: EN0110020 | CHECKED: BM
DATE: 6/2/2026 | APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.8
Nitrate Vulnerable Zones
Sheet 3 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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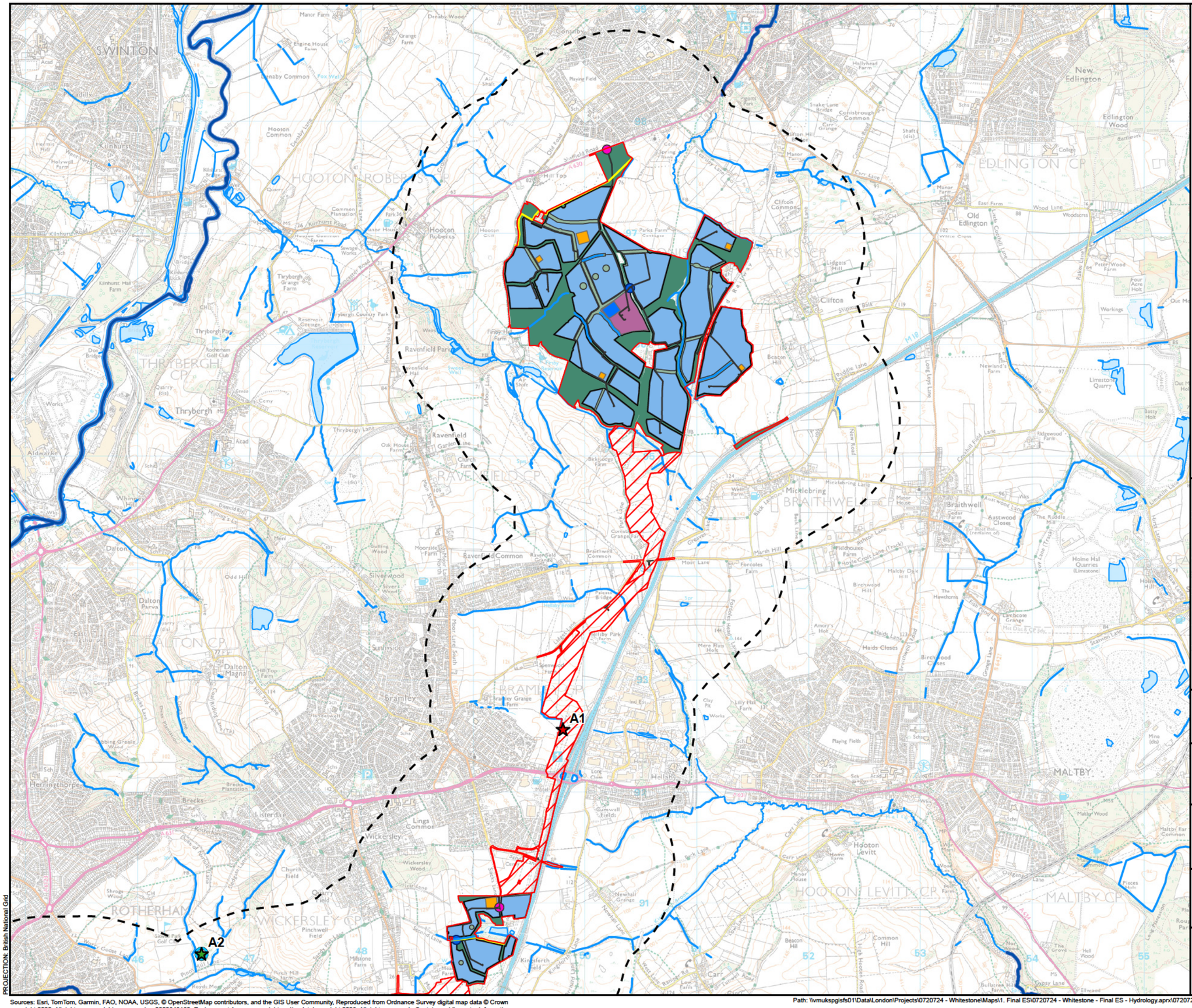
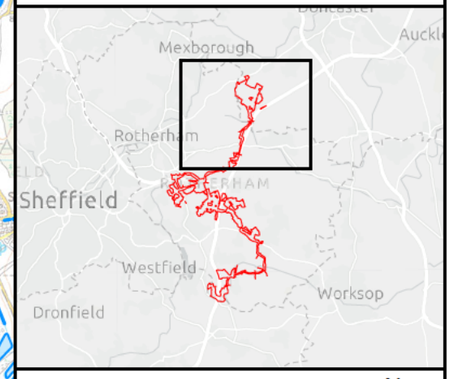


Order Limits
Cable Route
1 km Study Area

Site Infrastructure
Permissive Paths
Visibility Splay
Access Point
PV Road
Crossing Point
Suds Pond
Construction Laydown
PV Fence
Substation
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland

Hydrology
EA Main Rivers
Ordinary Watercourses
OS Waterbodies

Licensed Abstractions
Source Type
Ground Water
Surface Water
Groundwater Supply Buffer (50 m)



0 250 500 750 1,000
Metres

N

SCALE: 1:32,000	VERSION: A01
SIZE: A3	DRAWN: RW
APPLICATION: EN0110020	CHECKED: BM
DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.9
EA Licensed Abstractions and Private Water Supplies
Sheet 1 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

PROJECTION: British National Grid

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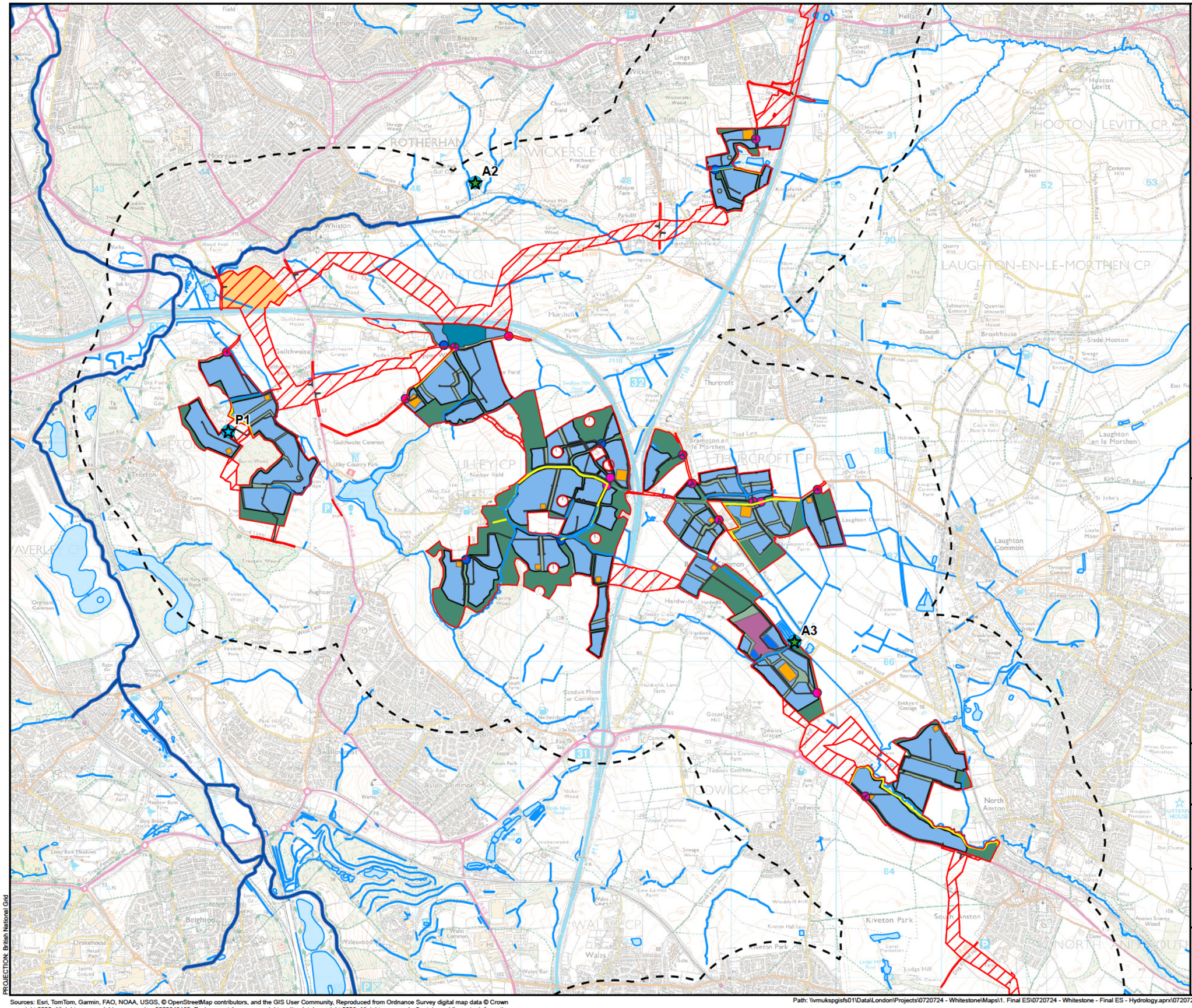

- Order Limits
- Cable Route
- 1 km Study Area

Site Infrastructure

- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Suds Pond
- Construction Laydown
- PV Fence
- BESS
- Substation
- Long Lane 400kV Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

Hydrology

- EA Main Rivers
- Ordinary Watercourses
- OS Waterbodies

Licensed Abstractions

Source Type

- Ground Water

Private Water Supplies

Source Type

- Spring
- Groundwater Supply Buffer (50 m)

SCALE: 1:34,000	VERSION: A01
SIZE: A3	DRAWN: RW
APPLICATION: EN0110020	CHECKED: BM
DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.9
EA Licensed Abstractions and Private Water Supplies
Sheet 2 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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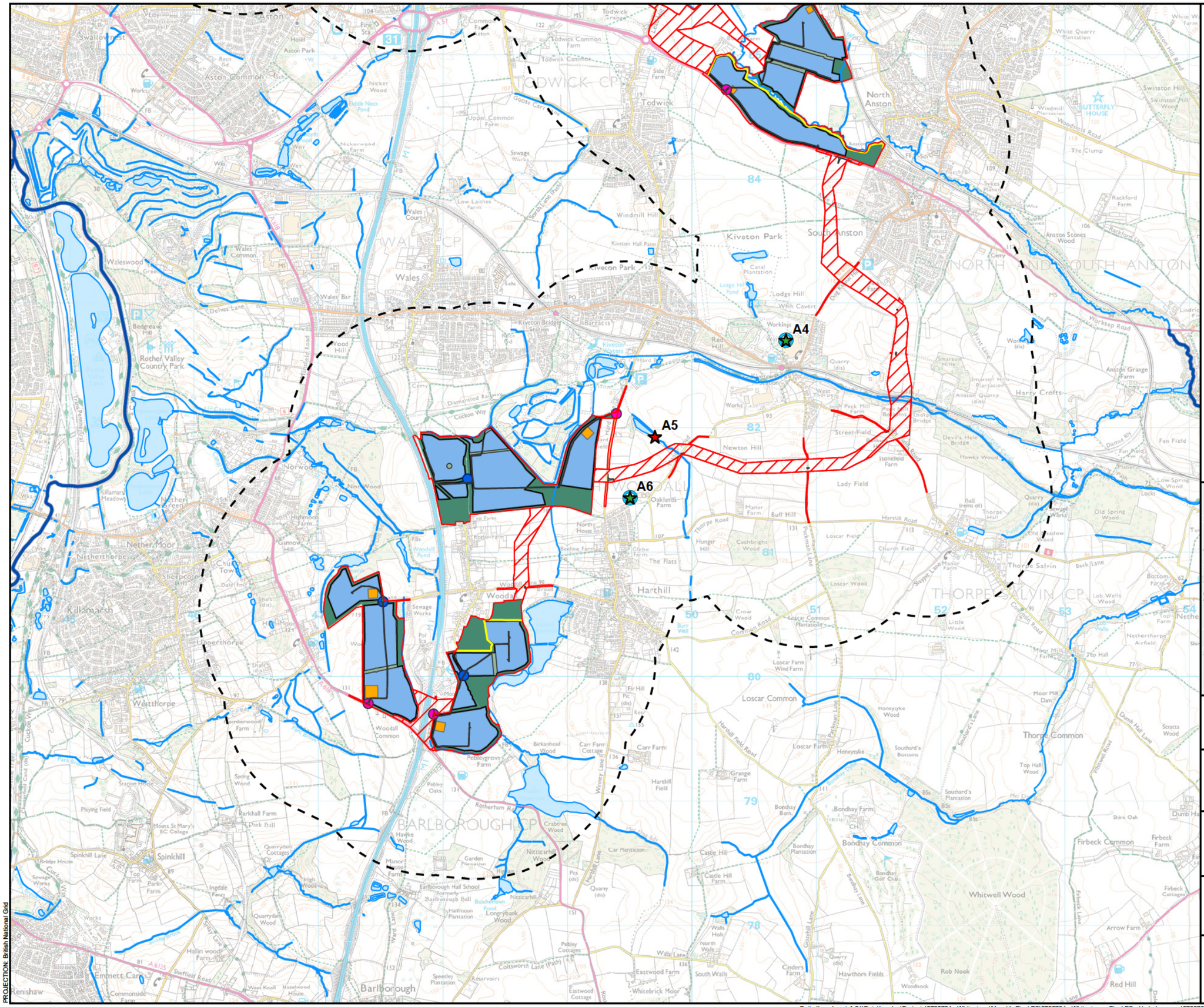

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APPLICATION: EN0110020	CHECKED: BM
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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.9
EA Licensed Abstractions and Private Water Supplies
Sheet 3 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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Ashfield Brick Pits

Sprotbrough Gorge

New Edlington Brickpit

Edlington Wood

Wood Lee Common

Maltby Low Common

Roche Abbey Woodlands

- Order Limits
- Cable Route
- 1 km Study Area

Site Infrastructure

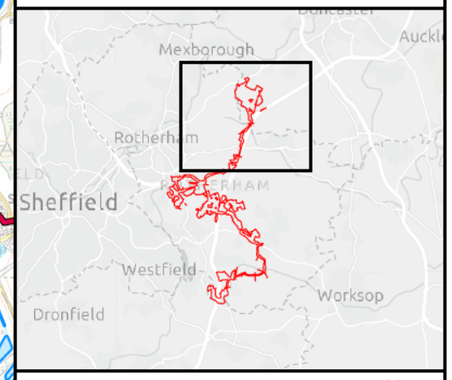
- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Suds Pond
- Construction Laydown
- PV Fence
- Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

Designated Sites

- Sites of Special Scientific Interest

Hydrology

- EA Main Rivers
- Ordinary Watercourses
- OS Waterbodies
- WFD River Water Bodies
- WFD Canal Water Bodies



0 250 500 750 1,000
Metres

N

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SIZE: A3	DRAWN: RW
APPLICATION: EN0110020	CHECKED: BM
DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.10
Designated Sites
Sheet 1 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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Wood Lee Common

Anston Stones Wood

- Order Limits
- Cable Route
- 1 km Study Area

Site Infrastructure

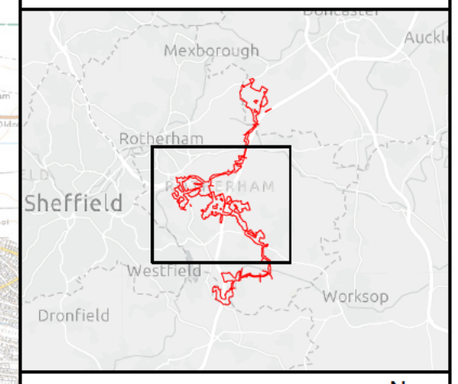
- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Suds Pond
- Construction Laydown
- PV Fence
- BESS
- Substation
- Long Lane 400kV Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

Designated Sites

- Sites of Special Scientific Interest

Hydrology

- EA Main Rivers
- Ordinary Watercourses
- OS Waterbodies
- WFD River Water Bodies
- WFD Canal Water Bodies



0 250 500 750 1,000
Metres

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APPLICATION: EN0110020	CHECKED: BM
DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.10
Designated Sites
Sheet 2 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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Anston Stones Wood

Lindrick Golf Course

Ginny Spring, Whitwell Wood

Crabtree Wood

Order Limits
Cable Route
1 km Study Area

Site Infrastructure
Permissive Paths
Visibility Splay
Access Point
PV Road
Crossing Point
Construction Laydown
PV Fence
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland

Designated Sites
Sites of Special Scientific Interest

Hydrology
EA Main Rivers
Ordinary Watercourses
OS Waterbodies
WFD River Water Bodies
WFD Canal Water Bodies

Mexborough
Rotherham
Sheffield
Westfield
Worksop
Dronfield

0 250 500 750 1,000
Metres

N

SCALE: 1:29,000	VERSION: A01
SIZE: A3	DRAWN: RW
APPLICATION: EN0110020	CHECKED: BM
DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.10
Designated Sites
Sheet 3 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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ZECHSTEIN GROUP

PERMIAN ROCKS (UNDIFFERENTIATED)

PENNINE MIDDLE COAL MEASURES FORMATION AND SOUTH WALES MIDDLE COAL MEASURES FORMATION (UNDIFFERENTIATED)

ZECHSTEIN GROUP

PENNINE UPPER COAL MEASURES FORMATION

Order Limits
Cable Route
1 km Study Area

Site Infrastructure
Permissive Paths
Visibility Splay
Access Point
PV Road
Crossing Point
Suds Pond
Construction Laydown
PV Fence
Substation
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland

Hydrogeology
Highly productive aquifer
Moderately productive aquifer
Rocks with essentially no groundwater
OS Springs
OS Springs - 10 m Buffer

Mexborough
Rotherham
Sheffield
Westfield
Worksop
Dronfield

0 250 500 750 1,000
Metres

N

SCALE: 1:32,000	VERSION: A01
SIZE: A3	DRAWN: RW
APPLICATION: EN0110020	CHECKED: BM
DATE: 6/2/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.11
Hydrogeology
Sheet 1 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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WHITESTONE solar farm

PROJECTION: British National Grid

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PENNINE UPPER COAL MEASURES FORMATION

PENNINE MIDDLE COAL MEASURES FORMATION AND SOUTH WALES MIDDLE COAL MEASURES FORMATION (UNDIFFERENTIATED)

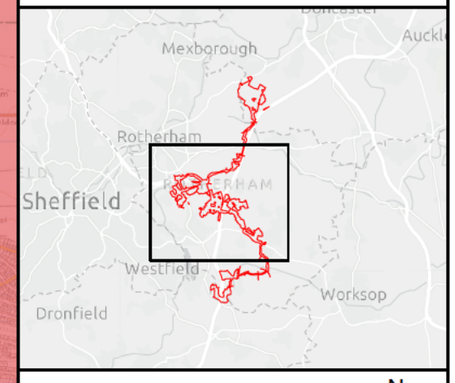
ZECHSTEIN GROUP

ZECHSTEIN GROUP

Order Limits
Cable Route
1 km Study Area

Site Infrastructure
- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Suds Pond
- Construction Laydown
- PV Fence
- BESS
- Substation
- Long Lane 400kV Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

Hydrogeology
- Highly productive aquifer
- Moderately productive aquifer
- OS Springs
- OS Springs - 10 m Buffer



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Metres

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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.11
Hydrogeology
Sheet 2 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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PENNINE UPPER COAL MEASURES FORMATION

PENNINE MIDDLE COAL MEASURES FORMATION AND SOUTH WALES MIDDLE COAL MEASURES FORMATION (UNDIFFERENTIATED)

PENNINE LOWER COAL MEASURES FORMATION AND SOUTH WALES LOWER COAL MEASURES FORMATION (UNDIFFERENTIATED)

PERMIAN ROCKS (UNDIFFERENTIATED)

ZECHSTEIN GROUP

PERMIAN ROCKS (UNDIFFERENTIATED)

Order Limits
Cable Route
1 km Study Area

Site Infrastructure
Permissive Paths
Visibility Splay
Access Point
PV Road
Crossing Point
Construction Laydown
PV Fence
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland

Hydrogeology
Highly productive aquifer
Moderately productive aquifer
Rocks with essentially no groundwater
OS Springs
OS Springs - 10 m Buffer

0 250 500 750 1,000
Metres

N

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APPLICATION: EN0110020	CHECKED: BM
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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.11
Hydrogeology
Sheet 3 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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Aire & Don Magnesian Limestone.

Don & Rother Millstone grit & Coal Measures

Idle Torne - Magnesian Limestone

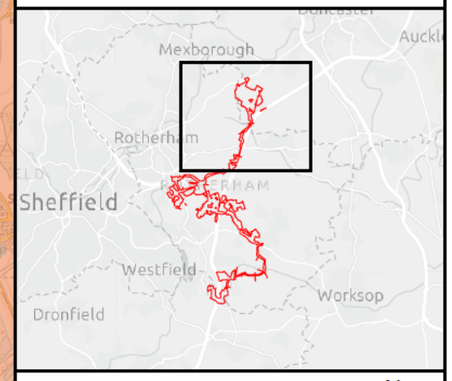
- Order Limits
- Cable Route
- 1 km Study Area

Site Infrastructure

- Permissive Paths
- Visibility Splay
- Access Point
- PV Road
- Crossing Point
- Suds Pond
- Construction Laydown
- PV Fence
- Substation
- Developable Area
- Landscape Mitigation - Tussocky Grass
- Landscape Mitigation - Species Rich Grassland

WFD Groundwater Bodies Classifications

- Poor



0 250 500 750 1,000
Metres

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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.12
WFD Groundwater Bodies Classification
Sheet 1 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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PROJECTION: British National Grid

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Don & Rother Millstone grit & Coal Measures

Idle Torne - Magnesian Limestone

Order Limits
Cable Route
1 km Study Area
Site Infrastructure
Permissive Paths
Visibility Splay
Access Point
PV Road
Crossing Point
Suds Pond
Construction Laydown
PV Fence
BESS
Substation
Long Lane 400kV Substation
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland
WFD Groundwater Bodies Classifications
Poor



0 250 500 750 1,000
Metres

N

SCALE: 1:34,000	VERSION: A01
SIZE: A3	DRAWN: RW
APPLICATION: EN0110020	CHECKED: BM
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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.12
WFD Groundwater Bodies Classification
Sheet 2 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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Don & Rother Millstone grit & Coal Measures

Idle Torne - Magnesian Limestone

Order Limits
Cable Route
1 km Study Area

Site Infrastructure

Permissive Paths
Visibility Splay
Access Point
PV Road
Crossing Point
Construction Laydown
PV Fence
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland

WFD Groundwater Bodies Classifications

Poor

Mexborough
Rotherham
Sheffield
Westfield
Worksop
Dronfield

0 250 500 750 1,000
Metres

N

SCALE: 1:29,000	VERSION: A01
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APPLICATION: EN0110020	CHECKED: BM
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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.12
WFD Groundwater Bodies Classification
Sheet 3 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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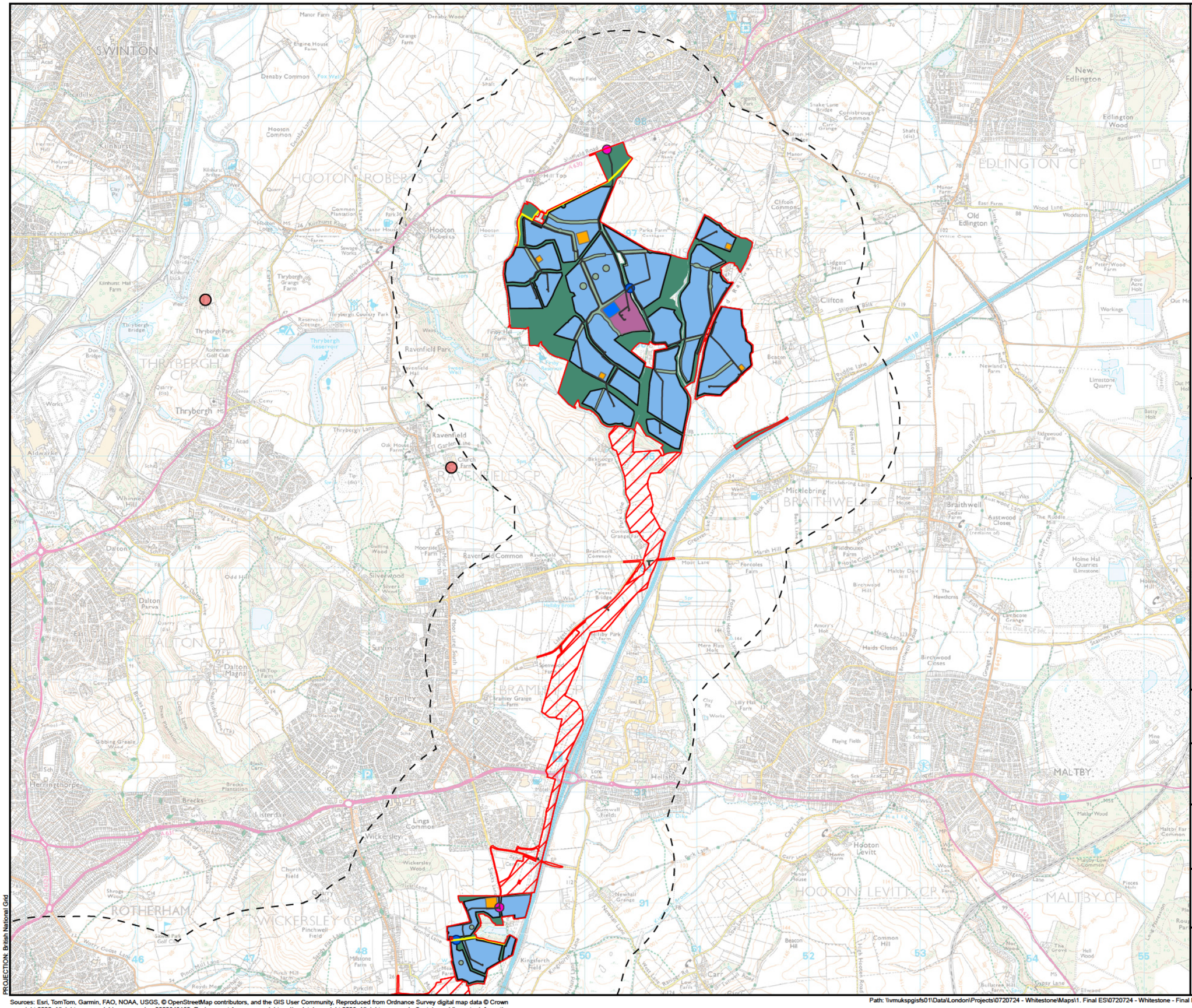

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APPLICATION: EN0110020	CHECKED: BM
DATE: 6/1/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.13
Source Protection Zones
Sheet 1 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

ERM

WHITESTONE solar farm

PROJECTION: British National Grid

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Path: \\vmukspgisfs01\Data\London\Projects\0720724 - Whitestone\Maps\1. Final ES\0720724 - Whitestone - Final ES - Hydrology.aprx\0720724 - WS - HYD - Figure 10.13 - Source Protection Zones - A01

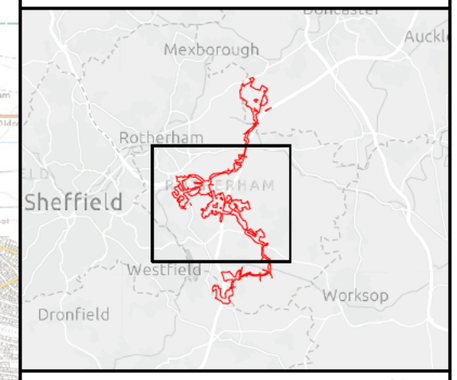
Order Limits
Cable Route
1 km Study Area

Site Infrastructure

Permissive Paths
Visibility Splay
Access Point
PV Road
Crossing Point
Suds Pond
Construction Laydown
PV Fence
BESS
Substation
Long Lane 400kV Substation
Developable Area
Landscape Mitigation - Tussocky Grass
Landscape Mitigation - Species Rich Grassland

Groundwater Source Protection Zones

3



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Metres

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SCALE: 1:34,000	VERSION: A01
SIZE: A3	DRAWN: RW
APPLICATION: EN0110020	CHECKED: BM
DATE: 6/1/2026	APPROVED: AH

Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.13
Source Protection Zones
Sheet 2 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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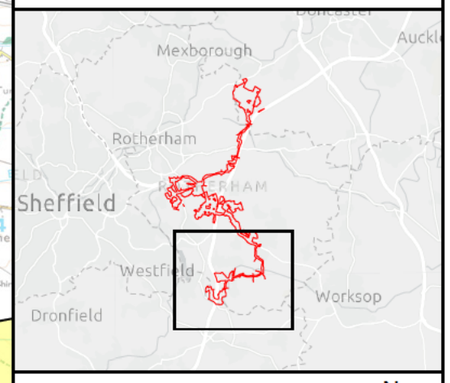

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Metres

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SCALE: 1:29,000	VERSION: A01
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APPLICATION: EN0110020	CHECKED: BM
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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.13
Source Protection Zones
Sheet 3 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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Landscape Mitigation - Species Rich Grassland

Hydrology
EA Main Rivers
Ordinary Watercourses
OS Waterbodies
WFD River Waterbodies
WFD Canal Waterbodies

Watercourse Crossings
Cable and Haul Road Crossing
Cable Crossing
Proposed New Crossing
Solar Existing Crossing

Mexborough
Rotherham
Sheffield
Westfield
Worksop
Dronfield

0 250 500 750 1,000
Metres

N

SCALE: 1:32,000	VERSION: A01
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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.14
Watercourse Crossings
Sheet 1 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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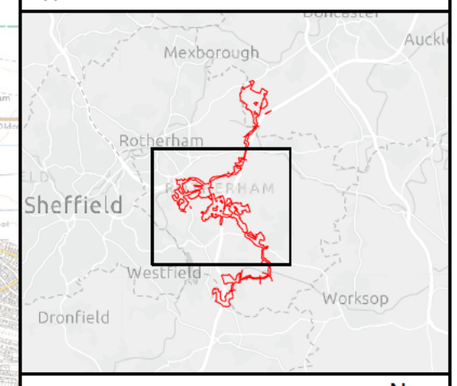

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Whitestone Solar Farm
Environmental Statement Volume 3
Figure 10.14
Watercourse Crossings
Sheet 2 of 3

Reference: EN0110020/APP/6.19
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulations 5(2)(a)

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Pigeon Bridge Brook from Source to River Rother

Pigeon Bridge Brook from Source to River Rother

Anston Brook from Source to River Ryton

Rother, Doe Lea to Don

Rother, Doe Lea to Don

Broad Bridge Dyke Catchment (trib of Chesterfield Canal)

Chesterfield Canal, upper section

Ryton from Chesterfield Canal to Anston Brook

Rother, Doe Lea to Don

22

3

24

PROJECTION: British National Grid

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Environmental Statement Volume 3
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Watercourse Crossings
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