



Pearmtree Hill Solar Farm

Environmental Statement

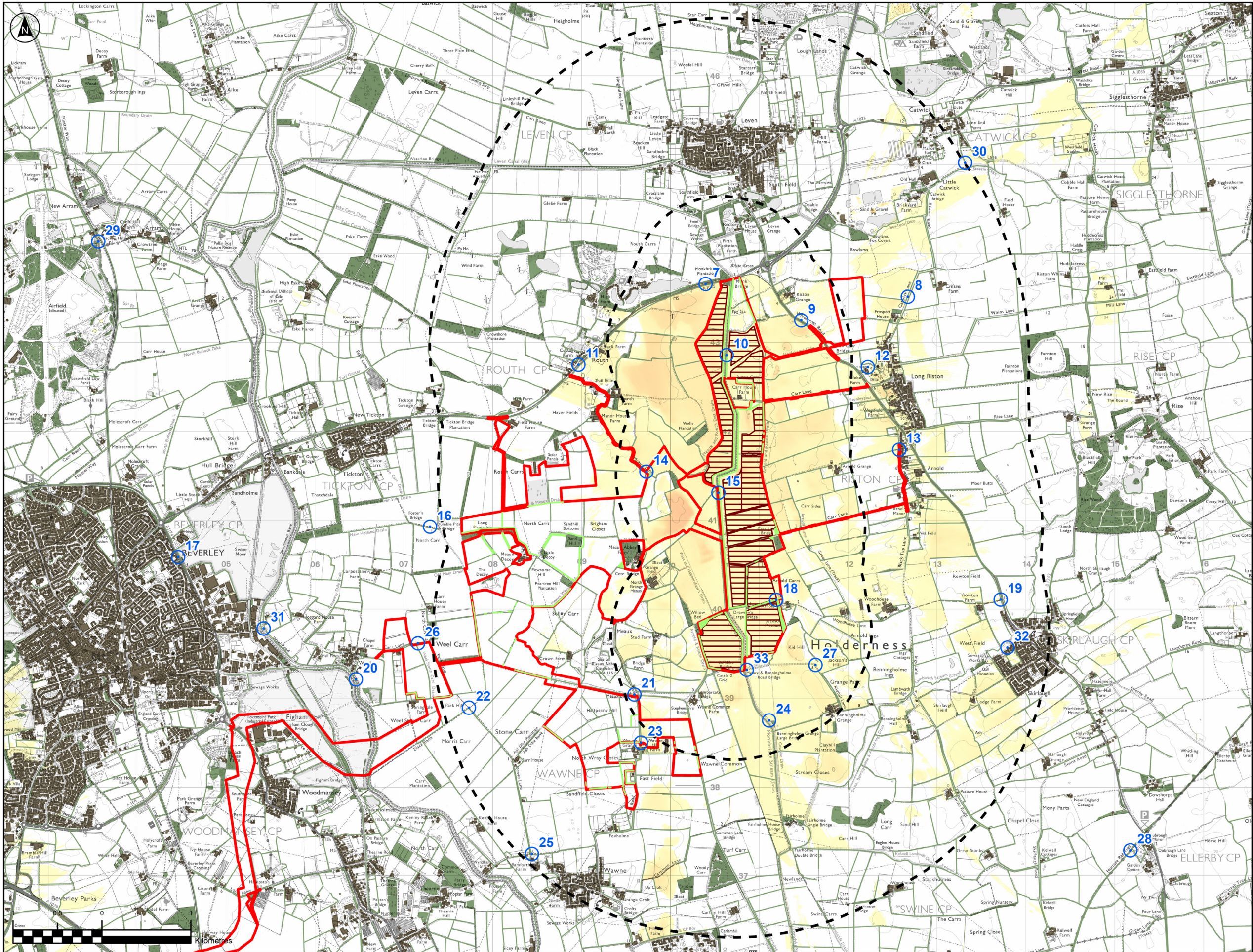
Volume 3

Figure 11.8: Solar PV Modules Year 10 Post Mitigation ZTV

Revision 2

Application Document Ref: EN010157/APP/6.3
September 2025

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



- | No. | Name |
|-----|--|
| 7 | A1035 |
| 8 | Catwick Lane |
| 9 | A165, White Cross Road |
| 10 | Monk Dike (north), PRoW Riston Footpath no.2 |
| 11 | A1035 at Routh |
| 12 | Long Riston Church, PRoW Riston Footpath no.5 |
| 13 | Long Riston (Arnold) |
| 14 | Meaux Lane (north) |
| 15 | Monk Dike (south), PRoW Riston Footpath no.2 |
| 16 | PRoW Tickton Footpath no.6 |
| 17 | A164 eastern edge of Beverley |
| 18 | Woodhouse Lane, PRoW Riston Footpath no.1 |
| 19 | A165 north of Skirlaugh |
| 20 | River Hull at Weel, PRoW Tickton Footpath no.12 |
| 21 | Meaux Lane (south) |
| 22 | PRoW Tickton Bridleway no.5 |
| 23 | Meaux Road at Wawne Grange |
| 24 | Cowdike Drain, PRoW Swine Footpath no.7 |
| 25 | PRoW Wawne Footpath no.11 / Grove Lane |
| 26 | Carr Lane, east of Weel |
| 27 | Kidhill Lane |
| 28 | Trans Pennine Trail |
| 29 | Minster Way |
| 30 | PRoW Catwick Footpath no.3 |
| 31 | Weel Road/ River Hull |
| 32 | Barn Street, Skirlaugh |
| 33 | Meaux and Benningholme Road Bridge, Kidhill Lane |

Order Limits

Proposed areas for solar PV modules

Distance radii from fields hosting solar PV modules (1, 3km)

Viewpoints

Existing hedges/woodland (modelled at 2m/10m)

Existing buildings (modelled at 7.5m)

Proposed planting mitigation

Zone of Theoretical Visibility (3.5m to tops of panels)

More theoretical visibility

Less theoretical visibility

The base mapping is based upon Ordnance Survey (OS) data. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2024. All rights reserved. Ordnance Survey licence number 0100031673. Maxar, Microsoft, Contains OS data © Crown Copyright and database right 2023. Contains data from OS Zoomstack

Notes: This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for CGIS. The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands, hedgerows and buildings. A digital surface model (DSM) has been derived from DEFRA 2022 LiDAR 2m DTM height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 7.5m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area. Hedgerows have been digitised and modelled with an assumed height of 2m outside the site/3.5m within the site. The model does not take into account some localised features such as small copses or individual trees and therefore still gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be less than that suggested by this plan. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 5m resolution.

Client					
RWE					
Designer					
RSK					
P02	03/09/2025	MP	ZF	LY	ZF
P01	05/12/2024	MP	ZF	LY	ZF
Rev	Date	By	Chkd	Appd	Authd

Client

Project Name

Peartree Hill Solar Farm

Designer

RWE

RSK

Project Name

Peartree Hill Solar Farm

Drawing Title

Environmental Statement
Volume 3, Figure 11.8a:
Solar PV Modules
Year 10 Post Mitigation
ZTV - Fields B1-B4,
B7-B8, C1-C9

Scale at A3

1:42,000

Station

DCO Application

PRIS Number

EN010157/APPI6.3

Rev

P02

Coordinate System

British National Grid

Scale at A3

1:42,000

Station

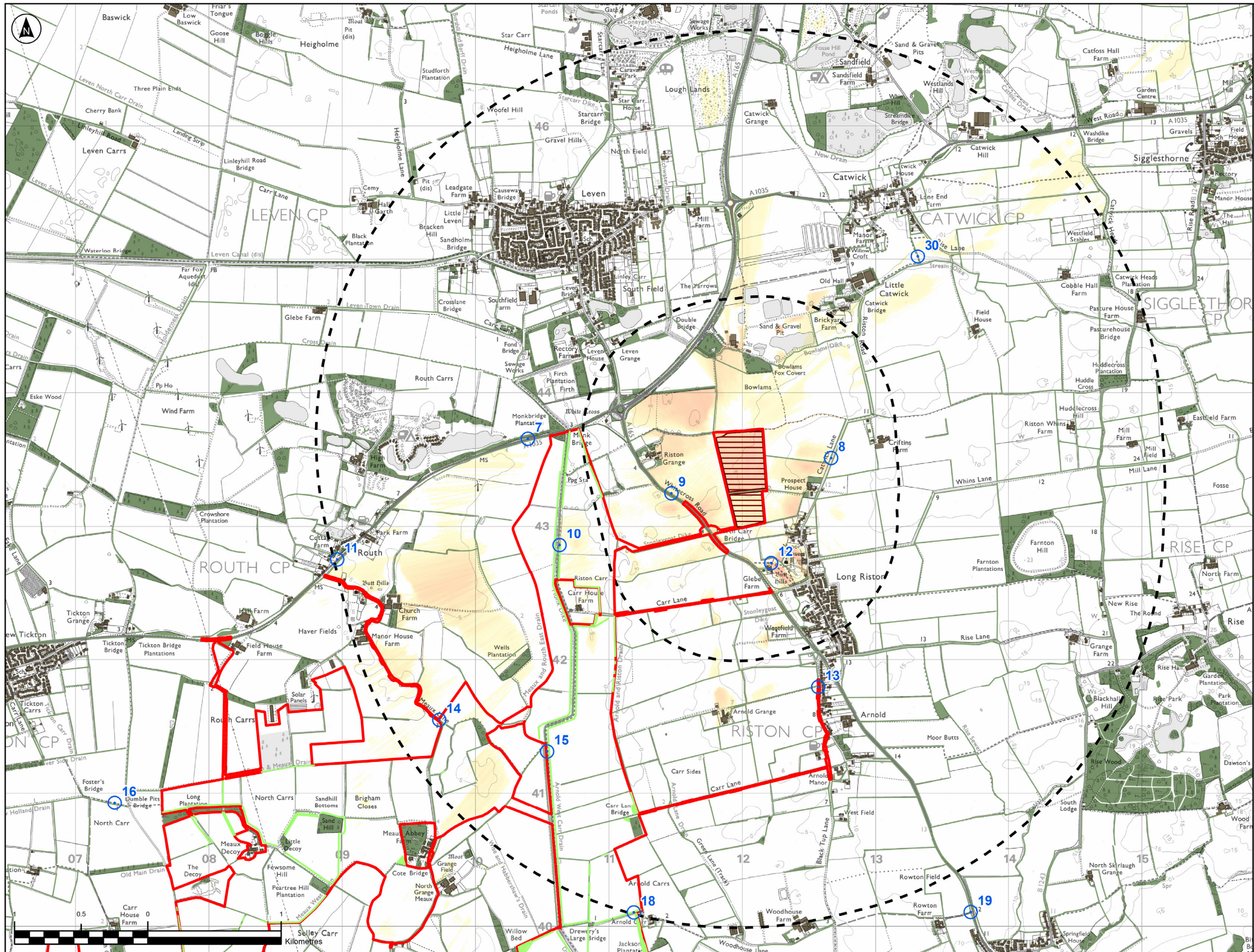
DCO Application

PRIS Number

EN010157/APPI6.3

Rev

P02



No.	Viewpoint
7	A1035
8	Catwick Lane
9	A165, White Cross Road
10	Monk Dike (north), PRoW Riston Footpath no.2
11	A1035 at Routh
12	Long Riston Church, PRoW Riston Footpath no.5
13	Long Riston (Arnold)
14	Meaux Lane (north)
15	Monk Dike (south), PRoW Riston Footpath no.2
16	PRoW Tickton Footpath no.6
18	Woodhouse Lane, PRoW Riston Footpath no.1
19	A165 north of Skirlaugh
30	PRoW Catwick Footpath no.3

A3

03/09/2025 11:46

Order Limits

Proposed areas for solar PV modules B5-B6

Viewpoints

Distance radii from fields hosting solar PV modules (1.3km)

Existing hedges/woodland (modelled at 2m/10m)

Existing buildings (modelled at 7.5m)

Proposed Planting Mitigation

Zone of Theoretical Visibility (3.5m to tops of panels)

More theoretical visibility

Less theoretical visibility

Notes: This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for GIS.

The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands, hedgerows and buildings. A digital surface model (DSM) has been derived from DEFRA 2022 LiDAR 2m DTM height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 7.5m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area. Hedgerows have been digitised and modelled with an assumed height of 2m outside the site/3.5m within the site. The model does not take into account some localised features such as small copses or individual trees and therefore still gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be less than that suggested by this plan.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 5m resolution.

The Base mapping is based upon Ordnance Survey (OS) data. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2024. All rights reserved. Ordnance Survey licence number 0100031673. Maxar, Microsoft, Contains OS data © Crown Copyright and database right 2023. Contains data from OS Zoomstack

Client

RWE

Project Name

Peartree Hill Solar Farm

Designers

RSK

Drawing Title

Environmental Statement
Volume 3, Figure 11.8b:
Solar PV Modules
Year 10 Post Mitigation
ZTV - Fields B5-B6

Scale at A3

1:25,000

Station

DCO Application

PRIS Number

EN010157/APPI6.3

Rev

P02

Rev

Date

By

Chkd

Appd

Authd

P01

03/09/2025

MP

ZF

LY

ZF

P02

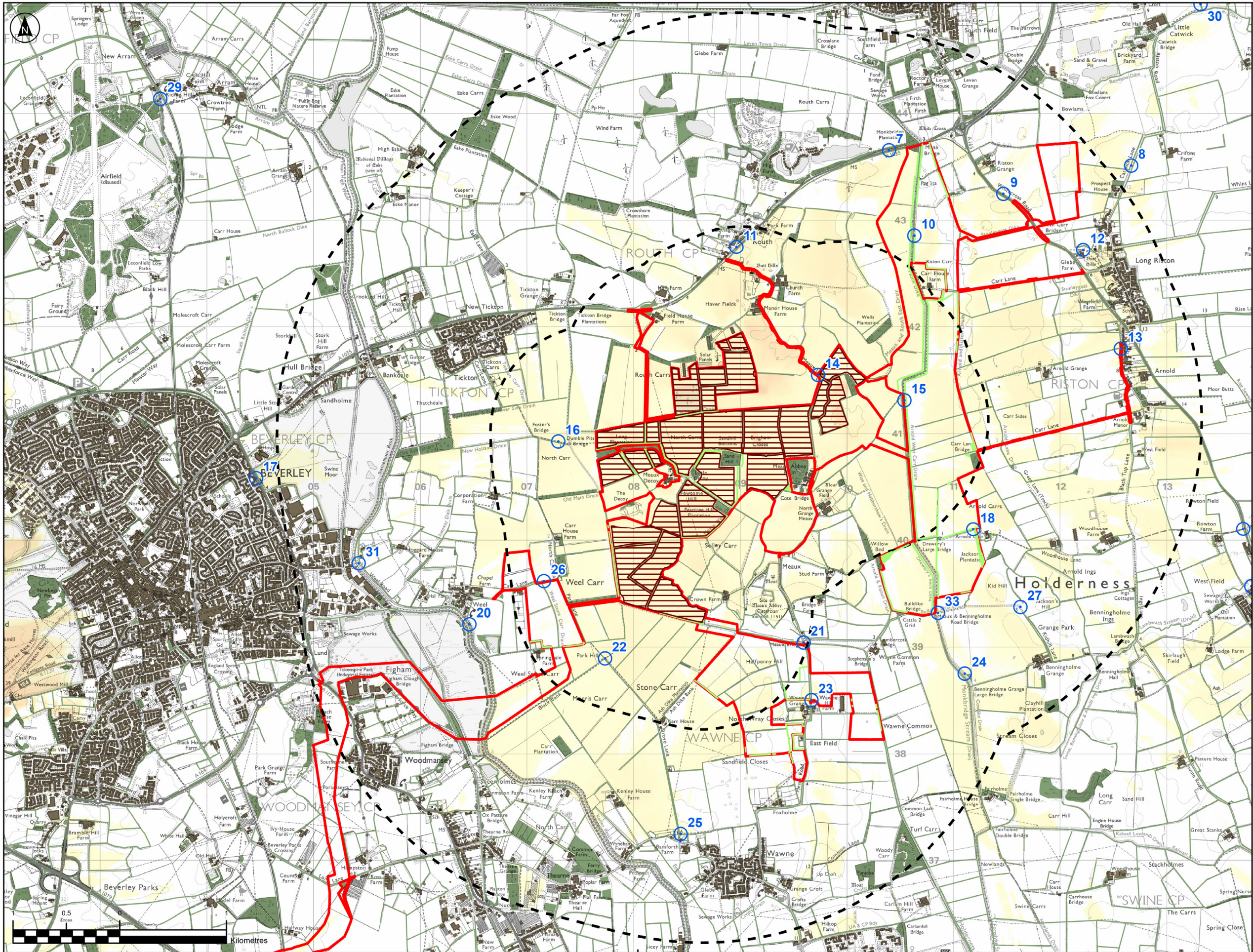
05/12/2024

MP

ZF

LY

ZF



No.	Viewpoint
7	A1035
8	Catwick Lane
9	A165, White Cross Road
10	Monk Dike (north), PRoW Riston Footpath no.2
11	A1035 at Routh
12	Long Riston Church, PRoW Riston Footpath no.5
13	Long Riston (Arnold)
14	Meaux Lane (north)
15	Monk Dike (south), PRoW Riston Footpath no.2
16	PRoW Tickton Footpath no.6
17	A164 eastern edge of Beverley
18	Woodhouse Lane, PRoW Riston Footpath no.1
19	A165 north of Skirlaugh
20	River Hull at Weel, PRoW Tickton Footpath no.12
21	Meaux Lane (south)
22	PRoW Tickton Bridleway no.5
23	Meaux Road at Wawne Grange
24	Cowdike Drain, PRoW Swine Footpath no.7
25	PRoW Wawne Footpath no.11 / Grove Lane
26	Carr Lane, east of Weel
27	Kidhill Lane
28	Trans Pennine Trail
29	Minster Way
30	PRoW Catwick Footpath no.3
31	Weel Road/ River Hull
32	Barn Street, Skirlaugh
33	Meaux and Benningholme Road Bridge, Kidhill Lane

A3

03/09/2025 11:37

Order Limits

Proposed areas for solar PV modules D1-D17, E1-E5, E7-E12

Distance radii from fields hosting solar PV modules (1, 3km)

Viewpoints

Existing hedges/woodland (modelled at 2m/10m)

Existing buildings (modelled at 7.5m)

Proposed Planting Mitigation

Zone of Theoretical Visibility (3.5m to tops of panels)

More theoretical visibility

Less theoretical visibility

The Base mapping is based upon Ordnance Survey (OS) data. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2024. All rights reserved. Ordnance Survey licence number 0100031673. Maxar, Microsoft, Contains OS data © Crown Copyright and database right 2023. Contains data from OS Zoomstack

Notes: This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed route in the Visibility Analysis plugin for GIS. The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands, hedgerows and buildings. A digital surface model (DSM) has been derived from DEFRA 2022 LIDAR 2m DTM height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 7.5m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area. Hedgerows have been digitised and modelled with an assumed height of 2m outside the site/3.5m within the site. The model does not take into account some localised features such as small copses or individual trees and therefore still gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be less than that suggested by this plan. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 5m resolution.

P02	03/09/2025	MP	ZF	LY	ZF
P01	05/12/2024	MP	ZF	LY	ZF
Rev	Date	By	Chkd	Appd	Authd

Client

RWE

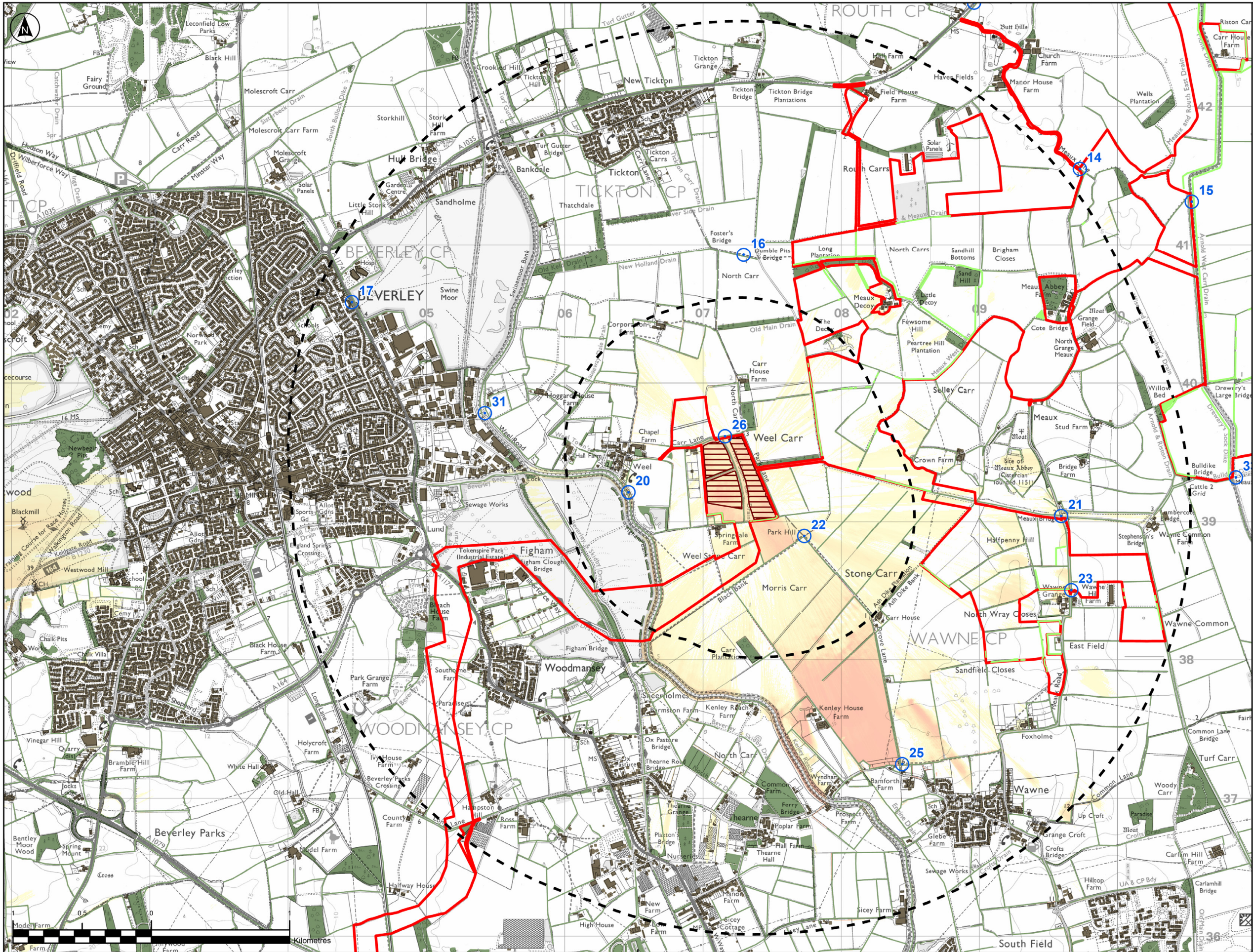
Designer

RSK

Project Name
Peartree Hill Solar Farm

Drawing Title
Environmental Statement
Volume 3, Figure 11.8c:
Solar PV Modules
Year 10 Post Mitigation
ZTV - Fields D1-D17,
E1-E5, E7-E12

Scale at A3 1:35,000	Coordinate System British National Grid
Status DCO Application	
PRIS Number EN010157/APPI6.3	Rev P02



- | No. | Viewpoint |
|-----|--|
| 11 | A1035 at Routh |
| 12 | Long Riston Church, PRoW Riston Footpath no.5 |
| 13 | Long Riston (Arnold) |
| 14 | Meaux Lane (north) |
| 15 | Monk Dike (south), PRoW Riston Footpath no.2 |
| 16 | PRoW Tickton Footpath no.6 |
| 17 | A164 eastern edge of Beverley |
| 18 | Woodhouse Lane, PRoW Riston Footpath no.1 |
| 20 | River Hull at Weel, PRoW Tickton Footpath no.12 |
| 21 | Meaux Lane (south) |
| 22 | PRoW Tickton Bridleway no.5 |
| 23 | Meaux Road at Wawne Grange |
| 24 | Cowdike Drain, PRoW Swine Footpath no.7 |
| 25 | PRoW Wawne Footpath no.11 / Grove Lane |
| 26 | Carr Lane, east of Weel |
| 27 | Kidhill Lane |
| 31 | Weel Road/ River Hull |
| 33 | Meaux and Benningholme Road Bridge, Kidhill Lane |

Order Limits

Proposed areas for solar PV modules E13-E15

Distance radii from fields hosting solar PV modules (1, 3km)

Viewpoints

Existing hedges/woodland (modelled at 2m/10m)

Existing buildings (modelled at 7.5m)

Proposed Planting Mitigation

Zone of Theoretical Visibility (3.5m to tops of panels)

More theoretical visibility

Less theoretical visibility

The base mapping is based upon Ordnance Survey (OS) data. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2024. All rights reserved. Ordnance Survey licence number 0100031673. Maxar, Microsoft, Contains OS data © Crown Copyright and database right 2023. Contains data from OS Zoomstack

Notes: This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for GIS. The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands, hedgerows and buildings. A digital surface model (DSM) has been derived from DEFRA 2022 LiDAR 2m DTM height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 7.5m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area. Hedgerows have been digitised and modelled with an assumed height of 2m outside the 3.5m within the site. The model does not take into account some localised features such as small copses or individual trees and therefore still gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be less than that suggested by this plan. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 5m resolution.

P02	03/09/2025	MP	ZF	LY	ZF
P01	05/12/2024	MP	ZF	LY	ZF
Rev	Date	By	Chkd	Appd	Authd

Client

RWE

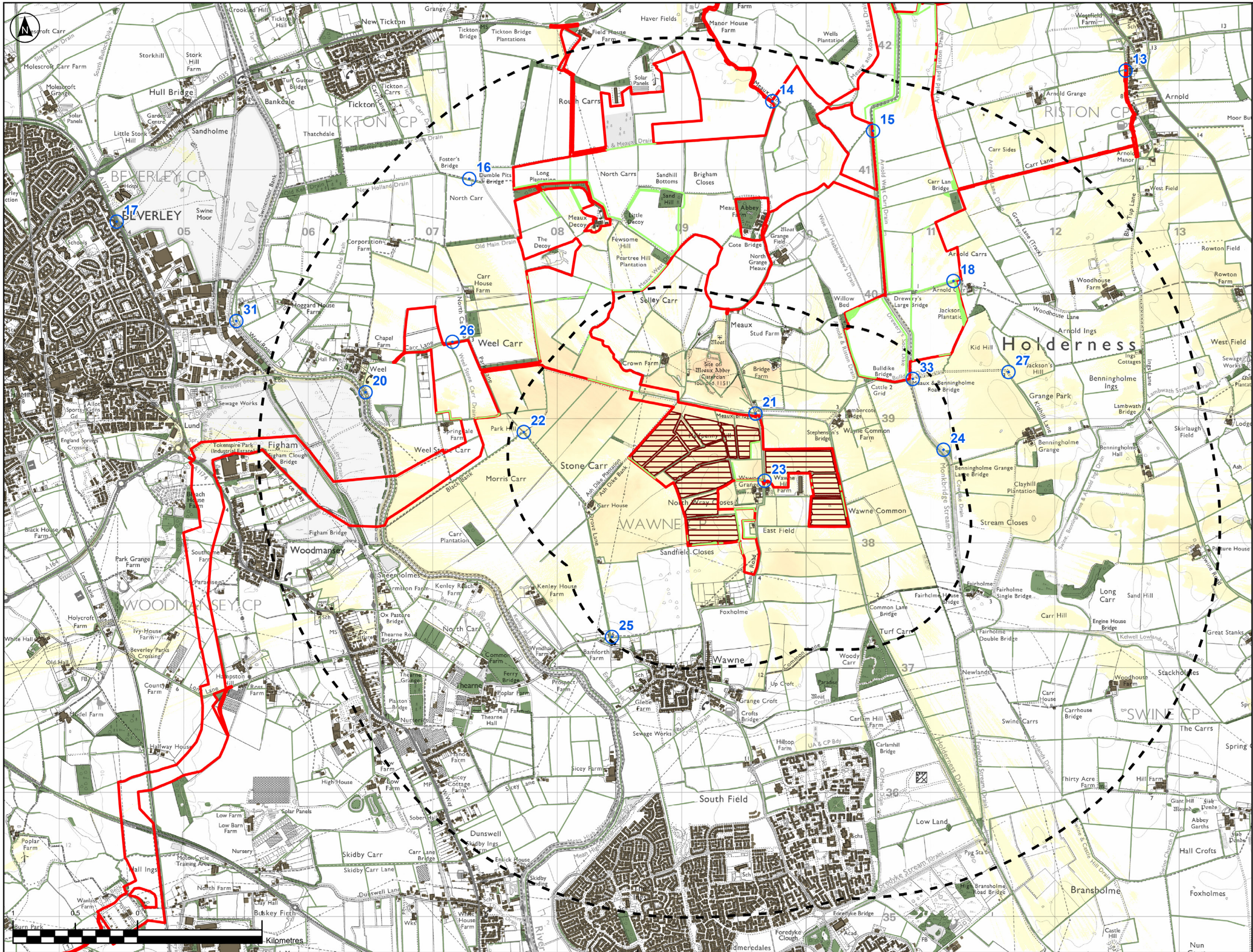
Designer

RSK

Project Name
Peartree Hill Solar Farm

Drawing Title
Environmental Statement
Volume 3, Figure 11.8d:
Solar PV Modules
Year 10 Post Mitigation
ZTV - Fields E13-E17

Scale at A3 1:27,000	Coordinate System British National Grid
Status DCO Application	
PRIS Number EN010157/APPI6.3	Rev P02



- | No. | Viewpoint |
|-----|--|
| 13 | Long Riston (Arnold) |
| 14 | Meaux Lane (north) |
| 15 | Monk Dike (south), PRoW Riston Footpath no.2 |
| 16 | PRoW Tickton Footpath no.6 |
| 17 | A164 eastern edge of Beverley |
| 18 | Woodhouse Lane, PRoW Riston Footpath no.1 |
| 19 | A165 north of Skirlaugh |
| 20 | River Hull at Weel, PRoW Tickton Footpath no.12 |
| 21 | Meaux Lane (south) |
| 22 | PRoW Tickton Bridleway no.5 |
| 23 | Meaux Road at Wawne Grange |
| 24 | Cowdike Drain, PRoW Swine Footpath no.7 |
| 25 | PRoW Wawne Footpath no.11 / Grove Lane |
| 26 | Carr Lane, east of Weel |
| 27 | Kidhill Lane |
| 28 | Trans Pennine Trail |
| 31 | Weel Road/ River Hull |
| 32 | Barn Street, Skirlaugh |
| 33 | Meaux and Benningholme Road Bridge, Kidhill Lane |

A3

03/09/2025 11:36

Order Limits

Proposed areas for solar PV modules F1-F8, F11-F17

Distance radii from fields hosting solar PV modules (1, 3km)

Viewpoints

Existing hedges/woodland (modelled at 2m/10m)

Existing buildings (modelled at 7.5m)

Proposed Planting Mitigation

Zone of Theoretical Visibility (3.5m to tops of panels)

More theoretical visibility

Less theoretical visibility

The Base mapping is based upon Ordnance Survey (OS) data. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2024. All rights reserved. Ordnance Survey licence number 0100031673. Maxar, Microsoft, Contours OS data © Crown Copyright and database right 2023. Contains data from OS ZOOMstack

Notes: This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for GIS. The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands, hedgerows and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 7.5m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area. Hedgerows have been digitised and modelled with an assumed height of 2m outside the site/3.5m within the site. The model does not take into account some localised features such as small copses or individual trees and therefore still gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be less than that suggested by this plan. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 5m resolution.

P02	03/09/2025	MP	ZF	LY	ZF
P01	05/12/2024	MP	ZF	LY	ZF
Rev	Date	By	Chkd	Appd	Authd

Client

RWE

Project Name

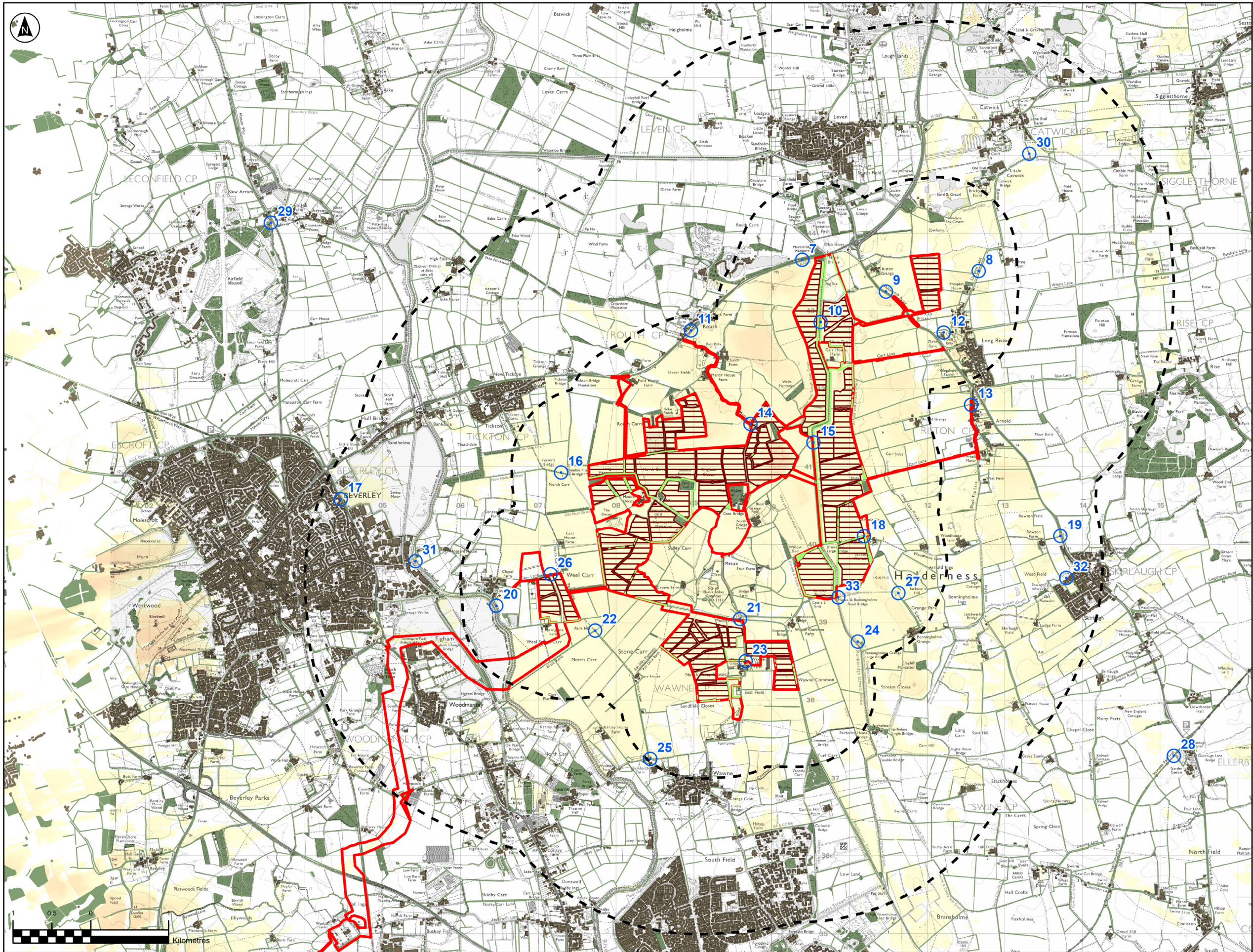
Peartree Hill Solar Farm

Designer

RSK

Drawing Title
Environmental Statement
Volume 3, Figure 11.8e:
Solar PV Modules
Year 10 Post Mitigation
ZTV - Fields F1-F8,
F11-F17

Scale at A3 1:30,000 Status DCO Application	Coordinate System British National Grid
PRIS Number EN010157/APPI6.3	Rev P02



- | No. | Viewpoint |
|-----|--|
| 7 | A1035 |
| 8 | Catwick Lane |
| 9 | A165, White Cross Road |
| 10 | Monk Dike (north), PRoW Riston Footpath no.2 |
| 11 | A1035 at Routh |
| 12 | Long Riston Church, PRoW Riston Footpath no.5 |
| 13 | Long Riston (Arnold) |
| 14 | Meaux Lane (north) |
| 15 | Monk Dike (south), PRoW Riston Footpath no.2 |
| 16 | PRoW Tickton Footpath no.6 |
| 17 | A164 eastern edge of Beverley |
| 18 | Woodhouse Lane, PRoW Riston Footpath no.1 |
| 19 | A165 north of Skirlaugh |
| 20 | River Hull at Weel, PRoW Tickton Footpath no.12 |
| 21 | Meaux Lane (south) |
| 22 | PRoW Tickton Bridleway no.5 |
| 23 | Meaux Road at Wawne Grange |
| 24 | Cowdike Drain, PRoW Swine Footpath no.7 |
| 25 | PRoW Wawne Footpath no.11 / Grove Lane |
| 26 | Carr Lane, east of Weel |
| 27 | Kidhill Lane |
| 28 | Trans Pennine Trail |
| 29 | Minster Way |
| 30 | PRoW Catwick Footpath no.3 |
| 31 | Weel Road/ River Hull |
| 32 | Barn Street, Skirlaugh |
| 33 | Meaux and Benningholme Road Bridge, Kidhill Lane |

Order Limits

Proposed areas for solar PV modules

Distance radii from fields hosting solar PV modules (1, 3km)

Viewpoints

Existing hedges/woodland (modelled at 2m/10m)

Existing buildings (modelled at 7.5m)

Proposed Planting Mitigation

Zone of Theoretical Visibility (3.5m to tops of panels)

More theoretical visibility

Less theoretical visibility

The Base mapping is based upon Ordnance Survey (OS) data. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2024. All rights reserved. Ordnance Survey licence number 0100031673. Maxar, Microsoft, Contains OS data © Crown Copyright and database right 2023. Contains data from OS Zoomstack

Notes: This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for CGIS. The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands, hedgerows and buildings. A digital surface model (DSM) has been derived from DEFRA 2022 LiDAR 2m DTM height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 7.5m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area. Hedgerows have been digitised and modelled with an assumed height of 2m outside the site/3.5m within the site. The model does not take into account some localised features such as small copses or individual trees and therefore still gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be less than that suggested by this plan. The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 5m resolution.

Client		Project Name		Drawing Title	
RWE		Peartree Hill Solar Farm		Environmental Statement	
Designer		Volume 3, Figure 11.8f:		Solar PV Modules	
RSK		Year 10 Post Mitigation		ZTV - All Fields	
Rev	Date	By	Chkd	Appd	Authd
P02	03/09/2025	MP	ZF	LY	ZF
P01	05/12/2024	MP	ZF	LY	ZF

Client		Project Name		Drawing Title	
RWE		Peartree Hill Solar Farm		Environmental Statement	
Designer		Volume 3, Figure 11.8f:		Solar PV Modules	
RSK		Year 10 Post Mitigation		ZTV - All Fields	
Rev	Date	By	Chkd	Appd	Authd
P02	03/09/2025	MP	ZF	LY	ZF
P01	05/12/2024	MP	ZF	LY	ZF

Client		Project Name		Drawing Title	
RWE		Peartree Hill Solar Farm		Environmental Statement	
Designer		Volume 3, Figure 11.8f:		Solar PV Modules	
RSK		Year 10 Post Mitigation		ZTV - All Fields	
Rev	Date	By	Chkd	Appd	Authd
P02	03/09/2025	MP	ZF	LY	ZF
P01	05/12/2024	MP	ZF	LY	ZF

Client		Project Name		Drawing Title	
RWE		Peartree Hill Solar Farm		Environmental Statement	
Designer		Volume 3, Figure 11.8f:		Solar PV Modules	
RSK		Year 10 Post Mitigation		ZTV - All Fields	
Rev	Date	By	Chkd	Appd	Authd
P02	03/09/2025	MP	ZF	LY	ZF
P01	05/12/2024	MP	ZF	LY	ZF

Client		Project Name		Drawing Title	
RWE		Peartree Hill Solar Farm		Environmental Statement	
Designer		Volume 3, Figure 11.8f:		Solar PV Modules	
RSK		Year 10 Post Mitigation		ZTV - All Fields	
Rev	Date	By	Chkd	Appd	Authd
P02	03/09/2025	MP	ZF	LY	ZF
P01	05/12/2024	MP	ZF	LY	ZF

RWE Renewables UK Limited

Windmill Hill Business Park,
Whitehill Way,
Swindon,
Wiltshire,
England,
SN5 6PB
www.rwe.com