



Appendix 8.3

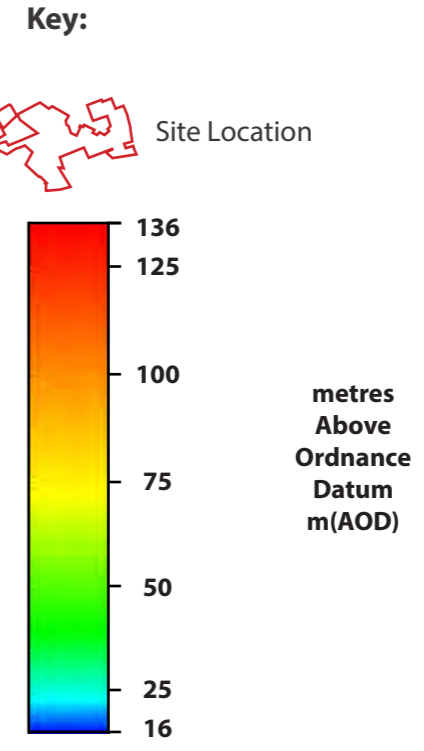
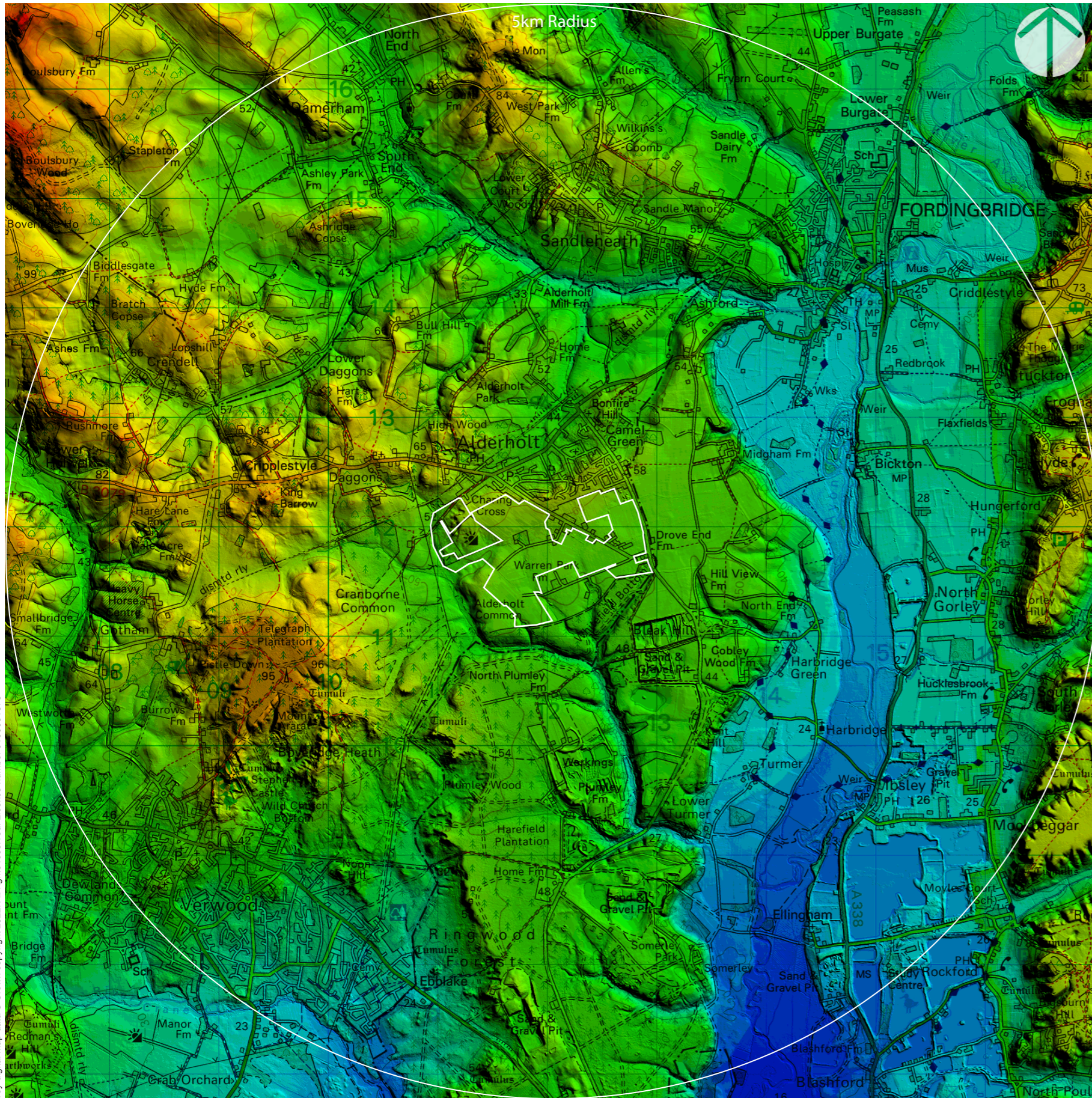
Calculation of Zones of Theoretical Visibility



ALDERHOLT MEADOWS

January 2023





Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.



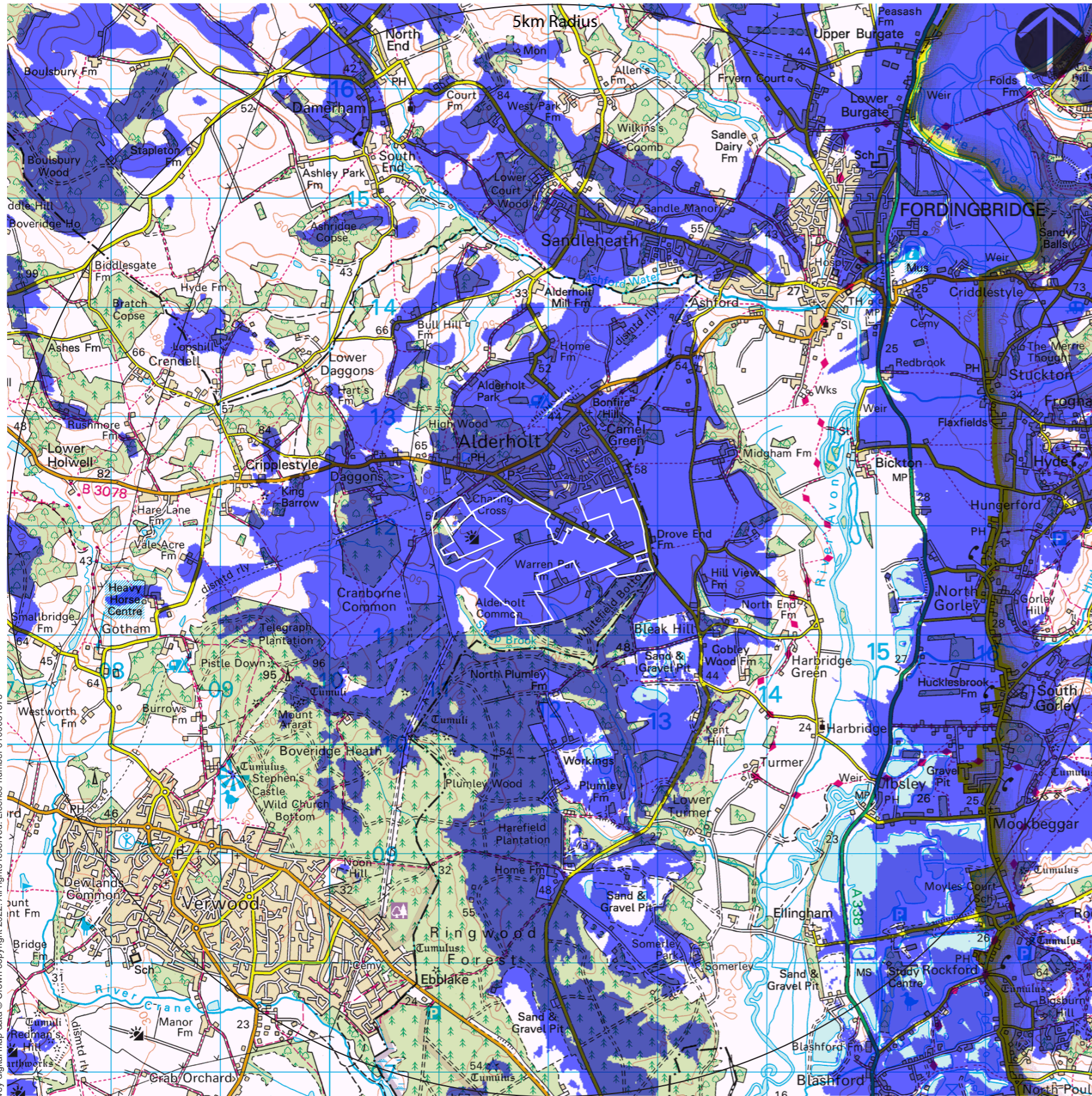
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Landform



SCALE: As Shown DRAWING NO: UIS02001 - 1 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Housing development)
 Landscape and Visual Impact Assessment





Key:

-  Site Location
-  Theoretical visibility

Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.

Viewer height used in calculation 1.60m.

Building Heights calculated using layout information supplied by architects.

This ZTV does not include the screening effects of buildings or vegetation in the study area.

The calculation takes into account the effects of the curvature of the earth and light refraction. The calculation does not use mathematically approximate methods.



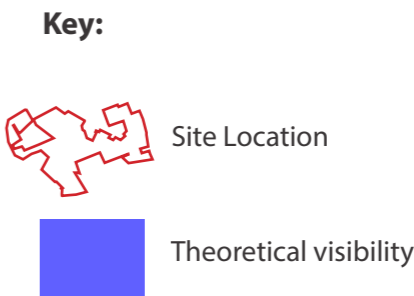
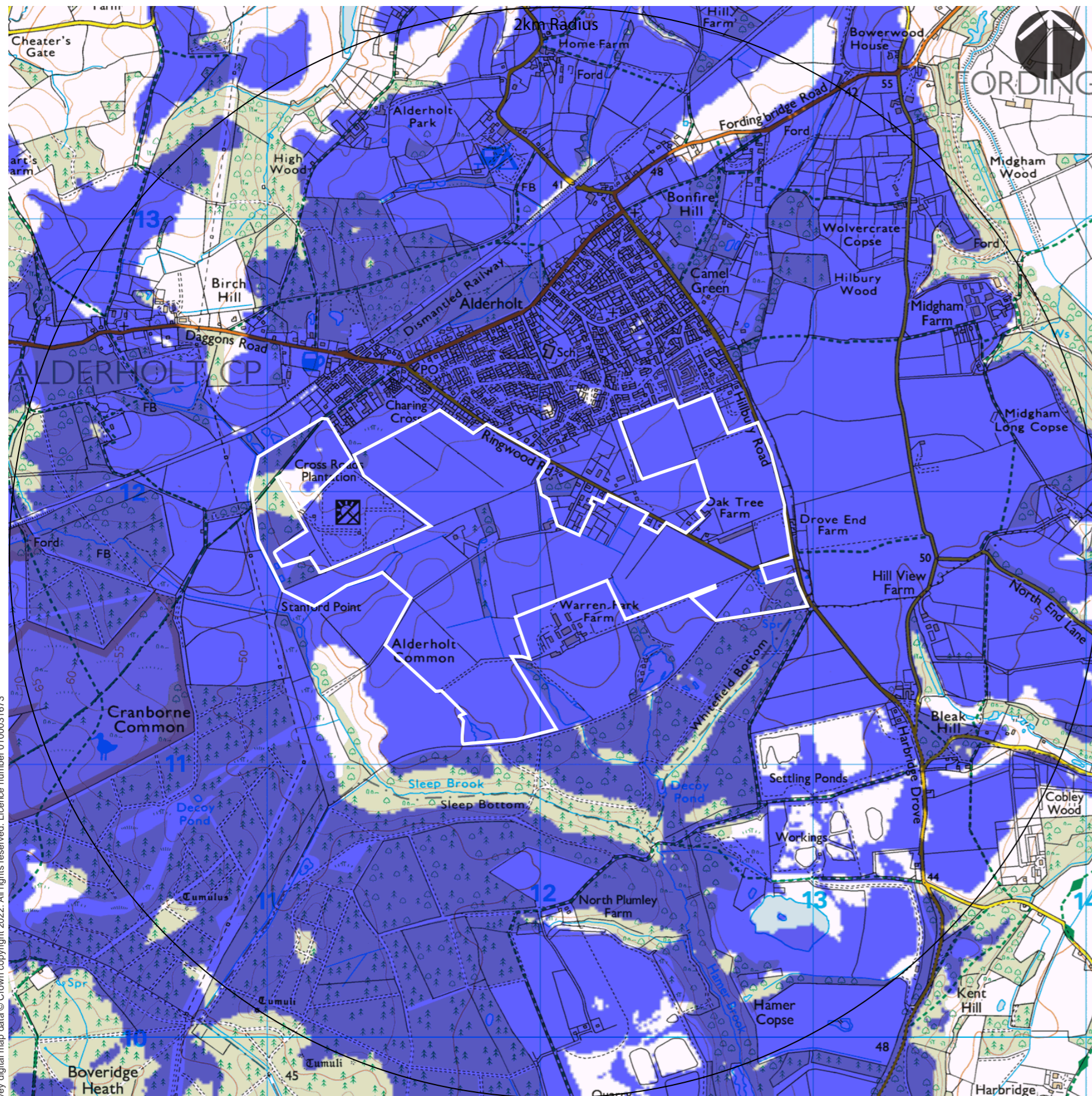
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Zone of Visual Influence - Bare Earth Calculation

SCALE: As Shown DRAWING NO: UIS02001 - 2 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Housing development)
 Landscape and Visual Impact Assessment





Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.

Viewer height used in calculation 1.60m.

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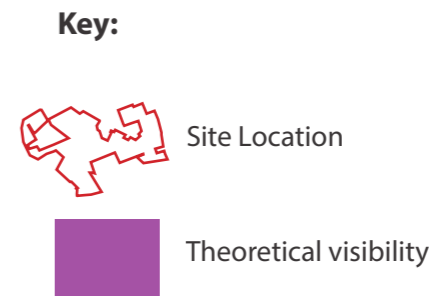
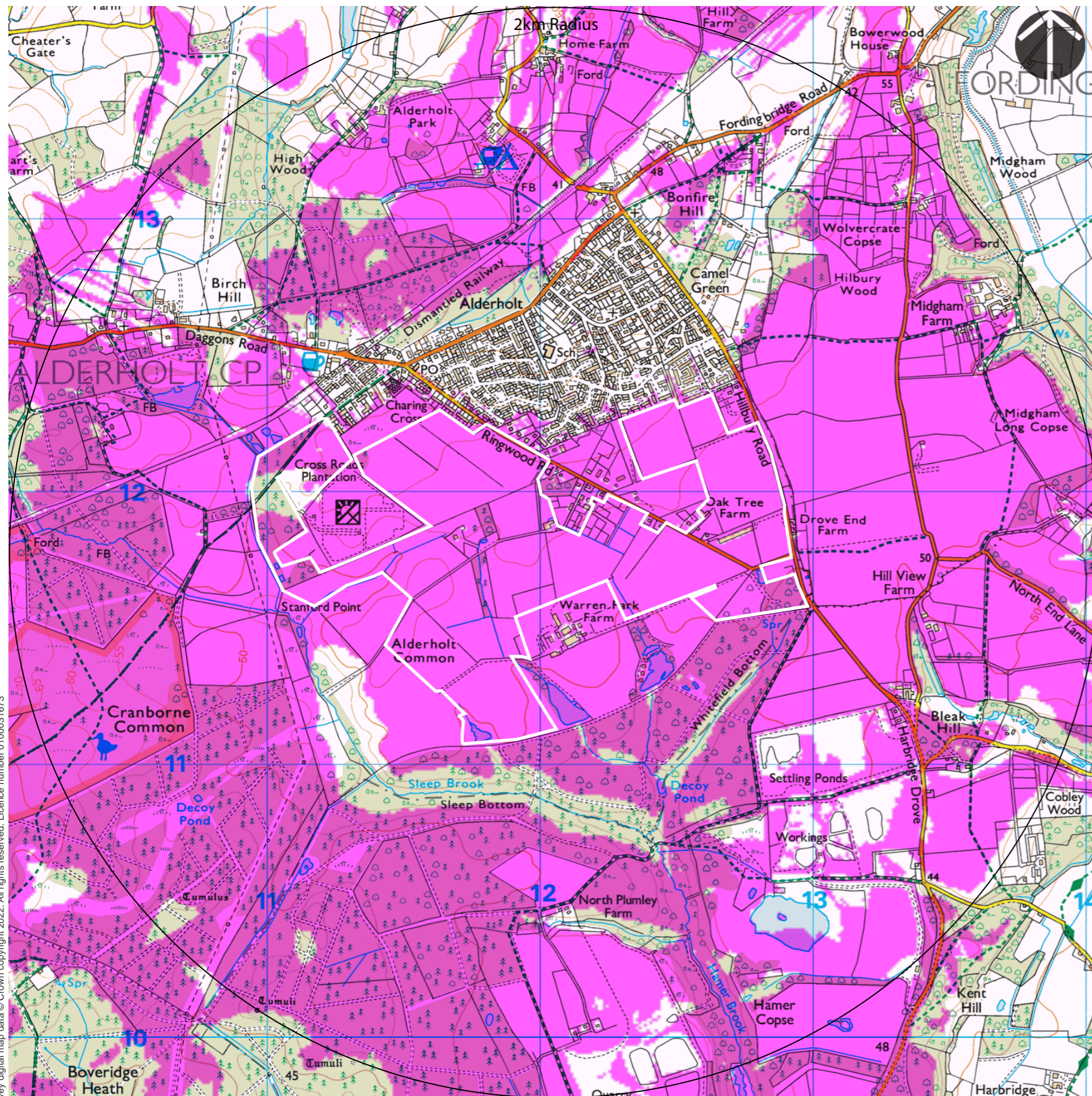
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Zone of Visual Influence - Bare Earth Calculation

SCALE: As Shown DRAWING NO: UIS02001 - 3 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Housing development)
 Landscape and Visual Impact Assessment





Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.

Viewer height used in calculation 1.60m.

Building Heights calculated using layout information supplied by architects.

This ZTV includes the screening effects of buildings in the study area, to illustrate maximum theoretical winter visibility. It is assumed all vegetation has clear views.

The calculation takes into account the effects of the curvature of the earth and light refraction. The calculation does not use mathematically approximate methods.

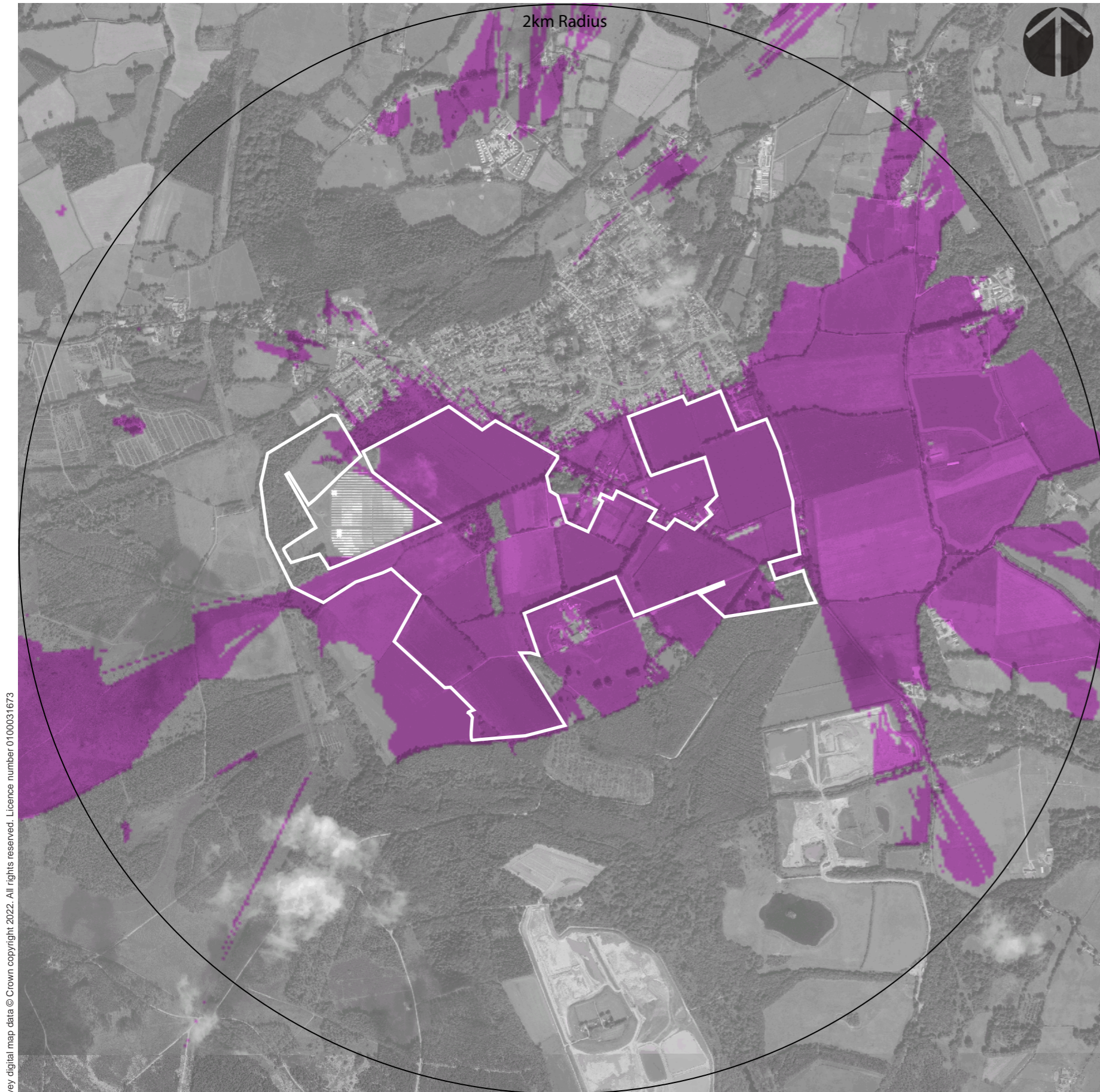


Zone of Visual Influence - Visual Buffers Calculation (Winter)

SCALE: As Shown DRAWING NO: UIS02001 - 4 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Housing development)
 Landscape and Visual Impact Assessment





Key:

-  Site Location
-  Theoretical visibility

Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.

Viewer height used in calculation 1.60m.

Building Heights calculated using layout information supplied by architects.

This ZTV includes the screening effects of buildings and vegetation in the study area, to illustrate maximum theoretical summer visibility.

The calculation takes into account the effects of the curvature of the earth and light refraction. The calculation does not use mathematically approximate methods.



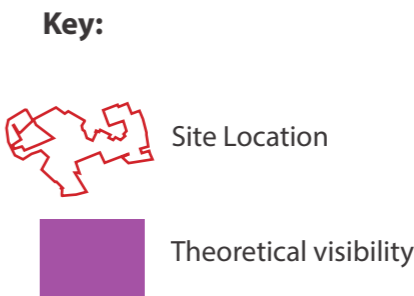
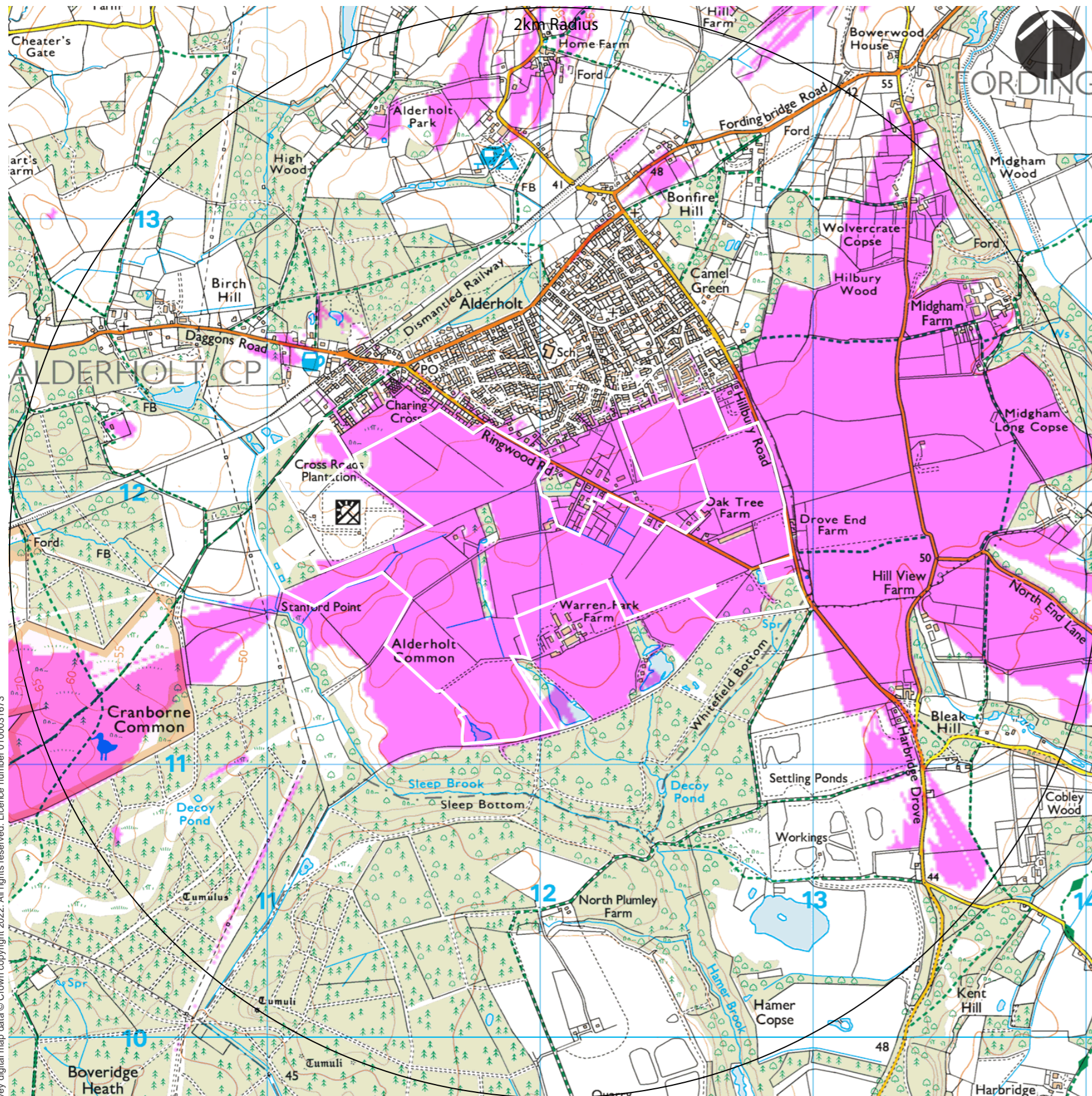
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Zone of Visual Influence - Visual Buffers Calculation (Summer)

SCALE: As Shown DRAWING NO: UIS02001 - 5 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Housing development)
 Landscape and Visual Impact Assessment





Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.

Viewer height used in calculation 1.60m.

Building Heights calculated using layout information supplied by architects.

This ZTV includes the screening effects of buildings and vegetation in the study area, to illustrate maximum theoretical summer visibility.

The calculation takes into account the effects of the curvature of the earth and light refraction. The calculation does not use mathematically approximate methods.



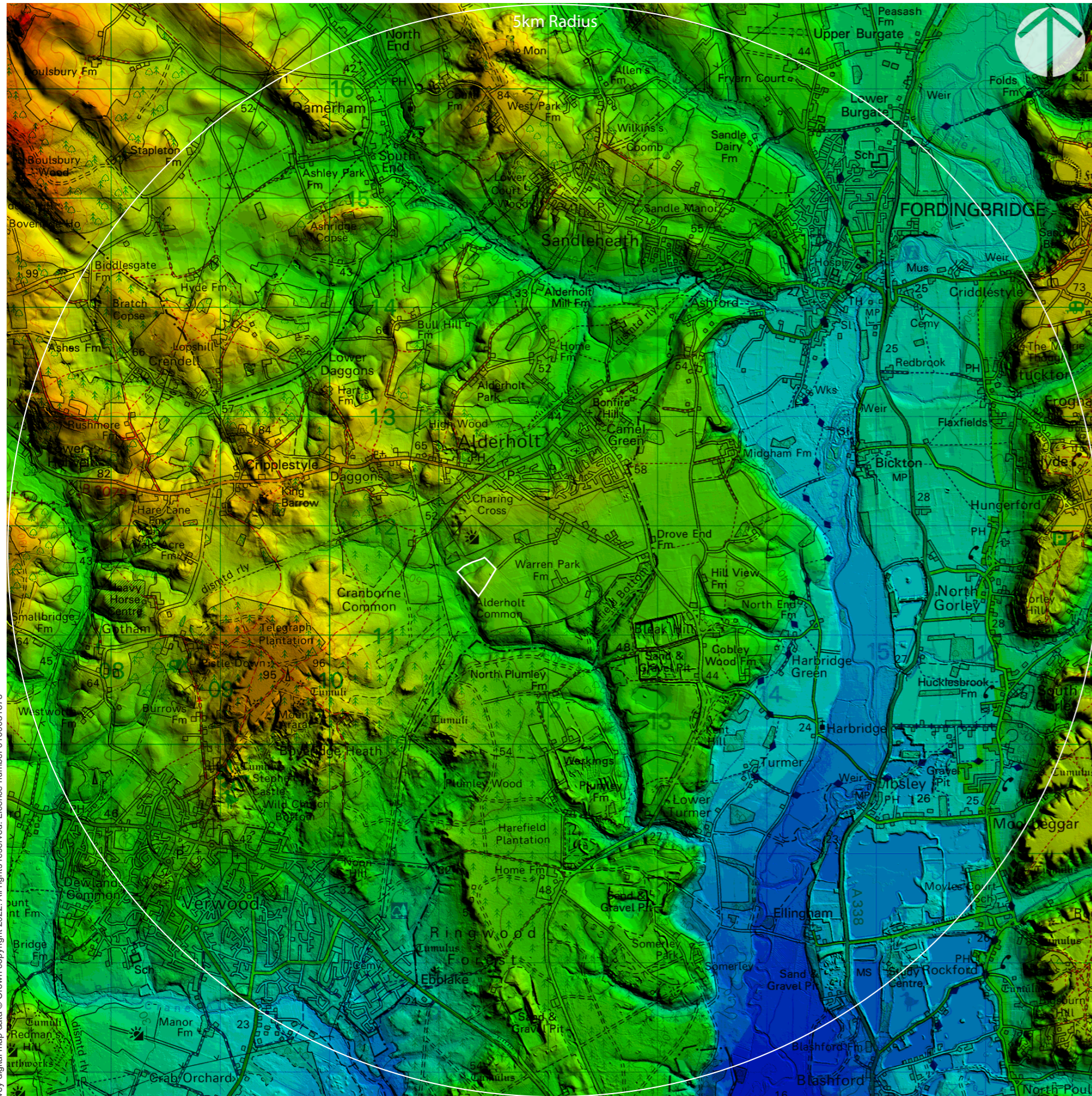
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Zone of Visual Influence - Visual Buffers Calculation (Summer)

SCALE: As Shown DRAWING NO: UIS02001 - 6 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Housing development)
 Landscape and Visual Impact Assessment

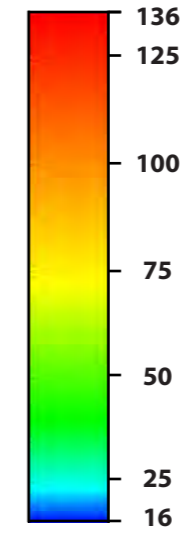




Key:



Site Location



metres
Above
Ordnance
Datum
m(AOD)

Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.



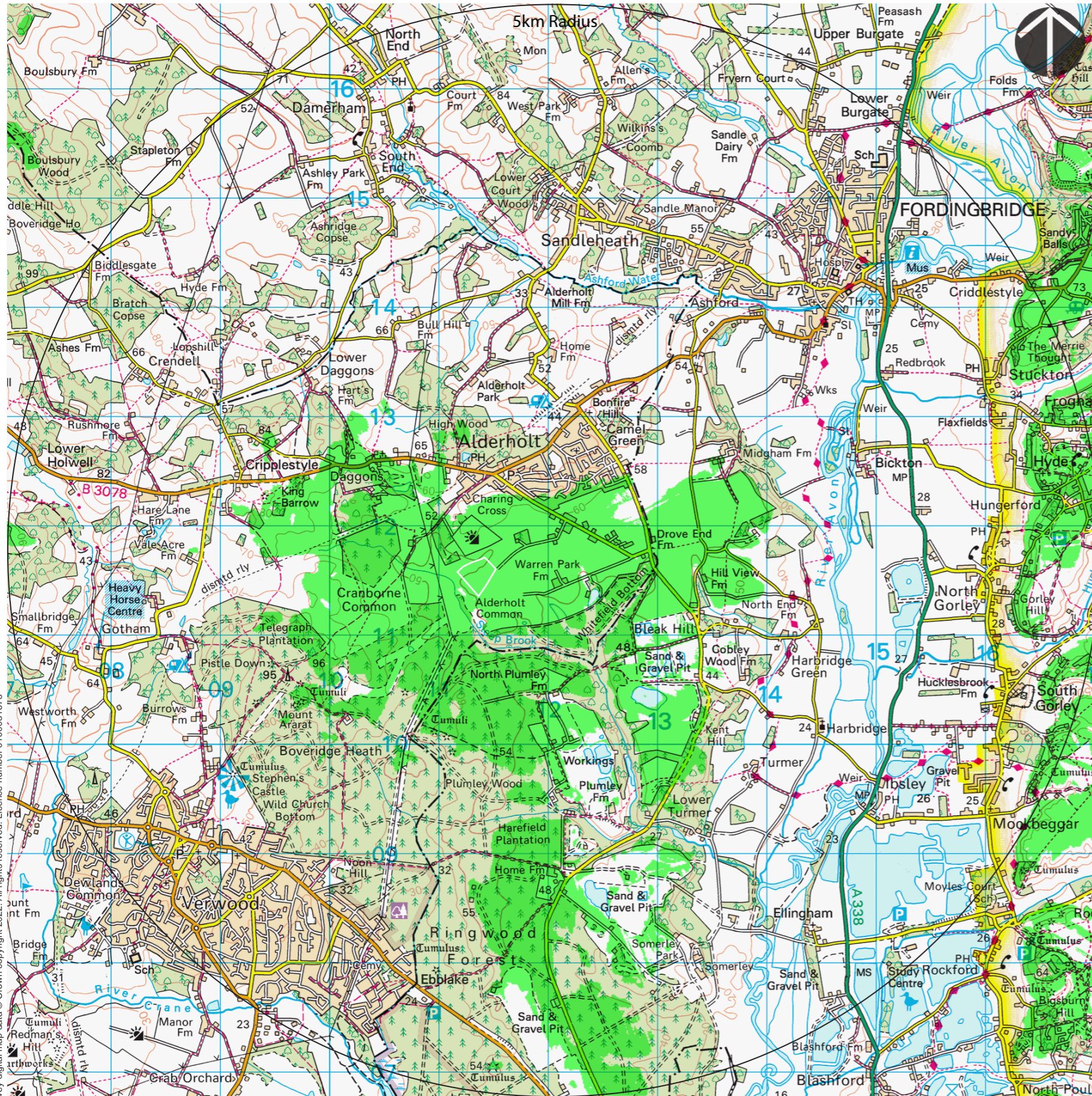
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Landform



SCALE: As Shown DRAWING NO: UIS01001 - 1 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Solar Farm only)
 Landscape and Visual Impact Assessment





Key:

-  Site Location
-  Theoretical visibility

Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.

Viewer height used in calculation 1.60m.

Solar panel heights calculated using layout information supplied by Urban Initiative Studios.

This ZTV does not include the screening effects of buildings or vegetation in the study area.

The calculation takes into account the effects of the curvature of the earth and light refraction. The calculation does not use mathematically approximate methods.



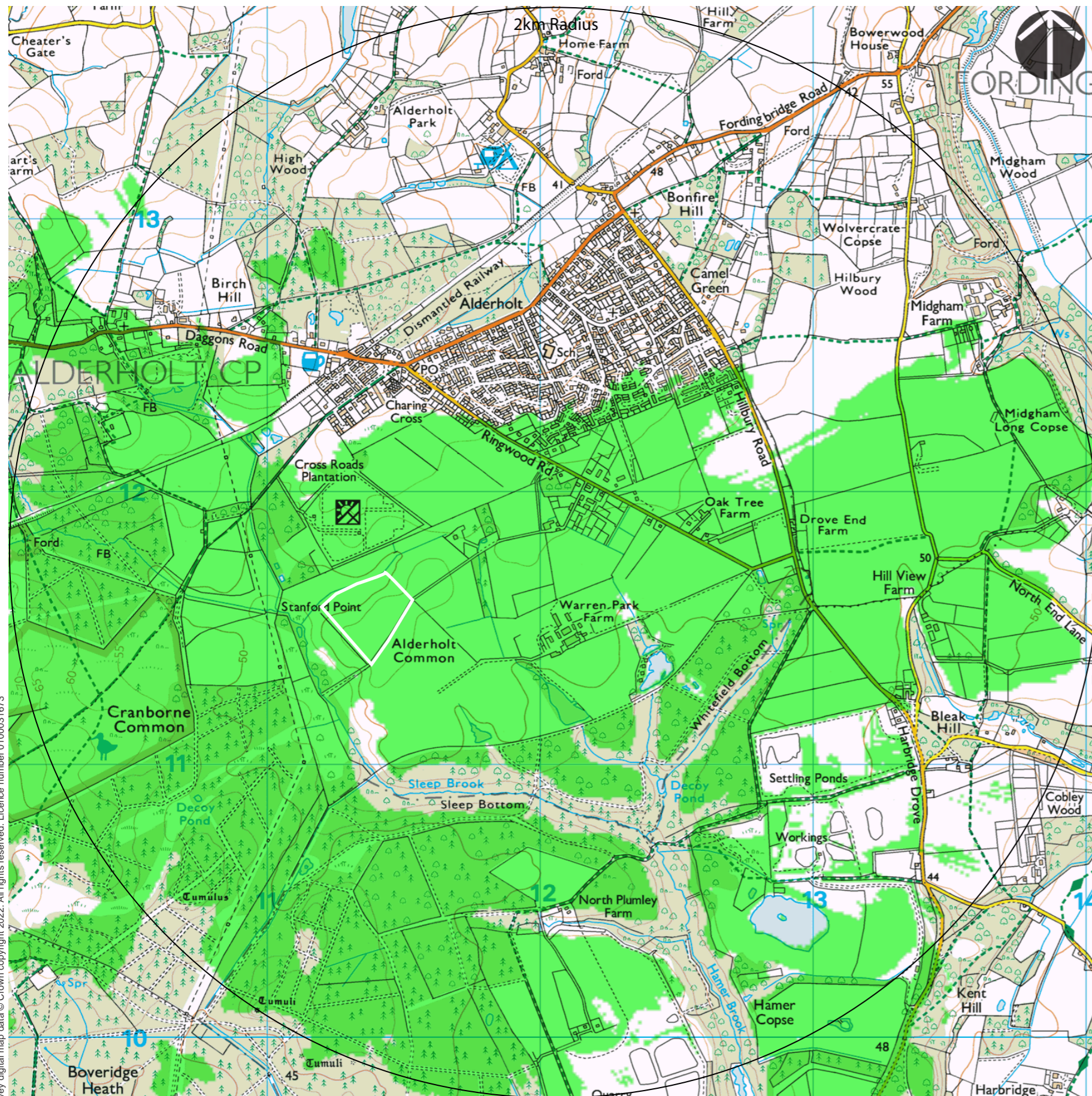
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Zone of Visual Influence - Bare Earth Calculation



SCALE: As Shown DRAWING NO: UIS01001 - 2 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Solar Farm only)
 Landscape and Visual Impact Assessment





Key:

-  Site Location
-  Theoretical visibility

Layout Information

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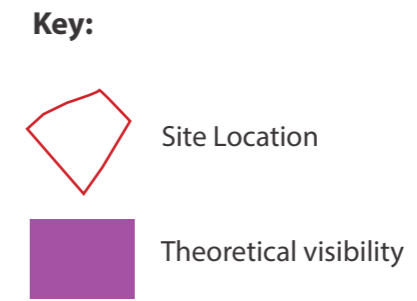
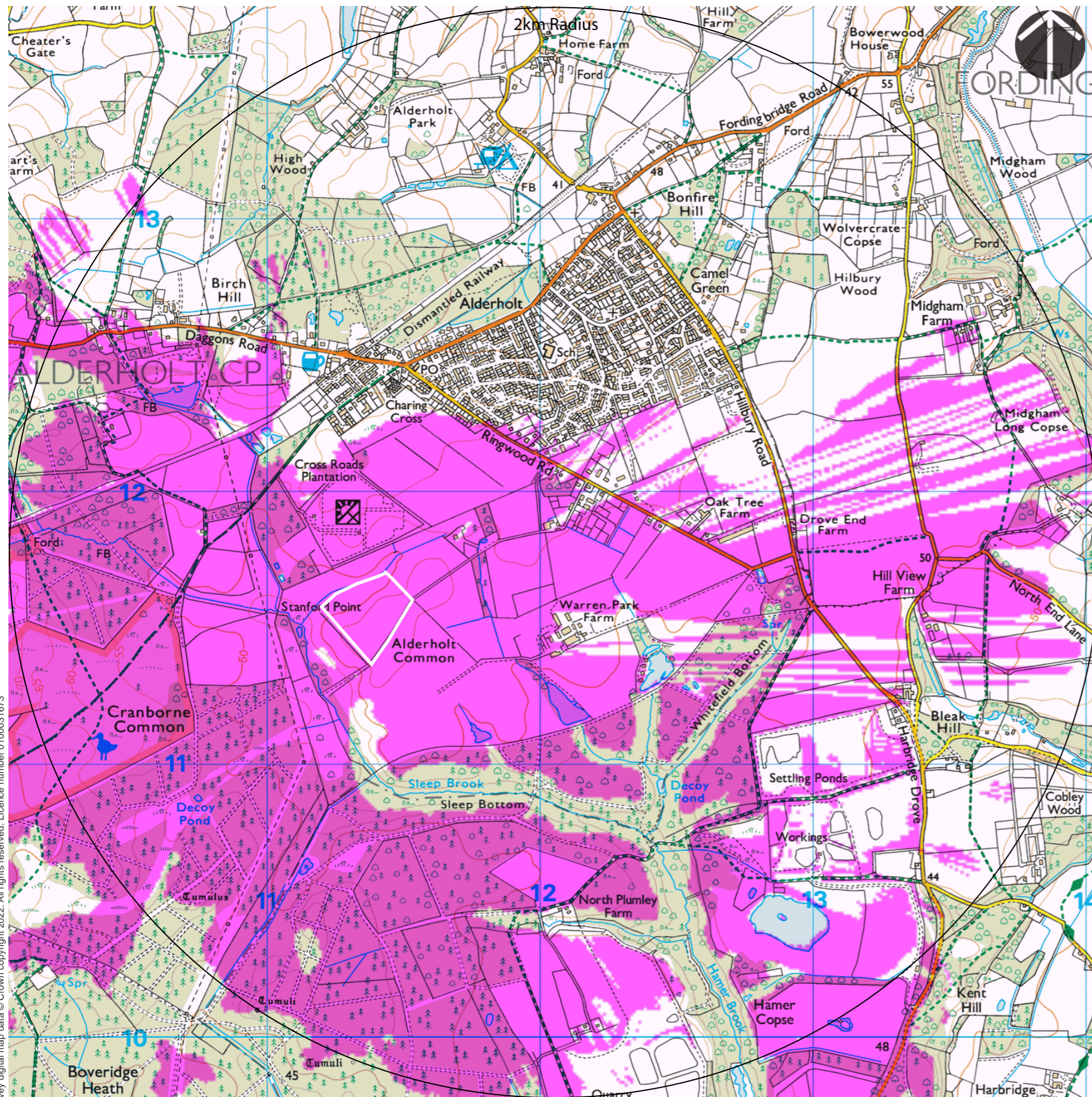
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Zone of Visual Influence - Bare Earth Calculation

SCALE: As Shown DRAWING NO: UIS01001 - 3 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Solar Farm only)
 Landscape and Visual Impact Assessment





Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.

Viewer height used in calculation 1.60m.

Solar panel heights calculated using layout information supplied by Urban Initiative Studios.

This ZTV includes the screening effects of buildings in the study area, to illustrate maximum theoretical winter visibility. It is assumed all vegetation has clear views.

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Zone of Visual Influence - Visual Buffers Calculation (Winter)

SCALE: As Shown DRAWING NO: UIS01001 - 4 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Solar Farm only)
 Landscape and Visual Impact Assessment







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Zone of Visual Influence - Visual Buffers Calculation (Summer)

SCALE: As Shown DRAWING NO: UIS01001 - 5 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Key:

-  Site Location
-  Theoretical visibility

Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.

Viewer height used in calculation 1.60m.

Solar panel heights calculated using layout information supplied by Urban Initiative Studios.

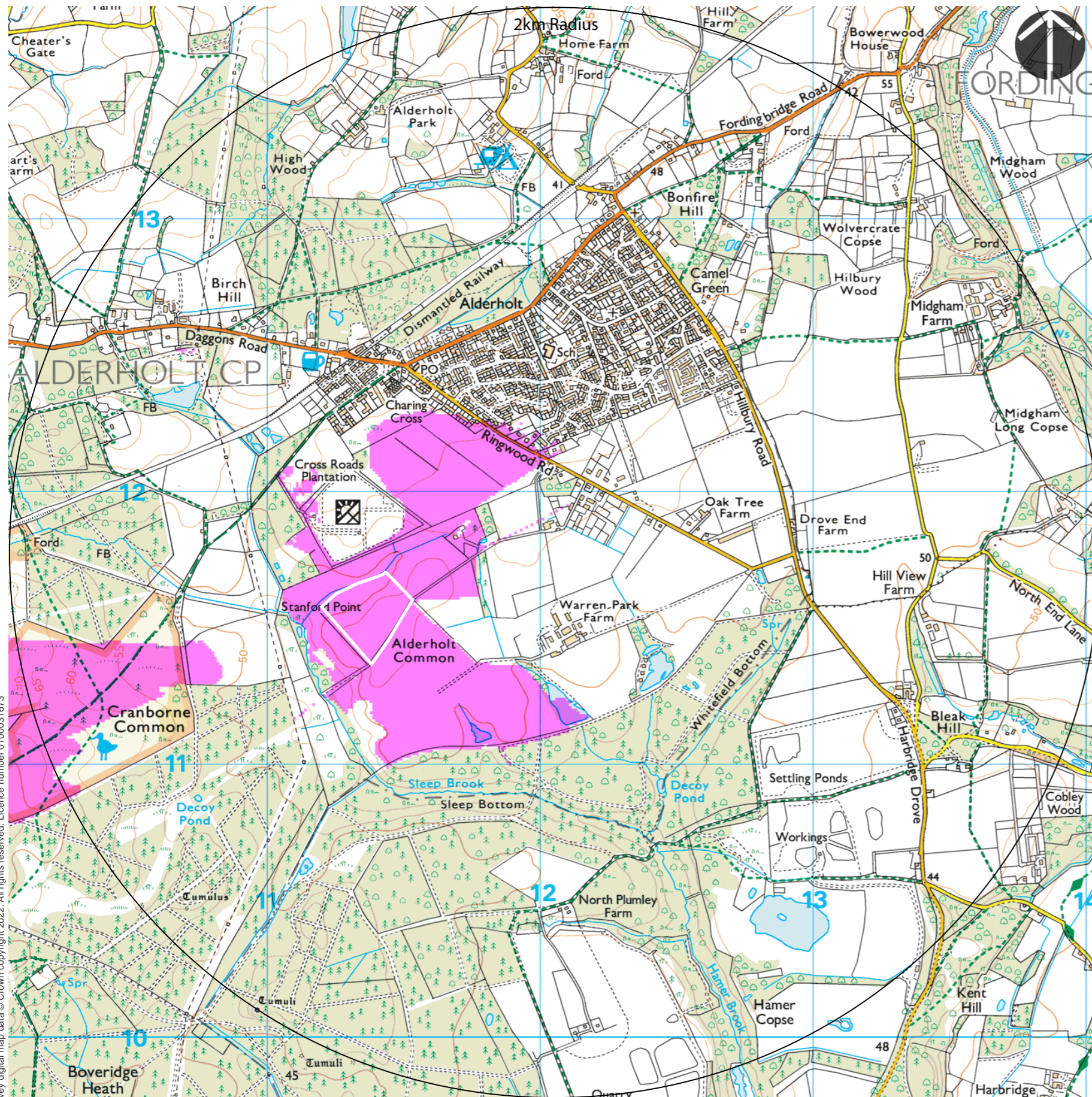
This ZTV includes the screening effects of buildings and vegetation in the study area, to illustrate maximum theoretical summer visibility.

The calculation takes into account the effects of the curvature of the earth and light refraction. The calculation does not use mathematically approximate methods.





Alderholt LVIA (Solar Farm only)
 Landscape and Visual Impact Assessment





Key:

-  Site Location
-  Theoretical visibility

Layout Information

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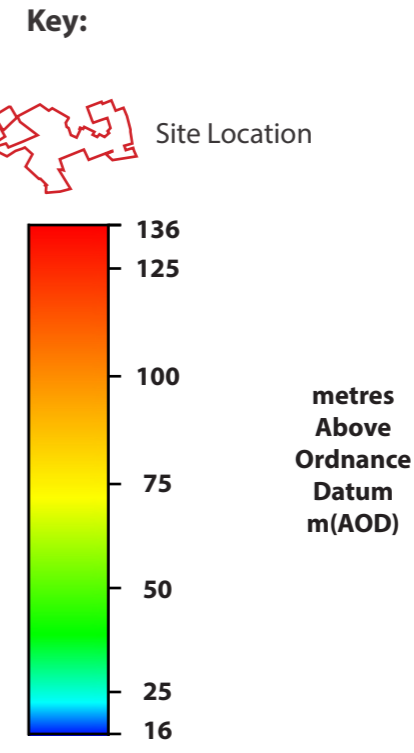
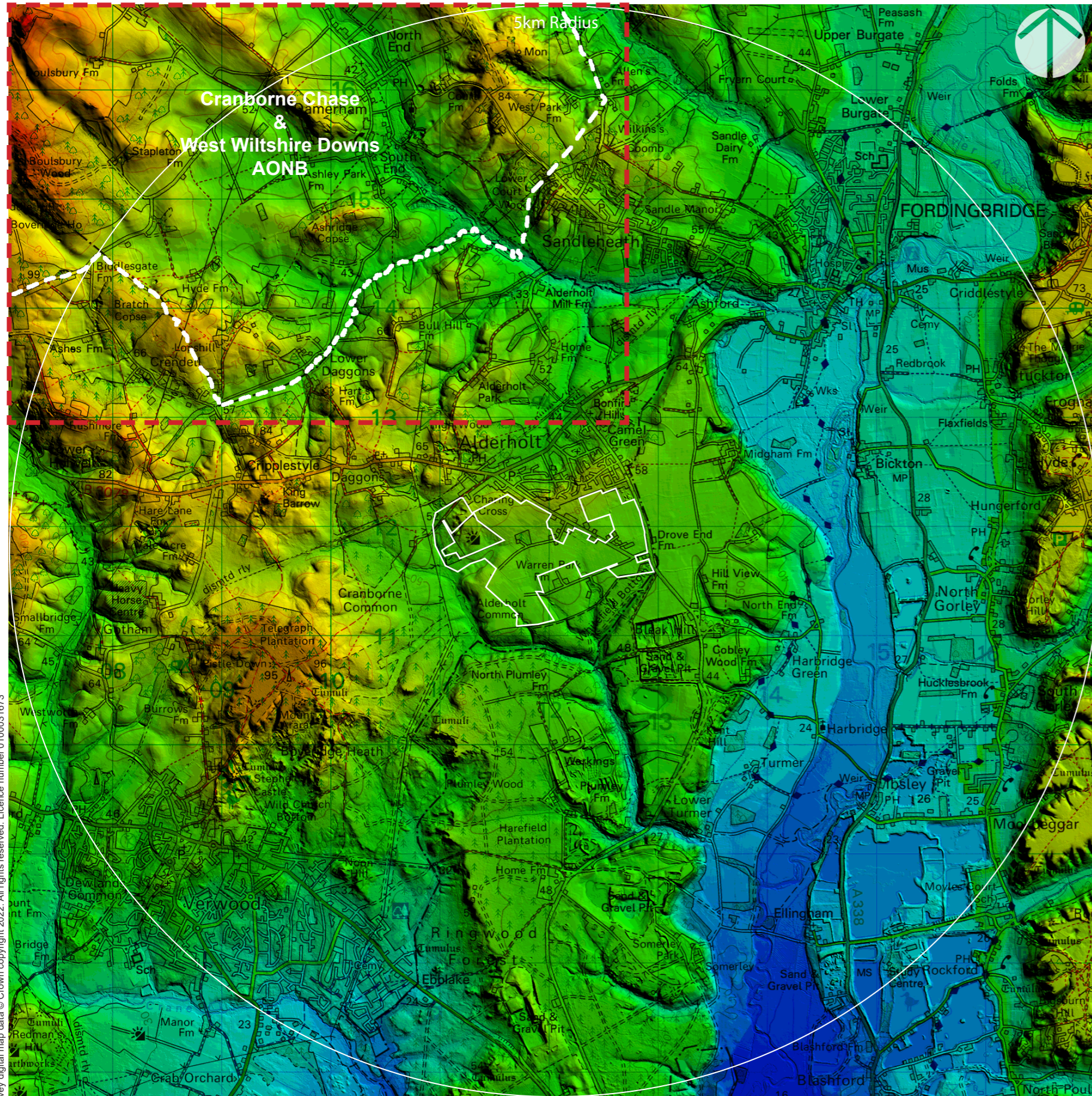
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Zone of Visual Influence - Visual Buffers Calculation (Summer)

SCALE: As Shown DRAWING NO: UIS01001 - 6 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Solar Farm only)
 Landscape and Visual Impact Assessment





Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.



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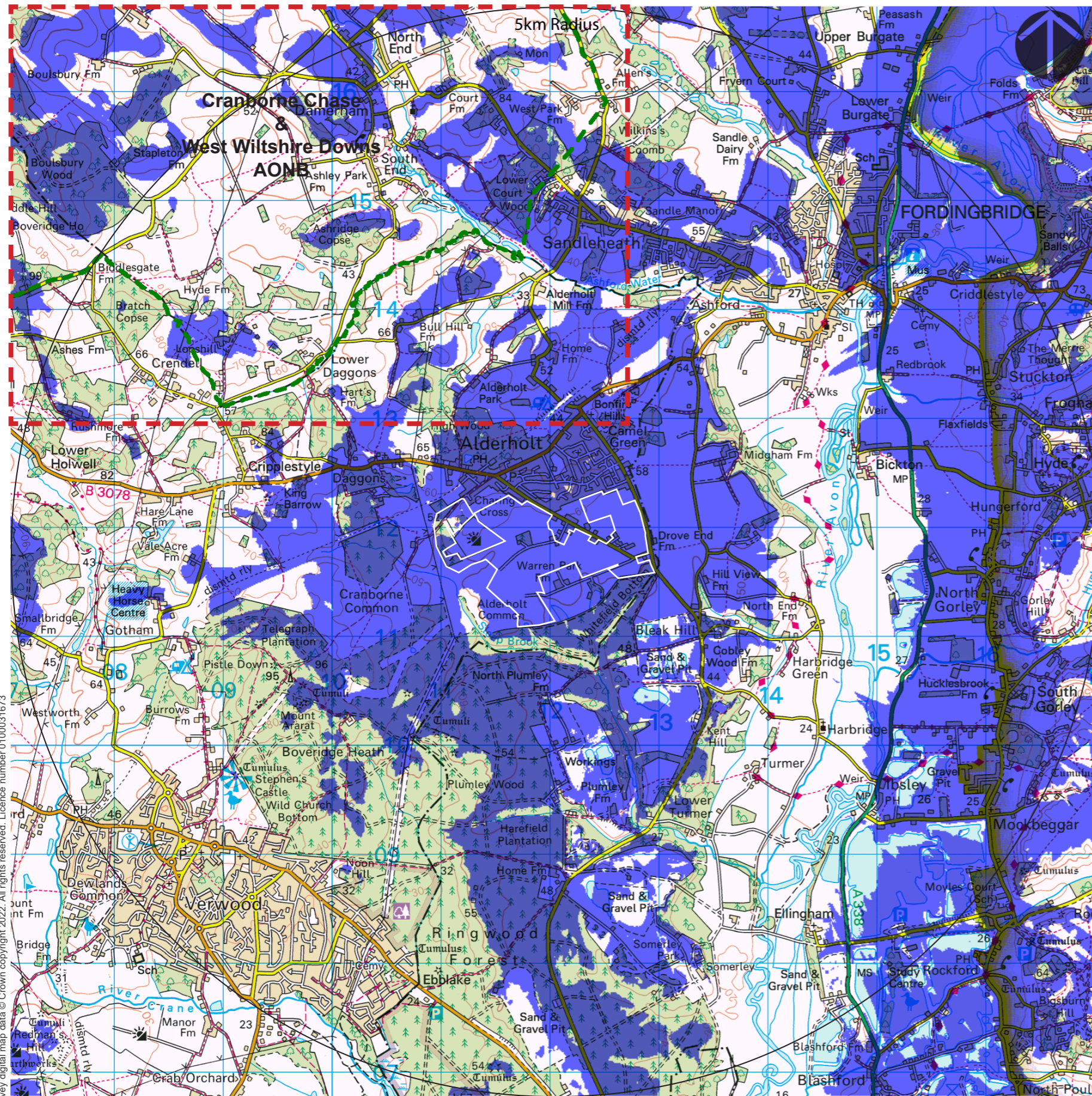
Landform

SCALE: As Shown DRAWING NO: UIS01004 - 1 CHECKED BY: MS

REV: / DRAWN BY: GS DATE: 12.01.2023

Alderholt LVIA (Housing development)
Landscape and Visual Impact Assessment





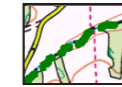
Key:



Site Location



Theoretical visibility



Cranborne Chase & West Wiltshire AONB

Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.

Viewer height used in calculation 1.60m.

Building Heights calculated using layout information supplied by architects.

This ZTV does not include the screening effects of buildings or vegetation in the study area.

The calculation takes into account the effects of the curvature of the earth and light refraction. The calculation does not use mathematically approximate methods.

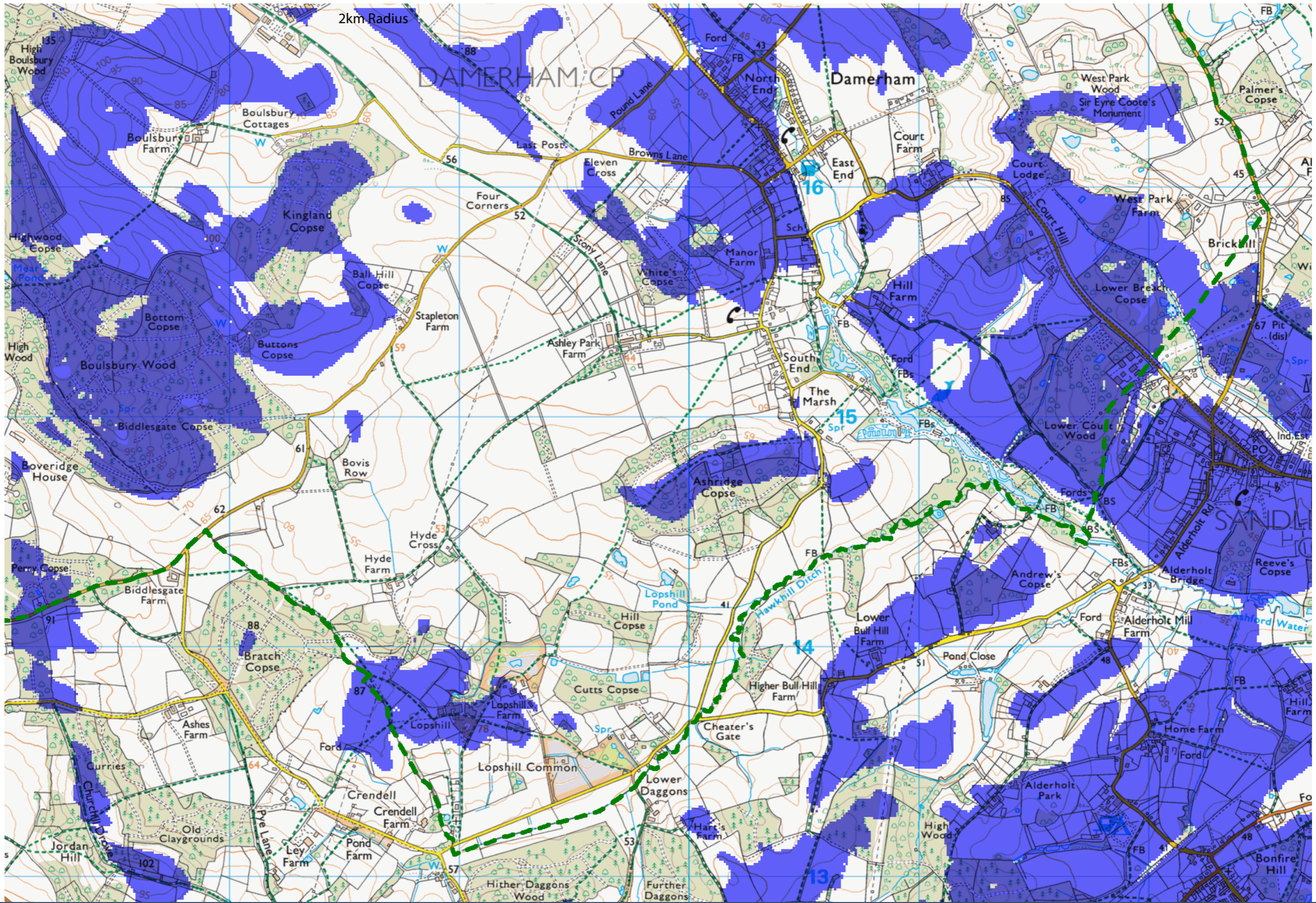


Zone of Visual Influence - Bare Earth Calculation

SCALE: As Shown DRAWING NO: UIS01004 - 2 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Housing development)
 Landscape and Visual Impact Assessment





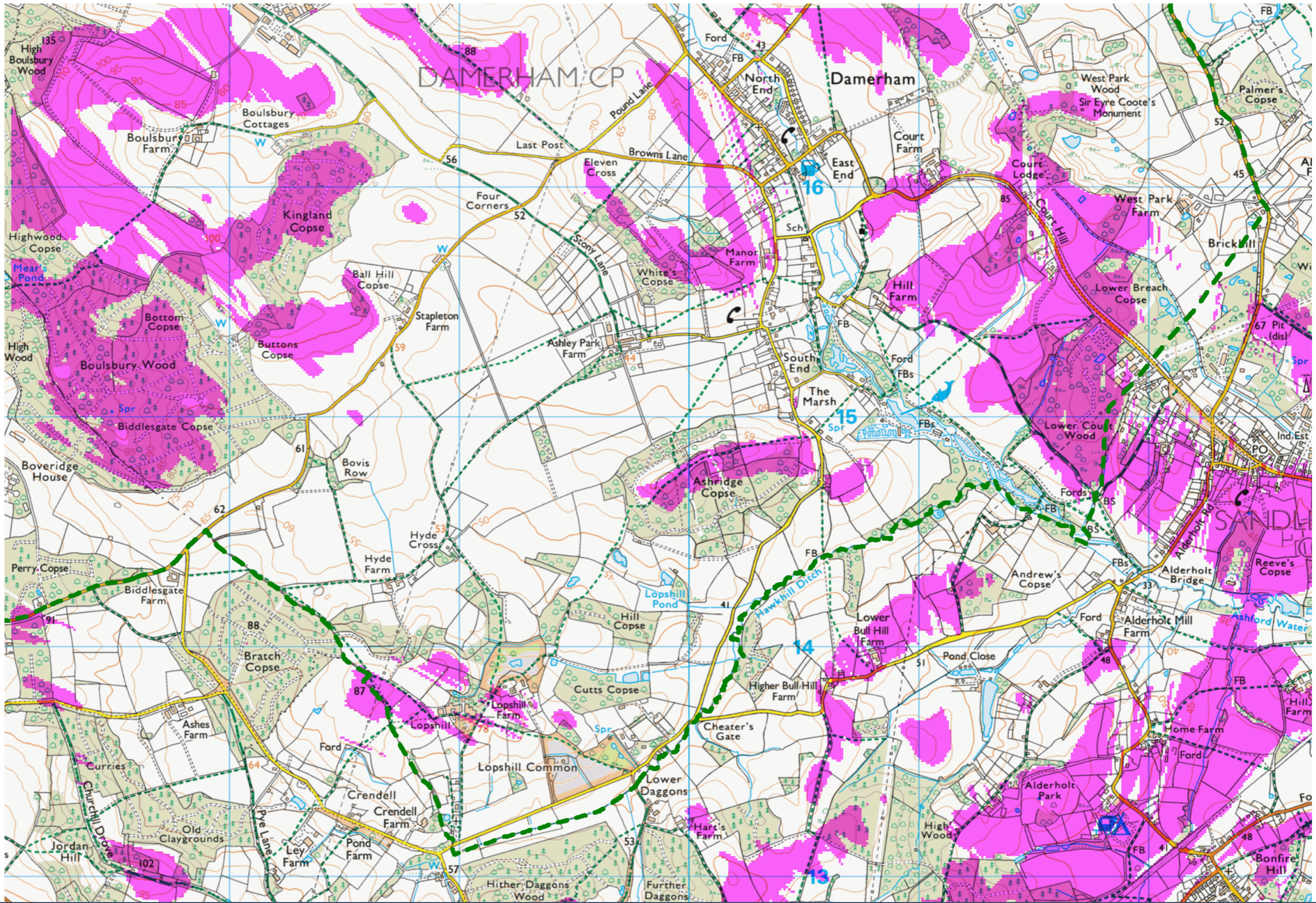
Zone of Visual Influence - Bare Earth Calculation

SCALE: As Shown DRAWING NO: UIS01004 - 3 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Housing development)
 Landscape and Visual Impact Assessment



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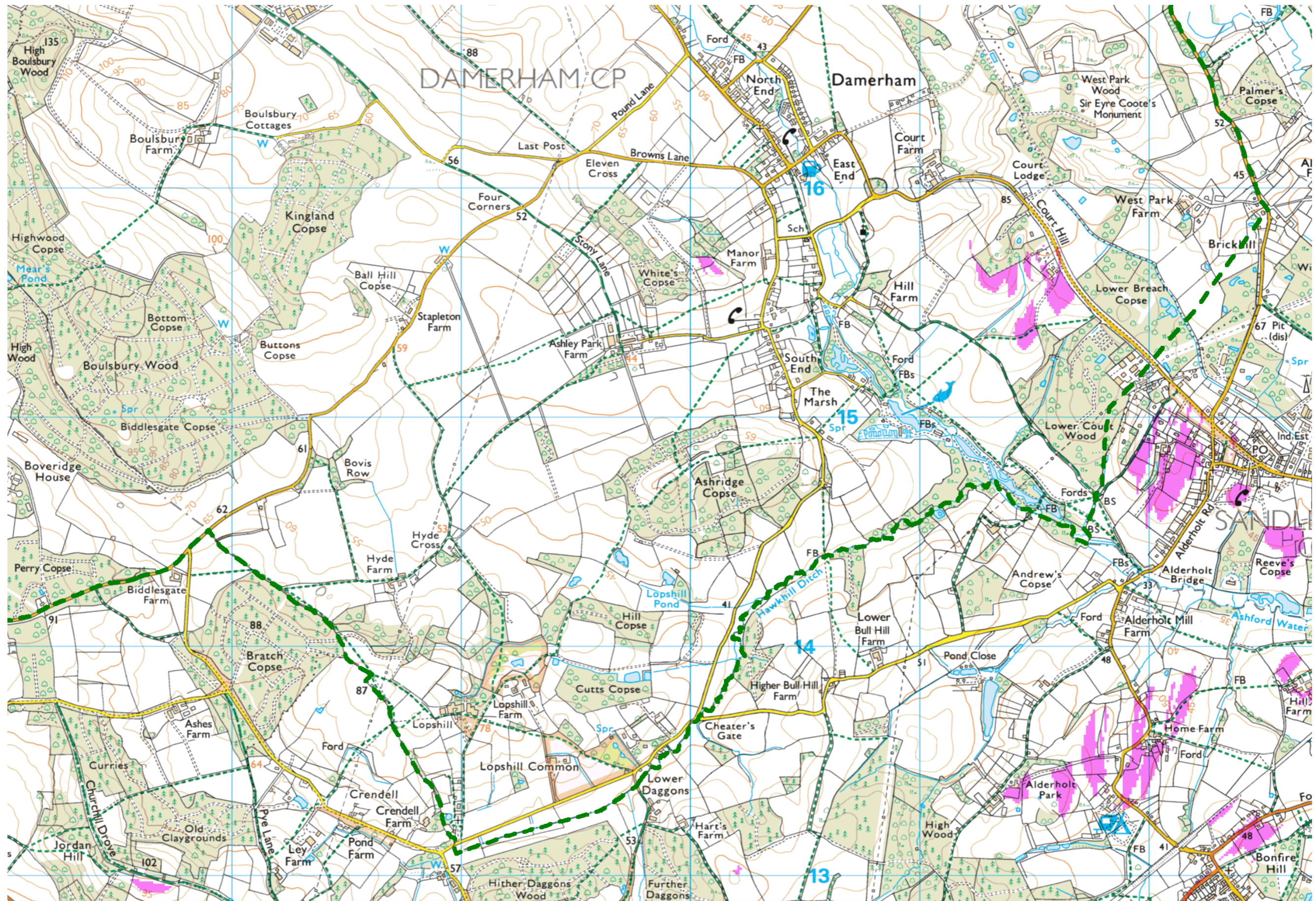
Zone of Visual Influence - Visual Buffers Calculation (Winter)

SCALE: As Shown DRAWING NO: UIS01004 - 4 CHECKED BY: MS
REV: / DRAWN BY: GS DATE: 12.01.2023

Alderholt LVIA (Housing development)
Landscape and Visual Impact Assessment



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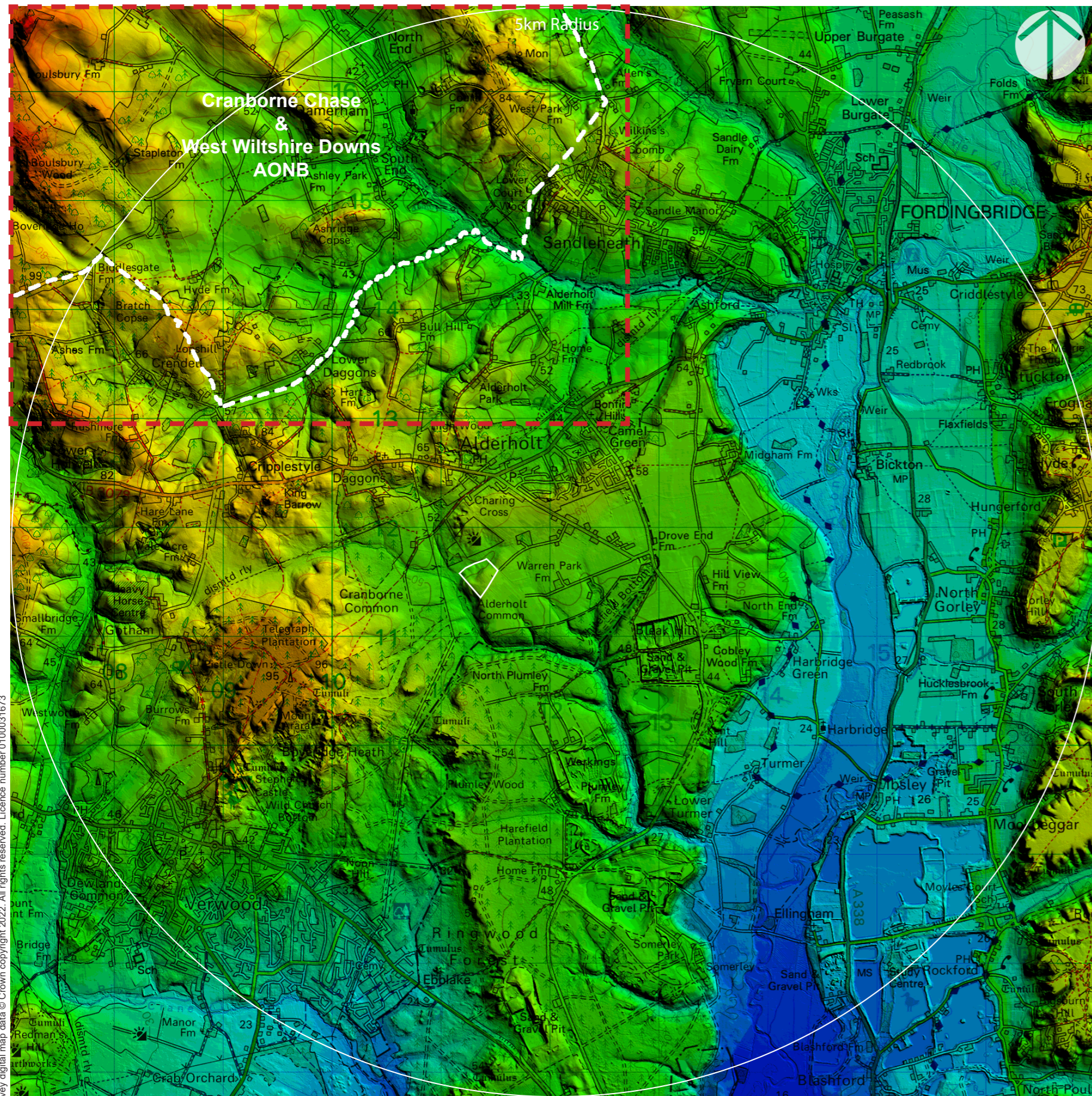
Zone of Visual Influence - Visual Buffers Calculation (Summer)

Alderholt LVIA (Housing development)
Landscape and Visual Impact Assessment



SCALE: As Shown DRAWING NO: UIS01004 - 5 CHECKED BY: MS
REV: / DRAWN BY: GS DATE: 12.01.2023

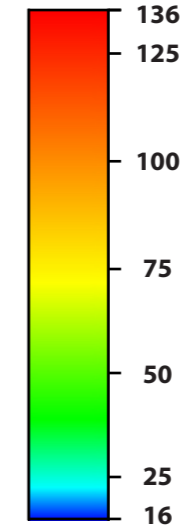
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Key:



Site Location



metres
Above
Ordnance
Datum
m(AOD)

Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.



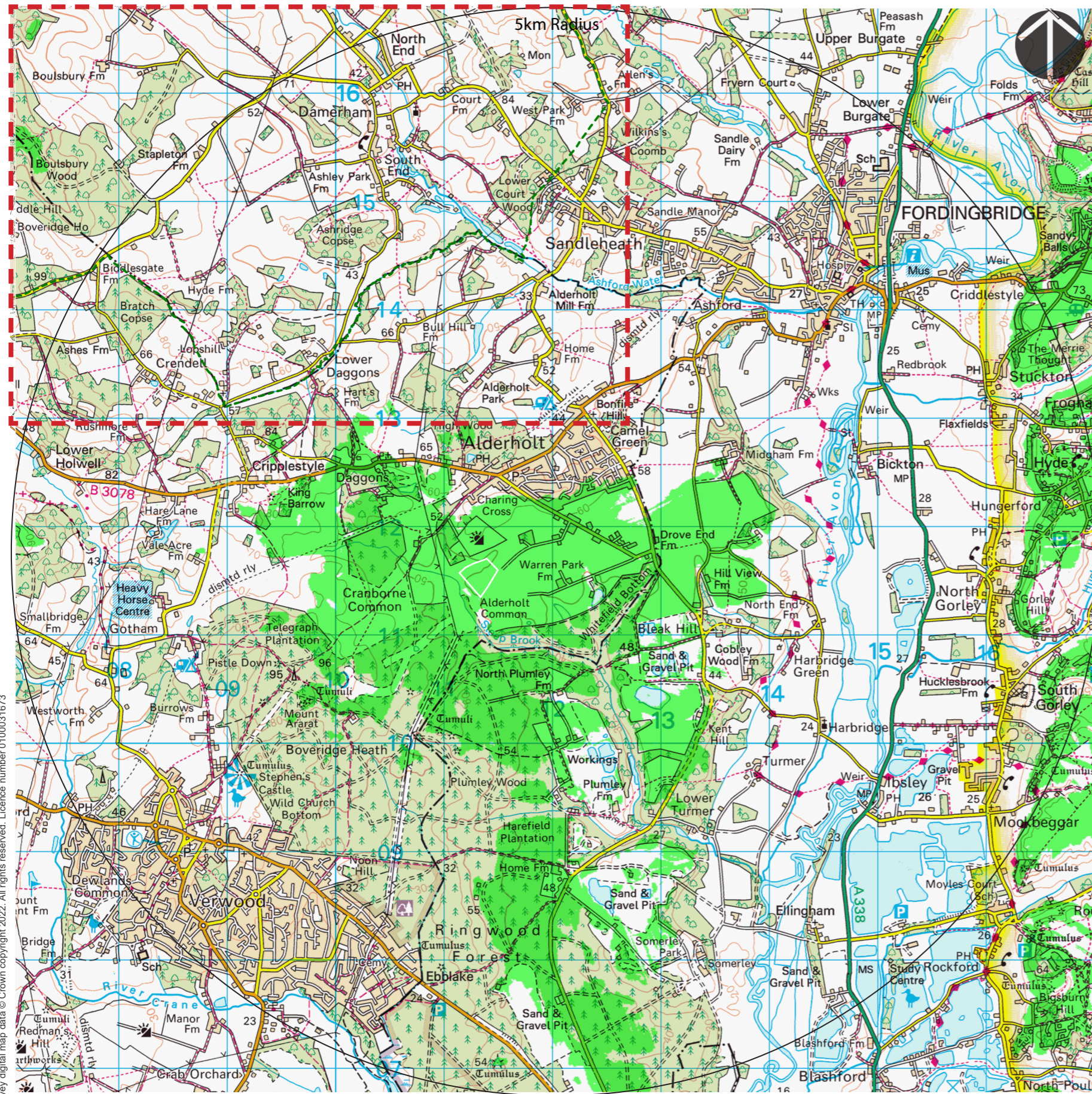
Landform

SCALE: As Shown DRAWING NO: UIS01003 - 1 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022




Alderholt LVIA (Solar Farm only)
 Landscape and Visual Impact Assessment



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Key:

-  Site Location
-  Theoretical visibility
-  Cranborne Chase & West Wiltshire AONB

Layout Information

The terrain data used is a combination of LIDAR 2m DTM & Ordnance Survey Terrain 5m DTM.

Viewer height used in calculation 1.60m.

Solar panel heights calculated using layout information supplied by Urban Initiative Studios.

This ZTV does not include the screening effects of buildings or vegetation in the study area.

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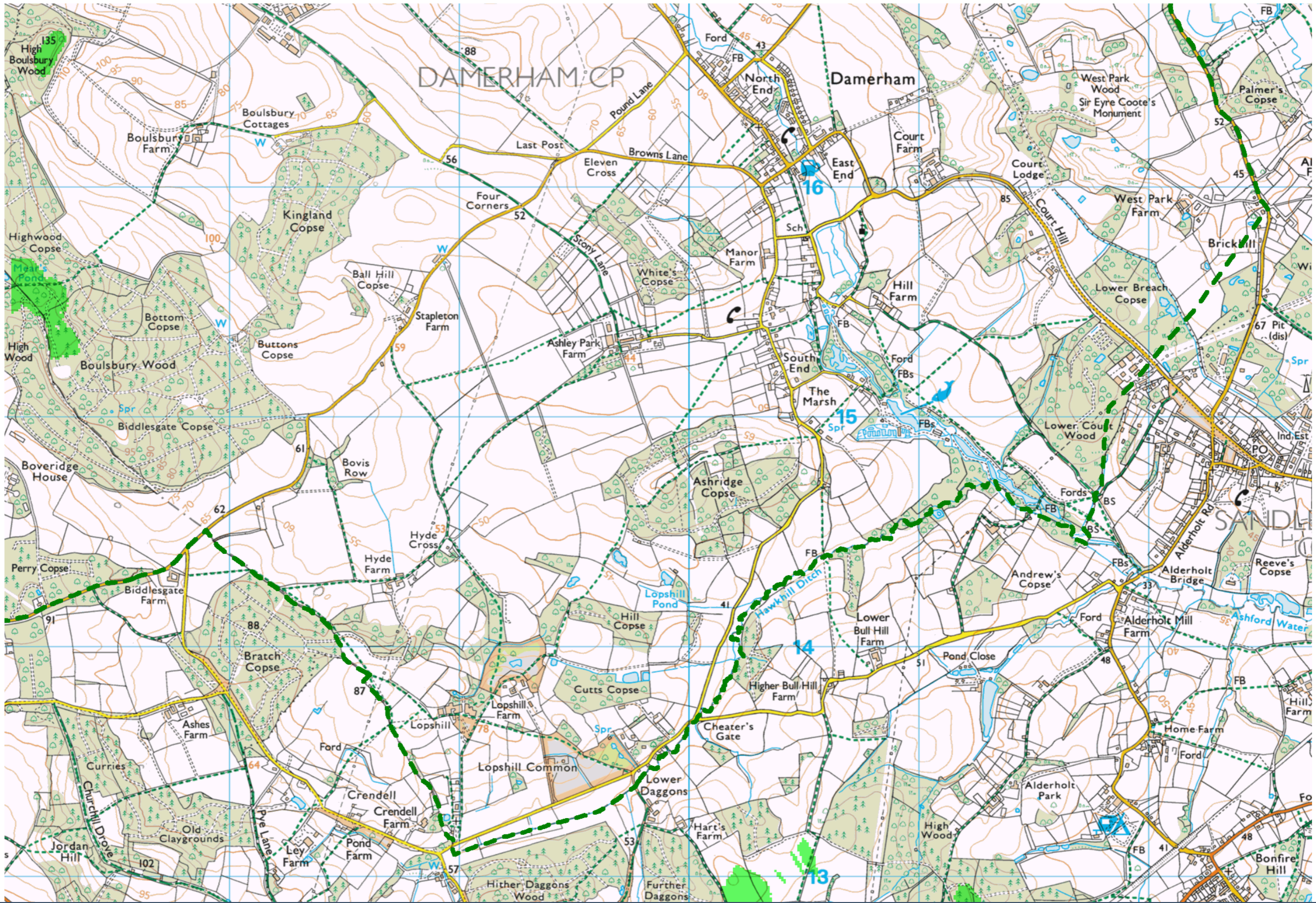


Zone of Visual Influence - Bare Earth Calculation

SCALE: As Shown DRAWING NO: UIS01003 - 2 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022

Alderholt LVIA (Solar Farm only)
 Landscape and Visual Impact Assessment





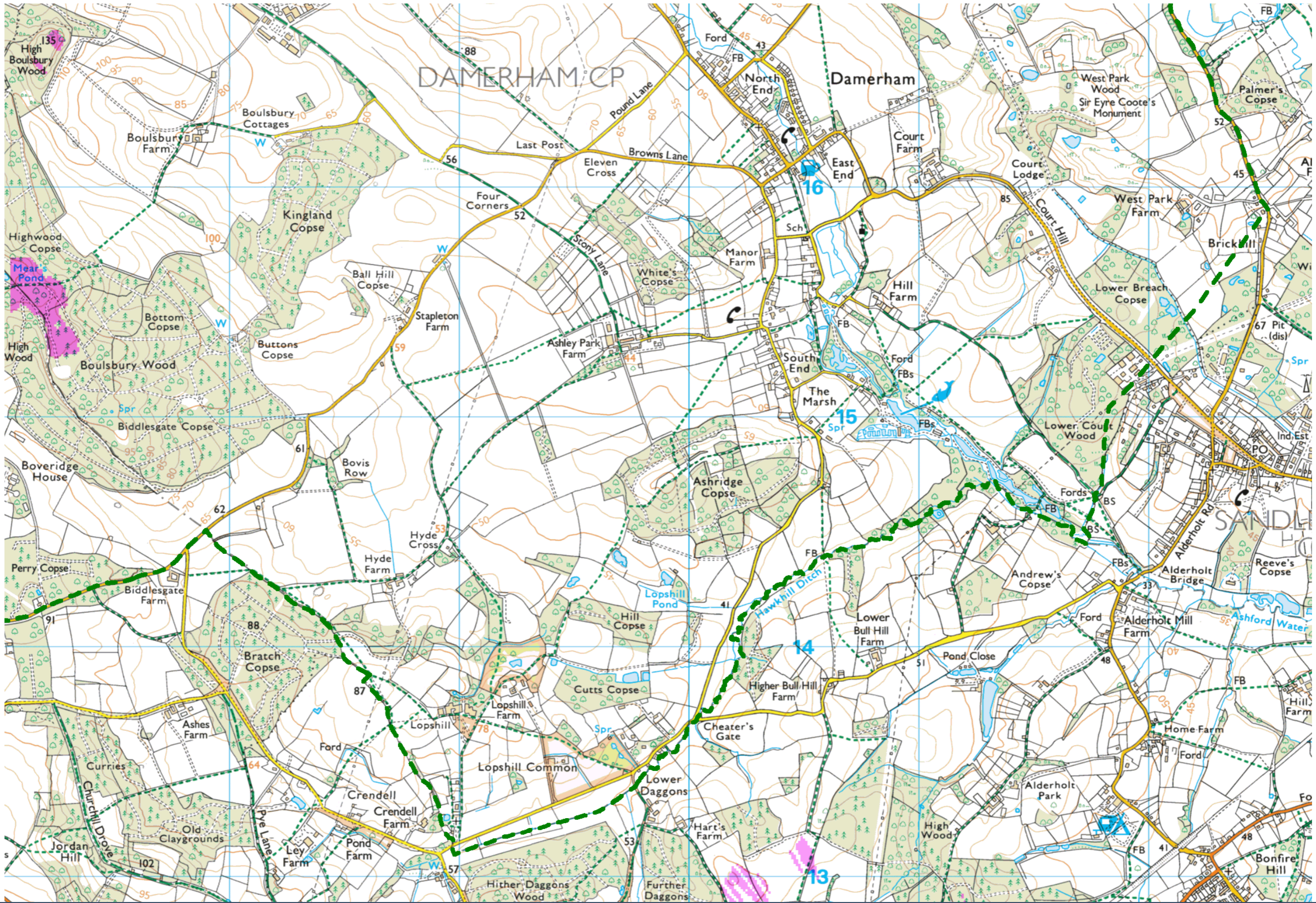
Zone of Visual Influence - Bare Earth Calculation

Alderholt LVIA (Solar Farm only)
Landscape and Visual Impact Assessment



SCALE: As Shown DRAWING NO: UIS01003 - 3 CHECKED BY: MS
REV: / DRAWN BY: GS DATE: 13.11.2022

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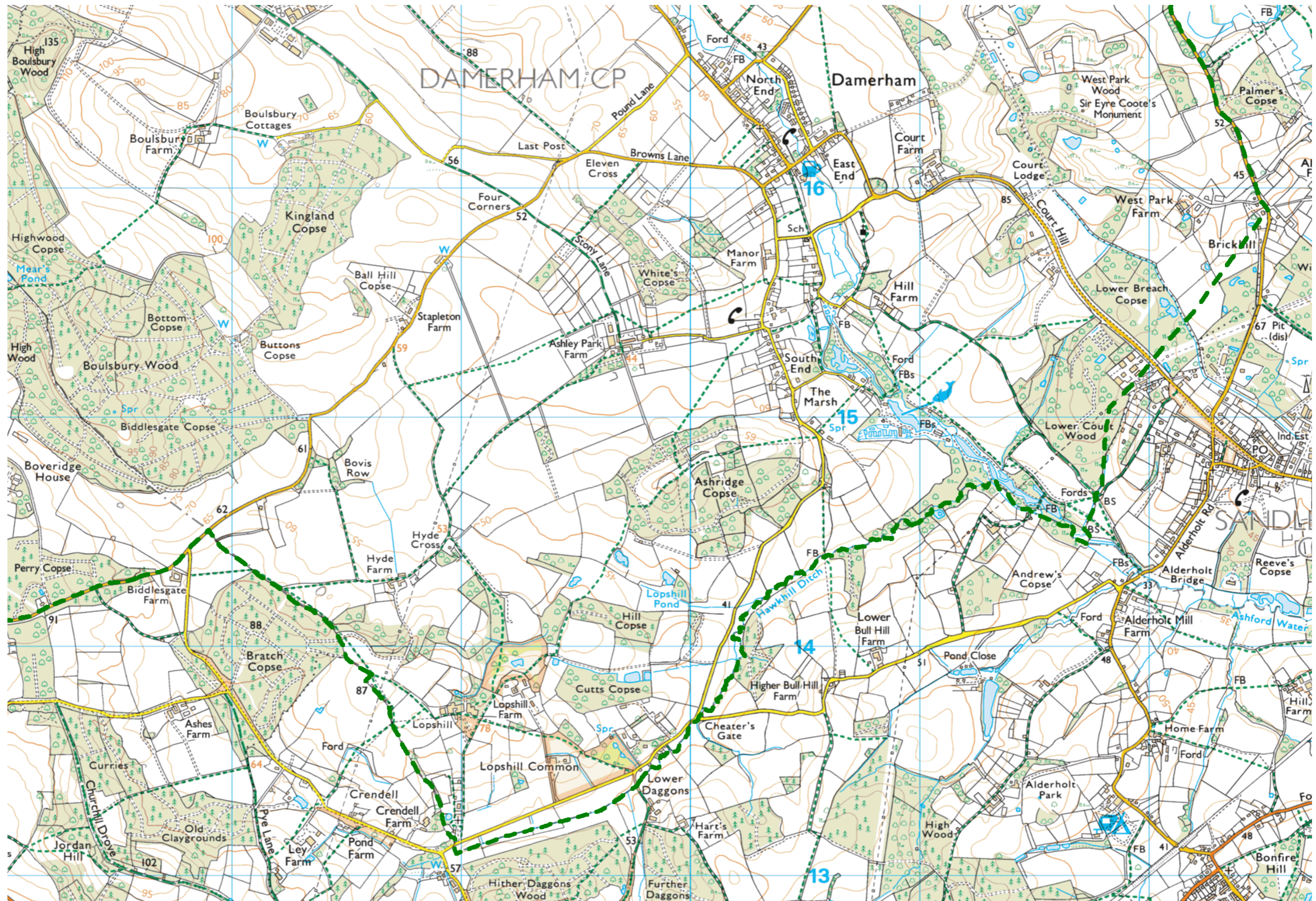
Zone of Visual Influence - Visual Buffers Calculation (Winter)

Alderholt LVIA (Solar Farm only)
Landscape and Visual Impact Assessment



SCALE: As Shown DRAWING NO: UIS01003 - 4 CHECKED BY: MS
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Zone of Visual Influence - Visual Buffers Calculation (Summer)

Alderholt LVIA (Solar Farm only)
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SCALE: As Shown DRAWING NO: UIS01003 - 5 CHECKED BY: MS
 REV: / DRAWN BY: GS DATE: 13.11.2022