

ANNEX C1

Sensitivity of Visual Receptors

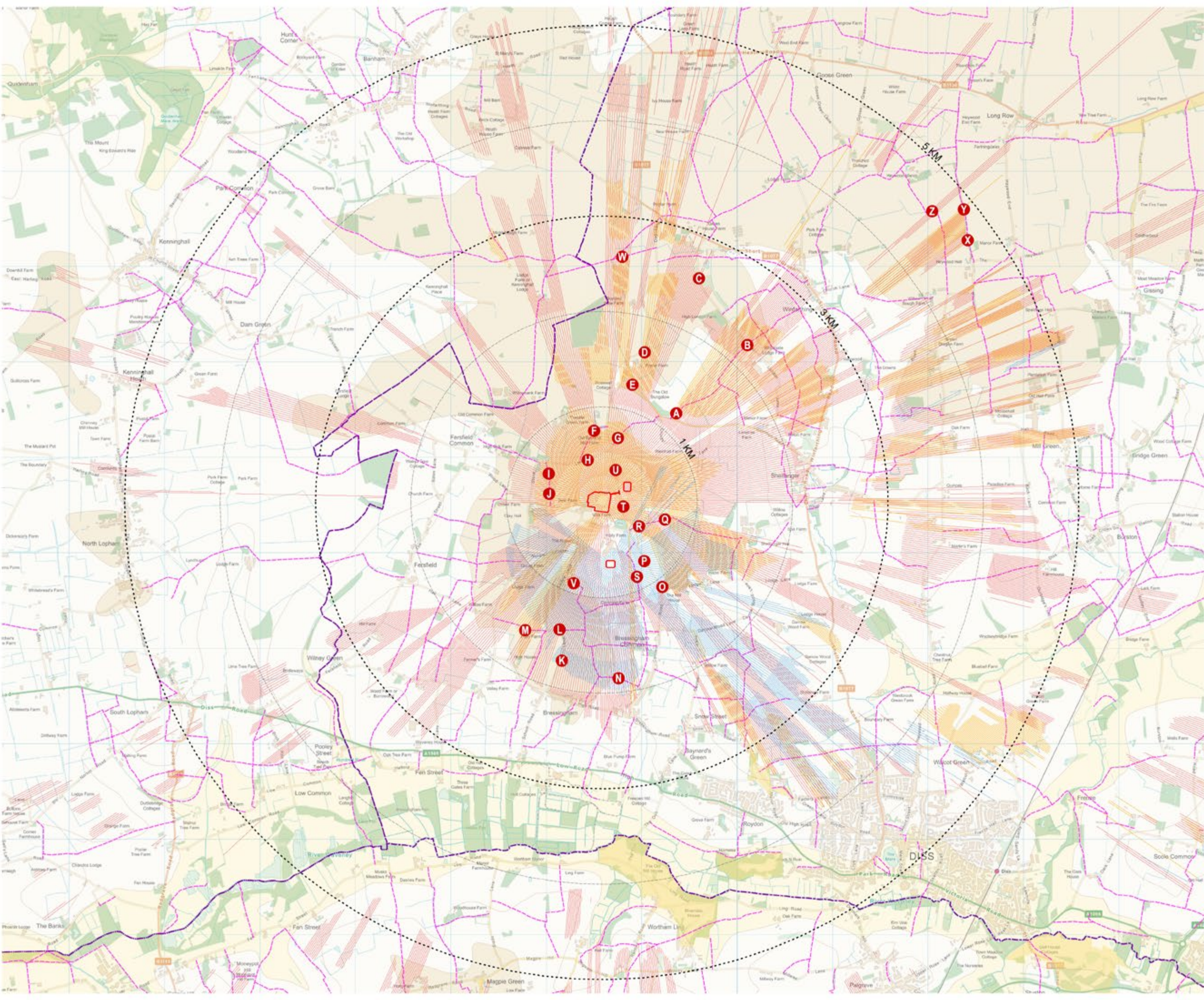
Landscape and Visual Impact Assessment  
Deal Farm, Bressingham

Annex C1 - Sensitivity of visual receptors

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- Planning application boundary
- District boundary
- Open access land
- Public rights of way
- Scoping view points
- Zone of Theoretical Visibility (ZTV) of Secondary Digester building
- Zone of Theoretical Visibility (ZTV) of South Lagoon
- Zone of Theoretical Visibility (ZTV) of North Lagoon

This Zone of Theoretical Visibility (ZTV) has been generated using specialist computer software and is set at 1.6 m height visibility above ground level to compensate for potential inaccuracies in digital terrain data and to 'ensure' that the worst case is represented.

These ZTV spin points height are positioned at the centre of the secondary digester building (red spin points), north lagoon (orange spin points), and south lagoon (blue spin points).

These spin points have been modelled using a target point at the highest point of each structures: secondary digester building 65.64 mAO, north lagoon 53.50 mAO, and south lagoon 48.50 mAO.

This ZTV has informed the extent of visual effect considering the screening effect of existing woodland vegetation (12.00 m height) and urban areas (8.00 m height).

0 0.5 1 1.5 KM

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Figure C1.1

Zone of Theoretical Visibility  
Highest height of Secondary Digester (15.17 m hgt)













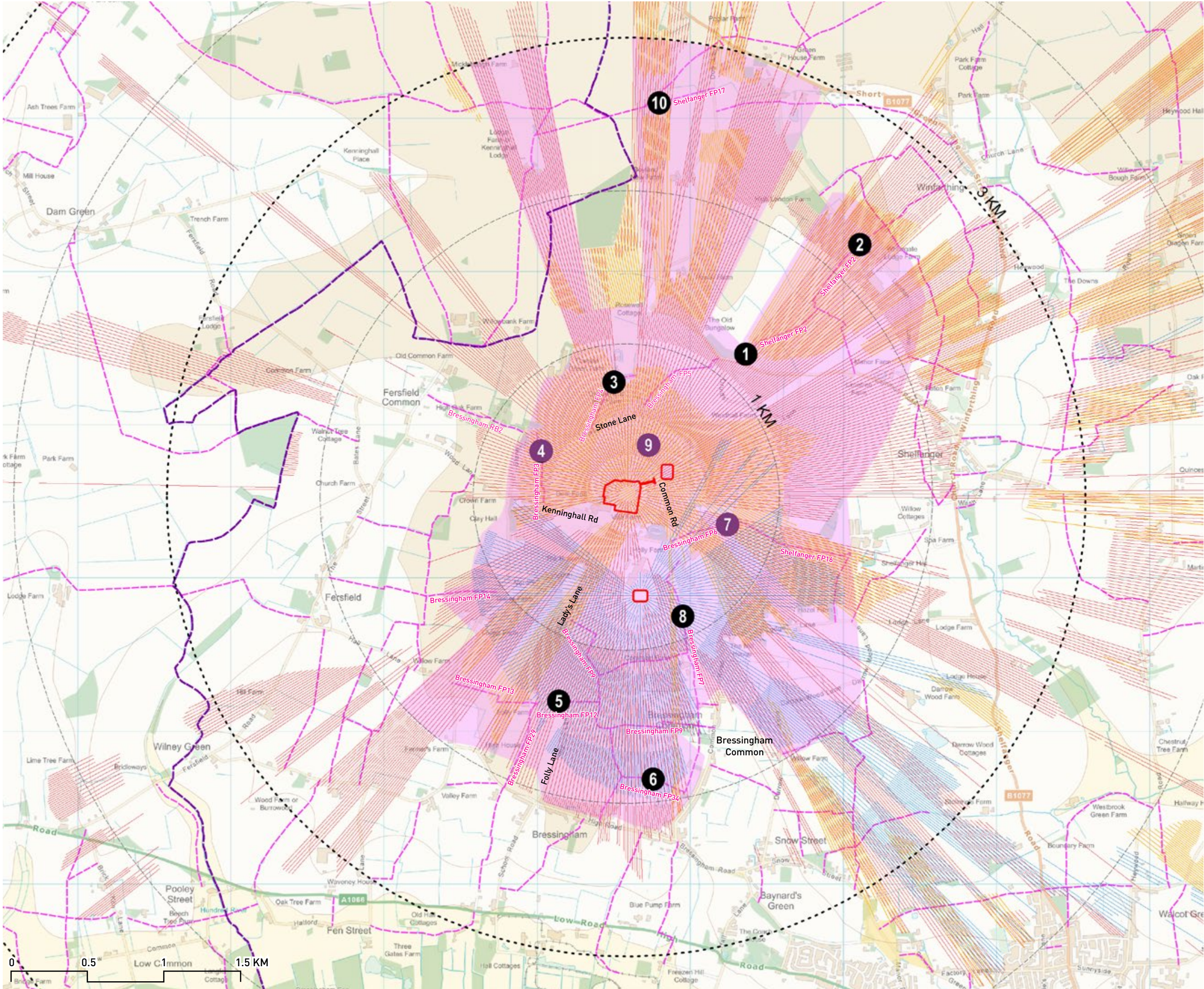












- Planning application boundary
- District boundary
- Open access land
- Public rights of way
- Representative view points
- Representative view points (where Northern Lagoon is visible)
- Zone of Theoretical Visibility (ZTV) of Secondary Digester building
- Zone of Theoretical Visibility (ZTV) of South Lagoon
- Zone of Theoretical Visibility (ZTV) of North Lagoon
- Approximate extent of Zone of Visibility (ZV)

This Zone of Theoretical Visibility (ZTV) has been generated using specialist computer software and is set at 1.6 m height visibility above ground level to compensate for potential inaccuracies in digital terrain data and to 'ensure' that the worst case is represented.

These ZTV spin points height are positioned at the centre of the secondary digester building (red spin points), north lagoon (orange spin points), and south lagoon (blue spin points).

These spin points have been modelled using a target point at the highest point of each structures: secondary digester building 65.64 mAOD, north lagoon 53.50 mAOD, and south lagoon 48.50 mAOD.

This ZTV has informed the extent of visual effect considering the screening effect of existing woodland vegetation (12.00 m height) and urban areas (8.00 m height).

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Figure C1.2  
Zone of Visibility  
Highest height of Secondary Digester (15.17 m hgt)





Preview of baseline panorama

Description of existing view

A partial representative view from the northeast looking southwest towards the Site from the western end of public right of way Shelfanger FP2 where it meets Common Road. The Deal Farm complex to the southwest of the site (and immediately adjacent to it) is completely screened from view by the gradually rising ground in the middle distance. This is one of a sequence of views moving southwest along the PROW and the upper portions of the taller AD plant structures will be visible just beyond the landform horizon.

Visual receptors would mainly be walkers on the public right of way. Their susceptibility is judged to be high as they are likely to be walking for recreational purposes. The value of the view is judged to be low as it is not subject to any planning designations. Overall visual receptor sensitivity is judged to be MODERATE.

Viewpoint 1 - Data

OSGB36 Location : E609358 N284465  
Elevation (based on OS): 47 m AOD  
Distance to Site: 1084 m

Conditions

Weather: Cloudy, Good Visibility

Photograph

Height above ground: 1.55 m  
Camera & Lens: Canon EOS 6D / 50mm f/8 USM  
Horizontal Field of View: 135 degrees (cylindrical projection)  
Taken by : Eoghan Sheils on 06.03.23 at 12:37

Viewpoint 1 - Location



Viewpoint 1 - Figure 1.1





**VIEWPOINT 1**  
Baseline photograph - cylindrical  
Figure 1.2

Distance to site : 1084 m

Camera/Lens : Canon EOS 6D / 50mm f/8 USM

Horizontal field of view : 135 degrees

Camera height : 1.55 m

Projection : Cylindrical

Date : 06.03.23

Time : 12:37

Direction of view : Looking southwest

Paper size : 1261 x 297 (1.5 A1 landscape length x A4 portrait width)

Correct printed image size : 1230 x 250 mm

Enlargement factor : 96% @ A1





Preview of baseline panorama

Description of existing view

A distant representative view from the northeast looking southwest towards the Site from the eastern end of public right of way Shelfanger FP2 where it meets High London Lane. The Deal Farm complex to the southwest of the site (and immediately adjacent to it) is visible on the distant horizon backdropped by vegetation beyond. This is the first of a sequence of views moving southwest along the PROW and taller AD plant structures just to the left of the existing farm buildings will be visible and will break the horizon line. Even though it is a distant view, the new AD plant structure may break the horizon line formed by the more distant vegetation.

Visual receptors would mainly be walkers on the public right of way. Their susceptibility is judged to be high as they are likely to be walking for recreational purposes. The value of the view is judged to be low as it is not subject to any planning designations. Overall visual receptor sensitivity is judged to be MODERATE.

Viewpoint 2 - Data

OSGB36 Location :	E610102	N285180
Elevation (based on OS):	52 m AOD	
Distance to Site:	2113 m	
Conditions		
Weather:	Cloudy, Good Visibility	
Photograph		
Height above ground:	1.55 m	
Camera & Lens:	Canon EOS 6D / 50mm f/8 USM	
Horizontal Field of View:	135 degrees (cylindrical projection)	
Taken by :	Eoghan Sheils on 06.03.23 at 13:02	

Viewpoint 2 - Location



Viewpoint 2 - Figure 2.1





**VIEWPOINT 2**  
Baseline photograph - cylindrical  
Figure 2.2

Distance to site	: 1084 m	Camera height	: 1.55 m	Time	: 13:02	Correct printed image size : 1230 x 250 mm Enlargement factor : 96% @ A1
Camera/Lens	: Canon EOS 6D / 50mm f/8 USM	Projection	: Cylindrical	Direction of view	: Looking southwest	
Horizontal field of view	: 135 degrees	Date	: 06.03.23	Paper size	: 1261 x 297 (1.5 A1 landscape length x A4 portrait width)	





Preview of baseline panorama

**Description of existing view**

A partial representative view from the north looking south towards the Site from the northern end of public right of way Bressingham FP4 where it turns south towards Common Road. The taller structures of the Deal Farm complex to the southwest of the site (and immediately adjacent to it) are just visible but the cluster of the building is otherwise screened by the gradually rising ground in the middle distance. This is one of a sequence of views moving south along the PROW and the upper portions of the taller AD plant structures will be visible just beyond the landform horizon.

Visual receptors would mainly be walkers on the public right of way. Their susceptibility is judged to be high as they are likely to be walking for recreational purposes. The value of the view is judged to be low as it is not subject to any planning designations. Overall visual receptor sensitivity is judged to be MODERATE.

**Viewpoint 3 - Data**

OSGB36 Location :	E608467	N284267
Elevation (based on OS):	54 m AOD	
Distance to Site:	625 m	

**Conditions**

Weather: Cloudy, Good Visibility

**Photograph**

Height above ground:	1.55 m
Camera & Lens:	Canon EOS 6D / 50mm f/8 USM
Horizontal Field of View:	135 degrees (cylindrical projection)
Taken by :	Eoghan Sheils on 06.03.23 at 13:51

Viewpoint 3 - Location



Viewpoint 3 - Figure 3.1

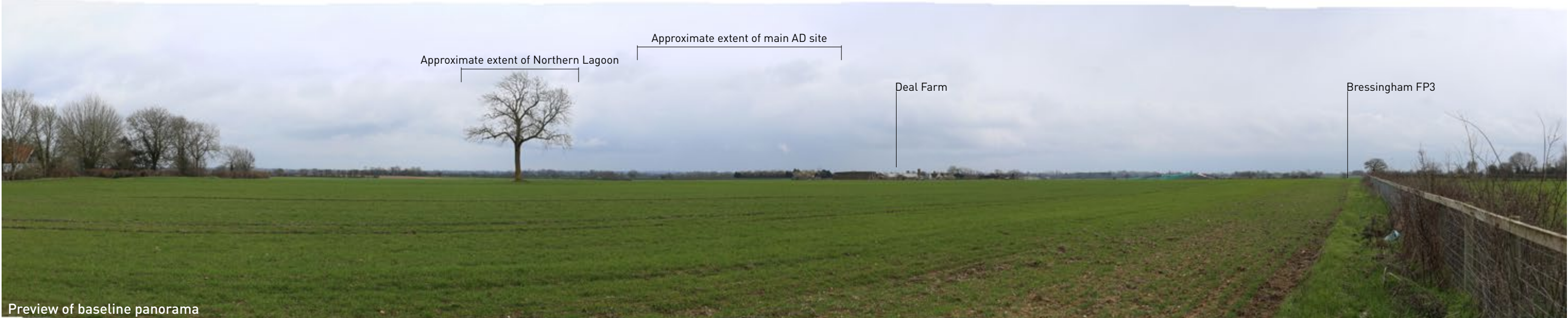




**VIEWPOINT 3**  
Baseline photograph - cylindrical  
Figure 3.2

Distance to site	: 625 m	Camera height	: 1.55 m	Time	: 13:51	Correct printed image size : 1230 x 250 mm Enlargement factor : 96% @ A1
Camera/Lens	: Canon EOS 6D / 50mm f/8 USM	Projection	: Cylindrical	Direction of view	: Looking south	
Horizontal field of view	: 135 degrees	Date	: 06.03.23	Paper size	: 1261 x 297 (1.5 A1 landscape length x A4 portrait width)	





Description of existing view

A full representative view from the northwest looking southeast towards the Site from the northern end of public right of way Bressingham FP3 just south of where it meets Stone Lane. The Deal Farm complex immediately adjacent to the southwestern boundary of the site is clearly visible. This is one of a sequence of views moving south along the PROW and the proposed AD plant structures will be visible to the left of the farm buildings and will break the skyline formed by the background vegetation.

Visual receptors would mainly be walkers on the public right of way. Their susceptibility is judged to be high as they are likely to be walking for recreational purposes. The value of the view is judged to be low as it is not subject to any planning designations. Overall visual receptor sensitivity is judged to be MODERATE.

Viewpoint 4 - Data

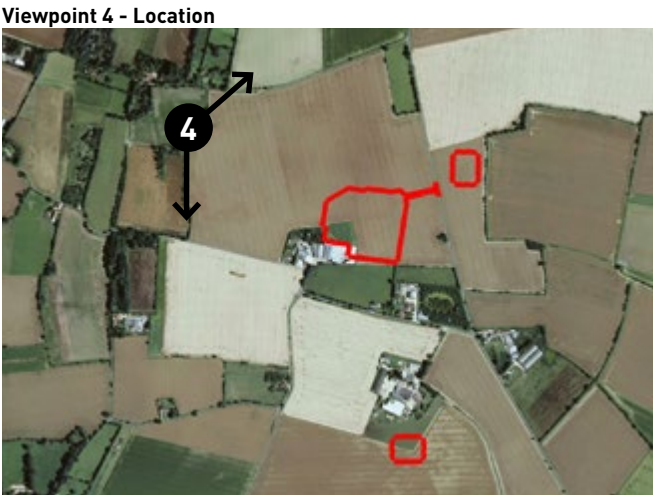
OSGB36 Location :	E608021	N283833
Elevation (based on OS):	59 m AOD	
Distance to Site:	475 m	

Conditions

Weather:	Cloudy, Good Visibility
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Photograph

Height above ground:	1.55 m
Camera & Lens:	Canon EOS 6D / 50mm f/8 USM
Horizontal Field of View:	135 degrees (cylindrical projection)
Taken by :	Eoghan Sheils on 06.03.23 at 14:25



Viewpoint 4 - Figure 4.1





**VIEWPOINT 4**  
Baseline photograph - cylindrical  
Figure 4.2

Distance to site	: 475 m	Camera height	: 1.55 m	Time	: 14:25	Correct printed image size :1230 x 250 mm Enlargement factor : 96% @ A1
Camera/Lens	: Canon EOS 6D / 50mm f/7.1 USM	Projection	: Cylindrical	Direction of view	: Looking southeast	
Horizontal field of view	: 135 degrees	Date	: 06.03.23	Paper size	: 1261 x 297 (1.5 A1 landscape length x A4 portrait width)	





Description of existing view

A distance representative view from the south looking north towards the Site from the western end of public right of way Bressingham FP12 where it meets Folly Lane. The existing farm complexes immediately adjacent to the southwestern boundary of the site (Deal Farm) and the southeast of the site (The Oaks) are clearly visible. This is one of a sequence of views looking north moving east/west along the PROW. The proposed AD plant structures will be visible in the centre of the view between the two farm clusters. Whilst this is a distant view the new AD Plant structures will be visible and will break the background horizon line. The proposed Southern Lagoon may also be visible in the view adjacent to The Oaks farm cluster low to the ground.

Visual receptors would mainly be walkers on the public right of way. Their susceptibility is judged to be high as they are likely to be walking for recreational purposes. The value of the view is judged to be low as it is not subject to any planning designations. Overall visual receptor sensitivity is judged to be MODERATE.

Viewpoint 5 - Data

OSGB36 Location :	E608136	N282200
Elevation (based on OS):	56 m AOD	
Distance to Site:	1298 m	

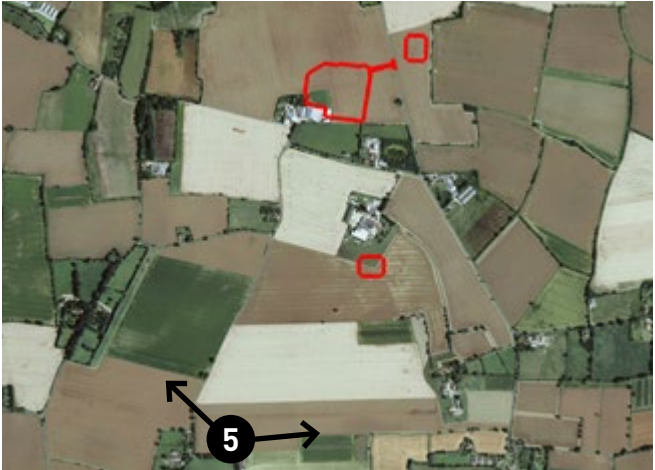
Conditions

Weather:	Cloudy, Good Visibility
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Photograph

Height above ground:	1.55 m
Camera & Lens:	Canon EOS 6D / 50mm f/8 USM
Horizontal Field of View:	135 degrees (cylindrical projection)
Taken by :	Eoghan Sheils on 06.03.23 at 15:29

Viewpoint 5 - Location



Viewpoint 5 - Figure 5.1





**VIEWPOINT 5**  
Baseline photograph - cylindrical  
Figure 5.2

Distance to site : 1298 m  
Camera/Lens : Canon EOS 6D / 50mm f/7.1 USM  
Horizontal field of view : 135 degrees

Camera height : 1.55 m  
Projection : Cylindrical  
Date : 06.03.23

Time : 15:29  
Direction of view : Looking northeast  
Paper size : 1261 x 297 (1.5 A1 landscape length x A4 portrait width)

Correct printed image size :1230 x 250 mm  
Enlargement factor : 96% @ A1





Description of existing view

A distance filtered representative view from the southeast looking north towards the Site from the public right of way Bressingham FP7 just to the north of Chestnut Tree Farm on the edge of Bressingham village. The existing farm complex to the south of the site (The Oaks) is visible between the groups of trees and vegetation. This is one of a sequence of views looking north moving east/west along the PROW. Whilst this is a distant view, the new AD Plant structures will be visible beyond “The Oaks” farm cluster and will break the background horizon line. The proposed Southern Lagoon may also be visible in the view low to the ground next to The Oaks.

Visual receptors would mainly be walkers on the public right of way. Their susceptibility is judged to be high as they are likely to be walking for recreational purposes. The value of the view is judged to be low as it is not subject to any planning designations. Overall visual receptor sensitivity is judged to be MODERATE.

Viewpoint 6 - Data

OSGB36 Location :	E608753	N281689
Elevation (based on OS):	49 m AOD	
Distance to Site:	1740 m	

Conditions

Weather:	Cloudy, Good Visibility
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Photograph

Height above ground:	1.55 m
Camera & Lens:	Canon EOS 6D / 50mm f/8 USM
Horizontal Field of View:	135 degrees (cylindrical projection)
Taken by :	Eoghan Sheils on 06.03.23 at 16:02

Viewpoint 6 - Location



Viewpoint 6 - Figure 6.1





**VIEWPOINT 6**  
Baseline photograph - cylindrical  
Figure 6.2

Distance to site  
Camera/Lens  
Horizontal field of view

: 1740 m  
: Canon EOS 6D / 50mm f/7.1 USM  
: 135 degrees

Camera height  
Projection  
Date

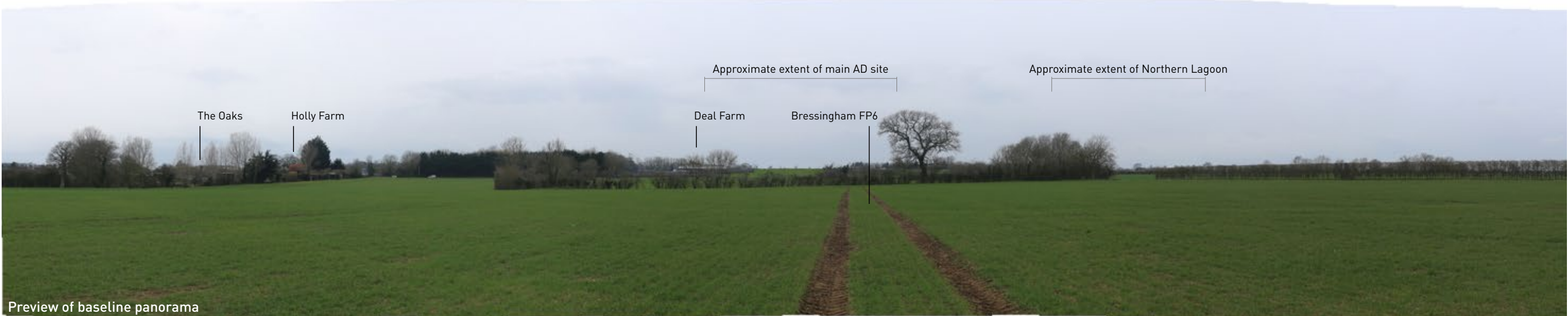
: 1.55 m  
: Cylindrical  
: 06.03.23

Time  
Direction of view  
Paper size

: 16:02  
: Looking north  
: 1261 x 297 (1.5 A1 landscape length x A4 portrait width)

Correct printed image size : 1230 x 250 mm  
Enlargement factor : 96% @ A1





Preview of baseline panorama

Description of existing view

A full representative view from the east looking west towards the Site mid-way along the public right of way Bressingham FP6. The Deal Farm complex immediately adjacent to the southwestern boundary of the site is just visible through the hedgerow vegetation. This is one of a sequence of views moving west along the PROW and the proposed AD plant structures will be visible to the right of the farm buildings and will break the skyline. The northern lagoon will also be visible to the right of the view, particularly during construction and early years.

Visual receptors would mainly be walkers on the public right of way. Their susceptibility is judged to be high as they are likely to be walking for recreational purposes. The value of the view is judged to be low as it is not subject to any planning designations. Overall visual receptor sensitivity is judged to be MODERATE.

Viewpoint 7 - Data

OSGB36 Location : E609239 N283353  
Elevation (based on OS): 49 m AOD  
Distance to Site: 600 m

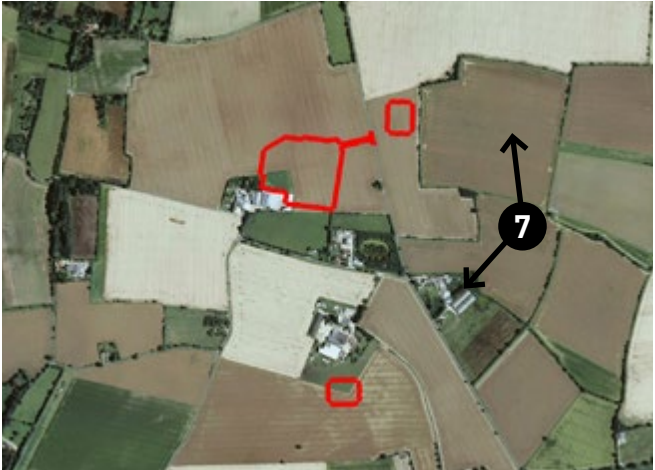
Conditions

Weather: Cloudy, Good Visibility

Photograph

Height above ground: 1.55 m  
Camera & Lens: Canon EOS 6D / 50mm f/8 USM  
Horizontal Field of View: 135 degrees (cylindrical projection)  
Taken by : Eoghan Sheils on 06.03.23 at 16:45

Viewpoint 7 - Location



Viewpoint 7 - Figure 7.1





**VIEWPOINT 7**  
Baseline photograph - cylindrical  
Figure 7.2

Distance to site	: 600 m	Camera height	: 1.55 m	Time	: 16:45	Correct printed image size :1230 x 250 mm Enlargement factor : 96% @ A1
Camera/Lens	: Canon EOS 6D / 50mm f/7.1 USM	Projection	: Cylindrical	Direction of view	: Looking west	
Horizontal field of view	: 135 degrees	Date	: 06.03.23	Paper size	: 1261 x 297 (1.5 A1 landscape length x A4 portrait width)	





Description of existing view

A full representative view from the southeast looking northwest towards the Site of the Southern Lagoon at the northern end of the public right of way Bressingham FP7. The Oaks Farm complex is clearly visible in the centre of the view and will likely screen the main AD plant in this view, but the Southern Lagoon will be clearly visible immediately in front of The Oaks Farm complex. This is one of a sequence of views moving north along the PROW.

Visual receptors would mainly be walkers on the public right of way. Their susceptibility is judged to be high as they are likely to be walking for recreational purposes. The value of the view is judged to be low as it is not subject to any planning designations. Overall visual receptor sensitivity is judged to be MODERATE.

Viewpoint 8 - Data

OSGB36 Location :	E608649	N282754
Elevation (based on OS):	43 m AOD	
Distance to Site:	737 m	

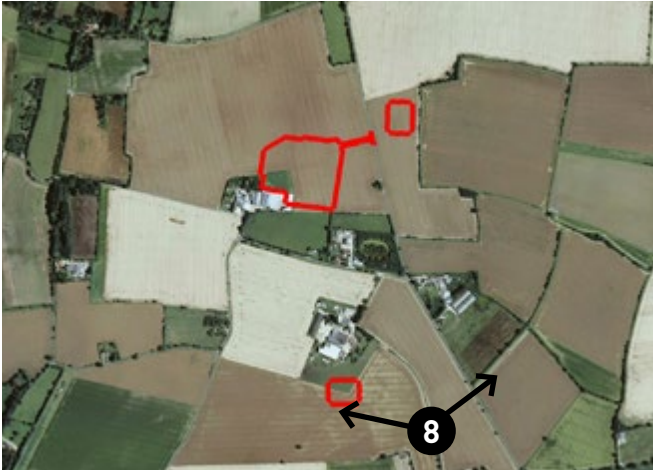
Conditions

Weather: Cloudy, Good Visibility

Photograph

Height above ground:	1.55 m
Camera & Lens:	Canon EOS 6D / 50mm f/8 USM
Horizontal Field of View:	135 degrees (cylindrical projection)
Taken by :	Eoghan Sheils on 06.03.23 at 17:03

Viewpoint 8 - Location







**VIEWPOINT 8**  
Baseline photograph - cylindrical  
Figure 8.2

Distance to site	: 737 m	Camera height	: 1.55 m	Time	: 17:03	Correct printed image size :1230 x 250 mm Enlargement factor : 96% @ A1
Camera/Lens	: Canon EOS 6D / 50mm f/7.1 USM	Projection	: Cylindrical	Direction of view	: Looking north west	
Horizontal field of view	: 135 degrees	Date	: 06.03.23	Paper size	: 1261 x 297 (1.5 A1 landscape length x A4 portrait width)	





**Description of existing view**

A full representative view looking south along Common Road. The Deal Farm complex is visible to the right of the view and the new AD plant will be clearly visible in front and to the right of this cluster. The access route linking to Common Road will also likely be visible for this slightly elevated location. The Northern Lagoon will also be clearly visible to the left of the view - just east of Common Road.

Visual receptors would be motorists and cyclists on Common Road. Their susceptibility is judged to be moderate as they are travelling on a local, rural lane and may potentially have some appreciation of the surrounding scenery (for instance, compared to motorists on a commuter route). The value of the view is judged to be low as it is not subject to any planning designations. Overall visual receptor sensitivity is judged to be MODERATE-LOW.

**Viewpoint 9 - Data**

OSGB36 Location :	E608723	N283872
Elevation (based on OS):	53 m AOD	
Distance to Site:	245 m	

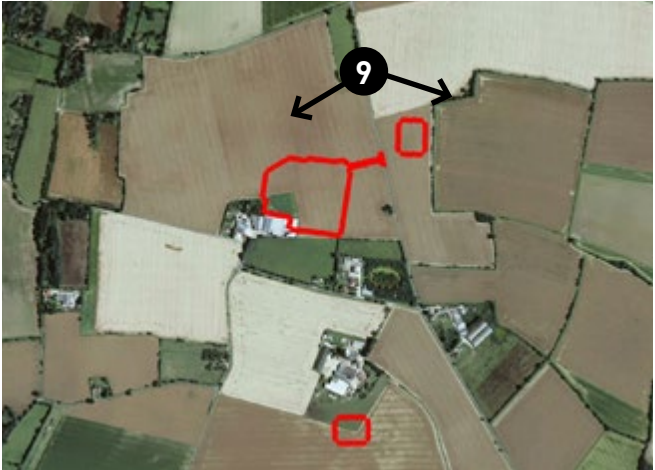
**Conditions**

Weather: Cloudy, Good Visibility

**Photograph**

Height above ground:	1.55 m
Camera & Lens:	Canon EOS 6D / 50mm f/8 USM
Horizontal Field of View:	135 degrees (cylindrical projection)
Taken by :	Eoghan Sheils on 06.03.23 at 17:31

Viewpoint 9 - Location



Viewpoint 9 - Figure 9.1





**VIEWPOINT 9**  
Baseline photograph - cylindrical  
Figure 9.2

Distance to site	: 245 m	Camera height	: 1.55 m	Time	: 17:31	Correct printed image size : 1230 x 250 mm Enlargement factor : 96% @ A1
Camera/Lens	: Canon EOS 6D / 50mm f/8 USM	Projection	: Cylindrical	Direction of view	: Looking south	
Horizontal field of view	: 135 degrees	Date	: 06.03.23	Paper size	: 1261 x 297 (1.5 A1 landscape length x A4 portrait width)	





Description of existing view

A long-distance glimpsed representative view from the north looking south towards the Site midway along footpath Shelfanger FP11. The higher structures of the main AD plant will be located in the centre of the view and visible glimpsed views through gaps in the hedgerows and trees. This glimpsed view will be typical if others through gaps in the vegetation looking south from the PROW.

Visual receptors would mainly be walkers on the public right of way. Their susceptibility is judged to be high as they are likely to be walking for recreational purposes. The value of the view is judged to be low as it is not subject to any planning designations. Overall visual receptor sensitivity is judged to be MODERATE.

Viewpoint 10 - Data

OSGB36 Location :	E608792	N286106
Elevation (based on OS):	54 m AOD	
Distance to Site:	2474 m	

Conditions

Weather:	Cloudy, Good Visibility
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Photograph

Height above ground:	1.55 m
Camera & Lens:	Canon EOS 6D / 50mm f/8 USM
Horizontal Field of View:	135 degrees (cylindrical projection)
Taken by :	Eoghan Sheils on 08.03.23 at 12:56

Viewpoint 10 - Location



Viewpoint 10 - Figure 10.1





**VIEWPOINT 10**  
Baseline photograph - cylindrical  
Figure 10.2

Distance to site	: 2474 m	Camera height	: 1.55 m	Time	: 12:56	Correct printed image size :1230 x 250 mm Enlargement factor : 96% @ A1
Camera/Lens	: Canon EOS 6D / 50mm f/7.1 USM	Projection	: Cylindrical	Direction of view	: Looking south	
Horizontal field of view	: 135 degrees	Date	: 08.03.23	Paper size	: 1261 x 297 [1.5 A1 landscape length x A4 portrait width]	