

# Appendix D1

## LVIA Supporting Figures and Tables

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**APPENDIX D1 –  
LVIA SUPPORTING  
FIGURES AND TABLES**

**East Claydon Greener Grid Park**



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

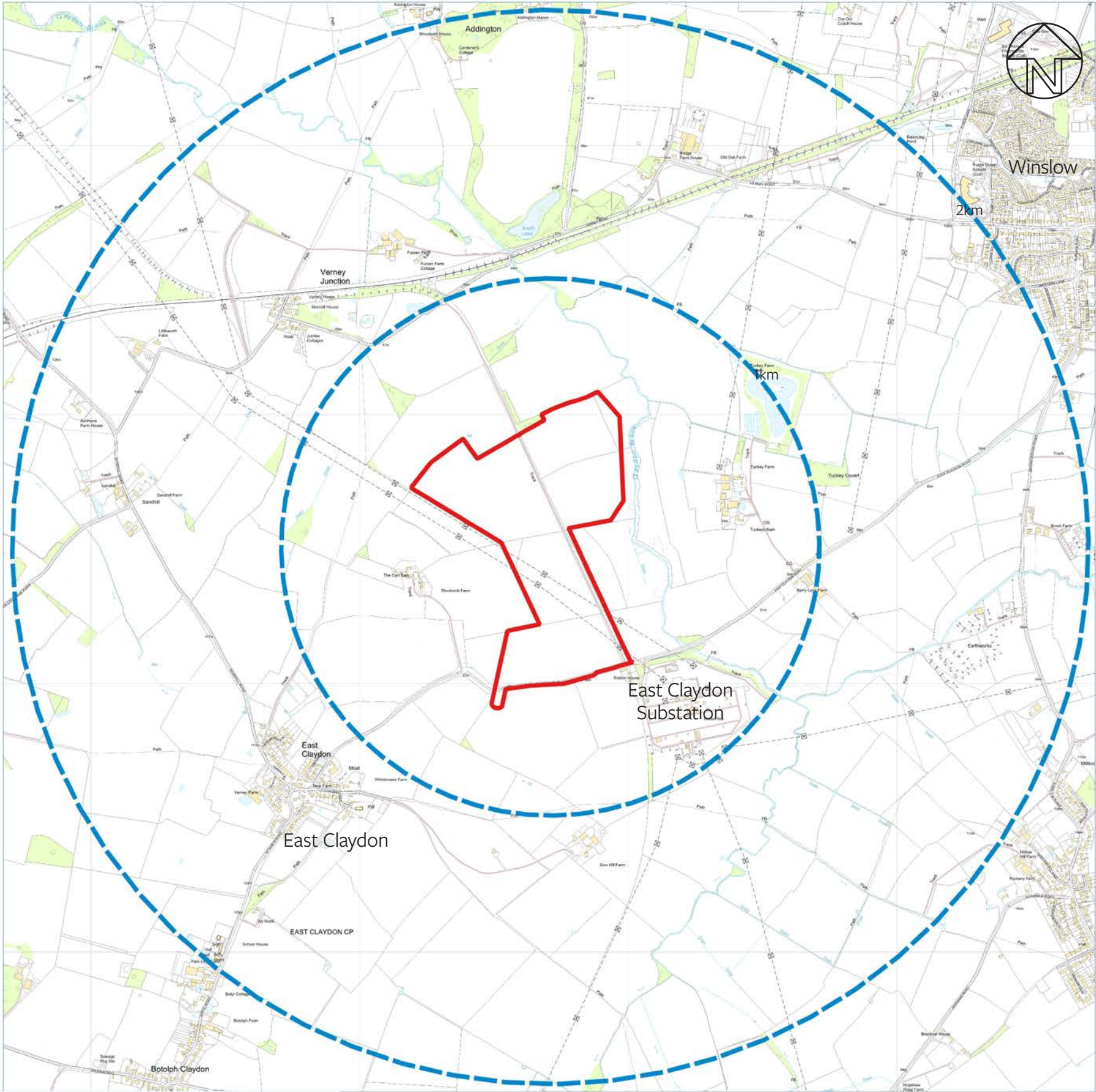


Figure D1 - Site Location and Study Area



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

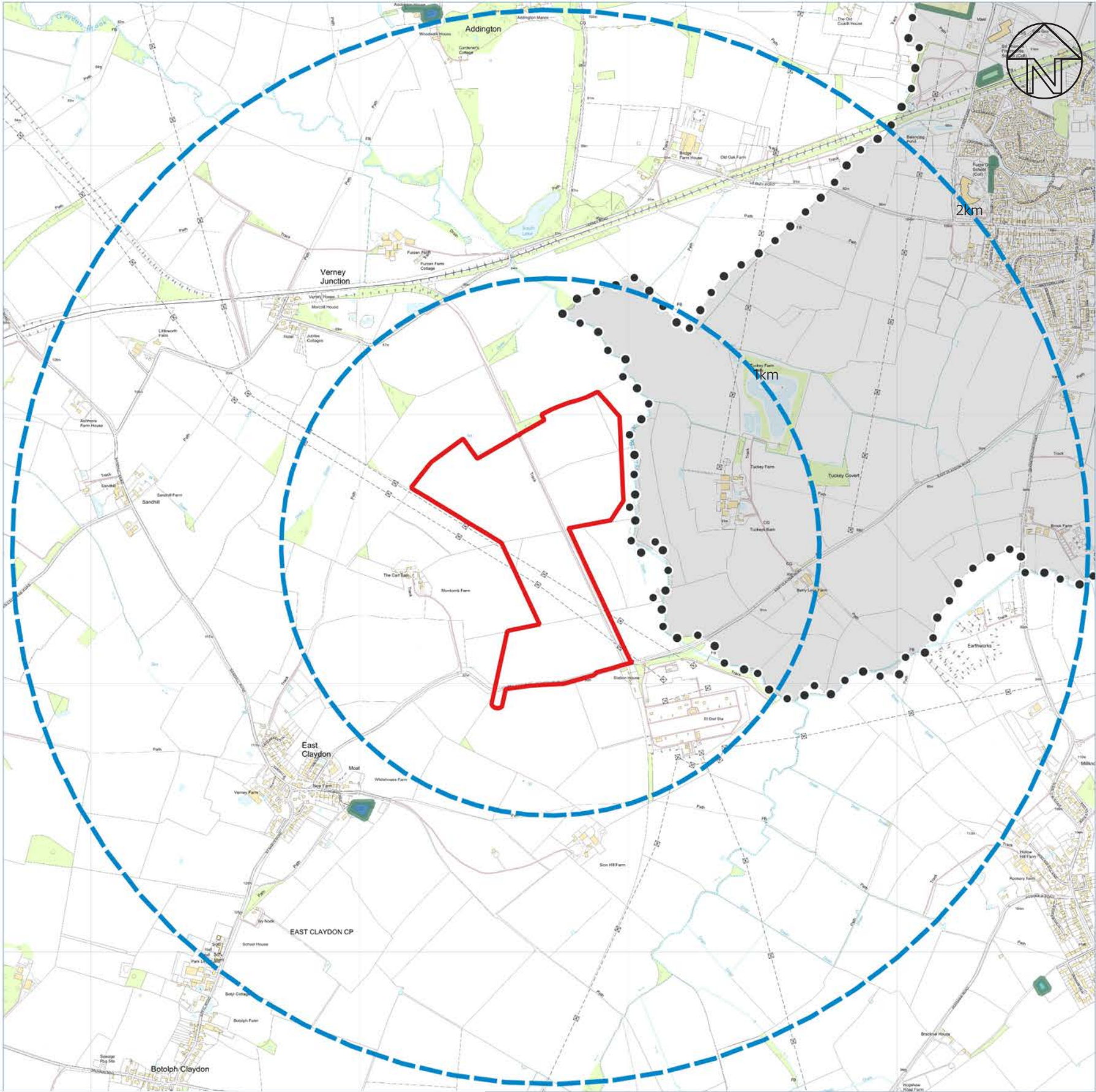
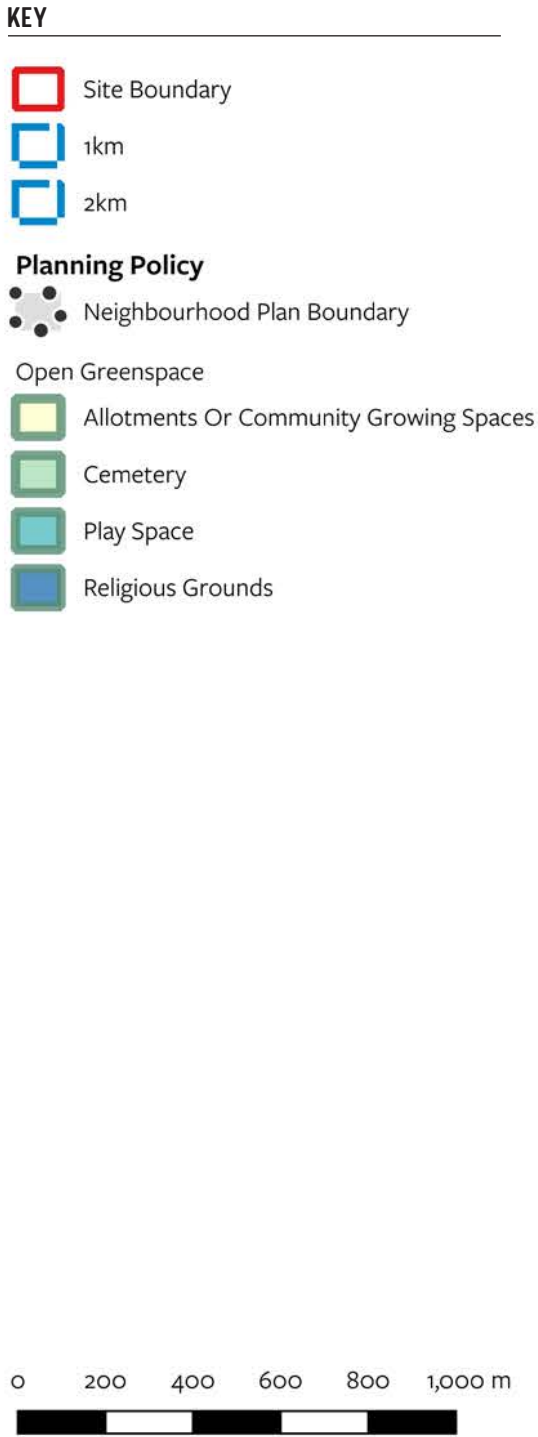


Figure D2 - Local Planning Policy



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

KEY

- Site Boundary
- 1km
- 2km

Note: there are no Ecological Designations within the study area

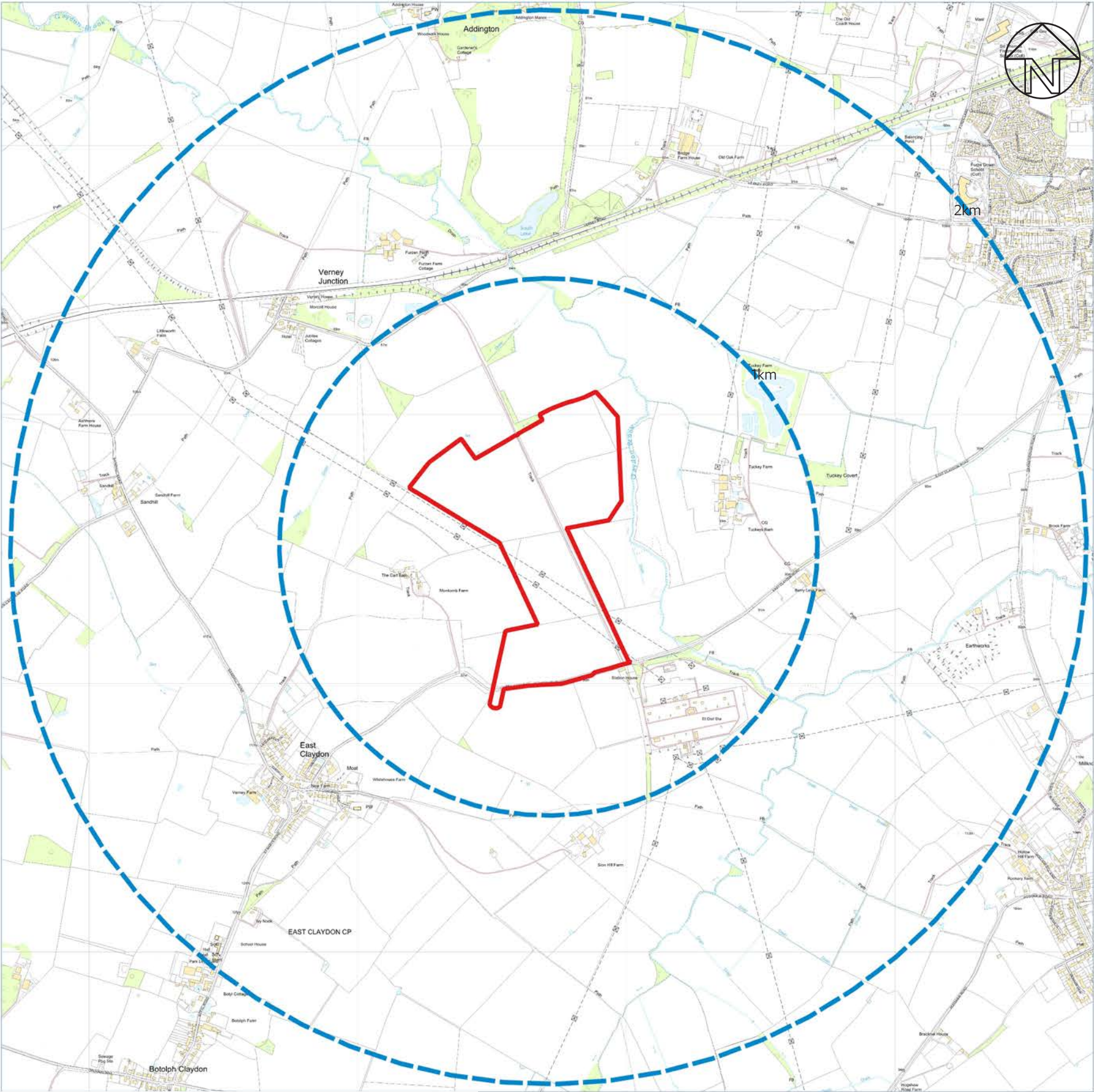


Figure D3 - Local Planning Policy - Ecological Designations



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

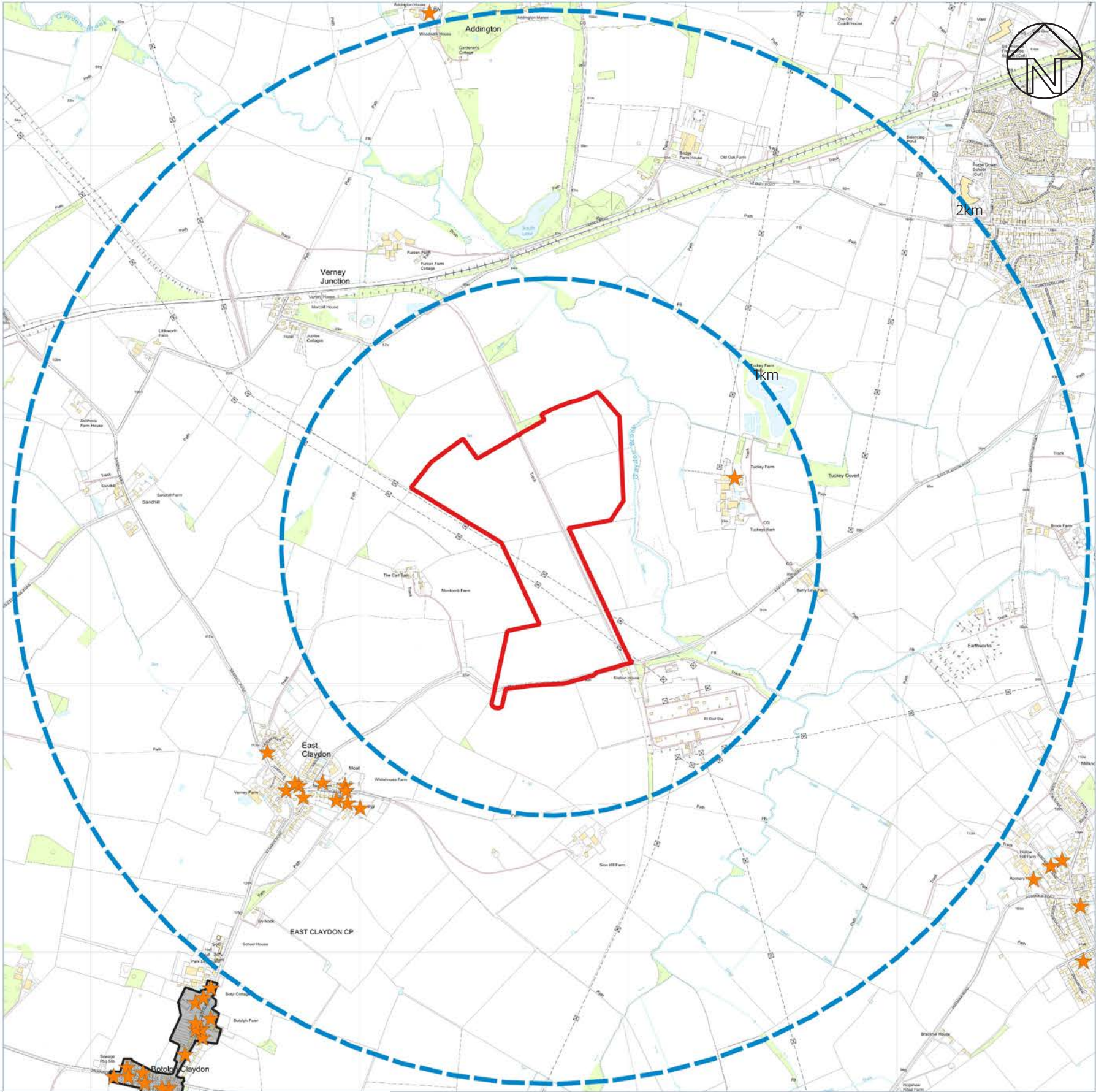


Figure D4 - Local Planning Policy - Heritage Assets



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

KEY

Site Boundary

1km

2km

Natural England

National Character Area

Bedfordshire and Cambridgeshire Claylands

Upper Thames Clay Vales

The figure is a map showing the National Character Area (NCA) 108 Upper Thames Clay Vales and NCA 88 Bedfordshire and Cambridgeshire Claylands. The map includes a site boundary (red line) and concentric circles representing 1km and 2km distances (blue dashed lines). A scale bar at the bottom indicates distances from 0 to 1,000 meters. The map is labeled with 'NCA 108 Upper Thames Clay Vales' and 'NCA 88 Bedfordshire and Cambridgeshire Claylands'.

Figure D5 - National Character Area

6

East Claydon Greener Grid Park



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

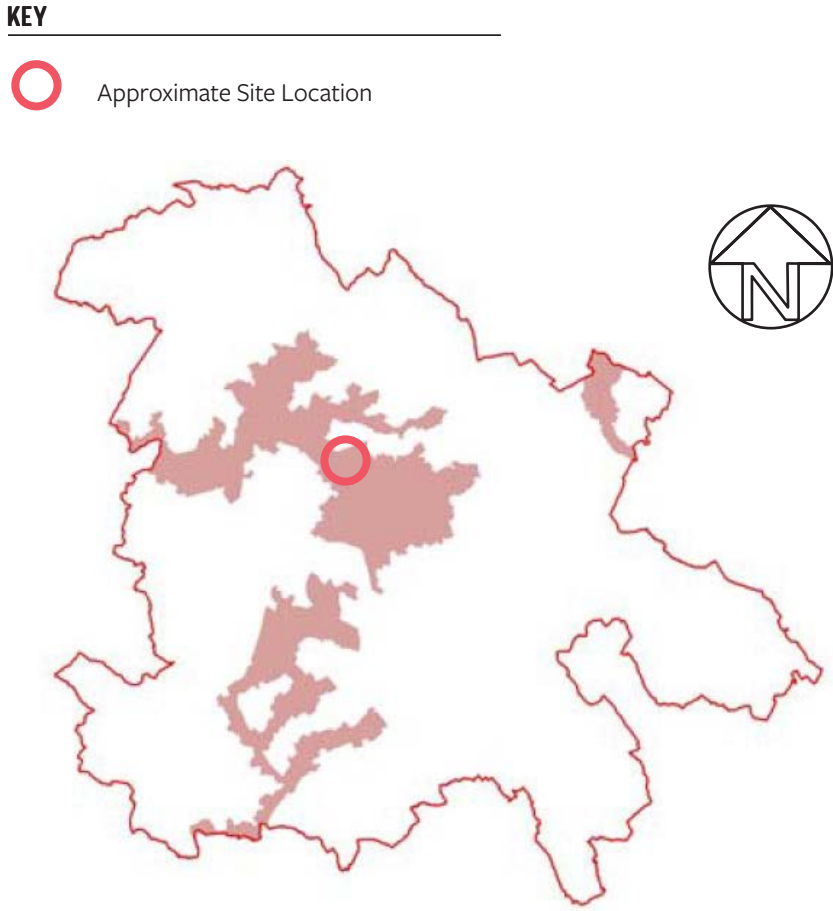


Figure D6 - Landscape Character Type 5 Shallow Vales  
Aylesbury Vale District Council & Buckinghamshire County Council (2008).

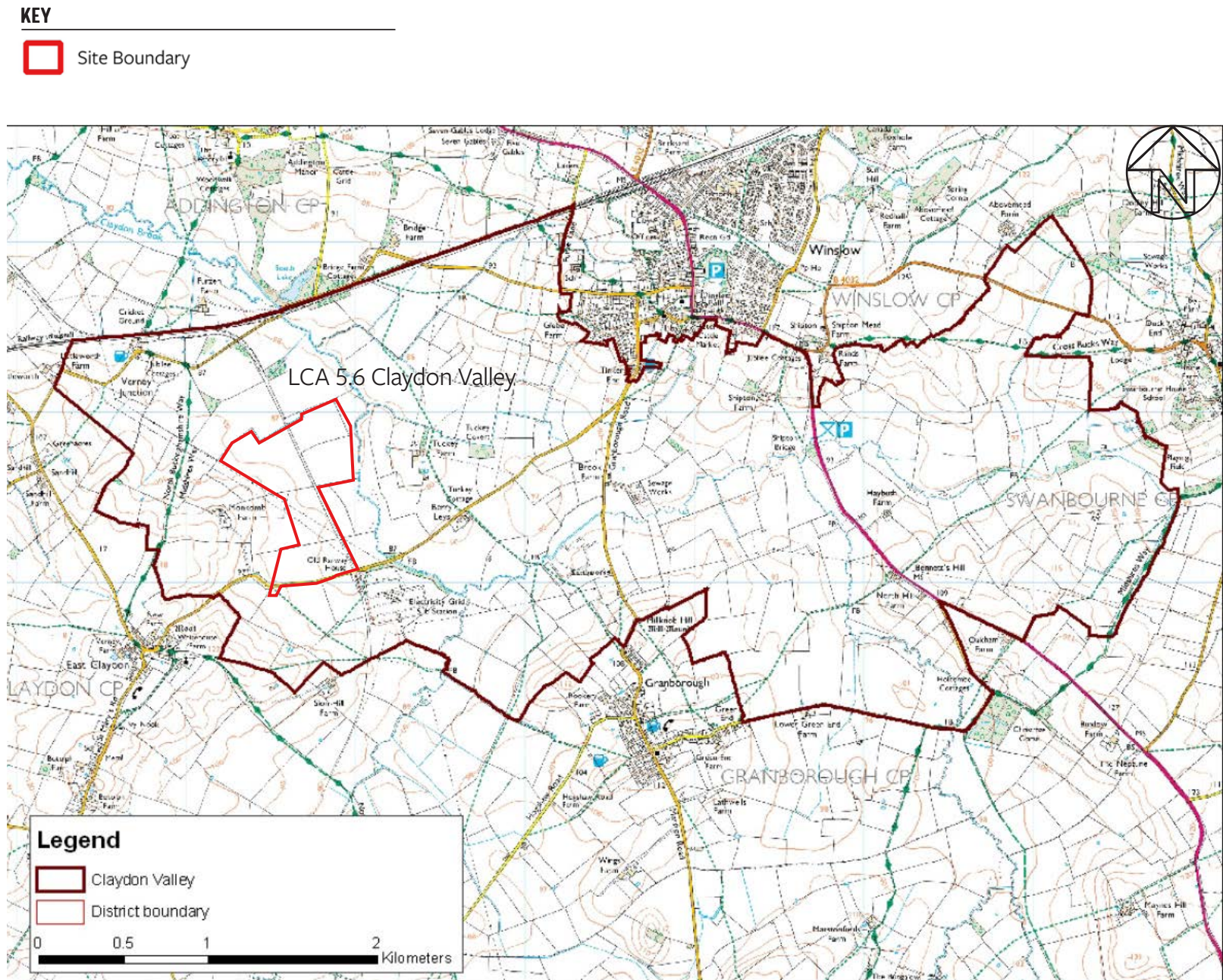


Figure D7 - Landscape Character Area 5.6 Claydon Valley - Aylesbury Vale District Council & Buckinghamshire County Council (2008).



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

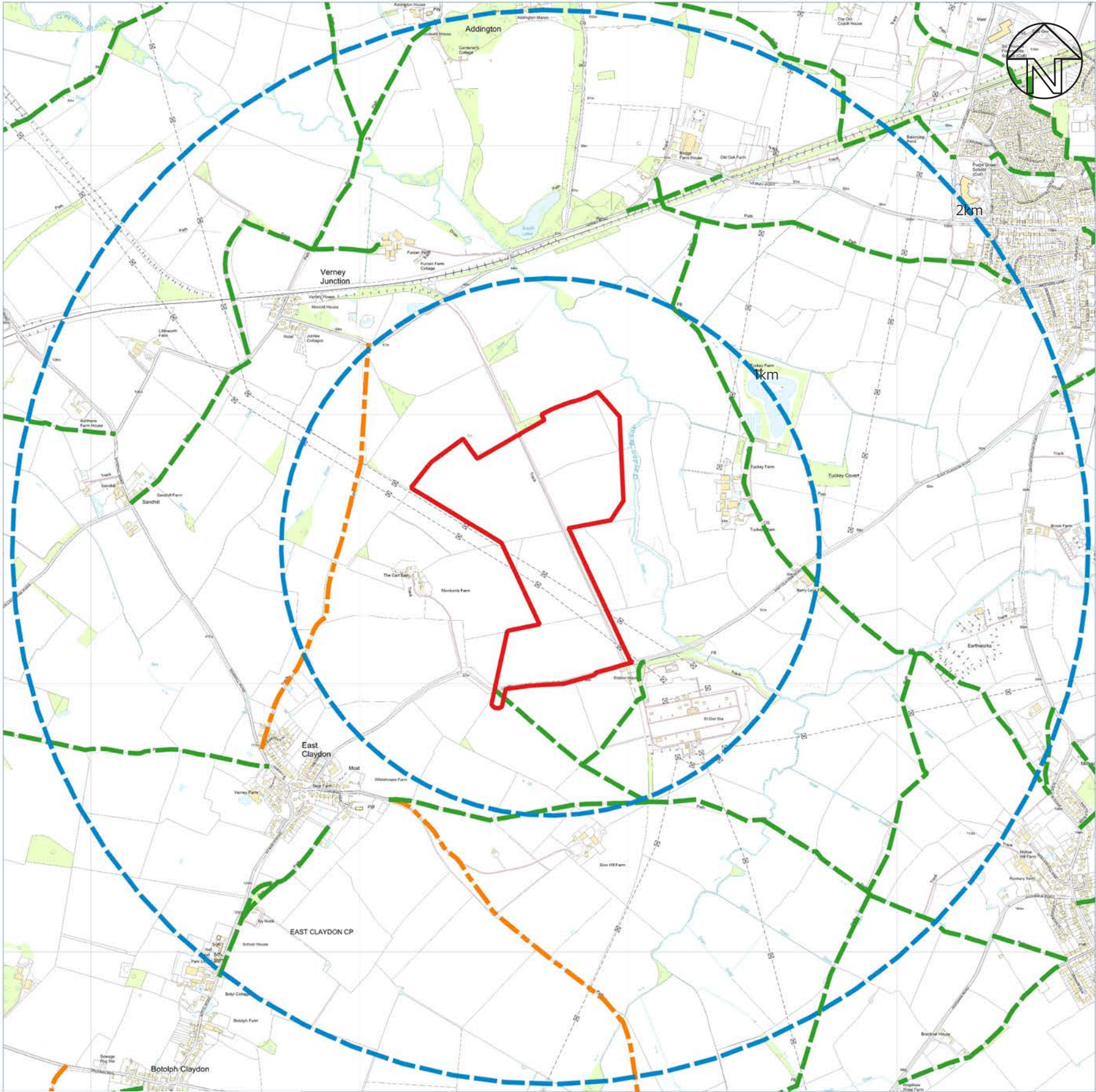


Figure D8 - Public Rights of Way



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

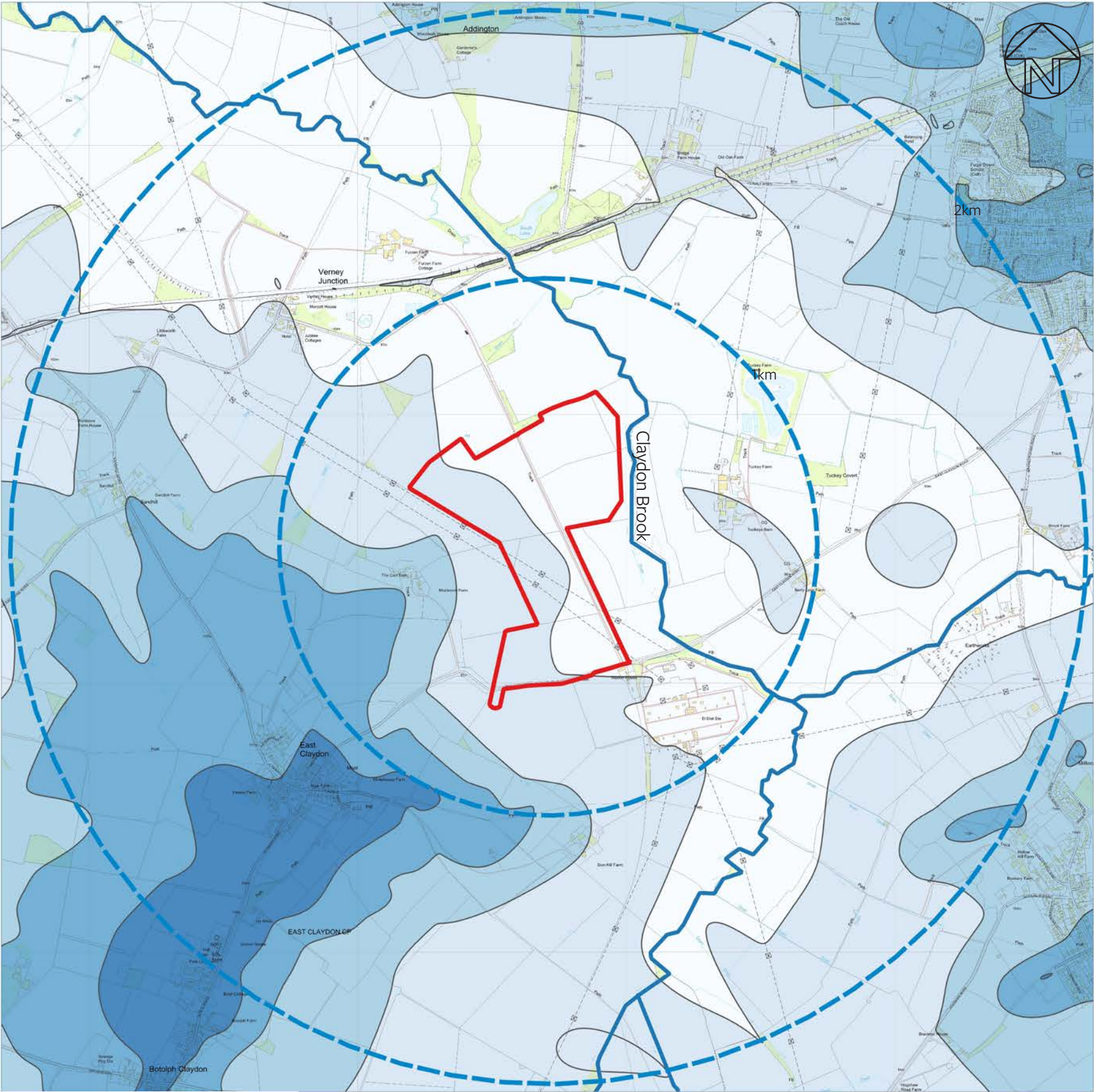
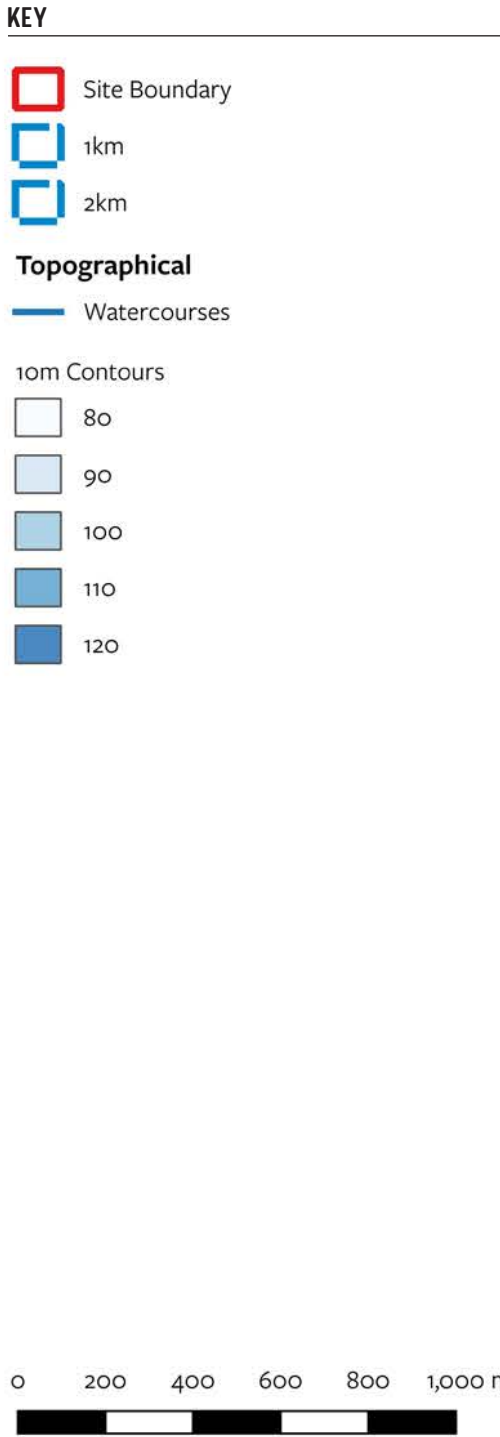


Figure D9 - Landform



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

KEY

Site Boundary

1km

2km

Zone of Theoretical Visibility

Figure D10 - Zone of Theoretical Visibility

10

East Claydon Greener Grid Park



# APPENDIX D1 - LVIA SUPPORTING FIGURES AND TABLES

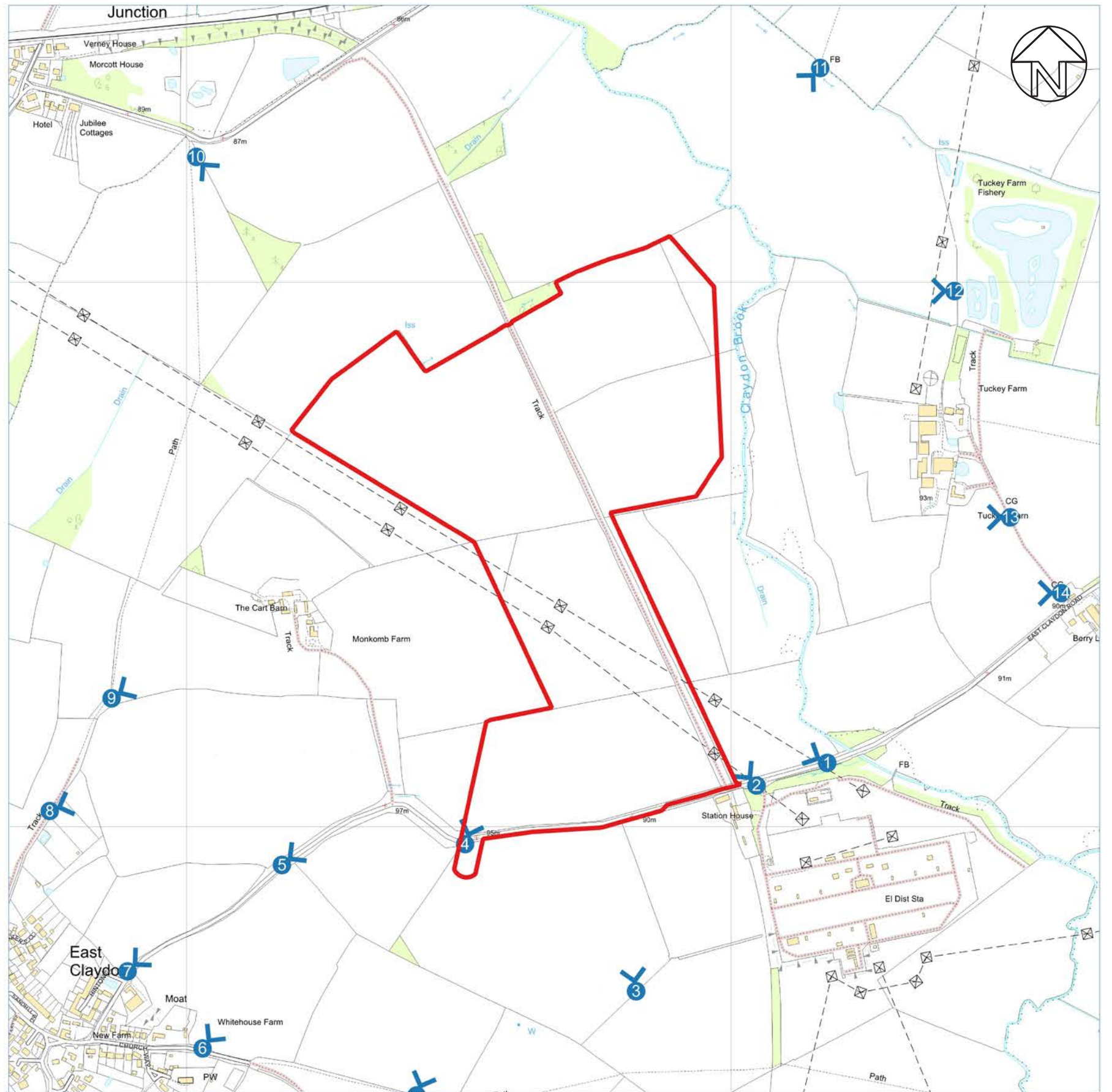
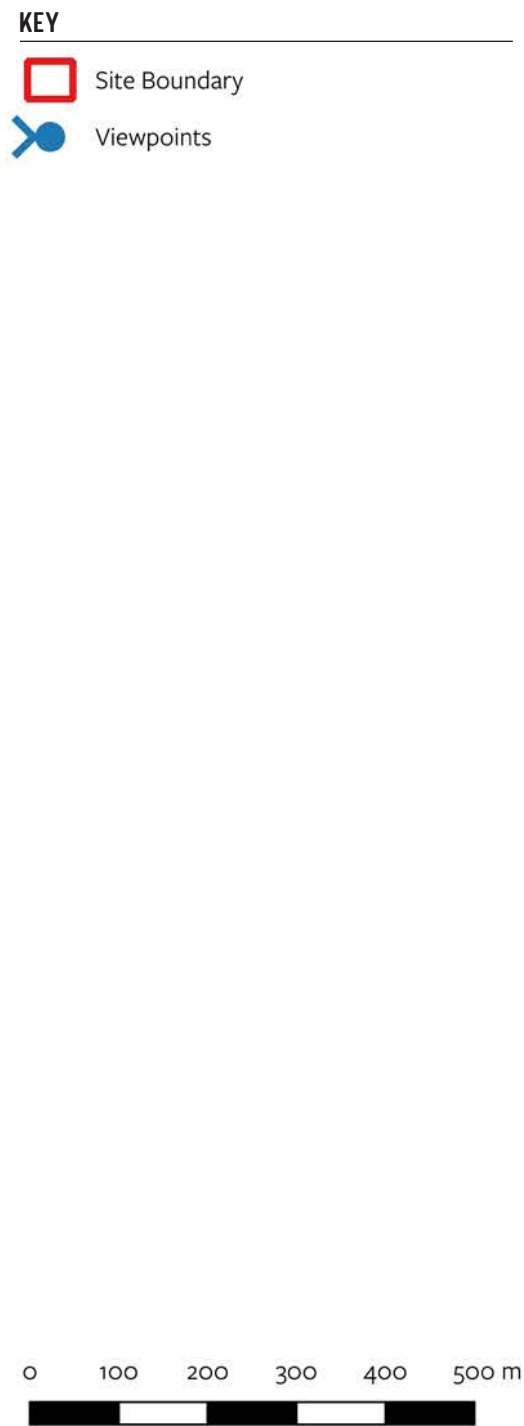


Figure D11 - Viewpoints - Close Range



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

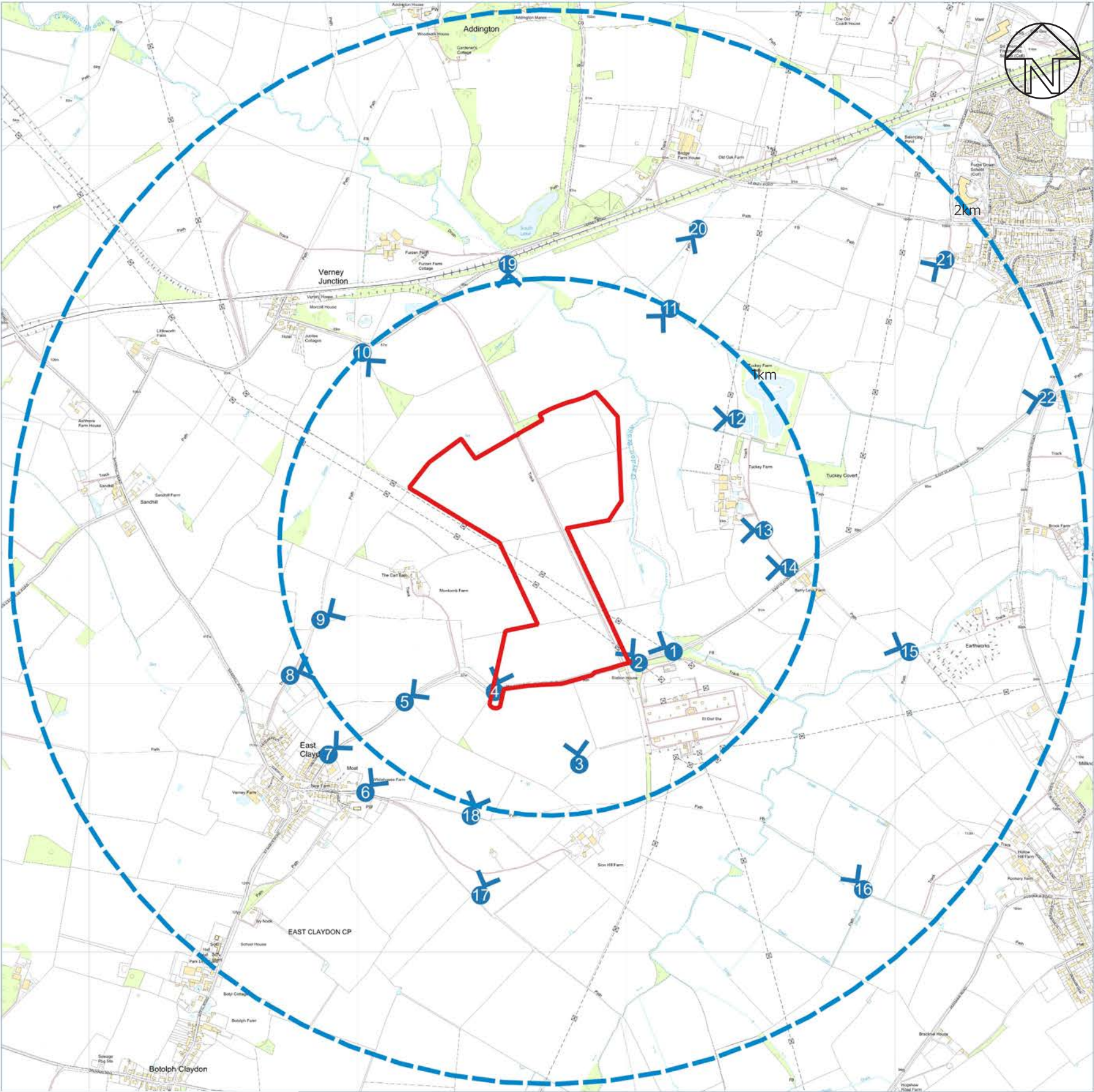


Figure D12 - Viewpoints - Mid Distance



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

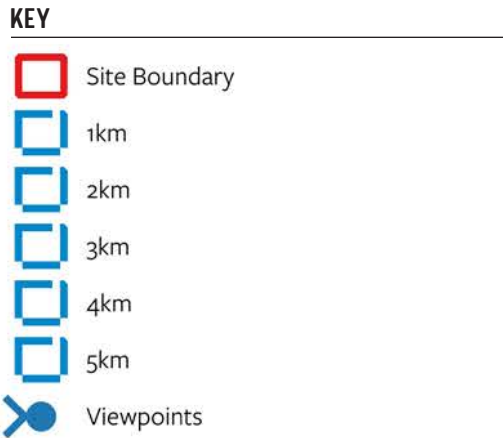


Figure D13 - Viewpoints - Long Distance



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D1 - Visual Receptors						
Viewpoint No.	Location	Viewing Direction	Distance to Site	Visual Receptor(s)	Value	Visibility of Site
1	East Claydon Road	North west	~175m	Road users	Low / Medium	Partial Views
2	East Claydon Road, Footpath BM ECL 3A/1	North west	~40m	Road and footpath users, residents of dwellings, employees at their place of work	Medium	Open and partial views
3	Junction of Footpaths BM ECL 3A/1 & BM ECL 3/1	North	~310m	Footpath users	Medium	Open and partial views (truncated following construction of the replacement substation)
4	East Claydon Road, Footpath BM ECL 3/1	North	Within	Road and Footpath users	Medium	Open and partial views
5	East Claydon Road	North east	~310m	Road users	Low / Medium	Partial views
6	Church Way	North east	~565m	Road users, setting of Heritage Asset	Medium	Partial views
7	East Claydon Road	North east	~630m	Road users, residents of dwellings	Medium	Views are truncated
8	Bridleway BM ECL 2/1	East	~750m	Bridleway users	Medium	Views are truncated
9	Bridleway BM ECL 2/1	East	~690m	Bridleway users	Medium	Partial views
10	Bridleway BM ECL 2/1	South east	~485m	Bridleway users	Medium	Partial glimpsed views
11	Junction of Footpaths BM ADD 14/1 & BM WIS 1/1	South west	~415m	Footpath users	Medium	Partial glimpsed views
12	Footpath BM WIS 1/1	West	~440m	Footpath users	Medium	Views are truncated
13	Footpath BM WIS 1/1	West	~530m	Footpath users, residents of dwellings, setting of Heritage Asset	Medium	Partial glimpsed views

# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D1 - Visual Receptors (continued)						
Viewpoint No.	Location	Viewing Direction	Distance to Site	Visual Receptor(s)	Value	Visibility of Site
14	Footpath BM WIS 1/1	West	~690m	Footpath users, residents of dwellings	Medium	Partial views
15	Footpath BM WIS 1/2	North west	~1050m	Footpath users	Medium	Partial glimpsed views
16	Footpath BM GRA 2/1	North west	~1225m	Footpath users	Medium	Views are truncated
17	Bridleway VBM ECL 5/1	North	~700m	Bridleway users	Medium	Views are truncated
18	Footpath BM ECL 4/1	North east	~415m	Footpath users	Medium	Partial views
19	Verney Road	South	~560m	Road users	Low / Medium	Partial glimpsed views
20	Footpath BM ADD 14/1	South west	~720m	Footpath users	Medium	Partial glimpsed views
21	Footpath BM WIS 4/1	South west	~1360m	Footpath users, residents of dwellings	Medium	Views are truncated
22	Junction of Granborough Road, East Claydon Road & Footpath BM WIS 2/2	West	~1650m	Footpath and road users, residents of dwellings	Medium	Views are truncated
23	Bridleway HOG 9/3 on the ridge of Quainton Hill	North	~4185m	Bridleway users	Medium	Distant, partial glimpsed views (reduced following construction of the replacement substation)



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

KEY

Application Site Boundary

Hard Landscape

Vehicular Asphalt Surface  
*To engineer specification & recommendation*

Proposed Permeable Gravel  
*To engineer specification & recommendation*

Natural Looking Surface Material  
*To engineer specification & recommendation*

Noise Attenuation Wall  
*To engineer specification & recommendation*

Palisade Fence  
*To engineer specification & recommendation*

Stockproof Fence  
*To engineer specification & recommendation*

Soft Landscape

Existing Mature Vegetation  
*Approximate, extent to be confirmed.*

Existing Vegetation Removed  
*Approximate, extent to be confirmed.*

Proposed Native Tree and Shrub Mix

Proposed Wildflower Meadow  
*Seeded mix.*

Proposed SUD Basin  
*To drainage engineer's specification.*

Proposed Swale  
*Wet wildflower meadow seeded mix*



Figure D14 - Landscape Strategy



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

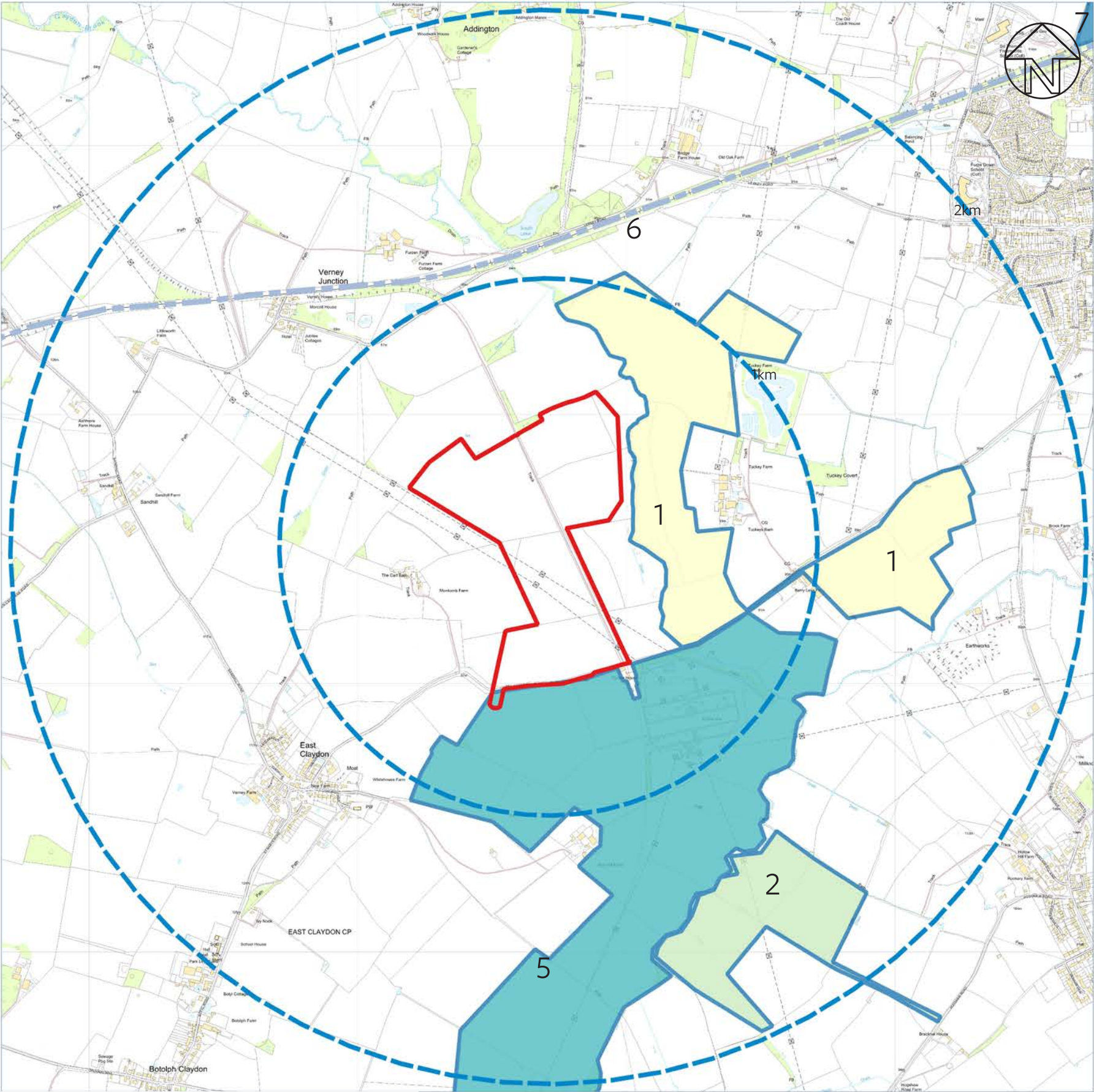
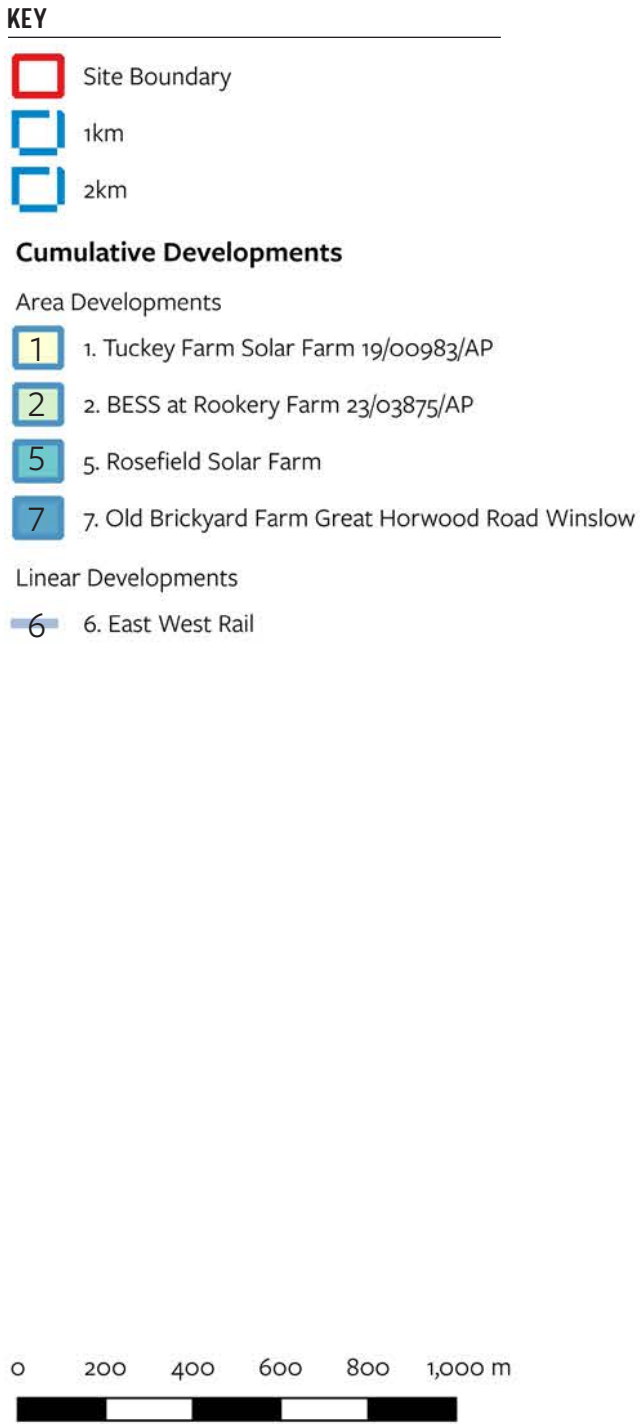


Figure D15 - Cumulative Developments - Within Study Area



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

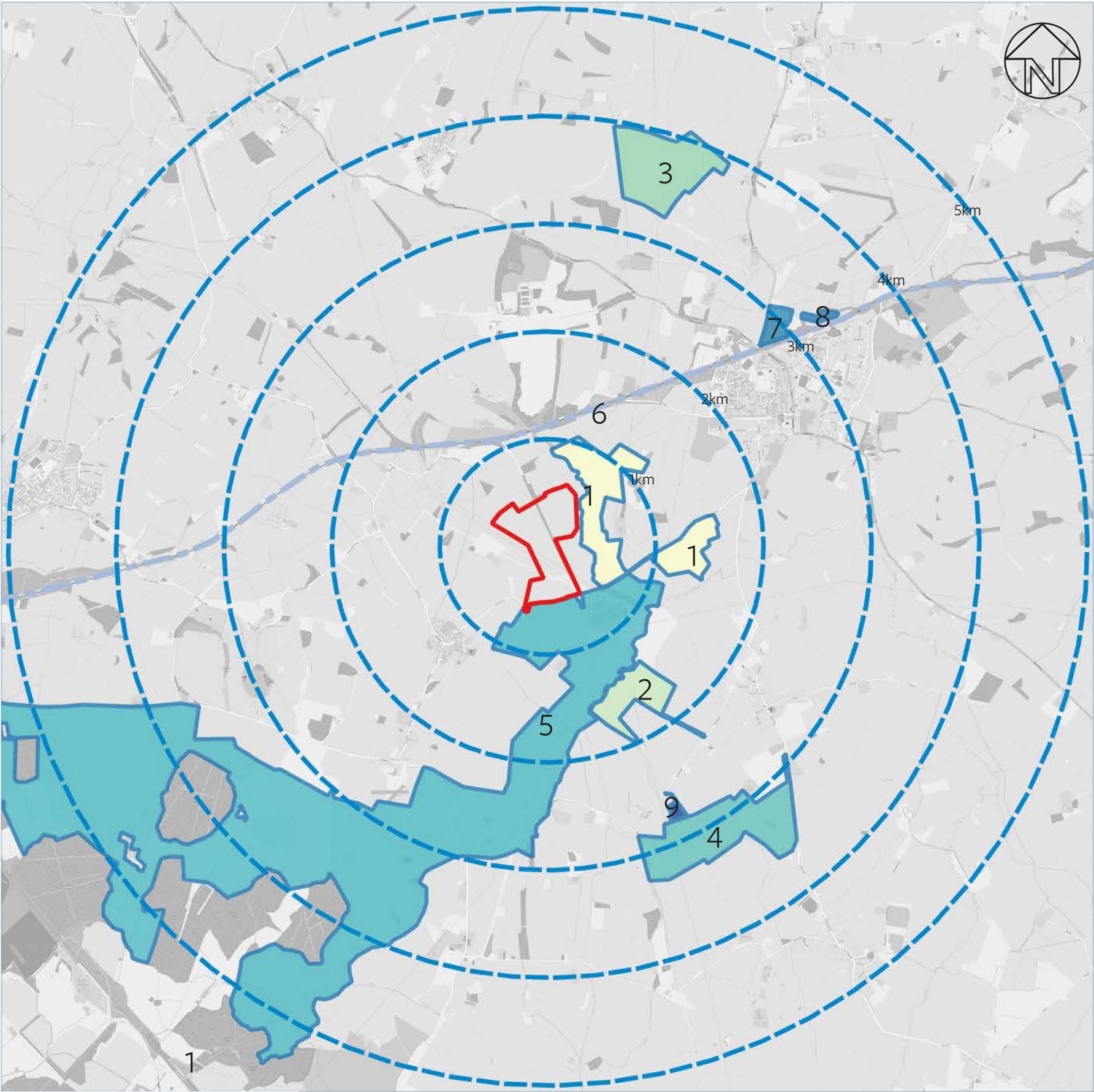


Figure D16 - Cumulative Developments - All



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 1** - View looking north west towards the Site from East Claydon Road. There are partial views of the Site from this location including the upper portions of mature vegetation lining the disused railway line within the Site and electricity pylons within the Site. Further views in to the Site are truncated by the intervening mature vegetation lining East Claydon Road. Value: Low / Medium.



**Viewpoint 1** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 2** - View looking north west towards the Site from East Claydon Road, Footpath BM ECL 3A/1. There are open and partial views of the Site from this location including mature vegetation lining East Claydon Road within the Site, the upper portions of mature vegetation lining the disused railway line within the Site and electricity pylons within the Site. Further views in to the Site are truncated by the intervening mature vegetation lining East Claydon Road.  
Value: Medium.



**Viewpoint 2** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 3** - View looking north towards the Site from the junction of Footpaths BM ECL 3A/1 & BM ECL 3/1. There are open and partial views of the Site from this location including the upper portions of mature vegetation within the Site and electricity pylons within the Site. There are also glimpses of the ground plane of the south west field parcel within the Site. Further views in to the Site are truncated by the intervening mature vegetation. Views of the Site from this location are anticipated to be truncated following the construction of the replacement substation. Value: Medium.



**Viewpoint 3** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 4** - View looking north towards the Site from East Claydon Road, Footpath BM ECL 3/1. There are open and partial views of the Site from this location including the mature vegetation within the Site, the ground plane of the south west field parcel and electricity pylons within the Site. Further views in to the Site are truncated by the intervening mature vegetation within the Site. Value: Medium.



**Viewpoint 4** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 5** - View looking north east towards the Site from East Claydon Road. There are partial views of the Site from this location including the upper portions of mature vegetation within the Site and electricity pylons within the Site. Further views in to the Site are truncated by the intervening mature vegetation. Value: Low / Medium.



**Viewpoint 5** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Approximate extent of Site



**Viewpoint 6** - View looking north east towards the Site from Church Way. There are partial views of the Site from this location including the upper portions of mature vegetation within the Site and electricity pylons within the Site. There are also glimpses of the ground plane of field parcels within the Site. Further views in to the Site are truncated by the intervening mature vegetation and landform. Value: Medium.



**Viewpoint 6** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Approximate extent of Site



**Viewpoint 7** - View looking north east towards the Site from East Claydon Road. Views of the Site are truncated due to the intervening mature vegetation. Value: Medium.



**Viewpoint 7** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Approximate extent of Site



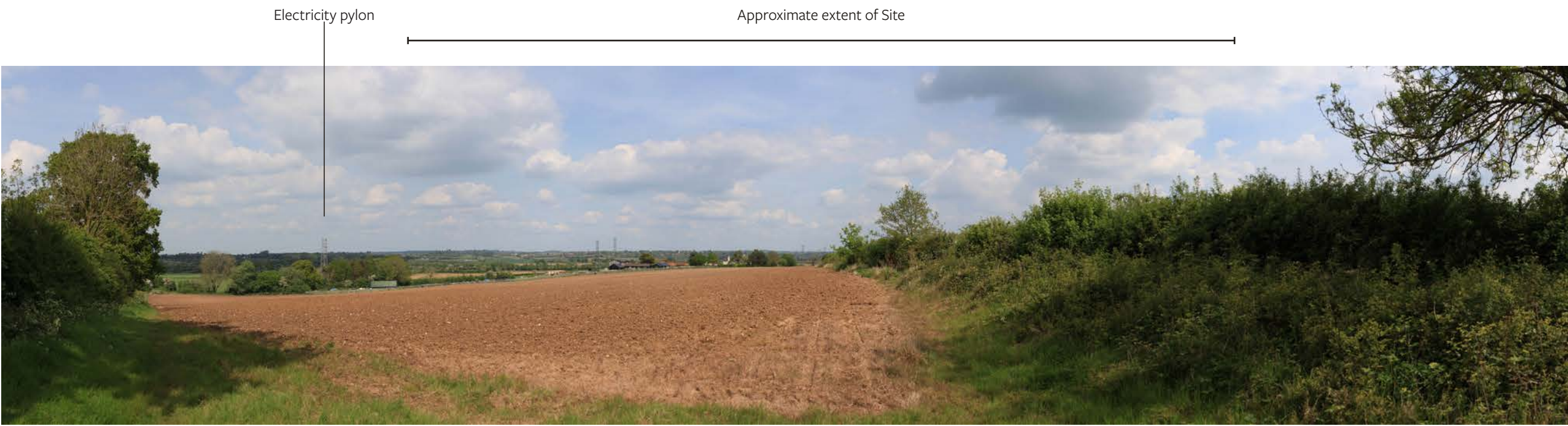
**Viewpoint 8** - View looking east towards the Site from Bridleway BM ECL 2/1. Views of the Site are truncated due to the intervening mature vegetation. Value: Medium.



**Viewpoint 8** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 9** - View looking east towards the Site from Bridleway BM ECL 2/1 There are partial views of the Site from this location including the upper portions of mature vegetation within the Site and glimpses of the ground plane of the north west field parcel within the Site. Further views in to the Site are truncated by the intervening mature vegetation and landform. Value: Medium.



**Viewpoint 9** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Approximate extent of Site



**Viewpoint 10** - View looking south east towards the Site from Bridleway BM ECL 2/1 There are partial glimpsed views of the Site from this location including the upper portions of mature vegetation within the Site. Further views in to the Site are truncated by the intervening mature vegetation. Value: Medium.



**Viewpoint 10** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 11** - View looking south west towards the Site from the junction of Footpaths BM ADD 14/1 & BM WIS 1/1. There are partial glimpsed views of the Site from this location including the upper portions of mature vegetation within the Site. Further views in to the Site are truncated by the intervening mature vegetation. Value: Medium.



**Viewpoint 11** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 12** - View looking west towards the Site from Footpath BM WIS 1/1. Views of the Site are truncated due to the intervening mature vegetation. Value: Medium.



**Viewpoint 12** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 13** - View looking west towards the Site from Footpath BM WIS 1/1. There are partial glimpsed views of the Site from this location including the upper portions of mature vegetation within the Site and electricity pylons within the Site. Further views in to the Site are truncated by the intervening mature vegetation. Value: Medium.



**Viewpoint 13** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 14** - View looking west towards the Site from Footpath BM WIS 1/1. There are partial views of the Site from this location including the upper portions of mature vegetation within the Site and electricity pylons within the Site. Further views in to the Site are truncated by the intervening mature vegetation. Value: Medium.



**Viewpoint 14** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 15** - View looking north west towards the Site from Footpath BM WIS 1/2. There are partial glimpsed views of the Site from this location including the upper portions of mature vegetation within the Site and electricity pylons within the Site. Further views in to the Site are truncated by the intervening mature vegetation. Value: Medium.



**Viewpoint 15** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 16** - View looking north west towards the Site from Footpath BM GRA 2/1. Views of the Site are truncated due to the intervening mature vegetation and built form. Value: Medium.



**Viewpoint 16** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 17** - View looking north towards the Site from Bridleway VBM ECL 5/1. Views of the Site are truncated due to the intervening mature vegetation and landform. Value: Medium.



**Viewpoint 17** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 18** - View looking north east towards the Site from Footpath BM ECL 4/1. There are partial views of the Site from this location including the upper portions of mature vegetation within the Site and electricity pylons within the Site. There are also glimpses of the ground plane of the south west field parcel within the Site. Further views in to the Site are truncated by the intervening mature vegetation. Value: Medium.



**Viewpoint 18** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Approximate extent of Site



**Viewpoint 19** - View looking south towards the Site from Verney Road. There are partial glimpsed views of the Site from this location including the upper portions of mature vegetation within the Site and the ground plane of the north east field parcel. Further views in to the Site are truncated by the intervening mature vegetation. Value: Low / Medium.



**Viewpoint 19** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Approximate extent of Site



**Viewpoint 20** - View looking south west towards the Site from Footpath BM ADD 14/1. There are partial glimpsed views of the Site from this location including the upper portions of mature vegetation within the Site. Further views in to the Site are truncated by the intervening mature vegetation. Value: Medium.



**Viewpoint 20** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 21** - View looking south west towards the Site from Footpath BM WIS 4/1. Views of the Site are truncated due to the intervening mature vegetation. Value: Medium.



**Viewpoint 21** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 22** - View looking west towards the Site from the junction of Granborough Road, East Claydon Road & Footpath BM WIS 2/2. Views of the Site are truncated due to the intervening mature vegetation.  
Value: Medium.



**Viewpoint 22** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES



**Viewpoint 23** - View looking north from an elevated section of Bridleway HOG 9/3 on the ridge of Quainton Hill. There are distant, partial glimpsed views of the Site from this elevated location which is just discerned in the context of the existing East Claydon Substation. From this distance, the Site is perceived through an understanding of the Site’s location relative to the existing built form and landscape elements in the view and may not be as apparent therefore to the casual observer. The replacement substation would also be visible in this view and is anticipated to further obscure views to the Site from this location. Value: Medium.



**Viewpoint 23** - Winter View



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D2 - Impact on Landscape Character Areas									
Character area / feature / designation	Approx. distance to Site	Description / rationale for judgement	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
						Size/ scale, geographic extent and duration	Overall magnitude		
National Landscape Character - National Character Areas (NCA)									
NCA 108 Upper Thames Clay Vales	Within	The Site forms a small part of the wider character area; however, there will be a reduction in the arable and pastoral land and limited removal of boundary hedgerows and trees arising from the development of the Site, access and construction access giving a localised change to the NCA 108 - Upper Thames Clay Vales at the national level. The character of the landscape within the Site will have changed from arable and pastoral field parcels to that of a Greener Grid Park development and access routes set within a mature existing landscape structure which can accommodate significant areas of new native tree and shrub planting.	Medium	Medium	Medium	Negligible / Localised / Long term	Negligible	Construction	Negligible
								Year 1	Negligible
								Year 10	Negligible
NCA 88 Bedfordshire and Cambridgeshire Claylands	~1515m	There are not anticipated to be any direct changes to NCA 88 Bedfordshire and Cambridgeshire Claylands as a result of the development of the Site due to the distance and limited intervisibility.	Medium	Medium	Medium	None / Localised / Long term	Negligible	Construction	Negligible
								Year 1	Negligible
								Year 10	Negligible
Local Landscape Character									
LCT 5 Shallow Vales	Within	The Site forms a small part of the wider character type; however, there will be a reduction in the arable and pastoral land and limited removal of boundary hedgerows and trees arising from the development of the Site, access and construction access giving a localised change to the LCT 5 Shallow Vales at the local level. The character of the landscape within the Site will have changed from arable and pastoral field parcels to that of a Greener Grid Park development and access routes set within a mature existing landscape structure which can accommodate significant areas of new native tree and shrub planting.	Medium	Medium	Medium	Negligible / Localised / Long term	Negligible	Construction	Negligible
								Year 1	Negligible
								Year 10	Negligible



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D2 - Impact on Landscape Character Areas (continued)									
Character area / feature / designation	Approx. distance to Site	Description / rationale for judgement	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
						Size/ scale, geographic extent and duration	Overall magnitude		
Local Landscape Character									
LCA 5.6 Claydon Valley	Within	The Site forms part of the wider character area. There will be a reduction in the arable and pastoral land and limited removal of boundary hedgerows and trees arising from the development of the Site, access and construction access giving a localised change to LCA 5.6 Claydon Valley at the local level. The character of the landscape within the Site will have changed from arable and pastoral field parcels to that of a Greener Grid Park development and access routes set within a mature existing landscape structure which can accommodate significant areas of new native tree and shrub planting.	Medium	Medium	Medium	Minor / Localised / Long term	Low	Construction	Minor Adverse
								Year 1	Minor Adverse
								Year 10	Negligible
LCA 4.12 Winslow Ridge	~595m	There are not anticipated to be any direct changes to LCA 4.12 Winslow Ridge as a result of the development of the Site due to the distance and limited intervisibility.	Medium	Medium	Medium	None / Localised / Long term	Negligible	Construction	Negligible
								Year 1	Negligible
								Year 10	Negligible
LCA 5.4 Twyford Vale	~595m	There are not anticipated to be any direct changes to LCA 5.4 Twyford Vale as a result of the development of the Site due to the distance and limited intervisibility.	Medium	Medium	Medium	None / Localised / Long term	Negligible	Construction	Negligible
								Year 1	Negligible
								Year 10	Negligible
LCA 5.7 Hogshaw Claylands	~470m	There is a degree of intervisibility between the Site and this LCA, however, there are not anticipated to be any direct changes to LCA as a result of the development of the Site.	Medium	Medium	Medium	Negligible / Localised / Long term	Negligible	Construction	Negligible
								Year 1	Negligible
								Year 10	Negligible



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D2 - Impact on Landscape Character Areas (continued)									
Character area / feature / designation	Approx. distance to Site	Description / rationale for judgement	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
						Size/ scale, geographic extent and duration	Overall magnitude		
Local Landscape Character									
LCA 5.8 Marston Undulating Claylands	~1500m	There are not anticipated to be any direct changes to LCA 4.12 Winslow Ridge as a result of the development of the Site due to the distance and limited intervisibility.	Medium	Medium	Medium	None / Localised / Long term	Negligible	Construction	Negligible
								Year 1	Negligible
								Year 10	Negligible
LCA 7.3 Claydon Bowl	~350m	There is a degree of intervisibility between the Site and this LCA, however, there are not anticipated to be any direct changes to LCA as a result of the development of the Site.	Medium	Medium	Medium	Negligible / Localised / Long term	Negligible	Construction	Negligible
								Year 1	Negligible
								Year 10	Negligible
Site Landscape Character	Within	Change to the character of the Site, replacing parts of the existing northern arable and pastoral field parcel and introducing new built elements and new native tree, shrub, hedgerow and wildflower planting. Development enables opportunity to manage existing elements of importance such as the retained mature trees and boundary hedgerows and supplement with new planting to integrate the new built form proposed in the Site in to its local environs.	Medium	Medium	Medium	Moderate / Localised / Long term	Medium	Construction	Moderate Adverse
								Year 1	Moderate Adverse
								Year 10	Minor Adverse



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D3 - Impact on Landscape Features									
Landscape feature / designation	Approx. distance to Site	Description / rationale for judgement	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
						Size/ scale, geographic extent and duration	Overall magnitude		
Landscape Features									
Existing Land Use	Within	Change to the use of the Site, from arable and pastoral field parcels to a new Greener Grid Park development set within the existing retained mature vegetation and considerable areas of new green and blue infrastructure.	Medium	Medium	Medium	Moderate / Restricted / Long term	Medium	Construction	Moderate Adverse
								Year 1	Moderate Adverse
								Year 10	Moderate Adverse
Landform	Within	Topography within the site is relatively flat. Development of the Site will see localised changes in level required to create development platforms, a landscape bund to the south west of the Greener Grid Park compound and to facilitate attenuation basins. The Proposed Development aims to work with the existing contours and will consequently not alter the existing topography considerably.	Medium	Medium	Medium	Minor / Restricted / Long term	Small	Construction	Minor Adverse
								Year 1	Negligible Adverse
								Year 10	Negligible Adverse
Vegetation	Within	Removal of portions of existing boundary hedgerow to the south of the Site to enable construction access to the development, a section of hedgerow to the east of the Greener Grid Park compound and a short portion of mature vegetation lining the former railway line centrally within the Greener Grid Park compound to facilitate the development. The remaining existing tree and hedgerows within the Site and adjacent to Site boundaries will be protected during construction and retained. New native tree, shrub and meadow planting proposed surrounding the Greener Grid Park compound will provide a new tree resource and create a new structure of vegetation to the proposed built elements.	Medium	Medium	Medium	Minor / Restricted / Long term	Low	Construction	Minor Adverse
								Year 1	Negligible Beneficial
								Year 10	Minor Beneficial



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D3 - Impact on Landscape Features (continued)									
Landscape feature / designation	Approx. distance to Site	Description / rationale for judgement	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
						Size/ scale, geographic extent and duration	Overall magnitude		
Landscape Features									
Watercourses	Within	Short sections of the existing ditch within the Site will be culverted to enable the required access routes to the Greener Grid Park compound and Substation There are no further direct changes to any existing water course. New blue infrastructure is proposed in the northern portions of the Site to provide water attenuation within the Site.	Medium	Medium	Medium	Negligible / Restricted / Long term	Negligible	Construction	Negligible
								Year 1	Negligible
								Year 10	Negligible
Existing Public Rights of Way within and in Close Proximity to the Site	Within	Footpath BM ECL 3/1 is located in within the south west portion of the Site. The development proposals will see the cabling route cross a short section of the footpath to connect with East Claydon Electricity Substation. The proposed development will see a temporary change to this route during the implementation of the cabling. The footpath route will then be returned to its existing state post construction.	High	High	High	Minor / Restricted / Construction Stage	Low	Construction	Minor Adverse
								Year 1	Negligible
								Year 10	Negligible
Night Time Character	Within	The Site is currently unlit and light emitting features are limited in the immediate vicinity of the Site. The Site is generally dark and the sight of light within and adjacent to the Site is limited. During the construction phase temporary lighting will be required in order to facilitate a safe working environment. Lighting will primarily be located within the compound area, will be low level and will be directional towards the working area. During the operational phase the proposed detailed lighting scheme will have been implemented. The scheme takes into account the surrounding sensitivities including existing neighbouring residential properties and sensitive ecological areas. Lighting is to be operated from Statkraft’s central facilities operation and will only be turned on when maintenance workers are on-site during the darker hours of the day.	Medium	Medium	Medium	Moderate - Minor / Restricted / Long term	Medium / Low	Construction	Moderate Adverse
								Year 1	Minor Adverse
								Year 10	Minor Adverse



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D4 - Assessment of Visual Receptors								
Visual Receptor(s)	Description of visual effect	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
					Size/ scale, geographic extent and duration	Overall magnitude		
Residents of Dwellings								
Residents of the Monkomb Farm complex	There are open and partial views across the western and central portions of the Site including the ground plane of the western field parcels and mature existing vegetation within the Site. Following the development of the Site there are anticipated to be views across the Greener Grid Park compound within the Site, seen in the context of the existing energy infrastructure within and adjacent to the Site and the new landscape structure planting to the west of the compound. Views of the built form within the Greener Grid Park compound are anticipated to reduce over time as the proposed planting matures.	Medium	High	High / Medium	Moderate to Minor / Localised / Long term	Medium	Construction	Major / Moderate to Moderate Adverse
							Year 1	Major / Moderate to Moderate Adverse
							Year 10	Minor Adverse
Residents of Station House	There are currently open and partial view to the mature vegetation within the Site lining East Claydon Road, portions of the ground plane of the south west field parcel and the upper portions of mature vegetation and electricity pylons within the Site. Following the development of the Site, views will primarily be to the existing vegetation lining East Claydon Road, the upper portions of the proposed Substation and the proposed construction access seen in the context of the existing energy infrastructure within and adjacent to the Site. Views of the Greener Grid Park compound are anticipated to be extremely limited or are not available from this location due to the intervening mature vegetation. Any views of the built form within the Greener Grid Park compound are anticipated to reduce over time as the proposed planting matures.	Medium	High	High / Medium	Minor / Localised / Long term	Low	Construction	Minor Adverse
							Year 1	Minor Adverse
							Year 10	Negligible
Residents of Tuckeys Farm complex	There are currently potential partial glimpsed views to the upper portions of mature vegetation and electricity pylons within the Site from Tuckey Farmhouse Complex to the east of the Site. Following the development of the Site, views will primarily be to the existing vegetation and potentially the upper portions of the proposed HV yard within the Site, seen in the context of the existing energy infrastructure within and adjacent to the Site. Further views of the built form within the Greener Grid Park compound are anticipated to be extremely limited or not available from this location due to the intervening mature vegetation. Any views of the built form within the Greener Grid Park compound will reduce over time as the proposed planting matures.	Medium	High	High / Medium	Negligible to None / Localised / Long term	Negligible	Construction	Negligible
							Year 1	Negligible
							Year 10	Negligible



APPENDIX D1 –  
LVIA SUPPORTING  
FIGURES AND TABLES

Table D4 - Assessment of Visual Receptors (continued)								
Visual Receptor(s)	Description of visual effect	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
					Size/ scale, geographic extent and duration	Overall magnitude		
Residents of Dwellings								
Residents of Berry Leys Farm	There are currently potential partial views to the upper portions of mature vegetation and electricity pylons within the Site from this location. Following the development of the Site, views will primarily be to the existing vegetation and potentially the upper portions of the proposed HV yard within the Site, seen in the context of the existing energy infrastructure within and adjacent to the Site. Further views of the Greener Grid Park compound are anticipated to be extremely limited or not available from this location due to the intervening mature vegetation.	Medium	High	High / Medium	Negligible to None / Localised / Long term	Negligible	Construction	Negligible
							Year 1	Negligible
							Year 10	Negligible
Residents of Sion Hill Farm	Views of the development proposals within the Site including the Greener Grid Park compound are anticipated to be truncated from this location due to the layers of intervening mature vegetation.	Medium	High	High / Medium	Negligible / Localised / Long term	Negligible	Construction	Negligible
							Year 1	Negligible
							Year 10	Negligible
Residents of dwellings on the eastern fringe of East Claydon including those on Church Way, Hinton Close and Lacemakers Close.	There are also anticipated to be locations within eastern fringe East Claydon where the upper portions of mature vegetation and electricity pylons within the Site are visible in views from the upper storey windows of dwellings. The location of these views is limited to a small number of dwellings on Church Way, Hinton Close and Lacemakers Close and is dependent on the orientation of the dwelling in relation to the Site and the degree of intervening mature vegetation. Views of the Greener Grid Park compound are anticipated to be extremely limited or not available from these locations due to the intervening mature vegetation.	Medium	High	High / Medium	Negligible / Localised / Long term	Negligible	Construction	Negligible
							Year 1	Negligible
							Year 10	Negligible



APPENDIX D1 –  
LVIA SUPPORTING  
FIGURES AND TABLES

Table D4 - Assessment of Visual Receptors (continued)								
Visual Receptor(s)	Description of visual effect	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
					Size/ scale, geographic extent and duration	Overall magnitude		
Users of Public Rights of Way								
Users of Bridleway BM ECL 2/1	There are partial views across the western portions of the Site including the ground plane of the western field parcels and mature existing vegetation within the Site. Following the development of the Site there are anticipated to be views across the Greener Grid Park compound within the Site, seen in the context of the Monkomb Farm complex, the existing energy infrastructure within and adjacent to the Site and the new landscape structure planting to the west of the compound. Views of the built form within the Greener Grid Park compound are anticipated to reduce over time as the proposed planting matures.	Medium	High	High / Medium	Minor / Localised / Long term	Low	Construction	Moderate Adverse
							Year 1	Moderate Adverse
							Year 10	Minor Adverse
Users of Footpath BM WIS 1/1	There are currently partial and partial glimpsed views to the upper portions of mature vegetation and electricity pylons within the Site from portions of this route. Following the development of the Site, views will primarily be to the existing vegetation and potentially the upper portions of the proposed HV yard within the Site, seen in the context of the existing energy infrastructure within and adjacent to the Site. Further views of the built form within the Greener Grid Park compound are anticipated to be extremely limited or not available from this route due to the intervening mature vegetation. Any views of the built form within the Greener Grid Park compound will reduce over time as the proposed planting matures.	Medium	High	High / Medium	Negligible / Localised / Long term	Negligible	Construction	Minor Adverse
							Year 1	Minor Adverse
							Year 10	Negligible
Users of Footpath BM ADD 14/1	There are currently partial glimpsed views to the upper portions of mature vegetation and electricity pylons within the Site from portions of this route. Following the development of the Site, views will primarily be to the existing vegetation and potentially the upper portions of the proposed HV yard within the Site, seen in the context of the existing energy infrastructure within and adjacent to the Site. Further views of the built form within the Greener Grid Park compound are anticipated to be extremely limited or not available from this route due to the intervening mature vegetation. Any views of the built form within the Greener Grid Park compound will reduce over time as the proposed planting matures.	Medium	High	High / Medium	Negligible / Localised / Long term	Negligible	Construction	Minor Adverse
							Year 1	Minor Adverse
							Year 10	Negligible



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D4 - Assessment of Visual Receptors (continued)								
Visual Receptor(s)	Description of visual effect	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
					Size/ scale, geographic extent and duration	Overall magnitude		
Users of Public Rights of Way								
Users of Footpath BM ECL 3/1	There are currently open and partial view to the mature vegetation within the Site lining East Claydon Road, portions of the ground plane of the south west field parcel and the upper portions of mature vegetation and electricity pylons within the Site from sections of this route, primarily in close proximity to East Claydon Road. Following the development of the Site, views will primarily be to the existing vegetation lining East Claydon Road, the upper portions of the proposed Substation and the proposed construction access seen in the context of the existing energy infrastructure within and adjacent to the Site. Views of the Greener Grid Park compound are anticipated to be extremely limited or are not available from this location due to the intervening mature vegetation. Any views of the built form within the Greener Grid Park compound are anticipated to reduce over time as the proposed planting matures.	Medium	High	High / Medium	Negligible / Localised / Long term	Negligible	Construction	Minor Adverse
							Year 1	Minor Adverse
							Year 10	Negligible
Users of Footpath BM ECL 3A/1	There are currently open and partial view to the mature vegetation within the Site lining East Claydon Road, portions of the ground plane of the south west field parcel and the upper portions of mature vegetation and electricity pylons within the Site from sections of this route, primarily in close proximity to East Claydon Road. . Following the development of the Site, views will primarily be to the existing vegetation lining East Claydon Road, the upper portions of the proposed Substation and the proposed construction access seen in the context of the existing energy infrastructure within and adjacent to the Site. Views of the Greener Grid Park compound are anticipated to be extremely limited or are not available from this location due to the intervening mature vegetation. Any views of the built form within the Greener Grid Park compound are anticipated to reduce over time as the proposed planting matures.	Medium	High	High / Medium	Negligible / Localised / Long term	Negligible	Construction	Minor Adverse
							Year 1	Minor Adverse
							Year 10	Negligible
Users of Footpath BM ECL 4/1	There are partial views of the Site from limited elevated portions of this route including the upper portions of mature vegetation within the Site, electricity pylons within the Site and glimpses of the ground plane of the south west field parcel within the Site Views of the built form within the Greener Grid Park compound are anticipated to be extremely limited or not available from this location due to the intervening mature vegetation.	Medium	High	High / Medium	Negligible / Localised / Long term	Negligible	Construction	Minor Adverse
							Year 1	Minor Adverse
							Year 10	Negligible



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D4 - Assessment of Visual Receptors (continued)								
Visual Receptor(s)	Description of visual effect	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
					Size/ scale, geographic extent and duration	Overall magnitude		
Users of Public Rights of Way								
Users of Bridleway HOG 9/3	There are distant, partial glimpsed views of the Site from elevated sections of this route which is just discerned in the context of the existing East Claydon Substation. From this distance, the Site is perceived through an understanding of the Site's location relative to the existing built form of East Claydon Substation and landscape elements in the view and may not be as apparent therefore to the casual observer. The replacement substation would also be visible in this view and is anticipated to further obscure views to the Site from this location. Views of the development proposals within the Site are not anticipated to be readily perceived at this distance.	Medium	High	High / Medium	Negligible / Localised / Long term	Negligible	Construction	Negligible
							Year 1	Negligible
							Year 10	Negligible



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D4 - Assessment of Visual Receptors (continued)								
Visual Receptor(s)	Description of visual effect	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
					Size/ scale, geographic extent and duration	Overall magnitude		
Visitors to Heritage Assets								
Tuckey Farmhouse	There are currently potential partial glimpsed views to the upper portions of mature vegetation and electricity pylons within the Site from Tuckey Farmhouse. Following the development of the Site, views will primarily be to the existing vegetation and potentially the upper portions of the proposed HV yard within the Site, seen in the context of the existing energy infrastructure within and adjacent to the Site. Further views of the built form within the Greener Grid Park compound are anticipated to be extremely limited or not available from this location due to the intervening mature vegetation. Any views of the built form within the Greener Grid Park compound will reduce over time as the proposed planting matures.	Medium	High	High / Medium	Negligible / Localised / Long term	Negligible	Construction	Negligible
							Year 1	Negligible
							Year 10	Negligible
White House Farmhouse (including Wall to the front)	Views of the development proposals within the Site including the Greener Grid Park compound are anticipated to be truncated from this location due to the intervening mature vegetation.	Medium	High	High / Medium	Negligible / Localised / Long term	Negligible	Construction	Negligible
							Year 1	Negligible
							Year 10	Negligible
Beech House	Views of the development proposals within the Site including the Greener Grid Park compound are anticipated to be truncated from this location due to the intervening mature vegetation.	Medium	High	High / Medium	Negligible / Localised / Long term	Negligible	Construction	Negligible
							Year 1	Negligible
							Year 10	Negligible



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D4 - Assessment of Visual Receptors (continued)								
Visual Receptor(s)	Description of visual effect	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
					Size/ scale, geographic extent and duration	Overall magnitude		
Visitors to Heritage Assets								
Church of St Mary	Views of the development proposals within the Site including the Greener Grid Park compound are anticipated to be truncated from this location due to the intervening mature vegetation.	Medium	High	High / Medium	Negligible / Localised / Long term	Negligible	Construction	Negligible
							Year 1	Negligible
							Year 10	Negligible



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D3 - Assessment of Visual Receptors (continued)								
Visual Receptor(s)	Description of visual effect	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
					Size/ scale, geographic extent and duration	Overall magnitude		
Road Users								
Users of East Claydon Road	There are currently open and partial view to the mature vegetation within the Site lining East Claydon Road, portions of the ground plane of the south west field parcel and the upper portions of mature vegetation and electricity pylons within the Site from sections of this route. Following the development of the Site, views will primarily be to the existing vegetation lining East Claydon Road, the upper portions of the proposed Substation and the proposed construction access seen in the context of the existing energy infrastructure within and adjacent to the Site. Views of the Greener Grid Park compound are anticipated to be extremely limited or are not available from this route due to the intervening mature vegetation. Any views of the built form within the Greener Grid Park compound are anticipated to reduce over time as the proposed planting matures.	Low / Medium	Low / Medium	Low / Medium	Minor / Localised / Long Term	Low	Construction	Minor Adverse to Negligible
							Year 1	Minor Adverse to Negligible
							Year 10	Negligible
Users of Verney Road	There is a partial glimpsed views of the Site including the upper portions of mature vegetation within the Site and the ground plane of the north east field parcel seen through a gap in the mature vegetation lining this route. Following the development of the Site, there will be glimpsed views through this gap in the existing vegetation to the east portion of the Greener Grid Park compound and new plating to the north of the compound. Views of the built form within the Greener Grid Park compound are anticipated to reduce over time as the proposed planting matures.	Low / Medium	Low / Medium	Low / Medium	Negligible / Localised / Long Term	Negligible	Construction	Negligible
							Year 1	Negligible
							Year 10	Negligible
Users of Church Way	Views of the development proposals within the Site including the Greener Grid Park compound are anticipated to be truncated from this location due to the layers of intervening mature vegetation.	Low / Medium	Low / Medium	Low / Medium	None / Localised / Long Term	Negligible	Construction	Negligible
							Year 1	Negligible
							Year 10	Negligible



# APPENDIX D1 – LVIA SUPPORTING FIGURES AND TABLES

Table D3 - Assessment of Visual Receptors (continued)								
Visual Receptor(s)	Description of visual effect	Value	Susceptibility	Sensitivity of receptor to change	Magnitude of effect		Overall significance of effect	
					Size/ scale, geographic extent and duration	Overall magnitude		
Employees at their Place of Work								
Replacement Substation	Views of the development proposals within the Site including the Greener Grid Park compound are anticipated to be limited from this location due to the layers of intervening mature vegetation.	Low / Medium	Low / Medium	Low / Medium	Negligible / Localised / Long Term	Negligible	Construction	Negligible
							Year 1	Negligible
							Year 10	Negligible