

# PELHAM SPRING SOLAR FARM ENVIRONMENTAL STATEMENT TECHNICAL APPENDICES <u>APPENDIX 6.5 – DETAILED VISUAL ASSESSMENT</u>

On behalf of Low Carbon Solar Park 6 Limited

Date: December 2022



## Document Management.

Version	Date	Author	Checked/ Approved by:	Reason for revision

Viewpoint 1						
Public Bridlewa	y 39-39, bet	ween East End and	the site, looking north east to east.			
Receptor Type	eptor Type Value of View Receptor Sensitivity Distance to the Applica			e Application Site		
Recreational receptors	Medium	High	High	209 m		
the Application Si the existing Stock available panoran Site and the med	te. Views are king Pelham S na. The comb ium to long ra intal gap in th	foreshortened by the substation is partially ination of the rising la ange landscape. In vie e field hedgerow exte	eway 39-39, near Maggot's End Road, as one leaves the enclosed landscape are gently rising topography that forms the foreground and falls outside of the App visible above the tree canopies. The large scale electricity pylons dominate the ndform, crop being present in the foreground, and intervening hedgerow and h ws to the east, Battle's Wood is identifiable in the distance over the field hedge nd two fields deep only; the roadside hedge along Maggot's End Road is visible	lication Site. In vi view and affect th edgerow trees scr row H13. Views to	ews to the north, e majority of the reen the Application o the south,	
Predicted Visua	l Impacts of	Proposed Develop	nent			
Description of P	Predicted Vie	ew / Change		Magnitude of Change	Nature and Significance of Effect	
Public Bridleway 3 Development Zon	ne constructio 39-39. As the ne 5 would be	work progresses mov come visible, seen in t	visible or evident from this particular viewpoint, and indeed this section of ement, human presence, and activities along the western most edge of the the context of the overhead power lines and the electricity substation. This w magnitude of change with temporary moderate adverse effects.	Low	Moderate	
in the immediate 57, and marks th to changes in leve that the western height of the prop seen in isolation, be seen in a relat Pelham Substatio	y hedgerows foreground) r e western edg els and the cr edge of the P posed solar m enclosed by t ively close pro n and large so	mark the alignment of ge of the Development op (broad beans at ap roposed Development odules, and relatively the nearby tree vegeta oximity and across mu cale high voltage pyloo	e middle ground (H13, Group G33, T46, and T47, to the left of the pylon seen Public Bridleway 39-39. The Bridleway continues north as Public Bridleway 5- Zone 5. The interior of the Development Zone 5, however, is not visible due prox. 40-50cm height) being present at the time of site visit. It is predicted , within the Development Zone 5 only, would be evident due to the proximity, open albeit short range views to the north east. The panels would be largely tion and hedgerows, and with little landscape context, although they would uch of the view. The existing energy related infrastructure: the Stocking hs act to mitigate the change to a degree with the ruralness of the view change is assessed as medium at Year 1.	Medium	Major	

## Appendix 6.5 Detailed Viewpoint Assessment

Viewpoint 1		
Residual Effects:	Low	Moderate
It is envisaged that with the successful establishment of the proposed mitigation planting, the magnitude of change would diminish to low at Year 5 in winter months. It is envisaged that the proposed hedgerow would be managed at 3m in height when mature with small scale trees allowed to develop into standard hedgerow trees. Their canopies would add to the well treed character of the view, increasing the screening around the Application Site, and deflecting the attention from the large scale pylons. It is predicted that at year 10, the magnitude of change would diminish to negligible on the basis that the Proposed Development would not be visible and the mature planting is wholly in keeping with the local landscape. No other part of the Proposed Development would be visible.		

Viewpoint 2					
Public Bridlewa	y 5-57, sout	h western corner of	the site, looking north to east		
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the A	pplication Site
Recreational receptors	Medium	High	High	3 m	
prove lack of inte encloses the land	r-visibility wit scape to the v ted edge of S	h the landscape to the west, tree planting arc leepy Hollow and High	ate the open views across the Development Zone 5, illustrate the sequent e north and east. Views are relatively open, but short range, and terminat und the Stocking Pelham Electricity Substation to the north west, the woo fields to the north. Views north east and east terminate on the heavily ve	e on the nearby wood oded pastures of Park	lland belt that Green Open Access
Predicted Visua	l Impacts of	Proposed Developn	nent		
Description of P	redicted Vie	w / Change		Magnitude of Change	Nature and Significance of Effect
	gain very clos ained from the	e northern section of t	ws of the construction work across the Development Zone 5. Similar his Public Bridleway 5-57. The magnitude of change is considered to be	High	Major
east, changing th the introduced inf Development Zon wider landscape of gained through of	velopment wo e character an rastructure an e 5, and large generally not v r over the field	nd nature of view. The nd the sense of openn ely to its western edge visible, except for the	ely in the foreground and across the panorama looking north east and tree vegetation seen in the background would be partially screened by ess would be locally reduced. Views would be limited to the only. The introduced infrastructure would be seen in isolation with the very restricted and short range views to the south and south west, At Year 1 the proposed planting would be ineffective, and the major adverse.	High	Major
to a considerable located some 30 would not exert s Substation and la infrastructure wo some of the solar canopies and stro	d mitigation p degree. It is a m away at the trong visual ir rge scale high uld be perceiv modules or C ngly linear ali	anticipated that the m eir closest point and th nfluence, even in winto n voltage pylons act to red in direct context w CCTV to be identifiable ignment of the new he	ed, views of the Proposed Development would be screened or restricted agnitude of change would reduce to low at Year 5. The panels would be be modules, fencing, and CCTV cameras are unlikely to be evident or er, given the context. The influence of the existing Stocking Pelham detract from the ruralness of the view and its openness; the introduced ith this existing large scale infrastructure. Whilst there is potential for through the maturing hedgerow in winter months, the introduced tree edgerow would deflect the focus and direct the eye along the PRoW to cation Site. It is expected that at Year 10 the degree of change would	Low	Moderate

Viewpoint 2	
diminish to negligible with the landscape appearing as strongly compartmentalised, with a strong line of hedgerow and	
hedgerow trees screening the Proposed Development completely. The maturing trees, located along the western edge of the	
Proposed Development would also serve to reduce the visibility of the large scale pylons located to the north east. No other	
part of the Proposed Development would be visible.	

Viewpoint 3	Viewpoint 3						
Public Bridleway	y 5-57, nort	h west of the site at	Park Green, looking south to south east.				
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the Ap	plication Site		
Recreational receptors	Medium	High	High	224 m			
part of the Applica views are medium screens views to t to the view and a	ation Site can to long rang the east, and ppreciation of the south eas	be gained. A gap in the be, but the distant land hamlet is not visible. T the local landscape is t. The eye travels sout	one specific point along the edge of Park Green Open Access Land where the field boundary vegetation allows for views east and south. Due to the scape is obscured by the layering effect of various tree canopies. The hea "he more distant wooded landscape in the eastern study area appears ab greatly reduced with no particular features being evident or visible. Pum h and south west with the landscape gently sloping south and revealing n	relative elevation (appr avily treed edge of Bric ove the tree canopies b p Spring wood is easily	ox. 123m AOD) k House End largely out its contribution identifiable and		
Predicted Visua	Impacts of	Proposed Developm	ent				
Description of P	redicted Vie	w / Change		Magnitude of Change	Nature and Significance of Effect		
seen in this very i major adverse eff	gain close ran restricted and ects. The rem	heavily framed view. haining edge of Park Gr	the construction work across the majority of the Development Zone 5 The magnitude of change is considered to be high with temporary een is screened, and views are unavailable or are predicted to be of e neutral from within the Open Access land.	High	Major		
boundary. The pro majority of the pa The edge of the p south and south v and hedgerow tre	ons, visible in oposed panels inels and scal anels would a vest. Recepto es enclosing t	s would be located app e of the Development appear as a simple line rs would be looking at the Proposed Developn	ascertain the extent of the Development Zone 5 and its northern rox. 250m away with views extending towards their northern edge. The Zone 5, however, would not be appreciated due to the sloping terrain. , following the local topography, and partly restricting views to the the back of the panels with deer fencing and newly planted hedgerow nent. At Year 1 the introduced change is considered to be high due to the proposed planting.	High	Major		
trees replacing the considered incong	anting would e solar panels ruous with vi	s in this view. Although	hange at Year 5 to low with the new maturing hedgerow and hedgerow the views would be foreshortened the proposed vegetation is not t Year 10 the degree of change would diminish further to negligible. No ible.	Low	Moderate		

Viewpoint 4						
Footpath 5-52,	near north v	vestern edge of Bri	ck House End, looking south west.			
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the Application Site		
Recreational receptors	Medium	High	High	141 m		
and focused on the the Stocking Pelh gentle change in	e field visible am Electricity levels with its	e in the foreground wi Substation form a fe boundary vegetation	Brick House End, before the receptors enter the well treed and enclosed vill th the strong landscape framework around screening views out. The large ature, detracting from the ruralness of the view. The southern part of the screening views further south west.	scale electricity pylo	ns and upper part of	
Predicted Visua Description of P	-	Proposed Develop ew / Change	ment	Magnitude of Change	Nature and Significance of Effect	
	gain close ran		of the construction work across the majority of the Development Zone 5. ith temporary major adverse effects.	High	Major	
Zone 5 is visible. the Development the introduced pa	aphical profil The Proposed Zone 5 likely nels, which w	Development would to screen the rest of	rable field the majority of land site associated with the Development introduce a new feature into this landscape with the northern edge of the infrastructure. The new hedgerow and trees would physically enclose e back, and would appear dark and recessive in this view. Due to the t Year 1.	High	Major	
the proposed veg of the local lands	d mitigation p etation substa cape. At Year ne local landso	antially screening vie 10, it is predicted that cape, with the magnit	, at Year 5, the magnitude of change is predicted to diminish to low with ws of the Proposed Development and adding to the well treed character at the maturing hedgerow and hedgerow tress would read as being an ude of change diminishing to negligible. No other part of the Proposed	Low	Moderate	

#### **Viewpoint 5**

#### Maggots End Road / Public Bridleway 39-11 looking north to east

Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the Application Site
Recreational receptors	Medium	High	High	285 m
Road users	Medium	Medium	Medium	

#### Existing View:

This viewpoint is located along the elevated section of Maggot's End Road and coincides with the northern end of Public Bridleway 39-11. It is one of the first locations along this road, and indeed in the south western part of the study area, where less restricted views of the Application Site can be gained. Views to the north include the nearby Stocking Pelham Substation with large scale electricity pylons crossing the landscape. The south facing slope, visible through the nearby tree canopies, forms the Development Zone 5. The vegetation along Public Bridleway 39-39 (H13, Group G33, T46, and T47), seen to the left of the view – refer to Viewpoint 1, helps identify the extent of the Development Zone 5 with its southern edge marked by H13, numerous isolated trees including groups G6 – G8. The horizon is wooded; the settlement of Stocking Pelham and Berden are not visible. A water tower, located to the east of the Stocking Pelham Substation, is visible amongst the tree canopies. Views to the north east and east include Pump Spring and Battle's Wood. A small cluster of properties, identified as Battle's Hall Barns, is visible in the distance, partially screened by the roadside hedgerow. The landscape in the eastern study area is distant, appears vegetated, and lacks any evident or easily recognisable features.

Predicted Visual Impacts of Proposed Development		
Description of Predicted View / Change	Magnitude of Change	Nature and Significance of Effect
Construction Phase:	Low	Moderate
Receptors would gain close range and direct views of the construction work across the majority of the Development Zone 5,		(PRoW users)
particularly its western part which is slightly more elevated when compared with the land near Pump Spring wood. Given the intervening vegetation and glimpsed nature of views, the magnitude of change is considered to be low with temporary moderate adverse effects upon the PRoW users and minor adverse at most upon the road users.	Low	Minor (road users)
<b>Operational Phase:</b> The majority of the Proposed Development would not be visible from this viewpoint and indeed this section of the road. Pump Spring wood screens the Development Zones 1 – 3 and Development Zone 6. The majority of the Development Zone 4 would also be largely screened, albeit its eastern most part near Battle's Wood, may be potentially visible as the land rises towards the woodland. Trees along Maggot's End Road would interrupt the views and the influence of the Development Zone 4 would be very limited even in winter month. As part of the iterative design process carried out in 2021 the land between	Medium	Major (PRoW users)

Viewpoint 5		
Pump Spring wood, Maggot's End Road, and Battle's Hall was removed from the development. A buffer along Battle's Wood is also being proposed, which covers the higher ground, and acts as a physical and visual buffer free from development.	Low	Minor (road users)
Receptors are likely to gain views of the Development Zone 5 only with the panels, deer fencing and CCTV identifiable against the backdrop of trees lining the horizon, and framed by Pump Spring wood to the east/ right ( <b>Figure 6.6</b> Photomontage). The mitigation planting proposed along the southern edge of the Development Zone 5 would include small scale hedgerow trees, which in combination with the retained existing hedgerow trees, would help filter views even at Year 1. The low lying topography across the southern part of the Development Zone 5 helps reduce the visibility of the introduced infrastructure, and preserve the view of the higher ground. Whilst the solar modules within the Development Zone 5 would be visible, the existing Stocking Pelham Substation and large scale pylons reduce the degree of perceived change. This particular part of the local landscape is characterised by the presence of large scale energy related infrastructure and therefore differs from the rest of the surrounding landscape, where such features are absent or less evident. For that reason, the magnitude of change is assessed as medium for the PRoW users and low for road users.		(roud users)
Residual Effects:	Low	Moderate
It is envisaged that with the successful establishment of the proposed mitigation measures, with the enhanced hedgerow		(PRoW users)
assumed to be managed at 3m in height when mature, and trees developing to form an almost continuous canopy cover along the southern edge of the Development Zone 5, the magnitude of change would diminish for the PRoW users to low at Year 5 and negligible at Year 10 in winter months, given the context. With regards the road users, the degree of change at Year 5 would be negligible, given the oblique to very oblique and transitory nature of views.	Negligible	Negligible (road users)

Viewpoint 6					
Public Footpath 5-15, south of Brick House End, looking east to south.					
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the App	plication Site
Recreational receptors	Medium	High	High	126 m	
from this Public Fo Spring and associa hedgerow trees se	<b>Existing View:</b> This view illustrates the visual and physical separation between the Application Site and the nearby Public Footpath 5-15 that leads south from Brick End House. Views from this Public Footpath are strongly enclosed and inward looking, with views largely terminating on the immediate field boundary hedgerows and tree belts. Pump Spring and associated belt of trees terminate views south and south east. Views to the east are heavily filtered by the intervening mature and tall field hedgerow and hedgerow trees seen in very close proximity. The landscape gently rises to the east and the higher ground is marked by Battle's Wood, but the more distant eastern part of the study area is not visible. There are no other features visible in this view.				
Predicted Visual	Impacts of	Proposed Developm	ent		
Description of P	redicted View	w / Change		Magnitude of Change	Nature and Significance of Effect
4. Whilst views an create a directing	jain close rang e restricted ai feature poten	nd heavily filtered, due	of the construction work across the majority of the Development Zone to the proximity, the movement across the Application Site would n of the high sensitivity receptors. The magnitude of change is se effects.	Medium	Major
views of a relative located on the slo modules were om side of the panora <b>Figure 5.5</b> repres height) marks the The iterative desig remain open and proposed infrastru nearby hedgerow, pastoral field, stro substation and sol this part of the Pro- reduction in the ex-	e Proposed De ly small area ping ground s itted from the ma; and the sents an indica western edge in ensured tha undeveloped, incture and this would remain ong landscape lar modules w oposed Develo-	of the proposed solar i een below Battle's Woo low lying field closest slightly elevated groun ative southern most ed e of the Development 2 at part of the sloping s in order to help retain s viewpoint. Therefore, n unchanged with the r framework around, ar ithin the Development opment would not be v roposed solar modules	be visible from this viewpoint. Receptors would gain heavily filtered modules and associated infrastructure within the Development Zone 4, od. As part of the iterative design process, part of the proposed solar to this viewpoint – around the bottom of the pylon on the left hand d seen to the right of Battle's Wood – the dashed yellow line shown on ge of the Development Zone 4. The low lying Hedgerow H4 (3m in Zone 4. lightly elevated ground near Battle's Wood and the foreground would a sense of openness and increase the physical buffer between the the foreground and much of the middle ground, seen behind the receptors' visual amenity continuing to be influenced by the open d views of the pylons. Views to the south, towards the proposed Zone 1 and 6, would be screened by the intervening mature trees, and isible. The magnitude of change is assessed as low at Year 1, given the , increased distance between the receptor and proposed infrastructure JTT/21/3356/FUL, and based on the currently proposed planting.	Low	Moderate

## Appendix 6.5 Detailed Viewpoint Assessment

Viewpoint 6		
Residual Effects:	Negligible	Negligible
Once the mitigation measures have been implemented, it is anticipated that the magnitude of change would diminish to negligible at Year 5.		

Viewpoint 7							
Public Footpath	Public Footpath 5-14, eastern edge of Brick House End, looking north to south east.						
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the A	pplication Site		
Recreational receptors	Medium	High	High	138 m			
<b>Existing View:</b> This location illustrates views as one leaves the heavily enclosed hamlet of Brick House End and travels south east towards Maggot's End. The surrounding landscape is low lying and enclosed by a gently undulating topography and tree vegetation to the north and east. The western edge of the Development Zone 3 is marked by a mature and tall hedgerow, which links with the tree vegetation around The Crump (outside the view). Blaking's Lane can be easily identified on the horizon to the north and north east, with the associated dense tree and understorey vegetation extending towards Battle's Wood, seen to the east. There is evident lack of any inter-visibility between the Application Site and the wider landscape further north and east. Views to the south east terminate on the gently rising ground beyond the Development Zone 4, with some of the properties in Maggot's End visible on the horizon.							
Predicted Visual	Impacts of	Proposed Developm	ent				
Description of P	redicted View	w / Change		Magnitude of Change	Nature and Significance of Effect		
	gain very close	vs of the construction work across the Development Zones 2 - 4. The mporary major adverse effects.	High	Major			
tree vegetation al immediate environ higher ground in t physical buffer to tall, albeit gappy i height) would pro field, located behi benefits from the of the field, with v undeveloped, to k effects. The genth of the large scale shown at Figure 6 2 and 4, as no ph The majority of th levels, and lack on	location would ong Blaking's ns, with no with the northern n Blaking's Land in places, line vide a visual the nd hedgerow existing veget views gained to over the influe y sloping grou pylons would 5.5, indicate the otomontages ne visible pane r limited interv	Lane would physically der landscape context, nost part of the eastern e and reducing the per of vegetation that man puffer, with the propose H6, would include sola tative screening and put hrough the hedgerow ence of the proposed in nd located to the right be also left undevelop- be approximate southe have been prepared for als seen against Battle'	posed solar panels and associated infrastructure. Battle's Wood and and visually curtail the influence of the Proposed Development to the . The currently proposed refined layout omits the solar modules on the n parcel – north of the Development Zone 3, providing an increased ceived massing of the scheme in views to the north east. The relatively rks the low lying eastern edge of the Development Zone 2 (H6, 6m in ed planting reinforcing its function and screening effects. The low lying r modules but only in its northern part - Development Zone 2, which rovides opportunities for further mitigation planting. The southern part visible in the foreground, is now being proposed to remain open and infrastructure upon the nearby visual receptors and reduce the adverse of the view, i.e., south west of Battle's Wood and seen in the context ed – change from the previously proposed layout. Dashed yellow lines, rn extent of the Proposed Development within the Development Zones r this particular viewpoint. s Wood would be easily identifiable due to the proximity, change in ration in this particular direction of view. The magnitude of change at nost of Viewpoint 7A), however, would be heavily filtered by the	High	Major		

## Appendix 6.5 Detailed Viewpoint Assessment

Viewpoint 7		
existing boundary hedgerow. The existing vegetation provides a considerable screening and illustrates how mitigation measures can successfully reduce the anticipated scale of effects at this location.		
<b>Residual Effects:</b> The magnitude of change would reduce to low at Year 5 – based on the conservative view that tree canopies would not have developed sufficiently to screen the site completely. At Year 10, the effects upon the PRoW users are expected to diminish to negligible neutral.	Low	Moderate

Viewpoint 8						
Minor road leading south to Brick House End, near The Crump, looking south east to south.						
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the A	pplication Site	
Road users	Medium	Medium	Medium	121 m		
study area wh (approx. 10m to the south.	has been purpo here views towa wide) allows f Battle's Wood a ind or Maggot's	ards the Application Sit or some restricted viev and tree vegetation alo	ate views from the north west of Development Zone 3 and near The Crump e can be gained. The viewpoint is positioned at a field entrance, where a ga is towards the Application Site. The roadside hedgerow (road leading to Bri ng Blaking's Lane form a well wooded/ treed horizon and views are short to view. The Crump is separated and largely screened by its garden vegetatio	ap in the mature road ck House End) enclos o medium range. Nor	Iside hedgerow ses and screens view he of the properties in	
Predicted Vi	sual Impacts	of Proposed Develop	oment			
Description	of Predicted \	/iew / Change		Magnitude of Change	Nature and Significance of Effect	
Development	uld gain very c	hrough the boundary h	restricted and filtered views of the construction work across the nedgerow H9 (8m in height). The magnitude of change is considered to be	Low	Minor	
trees (H9, 8m due to being a Development receptors wou solar modules The remaining	stern boundary n in height), wh a dormant seas Zone 3 with so Ild gain glimps s would appear g part the Prop	nich collectively create son, and traveling rece blar modules partially v ed and oblique views, a dark and recessive, vis osed Development woo	one 3 is marked by a mature and tall hedgerow with developing hedgerow a strong and dense visual barrier. Some inter-visibility does exist, mostly otors would gain glimpsed and very restricted views into the interior of the isible in the view ( <b>Figure 6.6</b> Photomontage). It is important to note that and would be looking at the back of the panels. Therefore, the proposed sually merging with the dark browns and greys of the winter landscape. If be screened and views from this location would be gained in transition. If 1, as a worst case scenario.	Low	Minor	
The magnitude of change is assessed as low at Year 1, as a worst case scenario. Residual Effects: The visual effects are expected to diminish to negligible at Year 5 once the mitigation planting has matured. No other part of the Proposed Development would be visible.					Negligible	

Viewpoint 9					
Blaking's Lane, Public Footpath 5-12, looking south west.					
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the A	pplication Site
Recreational receptors	Medium	High	High	9 m	
vegetation. In oth in winter months. its undeveloped r intervening veget also enclosed; wh gained simultane	ner words, the Views are structure orthern most ation, except here Blaking's ously with the	ere are no views of the rongly interrupted and part forming a buffer for the very restricted Lane joins Public Foo e Application Site.	physical and visual enclosure with views out very restricted and only gain e Application Site from this Lane, and the associated Public Footpath 5-12 I the arable field adjacent to the Lane forms the northern part of the Appl to The Crump. None of the features or built form in the surrounding lands I views of No.1 and No.2 Brick House End Cottages and Great Mimms gain tpath 5-50 restricted views to the north east and towards the low lying Lit	, that would be clear ication Site – its Devi scape can be easily io ned from the PRoW.	or unrestricted even elopment Zone 3 and lentified due to the /iews north east are
Predicted Visua	l Impacts of	Proposed Developr	nent	1	
Description of P	Predicted Vie	ew / Change		Magnitude of Change	Nature and Significance of Effect
<b>Construction Ph</b>	ase:			High	Major
Development Zon	ne 3, seen thr	e range but heavily re ough the vegetation a nigh with temporary m	estricted and filtered views of the construction work across the ssociated with Blaking's Lane G29 (3m-18m in height). The magnitude ajor adverse effects.		
left undeveloped. in the buffer bein particular location tree and understo high at Year 1, as	erably interrup The design w g increased, p n, however, w prey vegetations the receptor	vork carried out in July particularly along the ould remain very clos on. Due to the proxim s would be subject to	ncludes a considerable physical buffer to Blaking's Lane, which would be v 2022, following the pre-application feedback from the Council, resulted western section of Blaking's Lane near The Crump. Views from this e range with the receptors looking at the back of the panels through the ity to the Development Zone 3 the magnitude of change is assessed as very restricted, yet prolonged views of the panels and perimeter fencing osed Development are unlikely to be visible.	High	Major
Residual Effects	; ;;	•		Low	Moderate
magnitude of cha enclosing the PRo	nge could pot W and Lane f	entially diminish to lo	e vegetation along Blaking's Lane, and it is anticipated that at Year 5 the w with the maturing understorey woodland vegetation and tree canopies nen the introduced mitigation planting has matured, it is anticipated that		

Viewpoint 10					
Public Footpath	39-4, near B	attle's Hall, looking	south west to north west.		
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the Ap	plication Site
Recreational receptors	Medium	High	High	0 m	
to the south east, screening with vie Public Footpath 39 height). This view in the middle grou occasional trees a track, but the Sto horizon which enc	This location has been positioned along an agricultural track and Public Footpath 39-4 which leads along the southern edge of the Application Site. Battle's Hall, located to the south east, is enclosed by a relatively tall brick garden wall and its garden vegetation with the neighbouring Battle's Hall Barns also benefitting from vegetative screening with views heavily interrupted. Therefore, views from Public Footpath 39-37, which skirts the edge of Battle's Hall, have not been considered as informative. Public Footpath 39-4 follows an agricultural track, with vegetation gappy in places, but increasingly dense and tall along its western section (hedgerows H1 – H3, 2m in height). This viewpoint illustrates views from its eastern edge where gaps in the hedgerow line are more evident. Maggot's End Road can be identified to the south west, in the middle ground, and is marked by seldom growing trees. The road follows the undulating and rising landscape with the horizon elevated and relatively simple, with occasional trees and electricity pylons forming a feature on the skyline. Views due west are very restricted by the hedgerow and tree vegetation associated with this track, but the Stocking Pelham Substation is visible in the distance just above the tree vegetation. Views north west are medium range and terminate on the wooded horizon which encloses the hamlet of Brick House End. The undulating topography is very evident with views north restricted by the rising arable field, and this higher ground is marked by Battle's Wood. Large scale electricity pylons mark this higher ground and interrupt the landscape pattern, exerting a considerable negative				
Predicted Visua	Impacts of	Proposed Developm	ent		
Description of P	redicted View	w / Change		Magnitude of Change	Nature and Significance of Effect
construction comp	gain very close bound and con		is of the construction work across the Development Zone 4 with the ad immediately to the north of this PRoW. The magnitude of change is effects.	High	Major
Hall and Maggot's Viewpoint 10A is e gained south and and open. This wo direction of view. the layout of the l the Proposed Dev proposed layout to PRoW. Therefore, away at its closes the middle ground	ative design c End Road. In excluded from south west at ould help prese As explained o Proposed Deve elopment, tha o limit the visi the southern t point with th d at panorama	other words, the land the development. This this location would rereve the ruralness of the erve the ruralness of the elsewhere in this LVIA, elopment was subject to t closest to Public Foot bility of the proposed is most edge of the develop 10B. The gently rising	e Proposed Development was re-designed to provide a buffer to Battle's between this PRoW and Maggot's End Road, seen in the panorama s mitigation measure ensures that the character and nature of views main largely unchanged and the visible land would remain undeveloped he landscape and sense of openness, as perceived in this particular following the pre-application advice from the Council in June 2022, to further revisions. As part of this process, the southern most part of cpath 39-4 and this Viewpoint 10, was omitted from the currently infrastructure and reduce the negative influence over the users of this elopable area has moved further away from this PRoW, some 150m ment Zone 4 being located in front of the large scale pylon visible in g landform would partially screen the remaining part of the Proposed oped with additional hedgerow and tree planting proposed along this	Medium	Major

Viewpoint 10		
Public Footpath 39-4 to further protect the visual amenity of the associated receptors. Other parts of the Proposed Development, its low lying areas - the Development Zone 2 and the northern most part - the Development Zone 3 would not be visible due to the change in levels. The western part of the Proposed Development - Development Zones 1, 5, and 6 would be screened by Pump Spring wood. The proposed modules would appear as a relatively simple linear form that follows the local topography with views limited to the edge of the Proposed Development. The scale and massing of the overall scheme would not be percpetible, and receptors would continue to gain views of the distant woodlands, tree canopies, with the foreground left undeveloped. The nearby large scale pylons and substation at Stocking Pelham provide context and act to reduce the degree of change. This coupled with the increased buffer, proposed mitigation planting including trees, and retained sense of openness in views to the north west and north, results in the magnitude of change being assessed as medium at Year 1.		
<b>Residual Effects:</b> As explained in the previous sections of this LVIA the iterative design process and proposed extensive mitigation measures have been developed to reduce the anticipated degree of change. Once the proposed mitigation measures have established and matured, it is anticipated that the magnitude of change could reduce to low at Year 5, and negligible at Year 10.	Low	Moderate

Viewpoint 11					
Maggots End Ro	oad / Public	Footpath 39-7 looki	ng north west to south east.		
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the Ap	pplication Site
Recreational receptors	Medium	High	High	315 m	
Road users	Medium	Medium	Medium		
illustrate lack of c Views to the west and Pump Spring evidence how mir follow a shallow f higher ground an buffer between th blocks of woodlan	connectivity w terminate or woodland pre- nute changes old in the land d enclose the ne road and the nd/tree belts.	with the wider landscap in the gently rising and event from gaining vie in levels and vegetation dscape drained by field Application Site to the ne Application Site. The Battle's Hall and Battle	laggot's End Road to illustrate the enclosed character of the local landscape. It also coincides with Public Footpath 39-7, which leads north towards smooth horizon punctuated by trees and electricity pylons. Blocks of woo we north west towards the settlement of Stocking Pelham. The Stocking Pon can serve to successfully screen large scale infrastructure. Views are she ditches, enclosed by the rising landform to the north and north east. Blace north and north east. The foreground comprises large scale arable fields are remaining part of the Application Site is separated by tree vegetation, <b>and the set of the east and are enclosed by tree vegetation</b> , <b>and the set of the east and are enclosed by tree vegetation</b> .	the Application Site ar dland, seen behind the elham Substation is s nort to medium range. king's Lane and Battle , removed from the de poundary hedgerows, l	nd Brick House End. e rising foreground, creened giving the Views to the north e's Wood mark this evelopment to form a hedgerow trees, and
	-	Proposed Developn	nent	1	
Description of P	redicted Vie	ew / Change		Magnitude of Change	Nature and Significance of Effect
with potential vie	gain close ran ws of the mov	vement associated wit	filtered views of the construction work across the Development Zone 4 n the Development Zone 1. Vehicle movement would be interrupted by of the Application Site and coincides with Public Footpath 39-4	Medium	Major (PRoW users)
(hedgerows H1 – H3, 2m in height). The upper parts of plant, cranes, and vehicles are likely to be visible. The magnitude of Low Minor			Minor (road users)		
<b>Operational Phase:</b> The proposed solar modules, associated with the Development Zone 2 and Development Zone 4 would be located over 500m away, behind the vegetated Public Footpath 39-4 visible in the background. Given the presence and height of the intervening vegetation, and change in levels, it is predicted that views of the solar modules located on the higher ground near Battle's		Low	Moderate (PRoW users)		
Footpath 39-7, th	e low lying so he Developm	plar modules along the	ited to their upper most parts only. In views north, along Public western edge of the Development Zone 2 and those located in the o be visible in a relatively narrow angle of view, enclosed by hedgerows	Low	Minor (road users)

Viewpoint 11		
The focus of the receptors would be on the undeveloped foreground back clothed by blocks of woodland and hedgerow trees. The appreciation of the surrounding open countryside and vernacular architecture such as Battle's Hall would be retained. The increased offset from the vegetated Public Footpath 39-4 serves to reduce the inter-visibility. On that basis, the magnitude of change is assessed as low at Year 1 for the PRoW and road users.		
Residual Effects:	Negligible	Negligible
Once the proposed mitigation measures have matured, with the hedgerow managed at approx. 3m in height and the trees creating a dense canopy cover, the effects are expected to diminish to negligible at Year 5.		

Viewpoint 12					
Public Footpath	39-8, south	of Maggots End Ro	ad, looking north.		
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the A	pplication Site
Recreational receptors	Medium	High	High	590 m	
perceptible with t vegetation along	he <mark>l</mark> andscape Blaking's Lane	rising to the left and i e is almost completely	and is of similar direction of view and character. The shallow and enclose right, enclosing the view. Pump Spring woodland and hedgerow trees tern v screened by the landform. Battle's Wood is seen to the right of the view nd Battle's Hall Barns are screened by intervening hedgerows.	ninate the views to th	ne west. The
Predicted Visua	l Impacts of	Proposed Develop	nent		
Description of P	redicted Vie	w / Change		Magnitude of Change	Nature and Significance of Effect
Development Zon southern edge of	gain medium le 4 only. Veh the Applicatio	icle movement would on Site and coincides v	nd heavily filtered views of the construction work across the be partially interrupted by the vegetated lane, which marks the vith Public Footpath 39-4 (hedgerows H1 – H3, 2m in height). The mporary moderate adverse effects.	Low	Moderate
Views into the sou The surrounding F enclosure around Receptors may ga height) associated and linear elemen the design change substantially dimi scale pylon visible Proposed Develop	erior of the Ap uth eastern co Pump Spring v the Applicatic in views of th d with the afo t, following th es implement nished. The P to the right oment with the	orner of the Developm woodland, Battle's Wo on Site, and the major ne southern most edge rementioned Public Fo ne horizontal pattern ed in July 2022, the p proposed Development of the view and near l e land further to the r	gely unavailable, being screened by the vegetated Public Footpath 39-4. eent Zone 4 may be gained through a gap in the boundary vegetation. od, internal hedgerows and hedgerow trees provide a strong sense of ity of the Proposed Development would not be visible or evident. e of the Development Zone 4, seen over the hedgerows (H1 – H3, 2m in botpath 39-4. The upper parts of the modules would appear as a simple of field hedgerows. Due to the distance over 700m, increased as part of erception of the mass and scale of the proposed solar modules would be t would not introduce any verticality or visual competition. The large Battle's Wood, marks the approximate south eastern edge of the ight left undeveloped. Whilst the visibility of the Proposed Development the magnitude of change is assessed as low at Year 1.	Low	Moderate
<b>Residual Effects</b> At Year 5 the effe Development.	-	uce to negligible with	the proposed planting almost completely screening the Proposed	Negligible	Negligible

Viewpoint 13	Viewpoint 13						
Public Bridleway	y 39-12 and	39-5, south of Battle	e's Hall, looking north west to north east				
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the Ap	plication Site		
Recreational receptors	Medium	High	High	572 m			
2m high hedgerov and indeed the so woodland and gen with the Stocking	<b>Existing View:</b> Viewpoint 13 is located along PRoW 39-12 / 39-5, in close proximity to the previously assessed Viewpoint 12 and sits some 6m higher at approx. 104m AOD. An approx. 2m high hedgerow forms the southern edge to the PRoW and, coupled with the undulating landform, separates the Application Site from Manuden and Mallows Green, and indeed the southern and south eastern study area. Similarly to Viewpoint 12, the Application Site appears in this view as an enclosed parcel of land with blocks of woodland and gently rising landscape to the west and east separating it from the wider landscape. Views west and north west terminate on the medium range horizon with the Stocking Pelham Substation visible amongst the tree canopies. Views east terminate on the close range rising horizon with hedgerows and trees, and there is evident lack of any visual connectivity with the more distant landscape to the east.						
Predicted Visual	Impacts of	Proposed Developm	ent				
Description of P	redicted View	w / Change		Magnitude of Change	Nature and Significance of Effect		
Zone 4 only. Vehi 39-4 and marks t	jain medium r cle movement ne southern e	would be partially inte	eavily filtered views of the construction work across the Development errupted by the vegetated lane, which coincides with Public Footpath Site (hedgerows H1 – H3, 2m in height). The magnitude of change is se effects.	Low	Moderate		
<b>Operational Phase:</b> Receptors at this location would gain a similar view to that assessed at Viewpoint 12, although it would be slightly more elevated. Despite the increase in elevation, views into the interior of the Development Zone 4 would be very restricted and the appreciation of the proposed solar modules would be very limited. Some of the solar modules located along the southern edge of the Development Zone 4 would appear above the vegetated Public Footpath 39-4, but at the distance of approx. 820m they would form a very small component to the view and would not attract attention. The scale and massing of the solar modules in the Development Zone 4 would not be apparent, being reduced by the distance, with the intervening vegetation interrupting the views. No other parts of the Proposed Development would be visible. The magnitude of change is assessed as low at Year 1.				Low	Moderate		
<b>Residual Effects</b> Once the mitigation	-	nave matured, howeve	r, this is likely to reduce to negligible at Year 5.	Negligible	Negligible		

Viewpoint 14					
Minor road lead	ing to Mallo	ws Green/ Public E	ridleway 39-12, looking north.		
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the A	Application Site
Recreational receptors	Medium	High	High	1,079 km	
Road users	Medium	Medium	Medium		
along this Public I visible.	Bridleway 39-		and and Battle's Wood. The water tower and the Stocking Pelham Substati e Application Site also include Battle's Hall; the distant landscape in the no ment		
Predicted Visua Description of P	•	• •	ment	Magnitude of Change	Nature and Significance of Effect
Construction Ph	ase:			Low	Moderate
Receptors would gain distant, restricted, and heavily filtered views of the construction work across the Development Zone 4 only, seen in the context of Battle's Wood and large scale pylons. Vehicle movement would be identifiable and activities within the construction compound are also likely to be perceptible. Due to the slightly elevated position of this viewpoint, the			(PRoW users)		
		Negligible	Negligible (road users)		

Viewpoint 14		
<b>Operational Phase:</b> The Proposed Development would be considerably screened, even in winter months. The infrastructure proposed within the Development Zone 5, 1, and 6, and across the low lying Development Zone 2 and northern part in Development Zone 3 would not be visible at all. Based on the line of sight between this viewpoint and the large scale pylon near the south eastern corner of the Development Zone 4 it transpires that only a small area of the Development Zone 4 would be visible from this location. The proposed panels would be located to the left of Battle's Wood and nearby large scale pylon. The higher ground seen against Battle's Wood falls outside of the Application Site boundaries and would remain undeveloped. The southern edge of the Development Zone 4 would be located approximately 1.5km away and seen in a relatively narrow angle of view, interrupted by tree canopies, with the remaining part of the wide panorama unaffected. Given the distance, static nature of the Proposed Development when operational, and reduction in scale the magnitude of change is considered to be negligible at Year 1. The proposed mitigation measures were informed by the pre-application advice from the Council, with the massing and overall physical extent of the solar modules reduced to that proposed as part of the refused planning application UTT/21/3356/FUL.	Negligible	Negligible
<b>Residual Effects:</b> Based on the above the magnitude of change is considered to be negligible at Year 5.	Negligible	Negligible

Viewpoint 15						
Maggot's End	, Maggot's Ei	nd Road, looking nor	th west.			
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the Application Site		
Road users	Medium	Medium	Medium	131 m		
characterised the higher gro	as been selecte by the neatly to und and above	rimmed roadside hedge the roadside hedgerou	rom Maggot's End and can be used as a proxy view for some of the residen erows with built form and garden vegetation interrupting views towards the w, but the majority of the Application Site is screened.			
Predicted Vis	ual Impacts (	of Proposed Develop	ment	T		
Description o	f Predicted V	iew / Change		Magnitude of Change	Nature and Significance of Effect	
and activities views from the movement ma	ld theoretically within the Deve highway, as o y be identified ement associat	elopment Zone 4. In re one travels through the in views north, towarc ed with Maggot's End	range views of the movement along the nearby construction access track ality, however, such views would not be gained due to the restricted hamlet. Occasional views of the construction plant and vehicle is the access track. This, however, would be seen in the context of other Road. The magnitude of change is considered to be negligible with	Negligible	Negligible	
<b>Operational Phase:</b> Due to changes in levels, intervening built form and vegetation the Proposed Development would be almost completely screened with receptors potentially gaining glimpsed views of the upper parts of the solar modules, located in the Development Zone 4, and seen in the context of the nearby large scale pylons. The Proposed Development, if seen, would not be easy identifiable given the speed of travel, restricted and glimpsed nature of their views, and strong sese of enclosure that characterises the foreground. On that basis the magnitude of change is assessed as negligible at Year 1.				Negligible	Negligible	
Residual Effects: The magnitude of change is likely to remain negligible at Year 5.				Negligible	Negligible	

Viewpoint 16						
SUSTRANS No.1	1 / Brixton	Lane, looking west				
Receptor Type	Value of View	Receptor Susceptibility	Receptor Sensitivity	Distance to the Application Site		
Recreational receptors	Medium	High	High	783 m		
Road users	Medium	Medium	Medium			
Brixton Lane follo viewpoint offers r range landscape v Maggot's End can	ws the west f elatively unre with the landf be seen on t	acing valley slope wit stricted views toward orm rising to the wes he upper slopes, to th	the SZTV and prove the very limited inter-visibility between the Application h its alignment limiting opportunities to gain prolonged views west toward is the Application Site but is not necessarily representative. The valley of the t; the higher ground is marked by Battle's Wood. The more distant wester he left of the view. Manuden Road can be easily identified on the lower slop	s the Application Site he River Stort forms n study area is not v	e. The identified the low lying mid isible. Properties in	
Predicted Visual Impacts of Proposed Development Description of Predicted View / Change					Nature and Significance of Effect	
internal construct visible in this view this location. Whil movement along	gain medium ion track that v and based o lst movement Manuden Roa	leads west towards to on the SZTV ( <b>Figure</b> would locally increas d and Brixton Lane. I	Instruction traffic along Manuden Road, which would then follow the the developable zones. None of the development zones, however, are <b>5.4</b> ) no features or elements of approx. 3m high would be visible from the any traffic would be seen in the direct context of the vehicle for that reason, such very limited change is considered to be sidered to be negligible with temporary negligible neutral effects.	Negligible	Negligible	
<b>Operational Phase:</b> Battle's Wood and vegetation along Blaking's Lane screen the developable areas. There is evident lack of any visual connectivity between this area and the Application Site, except its construction access track. The tree canopies, visible above the brow of the hill, have been identified as Pump Spring, and prove the lack of inter-visibility with the Development Zone 5. It is worth reiterating that none of the previously described built form around the site such as Battle's Hall Barns or that in Brick End House, is visible in this view. Following the recent design changes, with the scale of the Development Zone 4 reduced, it is unlikely that the Proposed Development would be perceptible, and any introduced change would be inconsequential to the visual amenity. The magnitude of change is assessed as negligible at Year 1.					Negligible	
Residual Effects: The magnitude of change is assessed as negligible at Year 5.					Negligible	

Viewpoint No.	Value of View (Low/Medium /High)	Susceptibility (Low/Medium /High)	Sensitivity of Visual Receptor (Low/Medium/ High)	Construction Phase (short term)		Operational Phase (long term)					
				Change to View (magnitude)	Degree of Effect	Change to View (magnitude) (Year 1)	Degree of Effect (Year 1)	Change to View (magnitude) (Year 5)	Degree of Effect (Year 5)	Change to View (magnitude) (Year 10)	Degree of Effect (Year 10)
Viewpoint 1	Medium	High	High	Low	Moderate Adverse	Medium	Major Adverse	Low	Moderate Adverse	Negligible	Negligible Neutral
Viewpoint 2	Medium	High	High	High	Major Adverse	High	Major Adverse	Low	Moderate Adverse	Negligible	Negligible Neutral
Viewpoint 3	Medium	High	High	High	Major Adverse	High	Major Adverse	Low	Moderate Adverse	Negligible	Negligible Neutral
Viewpoint 4	Medium	High	High	High	Major Adverse	High	Major Adverse	Low	Moderate Adverse	Negligible	Negligible Neutral
Viewpoint 5	Medium	High (PRoW users)	High	Low	Moderate Adverse	Medium	Major Adverse	Low	Moderate Adverse	Negligible	Negligible Neutral
		Medium (road users)	Medium		Minor Adverse	Low	Minor Adverse	Negligible	Negligible Neutral	Negligible	Negligible Neutral
Viewpoint 6	Medium	High	High	Medium	Major Adverse	Low	Moderate Adverse	Negligible	Negligible Neutral	Negligible	Negligible Neutral
Viewpoint 7	Medium	High	High	High	Major Adverse	High	Major Adverse	Low	Moderate Adverse	Negligible	Negligible Neutral
Viewpoint 8	Medium	Medium	Medium	Low	Minor Adverse	Low	Minor Adverse	Negligible	Negligible Neutral	Negligible	Negligible Neutral
Viewpoint 9	Medium	High	High	High	Major Adverse	High	Major Adverse	Low	Moderate Adverse	Negligible	Negligible Neutral
Viewpoint 10	Medium	High	High	High	Major Adverse	Medium	Major Adverse	Low	Moderate Adverse	Negligible	Negligible Neutral
Viewpoint 11	Medium	High (PRoW users)	High	Medium	Major Adverse	Low	Moderate Adverse	Negligible	Negligible Neutral	Negligible	Negligible Neutral
	Medium	Medium (road users)	Medium	Low	Minor Adverse		Minor Adverse				
Viewpoint 12	Medium	High	High	Low	Moderate Adverse	Low	Moderate Adverse	Negligible	Negligible Neutral	Negligible	Negligible Neutral
Viewpoint 13	Medium	High	High	Low	Moderate Adverse	Low	Moderate Adverse	Negligible	Negligible Neutral	Negligible	Negligible Neutral
Viewpoint 14	Medium	High (PRoW users)	High	Low	Moderate Adverse	Negligible	Negligible	Negligible	Negligible Neutral	Negligible	Negligible Neutral
	Medium	Medium (road users)	Medium	Negligible	Negligible Neutral						
Viewpoint 15	Medium	Medium	Medium	Negligible	Negligible Neutral	Negligible	Negligible Neutral	Negligible	Negligible Neutral	Negligible	Negligible Neutral
Viewpoint 16	Medium	High (SUSTRANS users)	High	Negligible	Negligible Neutral	Negligible	Negligible Neutral	Negligible	Negligible Neutral	Negligible	Negligible Neutral
		Medium (road users)	Medium	Negligible	Negligible Neutral						

## TABLE 1 SUMMARY TABLE - VISUAL ASSESSMENT (WINTER VIEWS)



Town & Country Planning Act 1990 (as amended) Planning and Compulsory Purchase Act 2004

## **Expertly Done.**

DESIGN | ECONOMICS | ENVIRONMENT | HERITAGE | LAND & PROPERTY | PLANNING | TRANSPORT & INFRASTRUCTURE



Pegasus Group is a trading name of Pegasus Planning Group Limited (07277000) registered in England and Wales.

Registered office: Querns Business Centre, Whitworth Road, Cirencester, Gloucestershire, GL7 IRT We are ISO certified 9001, 14001, 45001