Chapter 10 – Summary of Mitigation and Residual Effects

Postcombe and Lewknor Solar Farm Environmental Statement

Postcombe and Lewknor Solar Farm Limited

Prepared by:

SLR Consulting Limited

3rd Floor, Summit House, 12 Red Lion Square,
London, WC1R 4QH

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Acronyms and Abbreviations

CEMP	Construction Environmental Management Plan
ECoW	Ecological Clerk of Works
EIA	Environmental Impact Assessment
ES	Environmental Statement
LVIA	Landscape and Visual Assessment
MS	Method Statement
PMV	Precautionary Method of Work
SODC	South Oxfordshire District Council

10. Summary of Environmental Commitments and Residual Effects

10.1 Environmental Commitments

10.1.1 Best practice in Environmental Impact Assessment (EIA) recommends the use of a schedule of mitigation and enhancement, which can act as a quick reference for anyone interested in the mitigation and enhancement measures which the Applicant has committed to implementing and upon which the assessment of residual effects presented within the Environmental Statement (ES) has been based. It will be utilised by the Applicant throughout the development of the detailed design, and the appointed contractors will be required to allow for, and ultimately implement, each of the measures in this schedule as a minimum.

10.1.2 Error! Reference source not found. presents the schedule of mitigation and enhancement for the Proposed Development, listed according to the relevant environmental topic area. Individual ES chapters and associated technical appendices should be referred to for full details of the mitigation and enhancement measures.

Table 10.1: Schedule of Environmental Commitments (Mitigation and Enhancement)

Topic	Mitigation Measures Proposed	Timing
Project Design		
Construction Environmental Management Plan (CEMP)	As part of the construction contract, the contractor responsible for undertaking the construction works (the Contractor) shall sign up to produce, and adhere to, a CEMP. The CEMP will be drafted and agreed with SODC prior to commencement of construction.	Pre-Construction
	The CEMP will describe how the contractor will ensure suitable management of, but not limited to, the below aspects during construction of the Proposed Development: • noise; • dust and air pollution; • surface and ground water; • ecology (including protection of habitats and species); • agriculture (including protection of livestock and land); • cultural heritage; • waste (construction and domestic); • pollution incidence response (for both land and water); and • site operations (including maintenance of the construction compounds, working hours and safety of the public). The CEMP will detail the agreed construction working hours for the Proposed Development.	
Decommissioning	The Applicant is committed to decommissioning and restoring the Site to its previous agricultural use at the end of the Proposed Development's lifespan.	Decommissioning
Landscape and Visual		
Design Mitigation	Embedded (design) mitigation: The fence around the Proposed Development, within the solar site's eastern parcel, will be offset by 15 m on either side of the centre line of Footpath 277/2/10. PV panels will be set back from the fence by a minimum of 5 m.	Pre-Construction (Design)
Landscape Mitigation Plan	The primary landscape fabric of the solar site will be retained as no existing boundary vegetation will be removed from the solar site and root protection zones protected during construction. Mitigation planting in the	Operational

Topic	Mitigation Measures Proposed	Timing
	form of hedgerows, infill planting and a woodland area will increase filtering of views as plants grow more through the operational lifespan of the Proposed Development.	
Cable Corridor	Given the temporary nature of the construction of the cable corridor, no vegetation is proposed to be removed as a result of the trenching and the ground will be restored to its previous state upon completion no landscape mitigation is proposed.	Construction
Cultural Heritage and Archaeology		
Programme of Archaeological Mitigation	It should be possible to mitigate any potential direct impacts on known and unknown archaeological remains via a programme of archaeological mitigation. The exact scope of any programme of archaeological works would be defined within a Written Scheme of Investigation and agreed with the Planning Archaeologist at Oxfordshire County Council.	Pre-Construction, Construction
Written Scheme of Investigation	The exact scope of any programme of archaeological works will be defined within a WSI and agreed with the Planning Archaeologist at Oxfordshire County Council.	Pre-Construction
Cable Corridor	Given the limited footprint of disturbance it is considered that the potential direct impacts caused along its length could be suitably mitigated via a programme of monitoring and recording during the construction works.	Construction
Ecology and Biodiversity		
Design Mitigation	Embedded mitigation is designed into the layout with careful siting of project elements to avoid veteran trees and other sensitivities including badger setts.	Pre-Construction (Design)
Pre-Construction Surveys	A pre-construction survey for protected species will be carried out. In the unlikely event that protected species not recorded at the Site previously are identified during the pre-construction surveys and/or ECoW checks, appropriate mitigation measures would be identified, agreed with Natural England (if licences are required) and implemented.	Pre-Construction
CEMP	General good practice measures to protect important ecological features either known to be present or with the potential to be present, will be implemented during the construction phase. All construction work will be undertaken in accordance with a Biosecurity and INNS Management Plan, which will be included within the CEMP. The CEMP will set out the pollution prevention measures, and emergency incident responses, which will be implemented by the Applicant and its contractors during construction.	Construction

Topic	Mitigation Measures Proposed	Timing
Ecological Clerk of Works (ECoW)	A suitably qualified ECoW or ECoW team will be employed for the duration of the construction and reinstatement periods, to oversee the safeguarding of important habitats and species and the implementation of ecological mitigation, compensation or enhancement measures, although this may not necessarily be a full-time role throughout.	Construction
Skylark Compensation Plan	Due to the loss of nesting and feeding areas within the solar site compensatory habitat off-Site for skylark (which will also benefit other farmland birds) will be provided. An area of arable land will be identified and managed to provide a minimum of eighteen skylark plots annually. This will be established in advance of construction, and maintained during the breeding season, for the lifetime of the development. Full details of the location, monitoring and management of the off-site skylark compensation area will be set out within a Skylark Compensation Plan that will be submitted to South Oxfordshire District Council (SODC) for approval in advance.	Operational
Landscape and Ecological Management Plan	The Landscape Mitigation Plan includes a range of enhancements for the biodiversity of the solar site including; • Retained hedgerows would be positively managed to increase the average height to 3 m and to infill any gaps with native shrubs or hedgerow trees, and any non-native invasive plant species would be removed, as appropriate. Potential native shrubs and trees for enhancement and hedgerow infilling include blackthorn, hazel, dog rose, dogwood, spindle, common holly, English oak, and field maple. • 3,377 m of new, native species rich hedgerow with trees planted; • 0.99 ha of new native broadleaved woodland created; • 77.98 ha of new species rich grassland created; and • Creation of stag beetle log stumperies close to existing and new woodlands and hedgerows. The additional planting results in the on-site net change as below: • There will be a 171.08% increase in habitat units; • There will be a 124.63% increase in hedgerow units; • There will be no change in watercourse units. To help manage this a LEMP will be agreed with SODC and include details of the monitoring and management of habitats at the solar site for the lifetime of the development, as well as a range of measures that will be	Post-Construction

Topic	Mitigation Measures Proposed	Timing
	employed for the benefit of biodiversity. This shall ensure that opportunities for biodiversity enhancement are integrated as part of the Proposed Development.	
Land Take, Soil Quality and Agricultural Land		
Design Mitigation	The design has been constructed to mitigate impact on Grade 3a soils where the substation and other infrastructure that would require a hardstanding has been placed on areas of Grade 3b soil. Although there will still be impact to the Grade 3a where other infrastructure is to be placed e.g. access tracks, fences and solar panels.	Pre-Construction (Design)
Soil Management Plan	All operations are to be undertaken strictly in accordance with the Soil Management Plan (**Appendix 8.2** of the ES) and the Construction Code of Practice for the Sustainable Use of Soils on Construction Sites, DEFRA (2009).	Construction
Glint and Glare		
Design Mitigation	Mitigation by design has included the appropriate set-back of the solar PV development from nearby residential properties, and a Landscape Mitigation Plan, which includes planting and/or strengthening of hedgerows and trees around essentially the entire perimeter of the Proposed Development.	Pre-Construction (Design)

10.2 Summary of Residual Effects

10.2.1 **Table 10.2** provides a reference to any significant residual environmental effects identified during the construction and decommissioning stages of the development in the technical sections of this ES, as well as a cross reference to the relevant mitigation measures identified.

10.2.2 **Table 10.3** provides a reference to any significant residual environmental effects identified during the operational stages of the development in the technical sections of this ES, as well as a cross reference to the relevant mitigation measures identified.

10.2.3 **Table 10.4** provides a summary of the cumulative effects of the Proposed Development within the local area.

10.2.4 **Table 10.5** provides a summary of the significant residual effects and cumulative effects identified in the Landscape and Visual Assessment (LVIA) in Chapter 5 of the ES. The LVIA effects are presented in a separate summary table due to the specific considerations on how the significance of effects changes from the short-term (before landscape planting mitigation has fully taken effect) to the longer term.

Table 10.2: Summary of Residual Effects (Construction and Decommissioning)

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Cultural Heritage					
Direct impact upon any early prehistoric remains surviving within the Site	Moderate	Adverse	The direct impacts upon known and unknown remains within the solar site will be mitigated, by a further programme of archaeological works (likely in the form of trial trenching) to be undertaken in order to refine the assessed potential, location and extent of any buried remains within the Site. The trenching would target features identified in the geophysical survey as well as providing coverage of the areas where there are anomalies of 'uncertain origin' identified in the geophysical survey (**Appendix 6.3**). Depending on the results of the evaluation it may be necessary to designate '*archaeologically sensitive areas'* where *'no dig*' solutions could allow for the preservation '*in situ'* of important buried remains. The proposed cable corridor will be established via the excavation of a narrow trench to facilitate the laying of a buried cable, Given the limited footprint of disturbance it is considered that the potential direct impacts caused along its length could be suitably mitigated via a programme of monitoring and recording during the construction works.	None (if preservation in situ is possible via no dig solutions) Moderate but offset (if preservation in situ is not possible)	None / Adverse

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Direct impact upon any late prehistoric to Roman remains surviving within the Site	Minor to Moderate	Adverse	As above.	None (if preservation in situ is possible via no dig solutions) Minor to Moderate but offset (if preservation in situ is not possible)	Adverse
Direct impact upon any early medieval burials surviving within the Site	Moderate to Major	Adverse	As above.	None (if preservation in situ is possible via no dig solutions) Moderate to Major but offset (if preservation in situ is not possible)	Adverse

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Direct impact upon any medieval remains (likely agricultural) within the Site	Moderate	Adverse	As above.	None (if preservation in situ is possible via no dig solutions) Minor but offset (if preservation in situ is not possible)	Adverse
Direct impact upon any post-medieval remains (likely agricultural or related to gardens) within the Site	Moderate	Adverse	As above.	None (if preservation in situ is possible via no dig solutions) Minor but offset (if preservation in situ is not possible)	Adverse

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Direct impacts upon the geophysical anomalies within the main Site (Asset 126)	Minor to Major	Adverse	As above.	None (if preservation in situ is possible via no dig solutions) Minor but offset (if preservation in situ is not possible)	Adverse
Direct impacts upon the former area of gardens within main Site (Asset 128)	Minor	Adverse	As above.	None (if preservation in situ is possible via no dig solutions) Minor but offset (if preservation in situ is not possible)	Adverse
Direct impacts upon the extant public footpath in main Site (Asset 129)	Minor	Adverse	Route is being retained and enhanced by design.	None	None

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Direct impacts upon the former route of a public footpath between Adwell and Postcombe (not extant) (Asset 139)	Minor	Adverse	Given the limited footprint of disturbance, it is considered that the potential direct impacts caused along its length could be suitably mitigated via a programme of monitoring and recording during the construction works.	Negligible	Adverse
Direct impacts upon the buried remnants of the Route of road running from Adwell (Asset 140) by the proposed cable corridor	Negligible	Adverse	Given the limited footprint of disturbance, it is considered that the potential direct impacts caused along its length could be suitably mitigated via a programme of monitoring and recording during the construction works.	None (if preservation in situ is possible via no dig solutions) Negligible but offset (if preservation in situ is not possible)	Adverse

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Direct impacts upon the buried remnants of the Route of road running from Wheatfield (Asset 145) by the proposed cable corridor	Negligible	Adverse	As above.	None (if preservation in situ is possible via no dig solutions) Negligible but offset (if preservation in situ is not possible)	Adverse
Direct impacts upon an area of ridge and furrow visible in historic aerial photography and LiDAR data (Asset 146)	Negligible	Adverse	As above.	None (if preservation in situ is possible via no dig solutions) Negligible but offset (if preservation in situ is not possible)	Adverse

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Direct impacts upon an area of ridge and furrow visible in historic aerial photography and LiDAR data (Asset 148)	Negligible	Adverse	As above	None (if preservation in situ is possible via no dig solutions) Negligible but offset (if preservation in situ is not possible)	Adverse
Ecology					
Aston Rowant SAC, SSSI, NNR – no effect	N/A	N/A	None	N/A	N/A
Chiltern Beechwoods SAC – no effect	N/A	N/A	None	N/A	N/A
Ancient Woodland – no effect	N/A	N/A	None	N/A	N/A

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Veteran ash trees - Potential damage or disturbance	Not Significant	N/A	None	Not Significant	N/A
Hedgerow (h2a) - Permanent loss of 55 m of hedgerow and temporary loss of 355 m of existing hedgerow	Significant (at Local Level)	Adverse	Reinstatement (including translocation) of 355 m of hedgerow. Creation of 3377 m of new hedgerow at solar site.	Not Significant	N/A
Notable plant species: White helleborine and bee orchid - Potential damage or disturbance	Not Significant	N/A	None	Not Significant	N/A

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Invasive plants: Rhododendron and variegated yellow archangel - Possible spread of INNS via disturbance to existing INNS populations within the construction footprint, inadvertently importing INNS from elsewhere, primarily on vehicles, but also other equipment or personnel and via seeds, planting stock or planting substrate.	Not Significant	N/A	None	Not Significant	N/A

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Great Crested Newt - The Proposed Development will result in the temporary loss of potentially suitable terrestrial habitats for GCN within 100 m of the three ponds which could support the species (presence/ absence has not been confirmed). In the absence of mitigation, and if present in the adjacent ponds, the construction stage of the Proposed Development may also result in accidental killing and/ or injury to GCN.	Significant (at Local level)	Adverse	Pre-construction eDNA survey of the three ponds to determine GCN presence/ absence. If absent, no further mitigation required. If GCN present, a detailed assessment undertaken to determine the risk of committing an offence and: • A Precautionary Method of Work (PMW) prepared if the risk of offence is deemed to be unlikely. This would form part of the CEMP. • A Method Statement (MS) prepared and an NE European Protected Species Licence applied for and obtained, if the risk of offence is deemed to be likely.	Not Significant	N/A

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Breeding Birds - Permanent loss of arable habitat at the solar site, supporting 18 skylark territories. Temporary loss of habitats associated with the cable connection. Inadvertent destruction or damage to active nests.	Significant (at Local level)	Adverse	Prior to the development commencing, arable farming on Site will stop. In the intervening time between cessation of farming and commencement of construction, the Site will be managed to ensure that ground vegetation does not encourage use by ground-nesting birds. This could be through regular repeat cultivation or other means undertaken outside of the nesting season. Management of existing and new hedgerows to form an "A-shape" to increase invertebrate diversity Compensatory habitat off-Site for skylark (which will also benefit other farmland birds). An area of arable land will be identified and managed to provide a minimum of eighteen skylark plots annually. This will be established in advance of construction, and maintained during the breeding season, for the lifetime of the development. Full details of the location, monitoring and management of the off-site skylark compensation area will be set out within a Skylark Compensation Plan that will be submitted to SODC for approval in advance. It is anticipated that the management of these areas will be secured under a Section 106 Agreement.	Not significant	N/A

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Bats – loss to potential roost features.	Significant (at Local level)	Adverse	potential roost inspection (aerial inspection) in accordance with published best practice of all trees within 15 m of proposed infrastructure or working areas to determine the presence or absence of PRF. Follow up presence/ absence survey at trees with potential to support multiple bats ("PRF-M" trees described in current best practice[32]) which may be impacted by the Proposed Development. If survey confirms a roost is located in a tree that will be impacted, a detailed assessment undertaken to determine the risk of committing an offence and: • A Precautionary Method of Work (PMW) prepared if the risk of offence is deemed to be unlikely. This would form part of the CEMP. • A Method Statement (MS) prepared and an NE European Protected Species Licence applied for and obtained, if the risk of offence is deemed to be likely. Installation of one compensation roost feature (i.e. a bat box) for every PRF lost, installed in advance of work. The compensation feature will provide equivalent roosting resource to that lost. Creation of c.79 ha of grassland, woodland and hedgerow habitat around the solar array, that will support abundant insect prey, to offset direct and indirect loss of foraging habitat.	Not Significant	N/A

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Badger - Inadvertent destruction or damage to active setts.	Not Significant	N/A	None	Not Significant	N/A
Hazel dormouse - Inadvertent disturbance to dormice, or destruction or damage to nests (if present).	Not Significant	N/A	None	Not Significant	N/A
Brown hare, hedgehog, polecat, common lizard, slow worm **-** Temporary loss of foraging and sheltering habitat, permanent loss if present at the solar site Accidental killing and injury.	Not Significant	N/A	None	Not Significant	N/A

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Land Take, Soil Quality & Agricultural Land					
Impact to soil during construction activities	N/A	N/A	A Soil Management Plan (**Appendix 8.2** of the ES) provides the mitigation measures to be followed to prevent damage to soil during the construction of the Proposed Development.	N/A	N/A
Glint & Glare					
Based on the nature of the project and surrounding receptors, assessment of the construction and decommissioning phases have been scoped out.					

Table 10.3: Summary of Residual Effects (Operational)

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Cultural Heritage					
Effect upon the setting of the Grade I Listed Church of St Margaret (Asset 12, Listing Number 1182190)	Minor	Adverse	No mitigation is offered beyond that incorporated into the design (**Chapter 4**).	Minor	Adverse
Operational effect upon the character of the Lewknor Conservation Area (Asset 95)	N/A	N/A	As above.	N/A	N/A
Operational effect upon the Grade I Listed Church Farm, Barn (Asset 17)	N/A	N/A	As above.	N/A	N/A
Operational effect upon the Grade II Listed Church Farm (Asset 79)	N/A	N/A	As above.	N/A	N/A
Operational effect upon the Grade II Listed Moor Court (Asset 11)	N/A	N/A	As above.	N/A	N/A
Operational effect upon the Grade II Listed Manor Farm (Asset 49)	N/A	N/A	As above.	N/A	N/A

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Operational effect upon the Grade II Listed Manor Farmhouse (Asset 50)	N/A	N/A	As above.	N/A	N/A
Operational effect upon the Grade II Listed Manor Farm Cottage (Asset 55)	N/A	N/A	As above.	N/A	N/A
Operational effect upon the Grade II Listed Granary approximately 18 m NE of Manor Farmhouse (Asset 74)	N/A	N/A	As above.	N/A	N/A
Operational effect upon the non-designated Church of St Lawrence (Asset 9)	N/A	N/A	No mitigation is offered beyond that incorporated into the design (**Chapter 4**).	N/A	N/A
Ecology					
Birds and bats - Indirect loss of foraging habitat, as a result of the solar panel array adversely affecting behaviours.	Not Significant	N/A	None	Not Significant	N/A

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Land Take, Soil Quality & Agricultural Land					
Temporary loss of agricultural land - The Proposed Development would only result in a loss of 0.02% of Grade 3 ALC land in SODC.	N/A	N/A	None, this is a temporary loss of agricultural land with the change of land use from agricultural to energy infrastructure.	N/A	N/A
Glint & Glare					
Effect on Fixed Receptors: OP25	Minimal to Negligible	Adverse	N/A	Minimal to negligible	Adverse
Effect of Route 1	Minimal	Adverse	N/A	Minimal to Negligible	Adverse
Effect on Route 3	Minimal to Negligible	Adverse	N/A	Minimal to Negligible	Adverse

Table 10.4: Summary of Cumulative Effects

Receptor	Effect	Cumulative Development	Significance of Cumulative Effect	
			Significance	Beneficial/Adverse
Cultural Heritage				
No cumulative effects have been identified by this assessment	None	None	None	None
Ecology				
Birds and bats	Indirect loss of foraging habitat, as a result of the solar panel array adversely affecting behaviours.	Operational Harlesfor, Cornwell and Chalgrove Solar Farms.	Not Significant	N/A
Land Take, Soil Quality & Agricultural Land				
Loss of Grade 3a ALC in SODC	Overall, when considering the cumulative developments there will be a total temporary loss of 40.5 ha of Grade 3a land in SODC.	Harlesford Solar Farm and Dodwells Solar Farm.	N/A	N/A
Glint & Glare				
No potential cumulative schemes have been identified.				

Table 10.5: Summary of Landscape and Visual Effects

Receptor	Description	Scale of Change	Sensitivity	Magnitude	Significance	Beneficial/ Neutral/ Adverse
Landscape Character						
LCA 6B (NW)	Construction / Decommissioning	Medium	Low	Moderate / Slight	Minor	Adverse
	Effects on the defined tract of landscape character prior to the establishment of mitigation planting and management (five to ten years).	Medium	Low	Moderate	Moderate / Minor	Adverse
	Effects on the defined tract of landscape character following the establishment of mitigation planting and management (five to ten years).	Medium / Small	Low	Moderate / Slight	Minor	Adverse
LCA 6B (SE)	Construction / Decommissioning	Small / Negligible	Medium	Moderate / Slight	Minor	Adverse
	Effects on the defined tract of landscape character prior to the establishment of mitigation planting and management (five to ten years).	Small	Medium	Slight	Moderate/Minor	Adverse
	Effects on the defined tract of landscape character following the establishment of mitigation planting and management (five to ten years).	Small / Negligible	Medium	Slight / Negligible	Minor	Neutral
LCA 11C	Construction / Decommissioning	Medium / Small	Low	Moderate / Slight	Minor	Adverse
	Indirect effects on the defined tract of landscape character prior to the establishment of mitigation planting and management (five to ten years).	Medium	Low	Moderate	Moderate / Minor	Adverse

Receptor	Description	Scale of Change	Sensitivity	Magnitude	Significance	Beneficial/ Neutral/ Adverse
	Indirect effects on the defined tract of landscape character following the establishment of mitigation planting and management (five to ten years).	Medium / Small	Low	Moderate / Slight	Minor	Neutral
LCA 2A	Construction / Decommissioning	Medium / Small	High	Moderate / Slight	Moderate (Not Significant)	Adverse
	Indirect effects on the defined tract of landscape character prior to the establishment of mitigation planting and management (five to ten years).	Medium	High	Moderate / Slight	Major / Moderate (Significant)	Adverse
	Indirect effects on the defined tract of landscape character following the establishment of mitigation planting and management (five to ten years).	Medium	High	Moderate / Slight	Moderate (Significant)	Adverse
Visual Receptor Groups						
M40 Motorway	Construction / Decommissioning	Medium / Small	Medium / Low	Slight	Minor	Adverse
	Effects on the receptor group prior to the establishment of mitigation planting and management (five to ten years).	Medium / Small	Medium / Low	Slight	Minor	Adverse
	Effects on the receptor group following the establishment of mitigation planting and management (five to ten years).	Small/Negligible	Medium / Low	Slight / Negligible	Minor / Negligible	Neutral
A40	Construction / Decommissioning	Small	Medium / Low	Slight	Minor	Adverse
	Effects on the receptor group prior to the establishment of mitigation planting and management (five to ten years).	Medium / Small	Medium / Low	Slight	Moderate / Minor	Adverse

Receptor	Description	Scale of Change	Sensitivity	Magnitude	Significance	Beneficial/ Neutral/ Adverse
	Effects on the receptor group following the establishment of mitigation planting and management (five to ten years).	Medium / Small	Medium / Low	Slight	Moderate / Minor	Adverse
B4009	Construction / Decommissioning	Small / Negligible	Medium / Low	Slight / Negligible	Minor / Negligible	Adverse
	Effects on the receptor group prior to the establishment of mitigation planting and management (five to ten years).	Small / Negligible	Medium / Low	Slight / Negligible	Minor / Negligible	Adverse
	Effects on the receptor group following the establishment of mitigation planting and management (five to ten years).	Negligible	Medium / Low	Negligible	Negligible	Adverse
Lewknor	Construction / Decommissioning	Small / Negligible	Medium	Slight / Negligible	Minor	Adverse
	Effects on the receptor group prior to the establishment of mitigation planting and management (five to ten years).	Small / Negligible	Medium	Slight / Negligible	Minor	Adverse
	Effects on the receptor group following the establishment of mitigation planting and management (five to ten years).	Negligible	Medium	Negligible	Minor / Negligible	Neutral
PRoW network (within and adjacent to the Site)	Construction / Decommissioning	Large	Medium	Moderate	Moderate (Significant)	Adverse
	Effects on the receptor group prior to the establishment of mitigation planting and management (five to ten years).	Large	Medium	Moderate	Moderate (Significant)	Adverse
	Effects on the receptor group following the establishment of mitigation planting and management (five to ten years).	Large	Medium	Moderate	Moderate (Significant)	Adverse

Receptor	Description	Scale of Change	Sensitivity	Magnitude	Significance	Beneficial/ Neutral/ Adverse
PRoW east of the A40	Construction / Decommissioning	Medium / Small	Medium	Slight	Moderate / Minor	Adverse
	Effects on the receptor group prior to the establishment of mitigation planting and management (five to ten years).	Medium	Medium	Moderate	Moderate (Not Significant)	Adverse
	Effects on the receptor group following the establishment of mitigation planting and management (five to ten years).	Medium / Small	Medium	Slight	Moderate / Minor	Adverse
Postcombe south-east of Salt Lane and Weston Road	Construction / Decommissioning	Medium / Small	Medium	Slight	Moderate / Minor	Adverse
	Effects on the receptor group prior to the establishment of mitigation planting and management (five to ten years).	Medium	Medium	Moderate	Moderate (Not Significant)	Adverse
	Effects on the receptor group following the establishment of mitigation planting and management (five to ten years).	Medium / Small	Medium	Slight	Moderate / Minor	Adverse
The Ridgeway	Construction / Decommissioning	Small / Negligible	High	Slight / Negligible	Moderate / Minor	Adverse
	Effects on the receptor group prior to the establishment of mitigation planting and management (five to ten years).	Small	High	Slight	Moderate (Not Significant)	Adverse
	Effects on the receptor group following the establishment of mitigation planting and management (five to ten years).	Small	High	Slight	Moderate (Not Significant)	Adverse
Chilterns National	Construction / Decommissioning	Medium	High	Moderate / Slight	Moderate (Significant)	Adverse

Receptor	Description	Scale of Change	Sensitivity	Magnitude	Significance	Beneficial/ Neutral/ Adverse
Landscape east of M40	Effects on the receptor group prior to the establishment of mitigation planting and management (five to ten years).	Medium	High	Moderate / Slight	Moderate (Significant)	Adverse
	Effects on the receptor group following the establishment of mitigation planting and management (five to ten years).	Medium	High	Moderate / Slight	Moderate (Significant)	Adverse
Chilterns National Landscape west of M40	Construction / Decommissioning	Medium	High	Moderate / Slight	Moderate (Significant)	Adverse
	Effects on the receptor group prior to the establishment of mitigation planting and management (five to ten years).	Medium	High	Moderate / Slight	Moderate (Significant)	Adverse
	Effects on the receptor group following the establishment of mitigation planting and management (five to ten years).	Medium	High	Moderate / Slight	Moderate (Significant)	Adverse
Designated Areas						
The Special Qualities of the Chilterns National Landscape	Indirect effects on “A rich tapestry”	Medium / Small	High	Moderate / Slight	Moderate (Not Significant)	Adverse
Development affecting the setting of the Chilterns AONB (2011)	Indirect effects on “Blocking or interference of views of the AONB from public viewpoints or rights of way outside the AONB.” – Footpath 277/2/10	Medium / Small	Medium	Slight	Moderate / Minor	Adverse
	Indirect effects on “Blocking or interference of views of the AONB from public viewpoints or rights of way outside the AONB.” – Salt Lane public viewpoint	Large / Medium	Medium	Moderate	Moderate (Not Significant)	Adverse

Receptor	Description	Scale of Change	Sensitivity	Magnitude	Significance	Beneficial/ Neutral/ Adverse
	Indirect effects on "Reduction in public access and detrimental impacts on the character and appearance of rural roads and lanes." – Footpath 277/2/10	Medium	Medium	Moderate / Slight	Moderate / Minor	Adverse
Cumulative Effects – Sequential views						
M40 Motorway	Construction / Decommissioning	Medium / Small	Medium / Low	Slight	Minor	Adverse
	Effects on the receptor group prior to the establishment of mitigation planting and management (five to ten years).	Medium / Small	Medium / Low	Slight	Minor	Adverse
	Effects on the receptor group following the establishment of mitigation planting and management (five to ten years).	Small / Negligible	Medium / Low	Slight / Negligible	Minor / Negligible	Neutral
A40	Construction / Decommissioning	Small	Medium / Low	Slight	Minor	Adverse
	Effects on the receptor group prior to the establishment of mitigation planting and management (five to ten years).	Medium / Small	Medium / Low	Slight	Moderate / Minor	Adverse
	Effects on the receptor group following the establishment of mitigation planting and management (five to ten years).	Medium / Small	Medium / Low	Slight	Moderate / Minor	Adverse