

## **Chapter 17**

### SUMMARY OF MITIGATION, MONITORING AND RESIDUALS

# 17 Summary of Mitigation Measures, Monitoring and Likely Residual Effects

#### 17.1 Introduction

- 17.1.1 This chapter sets out, in Tables 17.1 and 17.2, a summary of the mitigation measures, monitoring requirements and likely residual effects resulting from the construction and operation of the completed Development, as detailed in the technical topic Chapters 7-15. Table 17.3 provides a summary of the cumulative effects.
- 17.1.2 Mitigation measures are designed into the Development (Eastern Development, Western Development and Enabling Works) to reduce potentially significant adverse effects where possible. A summary of key secondary and tertiary mitigation measures is provided below for both the construction phase and the completed Development.

#### **Enabling Works and Construction**

- Adherence to Construction Environmental Management Plans (CEMPs), including the erection of construction hoarding, site lighting control, emissions management plans;
- Adherence to a Construction Traffic Management Plan (CTMP);
- Timing of habitat/ hedgerow clearance (if required) avoiding seasonal constraints and/ or in the presence of a certified ecologist;
- Scheme of further archaeological evaluation and mitigation works, if required;
- Acquirement of bat mitigation and appropriate licences (if required); and
- Consideration of carbon offsetting during material selection for Site.

#### **Completed Development**

- Acoustic barrier around car park of Western Site and on B4100 between the B4100/A43 roundabout and the Western Site access;
- Financial contributions to highway and public access network infrastructure (via the S.278 agreements);
- Implementation of a Travel Plan;
- Implementation of proposed surface water drainage system;
- Adherence to mitigation measures stated in Sustainability and Energy Strategy;
- Landscaping and scheme management including implementation of a detailed Landscape and Ecology Management Plan, secured via planning condition; and Biodiversity offsetting contributions through Applicant ownership of an off-Site compensation site, circa 20ha in Piddington, secured through a S.106 agreement.

Table 17.1: Summary of Enabling Works and Construction Phase Effects

Development	Effect	Receptor (Sensitivity)	Geograp hic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Socio-Economics	T	_	1	_		
Enabling Works						Negligible
Eastern	Construction	Construction industry				
Development	employment	(Low)	Regional	Temporary	None	Negligible
Western	omproyment	(2011)			required	(Beneficial
Development						)
The Development						
Transport and Access						
Enabling Works						
Eastern						
Development	Severance in	Pedestrians and				Negligible
Western	Communities	cyclists (Low)				rtogngibio
Development						
The Development						
Enabling Works		A43/B4100 junction				
Eastern		and M40 Junction 10				
Development	Driver Delay	(High)			Adherence to	Negligible
Western	Dilver Delay	(i ligit)	Local	Temporary	CTMP	rvegligible
Development		B4100 (Low)			OTIVII	
The Development		D+100 (LOW)				
Enabling Works						
Eastern						
Development	Non-Motorised User	Pedestrians and				Negligible
Western	Delay Amenity	cyclists (Low)				Negligible
Development						
The Development						
Enabling Works	Fear and Intimidation			Ţ		Negligible

Development	Effect	Receptor (Sensitivity)	Geograp hic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Eastern						
Development		Pedestrians and				
Western		cyclists (Low)				
Development		Cyclists (LOW)				
The Development						
Enabling Works		A 42/D 4400 it metion				
Eastern		A43/B4100 junction and M40 Junction 10				
Development	Accidents and Safety	(High)				Negligible
Western	Accidents and Salety	(High)				Negligible
Development		B4100 (Low)				
The Development		D4100 (LOW)				
Air Quality						
Eastern	Dust soiling and				Adherence to	
Development	human health impacts	Existing residential properties (High)	Local		CEMP and Dust	
Western	from emissions of				Management	Negligible
Development	PM <sub>10</sub>				Plan	
The Development	1 10170			Temporary		
	Emissions from	Existing residential	Local,		Adherence to	Negligible
	construction vehicles	properties (High)	district		CTMP	Negligible
	Emissions from on-	Existing residential	Local		Adherence to	Negligible
-	Site plant	properties (High)	Local		CEMP	Negligible
Noise and Vibration	1	T	T	T	1	
Enabling Works						
Eastern		Residential and Non-				
Development	Construction noise	residential Receptors	Local	Temporary	Adherence to	Not
Western	Constituotion noise	(High)	Local	remperary	CEMP	Significant
Development		(' ''8'')				
The Development						

Development	Effect	Receptor (Sensitivity)	Geograp hic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Enabling Works  Eastern  Development  Western  Development  The Development	Construction vibration	Residential and Non- residential Receptors (High)				Not Significant
Cultural Heritage  The Development	Enabling works and construction activities including earthworks/groundworks etc.	Localised Iron Age activity identified within the southern part of the Eastern Site (Low to Medium)	Local to Regional	Permanent Permanent	Programme of archaeological works to be secured by planning condition and agreed with OCC Archaeologist.	Up to Moderate or Large Adverse
		Isolated ditches and agricultural landscape features of Prehistoric, Roman, Saxon, Medieval or Post Medieval date (Negligible to Low)	Local	Permanent	Programme of archaeological works to be secured by planning condition and	Slight or Moderate Adverse

Development	Effect	Receptor (Sensitivity)	Geograp hic Scale	Temporal Scale	Mitigation and Monitoring agreed with OCC	Likely Residual Effect
					Archaeologist.	
	Construction activities, including increased traffic and noise levels	Barn at SP 5487 2940 (Medium)	Local	Temporary	None required	None
Biodiversity			1			
Eastern Development					Multiple new trees planted on-	
Western Development	Partial loss of trees	Trees (Low)	Local		site and off-site. Implementation	Negligible
The Development					of HMMP.	
Eastern Development		Hedgerows (Low)	Local	Permanent	0.85km of new hedgerow	
Western Development	Partial loss of hedgerows				planting off-site. Implementation	Negligible
The Development					of HMMP.	
Eastern Development					Provision of a pond within the off-site	Minor adverse (local)
The Development	Loss of Ponds	Ponds (Low)	Local		compensation area. Provision of swales within the Site which will hold water for part of the year.	Minor adverse (local)

Development	Effect	Receptor (Sensitivity)	Geograp hic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Eastern Development Western Development The Development	Disturbance to bats	Bats (High)	District		Creation of new neutral grassland, swales, hedgerow and tree planting onsite and creation of neutral grassland and hedgerow planting off-site. Implementation of a sensitive lighting strategy during operation to minimise lighting to retained and created habitat features.	Negligible  Negligible  Negligible
Eastern Development Western Development The Development	Disturbance to birds	Birds (Low)	District		Creation of new neutral grassland, swales, hedgerow and tree planting onsite and creation	Minor adverse (local)

Development	Effect	Receptor (Sensitivity)	Geograp hic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
					of neutral grassland and hedgerow planting off-site.	
Eastern Development Western Development The Development	Disturbance to hazel dormouse	Hazel dormouse (Low)	Local		c.0.7km new hedgerow on-site and c.1.5km of new hedgerow planting off-site. Implementation of HMMP.	Negligible
Landscape and Visua	l					
Enabling Works  Eastern Development Western Development The Development	Loss of landscape features, alterations to topography and presence of construction activity and materials.	6. Farmland Plateau (Medium)  19. Wooded Estatelands (Medium) H. Fritwell (CW/57) (Medium) C. Middleton Stoney (CW/59) (Medium) Eastern Site (Medium) Western Site (Medium) Development (Medium)	Local	Short term	Adherence to the CEMP	Negligible  Minor Adverse Minor Adverse Minor Adverse Moderate Adverse Moderate Adverse Moderate Adverse Adverse

Development	Effect	Receptor (Sensitivity)	Geograp hic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Enabling Works						Negligible
Eastern						Minor
Development		Users of PRoW west				adverse
Western		of Stoke Lyne				Minor
Development		(Photoviewpoint 1)				adverse /
		(High / Medium)				Negligible
The Development						Minor
						adverse
Enabling Works		Users of the PRoW network south of Tusmore Park				Negligible
Eastern						Minor
Development						adverse
Western						Minor
Development	Views of construction	(Photoviewpoints 2, 3				adverse /
	activity, machinery	and 19) (High /	Local	Short term	Adherence to the	Negligible
The Development	and materials.	Medium)	Local	Onort term	CEMP	Minor
	and materials.					Adverse
Enabling Works		Users of the PRoW				Negligible
Eastern		between Fewcott and				Moderate
Development		Stoke Lyne				Adverse
Western		(Photoviewpoint 5, 6				Negligible
Development		and 16) (High /				Negligible
The Development		Medium)				Moderate
		Wiodiditi)	_			Adverse
Enabling Works		Users of the PRoW				Negligible
Eastern		west and northwest of				Minor
Development		A43 (Photoviewpoints				Adverse
Western		10, 18 and 20) (High /				Minor
Development		Medium)				Adverse

Development	Effect	Receptor (Sensitivity)	Geograp hic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
The Development						Minor
	_		1			Adverse
Enabling Works		Users of the local				Negligible neutral
 Eastern	_	road network between				Negligible
Development		Fritwell and Ardley				neutral
Western	-	with Fewcott				Negligible
Development		(Photoviewpoints 11,				neutral
The Development		14 and 15) (Low)				Negligible
						neutral
Enabling Works						Minor
		Users of the PRoW to				adverse
Eastern		the west and				Minor
Development		southwest of the Site				Adverse
Western		(Photoviewpoints 12,				Moderate
Development		13 and F)				Adverse
The Development		,				Moderate
			_			Adverse
Enabling Works		Users of the B4100				Negligible
		east of the Site				Neutral
Eastern		(Photoviewpoint 4, 5 and G) (High /				Minor
Development Western	+	medium)				Adverse
Development		medium)				Negligible
The Development	-					Minor
The Developinent						Adverse
Enabling Works	1	Users of the B4100	1			Minor
		west of the A43				adverse

Development	Effect	Receptor (Sensitivity)	Geograp hic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Eastern		(Photoviewpoint 17				Minor
Development		and C) (Low)				adverse
Western						Minor to
Development						negligible
						adverse
The Development						Minor
						adverse
Enabling Works						Negligible
-						neutral
Eastern						Minor
Development		Road users of the				adverse
Western		A43 (Low)				Negligible
Development						neutral
The Development						Minor
-						adverse
Enabling Works						Negligible
-						neutral
Eastern						Negligible
Development		Road users of the				neutral
Western		M40 (Low)				Minor
Development						adverse
The Development						Minor
						adverse
Climate Change and G	Greenhouse Gases	T		1	1	
Enabling Works	Whole life GHG				Adherence to the	Minor
Eastern	emissions	N/A	Global	Permanent	CEMP	adverse
Development						4470130

Development	Effect	Receptor (Sensitivity)	Geograp hic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Western Development The Development					'BREEAM Very Good, with aspirations/capab ilities to achieve Excellent Travel Plan Energy efficient design Full offset of office and core areas building energy requirements (zero carbon) through PV cells	
Hydrology, Flood Risk	and Drainage	1	1	1	1	,
Enabling Works  Eastern  Development  Western  Development  The Development	Impacts on human health	Construction workers (High)	Local	Temporary	Adherence to CEMP	Negligible Negligible Negligible Negligible
Enabling Works Eastern Development	Increase sediment loading	Padbury Brook watercourse (High) Surface water ditches (Medium)	Local and Regional	Temporary	Adherence to temporary drainage scheme	Minor adverse to Negligible

Development	Effect	Receptor (Sensitivity)	Geograp hic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Western Development						Minor adverse to Negligible
The Development						Minor adverse to Negligible
Enabling Works					Adherence to	Negligible
Eastern		Padbury Brook	Local		CEMP	Negligible
Development	Accidental leaks of	watercourse (High)	and	Temporary		
Western	hazardous materials	Surface water ditches	Regional	remperary		Negligible
Development		(Medium)	rtogionai			
The Development						Negligible
Enabling Works	_	People and property				Negligible
Eastern		on and adjacent to				Negligible
Development	Dust and dirt from	the Site (High)	Local	Temporary	Adherence to	
Western	construction traffic	Surface water ditches			CTMP	Negligible
Development	-	(Medium)				
The Development		,				Negligible
Enabling Works						Negligible
Eastern	Demand on water	People and property	Local		Monitor	Negligible
Development	supply from	on and in the vicinity	and	Temporary	infrastructure for	NI
Western	construction	of the Site (High)	Regional		defects	Negligible
Development The Development	infrastructure					Neglicible
The Development	1				1	Negligible

Table 17.2: Summary of Completed Development Effects

Development	Effect	Receptor (Sensitivity)	Geographic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Socio-Economics	S					
Eastern Development	Provision of					
Western		Local & District	Local,	Permanent	None required	Moderate
Development	employment floorspace	economy (Low)	District	Fermanent	None required	Beneficial
The Development	lloorspace					
Transport and A	ccess					
Eastern Development					B4100 Footway/ Cycleway	
Western Development	Severance in	Pedestrians and	Local	Permanent	B4100 Footway/ Cycleway B4100	Negligible
The Development	Communities	cyclists (Low)			(West) Pedestrian Refuge and Footway/ Cycleway	
Eastern Development Western Development The	Driver Delay	A43/B4100 junction and M40 Junction 10 (High)	Local	Permanent	Interim Works Improvement Scheme; Bus Service Commitment;	Moderate Beneficial
Development  Eastern		B4100 (Low)			Footway/Cycleway; Travel Plan B4100	
Development Western	Non-Motorised User Delay	Pedestrians and cyclists (Low)	Local	Permanent	Footway/Cycleway B4100	Minor Beneficia
Development	Amenity	Cyclists (Low)			Footway/Cycleway	

Development	Effect	Receptor (Sensitivity)	Geographic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
The Development					B4100 (West) Pedestrian Refuge and Footway/Cycleway	
Eastern Development					B4100 (Footway/Cycleway	Negligible
Western Development The Development	Fear and Intimidation	Pedestrians and cyclists (Low)	Local	Permanent	B4100 Footway/Cycleway B4100 (West) Pedestrian Refuge and Footway/Cycleway	Minor Adverse
Eastern Development Western Development The Development	Accidents and Safety	A43/B4100 junction and M40 Junction 10 (High) B4100 (Low)	Local	Permanent	Interim Works Improvement Scheme; Bus Service Commitment; Footway/Cycleway; Travel Plan	Minor Beneficial
Air Quality  Eastern Development  Western Development  The Development	Human health impacts from emissions from additional operational road traffic	Existing residential properties (high)	Local, district	Permanent	N/A	Negligible (not significant)

Development	Effect	Receptor (Sensitivity)	Geographic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Noise and Vibration	on	1				
Eastern Development Western Development The Development	Operational sound	Residential receptors	Local	Permanent	Additional mitigation developed as part of the final design, including consideration of: - the acoustic performance of the building cladding; - the location of any building services; and - the building orientation.	Not significant
Eastern Development					Travel Plan measures	Not Significant
Western Development	On anotion al Da ad	Desidential			Travel Plan measures, and	Not Significant
The Development	- Operational Road Traffic Noise	Residential receptors	Local	Permanent	investigation into potential noise barrier and low noise surfacing provisions	Significant at one receptor; Not Significant at all other locations

Development	Effect	Receptor (Sensitivity)	Geographic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Cultural Heritage	-					-
The Development	Enabling works	Localised Iron Age activity identified within the southern part of the Eastern Site (Low to Medium)			Programme of archaeological works to be	Up to Moderate or Large Adverse
	and construction Isolated ditches I ocal to	Permanent	Permanent secured by planning condition and agreed with OCC Archaeologist.	Slight or Moderate Adverse		
	Change of setting to designated heritage asset	Barn at SP 5487 2940 (Medium)	Local	Permanent	None required	None
Biodiversity						
Eastern Development Western Development  The Development	Changes to the ecological features of Ardley Cutting and Quarry SSSI	High	National	Permanent	Details of mitigation and monitoring to be agreed with Natural England and CDC at the Reserved Matters	Negligible
					Stage in conjunction with	

Development	Effect	Receptor (Sensitivity)	Geographic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect	
					other cumulative		
Eastern Development Western Development	Alterations to Ancient Woodland	Medium			schemes.  Details of mitigation and monitoring to be agreed with Natural England and CDC at the		
The Development	at Stoke Wood LWS and Little Stoke Wood LWS		County	Permanent	Reserved Matters Stage in conjunction with other cumulative schemes.	Negligible	
Eastern							
Development Western		High	County	Permanent	Implementation of		
Development	bats				a sensitive lighting	Negligible	
The					strategy		
Development							
Eastern							
Development					Implementation of		
Western	Disturbance to	Low	Local	Permanent	a sensitive lighting	Negligible	
Development	hazel dormouse	LOW	Local	Fermanent	strategy	Negligible	
The					Strategy		
Development							
Landscape and V	'isual						
Landscape		1		1	I	<b>I</b>	
Eastern Development	Introduction of large commercial	6. Farmland Plateau (Medium)	Local	Permanent	Creation of Green / blue infrastructure,	Minor adverse (Year 15)	

Development	Effect	Receptor (Sensitivity)	Geographic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Western Development The Development	buildings into the landscape and loss of openness.				the use of locally appropriate native species and use of bunding.	
Eastern Development Western Development The Development		19. Wooded Estatelands (Medium)				Moderate adverse (Year 15) Minor adverse (Year 15) Minor adverse (Year 15)
Eastern Development  Western Development  The Development		H. Fritwell (CW/57) (Medium)				Moderate adverse (Year 15) Minor adverse (Year 15)  Minor adverse (Year 15)
Eastern Development Western Development The Development		C. Middleton Stoney (CW/59) (Medium)				Minor adverse (Year 15)
Eastern Development		Eastern Site (Medium)				

Development	Effect	Receptor (Sensitivity)	Geographic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Western Development The		Western Site (Medium) Site (Medium)	Ocale	ocale	Worldoning	Moderate adverse (Year 15)
Development		Site (Mediairi)				
Visual  Eastern Development Western Development  Eastern Development  Western Development  Development  Development  Eastern Development  Western Development  Eastern Development  Development	Views of large commercial buildings within an arable landscape and loss of openness	Residents of Stoke Lyne (Photoviewpoint 1) (High/ Medium)  Users of the PRoW network south of Tusmore Park (Photoviewpoints 2, 3 and 19) (High/ Medium)  Users of the PRoW between Fewcott and Stoke Lyne (Photoviewpoint 5,	- Local	Permanent	Façade treatments, the use of locally appropriate native species in screen planting and use of bunding	Moderate / Minor adverse Moderate / Minor adverse Moderate / Minor adverse Moderate adverse Moderate / Minor adverse Moderate / Minor adverse Moderate adverse Moderate adverse Moderate adverse Moderate adverse Moderate adverse
Development		6 and 16) (High/ Medium)				Moderate adverse
Eastern Development Western Development		Users of the PRoW west and northwest of A43 (Photoviewpoints				Minor to negligible adverse Moderate adverse

Development	Effect	Receptor	Geographic	Temporal	Mitigation and	Likely Residual
	Elloot	(Sensitivity)	Scale	Scale	Monitoring	Effect
Development		10, 18 and 20)				Moderate
Development		(High/ Medium)				adverse
Eastern		Users of the local				
Development		road network				Minor adverse
Western		between Fritwell				to neutral
Development		and Ardley with				Negligible
		Fewcott				neutral
Dovolonment		(Photoviewpoints				Negligible
Development		11, 14 and 15)				neutral
		(High/ Medium)				
Eastern		Users of the				Moderate to
Development		PRoW to the west				Minor adverse
Western		and southwest of				Moderate
Development		the Site				adverse
		(Photoviewpoints				Moderate
Development		12, 13 and F)				
		(High/ Medium)				adverse
Eastern		Users of the				Minor adverse
Development		B4100 east of the				willor adverse
Western		Site				Negligible
Development		(Photoviewpoint 4,				neutral
Development		5 and G) (Low)				Minor adverse
Eastern		Users of the				Negligible
Development		B4100 west of the				neutral
Western		A43				Minanahan
Development		(Photoviewpoint 17				Minor adverse
Development		and C) (Low)				Minor adverse
Eastern		Road users of the				Negligible
Development		A43 (Low)				neutral

Development	Effect	Receptor	Geographic	Temporal	Mitigation and	Likely Residual
	Ellect	(Sensitivity)	Scale	Scale	Monitoring	Effect
Western						Negligible
Development						neutral
Davalanmant						Negligible
Development						neutral
Eastern						Negligible
Development						neutral
Western		Road users of the				Minor Adverse /
Development		M40 (Low)				Neutral
Davidannant						Minor Adverse /
Development						Neutral

Climate Change and Greenhouse Gases

See Table 17.1.

Hydrology, Flood Risk and Drainage

Eastern Development		Surface water ditches (Medium) Groundwater table		Permanent	None required.	Negligible
Western	Changes to water		Local			Negligible
Development	quality	(Medium)	20041		Trono roquirou.	- Trogngliolo
The		(IVIEGIUITI)				Negligible
Development						
Eastern	Changes to					Negligible
Development	surface water	Groundwater table (Medium)	Local	Permanent	None required.	
Western	drainage and flood					Negligible
Development	risk –	,				
The Development	Development (exc. detailed site access and off-site pedestrian infrastructure)	People and property on and adjacent to the Site (High)				Negligible

Development	Effect	Receptor (Sensitivity)	Geographic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
Eastern Development	Changes to surface water	Surface water ditches (Medium)				Minor Beneficial
Western Development	drainage and flood	Groundwater table (Medium) People and property on and adjacent to the Site (High)	Local	Permanent	None required.	Minor Beneficial
The Development	and off-site pedestrian infrastructure		Local	remanent	None required.	Minor Beneficial
Eastern Development	Groundwater flood risk			Permanent	None required.	Negligible
Western Development		Groundwater table (Medium)	Local			Negligible
The Development						Negligible
Eastern Development		Surface water ditches (Medium)		Permanent	None required.	Negligible
Western Development	Changes in demand on foul	Groundwater table (Medium)	Local			Negligible
The Development	water drainage infrastructure	People and property on and adjacent to the Site (High)				Negligible
Eastern Development	Changes in					Negligible
Western Development	demand on potable water drainage infrastructure	People and property on and	and Local	Permanent	None required.	Negligible
The Development		adjacent to the Site (High)				Negligible

Table 17.3: Summary of Cumulative Effects – Construction

Development	Effect	Receptor (Sensitivity)	Geographic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect		
Socio-Economi	cs							
Enabling								
Works								
Eastern								
Development	Construction	Construction industry	Pagion	Temporary	None	Negligible (Peneficial)		
Western	Employment	(Low)	Region	тетпрогату	required	Negligible (Beneficial)		
Development								
The								
Development								
Transport and /	Access							
See Table 17.1								
Air Quality	Air Quality							
See Table 17.1								
Noise and Vibra	ation							
See Table 17.1								
Cultural Heritag	je							
	effects are identified							
Biodiversity								
The Development	Changes to the ecological features of Ardley Cutting and Quarry SSSI	High	National	Permanent	Details of mitigation and monitoring to be agreed with Natural England and CDC	Up to Moderate Adverse		

Development	Effect	Receptor (Sensitivity)	Geographic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
					at the Reserved Matters Stage in conjunction with other cumulative schemes.	
The Development	Ancient woodland at Stoke Wood LWS and Little Stoke Wood LWS	Medium	County	Permanent	Details of mitigation and monitoring to be agreed with Natural England and CDC at the Reserved Matters Stage in conjunction with other cumulative schemes.	Up to Moderate Adverse
The Development	Disturbance to birds	Low	District	Permanent	Creation of new neutral grassland, swales,	Minor adverse (local)

Development	Effect	Receptor (Sensitivity)	Geographic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect
					hedgerow and tree planting on-site and creation of neutral grassland and hedgerow planting off-site.	

Landscape and Visual

No cumulative effects are identified.

Climate Change and Greenhouse Gases

See Table 17.1.

Hydrology, Flood Risk and Drainage

See Table 17.1.

Table 17.4: Summary of Cumulative Effects – Completed Development

Development	Effect	Receptor (Sensitivity)	Geographic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect	
Socio-Economics Socio-Economics							
Eastern Development Western Development	Provision of employment floorspace	Local & District economy (low)	Local, District, Region	Permanent	None required	Moderate Beneficial at the Local and District level, Minor Beneficial at the Regional level	

Development	Effect	Receptor (Sensitivity)	Geographic Scale	Temporal Scale	Mitigation and Monitoring	Likely Residual Effect	
The							
Development							
Transport and A	Access						
See Table 17.2	2.						
Air Quality	Air Quality						
See Table 17.2	See Table 17.2.						
Noise and Vibra	ation						
See Table 17.2	2.						
Cultural Heritag	ge						
No cumulative	effects are identified.						
Biodiversity							
See Table 17.2	2.						
Landscape and	d Visual						
See Table 17.2	2.						
Climate Change	e and Greenhouse Gas	es					
See Table 17.1	1.						
Hydrology, Floo	od Risk and Drainage						

See Table 17.2.

#### 17.2 Monitoring

17.2.1 Prior to the commencement of works, targeted ecological surveys of protected species will be carried to determine presence/ absence of species once the seasonal survey windows allow. Should any presence be identified, monitoring of any translocated populations will be required.

#### Construction

- 17.2.2 Outside standard good practice site monitoring requirements during construction works (which are included within the Framework CEMPs), no further environmental monitoring requirements are identified.
- 17.2.3 Site-specific CEMPs will be prepared once a Principal Contractor is appointed and will include monitoring prescriptions during the construction phase for dust, noise and vibration. Details of monitoring techniques, duration and extent will be agreed with CDC once the Principal Contractor is appointed, and the final construction method is confirmed.
- 17.2.4 A Construction Traffic Management Plan (CTMP) will be prepared and submitted to CDC and Oxfordshire County Council (OCC), prior to commencement of on-Site works. The CTMP will ensure that a strategy for planning of the construction access routes will be implemented.

#### Completed Development

17.2.5 The Travel Plan will provide a monitoring mechanism for the target vehicle trips on-Site during operation of the Development.