Appendix E: Cumulative Effects Table

Receptor		Landscape Effects								
		Construction Phase		Construction Phase Residual Effects		Operational Phase at Year 1		Operational Phase Residual Effects (Year 15)		
Name	**Sensitivity**	**Magnitude**	**Significance**	**Magnitude**	**Significance**	**Magnitude**	**Significance**	**Magnitude**	**Significance**	**Description of Effects**
LCA 141: Cherry Green Arable Plateau	High	Effects resulting from the Proposed Development alone:								The Proposed Development and the Cumulative Scheme are located within LCA 141, and as such their implementation will have a direct effect on it. The effects of the Proposed Development in combination with the Cumulative Scheme are anticipated to be of a scale such that the cumulative effects will be a half-step greater than the effects of the Proposed Development alone. I.e., where the effects during construction and at Year 1 of the Proposed Development alone will be 'Minor Adverse', the cumulative effects during construction and at Year 1 will be 'Minor to Moderate Adverse'. Since the effects on LCA 141 at Year 15 of the Proposed Development will be Neutral, and the effects at Year 15 of the Cumulative Scheme will be Minor Beneficial, the combination of these will result in a cumulative effect that falls between the two, i.e., Negligible Beneficial.
		Very Small	Minor Adverse	Very Small	Minor Adverse	Very Small	Minor Adverse	Very Small	Neutral	
		Cumulative effects resulting from the Proposed Development and Cumulative Scheme:								
		Very Small to Small	Minor to Moderate Adverse	Very Small to Small	Minor to Moderate Adverse	Very Small to Small	Minor to Moderate Adverse	Very Small to Small	Negligible Beneficial	
LCA 142: High Rib Valley	High	Effects resulting from the Proposed Development alone:								Both the Proposed Development and the Cumulative Scheme are located outside LCA 142, and as such their implementation will have an indirect effect on it. However, the indirect cumulative effects are not considered likely to increase the level of significance of the effect beyond that identified for the construction or implementation of the Proposed Development alone, due to the comparative scale and the localised area affected.
		Very Small	Negligible Adverse	Very Small	Negligible Adverse	Very Small	Negligible Adverse	Very Small	Neutral	
		Cumulative effects resulting from the Proposed Development and Cumulative Scheme:								
		Very Small	Negligible Adverse	Very Small	Negligible Adverse	Very Small	Negligible Adverse	Very Small	Neutral	
The character of the Site and its immediate surroundings	High	Effects resulting from the Proposed Development alone:								The construction and implementation of the Proposed Development will have a direct effect on the character of the Site itself and an indirect effect on the Site's immediate surroundings. On the other hand, the Cumulative Scheme is located within the local context of the Site. As such, it will have a direct effect on the character of the Site's immediate surroundings, as well as an indirect effect on the character of the Site itself. The effects of the Proposed Development in combination with the Cumulative Scheme are anticipated to be of a scale such that the cumulative effects will be a half-step greater than the effects of the Proposed Development alone. I.e., where the effects at Year 1 of the Proposed Development alone will be 'Moderate Adverse', the cumulative effects at Year 1 will be 'Moderate to Major Adverse'.
		Small	Moderate Adverse	Small	Moderate Adverse	Medium	Moderate Adverse	Large	Minor Adverse	
		Cumulative effects resulting from the Proposed Development and Cumulative Scheme:								
		Small to Moderate	Moderate to Major Adverse	Small to Moderate	Moderate to Major Adverse	Medium to Large	Moderate to Major Adverse	Large	Minor to Moderate Adverse	
Native hedgerow		Scoped out of cumulative assessment								For the purposes of this assessment, cumulative effects on landscape features (i.e. native hedgerow, canopy trees and waterbodies) are considered holistically within the cumulative assessment as they are the constituent elements of the landscape character of the Site and its immediate surroundings, as well as of the wider LCA. As such, consideration of them as individual receptors has been scoped out of the cumulative assessment.
Canopy trees		Scoped out of cumulative assessment								
Waterbodies		Scoped out of cumulative assessment								
Pedestrians on PRoW immediately adjacent to the Site	Medium	Effects resulting from the Proposed Development alone:								Pedestrians on PRoW within and immediately adjacent to the Site will have concurrent views of the construction and implementation of the Proposed Development and the Cumulative Scheme. These will be near to medium distance views, and as such the cumulative effects at each stage will be a full step greater than the effects of the Proposed Development alone. I.e., where the effects at Year 1 of the Proposed Development alone will be 'Moderate Adverse', the cumulative effects at Year 15 will be 'Major Adverse'.
		Small	Minor Adverse	Very Small	Negligible Adverse	Medium	Moderate Adverse	Small	Minor Adverse	
		Cumulative effects resulting from the Proposed Development and Cumulative Scheme:								
		Medium	Moderate Adverse	Small	Minor Adverse	Large	Major Adverse	Medium	Moderate Adverse	
Pedestrians on PRoW within 0.5km of the Site	Medium	Effects resulting from the Proposed Development alone:								Pedestrians on PRoW within 0.5km of the Site will have concurrent views of the construction and implementation of the Proposed Development and the Cumulative Scheme. These will be near to medium distance views, and as such the cumulative effects at each stage will be a full step greater than the effects of the Proposed Development alone. I.e., where the effects at Year 1 of the Proposed Development alone will be 'Moderate Adverse', the cumulative effects at Year 15 will be 'Major Adverse'.
		Small	Minor Adverse	Very Small	Negligible Adverse	Medium	Moderate Adverse	Medium	Minor Adverse	
		Cumulative effects resulting from the Proposed Development and Cumulative Scheme:								
		Medium	Moderate Adverse	Small	Minor Adverse	Large	Major Adverse	Large	Moderate Adverse	

Receptor		Landscape Effects								
		Construction Phase		Construction Phase Residual Effects		Operational Phase at Year 1		Operational Phase Residual Effects (Year 15)		
Name	Sensitivity	Magnitude	Significance	Magnitude	Significance	Magnitude	Significance	Magnitude	Significance	Description of Effects
Pedestrians on PRoW 0.5km to 1km from the Site	Medium	Effects resulting from the Proposed Development alone:								Pedestrians on PRoW 0.5km to 1km from the Site will have concurrent and sequential views of the construction and implementation of the Proposed Development and the Cumulative Scheme. These will be medium to long distance views, and as such the cumulative effects at each stage will be a half-step greater than the effects of the Proposed Development alone. I.e., where the effects at Year 1 of the Proposed Development alone will be 'Minor Adverse', the cumulative effects at Year 1 will be 'Minor to Moderate Adverse'.
		Very Small	Negligible Adverse	Very Small	Negligible Adverse	Small	Minor Adverse	Very Small	Negligible Adverse	
		Cumulative effects resulting from the Proposed Development and Cumulative Scheme:								
		Very Small to Small	Negligible to Minor Adverse	Very Small to Small	Negligible to Minor Adverse	Small to Medium	Minor to Moderate Adverse	Very Small to Small	Negligible to Minor Adverse	
Pedestrians on PRoW on elevated land more than 1km from the Site	Medium	Effects resulting from the Proposed Development alone:								Pedestrians on PRoW on elevated land more than 1km from the Site will have concurrent and sequential views of the construction and implementation of the Proposed Development and the Cumulative Scheme. These will be long distance views, and as such the cumulative effects at each stage will be a half-step greater than the effects of the Proposed Development alone. I.e., where the effects at Year 1 of the Proposed Development alone will be 'Minor Adverse', the cumulative effects at Year 1 will be 'Minor to Moderate Adverse'.
		Very Small	Negligible Adverse	Very Small	Negligible Adverse	Small	Minor Adverse	Small	Negligible Adverse	
		Cumulative effects resulting from the Proposed Development and Cumulative Scheme:								
		Very Small to Small	Negligible to Minor Adverse	Very Small to Small	Negligible to Minor Adverse	Small to Medium	Minor to Moderate Adverse	Small to Medium	Negligible to Minor Adverse	
Users of principal roads within 0.5km of the Site	Low	Effects resulting from the Proposed Development alone:								Users of principal roads within 0.5km of the Site will have concurrent and sequential views of the construction and implementation of the Proposed Development and the Cumulative Scheme. Whilst these will be near to medium distance views, they will be highly transient, and as such the cumulative effects at each stage will be a half-step greater than the effects of the Proposed Development alone. I.e., where the effects at each stage of the Proposed Development alone will be 'Minor Adverse', the cumulative effects will be 'Minor to Moderate Adverse'.
		Small	Minor Adverse	Small	Minor Adverse	Medium	Minor Adverse	Medium	Minor Adverse	
		Cumulative effects resulting from the Proposed Development and Cumulative Scheme:								
		Small to Medium	Minor to Moderate Adverse	Small to Medium	Minor to Moderate Adverse	Medium to Large	Minor to Moderate Adverse	Medium to Large	Minor to Moderate Adverse	
Residents of dwellings within 0.5km of the Site	Medium	Effects resulting from the Proposed Development alone:								Residents of dwellings within 0.5km of the Site will have concurrent views of the construction and implementation of the Proposed Development and the Cumulative Scheme. These will be near to medium distance views, but visible from very few of the dwellings from which the Proposed Development alone will be visible at this distance (likely only How Green Farm). As such the cumulative effects at each stage will be a half-step greater than the effects of the Proposed Development alone. I.e., where the effects during construction and at Year 15 of the Proposed Development alone will be 'Moderate Adverse', the cumulative effects during construction and at Year 15 will be 'Moderate to Major Adverse'. However, the effects on these receptors anticipated to result at Year 1 of the Proposed Development are already at the highest level of significance. As such, any cumulative effects resulting from the Year 1 implementation of the Proposed Development in combination with the Year 1 implementation of the Cumulative Scheme will not increase the level of significance of the effect.
		Medium	Moderate Adverse	Medium	Moderate Adverse	Large	Major Adverse	Large	Moderate Adverse	
		Cumulative effects resulting from the Proposed Development and Cumulative Scheme:								
		Medium to Large	Moderate to Major Adverse	Medium to Large	Moderate to Major Adverse	Large	Major Adverse	Large	Moderate to Major Adverse	
Residents of dwellings 0.5km to 1km from the Site	Medium	Effects resulting from the Proposed Development alone:								Residents of dwellings 0.5km to 1km from the Site may have concurrent views of the construction and implementation of the Proposed Development and the Cumulative Scheme. If and where available, these will be medium to long distance views, and as such the cumulative effects at each stage will be a half-step greater than the effects of the Proposed Development alone. I.e., where the effects at Year 1 of the Proposed Development alone will be 'Minor Adverse', the cumulative effects at Year 1 will be 'Minor to Moderate Adverse'.
		Very Small	Negligible Adverse	Very Small	Negligible Adverse	Small	Minor Adverse	Small	Negligible Adverse	
		Cumulative effects resulting from the Proposed Development and Cumulative Scheme:								
		Very Small to Small	Negligible to Minor Adverse	Very Small to Small	Negligible to Minor Adverse	Small to Medium	Minor to Moderate Adverse	Small to Medium	Negligible to Minor Adverse	

Receptor		Landscape Effects								
		Construction Phase		Construction Phase Residual Effects		Operational Phase at Year 1		Operational Phase Residual Effects (Year 15)		
Name	Sensitivity	Magnitude	Significance	Magnitude	Significance	Magnitude	Significance	Magnitude	Significance	Description of Effects
Residents of dwellings on elevated land more than 1km from the Site	Medium	Effects resulting from the Proposed Development alone:								Residents of dwellings on elevated land more than 1km from the Site may have concurrent views of the construction and implementation of the Proposed Development and the Cumulative Scheme. If and where available, these will be long distance views, and as such the cumulative effects at each stage will be a half-step greater than the effects of the Proposed Development alone. I.e., where the effects at Year 1 of the Proposed Development alone will be 'Minor Adverse', the cumulative effects at Year 1 will be 'Minor to Moderate Adverse'.
		Very Small	Negligible Adverse	Very Small	Negligible Adverse	Small	Minor Adverse	Small	Negligible Adverse	
		Cumulative effects resulting from the Proposed Development and Cumulative Scheme:								
		Very Small to Small	Negligible to Minor Adverse	Very Small to Small	Negligible to Minor Adverse	Small to Medium	Minor to Moderate Adverse	Small to Medium	Negligible to Minor Adverse	
Workers at workplaces within 0.5km of the Site	Low	Effects resulting from the Proposed Development alone:								Workers at workplaces within 0.5km of the Site will have concurrent views of the construction and implementation of the Proposed Development and the Cumulative Scheme. Whilst these will be near to medium distance views, the Cumulative Scheme will be less prominent in views for these receptors than will the Proposed Development. As such the cumulative effects at each stage will be a half-step greater than the effects of the Proposed Development alone. I.e., where the effects at Year 1 of the Proposed Development alone will be 'Moderate Adverse', the cumulative effects at Year 1 will be 'Moderate to Major Adverse'.
		Medium	Minor Adverse	Medium	Minor Adverse	Large	Moderate Adverse	Large	Minor Adverse	
		Cumulative effects resulting from the Proposed Development and Cumulative Scheme:								
		Medium to Large	Minor to Moderate Adverse	Medium to Large	Minor to Moderate Adverse	Large	Moderate to Major Adverse	Large	Minor to Moderate Adverse	

Value of the receptor: High, Medium or Low

Susceptibility of the receptor: High, Medium or Low

Sensitivity of the receptor: High, Medium or Low

Magnitude of the effect: Large, Medium, Small, Very Small or None

Significance of the effect: Major Beneficial, Moderate Beneficial, Minor Beneficial, Negligible Beneficial, Neutral, Negligible Adverse, Minor Adverse, Moderate Adverse or Major Adverse