

Elle Gardens, Galgate, Lancaster  
Environmental Statement: Summary of Effects Table

Nov-20

Issue 1

Topic Area	Description of Effect	Geographical level of importance of Issue					Nature of effect without mitigation				Mitigation Measure(s)	Nature of effect with mitigation
		International	National	Regional	District	Local	Impact	Duration	Permanence	Significance		
<b>Landscape Impact</b>												
	Landscape Character 5i			x			Neutral	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	Landscape Character 12a			x			Minor beneficial	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	Landscape Character 15			x			Minor beneficial	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	The site and its immediate settings					x	Minor - Moderate Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	Site features					x	Moderate beneficial	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	Circulation											
<b>Visual Impact</b>												
	1.0 PRow 1-13 13 within the site: pedestrians					x	Major - Moderate Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	2.0 PRow 1-13 52 within the site: pedestrians					x	Major - Moderate Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	3.0 PRow 1-13 4 within the site: pedestrians					x	Major - Moderate Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	4.0 Lancaster Canal and Glasson Branch Towpaths: pedestrians					x	Major - Moderate Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	5.0 PRow 2-11 26 and 1-12 13 to the south of the site: pedestrians					x	Moderate - Minor Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	6.0 PRow 1-33 11 to the west of the site: pedestrians					x	Moderate - Minor Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	7.0 PRow 1-33 13, 1-33 9, 1-13-11 and 1-33 7 to the west of the site: pedestrians					x	Moderate - Minor Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant

	8.0 PProWs 1-13 3 to the north of the site: pedestrians					x	Moderate - Minor Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	9.0 PProWs 1-13 18 and 1-13 16 to the east of the site: pedestrians					x	Moderate - Minor Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	9.0 PProWs 1-13 18 and 1-13 16 to the east of the site: pedestrians 10. Existing access track to Ellel Grange and Home Farm within the site: motorists and pedestrians					x	Moderate - Minor Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	11.0 A6 Preston Lancaster Road to the east of the site: pedestrians and motorists					x	Moderate - Minor Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
	12.0 Hampson Lane and Unnamed Road to the east of the site: pedestrians and motorists					x	Moderate - Minor Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
						x	Moderate - Minor Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
						x	Moderate - Minor Adverse	Short Term	Temporary	Not significant	Landscape design has been implemented and the landscape spaces around the scheme would be managed in accordance with a management plan. Residual effects are considered 15 years post completion, when the proposed vegetation is established.	Not significant
<b>Traffic and Transport</b>												
	Severance					x	Negligible	While site open	Permanent	Negligible	No further action	Negligible
	Driver Delay					x	Minor	While site open	Permanent	Moderate-Minor-Adverse	Travel Plan and bus service to Lancaster	Negligible
	Pedestrian Delay					x	Negligible	While site open	Permanent	Negligible	No further action	Negligible
	Pedestrian/Cyclist Amenity					x	Minor	Benefits community/all hours	Permanent	Moderate-Minor-Beneficial	No further action	Moderate-Minor-Beneficial
	Road Safety					x	Minor	Benefits community/all hours	Permanent	Moderate-Minor-Beneficial	No further action	Moderate-Minor-Beneficial
	Public Transport					x	Negligible	While site open	Permanent	Negligible	No further action	Negligible
	Dust & Dirt					x	Negligible	Construction hours	Construction Phase	Negligible	No further action other than Construction Management Plan	Negligible
<b>Ecology</b>												
<b>Designated sites</b>												
	Morecambe Bay and Duddon Estuary Special Protection Area (SPA) and Morecambe Bay Ramsar Site		X				Recreational pressure	In operation	Permanent	Likely negative significant	The provision and distribution of guest information packs, to inform visitors of the sensitivity of this feature.	No significant residual effect
	Ellel Grange Woods, BHS (Biological Heritage Site)		X				Loss and damage of habitat	Construction and in operation	Permanent	Negative significant	Protection of habitat and provision of new woodland habitat with connectivity to this feature	No significant residual effect
	Lancaster Canal BHS		X				Damage to habitat and disturbance of species	Construction and in operation	Permanent	Negative significant	Protection of habitat, provision of a buffer, and use of SuDS	No significant residual effect
<b>Habitats</b>												
	Woodland					X	Loss and damage of habitat	Construction and in operation	Permanent	Negative significant	Protection of habitat and provision of new woodland habitat	No significant residual effect
	Trees					X	Damage to habitat	Construction and in operation	Permanent	Negative significant	Protection of habitat and sensitive management	No significant residual effect
	Ditches					X	Damage to habitat	Construction and in operation	Permanent	Negative significant	Protection of habitat	No significant residual effect
	Hedgerows					X	Loss and damage of habitat	Construction and in operation	Permanent	Negative significant	Protection of habitat and provision of new habitat	No significant residual effect
	Wetland Complex					X	Loss and damage of habitat	Construction and in operation	Permanent	Negative significant	Protection of habitat and provision of new habitat	No significant residual effect
	Semi-improved neutral grassland					X	Loss and damage of habitat	Construction and in operation	Permanent	Negative significant	Protection of retained habitat and improved management of new habitat	No significant residual effect
	Improved grassland					X	Total loss	Construction	Permanent	Negative significant	None	Negative significant residual effect

	Unimproved acid grassland					X	Damage to habitat	Construction and in operation	Permanent	Negative significant	Protection of habitat and sensitive management	No significant residual effect
	Inland Rock Outcrop					X	Damage to habitat	Construction and in operation	Permanent	Negative significant	Protection of habitat and sensitive design	No significant residual effect
	Ponds					X	Damage to habitat	Construction and in operation	Permanent	Negative significant	Protection of habitat and sensitive design	No significant residual effect
	<b>Fauna</b>											
	Invertebrates					X	Loss of habitat and disturbance	Construction and in operation	Permanent	Negative significant	Protection of habitats, sensitive lighting and sensitive design. New habitat provision.	No significant residual effect
	Nesting birds					X	Loss of habitat, nest destruction and disturbance	Construction and in operation	Permanent	Negative significant	Timing of works or pre-works inspections and protection of habitats/sensitive areas. Provision of new habitat.	No significant residual effect
	Foraging birds					X	Loss of habitat and disturbance	Construction and in operation	Permanent	Negative significant	Protection of habitats. Provision of new habitat and improved management of habitat.	No significant residual effect
	Badger					X	Death, loss of habitat and disturbance	Construction and in operation	Permanent	Negative significant	Vehicle speed restrictions, exclusion zones and protection of habitats. Provision of new habitat.	No significant residual effect
	Foraging and commuting bats					X	Loss of habitat and disturbance	Construction and in operation	Permanent	Negative significant	Sensitive lighting scheme. Provision of new habitat.	No significant residual effect
	Roosting bats - trees					X	Disturbance and roost destruction.	Construction and in operation	Permanent	Negative significant	Retention of all bat roosts. Sensitive lighting scheme. Sensitive tree management.	No significant residual effect
	Roosting bats – Home Farm buildings					X	Disturbance	Construction and in operation	Permanent	Negative significant	Monitoring. Sensitive lighting scheme.	No significant residual effect
	Otter					X	Death/disturbance	Construction and in operation	Permanent	Negative significant	Protection of habitats. Provision of new habitat and improved management of habitat.	No significant residual effect
	Hedgehog					X	Death/disturbance	Construction and in operation	Permanent	Negative significant	Sensitive working methodology and protection of habitats. Provision of new habitat.	No significant residual effect
	Brown hare					X	Loss of habitat and disturbance	Construction and in operation	Permanent	Negative significant	Sensitive working methodology and protection of habitats.	Negative significant residual effect
	<b>Air Quality</b>											
	Dust soiling impacts associated with fugitive emissions during construction					x	High	Short Term	Temporary	Major	Suitable mitigation measures identified in Chapter 10, Table 10.26 would be detailed in the CEMP to control effects to an acceptable level	Negligible/Not Significant
	Impacts at human health receptors associated with fugitive dust emissions during construction					x	Low	Short Term	Temporary	Minor	Suitable mitigation measures identified in Chapter 10, Table 10.26 would be detailed in the CEMP to control effects to an acceptable level	Negligible/Not Significant
	Impacts associated with road vehicle exhaust emissions during operation					x	Negligible	Long Term	Permanent	Negligible	Further mitigation to reduce potential impacts is not considered necessary. However, measures should be considered for inclusion within the proposals in accordance with standard mitigation set out in the LCC 'Low Emissions and Air Quality' PAN: Provision of EV charge points and adoption of a CEMP. A Framework Travel Plan has also been produced detailing additional measures.	Negligible/Not Significant
	<b>Heritage</b>											
	Site 1 - Roman road				Yes		Adverse	Substantial	Substantial	Substantial	Geophysical survey, archaeological evaluation/excavation	Minor
	Site 2 - Canal		Yes				Moderate	Moderate	Moderate	Moderate	Non	n/a
	Site 11 - Earthwork (trackway)					Yes	Adverse	Substantial	Substantial	Substantial	Geophysical survey, topographical survey, archaeological evaluation/excavation	Minor
	Site 15 - Earthwork (field boundary)					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, topographical survey, archaeological evaluation/excavation	Minor
	Site 20 - Earthwork (boundary/trackway)					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological, topographical survey, evaluation/excavation	Minor
	Site 24 - Earthwork (lynchet)					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological, topographical survey, evaluation/excavation	Minor
	Site 26 - Earthwork (field system)					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological, topographical survey, evaluation/excavation	Minor
	Site 27 - Earthwork (trackway)					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological, topographical survey, evaluation/excavation	Minor
	Site 28 - Lime kiln/coke kiln					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological evaluation/excavation	Minor
	Site 29 - Quarry					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological evaluation/excavation	Minor
	Site 31 - Earthwork (field system)					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological, topographical survey, evaluation/excavation	Minor
	Site 32 - Keeper's lodge					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological evaluation/excavation	Minor
	Site 33 - Milestone					Yes	Substantial	Substantial	Substantial	Substantial	Archaeological recording, retain on site	Negligible
	Site 35 - Earthwork (trackway)					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological, topographical survey, evaluation/excavation	Minor
	Site 36 - Gate lodge					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological evaluation/excavation	Minor
	Site 38 - Grange					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological evaluation/excavation	Minor
	Site 43 - Canal bridge		Yes				Moderate	Moderate	Moderate	Moderate	Non	n/a
	Site 59 - Earthwork (ridge and furrow)					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological, topographical survey, evaluation/excavation	Minor
	Site 60 - Quarry					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological evaluation/excavation	Minor

	Site 61 - Earthworks (lynchets)					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological, topographical survey, evaluation/excavation	Minor
	Site 62 - Earthworks (field system)					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological, topographical survey, evaluation/excavation	Minor
	Site 63 - Earthwork (lynchet)					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological, topographical survey, evaluation/excavation	Minor
	Site 64 - Memorial					Yes	Substantial	Substantial	Substantial	Substantial	Archaeological recording, retain on site	Negligible
	Site 65 - Earthwork (mound)					Yes	Substantial	Substantial	Substantial	Substantial	Geophysical survey, archaeological, topographical survey, evaluation/excavation	Minor
<b>Climate Change</b>												
	GHG emissions from the construction of the Proposed Development					x	High	Short term	Temporary	Minor adverse	where feasible, carrying out measures to reduce GHG emissions from material use and waste Development and implementation of plan to reduce energy consumption and GHG emissions; Production of CEMP to consider dangers of working in extreme weather conditions; Consideration of the use of construction materials with superior properties (such as increased tolerance to fluctuating temperatures) to be included within detailed designs; Inclusion of flood compensation areas and compensatory floodplain within the design to account for future climate change	Minor
	GHG emissions from the operation of the proposed Development					x	High	Long term	Permanent	Minor adverse	Regular maintenance of assets; Procedures in place for severe weather events	Minor