

Table 14.7										
Assessment of potential impact on Flora and Fauna										
Issue	Description of impact	Geographical significance					Impact	Nature	Significance	Mitigation measures
		I	N	R	D	L				
Impacts on habitats	<b>Construction phase:</b> Construction may cause a loss of woodland, agricultural land and hedges.					*	Adverse	St	Slight adverse	Proposed planting of native species.
	<b>Operational phase:</b> Development may lead to loss of woodland, agricultural land and hedges.					*	Beneficial	Lt	Neutral - Slight beneficial	Maturing of planted native species.
Impacts on breeding birds	<b>Construction phase:</b> Impacts on nesting and foraging.					*	Adverse	St	Slight adverse	Tree felling outside of bird nesting season
	<b>Operational Phase:</b> Impacts on nesting and foraging birds.					*	Neutral	Lt	Neutral - Slight beneficial	New native planting.
Impacts on protected species	<b>Construction phase:</b> Impacts on protected species including: Otter (none found), Hare (none found), Great Crested Newt (none found), Badger (none found), Bats (foraging), Barn Owl (Possibly foraging - no evidence).					*	Beneficial	St	None - Slight beneficial	
	<b>Operation phase:</b> Impacts on protected species including: Otter (none found), Hare (none found), Great Crested Newt (none found), Badger (none found), Bats (foraging), Barn Owl (Possibly foraging - no evidence).					*	Adverse	Lt	Neutral - Slight beneficial	New grassland will provide foraging for Barn Owl and Bats.
<b>No other protected species would be affected by the development.</b>										
Key										
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Table 14.2										
Cultural heritage - summary assessment matrix										
Issue	Description of impact	Geographical significance					Impact	Nature	Significance	Mitigation measures
		I	N	R	D	L				
The destruction of potential for archaeological remains during excavation of the site	<b>Construction phase:</b> Geophysical survey detected anomalies reflecting past agricultural land use but the trial trenching found no significant features.					*	None	---	None	No mitigation measure required.
	<b>Operational phase:</b>								None	
Effect on listed buildings and conservation area	<b>Construction phase:</b>		*				Neutral	Lt, Ir	Negligible	No mitigation measure required.
	<b>Operational phase:</b>						Neutral	Lt, Ir	Negligible	No mitigation measure required.
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Table 14.6										
Noise - summary assessment matrix										
Issue	Description of impact	Geographical significance					Impact	Nature	Significance	Mitigation measures
		I	N	R	D	L				
Construction noise	<b>Construction phase:</b> Construction methods not yet finalised, although construction activity at the site could be audible at the identified properties.					*	Adverse	St	Slight	No mitigation measure required other than construction management governed by condition.
Road traffic noise	<b>Operational phase:</b> Noise prediction calculations suggest the proposed development would lead to a short term increase in traffic noise. However, such a noise impact is assessed as being slight adverse with a slight probability of being perceptible.					*	Adverse	Lt	Slight	No mitigation required (noise attenuation barriers in place)
Crowd noise	<b>Operational phase:</b>					*	Adverse	Lt	Slight	No mitigation required
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Table 14.1										
Visual impacts - summary assessment matrix										
Issue	Description of impact	Geographical significance					Impact	Nature	Significance	Mitigation measures
		I	N	R	D	L				
Visual impact	<b>Construction phase</b> : Visual impacts on surrounding properties (Devonport,Dainton Crescent Warrington Crescent, Chestnut Crescent, Shiney Row, Aster Terrace).					*	Adverse	St	Slight adverse - Moderate adverse	Planting of native trees.
	<b>Construction phase</b> : Visual impacts on roads (Staddon Way, Coaley Lane and Blind Lane).					*	Adverse	St	Moderate adverse	Planting of native trees.
	<b>Construction phase</b> : Visual impacts on footpaths. (Footpath 60, railway cutting path, path from Newbottle to Philadelphia).					*	Adverse	St	Slight adverse - Moderate adverse	Planting of native trees.
	<b>Operational phase</b> : Visual impacts on surrounding properties (Devonport,Dainton Crescent Warrington Crescent, Chestnut Crescent, Shiney Row, Aster Terrace).					*	Beneficial	Lt	Slight beneficial	Maturing of native trees.
	<b>Operational phase</b> : Visual impacts on roads (Staddon Way, Coaley Lane and Blind Lane).					*	Beneficial	Lt	Slight beneficial - Moderate beneficial	Maturing of native trees.
	<b>Operational phase</b> : Visual impacts on footpaths (Footpath 60, railway cutting path, path from Newbottle to Philadelphia).					*	Beneficial	Lt	Slight beneficial - beneficial	Maturing of native trees.
Sensitive receptors	<b>Construction phase</b> : The development may alter the setting of sensitive receptors		*				Neutral	St	Negligible	None necessary
	<b>Operational phase</b> : The development may alter the setting of the sensitive receptors.		*				Neutral	Lt	Negligible	None necessary
Effect on local landscape character and amenity open space	<b>Construction phase</b> : The construction of the development may have an impact on landscape character					*	Neutral	St	Negligible	None necessary
	<b>Operational phase</b> : The development may have an impact on landscape character.					*	Neutral	Lt	Negligible	None necessary
Effect on Character of Newbottle	<b>Construction phase</b> : The construction of the development may have an impact on the character of Newbottle					*	Neutral	St	Negligible	None necessary
	<b>Operational phase</b> : The development may have an impact on landscape character.					*	Neutral	Lt	Negligible	None necessary
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Table 14.4										
Surface Water - summary assessment matrix										
Issue	Description of impact	Geographical significance					Impact	Nature	Significance	Mitigation measures
		I	N	R	D	L				
The release of water potentially polluted water as a result of construction work at the proposed development site.	<b>Construction phase:</b> Mixing of cement and concrete, construction sewerage, erosion of soils stockpiles					*	Adverse	St	Negligible	Construction management governed by planning condition
Risk of pluvial flooding (flooding resulting from rain).	<b>Operational phase:</b> drainage from pitches					*	Adverse	Lt	Negligible	Surface water drainage scheme condition approved
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Table 14.3 Ground Conditions (includes groundwater) - summary assessment matrix										
Issue	Description of impact	Geographical significance					Impact	Nature	Significance	Mitigation measures
		I	N	R	D	L				
Shallow mining in the area	<p><b>Operational phase:</b> Structural harm to buildings may arise from inadequate foundations or the presence of shallow mine workings.</p>				*	Adverse	L, St	Minor - Negligible	- Founding through the surface ground material into more competent in situ clay deposits. - Cut and fill earthworks will be used to create a level platform.	
	<p><b>Operational phase:</b> Instability of roof strata associated with such workings could have the potential for the formation of crown hole type collapse features at the surface, with a consequent threat to any built structures at the surface.</p>				*	Adverse	L, St	Minor - Negligible	- Stabilise shallow mine workings by drilling/ pressure grouting. - Ensure adequate foundations are in place.	
Presence of PAH and/or dioxins and furans	<p><b>Construction phase:</b> Potential impact to site construction workers from PAH and/or dioxins and furans. This may be through dermal contact with soil and (possibly) soil ingestion within the areas of construction.</p>				*	Adverse	L, St	Negligible	Ensure site workers adopt good working practices (such as hand washing and boot washing to remove mud).	
	<p><b>Operational phase:</b> Potential impact to future site users from PAH and/or dioxins and furans. This may be by dermal contact with soil and (possibly) soil ingestion within the made ground in the phase 2 and 3 areas.</p>				*	Adverse	L, St	Negligible	- Removal of either the pollutant source or pathway by importing clean cover material (such as topsoil if required) or using clean material from elsewhere on the site to form the uppermost development surface for the proposed playing fields. - Layer of hardstanding for car parking will also remove link between source and receptor. - Introduction of cut and fill earthworks to create level development platform also removes link between source and receptor.	
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Table Air quality - summary									
Issue	Description of impact	Geographical significance					Impact	Nature	Significance
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Carbon Loss	<b>Construction phase:</b> Felling of trees would release a small amount of carbon dioxide into the atmosphere.	*					Adverse	St	Negligible
Dust	<b>Construction phase:</b> Potential for dust as a result of construction activities.						Slight adverse	St	Negligible
Vehicle Emissions	<b>Operational phase:</b> Emissions from vehicles to air when site use commences.					*	Slight adverse	St	Negligible
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