

Heronbridge College Sports-field Development Portion 112 of the farm Nietgedacht

IMPACTS					CONSEQUENCE			PROBABILITY	SIGNIFICANCE (WOM)	CONFIDENCE	MANAGEMENT & MITIGATION MEASURES	MITIGATION EFFICIENCY	SIGNIFICANCE (WM)	DEGREE		
TYPE	DESCRIPTION	ALTERNATIVE	CUMULATIVE	NATURE	Extent (A)	Duration (B)	Intensity (C)	Probability (P)	Before Mitigation				After Mitigation	LOSS RESOURCE	REVERSABILITY	
CONSTRUCTION PHASE																
Atmospheric Emissions	Direct	Dust emissions	Proposal	Yes	Negative	Neighbouring	Incidental	Low	Definite	Low	High	<ul style="list-style-type: none"> A speed limit of 20km/h must be maintained on all dirt roads. Dust suppression by means of either water or biodegradable chemical agent is required. 	High	Low	No Loss	Reversible
			Alternative 1			Neighbouring	Incidental	Low	Definite	Low	High		High	Low	No Loss	Reversible
			Alternative 2			Neighbouring	Incidental	Low	Definite	Low	High		High	Low	No Loss	Reversible
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None		High	Not Applicable	None	None
	Direct	Emissions from vehicles and equipment (CO2, NOx, SOx, VOC's etc.)	Proposal	Yes	Negative	Neighbouring	Incidental	Low	Definite	Low	High	<ul style="list-style-type: none"> In terms of transportation of workers and materials, collective transportation arrangements should be made to reduce individual car journeys where possible. All vehicles used during the project should be properly maintained and in good working order. All vehicles and other machinery should comply with road worthy requirements and comply with legislation in terms of allowable emissions 	Low	Low	No Loss	Reversible
			Alternative 1			Neighbouring	Incidental	Low	Definite	Low	High		Low	Low	No Loss	Reversible
			Alternative 2			Neighbouring	Incidental	Low	Definite	Low	High		Low	Low	No Loss	Reversible
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None		High	Not Applicable	None	None
Noise	Direct	Noise increase due to construction activities	Proposal	Yes	Negative	Neighbouring	Incidental	Low	Definite	Low	High	<ul style="list-style-type: none"> Equipment and/or machinery which will be used must comply with the manufacturer's specifications on acceptable noise levels. Construction activities should be limited to daytime only. 	Low	Low	No Loss	Reversible
			Alternative 1			Neighbouring	Incidental	Low-Medium	Definite	Low	High		Low	Low	No Loss	Reversible
			Alternative 2			Neighbouring	Incidental	Low	Definite	Low	High		Low	Low	No Loss	Reversible
			No-Go Option	Not Applicable	Not Applicable	None	None	None	Definite	None	High		Not Applicable	None	None	No Loss
Direct	Sewage	Proposal	No	Negative	Site	Incidental	Low-Medium	Possible	Low	High	<ul style="list-style-type: none"> The preferred design does not cross any watercourses and is not in close proximity to any wetlands as such minimal impacts apply. Thus to manage impacts to surface water, the preferred design should be implemented. Chemical toilets must be supplied and maintained during the construction phase Ablution facilities (chemical toilets) are to be provided by the Contractor, at a ratio of 1:10. Ablution facilities (chemical toilets) must be erected within 100m from all workplaces but within the development footprint. Toilets are to be secured to the ground, and must have a closing mechanism. Toilet paper must be provided at these facilities and must be serviced once per week. Certified contractors to maintain and remove chemical toilets regularly. The contractor must ensure that spillage does not occur when toilets are cleaned/serviced and contents must be appropriately stored and disposed of. 	Medium	Low	No Loss	Reversible	
		Alternative 1			Site	Incidental	Low-Medium	Possible	Low	High		Medium	Low	No Loss	Reversible	

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Discharge to Water		Alternative 2			Site	Incidental	Low-Medium	Possible	Low	High	<ul style="list-style-type: none"> • must be properly stored and disposed of. • Discharge of waste into the environment and/or burial of waste are strictly prohibited. • Sanitary arrangements must be to the satisfaction of the PM, ECO, the local authorities and the applicable legal requirements. 	Medium	Low	No Loss	Reversible	
		No-Go Option	Not Applicable	Not Applicable	None	None	None	Definite	None	High	Not Applicable	None	None	No Loss	Reversible	
	Indirect	Silt	Proposal			Neighbouring	Short-term	Low-Medium	Possible	Low	High	<ul style="list-style-type: none"> • The preferred design does not cross any watercourses and is not in close proximity to any wetlands as such minimal impacts apply. Thus to manage impacts to surface water, the preferred design should be implemented. • Instability and erosion of steep slopes must be stabilised immediately. Re-vegetation in consultation with landscape architect and ECO should be done if and where required. 	Medium	Low	No Loss	Reversible
			Alternative 1	No	Negative	Local	Short-term	Medium-High	Likely	Low-Medium	High	<ul style="list-style-type: none"> • To reduce the loss of material by erosion, disturbance must be kept to a minimum. • If clearing of slopes occur within the rainy season, earth berms must be created along the up-slope side of the construction area. • Where possible, natural vegetation should be retained to reduce the risk of erosion. 	Low	Low	No Loss	Reversible
			Alternative 2			Neighbouring	Short-term	Low-Medium	Possible	Low	High	<ul style="list-style-type: none"> • Silt fences must be used to stabilise the site, reduce erosion and silt entering the natural environment. No unchecked silt may enter the natural environment. 	Medium	Low	No Loss	Reversible
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible
	Direct	Surface water run-off	Proposal			Site	Incidental	Low-Medium	Likely	Low	High	<ul style="list-style-type: none"> • Storm water management during construction will be implemented however, as the preferred design does not cross any watercourses and is not in close proximity to any wetlands, thus to manage impacts to surface water, the preferred design should be implemented. 	Medium	Low	No Loss	Reversible
			Alternative 1	Yes	Negative	Site	Short-term	Medium	Likely	Low	High	<ul style="list-style-type: none"> • Increased run-off during construction should be managed using berms, temporary cut-off drains, attenuation ponds or other suitable structures, in consultation with the ECO and resident Engineer. • Stormwater management system is to be installed as soon as possible following site establishment, to attenuate stormwater during the construction phase, as well as during the operational phase. 	Low	Low	No Loss	Reversible
			Alternative 2			Site	Incidental	Low-Medium	Likely	Low	High	<ul style="list-style-type: none"> • Surface-water run-off and stormwater must be directed away from trenches and areas of excavation. 	Medium	Low	No Loss	Reversible
			No-Go Option	No	Negative	Site	Short-term	Medium	Likely	Low	High	Not Applicable	None	Low	No Loss	Reversible
			Proposal			Site	Incidental	Low-Medium	Possible	Low	High	<ul style="list-style-type: none"> • The preferred design does not cross any watercourses and is not in close proximity to any wetlands as such minimal impacts apply. Thus to manage impacts to surface water, the preferred design should be implemented. • Drip trays must be placed under all vehicles when immobile for longer than 24 hours. Vehicles suspected of leaking must be monitored and conduct a pre start-up inspection checklist. 	Medium	Low	No Loss	Reversible

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Direct	Contamination of water from hazardous substances	Alternative 1	No	Negative	Neighbouring	Incidental	Medium	Likely	Low	High	<ul style="list-style-type: none"> Drip trays must be checked and replaced for vehicles standing (parked) for prolonged periods. Drip trays must be of a sufficient size and volume to collect any hydrocarbon leakages from a stationary vehicle. Spill kits (absorbent material) must be available on site and in all vehicles that transport hydrocarbons for dispensing to other vehicles on the construction site. Spilled substances must be contained in impermeable containers for removal to a licensed hazardous waste site. Significant spills should be reported to the Project Manager or Contractors Manager and ECO who should report this to the relevant authority 	Low	Low	No Loss	Reversible
		Alternative 2			Site	Incidental	Low-Medium	Possible	Low	High		Medium	Low	No Loss	Reversible
		No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	Low	None	No Loss
Direct	Disturbance of natural system	Proposal			Site	Incidental	Low-Medium	Likely	Low	High	<ul style="list-style-type: none"> The preferred design does not cross any watercourses and is not in close proximity to any wetlands as such minimal impacts apply. Thus to manage impacts to surface water, the preferred design should be implemented. Ensure that all workers or equipment remain within development footprint. 	Medium	Low	No Loss	Reversible
		Alternative 1	Yes	Negative	Neighbouring	Incidental	Medium	Highly Likely	Low-Medium	High		Low	Low	Partial	High Degree
		Alternative 2			Site	Incidental	Low-Medium	Likely	Low	High		Medium	Low	No Loss	Reversible
		No-Go Option	Not Applicable	Not Applicable	Neighbouring	Permanent	Medium	Definite	Medium	High	<ul style="list-style-type: none"> It must be noted that if the proposed activities do not proceed, the site in its current form will continue to degrade, especially within the drainage area due to historical dumping. 	Low	Medium	Substantial	Medium Degree
Direct	Disturbance of aquatic ecological systems	Proposal			Site	Incidental	Low-Medium	Likely	Low	High	<ul style="list-style-type: none"> The preferred design does not cross any watercourses and is not in close proximity to any wetlands as such minimal impacts apply. Thus to manage impacts to surface water, the preferred design should be implemented. Ensure that all workers or equipment remain within development footprint. 	Medium	Low	No Loss	Reversible
		Alternative 1	No	Negative	Neighbouring	Incidental	Medium	Highly Likely	Low-Medium	High		Low	Low	Partial	High Degree
		Alternative 2			Site	Incidental	Low-Medium	Likely	Low	High		Medium	Low	No Loss	Reversible
		No-Go Option	Not Applicable	Not Applicable	Neighbouring	Permanent	Medium	Definite	Medium	High	<ul style="list-style-type: none"> It must be noted that if the proposed activities do not proceed, the site in its current form will continue to degrade, especially within the drainage area due to historical dumping. 	Low	Medium	Substantial	Medium Degree
Indirect	Domestic waste	Proposal			Local	Short-term	Low	Definite	Low-Medium	High	<ul style="list-style-type: none"> Waste recycling to be put in place. Solid waste shall only be stored in the designated general waste storage area which must be enclosed and impermeable. All solid waste shall be disposed of by a certified contractor, off-site, at an approved landfill site. The Contractor shall supply the ECO with a certificate of disposal for auditing purposes. 	Medium	low	No Loss	Reversible
		Alternative 1	No	Negative	Local	Short-term	Low-Medium	Definite	Low-Medium	High		Medium	low	No Loss	Reversible
		Alternative 2			Local	Short-term	Low	Definite	Low-Medium	High		Medium	low	No Loss	Reversible
		No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	No Loss
Direct	Construction waste	Proposal			Local	Short-term	Low-Medium	Definite	Low-Medium	High	<ul style="list-style-type: none"> Litter (from outside the camp included) and concrete bags etc. must be collected and put into suitable closed bins on a daily basis. Construction rubble must be disposed of at a registered site No Construction rubble may be used for infilling. 	Medium	Low	No Loss	Reversible
		Alternative 1	Yes	Negative	Local	Short-term	Medium	Definite	Low-Medium	High		Low	Low	No Loss	Reversible
		Alternative 2			Local	Short-term	Low-Medium	Definite	Low-Medium	High		Medium	Low	No Loss	Reversible

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		No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible	
Direct	Soil pollution	Proposal			Site	Incidental	Medium	Possible	Low	High	<ul style="list-style-type: none"> All vehicle/equipment maintenance and washing must be done in the workshop area, equipped with a bund wall and grease trap oil separator. Workshop area must be monitored for fuel and oil spills. Spills must be cleaned up immediately and remediated to the satisfaction of the ECO and PM. Spill kits must be comprehensive and available on site at all times. An adequate supply of absorbent material must be available to accommodate emergency spills. 	Low	low	No Loss	Reversible	
		Alternative 1	No	Negative	Site	Incidental	Medium	Likely	Low	High		Low	low	No Loss	Reversible	
		Alternative 2			Site	Incidental	Medium	Possible	Low	High		Low	low	No Loss	Reversible	
		No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible
Resource Consumption	Direct	Electricity consumption	Proposal			Neighbouring	Long-term	Low	Definite	Low-Medium	High	<ul style="list-style-type: none"> During the construction phase the contractors will mainly make use of generators. The nature of the project will not require high levels of electricity usage as most of the construction will make use of plant equipment Energy efficient/ saving technology must be incorporated within the design, during construction and for operations. 	Low	low	No Loss	Reversible
			Alternative 1	Yes	Negative	Neighbouring	Long-term	Low-Medium	Definite	Low-Medium	High		Low	low	No Loss	Reversible
			Alternative 2			Neighbouring	Long-term	Low	Definite	Low-Medium	High		Low	low	No Loss	Reversible
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	No Loss
	Direct	Water consumption	Proposal			Local	Short-term	Low-Medium	Definite	Low-Medium	High	<ul style="list-style-type: none"> Enforce water saving strategies. Environmental awareness training. 	Low	low	Partial	High Degree
			Alternative 1	Yes	Negative	Local	Short-term	Low-Medium	Definite	Low-Medium	High		Low	low	Partial	High Degree
			Alternative 2			Local	Short-term	Low-Medium	Definite	Low-Medium	High		Low	low	Partial	High Degree
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	No Loss
	Direct	Fuel consumption	Proposal			Neighbouring	Short-term	Low	Definite	Low	High	<ul style="list-style-type: none"> Record and monitor fuel consumption Keep fuel consumption on record Reduce theft of fuel (increase security) Implement safe refuelling procedures if refuelling on site. 	Low	low	Partial	High Degree
			Alternative 1	Yes	Negative	Neighbouring	Short-term	Low	Definite	Low	High		Low	low	Partial	High Degree
			Alternative 2			Neighbouring	Short-term	Low	Definite	Low	High		Low	low	Partial	High Degree
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	Partial
	Direct	Raw materials consumption	Proposal			Neighbouring	Incidental	Low-Medium	Highly Likely	Low	Medium	<ul style="list-style-type: none"> Promote effective use of raw material. Incorporate alternative materials within design. 	Low	Low	Partial	High Degree
			Alternative 1	Yes	Negative	Neighbouring	Incidental	Low-Medium	Highly Likely	Low	Medium		Low	Low	Partial	High Degree
			Alternative 2			Neighbouring	Incidental	Low-Medium	Highly Likely	Low	Medium		Low	Low	Partial	High Degree
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	Medium	Not Applicable	None	None	Partial
Direct	Loss of habitat	Proposal			Site	Permanent	Medium	Highly Likely	Medium	High	<ul style="list-style-type: none"> The preferred design minimises the impact to Study site. The area that will be impacted upon is also less sensitive than the rest of Study site. It also does not impact on any wetlands or watercourses and therefore will not result in any loss of these habitats. It is therefore preferred and should be implemented. Exotic and invasive plants should be controlled and removed. The drainage area must be rehabilitated 	Low	Low-Medium	Substantial	Medium Degree	
		Alternative 1	Yes	Negative	Site	Permanent	Medium-High	Definite	Medium-High	High		Low	Medium	Substantial	Medium Degree	
		Alternative 2			Site	Permanent	Medium	Highly Likely	Medium	High		Low	Low-Medium	Substantial	Medium Degree	
		No-Go Option	No	Negative	Site	Long-term	Low-Medium	Highly Likely	Highly Likely	Low-Medium	High	<ul style="list-style-type: none"> If the no go option is enforced, it will result in the uncontrolled spreading of alien invasive species. 	None	Low-Medium	Partial	High Degree

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Effects on Biodiversity	Impact	Duration	Frequency	Significance	Mitigation	Likelihood				Severity					
						Site	Long-term	Low-Medium	Likely	Low	High	Low	low	Partial	High Degree
Direct	Loss of fauna	Proposal	No	Negative	Site	Long-term	Low-Medium	Likely	Low	High	<ul style="list-style-type: none"> If the preferred design is approved, construction contractors, sub-contractors and operators must ensure that no fauna taxa are unduly disturbed, trapped, hunted or killed All workers will undergo environmental awareness training to address potential human and wildlife interaction and the permissible reactions to this interaction. Search and Rescue operations must be implemented before any clearance of areas. 	Low	low	Partial	High Degree
		Alternative 1			Site	Long-term	Medium	Highly Likely	Low-Medium	High		Low	low	Partial	High Degree
		Alternative 2			Site	Long-term	Low-Medium	Likely	Low	High		Low	low	Partial	High Degree
		No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	No Loss
Direct	Loss of flora	Proposal	No	Negative	Site	Long-term	Medium	Highly Likely	Low-Medium	High	<ul style="list-style-type: none"> Search and Rescue operations must be implemented before any clearance of areas Individuals of the Declining plant species <i>Hyppoxis hemerocallidea</i> need to be relocated where applicable, to a suitable site nearby before the construction work of the development, if approved, is initiated. This should be done by suitably qualified persons to ensure the success of the rescue effort. Permits for relocation are to be obtained from GDARD for the rescue effort if necessary. In situ relocation of indigenous vegetation should be attempted All landscaping must be done with indigenous vegetation from the surrounding area. 	Low	Low	Partial	High Degree
		Alternative 1			Site	Long-term	Medium-High	Highly Likely	Medium	High		Low	Low-Medium	Partial	High Degree
		Alternative 2			Site	Long-term	Medium	Highly Likely	Low-Medium	High		Low	Low	Partial	High Degree
		No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	No Loss
Indirect	Degradation of ecological systems	Proposal	Yes	Negative	Site	Short-term	Low-Medium	Possible	Low	High	<ul style="list-style-type: none"> The preferred design minimises the impact to the study site. The area that will be impacted upon is also less sensitive than the rest of the study site. It also does not impact on any wetlands or watercourses and therefore will not result in the ecological degradation of the area. It is therefore preferred and should be implemented. Dedicated implementation of the EMPr All landscaping must be done with indigenous vegetation from the surrounding area. 	Medium	Low	Partial	High Degree
		Alternative 1			Site	Medium-term	Medium	Likely	Low	High		Low	Low	Partial	High Degree
		Alternative 2			Site	Short-term	Low-Medium	Possible	Low	High		Medium	Low	Partial	High Degree
		No-Go Option	No	Negative	Site	Long-term	Medium	Likely	Low-Medium	High	No management of vacant land will result in the further degradation of the study site.	None	Low-Medium	Substantial	Medium Degree
Indirect	Disruption of natural corridors	Proposal	Yes	Negative	Site	Long-term	Medium	Likely	Low-Medium	High	<ul style="list-style-type: none"> The preferred design minimises the impact to the study area. The area that will be impacted upon is also less sensitive than the rest of the study area. It also does not impact on any wetlands or watercourses and therefore limits the disruption of ecological corridors. It is therefore preferred and should be implemented. Dedicated implementation of the EMPr 	Low	Low	Partial	High Degree
		Alternative 1			Site	Long-term	Medium-High	Highly Likely	Medium	High		Low	Low-Medium	Substantial	Medium Degree
		Alternative 2			Site	Long-term	Medium	Likely	Low-Medium	High		Low	Low	Partial	High Degree
		No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	No Loss
Direct	Pollution incidents	Proposal	No	Negative	Site	Incidental	Low-Medium	Highly Likely	Low	High	<ul style="list-style-type: none"> Spill kits to be located in strategic areas for when needed Regular site and plant inspection must be conducted Environmental awareness training 	Medium	low	No Loss	Reversible
		Alternative 1			Site	Incidental	Low-Medium	Highly Likely	Low	High		Medium	low	No Loss	Reversible
		Alternative 2			Site	Incidental	Low-Medium	Highly Likely	Low	High		Medium	low	No Loss	Reversible
		No-Go Option	Not Applicable	Not Applicable	Site	None	None	None	None	None	None	Not Applicable	None	None	No Loss

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Incidents, accidents and potential emergency situations	Direct	Health and safety	Proposal	No	Negative	Site	Incidental	Medium	Likely	Low	High	<ul style="list-style-type: none"> 24 hour security and access control. Health and Safety awareness training. Contractor to submit a Health and Safety Plan, prepared in accordance with the Health and Safety Specification, for approval prior to the commencement of work. A Safety representative should be appointed 	Medium	low	No Loss	Reversible
			Alternative 1			Site	Incidental	Medium	Likely	Low	High		Medium	low	No Loss	Reversible
			Alternative 2			Site	Incidental	Medium	Likely	Low	High		Medium	low	No Loss	Reversible
			No-Go Option	No	Negative	Site	Long-term	Medium	Highly Likely	Low-Medium	High	The historical dumping and trespassing could create a health and safety risk if vacant site is not managed	None	Low-Medium	No Loss	Reversible
	Direct	Storage of hydrocarbons	Proposal	No	Negative	Site	Incidental	Low-Medium	Highly Likely	Low	High	<ul style="list-style-type: none"> Best practice regarding storage of substances Spill kits to be located in strategic areas for when needed Environmental awareness training Firefighting equipment must be accessible on site at all times. Display of emergency numbers Quantity management of regarding storage area and quantities 	Medium	low	No Loss	Reversible
			Alternative 1			Site	Incidental	Low-Medium	Highly Likely	Low	High		Medium	low	No Loss	Reversible
			Alternative 2			Site	Incidental	Low-Medium	Highly Likely	Low	High		Medium	low	No Loss	Reversible
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible
	Direct	Fire	Proposal	No	Negative	Neighbouring	Incidental	Low-Medium	Possible	Low	Medium	<ul style="list-style-type: none"> Adhere to the appropriate emergency procedures Firefighting equipment must be accessible on site at all times. Display of emergency numbers In addition, designated smoking areas should be provided and there should be zero tolerance to smoking outside these areas. Cooking over open flames is not allowed. 	Medium	low	No Loss	Reversible
			Alternative 1			Neighbouring	Incidental	Low-Medium	Possible	Low	Medium		Medium	low	No Loss	Reversible
			Alternative 2			Neighbouring	Incidental	Low-Medium	Possible	Low	Medium		Medium	low	No Loss	Reversible
			No-Go Option	No	Negative	Neighbouring	Incidental	Medium	Possible	Low	Medium	If site remains unmanaged, fires could occur as a result from illegal dumping	None	low	No Loss	Reversible
Direct	Direct	Visual impact	Proposal	No	Negative	Neighbouring	Short-term	Low-Medium	Definite	Low	High	<ul style="list-style-type: none"> Suitable screening to be put in place during construction to minimise visual impacts. No littering to be allowed. Good housekeeping practices to be followed The construction footprint for the preferred alternative (Proposal) is smaller and thus this alternative is preferred to minimise visual impacts to the site and neighbouring properties. 	Low	Low	No Loss	Reversible
			Alternative 1			Neighbouring	Short-term	Medium	Definite	Low-Medium	High		Low	Low	No Loss	Reversible
			Alternative 2			Neighbouring	Short-term	Low-Medium	Definite	Low	High		Low	Low	No Loss	Reversible
			No-Go Option	No	Negative	Neighbouring	Short-term	Low-Medium	Definite	Low	High	Illegal dumping and uncontrolled activities on site increases the visual impact on the neighbouring area	None	Low	No Loss	Reversible
	Direct	Safety and security	Proposal	No	Negative	Neighbouring	Incidental	Low	Possible	Low	Medium	<ul style="list-style-type: none"> 24 hour access control to the site and 24 hour security. Workers found to be engaging in activities such as excessive consumption of alcohol, drug use or selling of any such items on site must be disciplined. 	Medium	Low	No Loss	Reversible
			Alternative 1			Neighbouring	Incidental	Low	Possible	Low	Medium		Medium	Low	No Loss	Reversible
			Alternative 2			Neighbouring	Incidental	Low	Possible	Low	Medium		Medium	Low	No Loss	Reversible
			No-Go Option	No	Negative	Neighbouring	Incidental	Low-Medium	Highly Likely	Low	Medium	No management on site will result in the increase of illegal activities.	None	Low	No Loss	Reversible
	Direct	Traffic disruptions	Proposal	Yes	Negative	Neighbouring	Incidental	Medium	Definite	Low-Medium	Medium	<ul style="list-style-type: none"> Traffic warning and calming measures will be put in place when construction activities may impact on traffic flow. 	Low	Low	No Loss	Reversible
			Alternative 1			Neighbouring	Incidental	Medium	Definite	Low-Medium	Medium		Low	Low	No Loss	Reversible
			Alternative 2			Neighbouring	Incidental	Medium	Definite	Low-Medium	Medium		Low	Low	No Loss	Reversible

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Social			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible
Direct	Loss of cultural heritage	Proposal			Site	Permanent	Low	Improbable	Low	High	<ul style="list-style-type: none"> No heritage resources have been identified in the vicinity of the re-alignment. The chance find procedure in the EMP must be adhered to. 	Medium	Low	Partial	High Degree	
		Alternative 1	No	Negative	Site	Permanent	Low	Improbable	Low	High		Medium	Low	Partial	High Degree	
		Alternative 2			Site	Permanent	Low	Improbable	Low	High		Medium	Low	Partial	High Degree	
		No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	Partial	High Degree
Direct	Impacts on existing infrastructure and users	Proposal			None	None	None	None	None	High	None required	None	None	No Loss	Reversible	
		Alternative 1	No	Negative	None	None	None	None	None	High		None	None	No Loss	Reversible	
		Alternative 2			None	None	None	None	None	High		None	None	No Loss	Reversible	
		No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible	
Direct	Loss of sense of place	Proposal			Neighbouring	Long-term	None	Possible	Low	Medium	<ul style="list-style-type: none"> Suitable screening to be put in place during construction to minimise visual impacts. No littering to be allowed. Good housekeeping practices to be followed The development involves the relocation existing sports-field to adjacent property 	Low	Low	No Loss	Reversible	
		Alternative 1	No	Negative	Neighbouring	Long-term	None	Possible	Low	Medium		Low	Low	No Loss	Reversible	
		Alternative 2			Neighbouring	Long-term	None	Possible	Low	Medium		Low	Low	No Loss	Reversible	
		No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible	
Economic	Direct	Decline/increase in economy	Proposal			Local	Short-term	Medium	Highly Likely	Low-Medium	Medium	<ul style="list-style-type: none"> Local contractors and suppliers to be used during the construction phase as far as possible. 	Low	Medium-High	No Loss	Reversible
			Alternative 1	Yes	Positive	Local	Short-term	Medium	Highly Likely	Low-Medium	Medium		Low	Medium-High	No Loss	Reversible
			Alternative 2			Local	Short-term	Medium	Highly Likely	Low-Medium	Medium		Low	Medium-High	No Loss	Reversible
			No-Go Option	No	Negative	Neighbouring	Short-term	Low-Medium	Likely	Low	Medium	Should the project not go ahead, there will not be any generation of new employment opportunities.	None	Low	No Loss	Reversible
	Direct	Employment	Proposal			Local	Short-term	Medium	Highly Likely	Low-Medium	Medium	<ul style="list-style-type: none"> Local contractors and suppliers to be used during the construction phase as far as possible. 	Low	Medium-High	No Loss	Reversible
			Alternative 1	Yes	Positive	Local	Short-term	Medium	Highly Likely	Low-Medium	Medium		Low	Medium-High	No Loss	Reversible
			Alternative 2			Local	Short-term	Medium	Highly Likely	Low-Medium	Medium		Low	Medium-High	No Loss	Reversible
			No-Go Option	No	Negative	Neighbouring	Short-term	Low-Medium	Likely	Low	Medium	Should the project not go ahead, there will not be any generation of new employment opportunities.	None	Low	No Loss	Reversible
OPERATIONAL PHASE																
Atmospheric Emissions	Direct	Dust emissions	Proposal			None	None	None	None	None	High	The sports-fields do not contribute to dust emissions, therefor no mitigation measures required	None	None	No Loss	Reversible
			Alternative 1	Yes	Negative	None	None	None	None	None	High		None	None	No Loss	Reversible
			Alternative 2			None	None	None	None	None	High		None	None	No Loss	Reversible
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible
		Emissions from vehicles	Proposal			Neighbouring	Short-term	Low	Likely	Low	Medium	<ul style="list-style-type: none"> Employ speed limits on internal road Employ mechanisms to ensure that road users stick to the speed limit, such as speed traps etc. (sticking to the speed limit, 	Low	Low	No Loss	Reversible
			Alternative 1	Yes	Negative	Neighbouring	Short-term	Low	Likely	Low	Medium		Low	Low	No Loss	Reversible

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Impact Category	Impact Type	Description	Mitigation		Duration		Likelihood		Severity		Notes	Consequences				
			Yes	No	Short-term	Long-term	Likely	Possible	Low	High		Low	Medium	High	Low	Medium
	Direct	and equipment (CO2, NOx, SOx, VOC's etc.)	Alternative 2			Neighbouring	Short-term	Low	Likely	Low	Medium		Low	Low	No Loss	Reversible
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	Medium	Not Applicable	Low	Low	No Loss
Noise	Direct	Noise increase due to vehicles using the road	Proposal	Yes	Negative	Neighbouring	Long-term	Low-Medium	Definite	Low-Medium	High	*The proposed development involves the relocation of existing sports-fields. Thus the noise impacts generated from the existing fields will be transferred to the adjacent property, thereby not contributing to an increase of noise pollution. * Peak noise impacts will also be during sporting events and not on a daily basis	Low	Low	No Loss	Reversible
			Alternative 1			Neighbouring	Long-term	Low-Medium	Definite	Low-Medium	High		Low	Low	No Loss	Reversible
			Alternative 2			Neighbouring	Long-term	Low-Medium	Definite	Low-Medium	High		Low	Low	No Loss	Reversible
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	No Loss
Discharge to Water (Surface and Groundwater)	Direct	Sewage	Proposal		Negative	Site	Long-term	Medium	Definite	Medium	High	* Due to the lack in formal infrastructure, the school will install sewer treatment plants to address demand. The plant operates as an enclosed system and will therefore not impact any watercourses. However, due to the potential to spill as a result of breakage, it must be well maintained and placed within a bunded area.	Medium	Low	No Loss	Reversible
			Alternative 1	No		Site	Long-term	Medium	Definite	Medium	High		Medium	Low	No Loss	Reversible
			Alternative 2			Site	Long-term	Medium	Definite	Medium	High		Medium	Low	No Loss	Reversible
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	No Loss
	Indirect	Silt	Proposal		Negative	Site	Incidental	Low	Possible	Low	High	* All alternatives include a formalised stormwater system. All surfaces altered during construction will be compacted and covered by an alternative surface or grass, thereby minimising siltification.	Medium	Low	No Loss	Reversible
			Alternative 1	No		Site	Incidental	Low-Medium	Likely	Low	High		Medium	Low	No Loss	Reversible
			Alternative 2			Site	Incidental	Low	Possible	Low	High		Medium	Low	No Loss	Reversible
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	No Loss
	Direct	Surface water run-off	Proposal		Negative	Site	Long-term	Medium	Definite	Medium	High	* Storm water management system to be implemented and maintained.	Medium	Low	No Loss	Reversible
			Alternative 1	Yes		Site	Long-term	Medium	Definite	Medium	High		Medium	Low	No Loss	Reversible
			Alternative 2			Site	Long-term	Medium	Definite	Medium	High		Medium	Low	No Loss	Reversible
			No-Go Option	Yes	Negative	Site	Short-term	Medium	Definite	Low-Medium	High		High	None	Low-Medium	No Loss
Direct	Contamination of water from hazardous substances	Proposal		Negative	Site	Incidental	Low-Medium	Possible	Low	Medium	Water Quality Measurements must be taken from the grey water used for irrigation to ensure the quality remains within set parameters.	None	Low	No Loss	Reversible	
		Alternative 1	No		Site	Incidental	Low-Medium	Possible	Low	Medium		None	Low	No Loss	Reversible	
		Alternative 2			Site	Incidental	Low-Medium	Possible	Low	Medium		None	Low	No Loss	Reversible	
		No-Go Option	No	Negative	Neighbouring	Incidental	Medium	Possible	Low	High		High	None	Low	No Loss	Reversible
Direct	Disturbance of natural system	Proposal		Negative	None	None	None	None	None	High	During operation phase all channelized structures are in place and maintained to control run-off from natural areas.	None	None	No Loss	Reversible	
		Alternative 1	Yes		Site	Incidental	Low-Medium	Possible	Low	Medium		None	Low	No Loss	Reversible	
		Alternative 2			None	None	None	None	None	High		None	None	No Loss	Reversible	
		No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible
			Proposal			None	None	None	None	High	During operation phase all channelized structures are in place and maintained to control run-off from natural areas.	None	None	No Loss	Reversible	

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Impact Category	Impact Type	Receptor	Alternative	Significance	Mitigation	Baseline				Proposed		Residual	Reversibility	Loss	Mitigation		
						Site	Incidental	Low-Medium	Possible	Low	High						
Disturbance of aquatic ecological systems	Direct		Alternative 1	No	Negative	Site	Incidental	Low-Medium	Possible	Low	Medium		None	Low	No Loss	Reversible	
			Alternative 2			None	None	None	None	None	None	High		None	None	No Loss	Reversible
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible
Waste Generation	Direct	Domestic waste	Proposal			Site	Incidental	Low	Likely	Low	High	<ul style="list-style-type: none"> As part of management of the sports-facilities, litter should be collected and disposed of at an approved landfill site. Waste bins must be distributed through-out entire site where applicable. 	Low	low	No Loss	Reversible	
			Alternative 1	No	Negative	Site	Incidental	Low-Medium	Likely	Low	High		Low	low	No Loss	Reversible	
			Alternative 2			Site	Incidental	Low	Likely	Low	High		Low	low	No Loss	Reversible	
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None		High	Not Applicable	None	None	No Loss
	Not Applicable	Construction waste	Proposal			None	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible
			Alternative 1	Not Applicable	Not Applicable	None	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible
			Alternative 2			None	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible
			No-Go Option			None	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible
	Direct	Hazardous waste	Proposal			Site	Incidental	Medium	Possible	Low	High	The only hazardous waste expected is through incidents/accidents resulting in oil/fuel spillages from the maintenance equipment and workshop area. Should this occur, the following process must be followed: • Characterise the waste to determine if it is general or hazardous (Use the Appendix 1 of the Norms and Standards for the Classification of Waste for landfill to determine whether additional classification is required). Obtain and provide an acceptable container with a label. Place hazardous waste material in the container. Inspect the container on a regular basis Haul the full container to the licenced and correct disposal site. Provide documentary evidence of proper disposal of the waste.	Low	Low	No Loss	Reversible	
			Alternative 1	No	Negative	Site	Incidental	Medium	Possible	Low	High		Low	Low	No Loss	Reversible	
			Alternative 2			Site	Incidental	Medium	Possible	Low	High		Low	Low	No Loss	Reversible	
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None		High	Not Applicable	None	None	No Loss
Not Applicable	Loss of topsoil	Proposal			None	None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss	Reversible	
		Alternative 1	Not Applicable	Not Applicable	None	None	None	None	None	None	High		None	None	No Loss	Reversible	
		Alternative 2			None	None	None	None	None	None	High		None	None	No Loss	Reversible	
		No-Go Option			None	None	None	None	None	None	High		Not Applicable	None	None	No Loss	Reversible
	Not Applicable	Loss of land capability	Proposal			None	None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss	Reversible
			Alternative 1	Not Applicable	Not Applicable	None	None	None	None	None	None	High		None	None	No Loss	Reversible
			Alternative 2			None	None	None	None	None	None	High		None	None	No Loss	Reversible
			No-Go Option			None	None	None	None	None	None	High		Not Applicable	None	None	No Loss
Not	Alteration of topography	Proposal			None	None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss	Reversible	
		Alternative 1	Not	Not Applicable	None	None	None	None	None	None	High		None	None	No Loss	Reversible	

**Heronbridge College Sports-field Development
Portion 112 of the farm Nietgedacht**

Impact Category	Direct	Indirect	Significance	Frequency	Duration	Proposed				Mitigation	Residual	Reversibility	Loss	Recovery				
						None	Low	Medium	High									
Soil Alteration	Applicable	None	None	None	None	Alternative 2	None	None	None	None	None	High	None	None	No Loss	Reversible		
						No-Go Option	None	None	None	None	None	None	None	None	High	Not Applicable	None	None
	Direct	Soil erosion	None	Yes	Negative	Proposal	Site	Incidental	Low-Medium	Possible	Low	High	The only potential cause of soil erosion during operation is through poor management of stormwater. This can be mitigated through: • Stormwater management	Medium	Low	No Loss	Reversible	
						Alternative 1	Site	Incidental	Medium	Likely	Low	High		Medium	Low	No Loss	Reversible	
						Alternative 2	Site	Incidental	Low-Medium	Possible	Low	High		Medium	Low	No Loss	Reversible	
						No-Go Option	Yes	Negative	Site	Long-term	Medium	Highly Likely	Low-Medium	High	Without a formal stormwater system in place erosion will continue and worsen in time	None	Low-Medium	No Loss
	Direct	Soil pollution	None	No	Negative	Proposal	Site	Incidental	Low-Medium	Possible	Low	High	The only potential soil pollution expected is through incidents/accidents resulting in oil/fuel spillages. Should this occur, the following process must be followed: • Characterise the waste to determine if it is general or hazardous (Use the Appendix 1 of the Norms and Standards for the Classification of Waste for landfill to determine whether additional classification is required). Obtain and provide an acceptable container with a label. Place hazardous waste material in the container. Inspect the container on a regular basis Haul the full container to the licenced and correct disposal site. Provide documentary evidence of proper disposal of the waste.	Low	Low	No Loss	Reversible	
						Alternative 1	Site	Incidental	Medium	Likely	Low	High		Low	Low	No Loss	Reversible	
Alternative 2						Site	Incidental	Low-Medium	Possible	Low	High	Low		Low	No Loss	Reversible		
No-Go Option						No	Negative	Site	Long-term	Medium	Highly Likely	Low-Medium	High	Without any management structures in place soil pollution can not be monitored or managed.	None	Low-Medium	Partial	High Degree
Resource Consumption	Not Applicable	Electricity consumption	Yes	Negative	Proposal	Neighbouring	Long-term	Low-Medium	Possible	Low	High	The nature of the project will not require high levels of electricity usage as most of the activities will occur during the day • Energy efficient/ saving technology must be incorporated within the design. during operations. • Energy saving initiatives should be enforces: switching off lights during night. only turning on spot-lights when required.	Low	Low	No Loss	Reversible		
					Alternative 1	Neighbouring	Long-term	Medium	Likely	Low-Medium	High		Low	Low	No Loss	Reversible		
					Alternative 2	Neighbouring	Long-term	Low-Medium	Possible	Low	High		Low	Low	No Loss	Reversible		
					No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss
	Not Applicable	Water consumption	Yes	Negative	Proposal	Site	Long-term	Medium	Highly Likely	Low-Medium	High	Water saving initiatives must be implemented. • Irrigation of sports-fields must be done at specific times to minimise evaporation. • Reuse of water must be promoted	Low	Low	No Loss	Reversible		
					Alternative 1	Site	Long-term	Medium	Highly Likely	Low-Medium	High		Low	Low	No Loss	Reversible		
					Alternative 2	Site	Long-term	Medium	Highly Likely	Low-Medium	High		Low	Low	No Loss	Reversible		
					No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss
	Not Applicable	Fuel consumption	Yes	Negative	Proposal	Site	Long-term	Low-Medium	Highly Likely	Low-Medium	High	Maintenance work must be managed as sufficient as possible to promote the efficient use of fuel.	Low	Low	No Loss	Reversible		
					Alternative 1	Site	Long-term	Low-Medium	Highly Likely	Low-Medium	High		Low	Low	No Loss	Reversible		
					Alternative 2	Site	Long-term	Low-Medium	Highly Likely	Low-Medium	High		Low	Low	No Loss	Reversible		
					No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss
	Not Applicable	Raw materials consumption	Not Applicable	Not Applicable	Proposal	None	None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss	Reversible	
					Alternative 1	None	None	None	None	None	None	None		High	None	None	No Loss	Reversible
					Alternative 2	None	None	None	None	None	None	None		High	None	None	No Loss	Reversible
					No-Go Option	None	None	None	None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss

**Heronbridge College Sports-field Development
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Effects on Biodiversity	Not Applicable	Loss of habitat	Proposal	Not Applicable	Not Applicable	None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss	Reversible
			Alternative 1			None	None	None	None	None	High		None	None	No Loss	Reversible
			Alternative 2			None	None	None	None	None	High		None	None	No Loss	Reversible
			No-Go Option	No	Negative	Site	Long-term	Low-Medium	Highly Likely	Low-Medium	High	Without formalising the vacant land, the site will continue to degrade which will result in the loss of Habitat	None	Low-Medium	Partial	High Degree
	Not Applicable	Loss of fauna	Proposal	Not Applicable	Not Applicable	None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss	Reversible
			Alternative 1			None	None	None	None	None	High		None	None	No Loss	Reversible
			Alternative 2			None	None	None	None	None	High		None	None	No Loss	Reversible
			No-Go Option	No	Negative	Site	Long-term	Low-Medium	Highly Likely	Low-Medium	High	Without formalising the vacant land, the site will continue to degrade which will result in the loss of Fauna.	None	Low-Medium	Partial	High Degree
	Not Applicable	Loss of flora	Proposal	Not Applicable	Not Applicable	None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss	Reversible
			Alternative 1			None	None	None	None	None	High		None	None	No Loss	Reversible
			Alternative 2			None	None	None	None	None	High		None	None	No Loss	Reversible
			No-Go Option	No	Negative	Site	Long-term	Low-Medium	Highly Likely	Low-Medium	High	Without formalising the vacant land, the site will continue to degrade which will result in the loss of Flora.	None	Low-Medium	Partial	High Degree
	Not Applicable	Degradation of ecological systems	Proposal	Not Applicable	Not Applicable	None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss	Reversible
			Alternative 1			None	None	None	None	None	High		None	None	No Loss	Reversible
			Alternative 2			None	None	None	None	None	High		None	None	No Loss	Reversible
			No-Go Option	No	Negative	Site	Long-term	Low-Medium	Highly Likely	Low-Medium	High	Without formalising the vacant land, the site will continue to degrade increasing the footprint of disturbance within the study site	None	Low-Medium	Partial	High Degree
Direct	Disruption of natural corridors	Proposal	Not Applicable	Not Applicable	None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss	Reversible	
		Alternative 1			None	None	None	None	None	High		None	None	No Loss	Reversible	
		Alternative 2			None	None	None	None	None	High		None	None	No Loss	Reversible	
		No-Go Option	No	Negative	Site	Long-term	Low-Medium	Highly Likely	Low-Medium	High	Without formalising the vacant land, the site will continue to degrade the ecological system.	None	Low-Medium	Partial	High Degree	
Direct	Pollution incidents	Proposal	No	Negative	Site	Incidental	Low-Medium	Possible	Low	High	The only potential soil pollution expected is through incidents/accidents resulting in oil/fuel spillages. Should this occur, the following process must be followed: • Characterise the waste to determine if it is general or hazardous (Use the Appendix 1 of the Norms and Standards for the Classification of Waste for landfill to determine whether additional classification is required). Obtain and provide an acceptable container with a label. Place hazardous waste material in the container. Inspect the container on a regular basis Haul the full container to the licenced and correct disposal site. Provide documentary evidence of proper disposal of the waste.	Low	low	No Loss	Reversible	
		Alternative 1			Site	Incidental	Low-Medium	Possible	Low	High		Low	low	No Loss	Reversible	
		Alternative 2			Site	Incidental	Low-Medium	Possible	Low	High		Low	low	No Loss	Reversible	

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		No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	High	Not Applicable	None	None	No Loss	Reversible		
Incidents, accidents and potential emergency situations	Direct	Health and safety	Proposal			Site	Incidental	Medium	Possible	Low	High	<ul style="list-style-type: none"> Speed limits to be implemented. Traffic calming and safety measures to be implemented during any maintenance activities taking place on the site (e.g. collecting litter, cutting grass and landscaping). Appropriate medical personnel and equipment must be present on site during sporting events. An Safety representative must be appointed within the workshop area. 	Medium	low	No Loss	Reversible	
			Alternative 1	No	Negative	Site	Incidental	Medium	Possible	Low	High		Medium	low	No Loss	Reversible	
			Alternative 2			Site	Incidental	Medium	Possible	Low	High		Medium	low	No Loss	Reversible	
			No-Go Option	No	Negative	Site	Incidental	Medium	Possible	Low	High		Not Applicable	None	low	No Loss	Reversible
	Direct	Storage of hydrocarbons	Proposal			Site	Incidental	Low-Medium	Highly Likely	Low	High	<ul style="list-style-type: none"> Best practice regarding storage of substances Spill kits to be located in strategic areas for when needed Environmental awareness training Firefighting equipment must be accessible on site at all times. Display of emergency numbers Quantity management of regarding storage area and quantities 	Medium	low	No Loss	Reversible	
			Alternative 1	No	Negative	Site	Incidental	Low-Medium	Highly Likely	Low	High		Medium	low	No Loss	Reversible	
			Alternative 2			Site	Incidental	Low-Medium	Highly Likely	Low	High		Medium	low	No Loss	Reversible	
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None		High	N/A during the operational phase.	None	None	No Loss
	Direct	Fire	Proposal			Site	Incidental	Medium	Possible	Low	Medium	<ul style="list-style-type: none"> Adhere to the appropriate emergency procedures Firefighting equipment must be accessible on site at all times Display of emergency numbers 	Low	low	No Loss	Reversible	
			Alternative 1	No	Negative	Site	Incidental	Medium	Possible	Low	Medium		Low	low	No Loss	Reversible	
			Alternative 2			Site	Incidental	Medium	Possible	Low	Medium		Low	low	No Loss	Reversible	
			No-Go Option	No	Negative	Site	Incidental	Medium-High	Highly Likely	Low-Medium	Medium		If site remains unmanaged, fires could occur as a result from illegal dumping	None	Low-Medium	No Loss	Reversible
	Social	Direct	Visual impact	Proposal			Neighbouring	Long-term	Medium	Highly Likely	Medium	High	<ul style="list-style-type: none"> A well maintained sports-field will suit the sense of place. Well landscaped areas will be seen from the adjacent roads 	None	Medium	No Loss	Reversible
				Alternative 1	No	Positive	Neighbouring	Long-term	Medium	Highly Likely	Medium	High		None	Medium	No Loss	Reversible
				Alternative 2			Neighbouring	Long-term	Medium	Highly Likely	Medium	High		None	Medium	No Loss	Reversible
				No-Go Option	No	Negative	Neighbouring	Long-term	Medium	Highly Likely	Medium	High		Illegal dumping and uncontrolled activities on site increases the visual impact on the neighbouring area	Low	Medium	No Loss
Direct		Safety and security	Proposal			Neighbouring	Long-term	Medium	Highly Likely	Medium	High	<ul style="list-style-type: none"> Fence/wall to be put in place to limit unauthorised access to the sports-fields to ensure only access is through official access points. Lighting and movement on site will decrease illegal activities within the area. 	Low	Medium	No Loss	Reversible	
			Alternative 1	No	Positive	Neighbouring	Long-term	Medium	Highly Likely	Medium	High		Low	Medium	No Loss	Reversible	
			Alternative 2			Neighbouring	Long-term	Medium	Highly Likely	Medium	High		Low	Medium	No Loss	Reversible	
			No-Go Option	No	Negative	Neighbouring	Long-term	Medium	Highly Likely	Medium	High		No management on site will result in the increase of illegal activities.	None	Medium	No Loss	Reversible
Direct		Traffic disruptions	Proposal			Neighbouring	Short-term	Medium	Definite	Low-Medium	High	<ul style="list-style-type: none"> Traffic warning and calming measures will be put in place when big sporting events may impact on traffic flow. 	Low	Low	No Loss	Reversible	
			Alternative 1	Yes	Negative	Neighbouring	Short-term	Medium	Definite	Low-Medium	High		Low	Low	No Loss	Reversible	
			Alternative 2			Neighbouring	Short-term	Medium	Definite	Low-Medium	High		Low	Low	No Loss	Reversible	
			No-Go Option	Not Applicable	Not Applicable	None	None	None	None	None	None		High	Not Applicable	None	None	No Loss
			Proposal			None	None	None	None	None	High	N/A during the operational phase.	None	None	No Loss	Reversible	

