

Site of a formal housing development on Site 2 (D)

ENVIRONMENTAL RATING SIGNIFICANCE KEY				Number	Aspect	Nature of Impact	Without Mitigation (Baseline)					With Mitigation					With Mitigation Score (Impact Assessment)	Short Description of some Mitigation Measures / Enhancement Measures		
Significance	Rating	Final rating score / value range	Probability (Likelihood)				Extent	Duration (Frequency)	Magnitude (Intensity/ Severity)	Receiving Environment (Consequence)	Without Mitigation Score (Baseline)	Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/ Severity)	Receiving Environment (Consequence)				
CONSTRUCTION PHASE																				
Negative Impacts	Very Significant	Very High	>11 to -16	1	Groundwater	Pollution	0	0	0	0	0	0	0	0	0	0	0			
	Significant	High	>7 to -11	2	Waste	Insufficient number of toilets and / or inappropriate disposal of sewage generated during the construction phase.	-4	-1	-3	-2	-2	-3	-1	-1	-3	-1	-1	-2	Provide sufficient number of toilets for construction phase workers	
	Increasing Significance	Medium	>4 to -7	3		Temporary increase in waste and litter	-6	-1	-3	-5	-3	-4	-2	-1	-1	-1	-1	-1	Provide an environmental awareness presentation before construction work is commenced with and hold the construction supervisor responsible for adherence.	
	Insignificant	Low	-2 to -4	4	Biodiversity	Clearance of indigenous vegetation	-2	-1	-1	-1	-3	-2	-1	-1	-1	-1	-1	-1	-1	Keep construction work within the existing development footprint of the crematorium
	Insignificant	Very Low	-1 to <-2	5		Protected & endangered plant species: Potential impact on threatened or protected	-7	-1	-5	-7	-5	-5	-1	-1	-1	-1	-1	-1	-1	Obtain permits to disturb protected plants and then search for and rescue the protected plants that can be transplanted successfully.
	Significant	High	10 to 16	6		Contamination priority: Potential impact on protected areas, CBAs, ESAs or Centres of Endemism	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Increasing Significance	Medium	4 to <10	7		Connectivity: Potential loss of ecological migration corridors	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Insignificant	Low	1 to <4	8		Encroachment of alien invasive vegetation in disturbed areas during construction activities	0	0	0	0	0	0	0	0	0	0	0	0	0	
				9		Veld fire risk: Potential risk of veld fires as a result of construction workers trying to warm themselves using fire.	-5	-1	-4	-5	-5	-4	-2	-2	-1	-1	-3	-2	-2	No fires must be allowed on the site
				10		Cumulative impacts: Cumulative impact associated with proposed activity.	-2	-1	-1	-1	-1	-2	-1	-1	-1	-1	-1	-1	-1	-1
			11		The "No-Go" option: Potential impact associated with the No-Go alternative.	0	0	0	0	0	0	0	0	0	0	0	0	0		
			12	Services	Increase in demand for municipal services (i.e. increased demand for water, electricity, sewage disposal and solid waste disposal).	0	0	0	0	0	0	0	0	0	0	0	0	0		
			13	Impact on Cultural, Archaeological, Palaeontological, and Heritage	Artefacts may be discovered and/or damaged during the construction phase.	-3	-1	-3	-3	-3	-3	-2	-2	-1	-1	-1	-1	-2	Check for any heritage related materials prior to making any excavation.	
			14		Loss and/or damage to potential fossils and archaeological and historical sites within the construction footprint	-3	-1	-3	-3	-3	-3	-2	-2	-1	-1	-1	-1	-2		
			15	Socio-economic	Creation of short-term employment opportunities and skills acquisition during the construction phase.	8	8	8	8	8	8							#DIV/0!	No mitigation relevant	
			16	Dust	Dust will be generated during the construction phase of the proposed development which may impact drivers and commuters.	-2	-1	-1	-1	-1	-2	-1	-1	-1	-1	-1	-1	-1	-1	Spray water when dust is generated
			17	Visual	Site may look out of place in the surrounding environment as a result of the development proposal	-5	-2	-3	-5	-4	-4	-2	-2	-3	-3	-2	-3	-3	-3	Erect a palisade fence around the proposed site as is currently the case at existing Jupiter Cemetery
			18	Noise	Noise will be generated during the construction phase.	-4	-2	-1	-3	-2	-3	-3	-2	-1	-2	-1	-2	-2	-2	Deliver ready made concrete by mixer trucks instead of mixing concrete on the site
OPERATIONAL PHASE																				
			19	Visual	The cemetery expansion may appear as a conspicuous new	-7	-4	-7	-4	-4	-5	-2	-2	-2	-1	-1	-1	-2	Maintain palisade fence around the proposed site as is currently the case at existing Jupiter Cemetery	
			20	Groundwater	Pollution	-3	-3	-5	-3	-4	-4	-1	-1	2	-1	-2	-2	-2	Avoid encroaching into the buffer	
			21	Socio-economic	Alleviation of looming shortage of lack of adequate housing and basic municipal services.	7	7	5	7	8	8									Mitigation is not required