

Assessment of existing Jupiter Cemetery on Erf 5530, Pa

ENVIRONMENTAL RATING SIGNIFICANCE KEY				Number		Aspect		Nature of Impact		Without Mitigation (Baseline)					With Mitigation					Short Description of some Mitigation Measures / Enhancement Measures
				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)	With Mitigation Score (Impact Assessment)					
Negative Impacts	Very Significant	Very High	>11 to -16																	
	Significant	High	>7 to -11																	
	Increasing Significance	Medium	>4 to -7																	
	Insignificant	Low	-2 to -4																	
Positive Impacts	Significant	High	10 to 16																	
	Increasing Significance	Medium	4 to <10																	
	Significant	Low	1 to <4																	
	Insignificant	Low	1 to <4																	
CONSTRUCTION PHASE																				
1	Groundwater	Pollution		0	0	0	0	0	0	0	0	0	0	0	0	0				
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				
3		Temporary increase in waste and litter		-6	-1	-3	-5	-3	-4	-2	-1	-1	-1	-1	-2	Provide an environmental awareness presentation before construction work is commenced with and hold the construction supervisor responsible for adherence.				
4		Clearance of indigenous vegetation		-2	-1	-1	-1	-3	-2	-1	-1	-1	-1	-1	-1	Keep construction work within the existing development footprint of the crematorium				
5	Biodiversity	Protected & endangered plant species: Potential impact on threatened or protected		-7	-1	-5	-7	-5	-5	-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.				
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					
7		Connectivity: Potential loss of ecological migration corridors.		0	0	0	0	0	0	0	0	0	0	0	0					
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	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	Keep to all the mitigation measures suggested above and below.				
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					
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					
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	-2	Check for any heritage related materials prior to making any excavation.				
14	Socio-economic	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	-2					
15		Creation of short-term employment opportunities during the construction phase.		3	3	3	3	3	3	3	3	3	3	3	3					
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	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	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	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	-2	Maintain palisade fence around the proposed site and avoid encroaching into the buffer				
20	Groundwater	Pollution		-3	-3	-5	-3	-4	-4	-1	-1	2	-1	-2						
21	Socio-economic	Alleviation of looming shortage of burial spaces where the community can bury their loved ones		7	7	5	7	8	8							Mitigation is not required				