

Proposed establishment of a cemetery on Erf 5662

ENVIRONMENTAL RATING SIGNIFICANCE KEY				Number	Aspect	Nature of Impact	Without Mitigation (Baseline)				Receiving Environment (Consequence)	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)	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					
	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	Keep construction work within the existing development footprint of the crematorium		
Very Low	Very Low	-1 to <-2	5	Protected & endangered plant species: Potential impact on creation of protected		0	0	0	0	0	0	0	0	0	0	0	0	0			
Positive Impacts	Significant	High	10 to 16	6	Biodiversity	Conservation priority: Potential impact on protected areas, CBAs, E Sites 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		
	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.	-3	-1	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	No fires must be allowed on the site	
				10		Cumulative impacts: Cumulative impact associated with proposed activity.	-2	-1	-1	-1	-1	-1	-2	-1	-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	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.	-2	-1	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	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	-2	-1	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	Implement relevant measures specified in the EMP
				15			Creation of short-term employment opportunities during the construction phase.	3	3	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	-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	-3	-2	-3	-3	-4	-3	-2	-2	-3	-3	-2	-2	-2	Erect a fence around the proposed site to make the site inconspicuous to onlookers		
			18	Noise	Noise will be generated during the construction phase.	-4	-2	-1	-3	-2	-3	-3	-2	-1	-2	-1	-2	-2	Deliver ready made concrete by mixer truck instead of mixing concrete on the site		
OPERATIONAL PHASE																					
			19	Visual	The cemetery may appear as a conspicuous new eyesore	-5	-3	-3	-4	-4	-4	-2	-2	-2	-1	-1	-2	Maintain fence around the site			
			20	Groundwater	Pollution	-3	-3	-3	-3	-4	-4	-1	-1	2	-4	-2	-2	Avoid excavating sites too shallow			
			21	Socio-economic	Alleviation of looming shortage of burial spaces where the community can bury their loved ones	7	7	5	7	8	6							Mitigation is not required			