

Expansion of existing Rietfontein Cemetery on the F2

ENVIRONMENTAL RATING SIGNIFICANCE KEY				Number	Aspect	Nature of Impact	Without Mitigation (Baseline)				Receiving Environment (Consequence)	Without Mitigation Score (Baseline)	With Mitigation				With Mitigation Score (Impact Assessment)	Short Description of some Mitigation Measures / Enhancement Measures			
Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)				Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)			Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)					
<b>ENVIRONMENTAL RATING SIGNIFICANCE KEY</b>																					
Negative Impacts	Very Significant	Very High	>11 to >15																		
	Significant	High	>7 to >11																		
	Increasing Significance	Medium	>4 to >7																		
	Insignificant	Low	>2 to >4																		
Positive Impacts	Significant	Very Low	-1 to <-2																		
	Increasing Significance	Medium	1 to <10																		
	Significant	High	10 to 15																		
	Increasing Significance	Medium	1 to <10																		
<b>CONSTRUCTION PHASE</b>																					
				1	Groundwater	Pollution	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	-1	Provide an environmental awareness presentation before construction work is commenced with and hold the construction supervisor responsible for adherence.		
				4	Biodiversity	Clearance of indigenous vegetation	-2	-1	-1	-1	-3	-2	-1	-1	-1	-1	-1	-1	-1	Keep construction work strictly within the 3ha expansion footprint	
				5		Protected & endangered plant species: Potential impact on weakened or protected	-7	-1	-5	-7	-5	-5	-1	-1	-1	-1	-1	-1	Obtain permits to disturb protected plants		
				6		Conservation 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		
				7		Connectivity: Potential loss of ecological migration corridors.	0	0	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	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	Keep to 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.	-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 during the construction phase.	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	-5	-2	-3	-5	-4	-4	-2	-2	-3	-3	-2	-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	-1	Deliver ready made concrete by mixer trucks instead of mixing concrete on the site	
<b>OPERATIONAL PHASE</b>																					
				19	Visual	The cemetery expansion may appear as a conspicuous new	-7	-4	-7	-4	-4	-5	-2	-2	-2	-1	-1	-2	Mention fence around the site		
				20	Groundwater	Pollution	-3	-3	-5	-3	-4	-4	-1	-1	2	-1	-2	-2	Avoid encroaching into the riparian zone		
				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		