

ent of agricultural fields on Erven 1372 and 1375.

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)							
<b>CONSTRUCTION PHASE</b>																						
Negative Impacts	Very Significant	Very High	>11 to >15	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	-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	-2	Provide an environmental awareness presentation before construction work is commenced with and hold the construction supervisor responsible for adherence.		
	Not Significant	Low	2 to >4	4	Biodiversity	Clearance of indigenous vegetation	-2	-1	-1	-1	-3	-2	-1	-1	-1	-1	-1	-1	-1	-1	Keep construction work strictly within the 3ha expansion footprint	
Significant	High	10 to 16	5	Protected & endangered plant species: Potential impact on threatened or protected		-7	-1	-5	-7	-5	-5	-1	-1	-1	-1	-1	-1	-1	-1	Obtain permits to disturb protected plants and fence off indigenous tree patch		
Increasing Significance	Medium	4 to >10	6	Conservation priority: Potential impact on protected areas, CSAs, EStAs or Centres of Endemism		0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Significant	High	10 to 16	7	Connectivity: Potential loss of ecological migration corridors		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Increasing Significance	Medium	4 to >10	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	0		
Significant	High	10 to 16	9	Veld fire risk: Potential risk of veld fires as a result of construction workers using to warm themselves using fire.		-5	-1	-4	-5	-5	-4	-2	-2	-1	-1	-1	-1	-3	-2	No fires must be allowed on the site		
Positive Impacts	Significant	High	10 to 16	10	Services	Cumulative impacts: Cumulative impact associated with proposed activity.	-2	-1	-1	-1	-1	-2	-1	-1	-1	-1	-1	-1	-1	-1	Keep to all the mitigation measures suggested above and below.	
	Increasing Significance	Medium	4 to >10	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		
	Significant	High	10 to 16	12		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	0		
	Significant	High	10 to 16	13		Impact on Cultural, Archaeological, Palaeontological and Heritage	Artifacts may be discovered and/or damaged during the construction phase.	-3	-1	-3	-3	-3	-3	-2	-2	-1	-1	-1	-1	-1	-2	Obtain authorisation from SAHRA before clearing the on-site middens of medium significance.
Operational Phase	Significant	High	10 to 16	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	-1	-1	-2		
	Increasing Significance	Medium	4 to >10	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		
	Significant	High	10 to 16	16		Dust will be generated during the construction phase of the proposed development which may impact drivers and commuters.	-2	-1	-1	-1	-1	-1	-2	-1	-1	-1	-1	-1	-1	-1	-1	Spray water when dust is generated
	Significant	High	10 to 16	17		Visual	Site may look out of place in the surrounding environment as a result of the development proposal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
	Significant	High	10 to 16	18		Noise	Noise will be generated during the construction phase.	-4	-2	-1	-3	-2	-3	-3	-2	-1	-2	-1	-2	-1	-2	-1
<b>OPERATIONAL PHASE</b>																						
Significant	High	10 to 16	19	Socio-economic	Alleviation of unemployment in the area around the proposed site	7	7	5	7	8	6									Mitigation is not required		