

Proposed establishment of agricultural fields on Et

ENVIRONMENTAL RATING SIGNIFICANCE KEY				Number	Aspect	Nature of Impact	Without Mitigation (Baseline)				Without Mitigation Score (Baseline)	With Mitigation				With Mitigation Score (Impact Assessment)	Short Description of some Mitigation Measures / Enhancement Measures			
						Impact	Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)	Receiving Environment (Consequence)	Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)	Receiving Environment (Consequence)				
NEGATIVE IMPACTS 	POSITIVE IMPACTS 	CONSTRUCTION PHASE																		
		1	Surface water bodies	Destruction through ploughing and pollution	-8	-2	-2	-8	-8	-5	-4	-2	-2	-4	-2	-2	-2	-2	-2	Implement recommendations of freshwater specialist and CMIs
		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	-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	-1	-1	-2	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	-1	-1	-1	Keep construction work strictly within the 3ha expansion footprint	
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	-1	-1	Obtain permits to disturb protected plants and fence off indigenous tree patch	
6		Conservation priority: Potential impact on protected areas, CEAs, ESAs or Centres of Endemism	0	0	0	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	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	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	-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	-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	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	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	-1	-1	-2	-2	Obtain authorisation from SAHRA before clearing the on-site middens of medium significance.	
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	-1	-2	-2		
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	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	-1	-1	-1	Spray water when dust is generated
17	Visual	Site may lock 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	0	0	N/A	
18	Noise	Noise will be generated during the construction phase.	-4	-2	-1	-3	-2	-3	-3	-2	-2	-1	-2	-1	-2	-1	-2	-2	Keep construction activities within normal working hours	
OPERATIONAL PHASE																				
19	Services	Increase in demand for municipal services (i.e. increased demand for water, electricity, sewage disposal and solid waste disposal).	-5	-2	-1	-3	-2					-2	-1	-1	-1	-1	-1	-1	Install solar panels to limit the need for electricity supplied by municipality, install high pressure nozzles on toilet lines	
20	Socio-economic	Minimisation of unemployment in the area around the proposed site.	7	7	5	7	8	6											Mitigation is not required	