

Project Name: Groblershoop Higher-income House				ENVIRONMENTAL RATING SIGNIFICANCE KEY										Short Description of some Mitigation Measures / Enhancement Measures		
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
				Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)	Receiving Environment (Consequence)		Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)	Receiving Environment (Consequence)		
CONSTRUCTION PHASE																
NEGATIVE IMPACTS 	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 one toilet for every 15 construction workers and collect the sewage for disposal at licensed wastewater treatment works.
	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. Refresh environmental training should be provided regularly.
	POSITIVE IMPACTS 	4	Biodiversity	Clearance of indigenous vegetation	-2	-1	-1	-1	-3	-2	-1	-1	-1	-1	-1	-1
5		Protected & endangered plant species: Potential impact on threatened or protected		-7	-1	-6	-7	-5	-5	-1	-1	-1	-1	-1	-1	Implement recommendations contained in the botanical study report and the EMP
6		Conservation priority: Potential impact on protected areas, GBAs, EBA's 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
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	Wild fire risk: Potential risk of wild fires as a result of construction workers using 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	-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	
12	Services	Increase in demand for municipal services (i.e. increased demand for water, electricity, sewage disposal and solid waste disposal).		-8	-3	-6	-5	-4	0	-4	-3	-6	-2	-2	-4	Install solar panels to limit municipal electricity demand and install rooftop rainwater harvesting systems to limit municipal water usage.
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	Implement recommendations contained in the heritage impact report and the EMP
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	-2	Implement recommendations contained in the heritage impact report and the EMP
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	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 screen to block the view of onlooking outsiders and complete the construction project as quickly as possible	
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 truck instead of mixing concrete on the site	
OPERATIONAL PHASE																
19	Visual	The housing development may appear as a conspicuous new	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	Socio-economic	Revenue collection through rates and taxes. Employment opportunities for locals	7	7	5	7	8	5	7	8	5	7	8	5	Mitigation is not required	