Desired Name Constitute House in Development				Nature of Impact				Without Mitigation (Baseline)					Without With Mitigation						
Project Name: Grootdrink Housing Development						Nature of Impact		VVI	thout willigatio	• , ,		Mitigation	With Mitigation				Para hida	With Mitigation	
				Number	Aspect	Impact	Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/ Severity)	Receiving Environment (Consequence)	Score (Baseline)	Probability (Likelihood		Duration (Frequency)	Magnitude (Intensity/ Severity)	Receiving Environment (Consequence)	Score (Impact Assessment)	
EN	VIRONMENTAL RATING	SIGNIFICAN	CE KEY		•	CONSTRUCTION PHASE											,		
			Final rating score /	1		Geology & soils	-4	-2	-2	-4	-2	-3	-2	-2	-2	-2	-2	-2	
ş	SIGNIFICANCE	RATING	value range	2	1	Land-use and cover	-8	-2	-2	-4	-4	-4	-4	-2	-2	-4	-2	-3	
Dag Z	<u> </u>		>11 to -16	3	1	Vegetation status	-8	-2	-2	-4	-4	-4	-4	-4	-2	-2	-2	-3	
Positive Negative Implimpacts	Very Significant	Very High	>-7 to -11	4	1	Conservation priority:	-8	-2	-2	-4	-4	-4	-4	-4	-2	-2	-2	-3	
	Significant	High		5		Connectivity:	-8	-2	-2	-4	-4	-4	-2	-2	-2	-2	-2	-2	
	Increasing Significance	Medium	>-4 to -7	6	Botanical	Watercourses and wetlands	-8	-2	-2	-8	-8	-6	-4	-2	-2	-4	-2	-3	
	Insignificant	Low Very Low	-2 to -4 -1 to <-2	7		Protected & endangered plant species:	-8	-4	-4	-4	-8	-6	-2	-2	-2	-2	-2	-2	
	OLONIEIGANOE	RATING	Final rating score / value range 10 to 16	8		Invasive alien plant species	-4	-2	-2	-2	-2	-3	-2	-2	-2	-2	-2	-2	
	SIGNIFICANCE			9		Veld fire risk	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	
	Significant			10		Cumulative impacts	-8	-2	-2	-4	-4	-4	-4	-2	-2	-4	-2	-3	
8 트	Increasing Significance		4 to <10	11		The "No-Go" option	-8	-2	-2	-8	-8	-6	N/A	N/A	N/A	N/A	N/A	N/A	
	Insignificant	Low	1 to <4	12		Lithic occurrences	-4	-2	-2	-2	-2	-3	-2	-2	-2	-2	-2	-2	
				13	Heritage	Groblershoop cemetery, situated outside of the development footprint.	-2	-2	-2	-4	-2	-3	-2	-2	-2	-2	-2	-2	
				14	Palaeontology	Palaeontological significance (low)	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	
				15		Cumulative impact of sewage and solid waste ending up in the drainage lin	-8	-4	-2	-16	-4	-7	-2	-2	-2	-4	-2	-3	
				16	Freshwater	Impact of graveyards on the drainage line riparian zone	-8	-4	-2	-8	-8	-6	-2	-2	-2	-4	-2	-3	
				17		Animal husbandry (i.e. overgrazing and trampling)	-8	-4	-2	-8	-8	-6	-2	-2	-2	-2	-2	-2	
				18	Soil	On site erosion due to improper management of stormwater during construction. Exposed platforms and trenches excavated for any pipeline are susceptible will be susceptible to erosion during the construction phase.	-8	-2	-2	-8	-8	-6	-4	-2	-2	-4	-2	-3	
				19		Erosion and safety hazards associated with excavated pipelines which are not backfilled.	-8	-2	-4	-8	-4	-6	-2	-1	-2	-8	-2	-3	
				20	Watercourse	Sedimentation of drainage line due to the uncontrolled stormwater runoff naturally flowing towards the drainage line.	-4	-2	-8	-8	-4	-6	-1	-2	-2	-8	-2	-3	
				21	Waste	Insufficient number of toilets and / or inappropriate disposal of sewage generated during the construction phase.	-8	-4	-2	-8	-4	-6	-2	-1	-2	-4	-2	-3	
				22		Temporary increase in waste and litter contaminating the receiving environment (including the Gariep Canal)	-8	-4	-2	-4	-4	-5	-4	-2	-2	-2	-4	-3	
				23	Socio-economic	Creation of short-term employment opportunities during the construction phase.	8	2	2	4	2	4	8	2	2	4	2	4	
				24	Dust	Dust will be generated during the construction of the proposed development which may impact drivers and commuters.	-8	-4	-2	-4	-2	-4	-2	-2	-2	-2	-2	-2	
				25	Visual	Site may be not aesthetic amid natural background.	-4	-2	-4	-4	-2	-4	-2	-2	-2	-2	-2	-2	
				26	Noise	Noise will be generated during the construction phase.	-8	-2	-2	-4	-4	-4	-4	-2	-2	-2	-4	-3	
				27	Unsustainable sourcing of raw materials	Illegal sourcing of raw materials, such as gravel, sand, water etc. promoting illegal mining operations causing significant damage to the environment.	-8	-4	-8	-8	-8	-8	-2	-1	-4	-8	-4	-4	
								OI	PERATION PHA	ASE									
				28	Water supply	Increased pressure on water source for water supply.	-8	-4	-1	-8	-8	-6	-4	-4	-1	-4	-4	-4	
				29	Sewage management	Increased production of sewage which requires effective management	-16	-4	-8	-16	-8	-11	-8	-2	-2	-4	-2	-4	
				30	Solid waste management	Increased pressure on municipal waste removal services and illegal dumping of waste	-16	-4	-8	-8	-8	-9	-8	-2	-2	-4	-2	-4	
		DECOMMISSIONING AND CLOSURE PHASES																	
				31	Waste	Demolition of infrastructure resulting in waste accumulation on-site and surrounding area.	-16	-2	-4	-8	-4	-7	-4	-1	-2	-2	-4	-3	
				32	Soil and water	Exposed soil becoming prone to erosion and sedimentation of the drainage line.	-8	-2	-8	-8	-4	-6	-2	-1	-2	-4	-4	-3	