

A.		Impact Rating: Construction	Pre-Proposed construction of Jade Hills Portion 26 of Farm Stinkfontein 383, Ceres.														
No.	ASPECT	IMPACT	WITHOUT MITIGATION					WITH MITIGATION					Short Description of Mitigation Measures				
			Probability	Extent	Duration	Magnitude	Receiving Environment	Without Mitigation Score (Baseline)	Probability	Extent	Duration	Magnitude		Receiving Environment	With Mitigation Score (Impact assessment)		
1	Botanical	Potential loss of Ceres Shale Renosterveld	-2	-1	-4	-2	-1	-2	-1	-1	-1	-1	-1	-1	<p>Implementation of the EMPr: * A suitably qualified ECO must be appointed;* Before any work is done physically demarcate the footprint of the proposed dam & access routes route and strictly prohibit any vehicles or construction related activities outside of the demarcated footprint area - This can be done with danger tape, which should be removed once the construction activities have been completed; * Ensure signs are put up reminding workers to stay on the existing roads;* Indiscriminate cleaning of areas must be avoided; * All alien plants to be removed within the construction footprint and immediate surroundings; * An intergrated waste plan to be agreed upon and implemented; * Environmental Awareness training to be conducted with all workers. Recommendations from specialists to be included.</p>		
		Loss of Ecological Support Areas (ESA)	-8	-2	-16	-2	-16	-8,8	-1	-1	-4	-1	-1	-1,6	<p>**Implementation of the EMPr;* Before any work is done physically demarcate the footprint of the proposed dam & access routes and strictly prohibit any vehicles or construction related activities outside of the demarcated footprint area. * Ensure signs are put up reminding workers to stay on the existing roads/ in the construction footprint. * Indiscriminate cleaning of areas must be avoided; * Environmental Awareness training to be conducted with all workers. Recommendations from specialists to be included.</p>		

		Surface & ground water contamination	-1	-2	-4	-2	-1	-2	-1	-1	-1	-1	-1	-1	* Implementation of the EMPr; *Ensure construction activities are restricted to the demarcated footprint and strictly prohibit any vehicles or construction related activities outside of the demarcated footprint area. *Concrete mixed on site as per the EMPr and surplus must be disposed of in the correct manner. * Inspect all vehicles daily for the early detection of deterioration or leaks. * The contractor should ensure drip trays are placed under stationary vehicles.
3	Heritage	Loss of archaeological/ palaeological resources	-4	-1	-4	-1	-1	-2,2	-1	-1	-1	-1	-1	-1	In the case of any significant new fossil finds exposed during dam construction (e.g. concentrations of well-preserved fossil shells such as "starfish beds"), these should be safeguarded - preferably in situ - and reported by the ECO as soon as possible to Heritage Western Cape
4	Dust	Potential dust from ground clearing and topsoil removal	-4	-1	-1	-1	-1	-1,6	-1	-1	-1	-1	-1	-1	Dust will be monitored. If dust becomes a problem, dust will be controlled by means of water spray vehicles. No over watering of the site area or roads surfaces should occur. Speed limits must be enforced at all areas to limit the levels of dust pollution. Max speed of 40km/h must be maintained. Protect stockpiled topsoil using tarp or erosion blankets. Stockpile topsoil within an area where no stormwater runoff is expected
5	Visual		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	Construction related activities should remain within the demarcated footprint
6	Noise		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	Construction related activities should take place in day time hours