

JADE HILLS - Preferred Alternative														
Nature of Impact			Without Mitigation (Baseline)					Without Mitigation Score (Baseline)	With Mitigation					With Mitigation Score (Impact Assessment)
Number	Aspect	Impact	Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)	Receiving Environment (Significance/Consequence)		Probability (Likelihood)	Extent	Duration (Frequency)	Magnitude (Intensity/Severity)	Receiving Environment (Significance/Consequence)	
CONSTRUCTION PHASE														
1	Impact on Cultural, Archaeological, and Heritage Resources	Loss and/or damage to potential archaeological and historical sites within the construction footprint	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
2	Impact on Palaeontological Resources	Loss and/or damage to potential fossils within the construction footprint	-1	-1	-8	-4	-8	-5	-1	-1	-1	-4	-4	-2
3	Botanical	Vegetation Status: Loss of vulnerable vegetation and associated habitat.	-4	-1	-4	-1	-4	-3	-1	-1	-1	-1	-1	-1
4		Degradation to the remaining vegetation within and surrounding the drainage line;	-4	-2	-2	-2	-8	-4	-2	-1	-1	-1	-4	-2
		Transportation of construction materials can result in disturbances to soils, and increased risk of sedimentation/erosion; and	-4	-2	-2	-2	-8	-4	-2	-1	-1	-1	-2	-2
		Soil and stormwater contamination from oils and hydrocarbons.	-4	-2	-2	-2	-8	-4	-2	-1	-1	-1	-4	-2
5	Freshwater Resources	Earthworks could be potential sources of sediment, which may be transported as runoff into the downgradient areas;	-4	-2	-2	-2	-8	-4	-2	-1	-1	-1	-4	-2
		Exposure of soils, leading to increased runoff, and erosion, and thus sedimentation of the drainage line;	-4	-2	-2	-2	-8	-4	-2	-1	-1	-1	-4	-2
		Increased sedimentation of the drainage line, leading to smothering vegetation associated with the drainage line; and	-4	-2	-2	-2	-8	-4	-2	-1	-1	-1	-4	-2
		Further proliferation of alien vegetation as a result of disturbances.	-4	-2	-2	-2	-8	-4	-2	-1	-1	-1	-2	-2
6		Runoff from the imported material could increase the sediment load of the downstream reach of the drainage line.	-4	-2	-2	-2	-8	-4	-2	-1	-1	-1	-4	-2
7		Sedimentation and water quality impairment (increased hydrocarbons, suspended solids, hazardous substances and oils from the heavy machinery used) of the downgradient drainage line reach leading to further degradation of the downgradient habitat.	-4	-2	-2	-2	-4	-3	-2	-1	-1	-1	-4	-2
8		Loosening and exposure of soils leading to <i>in situ</i> erosion, and sedimentation of the downgradient drainage line reach.	-4	-2	-2	-2	-8	-4	-2	-1	-1	-1	-4	-2
9		Potential sedimentation for the downstream drainage line reach;	-4	-2	-2	-2	-8	-4	-2	-1	-1	-1	-4	-2

