



Sand Back Pass Pipeline and Pathway Upgrades - Construction Environmental Management Plan

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1 Introduction

1.1 Project Context and Scope

The Shire of Esperance has proposed to clear 0.570 ha of vegetation within several reserves, for the purpose of sand pipeline and pedestrian path construction. This is located along Castletown foreshore, west of Bandy Creek, within the Esperance Townsite.

The Sand Back Pass Pipeline and Pathway Upgrades will run concurrently to reduce unnecessary clearing associated with the two projects. Significant portions of the vegetation will be cleared to enable access by construction machinery, once the projects are completed, areas not occupied by infrastructure will be rehabilitated.

Portions of the site had previously been approved a part of CPS 7548/2 SOE070 and SOE077, only parts of the site had been cleared before the expiration of the CPS 7548/2 permit, and design modifications have been made since the initial approval under CPS 7548/2.

The mixed-use pathway design has been altered to shift the pathway away from the mature Norfolk Island Pines, this will significantly reduce maintenance cost associated with tree roots damaging the path.



Figure 1. Location of Sand Back Pass Pipeline and Pathway Upgrades and previously approved CPS 7548/2 SOE070 and SOE077.

Work will involve clearing of vegetation, civil works, installation of a new pipeline and construction of a new mixed-use path. The total clearing footprint for will not exceed 0.570 ha.

The Project will require the clearing of native vegetation and a Native Vegetation Clearing Referral has been submitted to the Department of Water and Environmental Regulation (DWER).

1.2 Scope and Purpose

This Construction Environmental Management Plan (CEMP) has been developed to outline environmental management measures to be implemented by the Shire of Esperance and its contractors during the Sand Back Pass Pipeline and Pathway Upgrades project. This includes, but is not limited to, measures to manage dust, erosion and spread of weeds and dieback during clearing of native vegetation.

2 Description of the Activity

2.1 Activity overview

Work will involve clearing of vegetation, civil works, installation of a new pipeline and construction of a new mixed-use path. The total clearing footprint for will not exceed 0.570 ha.

3 Management Measures

The management measures listed in Table 1 will be implemented during construction for this project.

Table 1. Management measures to be implemented during construction.

Item	Management Measure
Extent of Clearing	<ul style="list-style-type: none"> No more than 0.570 ha of clearing is permitted at the location. Shire's survey team to demarcate clearing extent prior to clearing works to ensure approved clearing boundaries are not breached.
Flora and vegetation	<ul style="list-style-type: none"> No more than 0.570 ha of clearing is permitted at the location. Clearing of vegetation will be kept to the minimum amount required.
Fauna	<ul style="list-style-type: none"> Clearing of native vegetation will be undertaken in a slow, progressive manner in one direction to allow fauna to move away from the clearing area. Construction personnel will not touch, feed or otherwise directly interact with fauna. Clearing will be undertaken during daylight hours only.
Weeds	<ul style="list-style-type: none"> All vehicles and machinery will arrive clean on site. Movement of vehicles and machinery will be restricted to the area to be cleared and existing cleared areas. The Shire / Contractors will ensure that no weed-affected soil, mulch, fill or other material is brought onto the site. .
Dieback	<ul style="list-style-type: none"> The Sand Back Pass Pipeline and Pathway Upgrades project is within a dieback risk area. However, vegetation within the project is not susceptible to Phytophthora dieback
Wetlands and Streams	<ul style="list-style-type: none"> The Sand Back Pass Pipeline and Pathway upgrades project is not associated with any wetlands or streams.

Erosion	<ul style="list-style-type: none"> • Standard construction measures regarding erosion and sediment control will be implemented during construction works. • Vegetation clearing will be completed via mulching and material will be left in place to reduce wind erosion. • Once construction has been completed any bare areas will be covered with topsoil and vegetative burden to reduce wind erosion.
Dust	<ul style="list-style-type: none"> • Standard construction dust control and mitigation measures will be implemented during clearing. This may include the use of a water trucks, or similar. • Ground disturbance and clearing of vegetation will be restricted during high winds if dust cannot be adequately controlled.
Noise	<ul style="list-style-type: none"> • The Shire and its contractors will comply with the Environmental Protection (Noise) Regulations 1997. • Within the Esperance townsite boundaries, this also includes restrictions on construction work on to any day, which is not a Sunday or Public Holiday between 7.00am - 7.00pm. • Complaints regarding noise will be recorded and investigated by Shire of Esperance.
Waste	<ul style="list-style-type: none"> • Rubbish will be disposed of in appropriate containers and all waste will be removed from the site.
Hydrocarbons	<ul style="list-style-type: none"> • Hydrocarbons and chemicals will be appropriately managed on site to prevent spills, including maintaining equipment in good working order in accordance with manufacturers specifications. • No refuelling will be undertaken within 100 m of a waterway, drain or drainage line. • Refuelling will be undertaken on hardstand or using catch trays only. Uncontrolled refuelling is not permitted. • Hydrocarbons will be appropriately stored at least 100 m away from drainage lines and stored in an appropriate bunded container.