



Reserve 49343 Proposed Laydown Yard

Construction Environmental Management Plan

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1 Introduction

1.1 Project Context and Scope

The Shire of Esperance manages the largest road network of any local government in Western Australia, encompassing a total of 4,593 km of road. The Shire of Esperance has a long-term plan to progressively upgrade these roads. Maintenance of roads requires the SOE to maintain a fleet of machinery, as well as an ongoing supply of earth materials such as gravel, limestone, and blue gravel.

The proposed Reserve 49343 Laydown Yard project is anticipated to improve storage capacity within the Shire of Esperance for holding extracted materials and machinery otherwise currently stored in the SOE depot yard. The proposed site for this laydown yard was chosen due to its close proximity to the existing SOE depot building and location within the existing Chadwick light industrial area (LIA).

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 construction of the proposed Reserve 49343 Laydown Yard 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, earthworks for site levelling, drainage and any associated civil works, and installation of a compacted gravel laydown yard surface. The total clearing footprint for will not exceed 0.94 ha.

A 1000 L container of FarmPro® 700 Surfactant (produced by 4Farmers) requires prompt removal from the site prior to any nearby earthworks or clearing. As this waste (as Schedule 5 poison) cannot be accepted by the Wylie Bay Waste facility, the agricultural and veterinary chemical collection and disposal company ChemClear has been contacted to remove the container when they are next servicing the Esperance region. This chemical is regarded as an Environmentally Hazardous Substance, toxic to aquatic life with long-lasting effects, is harmful if swallowed, and its corrosiveness will cause severe skin burns and eye damage if improperly handled. Respiratory protection and VOC gloves are required for handling. It is unknown who dumped this container at the site or how long it has been in-situ.



Figure 1: Map of Reserve 49343 Proposed Laydown Yard project area.

Construction Environmental Management Plan – Reserve 49343 Proposed Laydown Yard – Shire of Esperance

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 0.94 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 0.94 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 (away from the road) to allow fauna to move away from the clearing area and into adjacent vegetation. • Construction personnel will not touch, feed or otherwise directly interact with fauna. • Due to likelihood of native frogs breeding in damp dune swales during winter, clearing should be undertaken during summer and / or autumn. • Clearing will be undertaken during daylight hours only.
Weeds	<ul style="list-style-type: none"> • All vehicles and machinery will arrive clean on site in compliance with SOE protocols. • 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. • Direct treatment of Declared Pest weeds on-site, including African Boxthorn (<i>Lycium ferocissimum</i>) and Bridal Creeper (<i>Asparagus asparagoides</i>), and correct disposal of soil containing Bridal Creeper bulbs.
Dieback	<ul style="list-style-type: none"> • All vehicles and machinery will arrive clean on site. • The Shire / Contractors will ensure that no dieback-affected soil, mulch, fill or other material is brought onto the site. • Surface and sub-surface water are an efficient means for the spread of Phytophthora Dieback. To ensure the pathogen would not be spread around the site if accidentally introduced it is important to contain any surface water. Ensure drainage does not enter the site from surrounding areas • Ideally water used on site (e.g. to reduce dust) should be either from mains supply or a deep bore. If the water is from a dam or creek it is essential to sterilise the water prior to its use.
Wetlands and Streams	<ul style="list-style-type: none"> • The dune swales are seasonally-damp and works should be undertaken when dry.
Erosion	<ul style="list-style-type: none"> • Standard construction measures regarding erosion and sediment control will be implemented during construction works.

Item	Management Measure
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. • Prompt removal of IBC of FarmPro® 700 Surfactant (an Environmentally Hazardous Substance) by authorised chemical collection and disposal company.
Hydrocarbons	<ul style="list-style-type: none"> • No fuel will be stored on site and all refuelling will take place at the existing fuel bowser at the Shire depot. • Appropriate management of any chemicals stored on-site to prevent spills, including the maintenance of equipment in good working order in accordance with manufacturers specifications. • Any hydrocarbons and chemicals will be appropriately managed on site to prevent spills, including maintaining equipment in good working order in accordance with manufacturers specifications.