

APPENDIX C

SITE ENVIRONMENTAL MANAGEMENT PLAN



Site Environmental Management Plan

Friday Flat Car Park CP2 4.1.19

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1 INTRODUCTION

1.1 Background

This Site Environmental Management Plan (SEMP) has been prepared for the proposed construction of a car park (CP2), above Friday Drive at Friday Flat, Thredbo Alpine Resort.

1.1.1 Project Description

A detailed description of the development proposal is included within section 3 of the *Statement of Environment Effects.*

1.2 Objective

The objectives of this SEMP are to provide a platform:

- (a) That identifies environmental objectives;
- (b) That details environmental management guidelines and procedures, and ensures that Event Hospitality and Entertainment (Event) and the construction contractor are aware of these procedures, who is responsible for implementing and maintaining the required safeguards; and
- (c) That provides guidelines for incidents and emergencies.

1.3 Legislative/statutory requirements

The activity must comply with the following legislation/standards:

- Biodiversity Conservation Act, 2016
- Environmental Planning and Assessment Act 1979,
- National Parks and Wildlife Act 1974,
- Building Code of Australia,
- Environment Protection and Biodiversity Conservation Act 1999 (Cwlth)
- Protection of the Environmental Operation Act 1997,
- Water Management Act 2000,
- Environmentally Hazardous Chemical Act 1985.
- Soil Conservation Act 1938.

2 SITE ENVIRONMENTAL MANAGEMENT PLAN

2.1 Environmental Objectives

The Environmental Management Objectives of this SEMP are as follows:

2.1.1 Soils, geology and geomorphology

 Minimise the potential for soil erosion of the proposed works so as not to impact on the surrounding landscape and hydrological features.

2.1.2 Hydrology and water quality

 Minimise the risk of potential pollution during and following excavation of Creeks. Minimise the potential for sediment transport from the site.

2.1.3 Flora

- Minimise potential impacts to native vegetation.
- Rehabilitate with appropriate indigenous and exotic species.

2.1.4 Fauna

- Minimise direct impacts to native fauna and habitat.
- Restore habitat values as quickly as possible following the works.

2.1.5 Social and economic impacts

- Ensure that works conform with the Environment Protection Authority's construction noise criteria.
- Obtain community and visitor understanding of the project to maximise tolerance associated with disruption.

2.1.6 Archaeology

 To minimise impacts on places and artefacts of archaeological and aboriginal cultural significance, consistent with obligations under section 90 of the NPW Act.

2.1.7 Resource impacts

- Minimise waste from the construction site and recycle waste where possible.
- Minimise risk of chemical spills.
- Ensure prompt and effective clean up of any accidental spills.

2.1.8 Visual and scenic

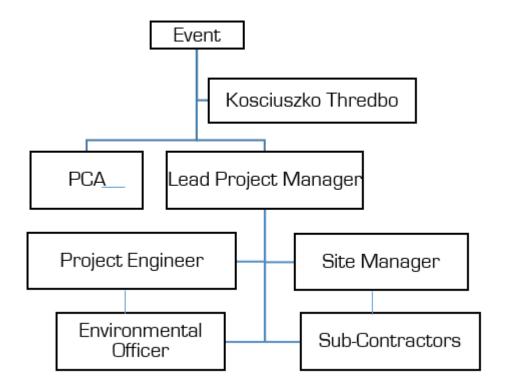
Minimise visual impact of works during and following construction.

3 MANAGEMENT

3.1 Project Organisational Arrangement

The proposal is funded by Event, who will manage its construction.

3.1.1 Project Team Structure



3.2 Roles and Responsibilities

3.2.1 Lead Project Manager

- · Defines environmental responsibilities within the project,
- Develops, implements and maintains this SEMP,
- Supervises implementation of training/induction,
- Ensures records are kept,
- Ensures environmental requirements are incorporated into the contract document,
- Ensures the requirements of the SEMP are implemented, and
- Arranges audits/reviews of the SEMP at appropriate stages.

3.2.2 Site Manager/Project Engineer

- Is familiar with contents of this SEMP,
- Ensuring that all personnel including contractors/sub-contractors comply with the SEMP requirements relevant to their scope of work.

3.2.3 Sub-Contractors

Implement and maintain SEMP relevant to work being undertaken, and

Report on compliance as required (Environmental safeguards Action Chart).

3.2.4 Environmental Officer

- Is familiar with the contents of this SEMP
- Is familiar with contractors Environmental Management Plan
- Observes and monitors contractors compliance on a daily basis,
- Reports on compliance with this SEMP and Contractors SEMP, and
- May participate in construction audits.
- Will undertake a weekly inspection and undertake a report as per Attachment

3.3 Training

All staff involved with works, and the contractor would be made aware of the relevant requirements of this SEMP. Training would be initiated by site induction. The Lead Project Manager/Site Manager is responsible for the site training of all of their employees, and nominated representatives of the contractor. The contractor is responsible for site induction and training of their staff.

Site induction of would include:

- i) Environmental awareness, including relevant Kosciuszko Thredbo (KT) policy, the concept of due diligence, and other relevant codes of practice;
- ii) Environmental issues including:
 - The SEMP,
 - Relevant legislation/licence/approvals,
 - Emergency preparedness/procedures.
 - Incident reporting,
 - Community consultation, and
 - Site environmental procedures

3.4 Communication

The communication strategy would mirror the contractual responsibilities illustrated in section 3.2

3.4.1 Stakeholder Consultation

Key stakeholder consultation would occur with DPE, the NPWS and sub-lessees with interests in the development.

3.5 Environmental Control Plans

A Soil and Water Management plan has been prepared and provided in Attachment 2 with a separate Erosion and Sediment Control Plan prepared by TTW.

3.6 Construction Program & Procedures

3.6.1 Site Construction Fencing

The diagrammatic plans provided in Attachment 1, identifies a suitable location for the site construction fencing around the work site, for each stage.

3.6.2 Material/Stockpile Storage Areas

The primary material/stockpile storage area is proposed to be located along the edge of Friday Drive within the angled parking area.

3.6.3 Site Compound

The diagrammatic plans provided in Attachment 1, identifies the location for the site compound to be located along the edge of Friday Drive within the angled parking area. This is to be used for temporary site offices and other equipment.

3.6.4 Demolition Works

All demolition work shall comply with AS 2601 The demolition of structures.

3.6.5 Noise, Vibration and Dust

All vehicles carrying spoil, rubble or vegetation debris to or from the site shall at all times be covered to prevent the escape of dust or other material, with covers to be adequately secured and roadways and footpaths to be kept clean.

3.6.6 Waste Management

All builders' waste and rubbish is to be contained within covered receptacles to prevent litter being blown about the site. All waste will be dealt with according to the Thredbo Village waste management strategy.

3.6.7 Emergency/Incident Procedures/Fuel and Chemical Spills

Any emergency/incident procedure will follow the document, Construction Site Incident and Emergency Procedures Thredbo Village, October 2017, that includes reference to spill procedures and emergency and incident responses, including "call the mountain/general manager and 000 for Fire Brigade response". The Thredbo brigade has HAZMAT response capabilities, and the village department has spill kits at every village facility (ie pump stations, golf course sheds etc) and a 240-litre bin spill kit available for response.

It would also be a requirement that the contractor has an emergency/incident procedure plan that includes an oil spill response plan. The contractors are responsible for responding to any environmental emergency, including contacting appropriate authorities (KT, NPWS etc). These procedures are detailed in the "Kosciuszko Thredbo Pty Ltd Safety Procedure" document.

3.6.8 Amenities

Toilet facilities are provided within the Friday Flat base building, adjacent to the site.

3.6.9 Tree Cutting Protocol

Where the identified trees are to be pruned or removed, the following measures are to be undertaken to reduce the potential impacts to tree dwelling fauna species:

- Pre-clearing check for tree-dwelling fauna, nests and hollows;
- Trees should be felled by contractor using chainsaw;
- Trees should be felled in such a way as to avoid impacts on intact native vegetation;
- Trees with hollows should be felled so that the hollow is uppermost when the tree is lying on the ground;
- Vegetation to be chipped and mulch to be re-used for rehabilitation of the subject site and/or other sites as required.

3.7 Construction Access

Direct vehicle access can be achieved from Friday Drive. A temporary construction entry/exit is to be established as per the Erosion and Sediment Control Plan prepared by TTW (provided separately) and Attachment 1.

3.7.1 Construction Parking

Active construction vehicles can be parked along the edge of Friday Drive within the angled parking area.

3.7.2 Pedestrian and bike rider management

Mountain bike operations, bike riders and pedestrians using the Thredbo Valley Trail and surrounding paths and trails that will be impacted by construction works will be managed by use of signage, partial closure of trails and exclusion from construction works.

Attachment 1
Diagrammatic Plan



DIAGRAMMATIC PLAN - SEMP - FRIDAY FLAT CAR PARK CP2, THREDBO ALPINE RESORT

4.1.19

Attachment 2 Soil and Water Management Plan

Soil and Water Management Plan

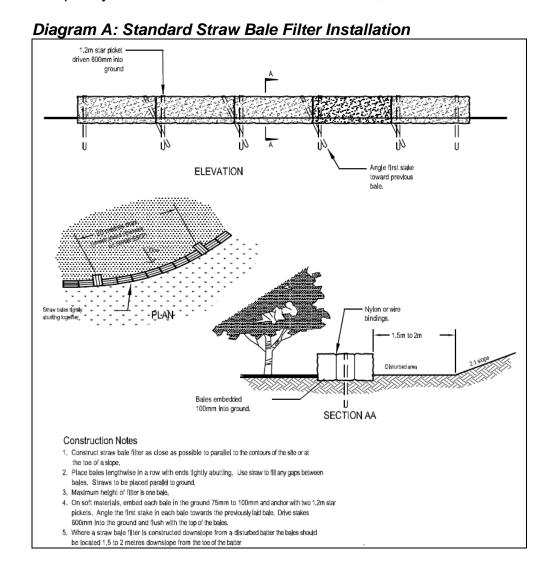
Erosion and Sedimentation Control

Appropriate environmental management controls will be required to manage soil and surface water during the construction of the development.

This will be undertaken in accordance with the Erosion and Sediment Control Plan prepared by TTW and Attachment 1 and as follows:

With regard to the hard surface areas associated with Friday Drive, alternate controls from the usual sediment fence are proposed.

Temporary controls will include a straw bale filter, installed as illustrated Diagram A



To ensure that the existing stormwater drains in the vicinity of the work site are to be protected, the method of protection is to include wrapping the stormwater drain in geotextile cloth, and surrounding the drain with a sediment (filter) sock as per the example provided below in figure 1.



Figure 1

In addition, a sediment (filter) sock or series of sandbags are to be installed on the down slope side, across the slope as per the example in figure 2.



Figure 2

Monitoring:

The nominated project Environmental Officer will be responsible for ensuring that all the erosion and sedimentation controls are installed in accordance with the above criteria and are regularly maintained and monitored.

Attachment 3
Record of Complaint

Record of Complaint, Kosciuszko Thredbo Pty Ltd

For the recording of a complaint or incident (both verbal and written complaints). Time and Date complaint received: Reference number: Name of representative who witnessed Name and contact details of complainant: complaint: Nature of complaint..... Action taken in response to complaint:.....

Attachment 4
Weekly Inspection Report



Distribution: File_

Euan Diver

ENVIRONMENTAL SERVICES WEEKLY INSPECTION REPORT

Other_

11/16/2010

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Project:	NT MANAGEMENT	DI ANI	Ir	nspection Date:		
Inspected by:		· · · · · · · · · · · · · · · · · · ·				
Weather:	Morning Clear/Overcast Fine/Rain/		iow		Afternoon ercast Fine/Rain/Snow	
Operation	Condition	Plant/l	₋abour	Comments		
Silt Fence						
Hay Bale retention ponds						
Hay Bale sediment protection						
Stormwater Pit protection						
Cyclone Fence (including gates) Paraweb Fence						
Parawed Fence						
Site Signage						
Toilet Block						
Paint Washout facility						
Vehicle Washdown						
Waste Skips						
Tree Protection						
Verbal Discussion with Con	tractor:	,	√erbal dis	cussion with others:		
Materials Received / Required:			Site Instru	ctions Issued:		
Inspectors Report / Summary:			Action required:			
Signature:				Date	:	

Worklist_

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