

Guthries Lift Replacement

Site Environmental Management Plan (SEMP)

Version 1 – 1st September 2023

PROJECT & EMERGENCY CONTACTS

Charlotte Pass Snow Resort Project Manager	Ewan Murdoch – 0458 135 661
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Emergency	000
NPWS	Sarah Collum – 02 6450 5684
EPA	131 555

ENVIRONMENTAL MANAGEMENT MEASURES

ALSO SEE ATTACHED FIGURES

PRE-CONSTRUCTION

Induction	<ul style="list-style-type: none"> All project staff to be made aware of disturbance footprint and environmental safeguards prior to works commencing, particularly avoiding Pygmy Possum & Guthega Skink habitats.
Access	<ul style="list-style-type: none"> Fence off all approved construction areas and access corridors. Fence off and install “no-go” signage around Guthega Skink burrows that cannot be disturbed. Fence off and install “no-go” signage above and below Pygmy Possum boulders to avoid. Machinery from offsite to be cleaned prior to accessing site. All access to site via the formed Leichhardt access track. For Construction Access, see Staging Plan attached. Site works to be limited to dry periods where possible. Radio calls to be utilised to minimise vehicle passing / inadvertent disturbance to verges.
Storage	<ul style="list-style-type: none"> All equipment to be stored in Materials Storage Area & approved disturbance corridors. No storage of equipment or machinery under trees or on native vegetation.
Flora & Fauna	<ul style="list-style-type: none"> Fence off and install “no-go” signage around Guthega Skink burrows that cannot be disturbed. Heath material should be retained onsite for use as brush-matting during rehabilitation. Construction personnel and contractors are to be trained to identify Anemone buttercup specimens to ensure they can be avoided or translocated during works. Any anemone buttercup found within lift alignment areas identified for disturbance is to be translocated with the assistance of NPWS officers. Treat weeds onsite: <ul style="list-style-type: none"> Mechanical removal only for weeds in wet areas. NO herbicide use in wet areas.
Disturbance to Soil	<ul style="list-style-type: none"> Sedimentation and erosion controls to be installed in areas likely to experience soil loss into the surrounding environment.



Department of Planning
Housing and Infrastructure

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No DA 22/12013

Granted on the 29 February 2024

Signed D James

Sheet No 8 of 60

Charlotte Pass Snow Resort Pty Ltd

Replacement of Guthries Lift

Site Environmental Management Plan – September 2023

	<ul style="list-style-type: none"> Sediment fencing to be installed around materials staging area, as outlined on attached map.
DEMOLITION	
Disturbance to Soil	<ul style="list-style-type: none"> For erosion control, straw bale filters and/or sediment fencing are to be used on the downslope side of disturbance. Sediment controls are to be checked regularly and after each rain event. Prioritise straw bale filters in areas of sensitive vegetation to minimise extent of excavation / disturbance. Erosion and sedimentation controls shall be monitored & maintained daily and immediately following a rainfall event.
Flora & Fauna	<ul style="list-style-type: none"> Maintain fencing and signage to avoid impacts to no-go areas. No unapproved removal or disturbance of native vegetation. Refuelling away from areas of native vegetation where possible. No storage of material beneath the canopy of live trees or on native vegetation.
Machinery / Fuel	<ul style="list-style-type: none"> Spill kits shall be onsite at all times and readily accessible. Spills of any liquids shall be controlled, cleaned up & reported immediately. No maintenance other than emergency repairs shall be undertaken on site. Construction vehicles will be parked in designated staging area within previously disturbed area (see attached maps). Helicopter operations to be undertaken in accordance with Doppelmayr Demolition Plan.
Work Hours	<ul style="list-style-type: none"> All demolition activities shall be restricted to the hours as stipulated in the development consent issued by the Department of Planning and Environment (DPE).
Waste	<ul style="list-style-type: none"> All employees shall be informed of the need to maintain a clean worksite. All litter and waste to be contained and removed from site regularly. All remaining items from the removal of the existing lift are to either be either temporarily held in the material storage area, or taken off-site immediately upon removal.
Heritage	<ul style="list-style-type: none"> All staff and contractors working on the site shall be advised of the need to notify the Project Manager and cease work, if either indigenous or non-indigenous heritage items are encountered.
DURING CONSTRUCTION	
Disturbance to Soil	<ul style="list-style-type: none"> Any excess spoil is to be temporarily stored in the Material Staging Area and then removed from the site. For erosion control, straw bale filters and/or sediment fencing are to be used on the downslope side of excavations or disturbance. Sediment controls are to be checked regularly and after each rain event. Prioritise straw bale filters in areas of sensitive vegetation to minimise extent of excavation / disturbance.

	<ul style="list-style-type: none"> Erosion and sedimentation controls shall be monitored & maintained daily and immediately following a rainfall event.
Flora & Fauna	<ul style="list-style-type: none"> Use sod-replacement techniques for excavations wherever feasible. Maintain fencing and signage to avoid impacts to no-go areas. No unapproved removal or disturbance of native vegetation. Refuelling away from areas of native vegetation where possible. No storage of material beneath the canopy of live trees or on native vegetation. Any excavations left open overnight will be left such that any fauna are able to escape easily.
Rock Removal/Reduction Works	<ul style="list-style-type: none"> Drainage depression (construction access) to be filled with excess rock fragments won from excavation.
Tree Removal Works	<ul style="list-style-type: none"> No tree removal is proposed as part of the project's Scope of Works.
Concrete	<ul style="list-style-type: none"> No concrete washout to occur onsite.
Machinery / Fuel	<ul style="list-style-type: none"> Spill kits shall be onsite at all times and readily accessible. Spills of any liquids shall be controlled, cleaned up & reported immediately. No maintenance other than emergency repairs shall be undertaken on site. Construction vehicles will be parked in designated staging area within previously disturbed area (see attached maps).
Work Hours	<ul style="list-style-type: none"> All construction activities shall be restricted to the hours as stipulated in the development consent issued by the Department of Planning and Environment (DPE).
Waste	<ul style="list-style-type: none"> All employees shall be informed of the need to maintain a clean worksite. All litter and waste to be contained and removed from site regularly.
Heritage	<ul style="list-style-type: none"> All staff and contractors working on the site shall be advised of the need to notify the Project Manager and cease work, if either indigenous or non-indigenous heritage items are encountered.
Excavations	<ul style="list-style-type: none"> If excavations are to be left open overnight, then fauna egress measures must be installed.
FOLLOWING CONSTRUCTION	
Stabilisation & Revegetation	<ul style="list-style-type: none"> All disturbance to be stabilised immediately as works cease in an area. Revegetation to be carried out as soon as practical following works, in accordance with the Rehabilitation Plan and KNP Rehabilitation Guidelines. Mulch disturbed areas with straw, with brush-matting if possible to stabilise. Control weeds annually, or as required in the area.

Disturbance to Soil

- All erosion and sedimentation controls to be removed from site once ground has stabilised.

Figure 1 – Staging Plan

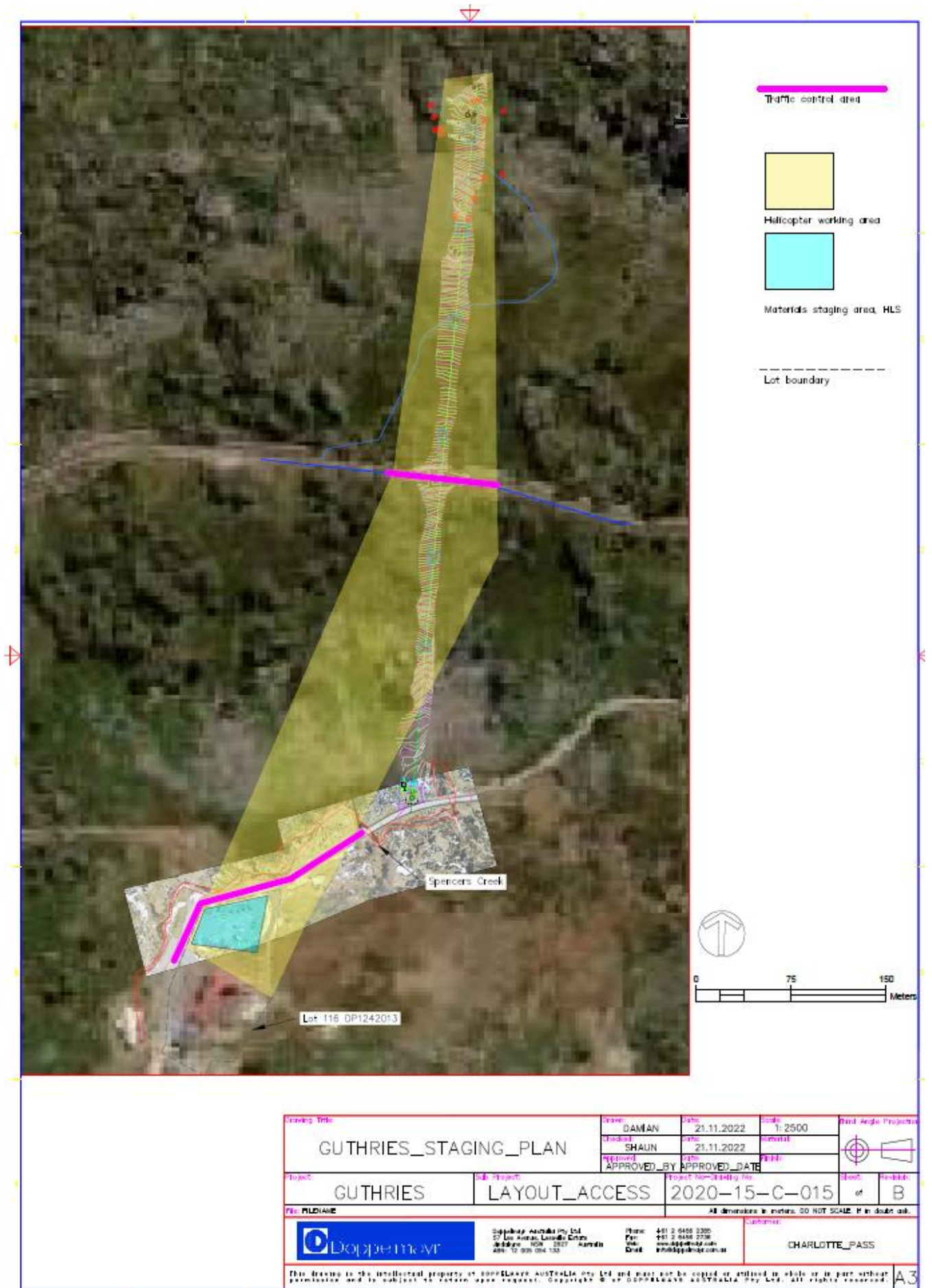
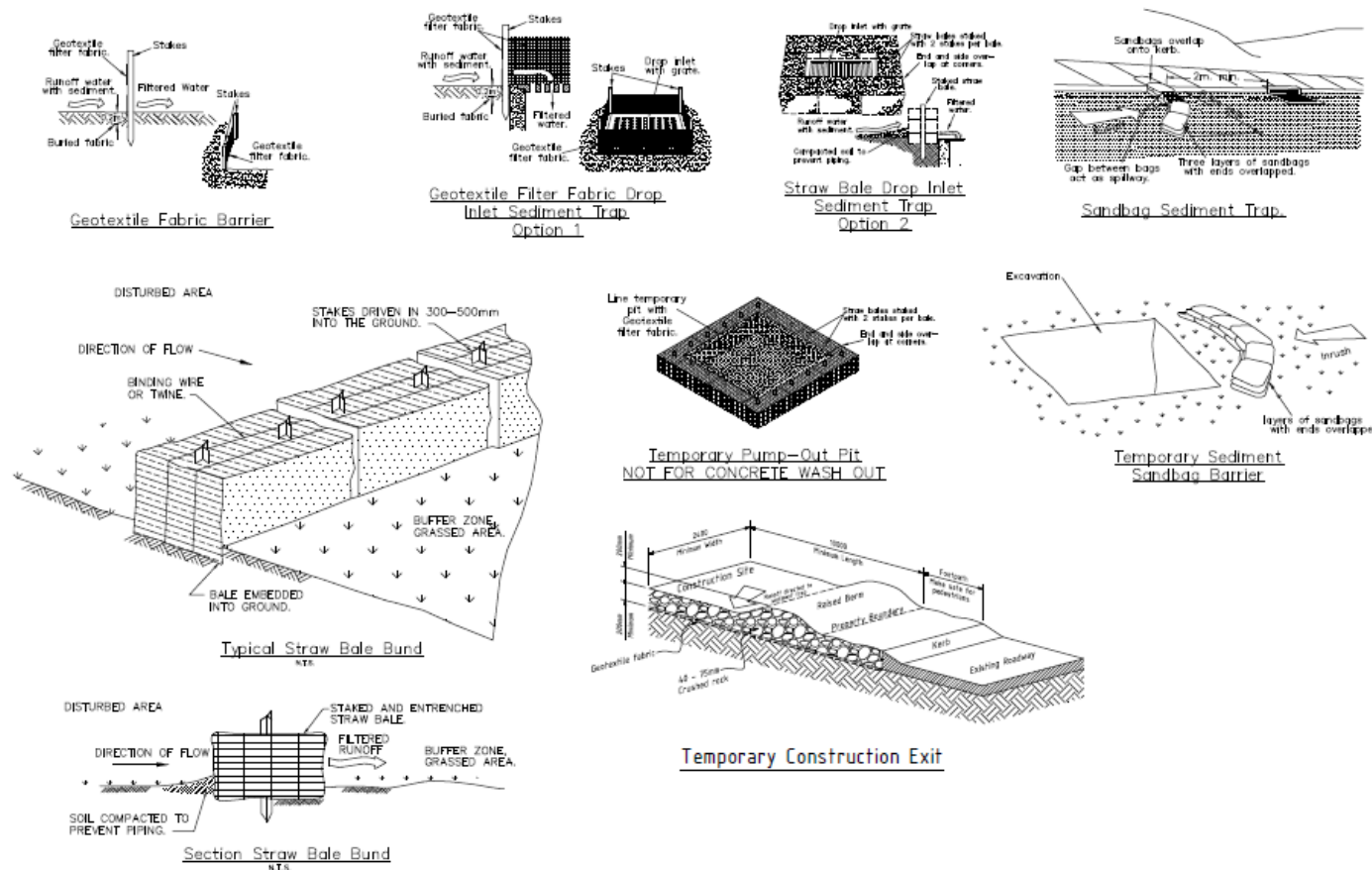


Figure 2 – Materials Staging Area



Figure 3 – Environmental Control Measures



EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE PLAN IS TO BE READ IN CONJUNCTION WITH THE EROSION CONTROL PLAN, AND OTHER PLANS OF WRITTEN INSTRUCTIONS THAT MAY BE REQUIRED TO BE DEVELOPED BY THE SUBJECTS.
2. THE SITE SUPERVISOR WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT DEVICES ARE LOCATED AS INSTRUCTED IN THE SPECIFICATIONS.
3. ALL BARRIERS AND EROSION-CONTROL DEVICES WILL BE PROVIDED IN PLACE IMMEDIATELY IN ORDERING THE POTENTIAL FOR SOIL EROSION AND SEDIMENTATION TO DEVELOPELANDS AND WATERWAYS.

CONSTRUCTION Sequence

4. THE SOIL EROSION POTENTIAL OF THE SITE SHALL BE DETERMINED, HENCE, MEASURES SHALL BE TAKEN TO PREVENT EROSION.
5. INITIAL EROSION PREVENTION:
 - A. IMMEDIATE EROSION CONTROL MEASURES SHALL BE ADOPTED WITH THE COMMENCEMENT OF CONSTRUCTION OF ANY OF THE LAND DISTURBANCE IS CAUSED BY AREAS OF WORKABLE SIZE.

Prevention Control

6. DURING INITIAL CONSTRUCTION, LARGE UNPROTECTED AREAS WILL BE KEPT UNEXPOSED BY OVERLAPPING SURFACES TO REDUCE DISTURBANCE.
7. FINAL EROSION CONTROL MEASURES SHALL BE INSTALLED AS SOON AS POSSIBLE AND WHEN IT IS NECESSARY FOR THE COMPLETION OF CONSTRUCTION ACTIVITIES.
8. STRUCTURES SHALL BE LOCATED WITHIN 2 METERS OF NEARBY AREAS, INCLUDING AREAS OF CONCENTRATION OF SOIL WASHING PLAINS AND EROSION CONTROL DEVICES. SPECIAL EROSION CONTROL MEASURES SHALL BE TAKEN TO PREVENT EROSION OF THE NEARBY AREAS, FOR THE PROTECTION OF THE EROSION CONTROL DEVICES.

Prevention

9. ANY SAND/SEDIMENT CONTROL DEVICES OR PREVENTION OF EROSION SHALL BE DESCRIBED AS TO THE CONSTRUCTION OF THE SITE AND THE EROSION CONTROL DEVICES.
10. WATER WILL BE CONTROLLED FROM EXISTING PERMANENT DRAINAGE SYSTEMS BY THE INSTALLATION OF EROSION CONTROL DEVICES (E.C.D.) TO PREVENT EROSION OF THE NEARBY AREAS. EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS POSSIBLE AND WHEN IT IS NECESSARY FOR THE COMPLETION OF CONSTRUCTION ACTIVITIES.
11. TERRACE WALLS AND WATER MANAGEMENT STRUCTURES SHALL BE PROVIDED WITH THE EROSION CONTROL DEVICES AND THE EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS POSSIBLE AND WHEN IT IS NECESSARY FOR THE COMPLETION OF CONSTRUCTION ACTIVITIES.

Other Notes

12. ALL EROSION CONTROL DEVICES SHALL BE PROVIDED FOR EROSION CONTROL AND PREVENTION OF EROSION. ALL EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS POSSIBLE AND WHEN IT IS NECESSARY FOR THE COMPLETION OF CONSTRUCTION ACTIVITIES.
13. ALL EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS POSSIBLE AND WHEN IT IS NECESSARY FOR THE COMPLETION OF CONSTRUCTION ACTIVITIES.
14. ALL EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS POSSIBLE AND WHEN IT IS NECESSARY FOR THE COMPLETION OF CONSTRUCTION ACTIVITIES.

Site Inspection & Maintenance

15. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT REGULAR INTERVALS. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS SOON AS POSSIBLE AND WHEN IT IS NECESSARY FOR THE COMPLETION OF CONSTRUCTION ACTIVITIES.
16. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS SOON AS POSSIBLE AND WHEN IT IS NECESSARY FOR THE COMPLETION OF CONSTRUCTION ACTIVITIES.

Construction Sequence

17. EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS POSSIBLE AND WHEN IT IS NECESSARY FOR THE COMPLETION OF CONSTRUCTION ACTIVITIES.
18. EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS POSSIBLE AND WHEN IT IS NECESSARY FOR THE COMPLETION OF CONSTRUCTION ACTIVITIES.
19. EROSION CONTROL DEVICES SHALL BE INSTALLED AS SOON AS POSSIBLE AND WHEN IT IS NECESSARY FOR THE COMPLETION OF CONSTRUCTION ACTIVITIES.

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