

Our ref: 7471-R1 Rev3
13 February 2025



Suite 2.06 / 56 Delhi Road
North Ryde NSW 2113
02 9878 6005
assetgeoenviro.com.au

Kosciuszko Thredbo Pty Ltd
1 Friday Drive
Thredbo NSW 2625

Attention: Chloe Chalk

Dear Chloe,

Proposed Playground Upgrade, Thredbo Village NSW Geotechnical Assessment

1. Introduction

This report presents the results of a geotechnical assessment for Proposed Playground Upgrade at Thredbo Village NSW (the Site). The assessment was commissioned by Zac McKenzie of Kosciuszko Thredbo Pty Ltd. The work was carried out in accordance with the proposal by AssetGeoEnviro (Asset) dated 3 February 2024, reference 7471-P1. This report is updated for the latest development plan comprising the following updated scope.

Playground: The design remains largely the same, with two slides now placed adjacent to each other and minor alignment adjustments. The highest platform is 1.8m.

Plaza: The grassed plaza area between the skate park and pump track will be paved.

Pump track: The existing pump track (approximately 850 m²) will be demolished and rebuilt in the same location with a slightly larger footprint (approximately 1,000 m²). Bermed features reach up to 1.3 meters in height, and the entire surface will be asphalted. The current emergency access near Thyne Reid Drive will be removed, with a new emergency access lined with boulders for delineation as illustrated in Photo 7. It is noted that these boulders do not retain any soil.

Water main upgrade: The water main along the playground will be decommissioned and replaced with a 200mm welded uPVC pipe. The existing valve assembly on the southern section of the connecting main will be removed and replaced with a 1.5 meter section of 100 mm uPVC, connected by two Gibault fittings.

Documents supplied to us for this investigation comprised:

- Concept Plan #4 – Nature Play Space, Thredbo Village Playground, undated, unreferenced (attached).
- Accessible Play Tower Documentation, by Edible Kids Gardens, Play space upgrade in Thredbo, Version 3, January 2025.
- Site Plan, and Services Plan, by Thredbo Pty Ltd, Project number DA 6877 Mod2, revision B, dated 18 July 2024.

- Demolition Plan, by Thredbo Pty Ltd, Thredbo Playground Upgrade, 30 June 2024.
- Playground Fencing, by Kosciuszko Thredbo Pty Ltd, 24003ES, Rev 0, 16/01/25.
- Cross section Plan, by Thredbo Pty Ltd, Water main replacement trench 17 July 2024.
- Structural Plans (preliminary) for A-Frame Log Swing Set, by Erwin Structural Engineering, unreferenced, undated.

We understand that the project involves redevelopment of the existing playground with upgrade in water mains running within the western part of the Thredbo Village, with some minor excavation planned in the southern part and western part for water main trench. The site appears to be outside the “G” area as per Department of Infrastructure, Planning and Natural Resources “Geotechnical Policy – Kosciuszko Alpine Resorts” and is also expected to be of minor impact.

2. Scope of Work

The objective of the Geotechnical Assessment is to provide information on the surface conditions and likely subsurface conditions, and to provide a Site Classification to AS2870-2011 'Residential Slabs and Footings' and a Form 4 certification with design recommendations.

The following scope of work was carried out to achieve the project objectives:

- A review of existing regional maps and reports relevant to the Site held within our files.
- Visual observations of surface features.
- Engineering assessment and reporting.

This report must be read in conjunction with the attached “Important Information about your Geotechnical Report” in Appendix A. Attention is drawn to the limitations inherent in site investigations and the importance of verifying the subsurface conditions inferred herein.

3. Regional Topography & Site Geology

The regional topography comprises moderately to steeply sloping terrain flanking the north-easterly flowing Thredbo River, with ground slopes over the land flanking the river generally ranging from 10° to 30° and some locally steeper sections, and more gentle slopes over the river shoulders. Numerous drainage depressions and watercourses flow towards the river, with some of the persistent watercourses to the north of the river carved several metres into the underlying granite bedrock. Side slopes to creeks and watercourses are typically steeper at 20 to 35°, and typically include numerous granite boulders and cobbles.

The 1:250,000 Tallangatta Geological Map indicates the site is underlain by Silurian aged intrusive granite.

4. Site Observation

The proposed playground, adjacent plaza and pump track upgrade is understood to occupy virtually the same footprint as the existing (shown in Photos 1, 2, 4,5, and 6).

The ground surface slopes gently to the north-west at about 5° reducing to less than about 3°. Existing development for the playground area includes various playground equipment and ground surfacing with mulch, flanked by grassed area within a fenced enclosure. A large granite boulder is located in the north-

eastern part and is to remain as part of the development. Car parking areas are located to the north and west of the playground. Friday Drive is located to the north. Large gum trees are located to the east and south.

The existing plaza is located north of the pump track and primarily consists of landscaped grass, with a restroom to the south and seating benches to the east and west. A utilities distribution board and a rubbish bin are also present in the area.

The pump track is situated east of the existing playground, bordered by the village green to the west, an emergency access path to the south, a walking track to the east, and the plaza to the north. It features an undulating surface forming a wavy path, with some rock boulders observed around its perimeter.

The existing water main is located north of Thyne Reid Drive, on the flat surface of the village green. To the west of the water main, there is a play court. The emergency exit is situated south of the pump track, connected to Thyne Reid Drive, and is paved with asphalt.

There are no major structures located in the vicinity of the development.

It is possible that historic development of the site has involved some filling, more likely within the southern part of the site where the slightly steeper slope is observed, which flanks the level grassed field.

5. Discussions and Recommendations

The proposed work involves minor excavation about 1m deep in the southern part of the site for the water main and valve assembly trenches. The water main trench will be approximately 0.6m x 1.0m, while the valve assembly trench will be 2m x 2.5m x 1.5m deep, with a total disturbance area of approximately 31m². Minor excavation and shallow pile holes up to about 1.5m depth for the playground equipment footings are anticipated. Additionally, the pump track will contain berms up to 1.3m high.

The emergency access track will run off Thyne Reid Drive at the location indicated in Figure 1, at a maximum slope of 15° as shown in the long section in Figure 2. Based on a nominal 150mm thick gravel access track, minor cutting and filling are proposed to level out the track, with cutting expected to be less than 300mm deep and filling less than about 150mm. Widths of the track are shown on Figure 1. The entrance off Thyne Reid Drive is to be fitted with a suitable gate to prevent unauthorised vehicle access. Given the modest slopes and short lengths involved, no specific drainage measures are considered necessary.

The proposed works will have 'minimal or no geotechnical impact' on the site, based on the generally relatively shallow depths of excavation required, and the lack of obvious signs of hillside instability observed or expected. We therefore consider that a geotechnical report prepared in accordance with the Geotechnical Policy for Kosciuszko Alpine Resorts (2003) is not required. A completed Form 4 – Minimal Impact Certification is attached to this report.

The following recommendations are provided for the development:

- Based on our site observations, we expect that due to likely previous site disturbance, the site is Class 'P', in accordance with AS2870-2011 'Residential slabs and footings'.
- Excavation is anticipated to be predominantly within soils of variable nature including fill and possibly completely weathered granite and cobbles and boulders. Excavation could be achieved by suitably sized excavator.

- Temporary excavation up to about 1m depth may be cut vertical in clayey soils, and nominally 1H:1V in sands and gravels. Deeper temporary excavations up to about 2.5m depth should be benched / battered at no steeper than 1.5H:1V.
- Permanent excavations should be formed no steeper than 2H:1V and should be provided with erosion protection.
- Filling should be placed in horizontal layers over prepared subgrade and compact as per Table 1. We consider the pump track as the pavement structure as no structural component is planned over it and entire surface is proposed to be asphalted.

Table 1 – Compaction Specifications

Parameter	Cohesive Fill	Non-Cohesive Fill
Fill layer thickness (loose measurement):		
• Within 1.5m of the rear of retaining walls	0.2m	0.2m
• Elsewhere	0.3m	0.3m
Density:		
• Beneath Pavements	≥ 95% Std	≥ 70% ID
• Beneath Structures	≥ 98% Std	≥ 80% ID
• Upper 150mm of subgrade	≥ 100% Std	≥ 80% ID
Moisture content during compaction	± 2% of optimum	Moist but not wet

- Subgrade for earthworks, pavements, slab-on-ground construction, and minor structures should be prepared as follows:
 - Strip existing fill and topsoil. Remove unsuitable materials from the Site (e.g., material containing deleterious matter). Stockpile remainder for re-use as landscaping material or remove from site.
 - Excavate soils to design subgrade level, stockpiling for re-use as engineered fill or remove to spoil.
 - Compact the upper 150mm depth to a dry density ratio (AS1289.5.4.1–2007) not less than 100% Standard.
 - Areas which show visible heave under compaction equipment should be over-excavated a further 0.3m and replaced with approved fill compacted to a dry density ratio not less than 100%.
- The supplied plans indicate that poles for footings for playground equipment need to be socketed into soils with an allowable bearing capacity of at least 100kPa. This would be satisfied if the soils comprise stiff or better clays or medium dense or better granular soils. Further advice must be sought if poorer quality soils are encountered, or if the required socket cannot be achieved due to refusal of excavation equipment.

6. Limitations

In addition to the limitations inherent in site investigations (refer to the attached Information Sheets), it must be pointed out that the recommendations in this report are based on assessed subsurface conditions from limited observations.

This report and details for the proposed development should be submitted to relevant regulatory authorities that have an interest in the property (e.g. Department of Planning) or are responsible for services that may be within or adjacent to the site for their review.

Asset accepts no liability where our recommendations are not followed or are only partially followed. The document "Important Information about your Geotechnical Report" in Appendix A provides additional information about the uses and limitations of this report.

Please do not hesitate to contact the undersigned if you have any questions regarding this report or if you require further assistance.

For and on behalf of

AssetGeoEnviro



Mark Bartel

BE, MEngSc, GMQ, CPEng, RPEQ/NER(Civil), DEP/PRE (NSW)
Managing Director | Senior Principal Geotechnical Engineer

Encl: Photos
Important Information about your Geotechnical Report
Figure 1 – Site Plan with Surface Contours
Figure 2 – Long Section A-A
Supplied Plans
Department of Planning & Environment Form 4

Document Control

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Document Status

Rev	Revision Details	Date	Author	Reviewer	Approver
0	Initial issue	28 March 2024	MAB		MAB
1	Updated scope	13 August 2024	AM	MAB	MAB
2	Comment addressed	14 September 2025	MAB		MAB
3	Respond to Dept RFI	13 February 2025	MAB		MAB



ISO 9001:2015
ISO 14001:2015
ISO 45001:2018 AS/NZS 4801:2001

Suite 2.06 / 56 Delhi Road
North Ryde NSW 2113
02 9878 6005
assetgeoenviro.com.au

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Site Photos



Photo 1: View of northern side of existing playground, looking northeast.



Photo 2: View of existing playground, looking southeast.



Photo 3: View of existing playground, looking south.



Photo 4: Existing Plaza Area, looking south. Source: Kosciuszko Thredbo Pty Ltd.



Photo 5: Existing Pump track Area, looking west. Source: Kosciuszko Thredbo Pty Ltd.



Photo 6: Existing Water Main and Emergency access area, looking east. Source: Kosciuszko Thredbo Pty Ltd.



Photo 7: Approximate location of proposed emergency access track. Boulders lining Thyne Reid Drive are proposed for lining new emergency access track. Source: Kosciuszko Thredbo Pty Ltd.

Scope of Services

The geotechnical report ("the report") was prepared in accordance with the contractual scope of services between the Client and AssetGeoEnviro ("Asset") for the specific site investigated. The scope of work may have been limited by factors like time, budget, access, or site disturbance.

Consult Asset before using the report if the project has changed. Asset won't be responsible for problems caused by project changes if not consulted.

Reliance on Data

Asset prepared the report using data provided by the Client and other individuals and organizations, including surveys, analyses, designs, maps, and plans. Asset has not verified the accuracy or completeness of the data except as stated in the report. Asset won't be liable for incorrect conclusions based on incorrect data, information, or conditions if they're concealed, withheld, misrepresented, or not fully disclosed.

Geotechnical Engineering

Geotechnical engineering heavily relies on judgment and opinion, making it less precise than other engineering disciplines. Reports are tailored to specific clients, projects, and needs, and may not be suitable for other clients or purposes. The report should only be used for its intended purpose unless additional geotechnical advice is obtained. If further geotechnical advice isn't obtained, the report can't be used if the proposed development's nature or details change.

Limitations of Site Investigation

The investigation program undertaken is a professional estimate of the scope of investigation required to provide a general profile of subsurface conditions. The data derived from the site investigation program and subsequent laboratory testing are extrapolated across the site to form an inferred geological model, and an engineering opinion is rendered about overall subsurface conditions and their likely behavior regarding the proposed development. Despite investigation, the actual conditions at the site might differ from those inferred to exist, since no subsurface exploration program, no matter how comprehensive, can reveal all subsurface details and anomalies.

The engineering logs are the subjective interpretation of subsurface conditions at a particular location and time, made by trained personnel. The actual interface between materials may be more gradual or abrupt than a report indicates.

Therefore, the recommendations in the report can only be regarded as preliminary. Asset should be retained during the project implementation to assess if the report's recommendations are valid and whether changes should be considered as the project proceeds.

Subsurface Conditions are Time Dependent

Subsurface conditions can be modified by changing natural forces or man-made influences. The report is based on conditions that existed at the time of subsurface exploration. Construction operations adjacent to the site, and natural events such as floods, or ground water fluctuations, may also affect subsurface conditions, and thus the continuing adequacy of a geotechnical report. Asset should be

kept apprised of any such events and should be consulted to determine if any additional tests are necessary.

Verification of Site Conditions

Where ground conditions encountered at the site differ significantly from those anticipated in the report, either due to natural variability of subsurface conditions or construction activities, it is a condition of the report that Asset be notified of any variations and be provided with an opportunity to review the recommendations of this report. Recognition of change of soil and rock conditions requires experience, and it is recommended that a suitably experienced geotechnical engineer be engaged to visit the site with sufficient frequency to detect if conditions have changed significantly.

Reproduction of Reports

This report is the subject of copyright and shall not be reproduced either totally or in part without the express permission of this Company. Where information from the accompanying report is to be included in contract documents or engineering specification for the project, the entire report should be included to minimize the likelihood of misinterpretation from logs.

Report for Benefit of Client

The report has been prepared for the benefit of the Client and no other party. Asset assumes no responsibility and will not be liable to any other person or organization for or in relation to any matter dealt with or conclusions expressed in the report, or for any loss or damage suffered by any other person or organization arising from matters dealt with or conclusions expressed in the report (including without limitation matters arising from any negligent act or omission of Asset or for any loss or damage suffered by any other party relying upon the matters dealt with or conclusions expressed in the report). Other parties should not rely upon the report or the accuracy or completeness of any conclusions and should make their own inquiries and obtain independent advice in relation to such matters.

Data Must Not Be Separated from The Report

The report presents the site assessment and must not be copied in part or altered in any way.

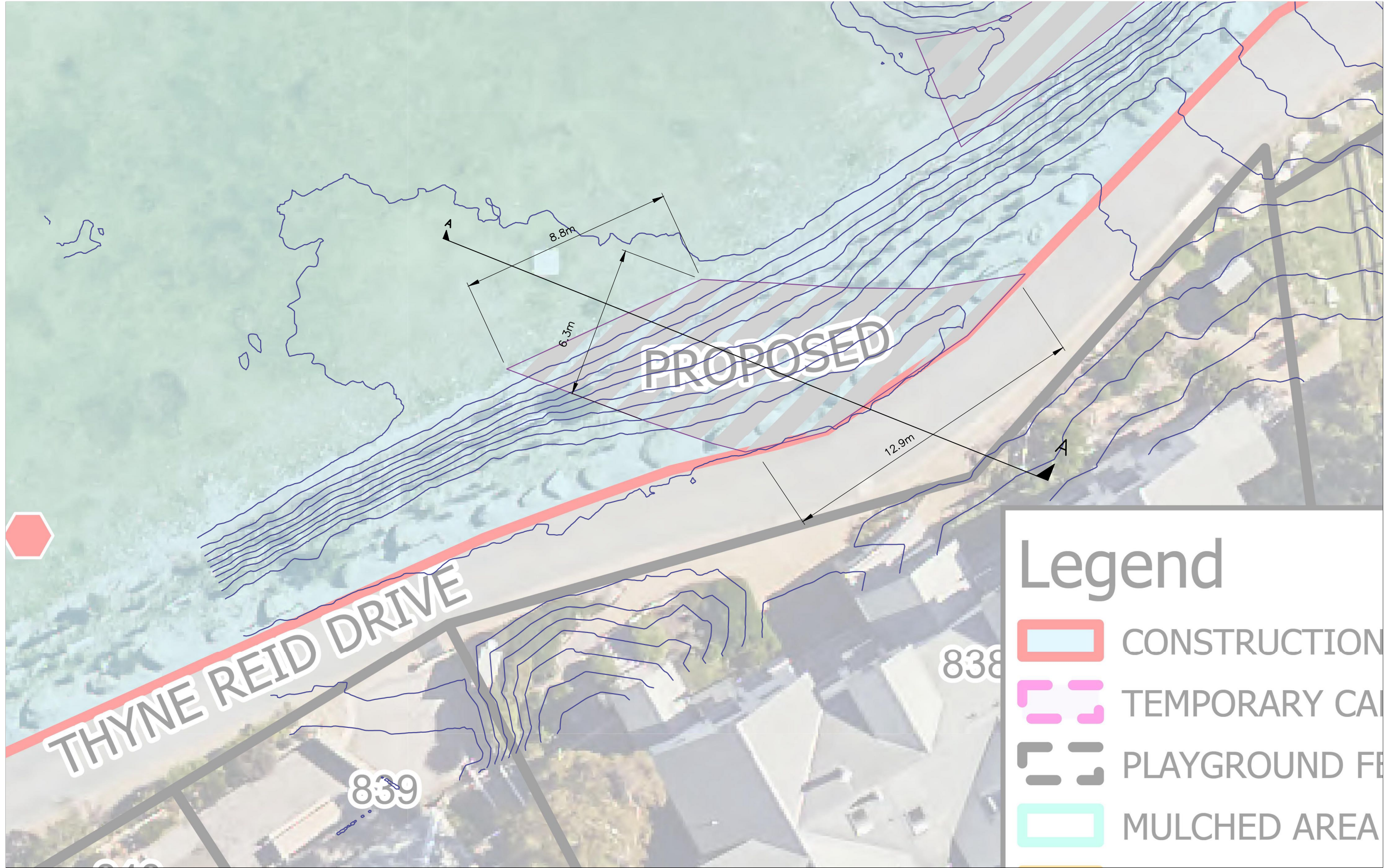
Logs, figures, drawings, test results etc. included in our reports are developed by professionals based on their interpretation of field logs (assembled by field personnel) and laboratory evaluation of field samples. These data should not under any circumstances be redrawn for inclusion in other documents or separated from the report in any way.

Report Recommendations not Followed

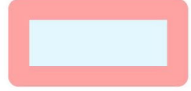
Where the report's recommendations are not followed, there may be significant implications for the project (e.g., commercial, property, personal, or life loss). Consult Asset if you don't intend to follow all the report recommendations. Asset won't accept responsibility if the report recommendations aren't followed.

Other Limitations

Asset will not be liable to update or revise the report to consider any events or emergent circumstances or fact occurring or becoming apparent after the date of the report.



Legend

-  CONSTRUCTION
-  TEMPORARY CONSTRUCTION
-  PLAYGROUND FILL
-  MULCHED AREA

Approximate only – subject to detail survey.
Source: 'MOD Village Green Site Plan', by Kosciuszko Thredbo
Pty Ltd, RevB, dated 18/7/2024.



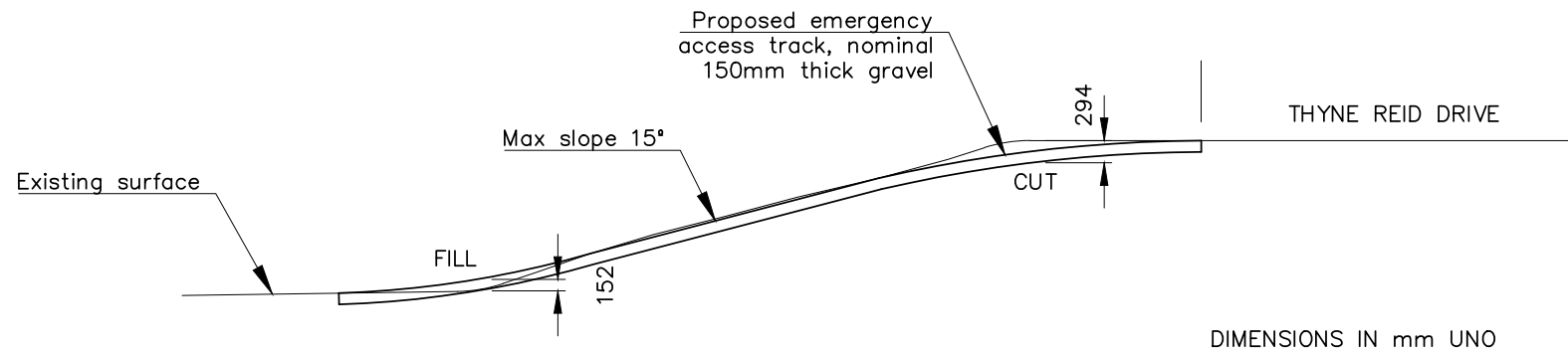
0 1:150 @ A3 7.5m

issue	date	description
A	13.2.25	Initial issue


2.06/56 Delhi Rd
North Ryde NSW 2113
t: 02 9878 6005
e: info@assetgeoenviro.com.au

Proposed Playground Upgrade,
Emergency Access Track
Thredbo NSW
for
Kosciuszko Thredbo Pty Ltd
Site Plan with Surface Contours

drawn: MAB	job no.: 7471	
date: 13.2.2025		
checked: MAB	fig: 1	issue: A
scale: 1:150 A3		



0 1:100 A4 5m

issue	date	description
A	13.2.25	Initial issue



2.06/56 Delhi Rd
North Ryde NSW 2113
t: 02 9878 6005
e: info@assetgeoenviro.com.au

Proposed Playground Upgrade
Thredbo NSW
for
Kosciuszko Thredbo Pty Ltd

Long Section A-A

drawn: MAB

date: 13.2.2025

checked: MAB

scale: 1:100 A4

job no.:

7471

fig:

2

issue:

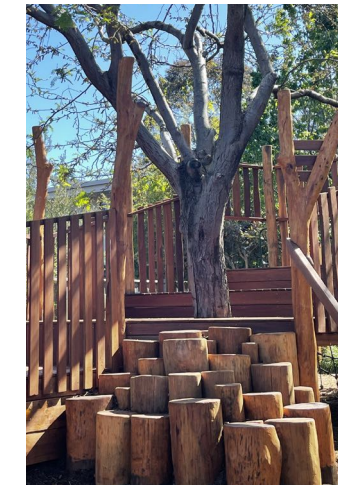
A

**CONCEPT
PLAN #3
Nature
Play Space**

Thredbo Village
Playground



**Wheelchair accessible
“tree house” fort**
with connected
platforms, slides
(0.5m and 1.5m high),
climbing net,
log “stairs”
and fireman’s pole



**Overlapping logs
& log slalom**
as balancing
challenge
in area of
natural lawn



Ramped pathway
of concrete
and/or
rigid steel mesh

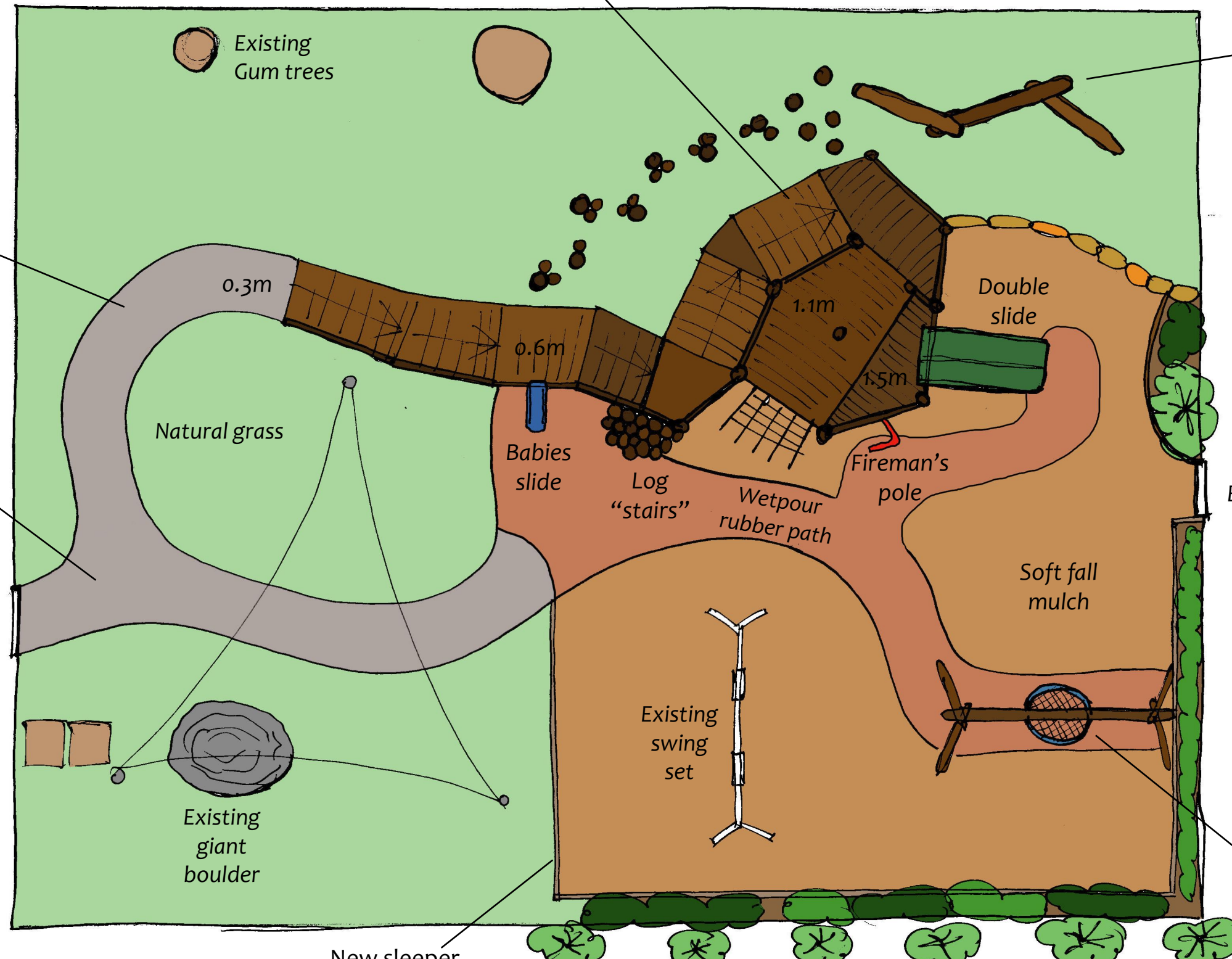
Concrete
pathway

Entry gate



1:100
at A3

NOT FOR CONSTRUCTION

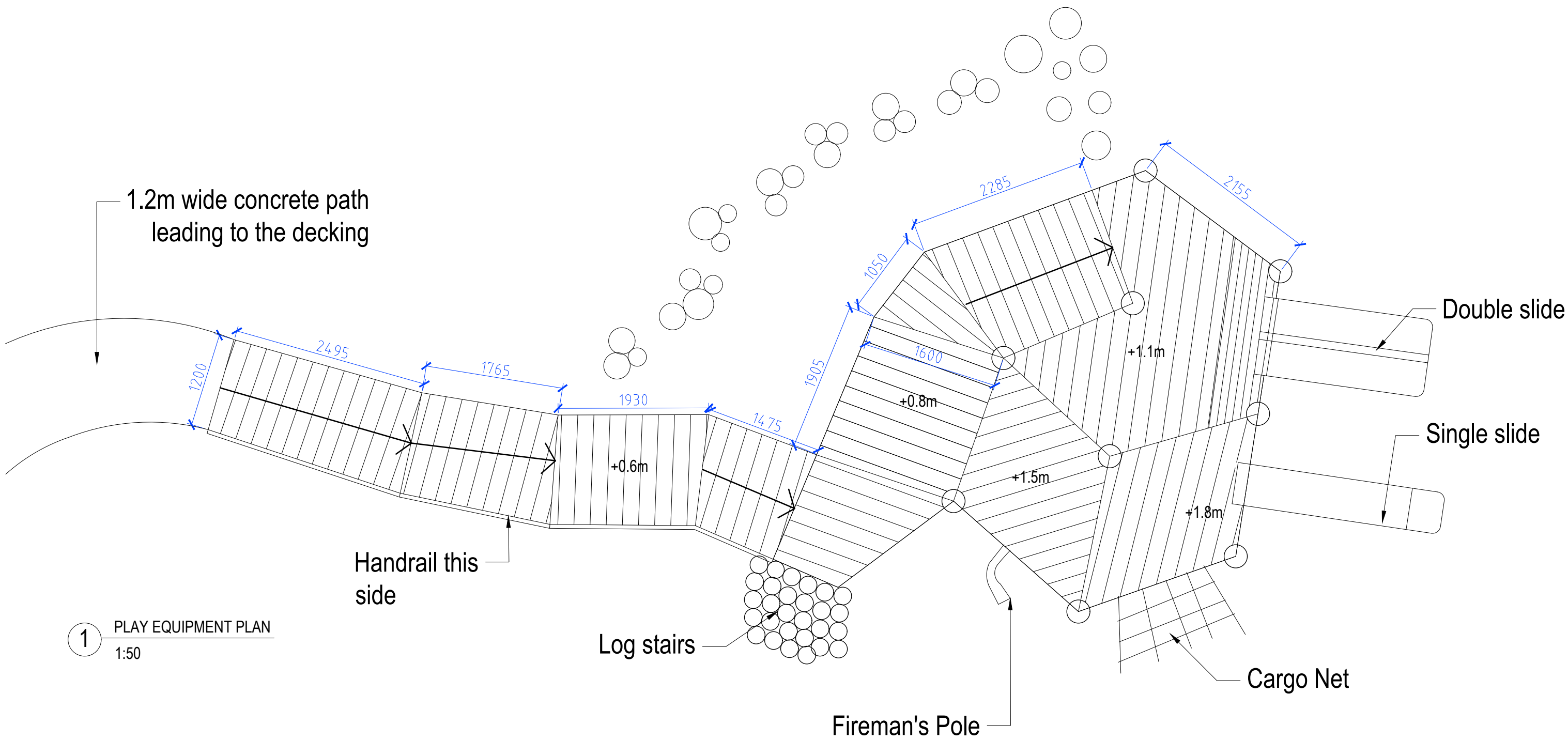


Entry gate



Basket swing set
with impact rubber/
wetpour rubber
and soft fall mulch

New sleeper
retaining wall



1 PLAY EQUIPMENT PLAN
1:50



Edible Kids Gardens
1 Forest Lane, Bowral, NSW
ABN 95606307046
Stephen Webb, Landscape Architect
Phone 0401 534 476

Project Name:
Playspace Upgrade in Thredbo

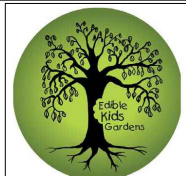
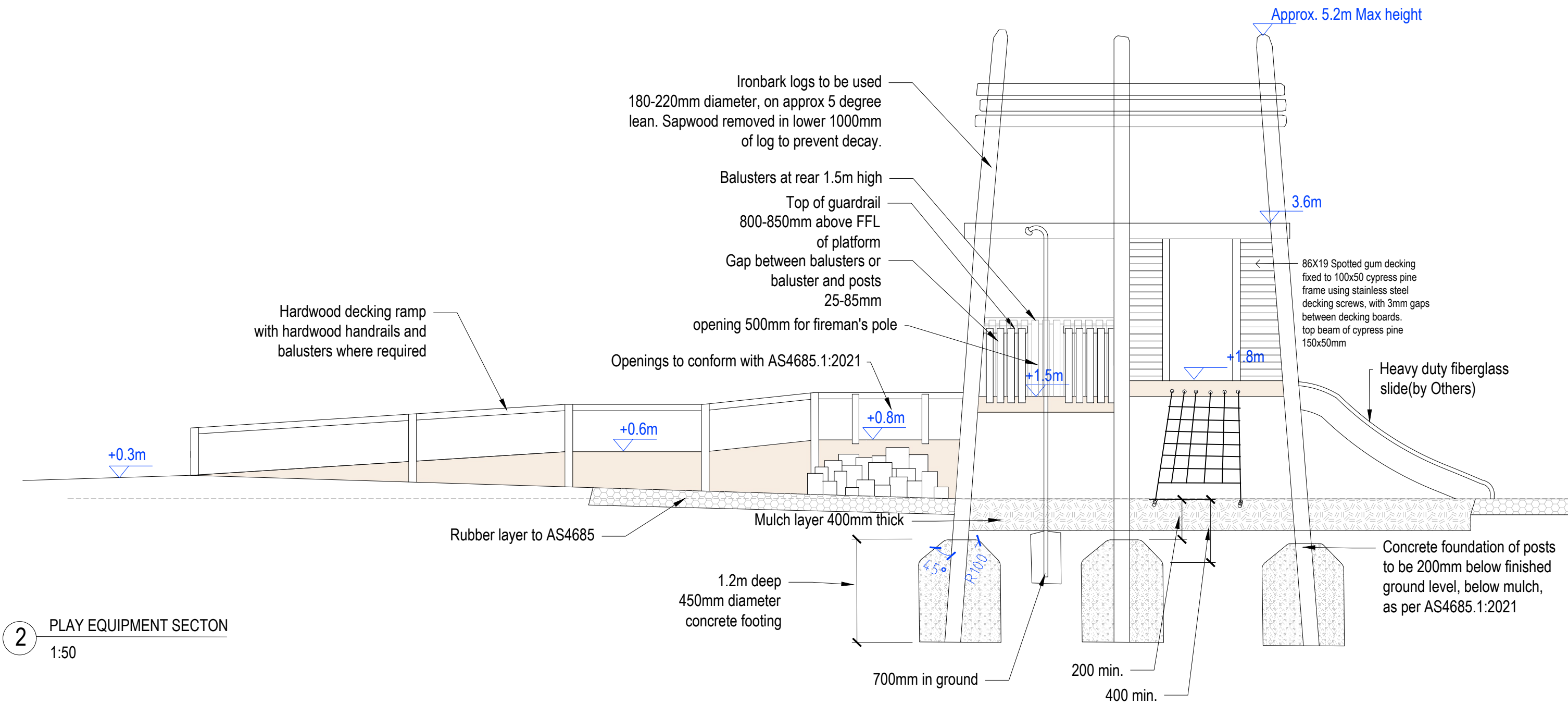
Drawing Title: Accessible Play Tower Documentation

Date: Jan 2025

Version: 3

Scale: 1:50

Sheet No: 1 of 3



Edible Kids Gardens
1 Forest Lane, Bowral, NSW
ABN 95606307046
Stephen Webb, Landscape Architect
Phone 0401 534 476

Project Name:
Playspace Upgrade in Thredbo

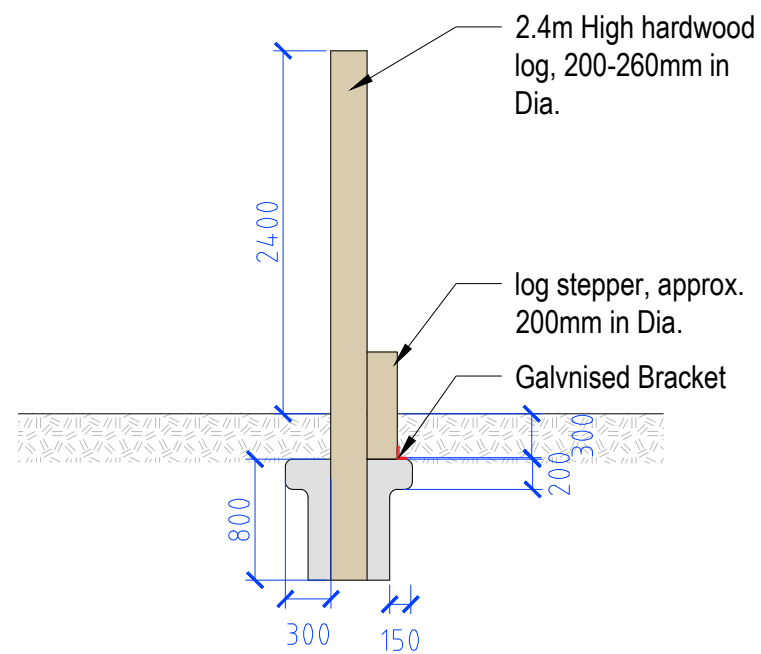
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Date: Jan 2025

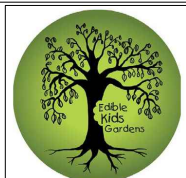
Version: 3

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Sheet No: 2 of 3



1 LOG SLALOM DETAIL
1:50



Edible Kids Gardens
1 Forest Lane, Bowral, NSW
ABN 95606307046
Stephen Webb, Landscape Architect
Phone 0401 534 476

Project Name:
Drawing detail - log slalom

Drawing Title: Detail

Version: 3

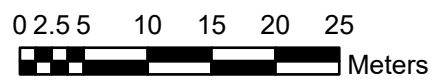
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Date: Jan. 2025

Sheet No: 3 of 3



Scale: 1:592

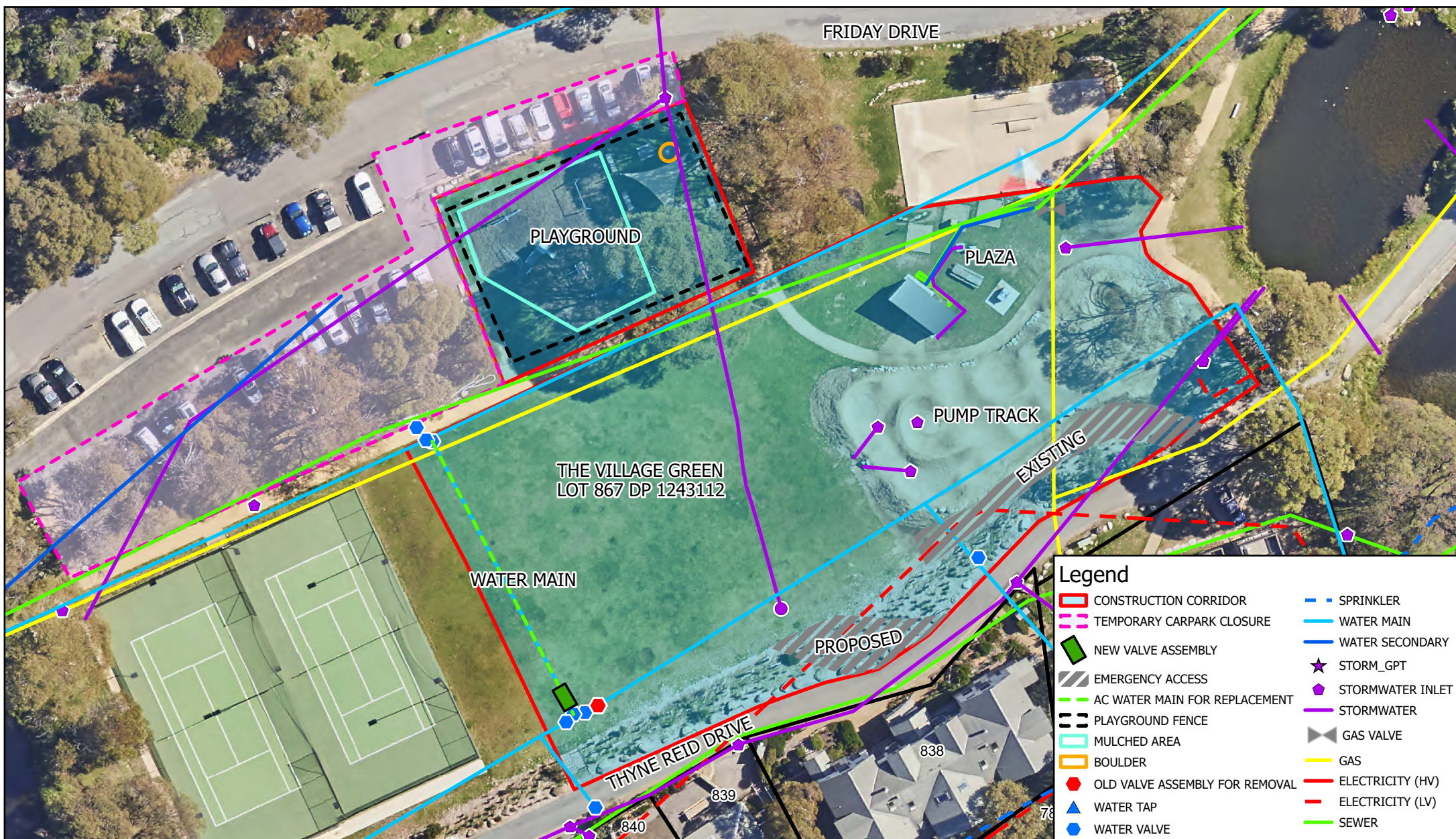


Map Projection: Universal Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55



Site Plan Project: DA 6877 MOD 2

Revision: B
Date: 18/07/2024
Produced By: JB



Scale: 1:592

0 2.5 5 10 15 20 25
Meters

Map Projection: Universal Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55



Services Plan

Project: DA 6877 MOD 2

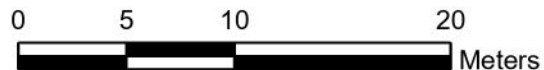
Revision: B

Date: 18/07/2024

Produced By: JB



Scale: 1:350



Map Projection: Universal Transverse Mercator
Horizontal Datum: GDA 2020
Grid: GDA 2020 MGA Zone 55



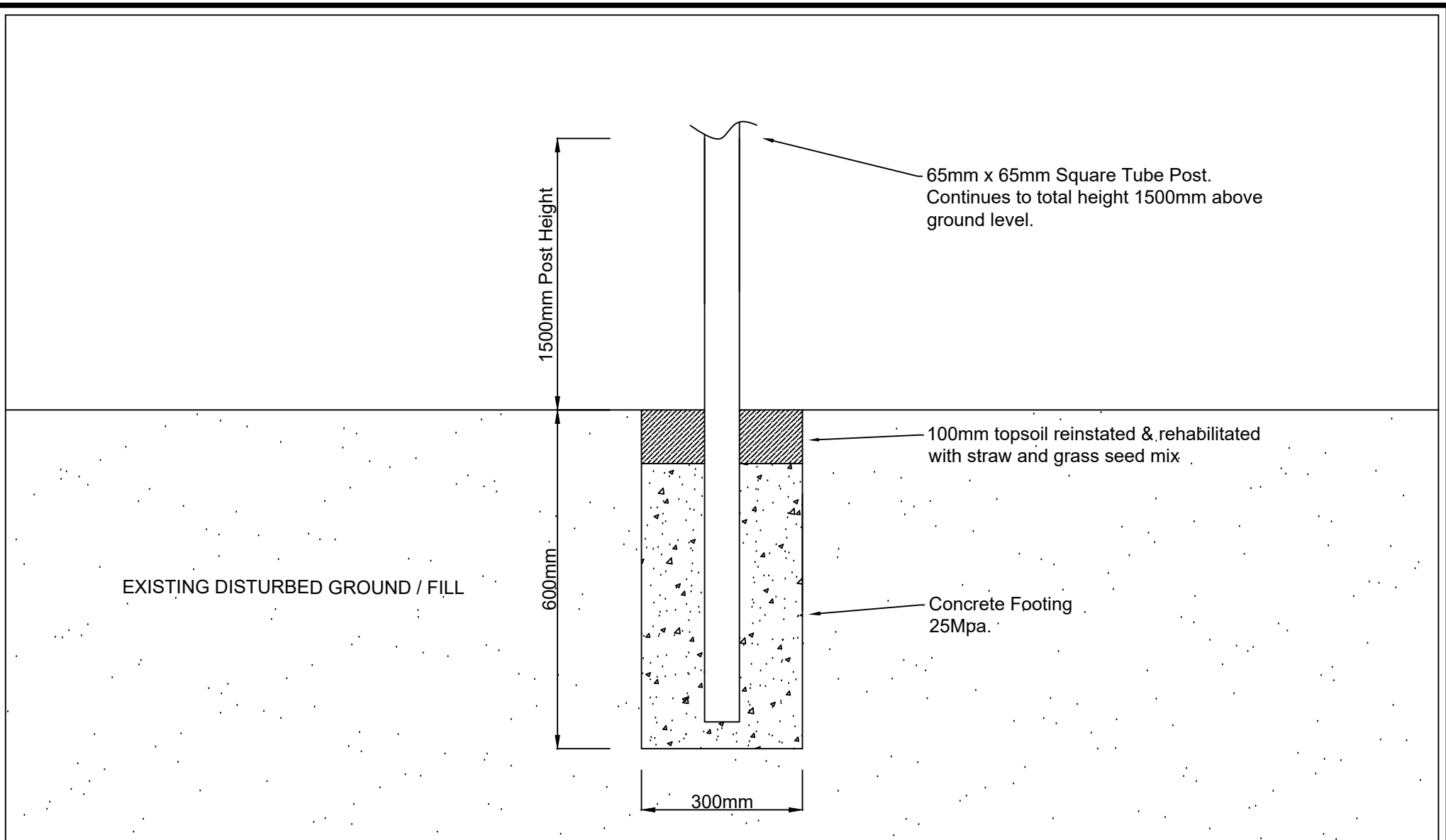
Site Demolition Plan

Project: Thredbo Playground Upgrade

Revision: 0

Date: 30/06/2024

Produced By: ZM



NOTES

1. Height, Width and Depth of footing may vary to suit pit location, ground level and slope. Fence Posts will be founded in 25MPa concrete at approximately 2400mm centers to mirror fence panel lengths.
2. 65mm x 65mm Black powder coated steel square posts will support 1500mm x 2400mm flat top tubular fence as per AS1962.1 Safety barriers for swimming pools.

DRAWING

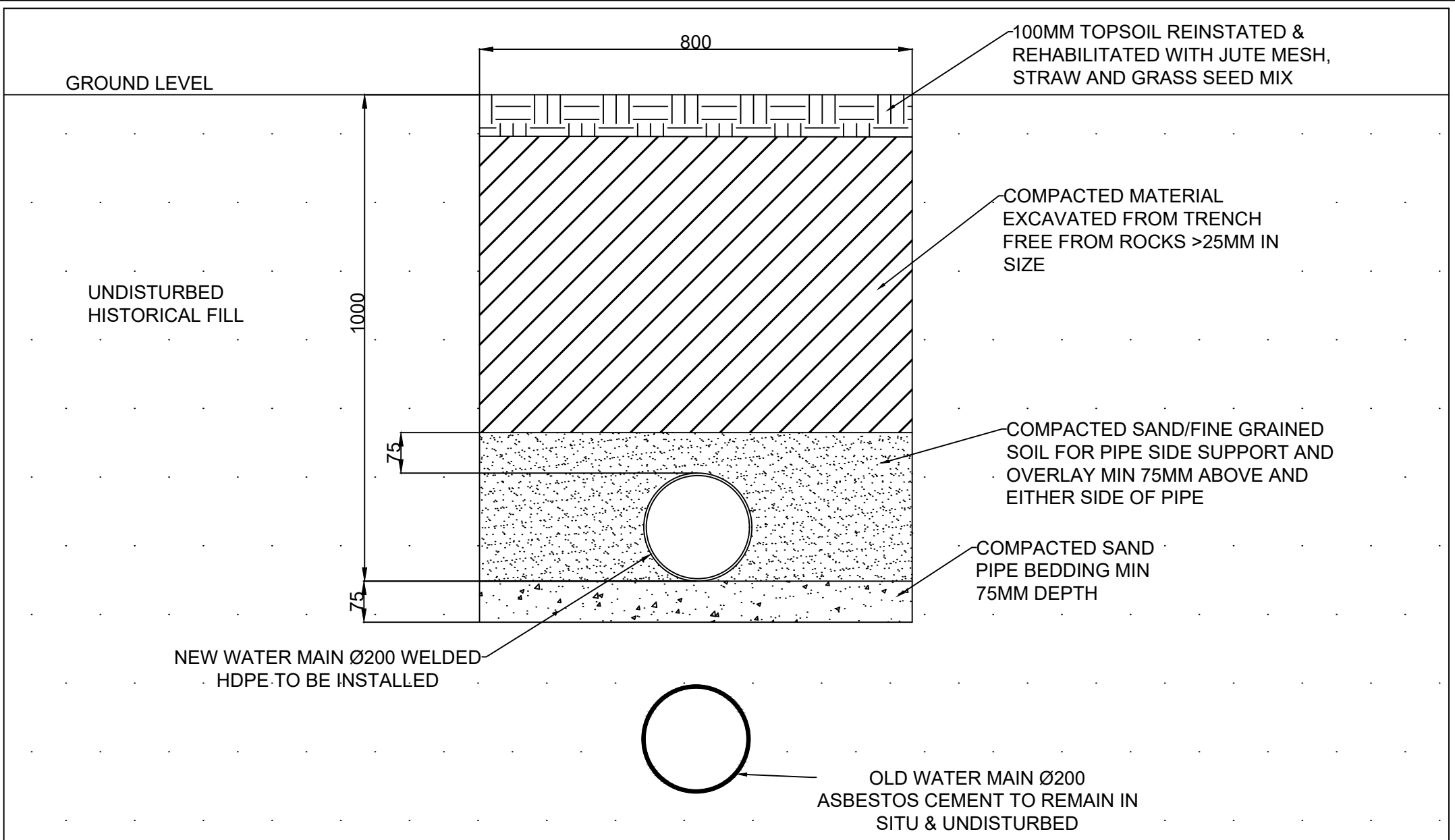
Playground Fence Footing.

PROJECT

24003ES_Playground & Pump Track Upgrades



REV	DATE	DESCRIPTION
0	16/01/25	Original for DA
DESIGNED BY Zac Mckenzie		CHECKED BY Kyra O'Sullivan
SCALE 1:10		FILE NAME 24003ES Playground Fence Footings.dwg
SHEET 1/1		



NOTES

1. Backfill and pipe bedding material, compaction and depth will meet AS/NZS 3500.1 Plumbing and Drainage - Water Services
2. Old AC Pipe will remain in situ and undisturbed underneath the new water main installation directly above.

DRAWING

Water Main Replacement Trench Cross Section

PROJECT

DA6877 MOD 2



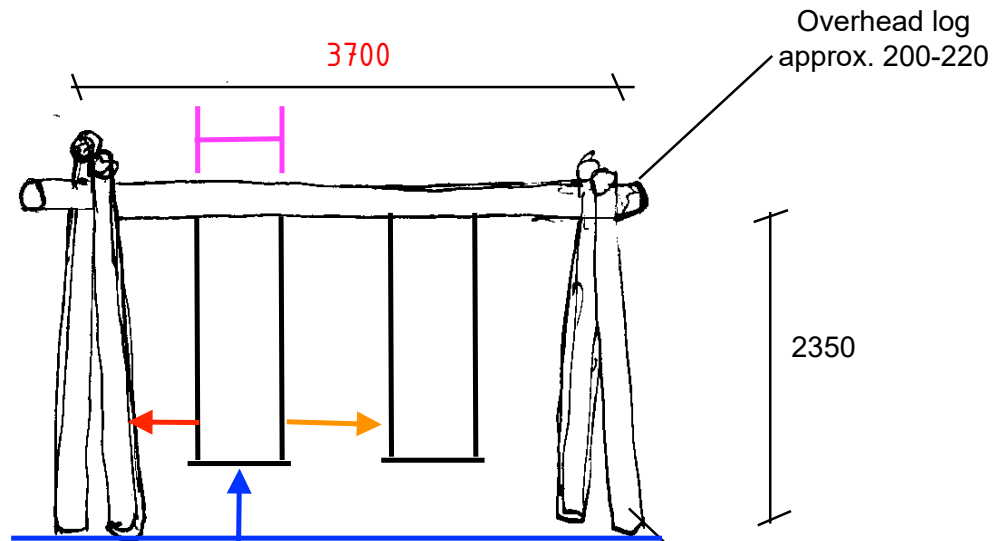
REV	DATE	DESCRIPTION
0	12/07/24	Original for DA
DESIGNED BY K. O'Sullivan		CHECKED BY E. Diver
SCALE NTS		FILE NAME DA6877 MOD 2 Water Main
SHEET 1/1		Cross Section.dwg

A-Frame Log Swing Set

Nagambie
Preschool

SIDE VIEW

FOOTING SCHEDULE
BP.1 - Ø 450
1500mm DEEP
25 MPa CONCRETE



Minimum fallzone required
for rubber surfacing is
3440mm and loose-fill
3940mm

Swing FHOF
1375mm

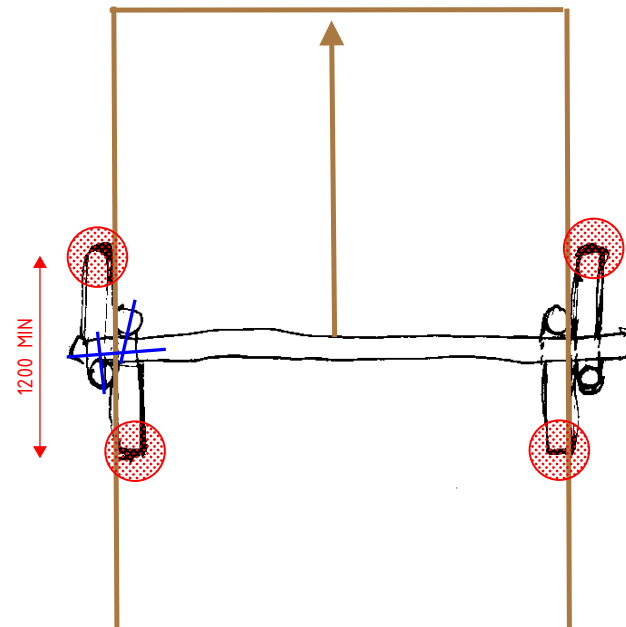
Minimum swing seat
install height of
400mm

Minimum swing seat
side clearance
590mm for single
user seats

Minimum swing
separation of
690mm

Minimum distance
between suspension
members 498mm

PLAN VIEW



Erwin Structural Engineering

DRAWING HAS BEEN REVIEWED IN
ACCORDANCE WITH STRUCTURAL
DOCUMENTATION.
REVIEW DOES NOT INCLUDE DIMENSIONS.

A ☐ APPROVED
B ☒ APPROVED WITH MARKED UP
CHANGES/COMMENTS
C ☐ REJECTED, RE-SUBMISSION REQUIRED

PROJECT No **ESE193**

DATE: **04.08.22**

REVIEWER: **G.S.**

FOOTINGS TO BE FOUNDED INTO
NATURAL SOIL WITH MINIMUM 100kPa
BEARING CAPACITY



Erwin Structural Engineering

DRAWING HAS BEEN REVIEWED IN
ACCORDANCE WITH STRUCTURAL
DOCUMENTATION.
REVIEW DOES NOT INCLUDE DIMENSIONS.

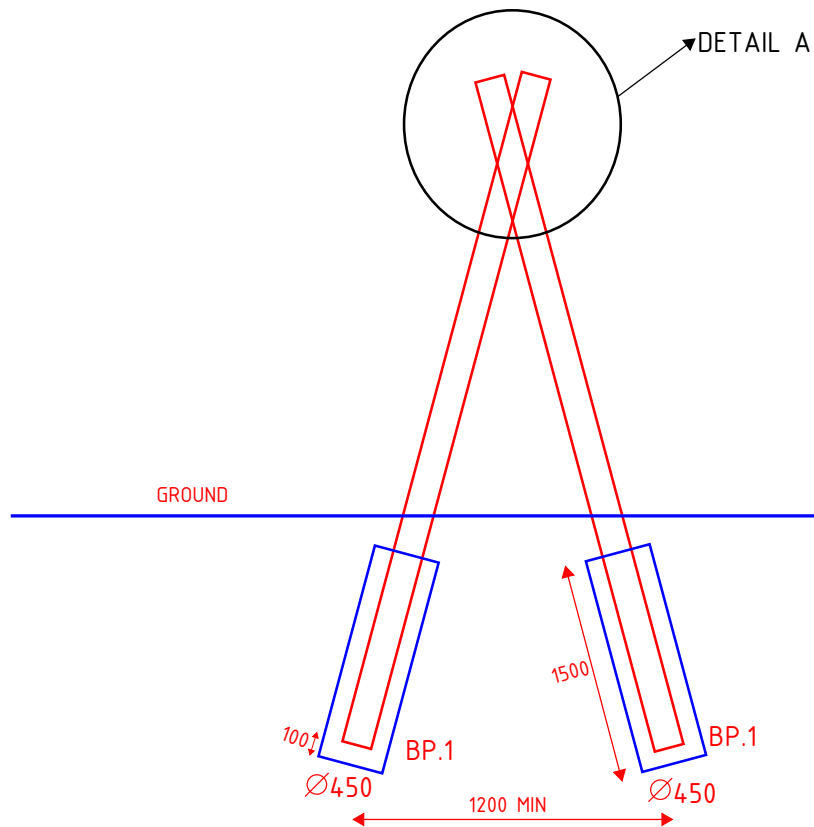
A ☐ APPROVED
B ☒ APPROVED WITH MARKED UP
CHANGES/COMMENTS
C ☐ REJECTED, RE-SUBMISSION REQUIRED

PROJECT No ESE193

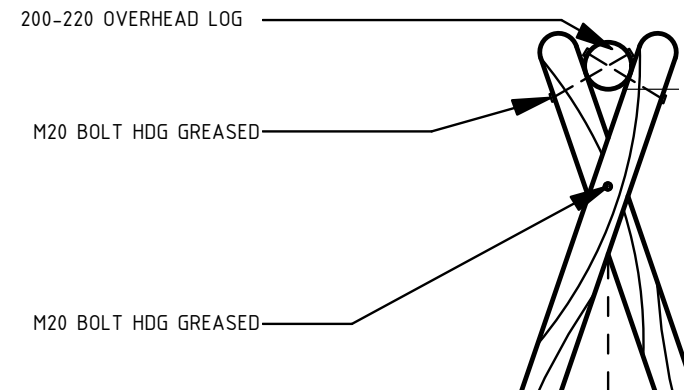
DATE: 04.08.22

REVIEWER: G.S.

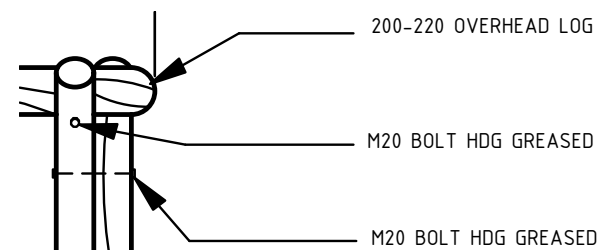
FOOTINGS TO BE FOUNDED INTO
NATURAL SOIL WITH MINIMUM 100kPa
BEARING CAPACITY



SIDE VIEW



DETAIL A



VIEW 1

Form 4 – Minimal Impact Certification

DA Number: _____

This form may be used where minor construction works which present minimal or no geotechnical impact on the site or related land are proposed to be erected within the “G” line area of the geotechnical maps.

A geotechnical engineer or engineering geologist must inspect the site and/or review the proposed development documentation to determine if the proposed development requires a geotechnical report to be prepared to accompany the development application. Where the geotechnical engineer determines that such a report is not required then they must complete this form and attach design recommendations where required. A copy of Form 4 with design recommendation, if required, must be submitted with the development application.

Please contact the Alpine Resorts Team in Jindabyne for further information - phone 02 6456 1733.

To complete this form, please place a cross in the appropriate boxes ☐ and complete all sections.

1. Declaration made by geotechnical engineer or engineering geologist in relation to a nil or minimal geotechnical impact assessment and site classification

I,
 Mr ☒ Ms ☐ Mrs ☐ Dr ☐ Other

First Name	Family Name
Mark	Bartel

OF
 Company/organisation

certify that I am a geotechnical engineer /engineering geologist as defined by the “Policy” and I have inspected the site and reviewed the proposed development known as

As a result of my site inspection and review of the following documentation

(List of documentation reviewed)

Concept Plan #4 – Nature Play Space, Thredbo Village Playground, undated, unreferenced.
Accessible Play Tower Documentation, by Edible Kids Gardens, Version 3, January 2025, 3 sheets
Nature Play Playground Design, Concept Design by Edible Kids Gardens, June 2024
Site Plan and Services Plan by Kosciuszko Thredbo Pty Ltd, DA 6877 MOD 2, Rev B, dated 18/07/2024
Site Demolition Plan by Kosciuszko Thredbo Pty Ltd, Thredbo Playground Upgrade, Rev 0, dated 30/6/2024
Playground Fencing by Kosciuszko Thredbo Pty Ltd, 24003ES, Rev 0, dated 16/01/25
Water Main Replacement Trench Cross Section by Kosciuszko Thredbo Pty Ltd, DA 6877 MOD 2, Rev 0, dated 12/07/2024

I have determined that;

- ☒ the current load-bearing capacity of the existing building will not be exceeded or adversely impacted by the proposed development, and
- ☒ the proposed works are of such a minor nature that the requirement for geotechnical advice in the form of a geotechnical report, prepared in accordance with the "Policy", is considered unnecessary for the adequate and safe design of the structural elements to be incorporated into the new works, and
- ☒ in accordance with AS 2870.1 Residential Slabs and Footings, the site is to be classified as a type
(insert classification type)

Class P

- ☒ I have attached design recommendations to be incorporated in the structural design in accordance with this site classification.

I am aware that this declaration shall be used by the Department as an essential component in granting development consent for a structure to be erected within the "G" line area (as identified on the geotechnical maps) of Kosciuszko Alpine Resorts without requiring the submission of a geotechnical report in support of the development application.

2. Signatures

Signature

Mark Bartel

Chartered professional status

CPEng 35641 NER (Civil)

Name

Mark Bartel

Date

13 February 2025

3. Contact details

Alpine Resorts Team

Shop 5A, 19 Snowy River Avenue

P O Box 36, JINDABYNE NSW 2627

Telephone: 02 6456 1733

Facsimile: 02 6456 1736

Email: alpineresorts@planning.nsw.gov.au