



Tree Planting - each symbol represents a group of 20 trees, 15 years after planting



Proposed cabin sites (10m x 10m) with proposed RL CD = Drive in and CW = Walk in



Reforestation radius from cabins (50m)



Proposed chalet sites (25m x 25m) C= site is building platform CS= max 350m² site coverage



Existing building platforms



Reforestation radius from cabins (50m)

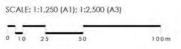


Reforestation radius from chalets (100m)









APPROVED PLAN: RM181638

KEY: Monday, 4 November 2019



Tree Planting - each symbol represents a group of 20 trees, 15 years after planting



Tree planting groups within cabin and chalet radius



Tree planting groups between cabin and chalet radius and below 650m contour



Tree planting groups above 650m contour



Tree planting for visual mitigation purposes



Proposed chalet sites (25m x 25m) with indicative dwelling



Proposed cabin sites (10m x 10m) with indicative dwelling



Existing building platforms with indicative dwelling



Proposed reforestation nursery and food production area



Proposed roads, parking areas, trails and indicative paths to CW cabin sites



Site boundary







SCALE: 1:1,250 (A1); 1:2,500 (A3)

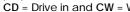
KEY: Monday, 4 November 2019



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Proposed cabin sites (10m x 10m) with proposed RL CD = Drive in and CW = Walk in





Reforestation radius from cabins (50m)



Proposed chalet sites (25m x 25m) C= site is building platform CS= max 350m² site coverage



Existing building platforms



Reforestation radius from cabins (50m)

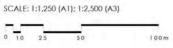


Reforestation radius from chalets (100m)









RM181638

KEY: Monday, 4 November 2019



Tree Planting - each symbol represents a group of 20 trees, 15 years after planting



Tree planting groups within cabin and



Tree planting groups between cabin and chalet radius and below 650m contour



Tree planting groups above 650m contour



Tree planting for visual mitigation purposes



Existing building platforms with indicative



Consented planting



Proposed roads and trails



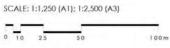
Site boundary















Proposed chalet sites (25m x 25m) C= site is building platform CS= max 350m² site coverage

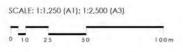


Reforestation radius from chalets (100m)









KEY: Monday, 4 November 2019



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Tree planting groups within cabin and chalet radius



Tree planting groups between cabin and chalet radius and below 650m contour



Tree planting groups above 650m



Tree planting for visual mitigation



Proposed chalet sites (25m x 25m) with indicative dwelling



Consented planting



Proposed roads, parking areas, trails and indicative paths to CW cabin sites



Site boundary













Proposed chalet sites (25m x 25m) C= site is building platform CS= max 350m² site coverage



Existing building platform

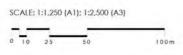


Reforestation radius from chalets (100m)









KEY: Monday, 4 November 2019



Tree planting groups within cabin and chalet radius



Proposed cabin sites (10m x 10m) and chalet sites (25 x 25) with indicative dwelling and proposed RL



Proposed paths to sites



Bin collection areas



Screening vegetation for parking areas (refer to indigenous vegetation planting list)









Forest Settlement Typical Services Plan 26 June 2019 - Reference : PA18210 - IS20



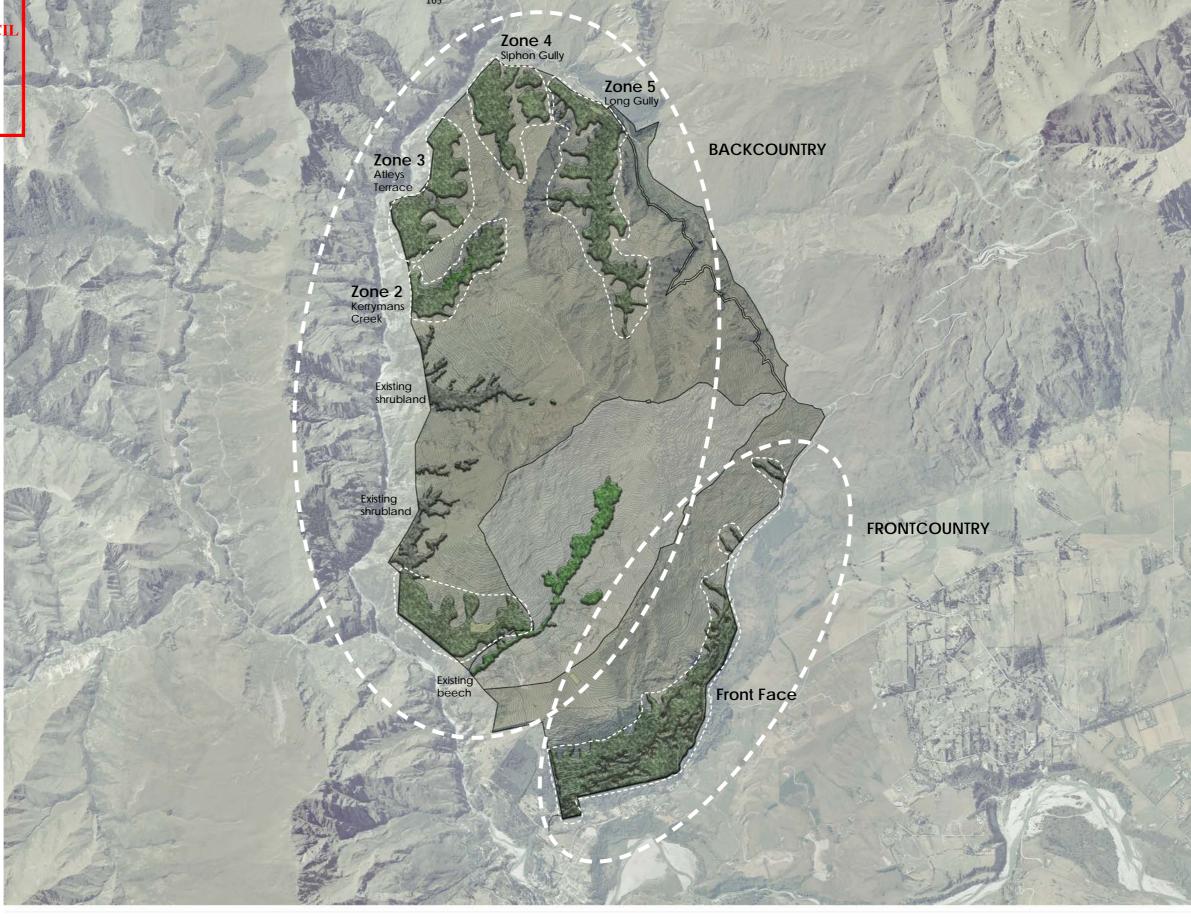
Monday, 4 November 2019 Reforestation Strategy

Total reforestation area 400 ha

Backcountry tree planting 79,800 stems

Front Face tree planting 64,080 stems

Total tree planting 143,880 stems







APPROVED PLAN: RM181638

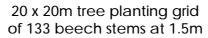
Monday, 4 November 2019
Backcountry Tree Sin

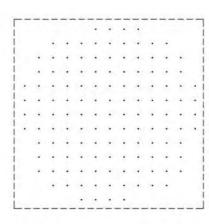
Planting Strategy

(Fuscospora cliffortioides)

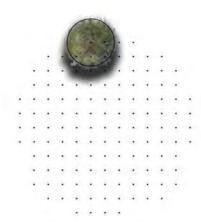
Tree planting clusters







Single beech tree within clusters of 133 beech trees





Potential area of beech cluster 15 years after tree planting



Random scale and canopy area







Scale: 1:500 @ A1, 1:1000 @ A3

Backcountry Tree Planting Strategy 26 June 2019 - Reference : PA18210 - IS20





60 beech clusters planted per year 133 stems per cluster 266 stems per 1ha quadrant 7,980 trees planted



Backcountry Tree Planting - Year 2

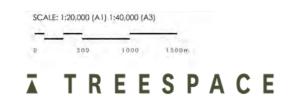
120 beech clusters planted 133 stems per cluster 266 stems per 1ha quadrant 15.960 trees planted



Backcountry Tree Planting - Year 10

600 beech clusters planted 133 stems per cluster 266 stems per 1ha quadrant 79.800 trees planted





TREESPACE - MT DEWAR

Backcountry Tree Planting Strategy 26 June 2019 - Reference : PA18210 - IS20



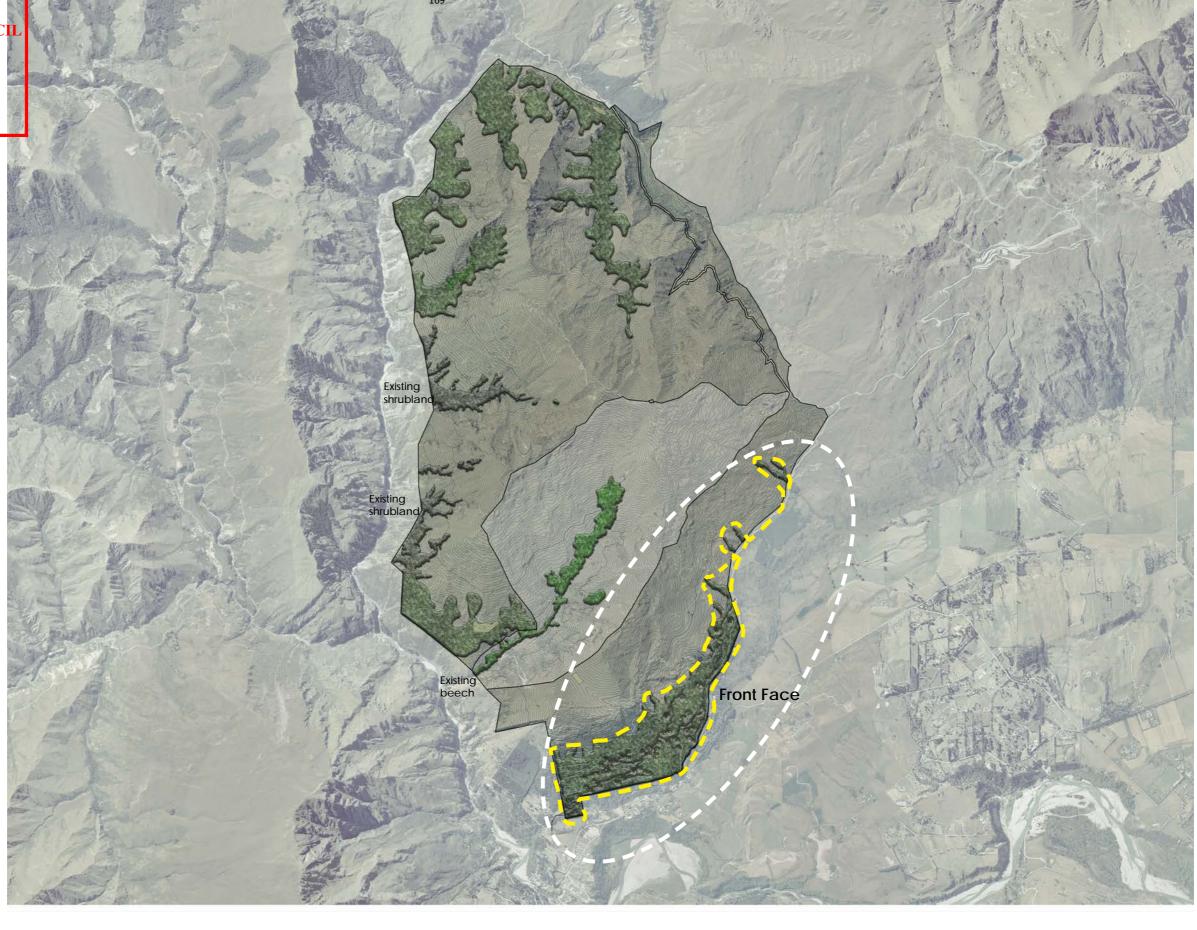
Monday, 4 November 2019
Front Face Reforestation Strategy

Total reforestation area

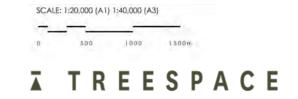
132 ha

Total Front Face planting

64,080 stems







APPROVED PLAN: RM181638

Monday, 4 November 2019
Front Face Tree Planting

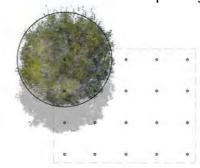
Front Face Tree Planting
Strategy

Tree planting clusters

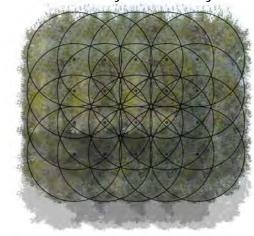
Single beech tree (Fuscospora cliffortioides)

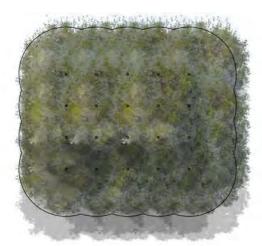


7.5 X 6m tree planting grid of 20 beech stems at 1.5m spacing

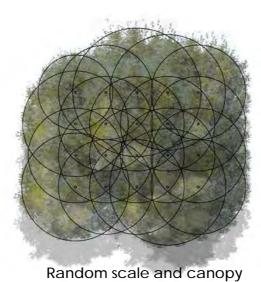


Clusters of 20 beech trees after 15 years maturity





Potential area of beech cluster 15 years after tree planting



area

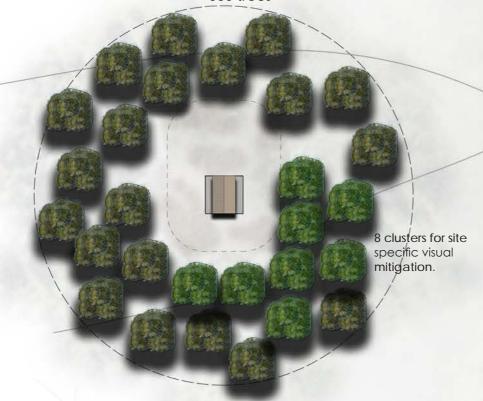
Proposed beech clusters

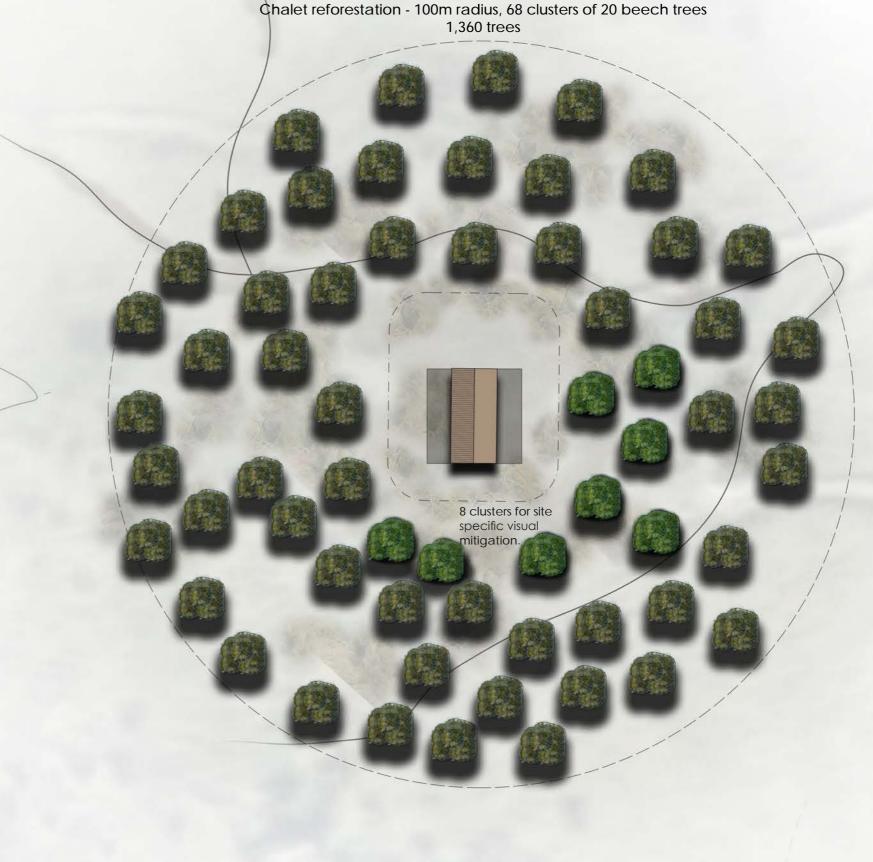




Settlement reforestation radius density

Cabin tree planting - 50 m radius, 28 clusters of 20 beech trees 560 trees





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Reforestation zones (light green for specific mitigation)

South Face clusters 960 667 East Face clusters Total plant clusters 1,627 20 stems Plants per cluster 32,540 stems Total plants

Total South Face area 26ha Total East Face area 27ha 53ha Total area



In-between reforestation zones below 650m

South Face clusters 471 East Face clusters 396 Total in-between plant clusters 867

Plants per cluster 20 stems Total plants 17,340 stems 23ha Total South Face area 21ha Total East Face area

Total area 44ha



In-between reforestation zones above 650m

South Face clusters 416 East Face clusters 294 710 Total plant clusters

Plants per cluster 20 stems Total plants 14,200 stems

Total South Face area 19ha Total East Face area 16ha 35ha Total area

Total Front Face planting

Total plant clusters 3,204 Total South Face clusters 1,847 Total East Face clusters 1,357 Plants per cluster 20 stems Total plants 64,080 stems

68ha Total South Face area Total East Face area 64ha Total area 132ha

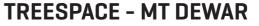






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Two additional planting groups are proposed in gullies to the north.



Front Face Planting Strategy
13 August 2019 - Reference: PA18210 - IS22

Monday, 4 November 2019
DESIGN PRINCIPLES

BUILDING PLATFORMS:

Building platform are oriented with contours;

Building platforms utilise natural benches in the landscape and avoid ridges and steep slopes;

Screening of clothes drying, rubbish storage and services to be within title, of permanent constriction or screened by tree planting

Design guidelines direct the scale, form and external appearance of future buildings.

ACCESS / PARKING:

Roads utilise existing farm tracks where feasible;

Maximum gradient of driveways 1:5 (20%);

Dedicated vehicle access to cabin;

Exterior parking to be located within the building platform;

Exterior parking not within the building platform to be screened from public views by dense vegetation, existing topography or located on the uphill slope so that it is screened by the building.

GREEN FRAMEWORK:

All tree planting to emphasise the landscape's natural patterns and processes;

Tree planting to aid in integrating buildings, roads and parking areas into the landscape and to provide visual screening;

Each building platform will have a 10m forest setback to the south, east and west sides;

A 20m solar access setback will be to the north of the building platform to allow for solar gain;

Tree planting to provide shade and shelter for building platforms;

Tree planting to allow filtered views out to wider landscape above the trees;

The trees will form the primary amenity and view from the building;

The cabin reforestation zone will be integrated naturally with the general mountain reforestation areas.





Scale: 1:250 @ A1, 1:500 @ A3

Drive-in Cabin Development Strategy 26 June 2019 - Reference : PA18210 - IS20

Monday, 4 November 2019
DESIGN PRINCIPLES

BUILDING PLATFORMS:

Building platform are oriented with contours;

Building platforms utilise natural benches in the landscape and avoid ridges and steep slopes;

Screening of clothes drying, rubbish storage and services to be within title, of permanent constriction or screened by planting

Design guidelines direct the scale, form and external appearance of future buildings.

ACCESS / PARKING:

Roads utilise existing farm tracks where feasible;

Maximum gradient of driveways 1:5 (20%);

Dedicated vehicle access to chalets;

Exterior parking to be located within the building platform;

Exterior parking not within the building platform to be screened from public views by dense vegetation, existing topography or located on the uphill slope so that it is screened by the building.

GREEN FRAMEWORK:

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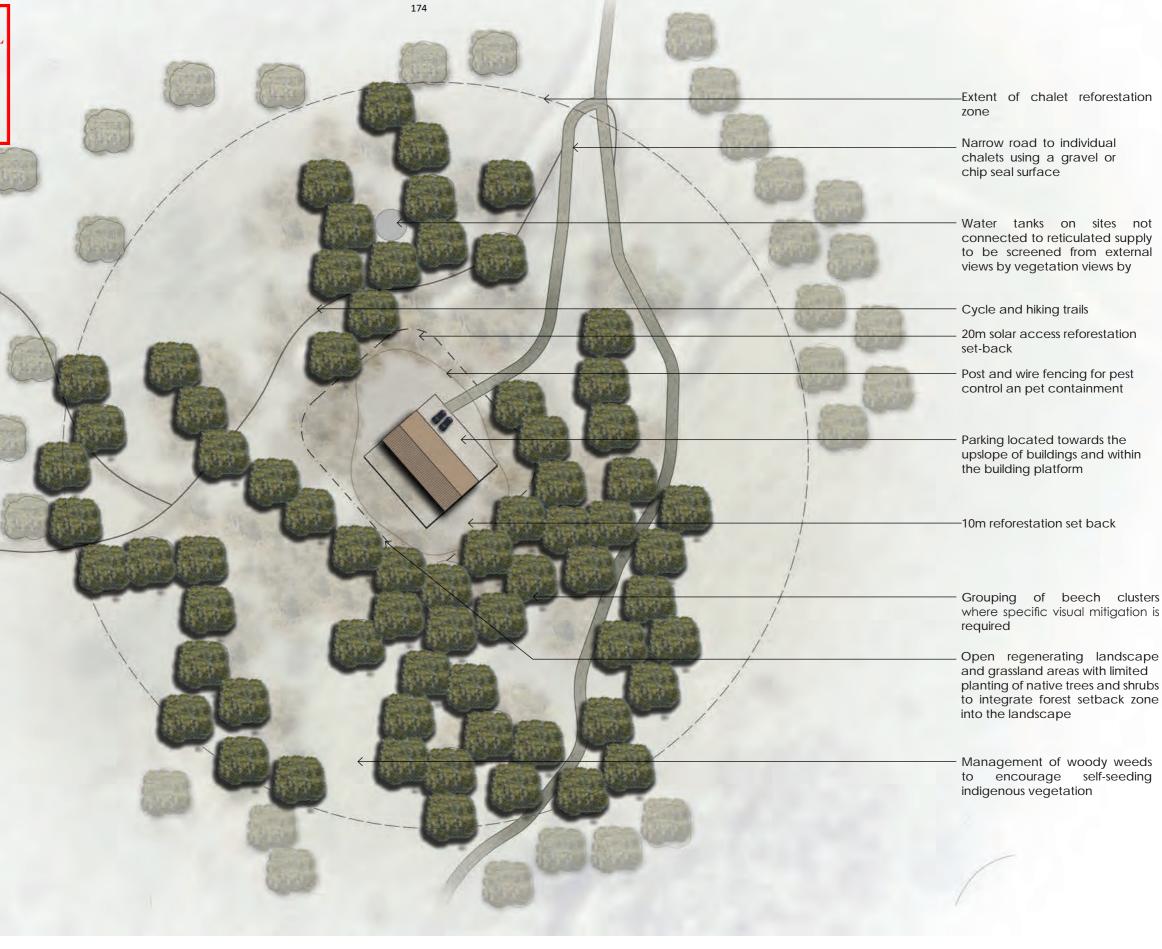
A 20m solar access setback will be to the north of the building platform to allow for solar gain;

Tree planting to provide shade and shelter for building platforms;

Tree planting to allow filtered views out to wider landscape above the trees;

The trees will form the primary amenity and view from the building;

The chalet reforestation zone will be integrated naturally with the general mountain reforestation areas.





Scale: 1:500 @ A1, 1:1000 @ A3

T T R E E S P A C E

TREESPACE - MT DEWAR

Chalet Development Strategy 26 June 2019 - Reference : PA18210 - IS20

Monday, 4 November 2019
DESIGN PRINCIPLES

BUILDING PLATFORMS:

Building platform are oriented with contours;

Building platforms utilise natural benches in the landscape and avoid ridges and steep slopes;

Screening of clothes drying, rubbish storage and services to be within title, of permanent constriction or screened by planting

Design guidelines direct the scale, form and external appearance of future buildings.

ACCESS / PARKING:

Roads utilise existing farm tracks where feasible;

Maximum gradient of driveways 1:5 (20%);

Trails to allow easy walking at maximum gradient 1:8 (12.5%);

Exterior parking to be located within the building platform;

Exterior parking not within the building platform to be screened from public views by dense vegetation, existing topography or located on the uphill slope so that it is screened by the building.

GREEN FRAMEWORK:

All planting to emphasise the landscape's natural patterns and processes;

Planting to aid in integrating buildings, roads and parking areas into the landscape and to provide visual screening;

Each building platform will have a 10m forest setback to the south, east and west sides;

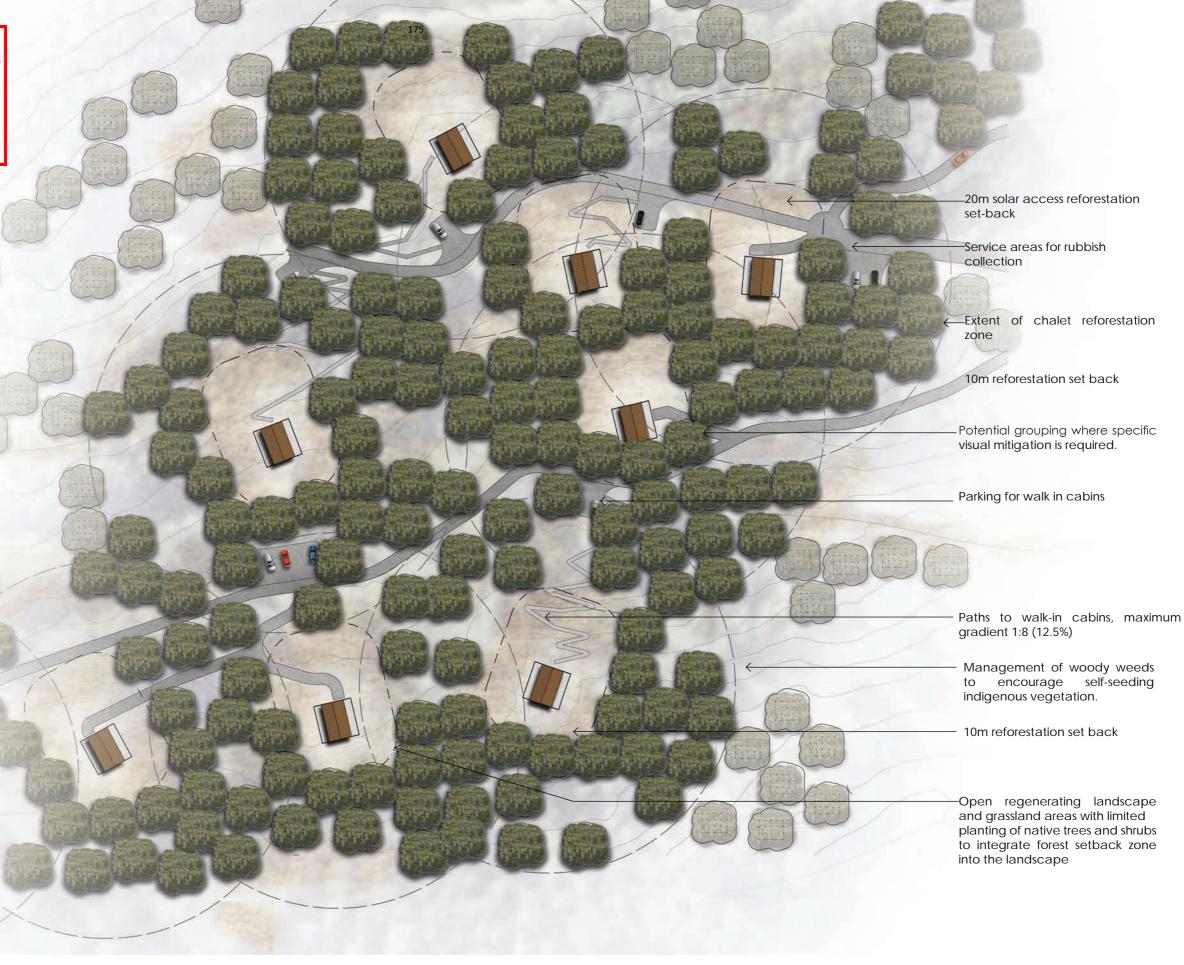
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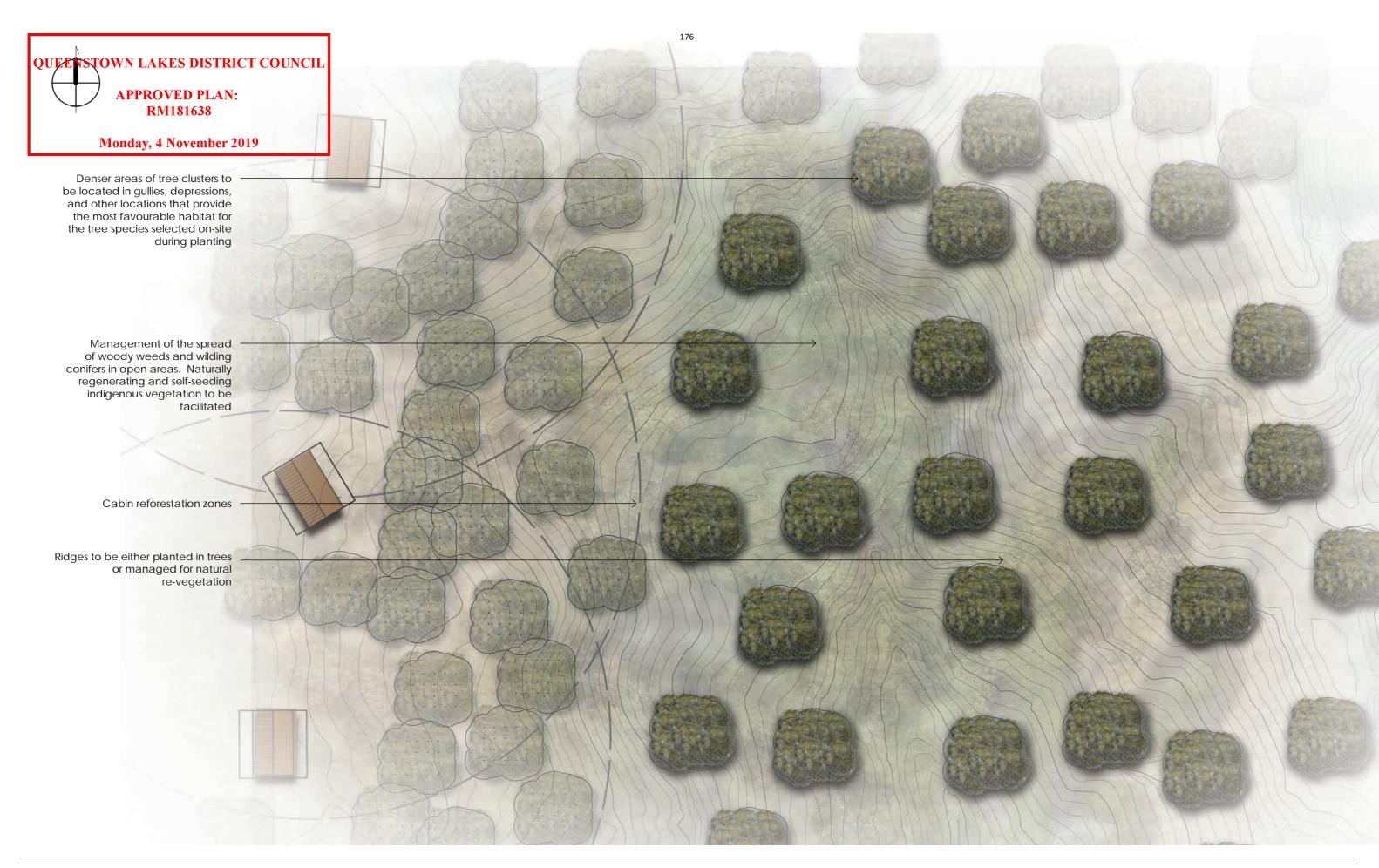




Scale: 1:500 @ A1, 1:1000 @ A3

I TREESPACE

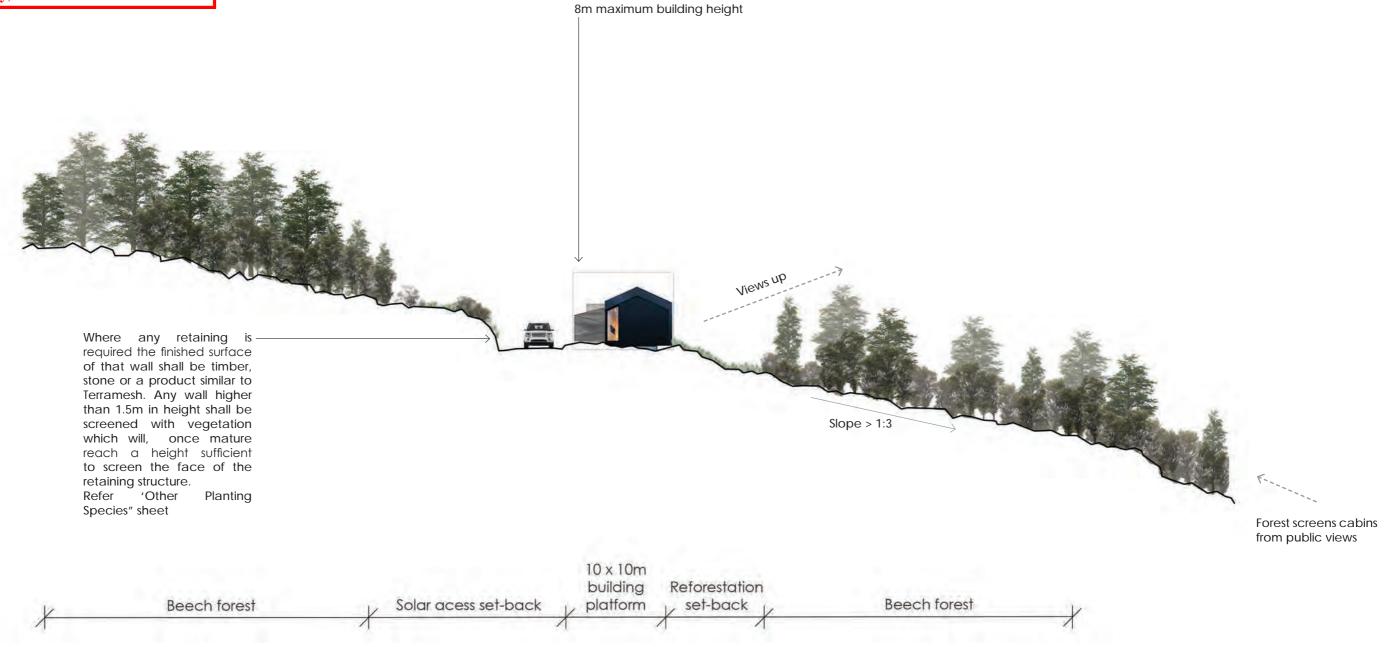
Cabin Cluster Development Strategy 26 June 2019 - Reference : PA18210 - IS20





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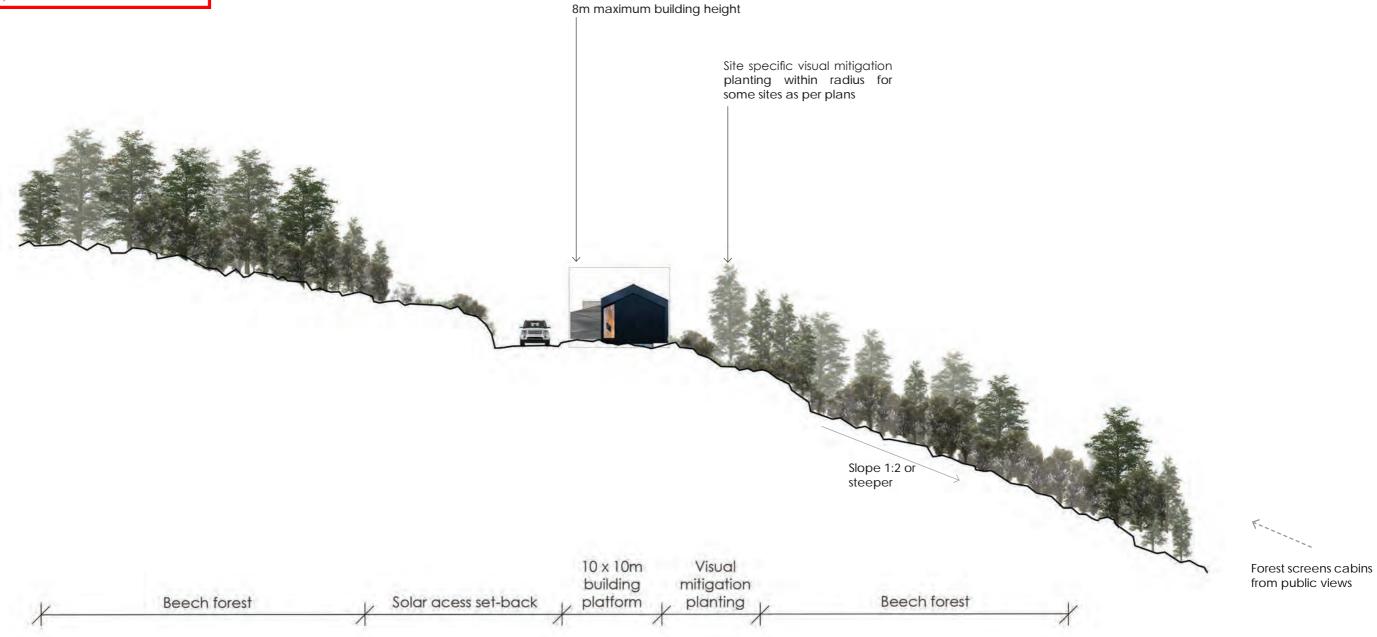
Monday, 4 November 2019





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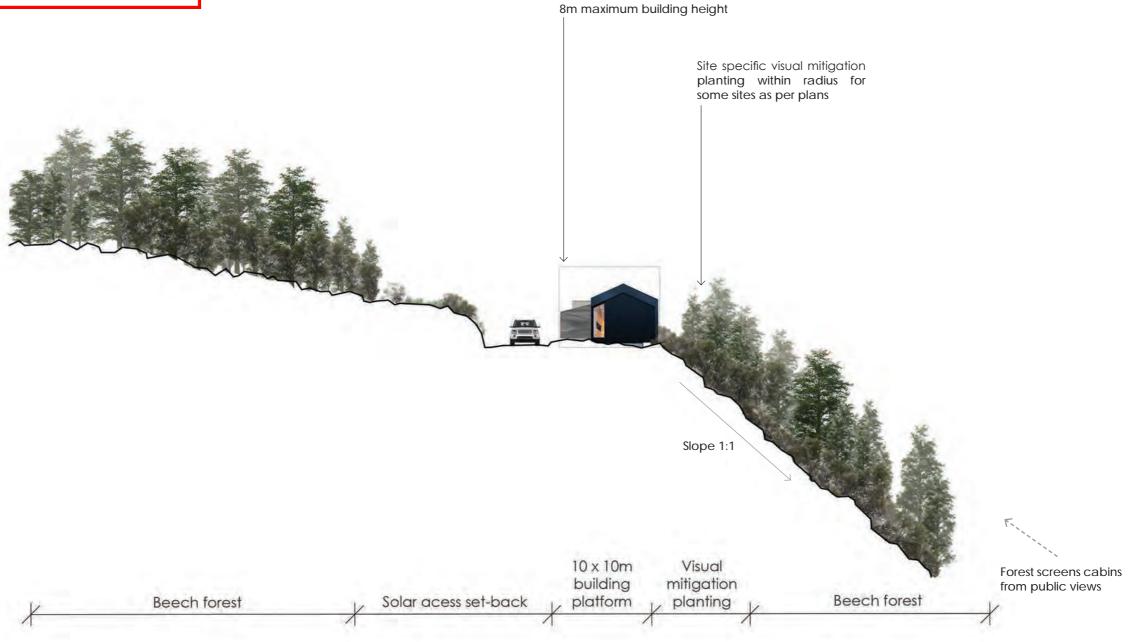
Monday, 4 November 2019



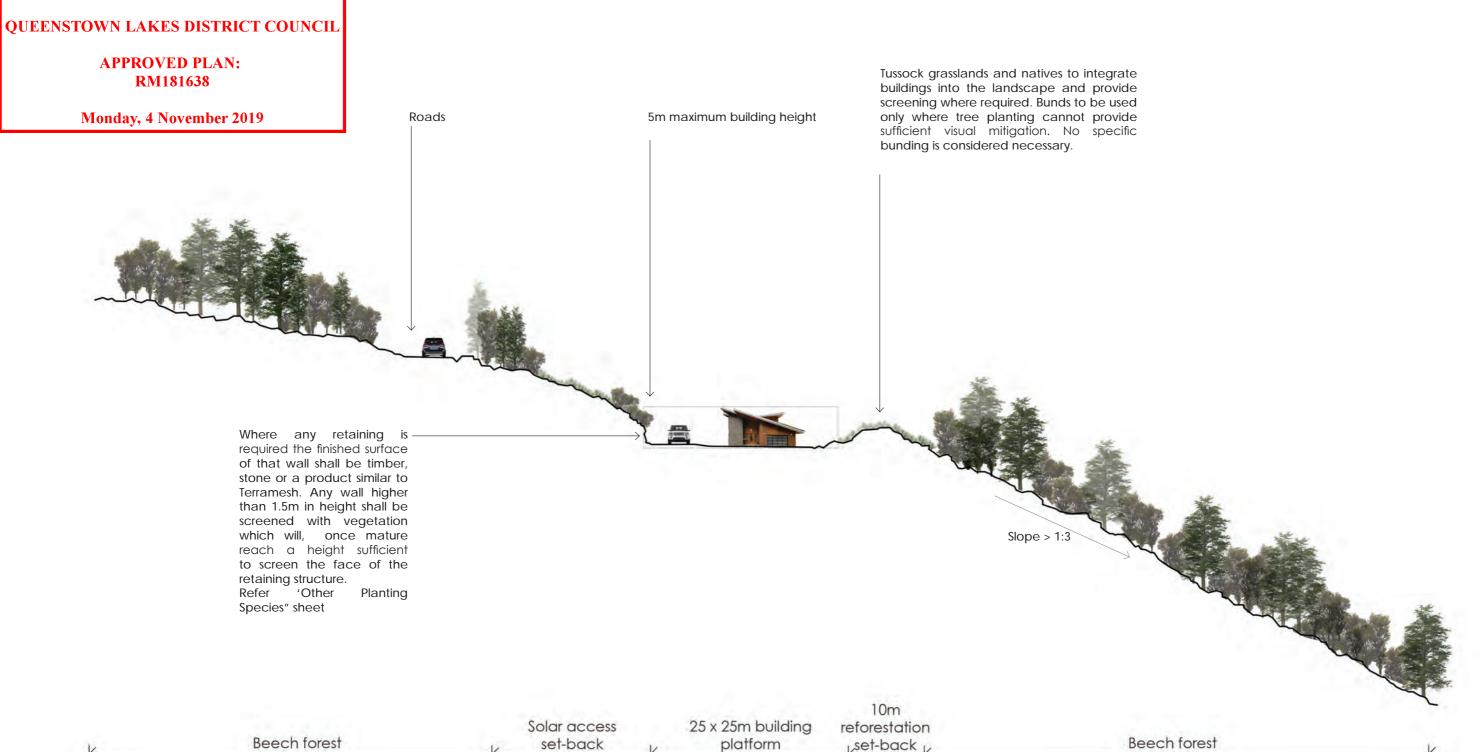


APPROVED PLAN: RM181638

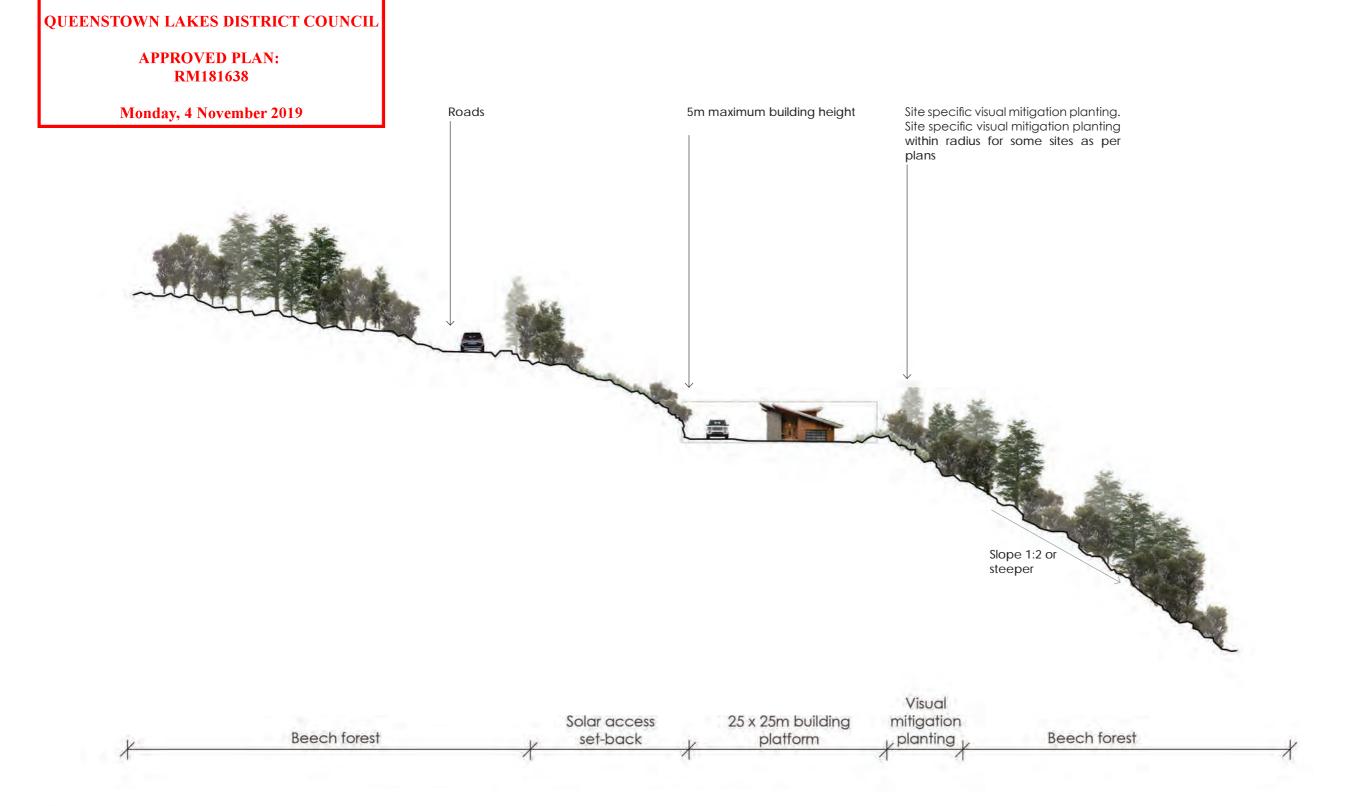
Monday, 4 November 2019







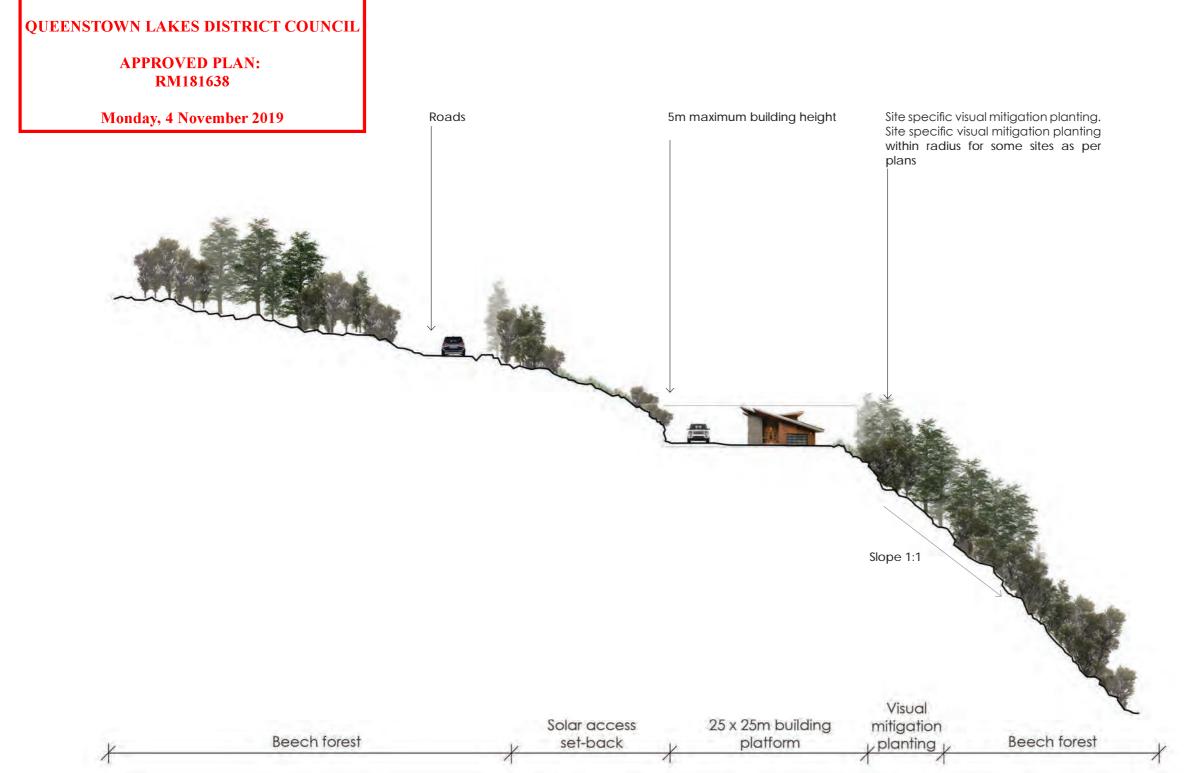




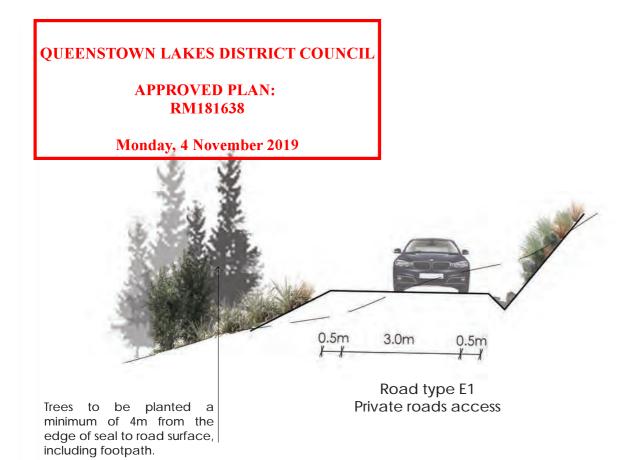


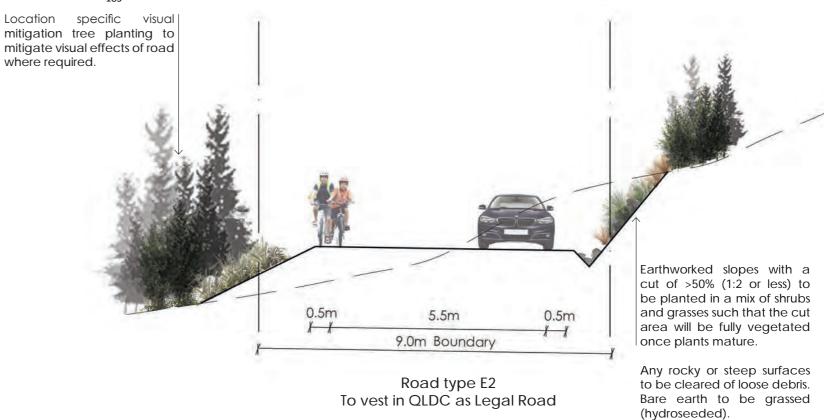
Scale: 1:250 @ A1, 1:500 @ A3

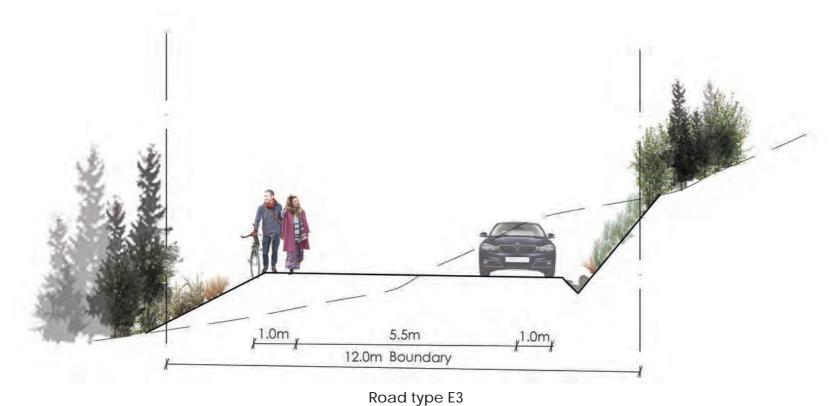
Indicative Cross Section of Chalet 26 June 2019 - Reference : PA18210 - IS20











To vest in QLDC as Legal Road

月 patch

QUEENSTOWN LAKES DISTRICT COUNCIL Landscape Design Elements APPROVED PLAN: RM181638

Materials

Monday, 4 November 2019

Gravei, chip seal parking or permeable material for road surface and parking areas

Stone walls, stacked schist stone retaining or planted mesh for retaining structures

Exterior downlights to maximum 1.2m in height.
Road safety reflectors - Dark timber

Post and wire fencing only





QUEENSTOWN LAKES DISTRICT COUNCIL Landscape Design Elements APPROVED PLAN:

RM181638

Planting

Monday, 4 November 2019

Large Trees

Mountain Beech (Fuscospora cliffortioides)

Medium Trees Manuka (Leptospermum scoparium) Kohuhu (Pittoporum tenuifolium) Large Shrubs
Mingimingi (Coprosma propinqua)
Tree Daisy (Olearia lineata)
Three Finger (Pseudopanax colenso var. terrnatus)

Small Shrubs Koromiko (Hebe salicifolia) Korokio (Corokia cotoneaster) Weeping matipo (Myrsine divaricata) Grasses and Flax
Toetoe (Cortaderia richardii)
Mountains Flax (Phormium cookianum)
Mikimiki (Carex testacea)





QUEENSTOWN LAKES DISTRICT COUNCIL Indigenous Vegetation Panting List

APPROVATO PEAIS listed below are appropriate for visual sciencing for parking, bins, etc.

	Botanical name	Common name
Mond	avisto Nievember 2019	Makoma o
Mond	Carex virgata	swamp sedge
	Coprosma lucida	Shining karamu
	Coprosma propingua	Mikimiki
	Coprosma rigida	Mikimiki
	Cordyline australis	Ti kouka
	Corokia cotoneaster	Korokio
	Cortaderia richardii	Toetoe
	Fuchsia excorticata	Tree fuchsia
	Halocarpus bidwillii	Bog pine
	Hebe cupressioides	Whipcord hebe
	Hebe salicifolia	Koromiko
	Hoheria Iyallii	Houhere
	Juncus gregiflorus	Rush
	Leptospernum scoparium	Manuka
	Metrosideros umbellata	Southern rata
	Fuscospora fusca	Red beech
	Fuscospora menziesii	Silver beech
	Fuscospora cliffortioides	Mt beech
	Phormium cookianum	Mt flax
	Phormium tenax	Harakeke
	Pittosporum eugenioides	Lemonwood
	Pittosporum tenuifolium	Kohuhu
	Plagianthus regius	Lowland ribbonwood
	Podocarpus hallii	Halls totara
	Pseudopanax "ternatus"	Mt three finger
	Pseudopanax arboreus	Five finger
	Pseudopanax colensoi	Three finger
	Pseudopanax crassifolius	Lancewood
	Pseudopanax ferox	Fierce lancewood
	Sophora microphylla	Kowhai
	Blechnum discolor	Crown ferm
	Carex virgata	Swamp sedge
	Coprosma lucida	Shining karamu
	Cordyline australis	Ti kouka
	Coriaria sarmentosa	Tutu
	Dicksonia squarosa	Tree fern
	Halocarpus bidwillii Fuchsia excorticata	Bog pine
		Tree fuchsia
	Juncus gregiflorus	Rush
	Juncus sarophorus	Rush
	Phormium tenax	Harakeke

Botanical name	Common name
Aristotelia fruticosa	Shrub wineberry
Astelia nervosa	Mt lily
Carex secta	Shining karamu
Carex testacea	Mikimiki
Carpodetus serratus	Marble leaf
Chionochloa flavescens	Snow tussock
Coprosma crassifolia	Thick-leaved coprosma
Coprosma linariifolia	Stinkwood
Coprosma rotundifolia	Round-leaved coprosma
Coprosma virescens	Mikimiki
Coriaria arborea	Tree tutu
Cyathodes juniperina	Mt pinkberry
Dacrycarpus dacrydioides	Kahikatea
Dicksonia squarosa	Tree fern
Discaria toumatou	Matagouri
Elaeocarpus hookerianus	Pokaka
Gaultheria antipoda	Bush snowberry
Griselinia littoralis	Broadleaf
Hoheria populnea SI	Lacebark
Melicope simplex	Poataniwha
Melicytus lanceolatus	Narrow leaved mahoe
Melicytus ramiflorus	Mahoe
Mrysine australis	Red mapou
Mrysine divaricata	Weeping mapou
Olearia arborescens	Tree daisy
Olearia avicenniifolia	Mt akeake
Olearia fragrantissima	Tree daisy
Olearia hectorii	Tree daisy
Olearia lineata	Small leaf tree daisy
Olearia odorata	Small leaf tree daisy
Olearia paniculata	Small leaf tree daisy
Pseudopanax simplex	Haumakaroa
Pseudowintera colorata	Horopito
Schefflera digitata	Seven finger/pate

Botanical name	Common name
Acaena caesiiglauca	Glaucus bidibid
Acaena inermis	Bidibid
Acaena microphylla	Bidibid
Asplenium gracillimum	Fern
Asplenium hookerianum	Fern
Asplenium terrestre	Fern
Astelia fragrans	Bush lily
Brachyglottis cassiniodes	Bush daisy
Blechnum discolor	Crown ferm
Blechnum minus	Swamp kiokio
Blechnum procerum	Mt kiokio
Carex buchananii	Mt kiokio
Carex solandri	Solander's sedge
Carmichealia compacta	Native broom
Carmichealia petriei	Native broom
Cassinia leptophylla	Tauhinu
Clematis foetida	Native clematis
Clematis paniculata	Native clematis
Coprosma rugosa	Sand coprosma
Gaultheria antipoda	Bush snowberry
Hebe anomala	Small koromiko
Hebe pimeleoides	Hebe
Hebe rakaiensis	Koromiko
Helichrysum lanceolatum	Niniao
Juncus gregiflorus	Rush
Libertia ixioides	Native iris
Melicytus alpinus	Porcupine shrub
Poa cita	Silver tussock
Poa colensoi	Blue colensoi
Muehlenbeckia complexa	Shrub pohuehue
Parsonsia capsularis	NZ Jasmine
Pennantia corymbosa	Kiakomako
Phyllocladus a. alpinus	Toatoa
Pimelea aridula	NZ daphne
Pimelea traversii	NZ daphne





Front Face Roads / Earthworks Staging and Pre-Planting

Roads / Earthworks Staging



Year 1 Roads



Year 2 Roads



5-Year Pre-Planting Roads

Pre-Planting Period Prior to Construction of Buildings



No pre-planting time period



3-year pre-planting time period / 3m average tree height



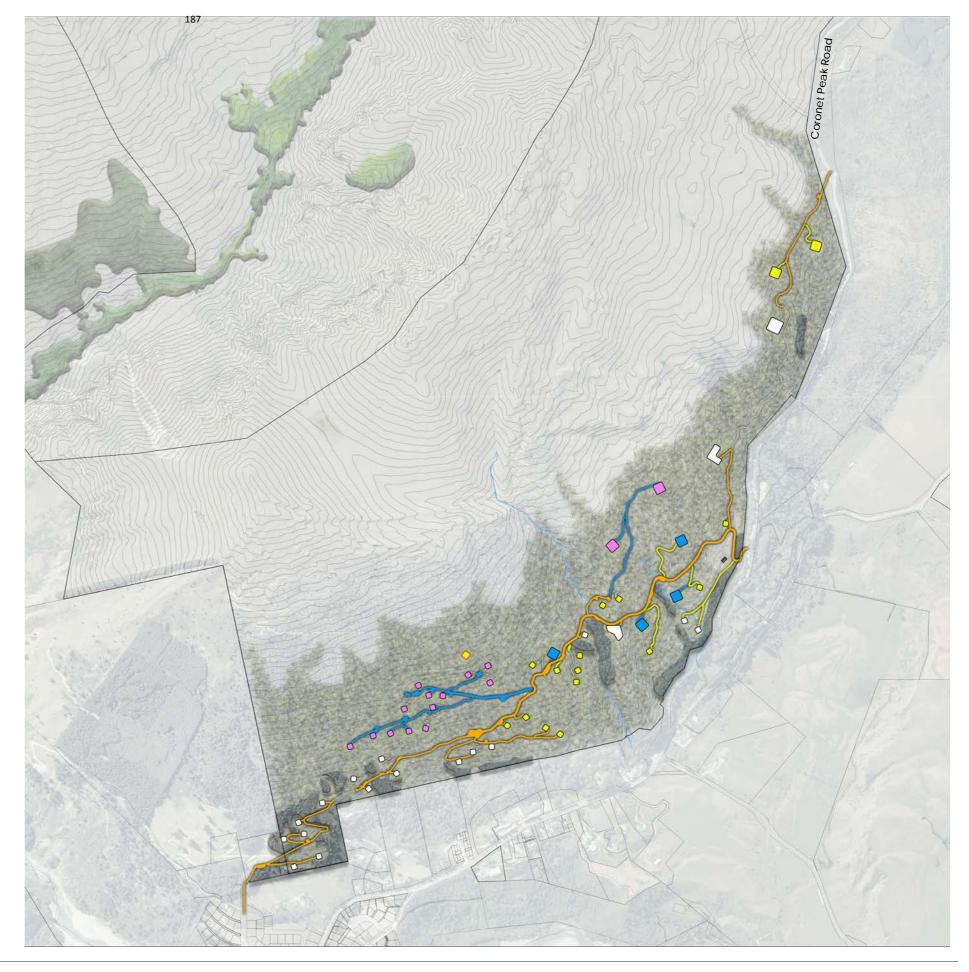
3-year pre-planting time period / 3m average tree height- Amenities building



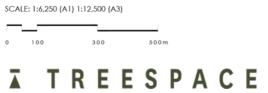
5-year pre-planting time period / 4m average tree height



10-year pre-planting time period / 8m average tree height











Proposed cabin sites (10m x 10m) with proposed RL CD = Drive in and CW = Walk in





Proposed chalet sites (25m x 25m) C= site is building platform
CS= max 350m² site coverage



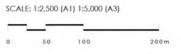
Reforestation radius from cabins (50m)



Reforestation radius from chalets (100m)











Proposed cabin sites (10m x 10m) with proposed RL **CD** = Drive in and **CW** = Walk in



Proposed chalet sites (25m x 25m)
C= site is building platform
CS= max 350m² site coverage



Reforestation radius from cabins (50m)



Reforestation radius from chalets (100m)











Public Trails (proposed)



Public Trails (existing)



Public Collaboration Trails (potential)



Treespace Trails (existing and proposed)

Trail Lengths

Existing public trails 29.8 km

Proposed public trails 19.1 km

Proposed total public trails 48.9 km

Proposed Treespace managed trails

8 km (backcountry) 5.1 km (front country) 2.4 km (roadside connections)

connections) **15.5 km** total

Total length of all trails 64.4 km

