

Burnham Quarry – Selwyn District Council Conditions

Land Use Consent RC235522 to establish and operate Burnham Quarry at the corner of Grange and Aylesbury Roads, Burnham

Definitions and Abbreviations

CLG	Community Liaison Group
Construction Phase Activities	<p>Construction Phase Activities means:</p> <ul style="list-style-type: none"> - Construct the vehicle crossing and internal access road; - Widen Aylesbury Road; - Construct Site facilities – site office, staff amenities, parking and weighbridge area; - Establish the wheel wash; - Install services; - Establish initial stockpile and extraction area; - Establish and plant the long-term bund from the Site access for 1 kilometre south along Aylesbury Road; - Plant gaps in the existing shelterbelt; - Permeation of stormwater that falls on unsealed surfaces.
CRC Manager	Means the RMA Monitoring and Compliance Manager or any replacement role that performs their monitoring and compliance functions.
DMP	Means Dust Management Plan
Extraction and Processing Phase Activities	<p>Extraction and Processing Phase Activities means:</p> <ul style="list-style-type: none"> - Removal of overburden; - Construct short-term bunds along boundaries; - Establish the plant processing and stockyard areas; - Extract and process aggregate; - Stockpile overburden, topsoil and aggregate in the stockyard; - Manage dust; - Generate traffic; - Undertake monitoring; - Store hazardous substances; - Plant short-term bunds and setbacks from and around the Grange Road access and the southeast corner of the Site; - Permeation of stormwater that falls on unsealed surfaces.
Hazardous Substances	Means plant and machinery fuel (diesel, unleaded petrol, bio-ethanol mix, hydrogen, ad-blue etc.), lubrication (oils and greases), and small quantities of laboratory chemicals for use in aggregates compliance testing.
Highest	Means the single highest elevation to which groundwater has historically risen

groundwater level	that can be reasonably inferred for the site, based on all relevant hydrogeological and topographic information.
LMP	Means Landscape Management Plan.
NMP	Means Noise Management Plan.
Overburden	Means the topsoil and subsoil layers that lie above the aggregate.
QMP	Means Quarry Management Plan.
Quarry activities	Means all construction phase, extraction and processing phase and rehabilitation phase activities .
RCS	Means Respirable Crystalline Silica
Rehabilitation Phase Activities	<p>Rehabilitation Phase Activities means:</p> <ul style="list-style-type: none"> - Deposit silts from silt ponds on the quarry floor; - Reinststate soils/backfilling; - Deconstruct short-term bunds; - Batter quarry slopes; - Plant regraded quarry slopes; <p>Permeation of stormwater that falls on unsealed surfaces.</p>
RMP	Means Rehabilitation Management Plan.
SDC Manager	Means the Selwyn District Council Team Leader – Compliance Environmental Services or any replacement role that performs their monitoring and compliance functions.
Site	Means Rural Section 19387, Rural Section 25412, Rural Section 27776, Rural Section 27777 and Rural Section 27724.
Site facilities	Means the site office, staff amenities, car parking and weighbridge area.
SMP	Means Soil Management Plan.
SPMP	Means Spill Management Plan
SQEP	Means a Suitably Qualified and Experienced Practitioner.
SWMP	Means Stormwater Management Plan
TMRP	Means Transportation Management and Routing Plan.

Authorised Activities

- 1 This Consent authorises the following activities undertaken at Grange Road and Aylesbury Road, Burnham, legally described as Rural Section 19387, Rural Section 25412, Rural Section 27776, Rural Section 27777 and Rural Section 27724, as shown on the Boffa Miskell and Pro-Manage Plan Set dated 20 January 2025, attached to and forming part of this resource consent:

CONSTRUCTION PHASE ACTIVITIES	
(a)	Construct the vehicle crossing and internal access road.
(b)	Widen Aylesbury Road.
(c)	Construct Site facilities – site office, staff amenities, parking and weighbridge area.
(d)	Establish the wheel wash.
(e)	Install services.
(f)	Establish initial stockpile and extraction area.
(g)	Establish and plant the long-term bund from the Site access for 1 kilometre south along Aylesbury Road.
(h)	Plant gaps in the existing shelterbelt.
(i)	Permeation of stormwater that falls on unsealed surfaces.
EXTRACTION AND PROCESSING PHASE ACTIVITIES	
(j)	Removal of overburden.
(k)	Construct short-term bunds along boundaries.
(l)	Establish the plant processing and stockyard areas.
(m)	Extract and process aggregate.
(n)	Stockpile overburden, topsoil and aggregate in the stockyard.
(o)	Manage dust.
(p)	Generate traffic.
(q)	Undertake monitoring.
(r)	Store hazardous substances.
(s)	Plant short-term bunds and setbacks from and around the Grange Road access and the southeast corner of the Site.
(t)	Permeation of stormwater that falls on unsealed surfaces.
REHABILITATION PHASE ACTIVITIES	
(u)	Deposit silts from silt ponds on the quarry floor.
(v)	Reinstate soils/backfilling.
(w)	Deconstruct short-term bunds.
(x)	Batter quarry slopes.
(y)	Plant regraded quarry slopes.
(z)	Permeation of stormwater that falls on unsealed surfaces.

- 2 Except as required by consent conditions, the authorised activities must be undertaken generally in accordance with the information and plans submitted with the application submitted on 7 September

2023 and addendum to the application submitted on 11th October 2023 and subsequent amendments made during the hearing process. Where there is any conflict between these documents and the conditions, the conditions of consent prevail.

Advice Note: *The Approved Consent Documentation has been entered into Council records as RC235522.*

Supervision and Notification

- 3 Prior to the exercise of this resource consent, the Consent Holder must appoint a representative(s), who will be the Council's principal contact person(s) in regard to matters relating to this consent and provide the name of that person(s) to the SDC Manager.
- 4 Should any representatives change during the term of this resource consent, the Consent Holder must inform the SDC Manager and must also give written notice to the SDC Manager of the new person's name and how they can be contacted as soon as practicable.
- 5 This resource consent and a copy of the certified versions of all the management plans required by this consent must be kept on Site at all times, and the Consent Holder must ensure personnel are made aware of each document's contents, where the plan relates to *quarry activities* for which those personnel are responsible. All certified management plans must also be publicly available on the Consent Holder's web site.
- 6 All quarry activities must be overseen by a quarrying SQEP.
- 7 At least one month prior to commencement of *quarry activities*, the Consent Holder must arrange and conduct a pre-construction site meeting(s) with the SDC Manager. At a minimum, the following must be covered at the meeting(s):
 - (a) Scheduling and staging of the works, including the proposed start date;
 - (b) Responsibilities of all relevant parties;
 - (c) Contact details for all relevant parties;
 - (d) Expectations regarding communication between all relevant parties;
 - (e) Site inspections; and
 - (f) Confirmation that all relevant parties have copies of the contents of these consent documents and all associated certified management plans.
- 8 The Consent Holder must use best endeavours to establish a CLG in accordance with the following requirements:
 - (a) The objectives of the CLG are to:
 - i) Provide a means for all parties to give and receive regular updates on matters associated with the quarry activities;
 - ii) Provide a regular forum through which information about the quarry can be provided to neighbours and interested parties;

- iii) Enable opportunities for concerns and issues to be reported to and responded to by the Consent Holder;
 - iv) Discuss the results of monitoring and any matters that may arise as a result of monitoring; and
 - v) Provide feedback on the development of the SMP, SPMP, SWMP, TMRP, RMP, NMP, LMP, QMP, and DMP.
- (b) The CLG must initially comprise up to two representatives of the Consent Holder and the Consent Holder must invite one representative of the Selwyn District Council, one representative of the Canterbury Regional Council, one representative from Burnham Camp, representatives from the surrounding community and representatives of the relevant Kaitiaki Rūnanga.

Advice Note: This condition only governs initial membership for the purposes of convening the first meeting of the CLG. On-going membership will be determined by the CLG.

- (c) The Consent Holder must ensure that members of the CLG are provided with the opportunity and facilities to meet:
- i) At least 30 working days prior to the start of any construction phase activities; and
 - ii) Not less frequently than quarterly during the first year of *quarry activities* and six monthly thereafter, unless all members of the CLG agree there is no need for a meeting;
- (d) If the Consent Holder, in progressing any element of the quarry, wishes to call a meeting of the CLG to obtain community input, the meeting regime may be shifted to accommodate such a request;
- (e) The time, date and venue of proposed meetings must be notified to members of the CLG;
- (f) Minutes of the CLG meetings must be kept by the Consent Holder and be made publicly available; and
- (g) A draft version of the Management Plans shall be provided to the CLG, and a period of at least 20 working days shall be allowed for consultation with the CLG Group and for feedback to be provided by the CLG on the contents of each plan. The final version of each plan shall set out how any issues raised by the CLG have been incorporated, and where they have not, outline the reasons why.

- 9 The Consent Holder must meet the reasonable administrative costs of the CLG meetings (e.g. meeting invitations; meeting venue; preparation of meeting minutes).

Advice Note: In the event that it is not possible to establish a CLG or convene meetings through lack of interest or participation from the local community, then such failure to do so will not be a breach of these conditions. Should the local community wish to re-establish meetings after a period of inactivity then the conditions above shall continue to apply.

Reporting

- 10 The Consent Holder must maintain a Complaints Register. The Complaints Register must include details of when a complaint was received, the steps taken by the Consent Holder to investigate the complaint, and any steps taken to address the issue(s) raised. The complaints register must be provided to the SDC Manager annually, and otherwise must be available to either of them on request.
- 11 Records of all staff training relevant to compliance with conditions of this consent must be retained on Site and provided to the SDC Manager on request.

Management Plan Certification Process

- 12 The following Management Plans must be submitted to the SDC manager for certification at least 40 working days prior to the commencement of any construction phase activities:
- (a) Noise Management Plan prepared in accordance with Condition 30; and
 - (b) Landscape Management Plan prepared in accordance with Condition 44; and
 - (c) Rehabilitation Management Plan prepared in accordance with Condition 73.
- 13 The TMRP prepared in accordance with Condition 71 must be submitted to the SDC Manager for certification at least 40 working days prior to the commencement of any extraction and processing phase activities.
- 14 Works to which a Management Plan relates must not commence until the Consent Holder has received written certification from the SDC Manager that the Management Plan adequately achieves the purpose of the relevant Condition(s).

Advice Note: *If the SDC Manager's response is that they are not able to certify the Management Plan they must provide the Consent Holder with reasons and recommendations for changes to the Management Plan in writing. The Consent Holder must consider any reasons and recommendations of the Manager and resubmit an amended Management Plan for certification.*

- 15 Once certified a Management Plan may be varied by the Consent Holder. Any application for a variation must also be prepared by a SQEP and be consistent with the conditions of the resource consent and the original objectives or purpose stated for the Management Plan. The *quarry activities* subject to the variation must not commence until the variation has been certified by the relevant manager.

Quarry Activities to be undertaken in accordance with Management Plans

- 16 The Consent Holder shall undertake all quarrying activities in accordance with the following management plans certified by Selwyn District Council:
- (a) Noise Management Plan required under this consent; and
 - (b) Landscape Management Plan required under this consent; and

- (c) Transportation Management and Routing Plan required under this consent; and
- (d) Rehabilitation Management Plan required under this consent; and the following management plans certified by Canterbury Regional Council:
 - (a) Quarry Management Plan required under consent CRC41002; and
 - (b) Soil Management Plan required under consent CRC41002; and
 - (c) Spill Management Plan required under consent CRC41002; and
 - (d) Dust Management Plan required under consent CRC41001; and
 - (e) Stormwater Management Plan required under consent CRC241000.

General Conditions

Hours of Operation

- 17 The hours of operation and the activities that may be undertaken during those hours are limited to those set out in Table 1 below:

Table 1: Hours of quarry activities and other associated activities.

When			Allowable activities
At all times			Environmental mitigations (including dust control), light vehicle movements into and on Site, operation of Site office, Site security and maintenance.
Early-Morning	Monday to Saturday (excluding public holidays) up to a maximum of 30 times per annum.	5.00am to 7.00am.	Loadout and access / egress of trucks operated by the quarry operator (10 heavy vehicle movements per hour).

Morning	Monday - Sat (excluding public holidays).	6.00am to 7.00am.	Rehabilitation and movement of vehicles within Site associated with that activity. Site pre-startup including operational warmup of on-site plant.
Day-Time	Monday to Friday excluding Public Holidays.	7.00am to 8.00pm.	Full range of quarry activities.
	Saturday excluding Public Holidays	7.00am to 1.00pm.	

Grange Road access

- 18 No vehicles associated with quarry activities may use the existing vehicle crossing off Grange Road.

Vehicles

- 19 Vehicle and heavy machinery speeds within the Site must not exceed 30 km/h on sealed roads and 20 km/h on unsealed roads and accessways.

Lighting and Glare

- 20 Lighting within the Site must be directed downwards and have a maximum light spill not exceeding 3-lux spill onto any part of an adjoining property.
- 21 All lighting will be turned off outside of the operating hours set out in Condition 17.

Security

- 22 The Site must be fully fenced and gated, and the gates must be locked when the quarry is not operating.
- 23 Signage that is able to be read from a distance of five metres must be installed and maintained for the operational life of the quarry at the Site entrance advising access for unauthorised vehicles and persons is prohibited, and
- (a) Name of the Site; and
 - (b) Name of the owner of the Site, a contact telephone number and email address; and
 - (c) Health and safety information; and

- (d) A sign shall be located at the Grange Road entrance to the site advising that the Grange Road entrance is not to be used to access the quarry.

Noise

- 24 *Construction phase activities* including the construction and deconstruction of the long-term bund and short-term bunds must be conducted in accordance with NZS 6803: 1999 “Acoustics - Construction Noise” and shall not exceed the following noise limits at the façade of any dwelling within any other property, during the following times:

Time of week	Time period	Long-term duration
Weekdays	0630 - 0730	55 Leq/75 Lmax
	0730 - 1800	70 Leq/85 Lmax
	1800-2000	65 Leq/80 Lmax
	2000-0630	45 Leq/75 Lmax
Saturdays	0630 - 0730	45 Leq/75 Lmax
	0730 - 1800	70 Leq/85 Lmax
	1800-2000	45 Leq/75 Lmax
	2000-0630	45 Leq/75 Lmax

- 25 *All extraction and processing phase activities* on the Site, measured in accordance with the provisions of NZS 6801:2008 “Acoustics – Measurement of environmental sound” and assessed in accordance with NZS 6802:2008 “Acoustics – Environmental Noise”, must not exceed the following noise limits at any point within any other property, during the following times:

- (a) Daytime 7.00am to 10.00pm 55 dB LAeq (15 min);
- (b) Night 10.00pm to 7.00am 45 dB LAeq (15 min) and 70 dB LMax.

- 26 Only broadband noise alarms must be used, if required, on quarry-based equipment or trucks controlled by the Consent Holder.
- 27 All fixed processing plant must be set back at least 500 metres from all Site boundaries.
- 28 Any mobile processing plants must be located at least 250 metres from any site boundary.
- 29 A conveyor belt system (or similar) shall be used to transport aggregate when extraction activities are occurring within 250 metres of the site boundary.
- 30 The Consent Holder must engage an Acoustic Engineer to prepare a **Noise Management Plan** (the NMP) and provide it to the SDC Manager for certification. The purpose of the NMP is to detail the

methods that will be used to comply with the noise standards in Conditions 24 and 25. As a minimum the NMP must include:

- (a) The proposed measures to be used to control noise generated by *extraction and processing phase and rehabilitation phase activities*; and
- (b) The role of the Consent Holder's staff in the management of noise and the nomination of specific staff member(s) responsible for overseeing the implementation and upkeep of the NMP; and
- (c) The procedures that will be followed by the Consent Holder should any complaint in relation to noise be received.

31 The Consent Holder shall maintain a standing offer to the owner(s) of 168 Aylesbury Road to construct a wooden acoustic fence (or such other agreed measure) to protect the dwelling on 168 Aylesbury Road from road noise. If the offer is accepted, then the Consent Holder shall install the acoustic fence (or other agreed mitigation) in a reasonable timeframe agreed between the Consent Holder and the owner(s).

32 The Consent Holder shall maintain a standing offer to the owner(s) of 146 Aylesbury Road to construct a wooden acoustic fence (or such other agreed measure) to protect the dwelling on 146 Aylesbury Road from road noise. If the offer is accepted, then the Consent Holder shall install the acoustic fence (or other agreed mitigation) in a reasonable timeframe agreed between the Consent Holder and the owner(s).

Construction-Phase Activities - Construction of site access

33 The Consent Holder must construct a vehicle crossing from Aylesbury Road for all quarry vehicles. The vehicle crossing must be formed in accordance with Waka Kotahi Planning Policy Manual "Diagram E" standard for a 100km/h speed limit road to a high pavement and drainage standard, including widening on the eastern side of the road, and entry side of the access as detailed in Figure 10-1 to Appendix 10 of the AEE. The vehicle crossing must have a concrete kerb edge and a flag light.

34 The internal Site access road must be constructed to meet the following standards:

- (a) be 9 metres in width: the first 150 metres of the access road inside the Site boundary must include two sealed lanes, 3.5 metres in width and a sealed shoulder 1 metre wide, thereafter the shoulders and lanes can be unsealed; and
- (b) include a rumble strip; and
- (c) include a wheel wash to assist in removing muddy material from vehicle wheels before vehicles exit the Site; and
- (d) construct a 1.5 metre long-term bund for the first 150 metres on either side of the access road; and
- (e) be curved into the Site with bunding to prevent direct line-of-sight to *quarry activities* from the road; and

- (f) include heavy vehicle waiting areas at the site entry.

Site facilities and services

- 35 The Consent Holder must establish all Site facilities as per Figure 3 of the Boffa Miskell and Pro-
Manage Plan Set dated 20 January 2025.
- 36 The Consent Holder must ensure that all services (potable water, electricity, wastewater) are
installed or upgraded to accommodate site demand.

Site preparation works

- 37 During site preparation works, the stripping of overburden and extraction of aggregate must only
occur within that part of the Site where the stockyard, plant processing areas and the site
amenities will be located.
- 38 The Consent Holder must seek approval from Selwyn District Council as road controlling authority to
widen Aylesbury Road between the Site access and Two Chain Road to form an 8-metre-wide
sealed carriageway. If this approval is granted, the Consent Holder must undertake the authorised
works before the quarry is permitted to generate more than 215 heavy vehicle movements per
operating day, calculated over a 3 month rolling average.

*Advice note: The cost of these works is relevant to the Council's assessment of an appropriate
Development Contribution under the Local Government Act 2002.*

Fire Management

- 39 The Consent Holder must ensure the site is supplied with sufficient firefighting water supply in
accordance with the New Zealand Fire Service Firefighting Water Supply Code of Practice (SNZ PAS
4509:2008) and access in accordance with the Designers' guide to firefighting operations
Emergency vehicle access F5-02 GD, prior to the commencement of any quarrying operations,
including the erection of any buildings.
- 40 An **Emergency Response Plan** (ERP) shall be submitted to the Selwyn District Council at least four
weeks prior to commencement of enabling works. The ERP shall be prepared by a suitably qualified
practitioner and shall be prepared in consultation with Fire and Emergency New Zealand. The
consent holder shall provide evidence to Selwyn District Council that engagement with Fire and
Emergency New Zealand has occurred including evidence of sign off by a Fire and Emergency New
Zealand District Manager.

Landscaping

- 41 The long-term bund adjacent to Aylesbury Road must be constructed as per Figures 1 - 3
inclusive of the Boffa Miskell and Pro-Manage Plan Set dated 20 January 2025, using overburden

and topsoil resulting from the site preparation works to support revegetation.

- 42 The long-term bund must be at least 3 metres in height with a 1 metre wide flat top with an average profile of 1:2 (1 metre vertical to 2 metres horizontal).
- 43 Bunding at the Site entrance onto/off Aylesbury Road must be constructed in general accordance with the Figures listed in Condition 41, inclusive of any minor amendments to the design shown in the listed figure that are approved in writing by the SDC Manager.
- 44 The Consent Holder must engage a Registered Landscape Architect to prepare a **Landscape Management Plan** (LMP) for certification by the SDC Manager. Landscape mitigation included in the LMP must be in accordance with the landscape strategy (Figures 9-11 of the Appendix 8A of the Resource Consent Application dated 16 June 2023). The LMP must also provide sufficient flexibility through adaptive management including allowing for plant trials and monitoring to ensure the health and longevity of proposed indigenous vegetation and ensure vegetation management is optimised through the lifetime of the quarry operation. Prior to submitting the Final LMP for certification by the SDC manager, the Consent Holder shall submit a draft LMP to SDC for review and comment. Where changes to the Draft LMP are sought by SDC as part of the review process, the Consent Holder shall highlight where these changes have been included or excluded from the Final LMP.

The purpose of the LMP is to:

- (a) identify, manage and maintain the existing shelterbelts around the boundaries of the Site to ensure screening provided by established shelterbelts is maximised, and
 - (b) provide detail on the planting to establish the long-term bund, planting blocks in the south-east corner and southern boundary of the Site, and the Aylesbury Road Site entrance to maintain existing amenity values and soften and assimilate the quarry activity into the surrounding landscape; and
 - (c) provide detail on the planting to establish the batters along the access road from Grange Road; and
 - (d) identify at a high level, the establishment of indigenous vegetation as required to rehabilitate the final batter slopes; and
 - (e) form a maintenance manual for all required landscape planting.
- 45 The Consent Holder must engage a suitably qualified ecologist to provide input into the LMP to ensure that plantings are ecologically appropriate and achieve the best outcomes for indigenous biodiversity.
- 46 The LMP must, as a minimum, identify:
- (a) Existing shelterbelts to be retained along site boundaries including any areas, species and density of infill planting, and the methodology to maintain an effective long-term screen; and
 - (b) Areas, species and density of planting to establish the long-term bund, the batters along

the access road from Grange Road, the planting blocks in the south-east corner and southern boundary of the Site and at the Aylesbury Road Site entrance; and

- (c) The areas, range of plant species and approximate density to rehabilitate the final batter slopes; and
- (d) Potential local sources for indigenous plants, ensuring that all indigenous plants are ecologically appropriate and eco-sourced from the Low Plains Ecological District (or, if this is not practicable, the Canterbury Plains Ecological Region); and
- (e) Measures to reduce the risk of fire, including through the use of low flammability species along the edge of the Site; and
- (f) A combined total of 8 hectares of indigenous planting to be implemented at the beginning of Phase 6 (in addition to planting of rehabilitated batters), as required by condition 48; and
- (g) The methodology and timing for establishing indigenous vegetation required by (b), (c) and (f); and
- (h) The maintenance requirements for all landscape features and planting for the duration of this consent including the nature and duration of irrigation and means of animal and plant pest control as necessary; and
- (i) ongoing monitoring and reporting to ensure indigenous plants will be successfully established and thrive.

47 The Consent Holder must undertake infill planting within the existing shelterbelts along the site boundaries and commence planting the long-term bund in accordance with the LMP prepared in accordance with Condition 44 to 46. However, the planting of the long-term bund need not be completed as part of the Construction phase.

48 The Consent Holder, at the time extraction begins in Phase 6, must commence planting, the 100 metre setbacks:

- (a) from the road boundary in the southeast corner of the Site and
- (b) from Grange Road;

with indigenous species as per the LMP; and

- (c) the two areas must result in a total area of 8 hectares of indigenous planting.

49 All plantings required under Condition 41 to 48 must be maintained for the duration of this consent in accordance with the requirements of the LMP.

Ecology

50 During the bird breeding season (1 August to 1 February), prior to new quarry construction activities, and removal of vegetation and / or topsoil associated with each stage of extraction, a survey of the

proposed construction works or extraction area, and unquarried habitat within a 200m buffer area of the works area, must be undertaken by a suitably qualified ecologist or ornithologist to locate active nests (nests with eggs or chicks), or chicks of any indigenous bird species that are absolutely or partially protected under the Wildlife Act 1953.

- 51 If active nests or chicks of indigenous birds that are absolutely or partially protected under the Wildlife Act 1953 are found during the survey required under Condition 50, the suitably qualified ecologist or ornithologist must produce a pre-works survey report which details measures to avoid, minimise or mitigate potential adverse effects on those nests or chicks including as a minimum:
- (a) the maintenance of an appropriate exclusion zone between active nests, or chicks, and sources of continuous disturbance (reduced minimum exclusion distances for intermittent, short-duration disturbance caused by work activities are permitted where provided for in the pre-works survey report); and
 - (b) Methods by which to ensure that all persons carrying out the vegetation removal works are informed of identified bird nesting or breeding sites.
- 52 The pre-works survey detailed in Condition 50 must be carried out no earlier than 8 working days prior to the vegetation removal works being carried out.

Extraction and Processing Phase Activities Open Areas

- 53 Each of the following aspects of the quarry activities must be limited at any one time to the maximum area of open ground set out in Table 2 below. These areas exclude the sealed access road(s) and any Site buildings.

Table 2: Open area limits.

Zone	Area (ha)
Fixed processing plant, other processing, stockpiling, unsealed customer loadout	11
Silt processing and storage	3.2
Excavation and active rehabilitation (excluding rehabilitated areas), including conveyance and unsealed accessways	12.8
Total active area	27

Excavation

- 54 Areas of extraction must be set back the following distances from the Site boundary:
- (a) 24.5 metres on Aylesbury Road, widening to 100 metres along approximately 0.6 km of the southeastern corner of the Site in proximity to the adjoining residential properties; and
 - (b) 17.5 metres on that part of Grange Road that adjoins rural zoned land and residential properties to the west, widening to 100 metres in proximity to the Site entrance and adjoining residential properties on Grange Road.

as shown on the Landscape Strategy in the Boffa Miskell and Pro-Manage Plan Set dated 20 January 2025.

- 55 The long-term bund shall only be constructed within 250 m of offsite receivers during 1 June to 31 August (inclusive). All other parts of the long-term bund, overburden removal and short-term bund construction may occur at any time. Overburden shall either be formed into short-term bunds around the Site as shown on the Edge Treatment Plan in Figure B of the Boffa Miskell and Pro-Manage Plan Set dated 20 January 2025 or immediately used to rehabilitate already quarried areas. Any excess overburden must be stockpiled in windrows along the western boundary of the first extraction area in the southeast centre-pivot area.
- 56 The short-term bunds referred to in condition 55 must be located within the 17.5 metre (m) setback from Site boundaries, be a maximum of 3 metres in height with a batter slope no steeper than 1:1. The short-term bunds must be constructed prior to extraction occurring within 250 metres of the Site boundary, extend along the length of the area to be extracted and remain in place until the area within 250 metres of the boundary has been completed to enable rehabilitation in accordance with the RMP.
- 57 The Consent Holder must grass or otherwise stabilise the short-term bunds as soon as practicable and water them when required to suppress potential dust until a grass cover has been established.
- 58 Working aggregate stockpiles must be located on the floor of the extraction areas and must be no greater in height than 3 metres above natural ground level.
- 59 The Consent Holder must temporarily bund around the edge of all active open areas that adjoin land used for primary production to ensure the health and safety of primary production workers and minimise the risk of stormwater entering the active quarry pit.

Contaminated Material

- 60 The Consent Holder shall engage a SQEP to undertake a detailed site investigation (DSI) for each phase of quarrying as identified on the Staging Plan appended to this Consent at least six months prior to the commencement of quarry activities.
- 61 The Detailed Site Investigation required under Condition 60 shall:
- (a) Be undertaken in accordance with the Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011; and

- (b) Delineate the lateral and vertical extents of the identified HAIL sites; and
 - (c) Determine if remediation is required.
- 62 If, contaminated materials are discovered, the handling and reuse of contaminated material must be undertaken in accordance with a Remediation Action Plan (RAP). The RAP must be prepared and submitted to the SDC Manager for certification at least 20 working days prior to the remediation works commencing. The RAP will be provided to Canterbury Regional Council (CRC) for information only.
- 63 The excavation and re-use of the material identified in Condition 62 must be supervised and validated by a SQEP as defined in the NES Contaminated Land Users' Guide (MfE 2012). On completion of the works, the Consent Holder must submit a site validation report confirming compliance with the certified RAP to the SDC and CRC Managers.
- 64 Any material removed from the Site shall be disposed of at a facility authorised to receive such material, and the Consent Holder shall provide the SDC Manager, with written confirmation of such disposal within 10 working days.

Accidental Discovery Protocol

- 65 Immediately following the discovery of material suspected to relate to an archaeological site as defined in the Heritage New Zealand Pouhere Taonga Act 2014:
- (a) All work in the vicinity of the discovery must cease and the relevant manager must be advised of the discovery;
 - (b) Immediate steps must be taken to ensure the archaeological material is not further disturbed;
 - (c) The Consent Holder must notify a qualified archaeologist, in order to assess the nature of the potential archaeological finds and provide further advice on how to proceed.
 - (d) If the finds are confirmed to be the remains of pre-1900 archaeological sites, the Consent Holder must contact Heritage New Zealand Pouhere Taonga Area Archaeologist, and
 - (e) ensure that an archaeological assessment is carried out by a qualified archaeologist. If appropriate, an archaeological authority must be obtained from Heritage New Zealand Pouhere Taonga before work resumes (as per the Heritage New Zealand Pouhere Taonga Act 2014);
 - (f) If Māori archaeological remains are encountered, Mahaanui Kurataiao Ltd, Taumutu Rūnanga, and Ngāi Tūāhuriri Rūnanga must also be contacted by the Consent Holder
 - (g) on any matters of tikanga (protocol) that are required in relation to the discovery of Māori archaeological remains and prior to the commencement of any investigation. In the case of kōiwi (human remains) the New Zealand Police must also be notified;
 - (h) If kōiwi (human remains) are uncovered, in addition to the steps above, the area must be treated with utmost discretion and respect, and the kōiwi dealt with according to both law and tikanga, as guided by Mahaanui Kurataiao Ltd, Taumutu Rūnanga and Ngāi Tūāhuriri Rūnanga;

- (i) Works in the vicinity of the archaeological site must not recommence until confirmation by the SDC manager in consultation with Heritage New Zealand Pouhere Taonga – and Mahaanui Kurataiao Ltd, Taumutu Rūnanga, Ngāi Tūāhuriri Rūnanga as appropriate (and the NZ Police in the case of kōiwi) that all statutory and cultural requirements have been met; and
- (j) The Consent Holder must notify SDC prior to the recommencement of work, and copies of all relevant authorisations must be provided to the SDC Manager.

Advice Note: *It is expected that all parties will work towards work recommencing in the shortest possible time frame while ensuring that any archaeological sites discovered are protected until as much information as practicable is gained and a decision regarding their appropriate management is made, including obtaining an archaeological authority under the Heritage New Zealand Pouhere Taonga Act 2014 if necessary. Appropriate management may include recording or removal of archaeological material. Although bound to uphold the requirements of the Protected Objects Act 1975, the Consent Holder recognises the relationship between Ngāi Tahu whānui, including its Runanga, and any taonga that may be discovered.*

Operational Site Access

- 66 To avoid material being deposited, dropped or tracked onto public roads from the Site, the Consent Holder must:
- (a) Inspect at least the first 100 metres of the access road inside the Site boundary daily and sediment and debris must be vacuum swept or equivalent as required; and
 - (b) Inspect and maintain the edges of the sealed portion of the access road, particularly where potholes emerge. Before they are filled, potholes must be coned off to avoid further damage and likelihood of transferring material onto Aylesbury Road; and
 - (c) Inspect (which may be by camera) heavy vehicles at the weighbridge with the purpose of identifying and minimising the risk of materials being deposited on nearby roads; and
 - (d) Ensure loaded heavy vehicles leaving the Site either cover their load or have the load dampened with water spray.
- 67 The Consent Holder must conduct daily inspections of Aylesbury Road for the first 250 metres from the Site entrance (in both directions) to assess if sediment has been deposited on the road from vehicles travelling to or from the Site. Any sediment deposited on the road must be removed the same day it is discovered. A record of when road sediment removal has taken place must be retained and made available to the SDC Manager on request and/or otherwise provided to the SDC Manager on the anniversary of the granting of this consent.

Traffic Management

- 68 Heavy vehicle movements generated by quarry activities onto the road network must not exceed:

- (a) a maximum of 250 movements per day at the Aylesbury Road site access prior to the SH1 / Aylesbury Road intersection being upgraded to a roundabout or otherwise upgraded in a way that performs as well as or better in respect of vehicle queues and delays and road safety than a single lane roundabout;
- (b) a maximum of 400 per day and a maximum of 550 movements per day on 15 working days per annum at the Aylesbury Road site access, with a 3 month rolling average of 300 movements per day, following the SH1 / Aylesbury Road intersection being upgraded to a roundabout or otherwise upgraded in a way that performs as well as or better in respect of vehicle queues and delays and road safety than a single lane roundabout
- (c) 215 movements per operating day, calculated over a 3 month rolling average, at the Aylesbury Road site access until Aylesbury Road is widened between the Site access intersection and Two Chain Road to an 8.0m sealed carriageway width;
- (d) The Consent Holder shall keep a record of heavy vehicle movements required under (a) – (c) above, which shall be provided to the Council on request.

Advice Note: *The 3 month rolling averages required by (b) and (c) shall be calculated by dividing the total heavy vehicle movements over the three month period by the number of operating days within that period. The Consent Holder shall keep a record of these volumes which shall be provided to the SDC Manager on request.*

and

- (e) a maximum of 45 movements per day along Two Chain Road unless upgraded to a standard required to accommodate heavy vehicles as approved by the SDC Manager; and
- (f) at the intersection of Aylesbury Road and Two Chain Road, a maximum of 10 movements per day turning from Aylesbury Road (north approach) to Two Chain Road (east approach) until kerb adjustments are made in accordance with Figure 10-2 of Appendix 10 of the AEE, to support the left turn from Aylesbury Road (north) and approved by the SDC Manager; and
- (g) at the intersection of Aylesbury Road and Wards Road, a maximum of 10 movements per day turning right from Aylesbury Road south approach into the Wards Road east approach, unless upgraded to support the right turn from Aylesbury Road (south) and approved by the SDC Manager.

Advice Note: *For the purpose of this consent a single heavy vehicle entering and then exiting the Site is two movements.*

- 69 The Consent Holder must take all practicable steps to ensure that heavy vehicles associated with any quarry activities do not use unsealed sections of Kerrs Road or Sandy Knolls Road between Aylesbury Road/Two Chain Road and Wards Road.
- 70 The Consent Holder must ensure that all heavy vehicle movements between the hours of 5.00am and 7.00am approach from and depart the site to the north, along Aylesbury Road to and from SH73.
- 71 The Consent Holder must engage a Traffic Engineer SQEP to prepare a **Transportation Management and Routing Plan** (the TMRP) for certification by the SDC Manager. The purpose of TMRP is to

provide detail on how all conditions relating to heavy vehicle movements will be achieved, and to ensure all heavy vehicle drivers are aware of the potential safety hazards present on roads in the vicinity of the quarry, including safe travel procedures across the Aylesbury Road railway level crossing. The TMRP must include, as a minimum:

- (a) Formal codes of practice for all drivers; and
- (b) Formal induction processes for all drivers including:
 - i. awareness of school drop-off and pick up times at Burnham School located at 56 Godley Road; and
 - ii. the short separation distance between State Highway 1 and the railway crossing; and
 - iii. the presence of congestion at Aylesbury Road approach to SH1 during the period of approximately 3-4pm on weekdays; and
 - iv. route selection to and from the Site with reference to Aylesbury Road being the preferred route to SH1 and minimising the use of surrounding local roads; and
 - v. awareness and conduct of drivers around other road users such as cyclists, horse riders and pedestrians; and
 - vi. awareness of specific route requirements in the 5:00 to 7:00am time period.
- (c) A requirement for non-Consent Holder-controlled heavy vehicle drivers accessing the Site to sign on to codes of practice; and
- (d) Provision for appropriate onsite signage; and
- (e) Provision for road signage such as advance warning signage advising of the presence of heavy vehicles in agreement with SDC; and
- (f) Confirmation of the use of Aylesbury Road as the preferred route to connect to and from State Highway 1 and stating that the Grange Road access is not to be used for quarry access;
- (g) The practicable steps to be taken to minimise turns by heavy vehicles onto Two Chain Road, between Aylesbury Road (north) and Two Chain Road (east) and onto Wards Road, between Wards Road (south) and Aylesbury Road (east) as required under Condition 68 (d) to (f);
- (h) The practicable steps to be taken to ensure consent holder and non-consent holder-controlled vehicles do not use the unsealed sections of Kerrs Road or Sandy Knolls Road between Aylesbury Road/Two Chain Road and Wards Road;
- (i) survey monitoring provisions to determine the directionality of movement at Aylesbury Road intersections with Two Chain Road and Wards Road. This survey shall be carried out annually for the first two years of operation, and then every three years thereafter. If the results indicate material differences in traffic distribution from those assessed in the Application ITA, the TMRP shall set out a revised frequency and/or duration for survey monitoring provisions.

The survey can be by means of weighbridge interview survey which offers the ability to

cover a longer duration (say 1 to 2 weeks), or a traffic recording survey which is likely.

Keeping of Records

- 72 On an annual basis and at the conclusion of each stage of aggregate extraction, the Consent Holder must forward a progress report to the SDC Manager. The report must include:
- (a) the volume of material extracted,
 - (b) the area of extraction that remains open,
 - (c) the maximum number of daily heavy vehicle movements associated with quarrying operations during that stage, and
 - (d) a plan showing the area which has been worked during the stage.

Rehabilitation Phase Activities

- 73 The Consent Holder must engage a Registered Landscape Architect to prepare a **Rehabilitation Management Plan** (the RMP) for each phase of quarry extraction shown on the Boffa Miskell and Pro-Manage Plan Set dated 20 January 2025, in accordance with the LMP required under Condition 44 - 46 and the SMP required under consent CRC241002.
- 74 The Consent Holder must engage a suitably qualified ecologist to provide input into each RMP to ensure that plantings are ecologically appropriate and achieve the best outcomes for indigenous biodiversity.
- 75 Each RMP must be submitted to the SDC Manager for certification not less than 6 months prior to commencement of the phase to which the RMP applies. Each RMP shall identify:
- (a) The final form of batters proposed to accommodate revegetation, the form shall be irregular to create a more naturalised appearance and avoid an overly-linear, uniform appearance (average 1(v):2(h) slope overall with no more than 400 metres of continuous batters formed at 1:1); and
 - (b) The final volumes of subsoil and topsoil required to rehabilitate batters and facilitate ongoing rural land use. A minimum of 200mm of topsoil and a minimum of 400mm of soil (topsoil and subsoil) must be established ;
 - (c) Detail the criteria for determining when rehabilitation is complete and the land can be used for various future uses, within the constraints of Condition 33 CRC241002 (the land use covenant); and
 - (d) Plant establishment and maintenance, including the following specifications:
 - (i) confirming the establishment method, identifying the species and density of plants set out in the LMP required by Condition 44-46;

- (ii) the method to ensure plants will be irrigated for at least two years after planting until established; and
- (iii) measures to maintain and monitor completed areas of indigenous vegetation including pest protection such as the installation of combi-guards and/or rabbit proof fencing to be installed and maintained for 2 years; and
- (iv) means of monitoring plant success and animal and plant pest control; and
- (v) means of annual reporting to the SDC in accordance with Condition 46 (i).

The annual report shall document, at a minimum, plant mortality and subsequent replacements in any given RMP area. The annual report shall be submitted to the SDC Manager following the implementation of replacement planting in any given RMP area, to occur in accordance with Condition 76 (below).

76 Annual monitoring and reporting shall be undertaken for a minimum period of 3 years following the completion of the maintenance and monitoring periods specified in Condition 75(d)(iii), or until such time as a successful canopy closure has been achieved. All areas of indigenous vegetation required under Conditions 44-46 must be implemented in the next available planting season following the completion of final landform modification within each phase and maintained for the duration of this consent. Any dead, diseased, or damaged plants must be replaced with plants of a similar species and as soon as practicable, having regard to planting seasons.

Review of conditions

77 The Selwyn District Council may, during the month of May or November each year, review any or all of the conditions of the consent pursuant to section 128 of the Resource Management Act 1991 for all or any of the following purposes:

- (a) To deal with any adverse effect on the environment which may arise from the exercise of the consent that was not foreseen at the time of granting of the consent, and which is therefore more appropriate to deal with at a later stage; and/or
- (b) To review the noise limits and any adverse effects resulting from heavy vehicle traffic associated with *quarry activities*, including measures to manage noise from unforeseen heavy vehicle traffic flows; and/or
- (c) To review the operational parameters of *quarry activities* should adverse noise, dust or nuisance effects arise; and/or
- (d) To require consistency with any relevant Regional Plan, District Plan, National Environmental Standard, Water Conservation Order or Act of Parliament.

Lapse date

78 If these consents are not exercised before 12 February 2030, they must lapse in accordance with

Section 125 of the Resource Management Act 1991.

Advice Notes

Monitoring

- (a) In accordance with section 36 of the Resource Management Act 1991, the Council's specialised monitoring fee will be charged.
- (b) If the conditions of this consent require any reports or information to be submitted to the Council, additional monitoring fees for the review and certification of reports or information will be charged on a time and cost basis. This may include consultant fees if the Council does not employ staff with the expertise to review the reports or information.
- (c) Where the conditions of this consent require any reports or information to be submitted to the SDC Manager please forward to the Council's Compliance and Monitoring Team compliance@selwyn.govt.nz
- (d) Any additional monitoring due to non-compliance with the conditions of the resource consent will be charged to the Consent Holder as an additional monitoring fee on a time and cost basis.

Vehicle Crossings

- (e) Any new or upgraded vehicle crossing requires a vehicle crossing application from Council's Assets Department prior to installation. For any questions regarding this process please contact transportation@selwyn.govt.nz. You can use the following link for a vehicle crossing information pack and to apply online: <http://www.selwyn.govt.nz/services/roading/application-to-form-a-vehicle-crossing-entranceway>

Building Act

- (f) This consent is not an authority to build or to change the use of a building under the Building Act. Building consent will be required before construction begins or the use of the building changes.

Impact on Council Assets

- (g) Any damage to fixtures or features within the Council road reserve that is caused as a result of construction or demolition on the Site must be repaired or reinstated and the expense of the Consent Holder.

Property Access

- (h) Access by the Council's Officers or its agents to the property is reserved pursuant to Section 332 of the Resource Management Act 1991.

Sustainable Design

- (i) Buildings and development should incorporate sustainable stormwater run-off and provide for the re-use of greywater including:
 - (i) greywater capture and reuse.
 - (ii) rainwater capture and reuse (i.e. rainwater collection tanks),
 - (iii) minimizing impervious cover (e.g. using permeable paving and maintaining grass cover).

- (iv) avoiding the use of building materials that generate contaminants such as copper guttering and roofing.

Attachments:

1. Boffa Miskell and Pro-Manage Plan Set dated 20 January 2025.
2. Figure 10-1 to Appendix 10 of AEE.
3. Figure 10-2 to Appendix 10 of AEE.
4. Figure 9-11 to Appendix 8A of AEE.

Appendix A

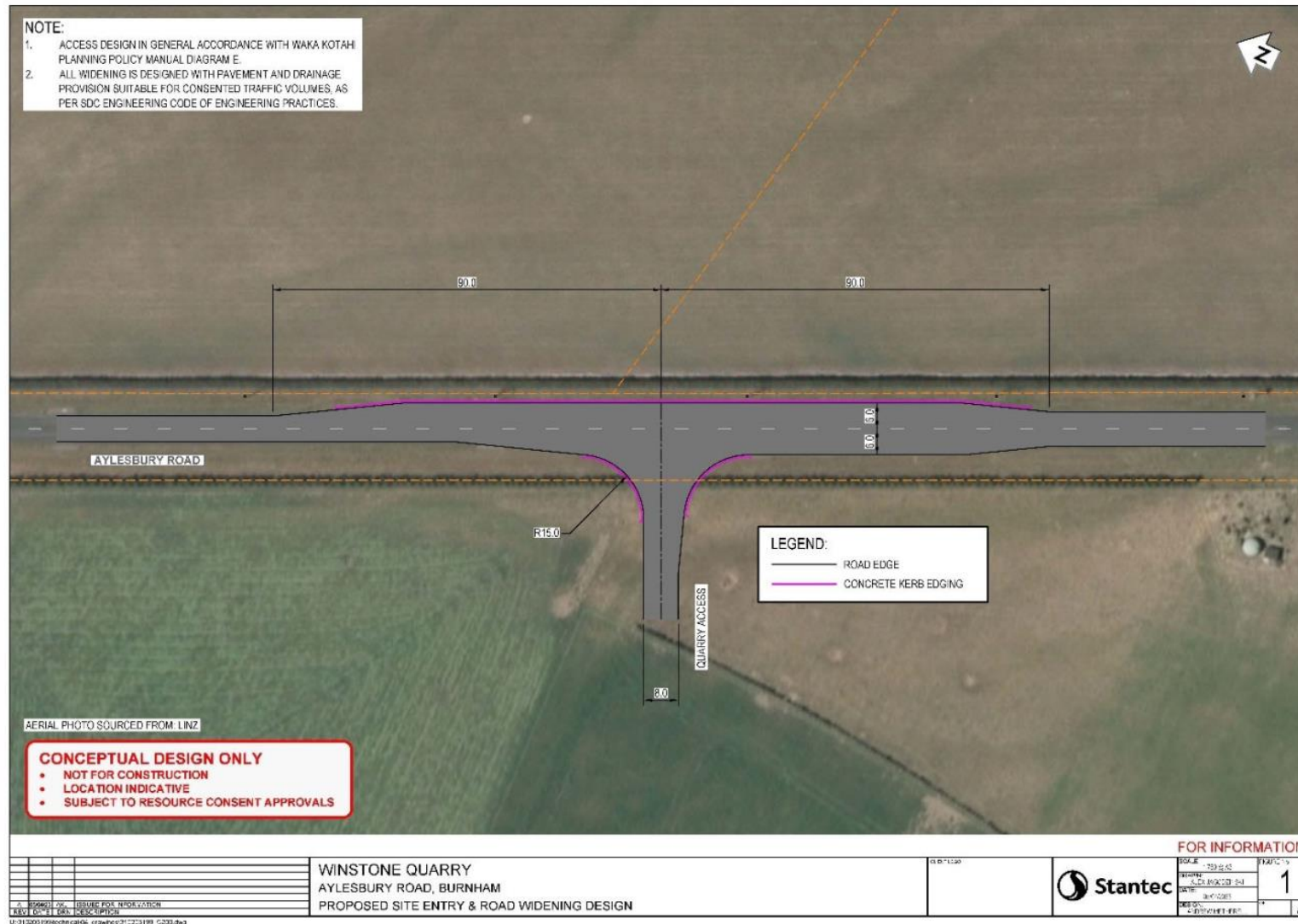


Figure 10-1: Aylesbury Road Site Access Widening



MIX ONE: LARGER TREES AND SHRUBS

MIX TWO: EDGE PLANTING

MIX THREE: BUND/SCARP PLANTING

MIX FOUR: TUSOCKS AND SMALL SHRUBS

* To be used in larger patches, and to screen views of the proposed plant.

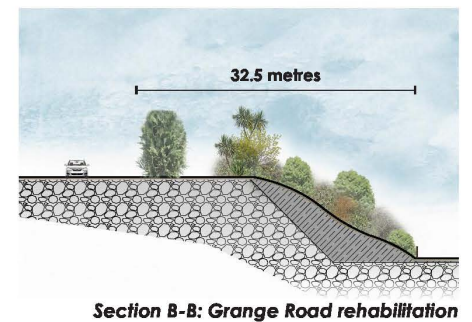
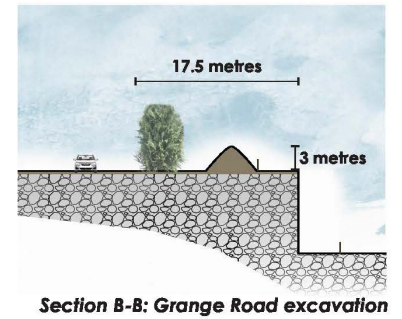
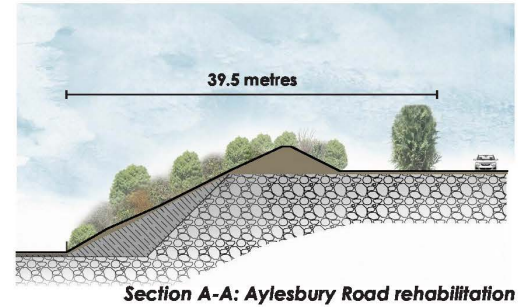
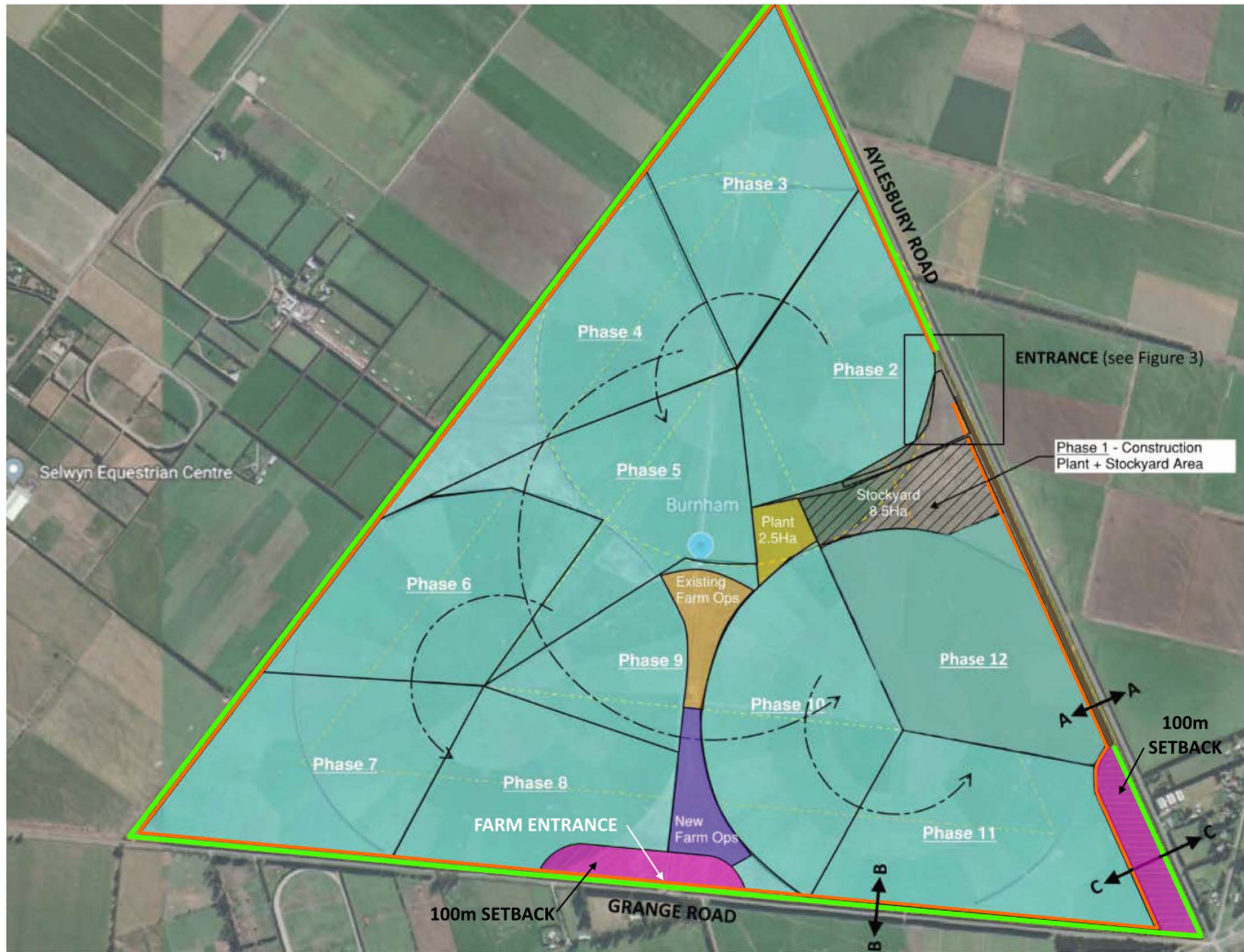
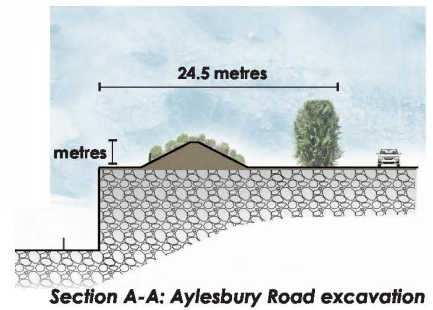
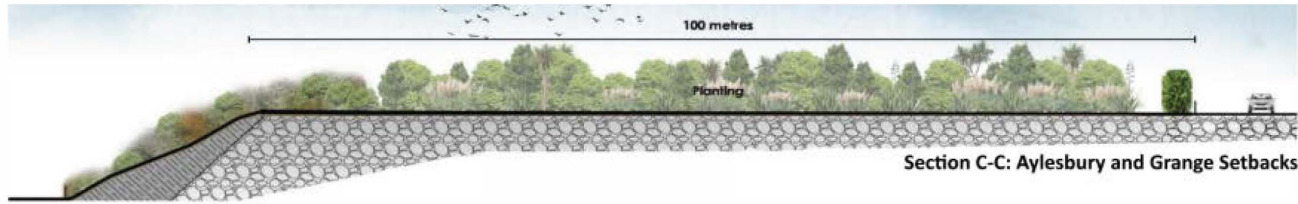
* For corridors planted above the battered slope.

* For battered slopes to create habitat which mimics a disturbed river scarp.

KEY

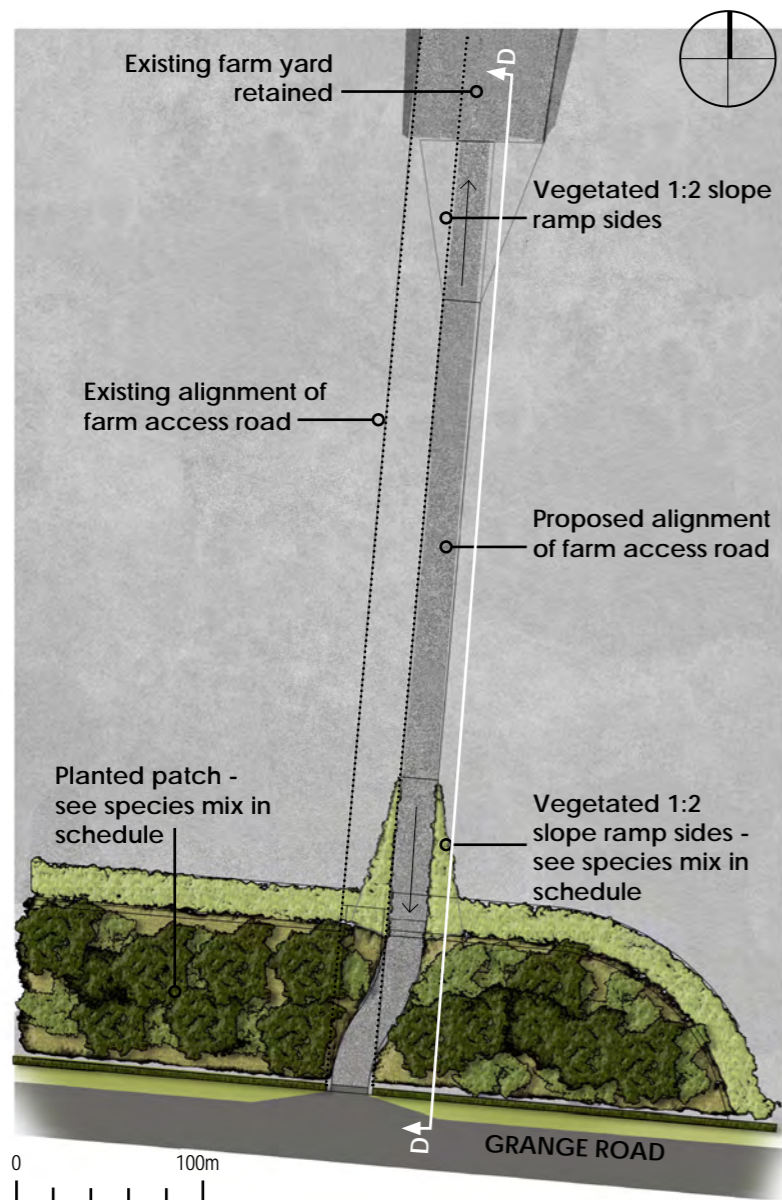
- Threatened - Nationally Vulnerable
- Threatened - Nationally Endangered
- Threatened - Nationally Critical
- Low Fire Risk
- At Risk - Naturally Uncommon
- At Risk - Declining
- Margins
- Infill

This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client or obtained from other external sources, it has been assumed that it is accurate. No liability or responsibility is accepted by Boffa Miskell Limited for any errors or omissions to the extent that they arise from inaccurate information provided by the Client or any external source.



LEGEND

- QUARRY PHASES
- QUARRY FIXED PLANT
- FARMING OPERATION AT QUARRY COMMENCEMENT
- FARMING OPERATION AT QUARRY CONCLUSION
- PERMANENT BUND
- TEMPORARY BUNDS
- REHABILITATED SLOPE PLANTING
- PLANTED PATCHES



Landscape plan: Grange Road Farm access road

<i>Festuca novae-zelandiae</i> Hard Tussock	<i>Coprosma virescens</i> Mikimiki	<i>Austroderia richardii</i> South Island Toe Toe	<i>Cordyline australis</i> Ti Kouka	<i>Griselinia littoralis</i> Kapuka	<i>Hoheria angustifolia</i> Lacebark	<i>Myrsine australis</i> Mapou	<i>Olearia paniculata</i> Ahkiraho
<i>Poa cita</i> Silver Tussock	<i>Muehlenbeckia astonii</i> Shrubby tororaro	<i>Ozothamnus leptophyllus</i> Tauhinu	<i>Phormium tenax</i> Harakeke	<i>Pittosporum tenuifolium</i> Kohuhu	<i>Plagianthus regius</i> Ribbonwood	<i>Sophora microphylla</i> S.I. Kowhai	<i>Coprosma propinqua</i> Mingimingi

* For sunny edges to create habitat and variance in overall height.

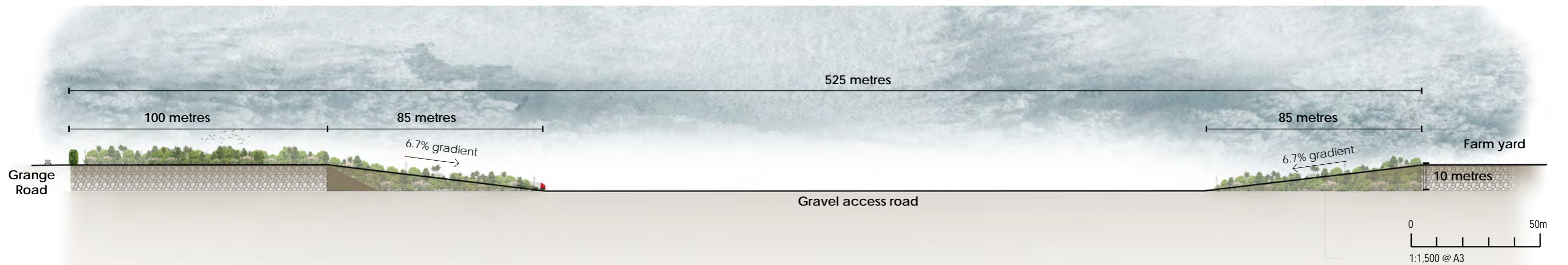
<i>Aciphylla subflabellata</i> Spaniard	<i>Festuca novae-zelandiae</i> Hard Tussock	<i>Melicytus alpinus</i> Porcupine shrub	<i>Carmichaelia australis</i> NZ Broom	<i>Clematis quadribracteolata</i> NZ Clematis	<i>Coprosma crassifolia</i> Mingimingi	<i>Coprosma propinqua</i> Mingimingi	<i>Coprosma virescens</i> Mikimiki	<i>Griselinia littoralis</i> Kapuka
<i>Muehlenbeckia complexa</i> Small-leaved Pohuehue	<i>Olearia adenocarpa</i> Canterbury Plains tree daisy	<i>Poa cita</i> Silver Tussock	<i>Muehlenbeckia astonii</i> Shrubby tororaro	<i>Myrsine australis</i> Mapou	<i>Ozothamnus leptophyllus</i> Tauhinu	<i>Phormium tenax</i> Harakeke	<i>Plagianthus regius</i> Ribbonwood	<i>Sophora microphylla</i> S.I. Kowhai

KEY

- At Risk - Naturally Uncommon
- At Risk - Declining
- Threatened - Nationally Critical
- Threatened - Nationally Endangered
- Threatened - Nationally Vulnerable
- Low Fire Risk
- Infill
- Margins

PLANTED PATCHES MIX: LARGER TREES AND SHRUBS

SCARPS / RAMP SIDES MIX: MIXED HEIGHT PLANTING



Section D-D: Grange Road Farm access

Appendix E

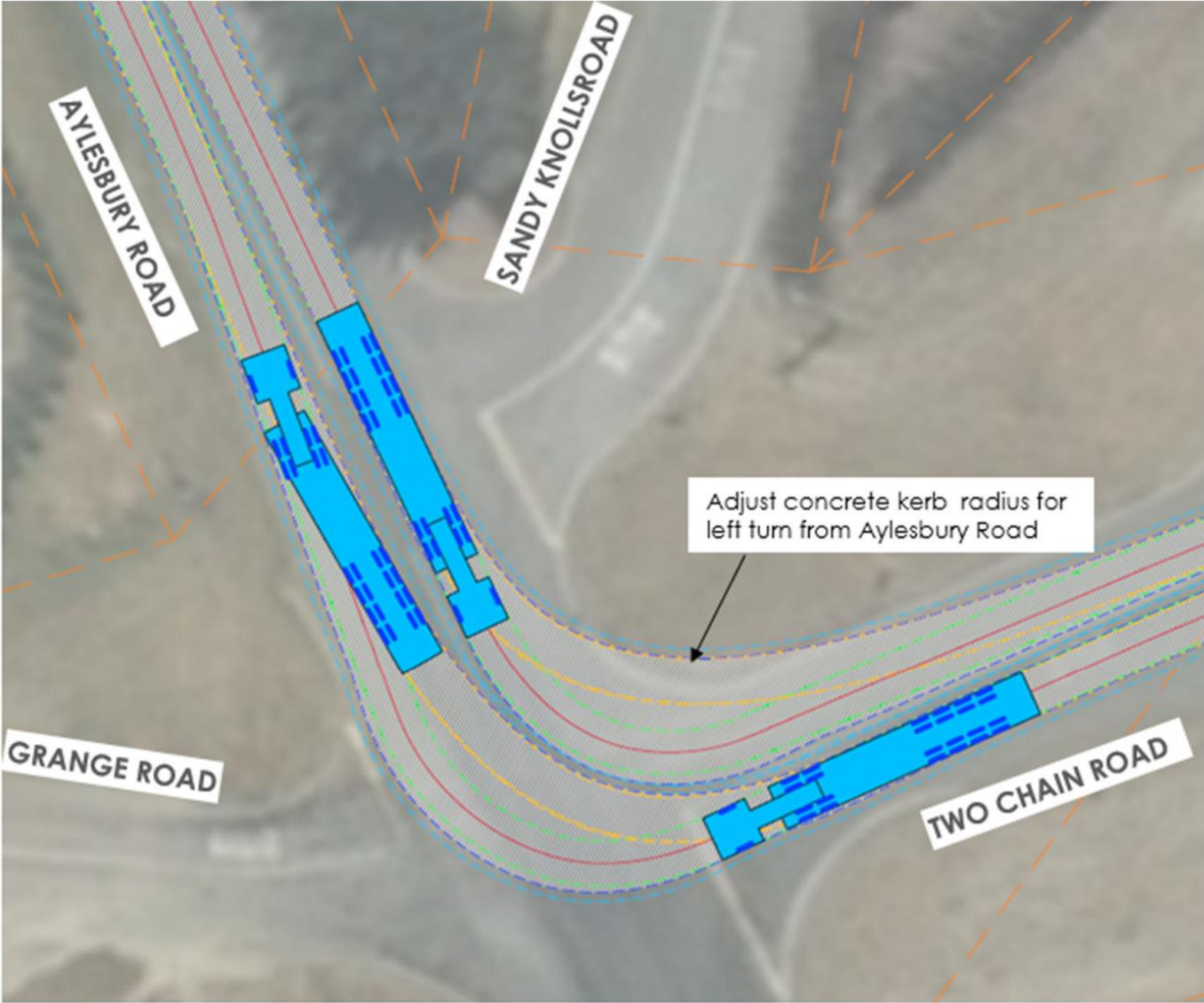


Figure 10-2: Adjustment to Aylesbury Road – Two Chain Road northeast corner kerb