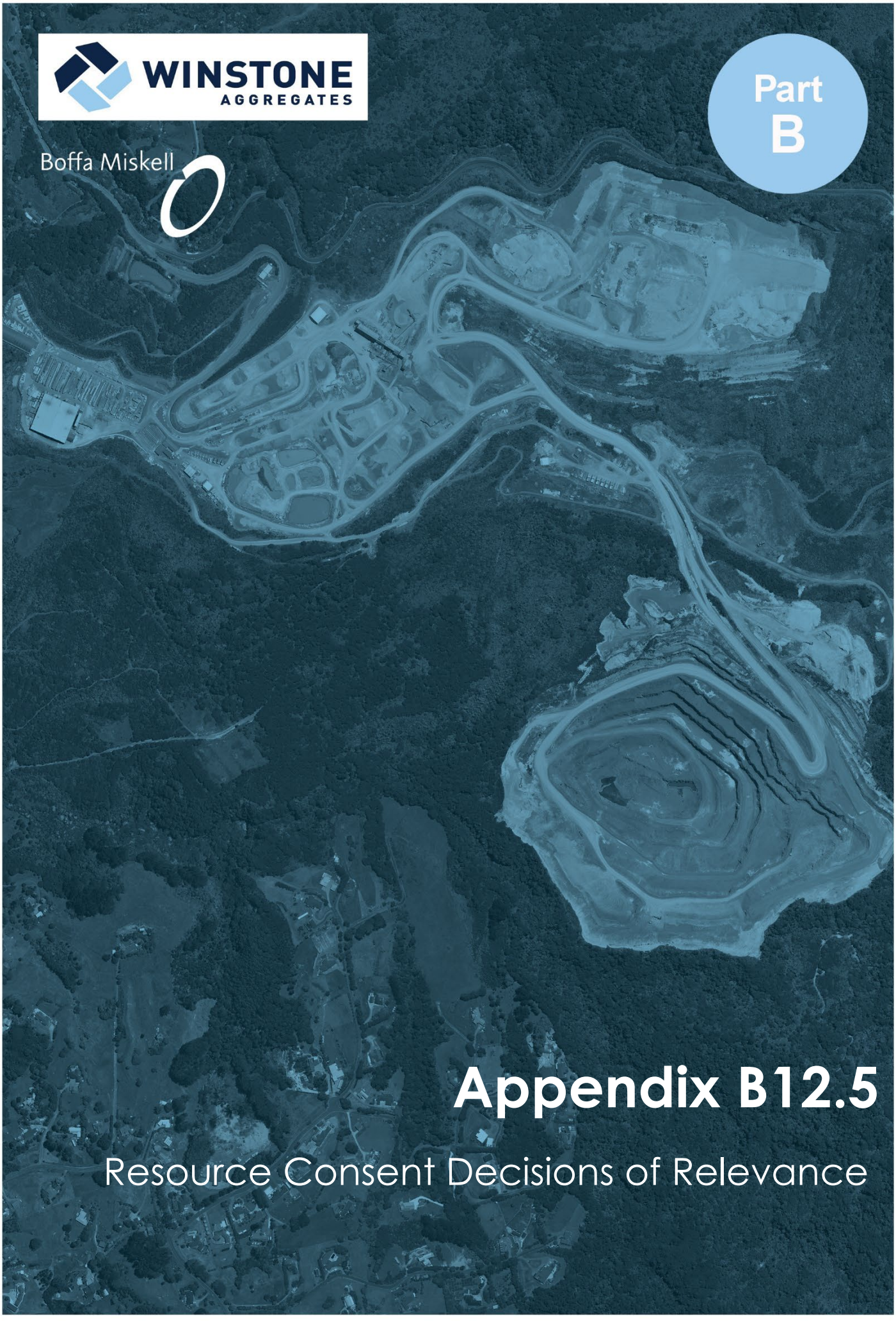
WINSTONE AGGREGATES

Boffa Miskell

Part B



Appendix B12.5

Resource Consent Decisions of Relevance

Report for an application for resource consents under the Resource Management Act 1991

Controlled activity for landuse consent

Controlled activity for discharge permit

1. Application description

Application number(s):	BUN60356960
	DIS60356961
	LUC60356962
Applicant:	Fletcher Concrete and Infrastructure Limited
Site address:	489 Hunua Road Drury 2113
Legal description:	PT ALLOT 79 Parish OF HUNUA
	PT ALLOT 79 Parish OF HUNUA
	Lot 2 DP 55769
Site area:	116.2384ha

Auckland Unitary Plan (Operative in part)

Zoning and precinct:	Special Purpose - Quarry Zone
Overlays, controls, special features, designations, etc:	Natural Resources: Significant Ecological Areas Overlay - SEA_T_5323, Terrestrial
	Natural Resources: Significant Ecological Areas Overlay - SEA_T_7032, Terrestrial
	Natural Resources: High-Use Stream Management Areas Overlay [rp]
	Controls: Macroinvertebrate Community Index - Native
	Controls: Macroinvertebrate Community Index – Rural
	Designations: Airspace Restriction Designations - ID 200, Ardmore Airport - Height Restrictions, Ardmore Airport Ltd
	Overland flowpaths
	Floodplains
	Flood Prone Areas

Locality Plan

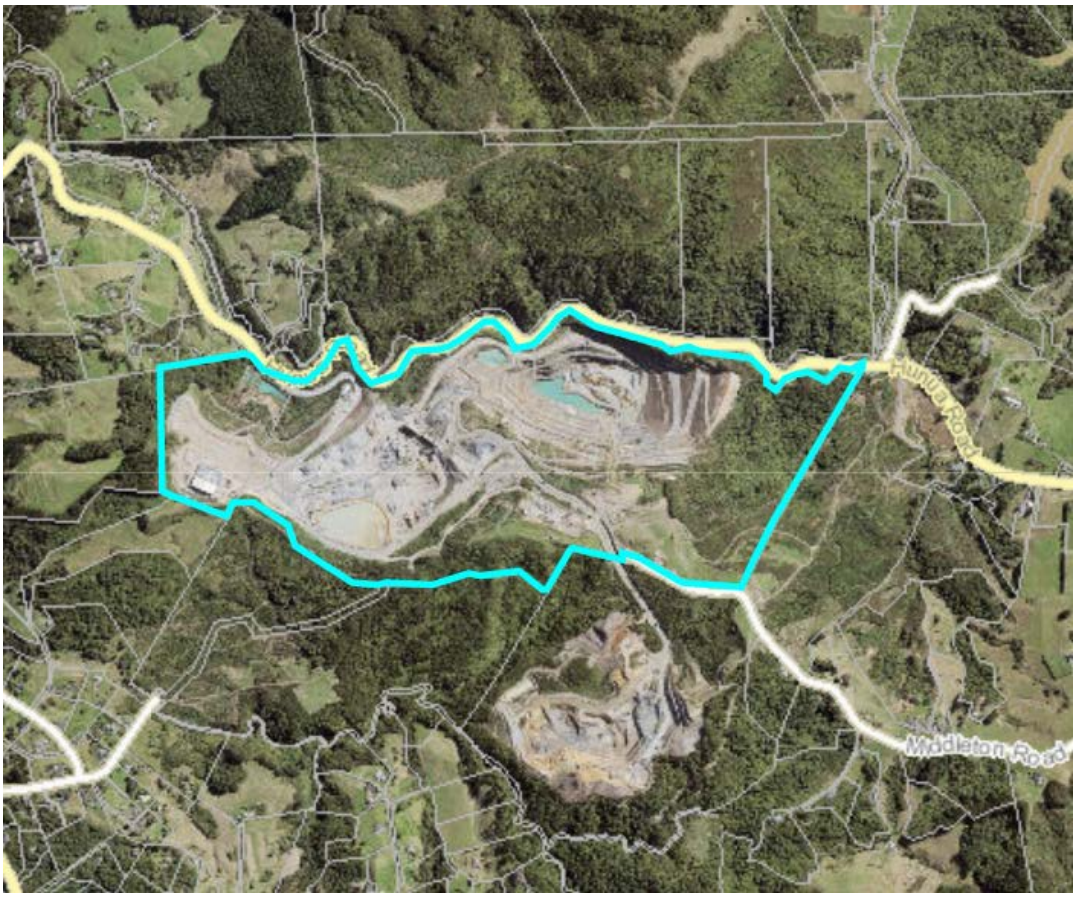


Figure 1 – Site Locality Plan (taken from Council GIS Map)

2. The proposal, site and locality description

Proposal

Mark Tollemache of Tollemache Consultants Ltd has provided a description of the proposal and subject site in the Assessment of Environmental Effects (AEE) titled: “Assessment of Environmental Effects - Overburden Disposal Area and Managed Fill Operation” dated March 2020.

I concur with that description of the proposal and the site and have no further comment. In summary;

- Consent was granted in 2017 (R/LUC/2017/483 and R/REG/2017/819) for the utilisation of 3 million m^3 of imported managed fill and 2 million m^3 of overburden from the Symonds Hill Quarry Pit to rehabilitate the Hunua Pit (see Figure 2) within the Hunua Quarry. The managed fill was to be imported as part of backloading of trucks already accessing the site for aggregate. These works reinstated the Hunua Pit to RL90 in accordance with the cross sections below (Figures 3 and 4 below).

Figure 2 – Overburden/fill disposal pit location

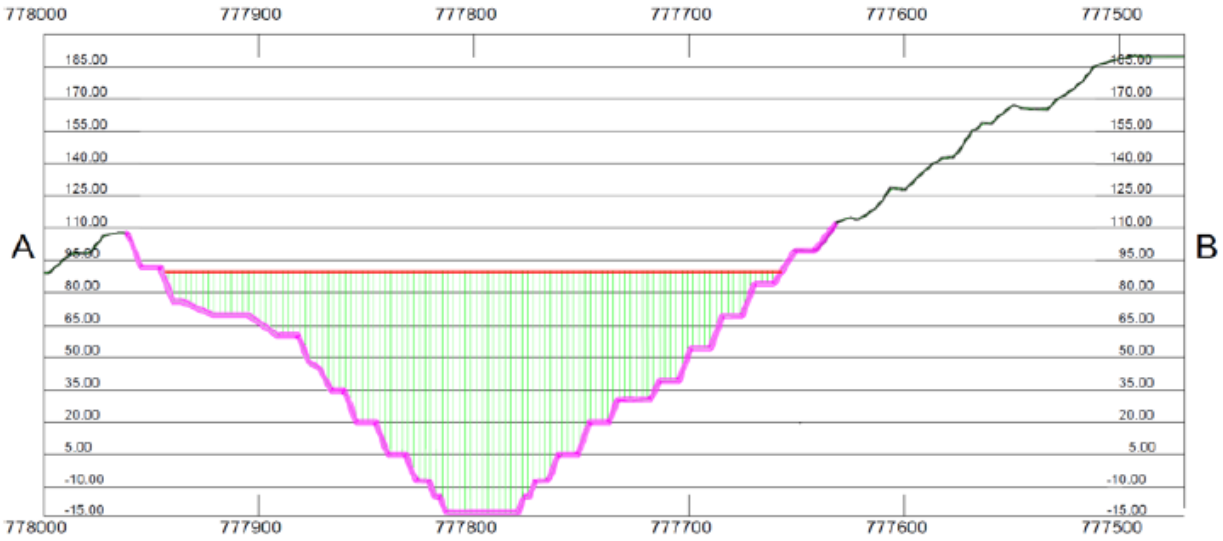


Figure 3 – Consented Hunua Pit fill level

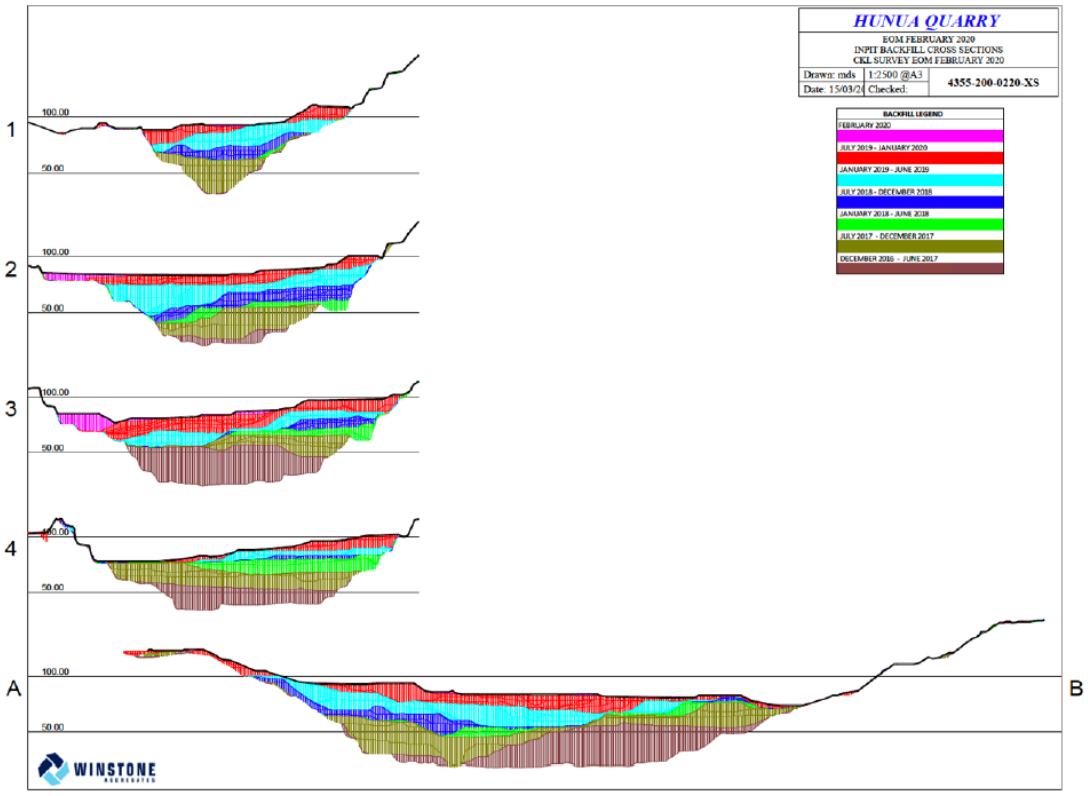


Figure 4 – Completed fill levels to date

- With the consented works nearing completion, the application now wishes to continue with overburden disposal from the Symonds Hill Quarry Pit and managed fill, in the same manner as already consented, increasing the reinstated levels of the Hunua Pit from RL90 (as consented) to RL 170. This effectively creates an engineered slope on top of the levelled pit. This involves the placement of a further 3 million m^3 of imported managed fill and 2 million m^3 of overburden. The managed fill will continue to be imported as part of backloading of trucks already accessing the site for aggregate. The proposal will increase the volume of the managed fill to a total of 6 million m^3.

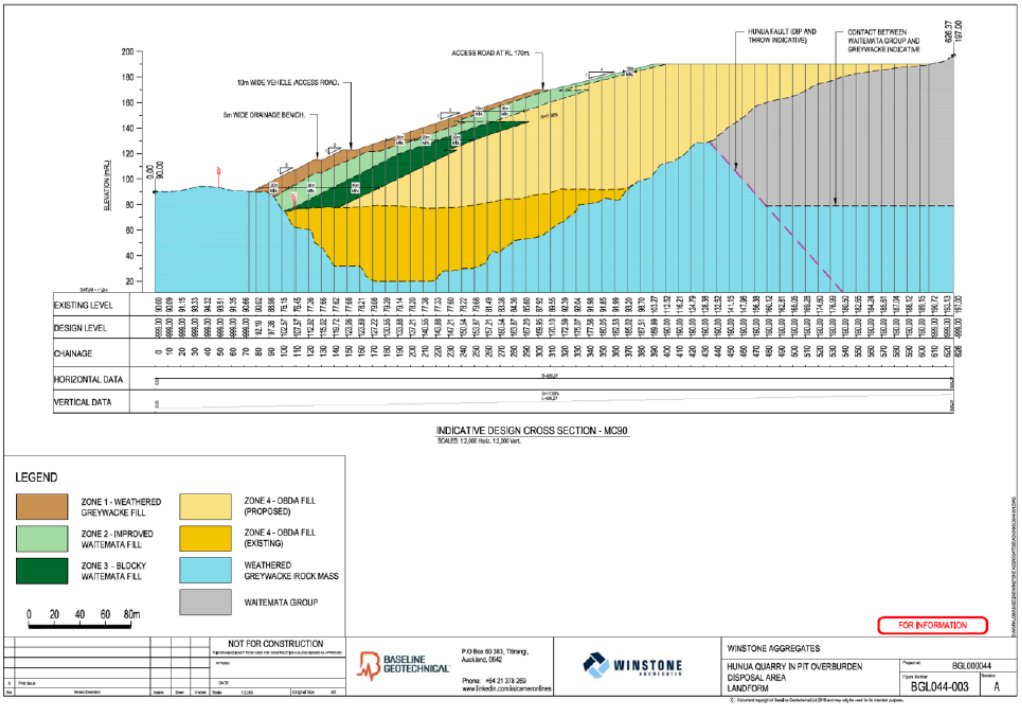


Figure 5 – Proposed overburden/clean fill cross section

- The placement of the fill is expected to take up to five years to complete. Following completion of the back filling it is proposed to cover the managed fill with a minimum thickness of cleanfill or overburden to leave the site stable, safe, and fit for subsequent use in the longer term.

Background

Specialist Input

The application was reviewed by the following Council specialists:

- Maria Baring & Ken Khanh, Development Engineer
- Frank Havel, Principal Geotechnical Engineer
- Fiona Rudsits, Specialist – Contamination, Air & Noise
- Andrew Gordon, Noise Specialist
- Steve Bryant, Consultant Regional Earthworks Specialist

3. Reasons for the application(s)

Land use consent (s9) – LUC60356962

Auckland Unitary Plan (Operative in part)

Special purpose – Quarry zone

- Mineral Extraction Activities require consent as a **Controlled Activity** pursuant to H28.4.1(A7). The definition of mineral extraction activities includes managed fill and removal and depositing of overburden disposal.

Discharge Permit (s14) – DIS60356961

Auckland Unitary Plan (Operative in Part)

E13 Cleanfills, managed fills and landfills

- The application complies with Controlled Activity Standard E13.6.2.2, therefore the proposed importation of Managed Fill is considered to be a **Controlled Activity** under Rule E13.4.1(A4).

Advice Notes

- With regards to the land disturbance activities outlined by H28.4.1(A14) – (A17), these have been previously assessed and consented. The proposed managed fill will not increase the consented earthworks amounts (both area and volume).

- Pursuant to H28.4.1(A10) Rehabilitation of quarries using cleanfill or managed fill is a Permitted Activity.

- With regards to the consented managed fill of up to 90LR, a discharge consent was granted in association with the consented manged fill. As such, this application only assesses additional discharge relating to this proposal.

- With regards to E27 Transport matters, these are assessed and consented by the previous consents. The proposal seeks to operate within the consented traffic controls (including operation hours, volume and routes). No physical alterations are sought to the traffic arrangements of the site, including the access and parking areas.

- The quarry pit is excluded from the definitions of overland flow path and floodplain. In addition, mineral extraction activities are identified as flood tolerant activities. Therefore, the filling of the pit is not subject to E36 provisions.

4. Status of the applications

In this instance the coastal permits overlap and are considered together as a **controlled activity** overall.

5. Decision

I have read the application, supporting documents, and the recommendation on the application for resource consent. I am satisfied that I have sufficient information to consider the matters required by the Resource Management Act 1991 (RMA) and make a decision under delegated authority on the application.

Acting under delegated authority, and for the reasons set out below, under sections 95A and 95C to 95D, and 95B and 95E to 95G of the RMA this application shall be processed **non-notified**.

Acting under delegated authority, under sections 104, 104A and Part 2 of the RMA the resource consent is **GRANTED**.

6. Reasons

The reasons for this decision are:

1. In accordance with an assessment following the steps set out in sections 95A and 95C to 95D the application need not be publicly notified because:

    a. Under step 1, public notification is not mandatory as the applicant has not requested it, there are no outstanding or refused requests for further information, and the application does not involve any exchange of recreation reserve land under s15AA of the Reserves Act 1977.

    b. Under step 2, public notification is precluded as the application is exclusively for controlled activity resource consent.

    c. Step 3 is not applicable given public notification being precluded by step 2.

    d. Under step 4, there are no special circumstances to warrant public notification because the activity of mineral extraction and managed filling currently occurs on the site and is an expected activity to occur within the zone.

2. In accordance with an assessment following the steps set out in sections 95B and 95E to 95G the application need not be limited notified because:

    a. Under step 1, limited notification is not mandatory as there are no protected customary rights groups or customary marine title groups affected by the proposed activity, nor any affected person to whom a statutory acknowledgement is made under schedule 11.

    b. Under step 2, limited notification is precluded by notification rules H28.5.(1) and E13.5(1) in the Auckland Unitary Plan (Operative in Part

    c. Step 3 is not applicable given limited notification is precluded by step 2.

    d. Under step 4, there are no special circumstances to warrant public notification because the activity of mineral extraction and managed filling currently occurs on the site and is an expected activity to occur within the zone.

3. The application is for controlled activity resource consent, and as such under s104A only those matters over which council has reserved its control have been considered. Those matters are:

    - H28.7.1: Special purpose – quarry zone

        (1) mineral extraction activities:

            (a) traffic and access;

            (b) visual amenity; and

            (c) site rehabilitation.

- E13.7.1(2) discharges from managed fills:

  (a) the adequacy of the site investigation report including:

  (i) appropriateness of the site;

  (ii) risk assessment; and

  (iii) discharge and contaminant limits.

  (b) the adequacy of the site management plan including:

  (i) operation of the site;

  (ii) placement and compaction of managed fill material;

  (iii) managed fill acceptance criteria;

  (iv) daily operating procedures;

  (v) environmental controls and monitoring;

  (vi) response to natural hazards and unexpected discharges; and

  (vii) conditioning of wet material.

  (c) the adequacy of the proposed site operation records including:

  (i) load inspection records; and

  (ii) monitoring, testing and sampling documentation.

  (d) siting and methods to avoid, remedy or mitigate adverse effects on lakes, rivers, streams, wetlands, groundwater and the coastal marine area.

4. In accordance with an assessment under s104(1)(a) and (ab) of the RMA the actual and potential effects from the proposal will be mitigated to the existing environment because:

   a. The applicant has provided a Fill Management Plan (FMP) that outlines appropriate management procedures to mitigate the environmental effects of the proposed deposition of managed fill. Particularly, it is proposed to implement dust, stormwater and sediment control procedures and sampling of fill material prior to its placement into the former quarry pit. The FMP was reviewed by Ms. Rudsits who has confirmed that the FMP is adequate and any adverse environmental effects will be acceptable.

   b. The FMP has adopted fill acceptance criteria which will be achieved through ensuring loads coming onto the site are pre-approved by way of requiring a Preliminary or Detailed Site Investigation, and accepting large volume batches of fill coming from the same source site. Validation samples are also to be collected at a rate of 1 sample per 500m^3 of the material imported to the site. It is also noted that the managed fill will be covered by a layer of cleanfill at least one metre deep at the final ground surface.

   c. The FMP sets out specific rejection procedures for unacceptable loads that are brought onto the site. This was reviewed and confirmed acceptable by Ms. Rudsits.

   d. Groundwater/surface water monitoring will be undertaken annually at four locations, should discharge to Hay's Stream recommence. The FMP outlines contingency measures

in case of the exceedance of the adopted trigger levels. This is also assessed as acceptable by Ms. Rudsits.

e. The applicant has proposed to produce a record of the filling activities, including a site register, complaints register, and fill declaration records.

f. The Site Closure Report will be completed and provided following the filling operations to validate compliance with the FMP.

g. The traffic generated in terms of the proposed operations is internal for the disposal of overburden from Symonds Hill and external from the disposal of cleanfill and managed fill from any development within the Auckland region. Ms. Baring has concluded that the truck movements have the benefit of maximising efficient use in accessing the quarry for disposal of cleanfill and managed fill and sourcing aggregates thus decreasing the length of truck trips. In this manner, there is efficient functioning of truck trips thus provide safe traffic generation by the activity with the surrounding road network.

h. There are no changes to the existing entry and exit access points and any traffic controls outside the subject site will be operated in accordance with the previously approved resource consents.

i. The overburden and fill material will be developed in the Hunua Pit in accordance with the recommendations made within the provided Geotechnical Design Report. Ms. Baring, following review of the report has concluded that they are acceptable.

j. It is also noted that the proposed altered topography and contour lines will not adversely affect flooding and stormwater related natural hazard risks of the site, or of the surrounding environment.

k. Mr. Bryant has reviewed the provided Erosion and Sediment Control Plan (ESCP) and confirmed it is acceptable, subject to consent conditions. In particular, while the ESCP contravenes with some of the widely accepted and adopted *Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region* (GD05) standards, the applicant has demonstrated that these contraventions will not cause any adverse environment effects. In particular, an existing stormwater pond will have energy dissipation sump prior to water entering forebay, increasing effectiveness of forebay. Further, the pond will contain a central baffle to create an additional stormwater travelling distance, and the pond provides a greater storage than GD05 prescribes. Upon considering these characteristics, as well as other recommendations and evidence presented in the provided ESCP, Mr. Bryant has confirmed that the proposed erosion and sediment control measures are acceptable.

l. While the increased height of the Hunua Pit will be partially visible beyond the subject site as the area is adjacent to Hunua Road, the surrounding landforms within the subject site will be higher than, or similar to, the maximum height of the proposed fill. Hunua Pit has been utilised as a managed fill site for the past several years, and further managed fill over this area is considered to be within the anticipation of the site use under the AUP provisions. It is also noted that the closest residential building is over 400m away from the fill site, creating the visual separation for the nearby residential properties.

m. Mr. Gordon has reviewed the proposal and confirmed that given the setback distances from the pit and the significant screening provided by ground contour, the relevant AUP

noise limits will be met with a good safety allowance. In particular, towards the end of the filling operation some of the machineries may lose an “acoustic line of sight” and them operating may be audible to nearby residential receivers. However, due to the separation distance, topography and dense vegetation, and compliance with the AUP standards Mr. Gordon has concluded that any noise effects will be acceptable.

n. In terms of positive effects, the proposal will provide further capacity for the overburden from the quarry allowing the quarry to continue mining, ensuring that the supply of aggregates for the Auckland market, which has a high demand for the commodity; and

o. There are no specific offsetting or environmental compensation measures within the matters of control proposed or agreed to by the applicant.

Overall, it is considered on balance that any actual or potential effects generated by the proposal are acceptable within the context and character of the surrounding environment.

5. In accordance with an assessment under s104(1)(b) of the RMA the proposal is consistent with the relevant statutory documents, being the Auckland Unitary Plan (Operative in Part), and in particular:

a. The proposed activities meet the relevant controlled activity standards within the Special Purpose – Quarry Zone and the Managed Fill Chapters contained in H28.6.2 and E13.6.2; and

b. The proposal meets the relevant criteria contained within the Special purpose – quarry zone and the Managed Fill chapters contained in H28.7.2 and E13.7.2 respectively as follows:

i. With regards to the criteria for the Special purpose – Quarry zone the effects of the cleanfill operation pertaining to traffic and access, visual amenity, water quality, ecological health, erosion, sedimentation are mitigated as discussed above.

ii. With regards to the cleanfill discharge the proposed management plans are consistent with the current operation and these meet Council’s standards and are considered adequate by Council’s specialists.

c. The proposal meets the relevant objectives and policies contained within the Special purpose – quarry zone and the Managed Fill chapters contained in H28.2 & H28.3, E133.2 & E13.3, as follows;

i. All adverse effects on environment have been assessed as acceptable, as per the above 104(1)(a) assessment.

ii. Human health is protected, as detailed by the above 104(1)(a) assessment. In particular, sufficient measures to protect human health have been outlined in the provided FMP and ESCP.

iii. The proposed operation is in alignment with the intention of the Quarry Zone use, and efficiency of the mineral extract and managed fill operations are ensured by the proposed mitigation measures and procedures.

iv. The fill site will be adequately rehabilitated following the proposed operation.

v. Any adverse traffic effects will be within the parameters of the underlying consents.

vi. Any adverse visual amenity and character, including that of noise, dust and vibration will be within the zone anticipation, or are sufficiently mitigated.

vii. With regards to cultural effects, these are considered acceptable as the managed fill area will be over the existing fill pit, and any change in topography and character of the area will be consistent with what is expected within the zone. Furthermore, the applicant has demonstrated that they do consult and communicate with the relevant mana whenua groups on regular bases, which is also mandated by the previous resource consents.

6. As a controlled activity, the other matters that can be considered under s104(1)(c) of the RMA must relate to the matters reserved for control under the plan. In this case, there are no other relevant matters.

7. The relevant statutory documents above were prepared having regard to Part 2 of the RMA and capture all relevant planning considerations and contain a coherent set of policies designed to achieve clear environmental outcomes. They provide a clear framework for assessing all relevant potential effects from the proposal, and thus there is no need to go beyond these provisions and look to Part 2 in making this decision, as an assessment against Part 2 would not add anything to the evaluative exercise.

8. Overall the proposal is considered to an appropriate activity on the subject site due to the existing infrastructure and operations that minimise effects of the managed fills on persons, adjacent sites and the natural environment. Furthermore, the site is zoned for quarrying activities and managed filling forms part of quarry operations.

7. Conditions

Under sections 108 and 108AA of the RMA, this consent is subject to the following conditions:

1. This resource consent shall be carried out in accordance with the documents and drawings and all supporting additional information submitted with the application, detailed below, and all referenced by the council as resource consent number LUC60356962 and DIS60356961 (BUN60356960).

    - Application Form, and Assessment of Environmental Effects *"Assessment of Environmental Effects - Overburden Disposal Area and Managed Fill Operation"* dated March 2020 and prepared by Tollemache Consultants Ltd.

Report title and reference	Author	Dated
Hunua Fill Management Plan	Winstone Aggregates	July 2019
Geotechnical Design Report Hunua Quarry In Pit Overburden Disposal Area	Baseline Geotechnical	18/12/2019
Annual Sediment and Erosion Control Management Plan	Winstone Aggregates	August 2020
Noise Assessment	Marshall Day Acoustics	12 February 2020
Hunua Quarry Management Plan	Winstone Aggregates	March 2020

Drawing title and reference	Sheet No	Author	Date
Additional Catchment when buttress/Cleanfill built to RL 115m	4	Winstone Aggregates	24/06/2020
Additional Catchment when buttress/Cleanfill built to RL 115m	4b	Winstone Aggregates	24/06/2020
Additional Catchment when buttress/Cleanfill built to RL 125m	5	Winstone Aggregates	24/06/2020
Additional Catchment when buttress/Cleanfill built to RL 125m	5b	Winstone Aggregates	24/06/2020
Additional Catchment when buttress/Cleanfill built to RL 150m	6	Winstone Aggregates	24/06/2020
Additional Catchment when buttress/Cleanfill built to RL 150m	6b	Winstone Aggregates	24/06/2020
Additional Catchment when buttress/Cleanfill built to RL 170m	7	Winstone Aggregates	24/06/2020
Additional Catchment when buttress/Cleanfill built to RL 170m	7b	Winstone Aggregates	24/06/2020
Additional Catchment when buttress/Cleanfill built to RL 190m	8	Winstone Aggregates	24/06/2020
Additional Catchment when buttress/Cleanfill built to RL 190m	8b	Winstone Aggregates	24/06/2020
Hunua Quarry in Pit Overburden Disposal Area Landform	BGL044-001	Baseline Geotechnical	-
Hunua Quarry in Pit Overburden Disposal Area Landform	BGL044-002	Baseline Geotechnical	-
Hunua Quarry in Pit Overburden Disposal Area Landform	BGL044-003	Baseline Geotechnical	-
Hunua Quarry in Pit Overburden Disposal Area Landform	BGL044-004	Baseline Geotechnical	-
Hunua Quarry in Pit Overburden Disposal Area Landform	BGL044-005	Baseline Geotechnical	-
Hunua Quarry in Pit Overburden Disposal Area Landform	BGL044-006	Baseline Geotechnical	-

2. Under section 125 of the RMA, this consent lapses five years after the date it is granted unless:

   a. The consent is given effect to; or

   b. The council extends the period after which the consent lapses.

3. The consent holder shall pay the council an initial consent compliance monitoring charge of $1015 (inclusive of GST), plus any further monitoring charge or charges to recover the actual and reasonable costs that have been incurred to ensure compliance with the conditions attached to this consent.

   Advice note:

   The initial monitoring deposit is to cover the cost of inspecting the site, carrying out tests, reviewing conditions, updating files, etc., all being work to ensure compliance with the resource consent. In order to recover actual and reasonable costs, monitoring of conditions, in excess of those covered by the deposit, shall be charged at the relevant hourly rate applicable at the time. The consent holder will be advised of the further monitoring charge. Only after all conditions of the resource consent have been met, will the council issue a letter confirming compliance on request of the consent holder.

4. Consents LUC60356962 and DIS60356961 shall expire ten (10) years after the date they are granted unless they have been surrendered or been cancelled at an earlier date pursuant to the RMA.

5. The Team Leader Monitoring Compliance South, (Council) shall be notified in writing at least five (5) days prior to the commencement of the proposed importation works commencing on the subject site.

6. All personnel working on the site shall be made aware of and have access to the contents of this consent document and the associated approved plans and reports.

Discharge

7. At least ten (10) days prior to the importation of Managed Fill onto the site an updated Fill Management Plan shall be provided to the Council for review and approval. The FMP shall be prepared by a suitably qualified and experienced contaminated land professional in accordance with the Ministry for the Environment publication titled Contaminated Land Management Guidelines No.1 Reporting on Contaminated Sites in New Zealand (revised 2011). The FMP shall be updated to include and asbestos (presence/absence) in accordance with the frequency for random sampling outlined in the most recent version of Hunua Quarry Fill Management Plan.

8. The Managed Fill operation shall be managed to minimise any discharge of debris, soil, silt, sediment or sediment-laden water from the subject site to either land, stormwater drainage systems, watercourses or receiving waters.

   Erosion and sediment control measures shall be installed in accordance with the approved Erosion and Sediment Control Plan and supporting documents referenced in Condition 1. The fill areas shall be dampened during the day, where necessary to suppress the generation of dust during the works. Stabilised exits shall be established to

avoid the potential for sediment to leave the site on vehicle tyres and enter the existing stormwater system.

All necessary action shall be taken to prevent dust generation and sufficient dust suppression measures shall be put in place to avoid dust formation, in accordance with the procedures set out in a publication titled Good Practice Guide for Assessing and Managing Dust, Ministry for the Environment (2016).

Advise note:
Discharges from the site includes the disposal of water (e.g perched groundwater or collected stormwater) from excavations.

9. Stockpiling of the imported material outside the filling area shall be avoided, unless the imported material has been placed in the quarantine area and is awaiting laboratory results confirming acceptance or rejection of the load. Temporary stockpiles within the quarantine area shall be positioned within the catchment of erosion and sediment controls for the site and covered with an impermeable material when the site is not being worked on and during periods of heavy rain.

10. All imported managed fill shall not contain hazardous substances other than those provided by in the Managed fill acceptance criteria for Hunua Quarry Table 1 of the approved Fill Management Plan referenced in Condition 1.

11. All imported managed fill originating from a site on the Hazardous Activities and Industries List (HAIL) defined in the Ministry of the Environment publication Contaminated Land Management Guidelines (revised 2011) shall be accompanied by a laboratory report confirming the managed fill meets acceptance criteria in Table 1 of the approved Fill Management Plan.

12. Should any incoming loads of fill either be suspected of containing unacceptable material or found to contain unacceptable material, the relevant rejection procedures set out in the Fill Management Plan referenced in Condition MF.1, shall be implemented

13. All other imported cleanfill or topsoil shall:

    i. Comply with the definition of 'Clean fill material' as set out in the Auckland Unitary Plan (Operative in Part).

    ii. Be solid material of an inert nature; and

    iii. Not contain hazardous substances or contaminants above natural background levels of the receiving site.

    Background levels for the Auckland Region can be found in the Auckland Regional Council technical publication TP153, Background concentrations of inorganic elements in soils from the Auckland Region (2001).

14. Incoming Managed Fill entering Hunua Quarry, shall be sampled in accordance with the frequency and methodology outlined in the most recent version of Hunua Quarry Fill Management Plan referenced in Condition 1, and also include Asbestos presence/absence testing.

15. All sampling and testing of imported fill shall be overseen by a suitably qualified and experienced contaminated land professional. All sampling shall be undertaken in accordance with Ministry for the Environment's Contaminated Land Management Guidelines, Number 5 – Site Investigation and Analysis of Soils, (revised 2011).

    Advice Note:
    In accordance with sampling and testing required by Condition MF.10, in order to comply with the Ministry for the Environment publication Contaminated Land Management Guidelines (revised 2011), all testing and analysis should be undertaken in a laboratory with suitable experience and ability to carry out the analysis. For more details on how to confirm the suitability of the laboratory please refer to Part 4: Laboratory Analysis, of Contaminated Land Management Guidelines No.5.

16. Groundwater monitoring shall be undertaken in accordance with the Fill Management Plan referenced in Condition 1.

17. Surface water and sediment monitoring shall be undertaken in accordance with the Fill Management Plan referenced in Condition 1.

18. An annual compliance report (ACR) shall be provided to the Council for review by 30 June each year. The ACR shall be prepared by a suitably qualified and experienced contaminated land professional in accordance with the Ministry for the Environment publication Contaminated Land Management Guidelines, No.1 Reporting on Contaminated Sites in New Zealand (revised 2011). The ACR should contain sufficient detail to address the following matters:

    a. a summary of the works undertaken including a plan indicating disposal areas and volume of managed fill imported onto site, and a statement confirming whether the importation of managed fill has been completed in accordance with the Fill Management Plan;

    b. a summary of soil testing undertaken, including both pre-validation and verification, including laboratory transcripts, and interpretation of the results against the managed fill acceptance criteria;

    c. a summary of groundwater, surface water and sediment quality monitoring, including laboratory transcripts, interpretation of the results against the trigger levels, and a discussion on the implementation of contingency measures (if required);

    d. details on the proposed filling and associated earthworks over the next 12 months.

    e. details of any material removed (rejected) off site including disposal dockets; and

    f. details regarding any accidental petroleum spills, complaints and/or breaches of the procedures set out in the Fill Management Plan and the conditions of this consent.

19. At least twelve (12) months prior to the completion of the importation of Managed Fill on site, a Site Closure Plan (SCP) shall be provided to the Council for review and approval.

The SCP should contain sufficient detail to address the following matters:

a. details on the final form, and final capping layer;

b. details on the proposed final use of the site;

c. details on the decommissioning of sediment and stormwater controls, including sampling procedures to be undertaken within the sediment pond following decommissioning of the pond, and proposed disposal options; and

d. details on the requirement for aftercare monitoring and/or management of the managed fill site post closure

20. Within three (3) months of the completion of the importation of Managed Fill and Cleanfill on site, a Site Closure Report (SCR) shall be provided to the Council for review. The SCR shall be prepared by a suitably qualified and experienced contaminated land professional in accordance with the Ministry for the Environment publication Contaminated Land Management Guidelines, No.1 Reporting on Contaminated Sites in New Zealand (revised 2011). The SCR should contain sufficient detail to address the following matters:

a. a summary of the works undertaken, including a surveyed plan of the finished level, volume of managed fill imported onto site, detail on the final capping layer and a statement confirming whether the importation of managed fill has been completed in accordance with the Fill Management Plan;

b. a summary of results of all fill sampling undertaken, and interpretation of the results against the managed fill acceptance criteria;

c. total volume of rejected fill material removed off site including disposal dockets; and

d. a summary of all groundwater, surface water and sediment monitoring results, and interpretation of the results against the trigger levels and discussion on the implementation of contingency measures;

e. a summary of sediment pond sampling results, and interpretation of the results against the acceptance criteria and discussion of the disposal location of the sediment; and

f. details on ongoing monitoring and/or management of the managed fill cap (if required).

21. Upon abandonment or completion of earthworks / cleanfilling on the subject site, all areas of bare earth shall be permanently stabilised against erosion to the satisfaction of the Council.

Advice note:

Measures may include:

- *the use of mulching*
- *top-soiling, seeding and mulching of otherwise bare areas of earth*
- *aggregate or vegetative cover that has obtained a density of more than 80% of a normal pasture sward*

The on-going monitoring of these measures is the responsibility of the consent holder. It is recommended that you discuss any potential measures with the Council's monitoring officer who will guide you on the most appropriate approach to take. Please contact the Team Leader – Compliance Monitoring South, Auckland Council for more details. Alternatively, please refer to Auckland Council Guidance Document Number 005, Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region (GD05).

Geotechnical

22. The land modification works proposed shall be undertaken in a manner which ensures that the land within the site and adjoining road remain stable at all times. In this regard the consent holder shall employ a suitably qualified civil / geotechnical engineer to investigate, direct and supervise land modification works, particularly in close proximity to the adjoining road to ensure that the appropriate design and construction methodology is in accordance with the approved Geotechnical Design Report: Hunua Quarry in Pit Overburden Disposal Area referenced no. BGL000044-V1.0 dated 18 December 2019 and carried out to maintain the short and long term stability of the site and surrounds.

23. The overburden and fill material shall be developed in accordance with the Geotechnical Design Report: Hunua Quarry in Pit Overburden Disposal Area referenced no. BGL000044-V1.0 dated 18 December 2019 and shall be supervised by a suitably qualified engineering professional. In supervising the works, the suitably qualified engineering professional shall ensure that the works are constructed and otherwise completed in accordance with the approved plans forming part of the application.

24. Certification confirming that the works have been completed in accordance with approved plans within ten (10) working days following completion of the desired level per stage shall be provided to and approved by the Council. Written certification shall be in the form of a Geotechnical Completion Report acceptable to Council.

Erosion and Sediment Control

25. The operational effectiveness and efficiency of all erosion and sediment control measures specifically required as a condition of resource consent or by the erosion and sediment control plans referred by Condition 1 shall be maintained throughout the duration of earthworks and cleanfilling activity, or until the site is permanently stabilised against erosion. A record of any maintenance work shall be kept and be supplied to the Team Leader - Compliance Monitoring South upon request.

26. In accordance with the approved Annual Erosion and Sediment Control Plan referenced in Condition 1, the updated SRP-A and a detailed plan(s) of the proposed upgrade shall be provided to and approved by Council within six (6) months following the date of this consent being granted.

    Advice Note:
    The purpose of this condition is to enable Council specialists to confirm that the upgrades to the SRP-A meet GD05 efficiency expectations (including the design/construction of the baffles, required to gain 3:1 length to width ratio and an appropriate Emergency Spillway provision, or equivalent of by utilising Baffles as per GD05 standards)

27. The Appendix A of the approved Annual Erosion and Sediment Control Plan referenced in

Condition 1 (*Hunua Pit OBDA / Managed Fill, Erosion and Sediment Control Plan*) shall be updated annually in accordance with the annual Erosion and Sediment Control Plan included in the Quarry Management Plan (required in accordance with Resource Consent 32151)

Noise

28. Noise from managed fill activities must not exceed the noise limits below when measured within the notional boundary of any dwelling that existed at 1 January 2001 outside the Special Purpose – Quarry Zone.

Times	***Noise levels***
7am-9pm, Monday to Friday	L_{Aeq} *55dB*
7am-4pm, Saturday	L_{Aeq} *55dB*
All other times and on public holidays	L_{Aeq} *45dB* L_{AFmax} *75dB*

29. Noise from managed fill activities must not exceed the noise limits below when measured at the Quarry Effects Line as shown in AUP (OP) Figure H28.6.2.1.1 Hunua quarry effects line.

Times	***Noise levels***
7am-6pm, Monday to Friday	$L_{Aeq(15min)}$ *65dB*
7am-4pm, Saturday	$L_{Aeq(15min)}$ *65dB*
All other times and on public holidays	$L_{Aeq(15min)}$ *45dB* L_{AFmax} *75dB*

30. Noise levels arising from managed fill activities must be measured and assessed in accordance with the New Zealand Standard NZS 6801:2008 Measurement of environmental sound and the New Zealand Standard NZS 6802:2008 Acoustics - Environmental noise.

Advice Note:

The notional boundary is a line 20m from any side of a building containing an activity sensitive to noise, or the legal boundary where this is closer to the building.

The consent holder is reminded of their general obligation under section 16 of the Resource Management Act 1991 to adopt the best practicable option to ensure that the emission of noise from the managed fill site does not exceed a reasonable level.

8. Advice notes

1. *Any reference to number of days within this decision refers to working days as defined in s2 of the RMA.*

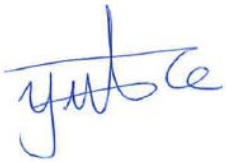
2. *For the purpose of compliance with the conditions of consent, "the council" refers to the council's monitoring inspector unless otherwise specified. Please email monitoring@aucklandcouncil.govt.nz to identify your allocated officer.*

3. *For more information on the resource consent process with Auckland Council see the council's website: www.aucklandcouncil.govt.nz. General information on resource consents, including making an application to vary or cancel consent conditions can be found on the Ministry for the Environment's website: www.mfe.govt.nz.*

4. *If you disagree with any of the above conditions, and/or disagree with the additional charges relating to the processing of the application(s), you have a right of objection pursuant to sections 357A and/or 357B of the Resource Management Act 1991. Any objection must be made in writing to the council within 15 working days of your receipt of this decision (for s357A) or receipt of the council invoice (for s357B).*

5. *The consent holder is responsible for obtaining all other necessary consents, permits, and licences, including those under the Building Act 2004, and the Heritage New Zealand Pouhere Taonga Act 2014. This consent does not remove the need to comply with all other applicable Acts (including the Property Law Act 2007 and the Health and Safety at Work Act 2015), regulations, relevant Bylaws, and rules of law. This consent does not constitute building consent approval. Please check whether a building consent is required under the Building Act 2004.*

Decision prepared by:



Yuto Tsuchiya
Intermediate Planner
Resource Consents

Date: 7 September 2020

Delegated decision maker:

Name: **Colin Hopkins**

Title: **Principal Project Lead, Premium Resource Consents**

Signed:

Date: **7 September 2020**

Resource Consent Notice of Works Starting

Please email this form to **monitoring@aucklandcouncil.govt.nz at least *5* days prior to work starting** on your development or post it to the address at the bottom of the page.

Site address:				
AREA (please tick the box)	**Auckland CBD** ☐	**Auckland Isthmus** ☐	**Hauraki Gulf Islands** ☐	**Waitakere** ☐
Manukau ☐	**Rodney** ☐	**North Shore** ☐	**Papakura** ☐	**Franklin** ☐
Resource consent number:		**Associated building consent:**		
Expected start date of work:		**Expected duration of work:**		

Primary contact	Name	Mobile / Landline	Address	Email address
Owner				
Project manager				
Builder				
Earthmover				
Arborist				
Other (specify)				

Signature: Owner / Project Manager (indicate which)	**Date:**

Once you have been contacted by the Monitoring Officer, all correspondence should be sent directly to them.

SAVE $$$ minimise monitoring costs!

The council will review your property for start of works every three months from the date of issue of the resource consent and charge for the time spent. You can contact your Resource Consent Monitoring Officer on 09 301 0101 or via monitoring@aucklandcouncil.govt.nz to discuss a likely timetable of works before the inspection is carried out and to avoid incurring this cost.

Decision on an application for resource consent under the Resource Management Act 1991

Discretionary activity

Application number(s):	DIS60362882
Applicant:	Fletcher Concrete and Infrastructure Limited
Site address:	255 Middleton Road Drury Auckland 2113
Legal description:	Lot 1 DP 60065

Proposal:

To construct a new sediment detention pond and discharge point to a nearby watercourse, within the Special Purpose - Quarry Zone.

Resource consent is required for the following reasons:

Discharge consent (s15) – DIS60362882

Auckland Unitary Plan (Operative in part)

E4 Other discharges of contaminants

- Resource consent is required as a **discretionary activity** for the discharge of water or contaminants onto or into water not otherwise provided for by a rule in the AUP(Operative in part), pursuant to rule E4.4.1(A15) to authorise the discharge from the proposed pond via the drainage channel to the receiving watercourse.

Decision

I have read the application, supporting documents, and the report and recommendations on the application for resource consent. I am satisfied that I have adequate information to consider the matters required by the Resource Management Act 1991 (RMA) and make a decision under delegated authority on the application.

Acting under delegated authority, under sections 104, 104B and Part 2 of the RMA, the resource consent is **GRANTED**.

Reasons

The reasons for this decision are:

1. In accordance with an assessment under ss104(1)(a) and (ab) of the RMA, the actual and potential effects from the proposal will be acceptable as:

    a. With regards to functionality of the proposed SRPs, a length to width ratio of 2.5 to 1 is

considered sufficient to cater for a 3ha catchment area. An extensive annual water quality monitoring reporting to Council is also considered appropriate. Dirty Water Drains/Bunds and Clean Water Diversions will ensure any sediment runoff / upper catchment flows are safely diverted to the SRP. Provision of a Chemical Treatment Management Plan (CTMP) has also been agreed to by the applicant. Overall, due to these reasons, proposed SRPs and other proposed mechanism are sufficient to treat water quality before being discharged to the surrounding stream network, and therefore any adverse effects associated with the discharge including water quality and ecological effects will be acceptable.

b. There are no works to be undertaken within the Symonds Stream tributary, or within a Stream Management Area Overlay. Majority of the works will be undertaken within an existing pit, and any vegetation clearance will be minimum. Adequate erosion and sediment control measures will be employed prior to works commencing. As such the proposed works will not adversely affect the surrounding environment.

c. With regards to visual amenity and landscaping effects of the proposal, as SRPs are proposed within the existing pit and no major vegetation clearance is proposed. Sufficient separation is afforded between the proposed work areas and residential curtilages of neighbouring properties. Visual screening is provided by the protected, well established native vegetation. As such any adverse visual effects are considered to be less than minor.

d. With regards to cultural effects, there is no works to be undertaken within the Symonds Stream tributary, or Stream Management Area Overlay. Majority of the works will be undertaken within an existing pit, and any vegetation clearance will be minimum. Adequate erosion and sediment control measures will be employed prior to works commencing. Council's specialist has concluded that the proposed SRP design and other proposed mechanism are adequate to retain and treat any sediment runoff before being discharged to the stream. The applicant has agreed to a number of consent conditions on monitoring programme, including ecological survey and annual discharge quality monitoring. Further to this, there is no known sites of significance over the proposed work areas. For these reasons, any cultural effects are considered acceptable.

e. In terms of positive effects, the new SRP system will allow for more efficient quarry operation within the existing Symonds Hill Pit.

f. With reference to s104(1)(ab), there are no specific offsetting or environmental compensation measures proposed or agreed to by the applicant to ensure positive effects on the environment.

2. In accordance with an assessment under s104(1)(b) of the RMA, the proposal is consistent with the relevant statutory documents. In particular, the following matters are considered relevant:

<u>Auckland Unitary Plan (operative in part).</u>

E4. Other discharges of contaminants & E1 Water quality and integrated management

The proposal is consistent with the objectives and policies of Chapter E1. Water quality and integrated management (E1.2 and E1.3) for the following reasons:

The proposed SRP and associated stormwater management systems adequately collect, manage and treat stormwater and sediment runoff, and the site provides sufficient capacity for extreme rainfall events. As such, any overflow to the wider environment will be negligible and will be sufficiently managed within the site. Freshwater and sediment quality will therefore not be adversely affected. Public health and safety will not be adversely affected for the same reasons. It is assessed by Council's specialist that the proposed on-site management is the best practicable option for the site. There are no adverse cultural effects due to the adequacy of the proposed management system and minimal works required to be undertaken.

3. As a discretionary activity, the following other matters are considered relevant:

National Policy Statement: Freshwater Management 2020 (NPS FM)

The proposal is consistent with the objectives and policies outlined under Part 2 of the NPS FM. In particular, the proposed SPR and associated management systems are adequate to manage any stormwater runoffs, and any stormwater overflows will be negligible and will be managed adequately within the site. This ensures that health and well-being of water bodies and freshwater ecosystems, as well as cultural values of the area, are protected. The area where new SRPs will be established is over an existing pit and does not contain any watercourses or wetlands.

Matters relevant to discharge or coastal permits, and restrictions on certain permits: Sections 105 & 107 Resource Management Act 1991

The provisions of Section 105 have been met as it has been determined that there are no adverse effects on the receiving environment as concluded in earlier sections of 104 assessments. It has been assessed that the applicant's reasons for the proposed choice of management system are appropriate in the circumstances and regard has been had to alternative methods of discharge applicable in this case.

Section 107(1) of the RMA places restrictions on the granting of certain discharge permits that would contravene Sections 15 or 15A of the RMA. The proposal will not give rise to any of the effects listed in Section 107(1).

Duration of consent: Section 123 Resource Management Act 1991

The RMA provides for a 35-year consent term for diversion and discharge for stormwater consents.

The applicant requested a term of 35 years.

It is appropriate to set a term of 35 years for the diversion and discharge for stormwater because the nature of the activity subject to consent is unlikely to alter during this period, and the ongoing maintenance of the stormwater management systems as required by the recommended conditions of consent will ensure that the required standards continue to be met.

No other matters are considered relevant under s104(1)(c) of the RMA.

4. In the context of this discretionary activity application for discharge consent, where the objectives and policies of the relevant statutory documents were prepared having regard to Part 2 of the RMA, they capture all relevant planning considerations and contain a coherent set of policies designed to achieve clear environmental outcomes. They also provide a clear

framework for assessing all relevant potential effects and there is no need to go beyond these provisions and look to Part 2 in making this decision as an assessment against Part 2 would not add anything to the evaluative exercise.

5. Overall the proposal results in an acceptable level of effects, is not contrary to the relevant objectives and policies of the Auckland Unitary Plan (Operative in Part) as well as other relevant statutory documents, passes the gateway test, and achieves the sustainable management purpose of the RMA under Part 2. As such the consent can be granted.

Conditions

Under sections 108 and 108AA of the RMA, this consent is subject to the following conditions:

1. This consent shall be carried out in accordance with the documents and drawings and all supporting additional information submitted with the application, detailed below, and all referenced by the council as resource consent number DIS60362882.

    - Application Form and Assessment of Environmental Effects prepared by Boffa Miskell, dated 1 September 2020

Report title and reference	Author	Rev	Dated
Construction and Design Documentations	Winstone Aggregates	-	20 August 2020
Annual Sediment and Erosion Control Management Plan	Winstone Aggregates	-	August 2020
Ecological Memorandum	RMA Ecology Ltd	-	17 July 2019
Hunua Quarry - Symonds Stream Discharge Monitoring	RMA Ecology Ltd	-	29 April 2020
S92 Response	Boffa Miskell	-	12 November 2020

Drawing title and reference	Author	Rev	Dated
Overarching Catchments Within Active Quarrying Area	Winstone Aggregates	A	August 2020
RL 150 Future Pitshell Displaying RL 150 Settling Pond Design	Winstone Aggregates	A	August 2020
RL 150 Setting Pond	Winstone Aggregates	A	May 2020
RL 150 Settling Pond Design	Winstone Aggregates	A	May 2020
Proposed Sediment Pond and Proposed Discharge Point - Hunua Quarry	Winstone Aggregates	A	11 November 2020
AUP Zoning	Winstone Aggregates	A	11 November 2020

2. Under section 125 of the RMA, this consent lapses five years after the date it is granted unless:

   a. The consent is given effect to; or

   b. The council extends the period after which the consent lapses.

3. The consent holder shall pay the council an initial consent compliance monitoring charge of $1,020 (inclusive of GST), plus any further monitoring charge or charges to recover the actual and reasonable costs incurred to ensure compliance with the conditions attached to this consent.

   Advice note:

   The initial monitoring deposit is to cover the cost of inspecting the site, carrying out tests, reviewing conditions, updating files, etc., all being work to ensure compliance with the resource consent(s). In order to recover actual and reasonable costs, monitoring of conditions, in excess of those covered by the deposit, shall be charged at the relevant hourly rate applicable at the time. The consent holder will be advised of the further monitoring charge. Only after all conditions of the resource consent(s) have been met, will the council issue a letter confirming compliance on request of the consent holder.

Duration

4. The duration for discharge consent DIS60362882 expires 35 years from the date of commencement, unless it has lapsed, surrendered or been cancelled at an earlier date pursuant to the Resource Management Act 1991.

Notice of Commencement of Works

5. The Team Leader, Compliance Monitoring South (Council) shall be notified at least 5 working days prior to construction activities commencing on the subject site.

Modifications approval

6. In the event that any modifications to the stormwater management system authorised by this consent are required, that will not result in an application pursuant to Section 127 of the RMA, the following information shall be provided to, and approved by, the Council prior to implementation:

   - Plans and drawings outlining the details of the modifications; and
   - Supporting information that details how the proposal does not affect the capacity or performance of the stormwater management system.

   Advice Note:

   All proposed changes must be discussed with the Council, prior to implementation. Any changes to the proposal which decrease the capacity or performance of the stormwater management system may require an application to Council pursuant to Section 127 of the RMA.

PRIOR TO CONSTRUCTION

Final Erosion and Sediment Control Plan

7. Prior to the commencement of any consented earthworks on the subject site, a finalised Erosion and Sediment and Erosion Control Plan must be prepared in general accordance with Auckland Council's Guideline Document 2016/005 Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region (GD05) and those plans and reports referenced in **Condition 1**, and submitted to Council for certification. No earthworks activity on the subject site shall commence until the Council has certified that the ESCP is satisfactory.

Advice Note:

The 'subject site' referred to in Condition 7, is that part of the site subject to works relating to the new discharge point authorised by this consent, and not the entire site of the Hunua quarry.

8. The Erosion and Sediment Control Plan required by **Condition 7** must contain sufficient information to address the following matters:

- Specific erosion and sediment control works for the earthworks, including any procedures for isolating the works area from streams, in general accordance with industry best practice and GD05;
- Supporting calculations, diversion capacities and design drawings;
- Details of construction methods, including the measures to control construction machinery trafficking the bed and banks of the stream;
- Procedures for a concrete spill;
- Monitoring and maintenance requirements of all erosion and sediment controls; and

Advice Note:

In the event that minor amendments to the Erosion and Sediment Control Plan and or Streamworks Methodology are required, any such amendments should be limited to the scope of this consent. Any amendments which may affect the performance of the erosion and sediment controls may require an application to be made in accordance with section 127 of the RMA. Any minor amendments should be provided to the Council prior to implementation to confirm that they are within the scope of this consent.

Chemical Treatment Management Plan

9. Prior to works commencing, a final Chemical Treatment Management Plan (CTMP) shall be submitted to Council for approval. The plan shall include as a minimum:

i. Specific design details of the flocculation system;

ii. A monitoring, maintenance and contingency programme (including a Record Sheet);

iii. Details of optimum dosage (including assumptions);

iv. Results of the initial flocculation trial;

v. A spill contingency plan.

Changes to sediment retention pond configuration on the site may require an updated CTMP to be submitted to the Council for review and certification in accordance with **Condition 6**.

Delineation of Vegetation Clearance

10. Prior to any vegetation clearance, the clearance footprint boundaries should be clearly delineated to avoid accidental clearance of surrounding vegetation, in accordance with the approved Ecological Memorandum referenced in **Condition 1.**

DURING CONSTRUCTION

Erosion and Sediment Control

11. The operational effectiveness and efficiency of all erosion and sediment control measures shall be maintained in general accordance with Auckland Council's Guideline Document 2016/005 Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region (GD05) throughout the duration of earthworks and streamworks activity, or until the site is permanently stabilised against erosion.

12. All erosion and sediment controls at the site of the works shall be inspected on a regular basis and within 24 hours of each rainstorm event that is likely to impair the function or performance of the control measure. A record shall be maintained of the date, time and any maintenance undertaken in association with this condition which shall be forward to the Council on request.

13. The site shall be progressively stabilised against erosion throughout the earthworks phase of the consented activity. Works shall be sequenced to minimise the discharge of contaminants to nearby watercourse.

Advice Note:

Stabilisation measures may include:

- *the use of waterproof covers, geotextiles, or mulching*
- *top-soiling and grassing of otherwise bare areas of earth*
- *aggregate or vegetative cover that has obtained a density of more than 80% of a normal pasture sward*

It is recommended that you discuss any potential measures with the Council's monitoring officer who may be able to provide further guidance on the most appropriate approach to take. Alternatively, please refer to Auckland Council's Guidance Document 005, Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region (GD05).

FOLLOWING CONSTRUCTION

Stabilisation of Site

14. Upon abandonment or completion of earthworks and / or streamworks on the subject site, all areas of bare earth shall be permanently stabilised against erosion to the satisfaction of the Council.

Advice Note:

The 'subject site' referred to in Condition 14, is that part of the site subject to works relating to the new discharge point authorised by this consent, and not the entire site of the Hunua quarry.

Should the earthworks be completed or abandoned, all bare areas of earth shall be permanently stabilised against erosion. Measures may include:

- *the use of mulching*
- *top-soiling, grassing and mulching of otherwise bare areas of earth*
- *aggregate or vegetative cover that has obtained a density of more than 80% of a normal pasture sward*
- *earth-worked banks should be reinstated with biodegradable netting (e.g. coconut fibre) and infill planting of a mix of native riparian plant species that provide bank stabilisation and stream shading.*

The on-going monitoring of these measures is the responsibility of the consent holder. It is recommended that you discuss any potential measures with the Council's monitoring officer who will guide you on the most appropriate approach to take. Alternatively, please refer to Auckland Council's Guideline Document 2016/005 Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region (GD05).

Certification of Works

15. Written confirmation shall be provided to the Council within 10 days of the completion of the construction works, confirming that all works have been completed in accordance with the application documents and conditions of the consent.

Monitoring Programme

<u>Sediment Discharge</u>

16. The Consent Holder shall record rainfall on the site at the same time each working day, when the quarry is operating.

17. The Consent Holder shall carry out the following sampling programme to determine the relative effect that the discharge authorised by this consent may have on the environment.

    A 1 litre grab sample of water shall be collected at the following points when rainfall of 15mm or more has been recorded on the site in the previous 24 hours;

    a) The discharge from all sediment retention ponds prior to discharging to the receiving watercourse.

    b) The receiving watercourse 10m upstream of the most upstream quarry discharge point and 30m downstream of the most downstream quarry discharge point.

    Samples shall be analysed for suspended solids, turbidity and where a sediment retention pond is chemically treated, also analysed for pH.

All samples shall be analysed within one week of collection, in accordance with the latest edition of 'The Standard Methods for the Examination of Water and Wastewater' APHA, AWWA, WPCE, or such other standards as may be approved by the Council.

When water is pumped out of the relevant pit to Symonds Hill pit and discharged to the Symonds Stream tributary at the discharge point authorised by this consent, independently of 15 mm rainfall events, one sample set shall be collected per week to monitor this particular discharge.

Provided a statistically reliable relationship between suspended solids and turbidity can be established through this monitoring, the Council may approve measurement of turbidity only, at the request of the Consent Holder.

18. That the Consent Holder shall ensure that discharges from the quarrying operation, and as a consequence of exercising this consent, do not increase the median suspended sediment concentration of either watercourse by more than 20 % as measured on a quarterly basis. For the purposes of determining compliance with this discharge standard the monitoring points shall be the upstream and downstream monitoring points as detailed in **Condition 17(b)**.

Stream Ecological Survey

20. That the Consent Holder shall ensure that an ecological survey upstream and downstream of the discharge is completed by a suitably qualified and experienced person, to determine the relative effect of the quarry discharges on Symonds Stream and its tributaries. The survey shall be completed within the period commencing 1 January and ending 31 March each year. The ecological survey design and methodology shall be consistent with the sampling method of TP302 with the exclusion of fish fauna intact function. This survey shall be carried out annually for the first five years of this consent being granted, reducing thereafter to once every two years, with the written approval of the Council.

Evaluation & Reporting

19. The Consent Holder shall ensure that, from the date of commencement of this consented activity, rainfall records and the results of the sampling programme for the preceding quarter shall be submitted to the Council by no later than 20 working days after 28 February, 31 May, 31 August and 30 November each year.

If the sampling results or ecological survey indicate that the quarry discharges are adversely affecting the watercourses in an opinion of the Council, the consent holder shall modify the quarry operation and/or implement new water quality control measures to adequately mitigate these effects, and modify the sampling methodology, to the satisfaction of the Council.

Abandoning of Work

20. The Consent Holder shall, in the event of the abandoning of work on-site, first take adequate preventative and remedial measures to control sediment discharge, and shall thereafter maintain those measures for so long as necessary to prevent sediment discharge from the site. All such measures shall be of a type, and to a standard, which are to the satisfaction of the Council.

Consent Review Condition

21. Under section 128 of the RMA the conditions of this consent may be reviewed by the Council at the consent holder's cost within 6 months following the commencement of the activity, and annually thereafter in order:

    a) To deal with any adverse effects on the environment which may arise from the exercise of the consent, where it is appropriate to deal with such effects at a later stage.

    b) To require the Consent Holder to adopt the best practicable option to avoid or mitigate any adverse effect on the environment.

    c) To deal with any other adverse environmental effect, which the exercise of the consent may have an influence on.

    d) To alter the monitoring requirements, including requiring further monitoring, or increasing or reducing the frequency of monitoring and frequency of reporting.

Advice notes

1. *Any reference to number of days within this decision refers to working days as defined in s2 of the RMA.*

2. *For the purpose of compliance with the conditions of consent, "the council" refers to the council's monitoring officer unless otherwise specified. Please email monitoring@aucklandcouncil.govt.nz to identify your allocated officer.*

3. *For more information on the resource consent process with Auckland Council see the council's website: www.aucklandcouncil.govt.nz. General information on resource consents, including making an application to vary or cancel consent conditions can be found on the Ministry for the Environment's website: www.mfe.govt.nz.*

4. *If you disagree with any of the above conditions, and/or disagree with the additional charges relating to the processing of the application(s), you have a right of objection pursuant to sections 357A and/or 357B of the Resource Management Act 1991. Any objection must be made in writing to the council within 15 working days of your receipt of this decision (for s357A) or receipt of the council invoice (for s357B).*

5. *The consent holder is responsible for obtaining all other necessary consents, permits, and licences, including those under the Building Act 2004, and the Heritage New Zealand Pouhere Taonga Act 2014. This consent does not remove the need to comply with all other applicable Acts (including the Property Law Act 2007 and the Health and Safety at Work Act 2015), regulations, relevant Bylaws, and rules of law. This consent does not constitute building consent approval. Please check whether a building consent is required under the Building Act 2004.*

Delegated decision maker:

Name:	Colin Hopkins
Title:	Principal Project Lead, Premium Resource Consents
Signed:	
Date:	27 January 2021

Resource Consent Notice of Works Starting

Please email this form to **monitoring@aucklandcouncil.govt.nz at least *5* days prior to work starting** on your development or post it to the address at the bottom of the page.

Site address:				
AREA (please tick the box)	**Auckland CBD☐**	**Auckland Isthmus☐**	**Hauraki Gulf Islands ☐**	**Waitakere ☐**
Manukau ☐	**Rodney ☐**	**North Shore ☐**	**Papakura ☐**	**Franklin ☐**

Resource consent number:	**Associated building consent:**
Expected start date of work:	**Expected duration of work:**

Primary contact	**Name**	**Mobile / Landline**	**Address**	**Email address**
Owner				
Project manager				
Builder				
Earthmover				
Arborist				
Other (specify)				

Signature: Owner / Project Manager (indicate which)	**Date:**

Once you have been contacted by the Monitoring Officer, all correspondence should be sent directly to them.

SAVE $$$ minimise monitoring costs!

The council will review your property for start of works every three months from the date of issue of the resource consent and charge for the time spent. You can contact your Resource Consent Monitoring Officer on 09 301 0101 or via monitoring@aucklandcouncil.govt.nz to discuss a likely timetable of works before the inspection is carried out and to avoid incurring this cost.

Decision on an application to change/cancel conditions of a resource consent under section 127 of the Resource Management Act 1991

Discretionary activity under section 127(3)

Application number(s):	WAT60152106-A
	WAT60274802-A
Original consent number(s):	WAT60152106 (NRSI 43407 and 36513)
	WAT60274802 (NRSI 34129)
Applicant:	Winstone Aggregates, a division of Fletcher Concrete and Infrastructure Limited
Site address:	255 Middleton Road Drury Auckland 2113
	489 Hunua Road Drury Auckland 2113
	101 Coalmine Road Drury Auckland 2113
Legal description:	LOT 1 DP 60065
	PT ALLOT 79 Parish OF HUNUA, PT ALLOT 79 Parish OF HUNUA, Lot 2 DP 55769
	ALLOT 38 Parish OF HUNUA

Proposal:

To vary existing water take consent conditions, in order to vary an overall water take amount as well as abstraction and discharge points.

Note: For the avoidance of doubt, any reference in this decision to 'vary' or 'variation application' shall be taken to mean an application to change or cancel consent conditions under s127 of the RMA.

This discretionary activity under s127 of the Resource Management Act 1991 (RMA) is for changes to and cancellation of conditions of consents WAT60152106 (NRSI 43407 and 36513) WAT60274802 (NRSI 34129) involving the amendments set out in this decision document.

Decision

I have read the application, supporting documents, and the report and recommendations on the application for variation. I am satisfied that I have sufficient information to consider the matters required by the RMA and make a decision under delegated authority on the application.

Acting under delegated authority, under sections 127, 104, 104B, 105, 107 and Part 2 of the RMA, the application for variation to conditions of a resource consent is **GRANTED**.

Reasons

The reasons for this decision are:

1. The proposal is appropriately considered under s127 as the changes will not result in a fundamentally different activity or materially different effects.

2. In accordance with an assessment under s104(1)(a)-(ab) and s127(3) of the RMA, the actual and potential effects from the variation will be acceptable as:

   a. There are no physical works required for this variation that are noticeable to persons at adjacent sites, or to the public. Therefore, there will be no adverse effects in terms of visual amenity, character and landscape effects.

   b. Any adverse ecological effects, including those on the surrounding stream water quality, turbidity, oxygen, temperature and water levels and ecosystems will be negligible. The existing stream quality and discharge monitoring mechanisms will continue to operate regardless of this variation. As such the variation will not adversely affect native flora and fauna on the surrounding and wider environment.

   c. Any adverse groundwater effects, including adverse drawdown and settlement effects on the surrounding groundwater and other watercourses are negligible. In particular, it was confirmed that there will be no adverse effects on bores and water take activities occurring at surrounding private properties. It is also confirmed that any changes to water levels will result in less than minor effects and it will not compromise ground levels or stability of the subject site or of the surrounding land.

   d. Following consultation with iwi through the council facilitation services, both Te Aakitai Waiohua and Ngati Te Ata have provided a written correspondence, stating that they have no concerns with the proposed variation. In addition, the variation will not introduce adverse effects that are materially different from what have already been assessed and approved under the relevant existing consents. On this basis, any adverse cultural effects will be acceptable.

   e. In terms of positive effects, changes in abstraction and discharge points of groundwater will enable more efficient mineral extraction activity within the existing quarry pits. This will then allow more efficient production of aggregates for the Auckland community.

   f. With reference to s104(1)(ab), there are no specific offsetting or environmental compensation measures proposed or agreed to by the applicant to ensure positive effects on the environment.

3. In accordance with an assessment under s104(1)(b) and s127(3) of the RMA, the variation is consistent with the relevant statutory documents. In particular, the following matters are considered relevant:

   Auckland Unitary Plan (operative in part)

   The proposal is consistent with relevant policies, objectives and assessment criteria contained within the following AUP chapters:

- B7 Toitū te whenua, toitū te taiao – Natural resources
- D1 High Use Aquifer Management Areas Overlay
- E1 Water quality and integrated management
- E2 Water quantity, allocation and use
- E3 Lakes, rivers, streams and wetlands
- E7 Taking, using, damming and diversion of water and drilling

The existing consent conditions with regards to ecological effects, including monitoring of water temperature, oxygen levels, turbidity, and quality of stream ecosystems have ensured any adverse ecological effects are negligible, and this is not considered to change as a result of this variation. Council's ecologist has assessed provided ecological assessment and concluded that the proposed changes to groundwater abstraction / discharge practices will have a negligible level of adverse ecological effects. In addition to this, any overflow to the wider environment will stay at, or less than the current levels. Freshwater and sediment quality will therefore not be adversely affected. Public health and safety will also not be adversely affected for the same reasons. It is assessed by Council's specialist that the existing on-site management systems and its monitoring systems are the best practicable option for the quarry operation and this variation. Furthermore, the variation will not cause any adverse groundwater effects in terms of groundwater drawdown or settlement effects. There are no adverse cultural effects due to the adequacy of the existing management and monitoring systems and minimal works required to be undertaken.

National Policy Statement: Freshwater Management 2020; The Resource Management (National Environmental Standards for Freshwater) Regulations 2020; and The Resource Management (Measurement and Reporting of Water Takes) Regulations 2010/ Resource Management (Measurement and Reporting of Water Takes) Amendment Regulations 2020

The proposal is consistent with the objectives, policies and other provisions of the aforementioned statutory documents. In particular, the objective of the NPS Freshwater Management centres on ensuring that natural and physical resources are managed in a way that prioritises; first, the health and well-being of water bodies and freshwater ecosystems; second, the health needs of people (such as drinking water); and third, the ability of people and communities to provide for their social, economic, and cultural well-being, now and in the future.

In this case, any effects on the health and well-being of water bodies and freshwater ecosystems are considered negligible as adequate management practices and monitoring programme will continue to operate regardless of the variation. Further to this, scale of the required works is minimal and will not any tangible effects such as vegetation removal and earthworking-related effects. For the similar reasons, the health and need of people are considered unaffected. The ability of people and communities to provide for their social, economic, and cultural well-being, are considered retained or improved by more efficient operation of aggregate extraction, which will facilitate Auckland's growth without causing any additional or materially different adverse environmental effects above what have already been approved.

4. In accordance with an assessment under s104(1)(c) and s127(3) of the RMA, the following other matters are considered appropriate:

   Matters relevant to discharge or coastal permits, and restrictions on certain permits: Sections 105 & 107 Resource Management Act 1991

   The provisions of Section 105 have been met as it has been determined that there are no adverse effects on the receiving environment as concluded in earlier sections of 104 assessments. It has been assessed that the applicant's reasons for the proposed choices of groundwater abstraction / discharge management system are appropriate in the circumstances and regard has been had to alternative methods of discharge applicable in this case.

   Section 107(1) of the RMA places restrictions on the granting of certain discharge permits that would contravene Sections 15 or 15A of the RMA. The proposal will not give rise to any of the effects listed in Section 107(1).

5. In the context of this variation application, where the objectives and policies of the relevant statutory documents were prepared having regard to Part 2 of the RMA, they capture all relevant planning considerations and contain a coherent set of policies designed to achieve clear environmental outcomes. They also provide a clear framework for assessing all relevant potential effects and there is no need to go beyond these provisions and look to Part 2 in making this decision as an assessment against Part 2 would not add anything to the evaluative exercise.

6. Overall, the proposal results in an acceptable level of effects, is not contrary to the relevant objectives and policies of the Auckland Unitary Plan (Operative in Part) as well as other relevant statutory documents, passes the gateway test, and achieves the sustainable management purpose of the RMA under Part 2. As such the consent can be granted.

Conditions

Under sections 108 and 108AA of the RMA, this variation is subject to the conditions outlined in:

- Attachment 1 - WAT60152106-A; and
- Attachment 2 - WAT60274802-A.

Advice notes

1. *The consent holder is reminded that the decision on this section 127 application does not affect the lapse period for the resource consent.*

2. *This decision is to be read in conjunction with any other relevant approved resource consent(s) and does not negate the consent holder's requirement to continue to comply with the conditions of any previously granted resource consent(s) that have been implemented.*

Delegated decision maker:

Name:	Colin Hopkins
Title:	Principal Project Lead, Premium Resource Consents
Signed:	
Date:	18 August 2021

Resource Consent Notice of Works Starting

Please email this form to **monitoring@aucklandcouncil.govt.nz at least *5* days prior to work starting** on your development or post it to the address at the bottom of the page.

Site address:				
AREA (please tick the box)	**Auckland CBD☐**	**Auckland Isthmus☐**	**Hauraki Gulf Islands ☐**	**Waitakere ☐**
Manukau ☐	**Rodney ☐**	**North Shore ☐**	**Papakura ☐**	**Franklin ☐**
Resource consent number:		**Associated building consent:**		
Expected start date of work:		**Expected duration of work:**		

Primary contact	Name	Mobile / Landline	Address	Email address
Owner				
Project manager				
Builder				
Earthmover				
Arborist				
Other (specify)				

Signature: Owner / Project Manager (indicate which)	**Date:**

Once you have been contacted by the Monitoring Officer, all correspondence should be sent directly to them.

SAVE $$$ minimise monitoring costs!

The council will review your property for start of works every three months from the date of issue of the resource consent and charge for the time spent. You can contact your Resource Consent Monitoring Officer on 09 301 0101 or via monitoring@aucklandcouncil.govt.nz to discuss a likely timetable of works before the inspection is carried out and to avoid incurring this cost.

Decision on an application to change conditions of a resource consent under section 127 of the Resource Management Act 1991

Decision 2:

Discretionary activity under section 127(3)

Application numbers:	WAT601152106-B
Applicant:	Winstone Aggregates
Original consent number:	WAT601152106 (original references NRSI 43407 and 36513)
Site address:	489 Hunua Road, 255 Middleton Road, and 101 Coalmine Road, Hunua
Legal description:	LOT 1 DP 60065 PT ALLOT 79 Parish OF HUNUA, PT ALLOT 79 Parish OF HUNUA, Lot 2 DP 55769 ALLOT 38 Parish OF HUNUA

Proposal:

To change the conditions of WAT60152106-A to authorise the increase in take from 1,100m^3/day to 1,400m^3 from bore HUN14/8.

Note: For the avoidance of doubt, any reference in this decision to 'vary' or 'variation application' shall be taken to mean an application to change or cancel consent conditions under s127 of the RMA.

This discretionary activity under s127 of the Resource Management Act 1991 (RMA) is for changes to conditions of consent WAT60152106 -A involving the following amendments (with ~~strikethrough~~ for deletion, **bold** for insertions):

Water Permit (s14) – WAT60152106-A

Changes to condition 7 (g)

> The daily abstraction from the Symonds Stream augmentation bore shall not exceed ~~1,100m^3~~ **1,400m^3** ~~WAT60152106~~

Decision

I have read the application, supporting documents, and the report and recommendations on the application for variation. I am satisfied that I have sufficient information to consider the matters required by the RMA and make a decision under delegated authority on the application.

Acting under delegated authority, under sections 127, 104, 104B, and Part 2 of the RMA, the application for variation to conditions of a resource consent is **GRANTED**.

Reasons

The reasons for this decision are:

1. The proposal is appropriately considered under s127 as the changes will not result in a fundamentally different activity or materially different effects.

2. In accordance with an assessment under s104(1)(a)-(ab) and s127(3) of the RMA, the actual and potential effects from the variation will be acceptable as:

    a. Sufficient capacity is available in the Hunua West Greywacke Aquifer to accommodate the volume of groundwater take proposed by this application, and the proposal does not increase the combined total of the existing consents held by the applicant for the Hunua Quarry.

    b. The volume of take is considered to remain appropriate in the context of the use, and reasonable demand for the resource.

    c. In terms of positive effects, the proposal will enable the consent holder to continue to abstract the quantity of water enabled across the combined consents and in line with the short term consent WAT60400593.

    d. With reference to s104(1)(ab), there are no specific offsetting or environmental compensation measures proposed or agreed to by the applicant to ensure positive effects on the environment.

3. In accordance with an assessment under s104(1)(b) and s127(3) of the RMA the variation is consistent with the relevant statutory documents. In particular, the proposed changes are considered to be within scope of the existing consent and is consistent with the direction of the AUP:OP with respect to the Water quantity, take, and use (Chapter E2), and the implementation of the National Policy Statement for Freshwater Management (NPS:FW) and Resource Management (Measurement and Reporting of Water Takes) Amendment Regulations 2020 (MRWT Regulations) for the following reasons

    a. The proposal does not increase the combined total of the existing consents held by the applicant for the Hunua Quarry; and

    b. Appropriate conditions, including monitoring and management of the take and use are contained in the wider suite of conditions of the consent, and these are considered to remains effective in managing any adverse effects.

4. In accordance with an assessment under s104(1)(c) and s127(3) of the RMA, no other matters are considered relevant.

5. In the context of this variation application, where the objectives and policies of the relevant statutory documents were prepared having regard to Part 2 of the RMA, they capture all relevant planning considerations and contain a coherent set of policies designed to achieve clear environmental outcomes. They also provide a clear framework for assessing all relevant potential effects and there is no need to go beyond these provisions and look to Part 2 in

making this decision as an assessment against Part 2 would not add anything to the evaluative exercise.

6. Overall the proposed changes to the conditions of consent are considered to be an acceptable and efficient use of the natural resource in the context of the underlying provisions of the AUP: OP as they relate Water quantity, allocation and use, and the implementation of the NPS:FM and MRWT Regulations through those provisions.

   Furthermore any adverse effects associated with the proposed changes are considered to be less than minor with suitable provision retained to comply with the outcomes anticipated by the original consent and ensure appropriate monitoring of the activity is retained.

   For these reasons the proposal is considered to be acceptable from a resource management perspective.

Conditions

Under sections 108 and 108AA of the RMA, this variation is subject to the following additional condition and amendments to existing conditions:

7(g) The daily abstraction from the Symonds Stream augmentation bore shall not exceed 1,400m³.

Advice notes

1. *The consent holder is reminded that the decision on this section 127 application does not affect the lapse period for the resource consent.*

2. *This decision is to be read in conjunction with any other relevant approved resource consent(s) and does not negate the consent holder's requirement to continue to comply with the conditions of any previously granted resource consent(s) that have been implemented.*

Delegated decision maker:

Name: **Jonathan Begg**

Title: **Principal Project Lead, Premium Resource Consents**

Signed:

Date: 18 July 2022

Resource Consent Notice of Works Starting

Please email this form to **monitoring@aucklandcouncil.govt.nz at least *5* days prior to work starting** on your development or post it to the address at the bottom of the page.

Site address:				
AREA (please tick the box)	**Auckland CBD☐**	**Auckland Isthmus☐**	**Hauraki Gulf Islands ☐**	**Waitakere ☐**
Manukau ☐	**Rodney ☐**	**North Shore ☐**	**Papakura ☐**	**Franklin ☐**

Resource consent number:	**Associated building consent:**
Expected start date of work:	**Expected duration of work:**

Primary contact	**Name**	**Mobile / Landline**	**Address**	**Email address**
Owner				
Project manager				
Builder				
Earthmover				
Arborist				
Other (specify)				

Signature: Owner / Project Manager (indicate which)	**Date:**

Once you have been contacted by the Monitoring Officer, all correspondence should be sent directly to them.

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The council will review your property for start of works every three months from the date of issue of the resource consent and charge for the time spent. You can contact your Resource Consent Monitoring Officer on 09 301 0101 or via monitoring@aucklandcouncil.govt.nz to discuss a likely timetable of works before the inspection is carried out and to avoid incurring this cost.

AUCKLAND REGIONAL COUNCIL

RESOURCE CONSENT

Granted pursuant to the Resource Management Act 1991

PERMIT NO. 34130

CONSENT HOLDER:	**Winstone Aggregates, a division of Fletcher Concrete and Infrastructure Limited** **Hunua Quarry**
FILE REFERENCE:	**9046**
ACTIVITY STATUS:	**Discretionary**

CONDITIONS OF CONSENT:

Duration of Consent:	This consent shall expire 35 years after the consent commences unless it has lapsed, been surrendered or been cancelled at an earlier date pursuant to the Resource Management Act 1991.
Purpose of Consent:	To authorise the discharge of contaminants into air primarily dust, from activities associated with the operation of the Hunua Quarry, including: vegetation removal: overburden removal; excavating rock; blasting and drilling; crushing, screening storage, and transport of rock; and the operation of a blending plant, in accordance with Section 15(1)(c) of the Resource Management Act 1991.
Authorised Quantity:	The Consent Holder shall ensure that the operation of Hunua Quarry does not exceed: (a) An extraction rate of 2,000 tonnes per hour (b) A crushing rate of 1,000 tonnes per hour (c) A screening rate of 1,000 tonnes per hour
Site Location:	Hunua Quarry, 489 Hunua Road and 270 Middleton Road, Drury.
Legal Description of Land:	Lot 1 DP 60065, Pt Allot 79 Parish of Hunua, and Lot 2 DP 55769.
Territorial Authority:	Papakura District Council
Approximate Map Reference:	Symonds Hill site: NZTM 1777750mE 5893650mN Hunua Road site: NZTM 1777400mE 5894400mN

DEFINITIONS:

ARC:	means the Auckland Regional Council
Enforcement Officer:	means a person warranted by the ARC under Section 38(1) of the Resource Management Act 1991
Hazardous Air Pollutant:	As defined in Chapter 12 – Definitions and Abbreviations of the Proposed Auckland Regional Plan: Air, Land and Water (June 2005)
Manager:	means the Group Manager, Consents and Compliance – Land, ARC, or nominated ARC staff acting on the Manager's behalf
Site:	means the legal description of land
TP152:	means ARC Technical Publication 152: *Assessing Discharges of Contaminants into Air (Draft)*. April 2002.

GENERAL CONDITIONS:

1. That the Consent Holder shall allow access to the servants or agents of the ARC to relevant parts of the property at all reasonable times for the purpose of carrying out inspections, surveys, investigations, tests, measurements or taking samples.

2. That the Consent Holder shall operate the plant and associated processes in accordance with the documentation submitted to the ARC as part of application number 34130, including but not limited to the Assessment of Air Quality Related Effects for the Winstone Hunua Quarry and Processing Plant, dated March 2007, prepared by URS New Zealand Limited, where not amended by the conditions of this consent. No alterations shall be made to the plant or processes that do not, or are not likely to, comply with the provisions of this consent, a regional rule, or regulations under the Resource Management Act 1991.

3. That the Consent Holder shall be responsible for all discharges into air from the site and shall make any person on site aware of any relevant conditions of this consent.

LIMIT CONDITIONS:

4. That the Consent Holder shall at all times, operate, maintain, supervise, monitor and control all processes on site so that emissions authorised by this consent are maintained at the minimum practicable level.

5. That the Consent Holder shall ensure that beyond the boundary of the site there is no odour, dust or fume caused by discharges from the site which, in the opinion of an enforcement officer, is noxious, offensive or objectionable.

6. That the Consent Holder shall ensure that no discharge from any activity on site gives rise to visible emissions to an extent which, in the opinion of an enforcement officer, are noxious, offensive or objectionable.

7. That the Consent Holder shall ensure that beyond the boundary of the site there is no hazardous air pollutant, caused by discharges from the site, which is present at a concentration that is likely to be detrimental to human health or the environment.

PROCESS CONDITIONS:

8. That the Consent Holder shall operate the site in accordance with the Air Quality Management Plan which shall be submitted to the Manager for review within three months of the commencement of this consent. All subsequent changes shall be submitted to the Manager for review prior to becoming operational. The Plan may form part of an overall management plan for the site.

9. That, without prejudice to conditions 4 to 6, the Consent Holder shall ensure adequate water suppression shall be available at all times to ensure that dust emissions are minimised from any area where vegetation, overburden and/or topsoil has been, or is being, removed.

10. That the Consent Holder shall undertake rehabilitation of bare earth surfaces capable of generating dust on site in areas where the resource is depleted or material is not to be extracted or worked within a period of one year. Rehabilitated areas shall be hydroseeded or otherwise suitably stabilised as soon as practicable.

11. That the Consent Holder shall ensure techniques are used for overburden removal, excavating rock, blasting and drilling which minimise dust emissions. Dust emissions from all transfer operations shall be kept to a practicable minimum.

12. That, in the event complaints are received by either the Consent Holder or the ARC that relate to dust from blasting, the Consent Holder shall within seventy-two hours of the complaint, or receipt of details of the complaint from the ARC, provide all available information about the blasts to which the complaints relate. The information provided shall include, but not be limited to the location of the blast, weather conditions, air quality monitoring data and blast logs.

13. That, in the event that, in the opinion of the Manager, the information provided in accordance with Condition 12 indicates that complaints received may have been a consequence of blasting activities on the Site, at the request of the Manager, the Consent Holder shall inform the Manager seventy-two hours prior to the next such blasting event, and such subsequent blasting events as are considered necessary by the Manager, to allow the blast(s) to be observed and blast discharges evaluated against the requirements of Conditions 5,6 and 23.

14. That, in the event dust from blasting results in non-compliance with conditions 5 and/or 6 on two or more occasions within a twelve month period, the Consent Holder shall engage a suitably qualified individual to investigate further dust suppression measures including any proposed timeframe for their implementation (where appropriate). The results of the investigation shall be submitted in the form of a report to the Manager within six months of the second non-compliance.

    Note: This consent condition shall not be initiated without prior consultation with the Consent Holder and notification in writing by the Manager.

15. That the Consent Holder shall ensure all dust suppression equipment associated with the processing plant shall be maintained in good working condition and no part of the processing plant shall be operated without dust suppression equipment being fully operational and functioning correctly. Furthermore, the processing plant buildings shall be maintained in order to ensure that potential fugitive emissions are minimised.

16. That the Consent Holder shall ensure all air displaced from silos associated with the blending plant shall be vented to atmosphere via filter system(s) prior to discharge to atmosphere. The filter systems shall comply with the relevant design, operating and monitoring criteria/requirements of that version of TP152 that is current three months prior to installation of that system, or better.

17. That the Consent Holder shall construct and position all stockpiles to minimise the potential for dust emissions. Methods to suppress stockpile emissions shall be set out in the Air Quality Management Plan required by condition 29 of this consent.

18. That the Consent Holder shall maintain all internal quarry roads in a manner which minimises the potential for dust emissions. Methods to suppress emissions from quarry roads shall be set out in the Air Quality Management Plan required by condition 29 of this consent and shall include, but not be limited to, procedures relating to road maintenance, water suppression and vehicle speeds.

19. That the Consent Holder shall provide a wheel washing facility at the exit of the premises to be used by all vehicles that have dirt on the tyres which is, or is likely to be, transferred off the tyres on to the roadways to ensure no tracking onto public roads.

20. That the Consent Holder shall clean any sealed roads on a regular basis to ensure that dust is kept to a practicable minimum.

21. That the Consent Holder shall, without contravening the requirements of any other consent, maintain ponds or other water supplies at such capacity that application of water as a dust control measure is not limited.

22. That the Consent Holder shall ensure that no material shall be disposed of by open burning on site.

MONITORING CONDITIONS:

23. That the Consent Holder shall carry out Total Suspended Particulate (TSP) monitoring at the following locations:

    (a) At the site of the existing monitor near the quarry access.

    (b) In the general vicinity of Middleton Road.

    (c) On the south westerly boundary.

    The monitoring programme and the type of monitoring equipment are to be decided in conjunction with the Manager.

24. That, without prejudice to the generality of conditions 4 and 5, if the monitoring shows that the TSP in ambient air at or beyond the boundary of the site, as measured in accordance with condition 23, exceeds 80 $\mu g/m^3$ as a 24 hour average at the sites listed in condition 23(b) and/or (c) and 100 $\mu g/m^3$ as a 24 hour average at the 23(a) monitoring site, the Consent Holder shall initiate an investigation as to the probable cause(s) of the exceedence.

25. That, if an investigation initiated by condition 24 establishes the probable cause of the elevated levels of TSP is an activity undertaken on the Consent Holder's site, the Consent Holder shall take action to reduce those discharges to the satisfaction of the Manager.

26. That the Consent Holder shall report any results of TSP in ambient air tests showing exceedences of the prompts given in condition 24 by facsimile to the Manager as soon as practicable. A summary of all monitoring results for the previous 12 months, including references to wind and rainfall data, and any remedial action taken shall be submitted to the Manager by no later than 20 working days after 28 February each year.

27. That the Consent Holder shall maintain and operate a weather station that is located to the Manager's satisfaction. The Consent Holder shall continuously record and be able to make available wind speed, wind direction and rainfall data.

LOGGING AND REPORTING CONDITIONS:

28. That the Consent Holder shall ensure that all records, monitoring and test results that are required by the conditions of this consent are made available on request, during operating hours, to an enforcement officer and shall be kept for a minimum period of twenty-four months from the date of each entry.

29. That the Consent Holder shall maintain an Air Quality Management Plan (the Plan) which accurately records all management and operational procedures, methodologies and contingency plans necessary to comply with the conditions of this consent. The Plan shall include the provisions of the Section 7.5 of the Hunua Quarry – Management Plan December 2004 revision (as appropriate) and shall be submitted to the Manager for review within three months of the commencement of this consent. All subsequent changes shall be submitted to the Manager for review prior to becoming operational. The Manager will advise the Consent Holder in writing if any aspects of the Plan are considered to be inconsistent with achieving the provisions of this consent. The Plan may form part of an overall management plan for the site.

30. That the Consent Holder shall, by 30 June following commencement of this consent and annually thereafter, provide a suitable report , including scale plans, to the Manager detailing:

    (a) Areas to be quarried over the next 12 months.

    (b) Plans for earthworks, including overburden stripping, over the next 12 months.

    (c) Details of product stockpiling activities.

    (d) Details of rehabilitation carried out in accordance with condition 10 of this consent in the previous 12 months.

    (e) Pond storage volume taking into account silting up.

    The report may form part of the Annual Erosion and Sediment Control Management Plan required by condition 23 of consent number 32151.

31. That the Consent Holder shall record the following in a daily log:

    (a) Any dust control equipment malfunction and any remedial action taken.

    (b) Any visible emission of dust and the source.

    (c) The weather conditions for the day, including wind strength and direction and rainfall.

    (d) Any use of a watercart, the frequency of use and the volume of water used.

(e) The volume of water used for dust suppression other than watercart usage.

(f) The date and signature of the person entering the information.

A summary of the information recorded in (a) to (f) shall be submitted to the Manager no later than 20 working days after 28 February, 31 May, 31 August and 30 November each year.

32. That the Consent Holder shall log all air quality complaints received. The complaint details shall include:

(a) The date, time, location and nature of the complaint.

(b) The name, phone number and address of the complainant unless the complainant refuses to supply these details.

(c) Wind strength and direction at time of complaint.

(d) Any remedial actions taken.

Details of any complaints received shall be provided to the Manager within one working day of receipt of the complaint(s).

COMMUNITY LIAISON GROUP

33. That the Consent Holder shall consult with the local community as soon as practicable to facilitate continuation of the established Community Liaison Group (CLG). Parties to be consulted will include owners and occupiers of all premises within 500 metres of the site boundary, relevant community organisations such as the Hunua Environmental Protection Society Incorporated (HEPSI), Papakura District Council, and the ARC.

34. That the Consent Holder shall ensure:

(a) That invitations to participate in the CLG shall be distributed to potential members including all those identified in condition 33, with the objective that the CLG comprise up to five representatives of the local community, as well as representatives of the Consent Holder, Papakura District Council and the ARC. The membership of the CLG shall be reviewed triennially, or more frequently if appropriate, and invitations to participate distributed to potential members.

(b) That its representative attends each formal meeting of the CLG, which shall be held within six months of the date of commencement of this consent and at least once every six months thereafter, unless otherwise agreed at a greater or lesser frequency by majority decision of the CLG membership.

(c) That the purpose of the CLG shall be as agreed by the CLG to discuss matters relevant to the effects of quarry operations beyond the site boundary, including, but not limited to, results of monitoring, future development proposals or proposals to vary or apply for consents, concerns and complaints of residents, particularly where the concern or complaint pertains to a matter of general as opposed to individual interest, and aspects of any non-compliance and means of alleviating them.

(d) That an agenda listing matters for discussion and relevant written information regarding the matters on the agenda is provided to the CLG at least one week prior to each meeting,

(e) That the minutes of the CLG and details of action points to be followed up shall be forwarded to the members and attendees of the CLG and the parties listed in condition 33 upon request within one month of each meeting being held.

(f) That at least two weeks notice in writing of the date, time and location of the next CLG is given to the members of the CLG.

REVIEW CONDITION:

35. That the conditions of this consent may be reviewed by the Manager pursuant to Section 128 of the Resource Management Act 1991, by the giving of notice pursuant to Section 129 of the Act, in July 2010 and every year thereafter in order to:

(a) Deal with any significant adverse effect on the environment arising from the exercise of the consent that was not foreseen at the time the application was considered and which is appropriate to deal with at the time of the review.

(b) Consider the adequacy of conditions that prevent nuisance beyond the boundary of the site, particularly if regular or frequent complaints have been received and validated by an enforcement officer.

(c) Consider developments in control technology and management practices that would enable practical reductions in the discharge of contaminants into air.

(d) Alter the monitoring requirements, including requiring further monitoring, increasing or reducing the frequency of monitoring.

(e) To take into account any Act of Parliament, Regulation, National Policy Statement, Regional Policy Statement or relevant regional plan which relates to limiting, recording or mitigating emissions authorised by this consent.

ADVICE NOTES:

1. The Consent Holder is advised that they will be required to pay to the ARC any administrative charge fixed in accordance with Section 36(1) of the Resource Management Act 1991, or any additional charge required pursuant to Section 36(3) of the Resource Management Act 1991 in respect of this consent.

2. The Consent Holder is advised that the date of the commencement of this consent will be as determined by Section 116 of the Resource Management Act 1991, unless a later date is stated as a condition of consent. The provisions of Section 116 of the Resource Management Act 1991 are summarised in the covering letter issued with this consent.

3. The Consent Holder is advised that, pursuant to Section 125 of the Resource Management Act 1991, this resource consent lapses on the expiry of five years after the date of commencement of this consent unless the consent is given effect to or other criteria contained within Section 125 are met.

4. The Consent Holder is advised that, pursuant to Section 126 of the Resource Management Act 1991, if this resource consent has been exercised, but is not subsequently exercised for a continuous period of five years, the consent may be cancelled by the ARC unless other criteria contained within Section 126 are met.

5. The Consent Holder is advised that the ARC may at any time undertake source emission testing and/or any other monitoring to ensure compliance with the

conditions of this consent. The Consent Holder is advised that they will be required to pay for the costs of this monitoring as per Advice Note 1.

AUCKLAND REGIONAL COUNCIL

RESOURCE CONSENT

Granted pursuant to the Resource Management Act 1991

PERMIT NO. 34131

CONSENT HOLDER:	**Winstone Aggregates, a division of Fletcher Concrete and Infrastructure Limited**
FILE REFERENCE:	**18868**
STATUS OF ACTIVITY	**Discretionary**

CONDITIONS OF CONSENT

Duration of Consent:	This consent shall expire 35 years after the consent commences unless it has lapsed, been surrendered or been cancelled at an earlier date pursuant to the Resource Management Act 1991.
Purpose of Consent:	To authorise the discharge of groundwater and surface water from a quarry pit to the Symonds Stream in accordance with Section 15 of the Resource Management Act 1991.
Works:	A quarry pit dewatering pond approximately 500 metres south of Middleton Road, Drury
Site Location:	Hunua Quarry, 270 Middleton Road, Drury, Papakura District
Legal Description of Land Where Water is Discharged:	Lot 1 DP 60065 Blk I Opaheke SD Pt Allot 38 Psh of Hunua
Territorial Authority:	Papakura District Council
Approximate Map Reference of Discharge Point:	NZTM 1777750mE 5893650mN

DEFINITIONS:

ANZECC	means the Australian and New Zealand Environment and Conservation Council
ARC:	means the Auckland Regional Council
Manager:	means the Group Manager, Consents and Compliance – Land or Water, ARC, or nominated ARC staff acting on the Manager's behalf
TP302:	means ARC Technical Publication No. 302 Stream Ecological Valuation (SEV): a method for scoring the ecological performance of Auckland streams and for quantifying environmental compensation, 2nd edition (dated January 2008).

GENERAL CONDITIONS:

1. That the servants or agents of the Council shall be permitted access to the relevant parts of the property at all reasonable times for the purpose of carrying out inspections, surveys, investigations, tests, measurements or taking samples.

2. That the Consent Holder shall regularly inspect the outlet structure and associated equipment, recording its status and maintaining it in good working order, rectifying as soon as possible any damage that may occur to the structure and associated equipment.

MONITORING AND REPORTING CONDITIONS:

3. Deleted.

4. Deleted.

Water Quality Monitoring

5. That the Consent Holder shall measure and record the turbidity, water temperature and dissolved oxygen both in the early morning (approximately 8am) when dissolved oxygen is at a minimum, and in the afternoon when stream water temperature is at a maximum, in Symonds stream at the downstream flow gauging site defined in Condition 17 of Permit 34129, being approximate Map Reference NZTM 1777500mE 5893630mN and being upstream of the quarry sediment pond discharge point. The measurements shall be made on three occasions during dry weather conditions and when flow measurements required by Condition 17 of Permit 34129 are undertaken. The measurements shall be completed within the period commencing 1 January and ending 31 March each year. The Consent Holder shall submit a report to the Manager by 30 June that year showing turbidity, temperature, dissolved oxygen levels and time of each measurement at the point on Symonds Stream.

6. That the Consent Holder shall measure and record at specific sites and intervals the dissolved oxygen, water temperature and nitrate/nitrite and any chemical parameters measured in accordance with Condition 25 of Permit 34129 in the quarry pit that exceed ANZECC (2000) guidelines. The specified sites shall be in the discharge from the pit to the Mid Tributary and in the receiving Mid Tributary immediately upstream and downstream of the discharge. The specified intervals shall be at monthly intervals when a discharge from the pit has been occurring for at least one hour. These measurements shall be completed within the period commencing 1 November and ending 30 April each year, at approximately the same time on each day of recording.

7. That the Consent Holder shall ensure that the measurements made as required by Conditions 5 and 6 be in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater", APHA, AWWA, WPCE or equivalent as approved in writing by the Manager.

8. That the Consent Holder shall ensure that, after reasonable mixing, as determined by the results of the measurements required by Condition 6 above, the temperature of the Symonds Stream Mid Tributary below the discharge point shall be equal to or less than that of the Symonds Stream Mid Tributary above the discharge point, and that the dissolved oxygen concentration below the discharge point shall be equal to or greater than 6 mg/l.

Stream Ecological Survey

9. That the Consent Holder shall ensure that an ecological survey upstream and downstream of the discharge is completed by a suitably qualified and experienced person, to determine the relative effect of the quarry discharges on Symonds Stream. The survey shall be completed within the period commencing 1 January and ending 31 March. The surveys on Symonds Stream shall commence 12 months prior to commencement of quarry related discharges to Symonds Stream. The ecological survey design and methodology shall be submitted to and approved in writing by the Manager prior to the first survey, and shall be consistent with the sampling method of TP302 with the exclusion of fish fauna intact function. This survey shall then be carried out annually for the next five years, reducing thereafter to once every two years, with the written approval of the Manager.

REPORTING CONDITION:

10. That the Consent Holder shall submit by 30 June of each year, to the Manager, an Annual Compliance Report which provides an analysis of the results of the data collected under the conditions of this resource consent and an evaluation of the results in respect of compliance levels. The report shall be prepared by a suitably qualified person to a standard acceptable to the Manager and consider all data collected from the date of this consent commencing (in terms of section 116 of the Resource Management Act 1991), and in particular examine and evaluate any effects on the environment during the previous year ending 31 May and since this consent commenced.

COMMUNITY LIAISON GROUP

11. That the Consent Holder shall consult with the local community as soon as practicable to facilitate continuation of the established Community Liaison Group (CLG). Parties to be consulted will include owners and occupiers of all premises within 500 metres of the site boundary, relevant community organisations such as the Hunua Environmental Protection Society Incorporated (HEPSI), Papakura District Council, and the ARC.

12. That the Consent Holder shall ensure:

    (a) That invitations to participate in the CLG shall be distributed to potential members including all those identified in condition 32, with the objective that the CLG comprise up to five representatives of the local community, as well as representatives of the Consent Holder, Papakura District Council and the ARC. The membership of the CLG shall be reviewed triennially, or more frequently if appropriate, and invitations to participate distributed to potential members.

    (b) That its representative attends each formal meeting of the CLG, which shall be held within six months of the date of commencement of this consent and at least once every six months thereafter, unless otherwise agreed at a greater or lesser frequency by majority decision of the CLG membership.

    (c) That the purpose of the CLG shall be as agreed by the CLG to discuss matters relevant to the effects of quarry operations beyond the site boundary, including, but not limited to, results of monitoring, future development proposals or proposals to vary or apply for consents, concerns and complaints of residents, particularly where the concern or complaint pertains to a matter of general as opposed to individual interest, and aspects of any non-compliance and means of alleviating them.

    (d) That an agenda listing matters for discussion and relevant written information regarding the matters on the agenda is provided to the CLG at least one week prior to each meeting,

    (e) That the minutes of the CLG and details of action points to be followed up shall be forwarded to the members and attendees of the CLG and the parties listed in condition 32 upon request within one month of each meeting being held.

    (f) That at least two weeks notice in writing of the date, time and location of the next CLG is given to the members of the CLG.

REVIEW CONDITIONS:

13. That the conditions of this consent may be reviewed by the Manager pursuant to Section 128 of the Resource Management Act 1991, by the giving of notice pursuant to Section 129 of the Act, in July 2010 and subsequently at intervals of not less than two years thereafter in order:

a. to vary the quantities, monitoring and reporting requirements, and performance standards in order to take account of information, including the results of previous monitoring and changed environmental knowledge, on:

   i. stream and groundwater quality; and
   ii. instream biota, including the functioning of aquatic ecosystems.

b. to deal with any adverse effect on the environment arising or potentially arising from the exercise of this consent.

ADVICE NOTES:

1. The Resource Consent Holder is advised that they will be required to pay to the Council any administrative charge fixed in accordance with Section 36(1) of the Management Act 1991, or any additional charge required pursuant to Section 36(3) of the Resource Management Act 1991 in respect of this consent.

2. The Resource Consent Holder is advised that the date of the commencement of this consent will be as determined by Section 116 of the Resource Management Act 1991, unless a later date is stated as a condition of consent. The provisions of Section 116 of the Resource Management Act 1991 are summarised in the covering letter issued with this consent.

3. The Resource Consent Holder is advised that, pursuant to Section 125 of the Resource Management Act 1991, this resource consent lapses on the expiry of five years after the date of commencement of this consent unless the consent is given effect to or other criteria contained within Section 125 are met.

4. The Resource Consent Holder is advised that, pursuant to Section 126 of the Resource Management Act 1991, if this resource consent has been exercised, but is not subsequently exercised for a continuous period of five years, the consent may be cancelled by the Council unless other criteria contained within Section 126 are met.

5. Written approvals of the Manager required under this consent will not be unreasonably delayed.

AUCKLAND REGIONAL COUNCIL

RESOURCE CONSENT

Granted pursuant to the Resource Management Act 1991

PERMIT NO. 32151

CONSENT HOLDER:	**Winstone Aggregates, a division of Fletcher Concrete and Infrastructure Limited**
FILE REFERENCE:	**18868**

CONDITIONS OF CONSENT:

Duration of Consent:	This consent shall expire 35 years after the consent commences unless it has lapsed or been surrendered or cancelled at an earlier date pursuant to the Resource Management Act 1991.
Purpose of Consent:	A Land Use Consent: Sediment Control for quarrying and associated earthworks at Hunua Quarry, in accordance with Section 9(3) of the Resource Management Act 1991.
Site Location:	Hunua Quarry, 489 Hunua Road and 270 Middleton Road, Drury.
Legal Description of Land:	Lot 1 DP 105061, Lot 1 DP 60065, Pt Allot 79 Parish of Hunua, Pt Allot 38 Parish of Hunua, Lot 2 DP 55769, Lot 2 DP 115598, Lot 1 DP 120541, Allot 345 SO 49030 Parish of Hunua, Lot 5 DP 152736 and Lot 1 DP 109558.
Territorial Authority:	Papakura District Council
Approximate Map Reference:	Symonds Hill site: NZTM 1777750mE 5893650mN Hunua Road site: NZTM 1777400mE 5894400mN

DEFINITIONS:

ARC:	means the Auckland Regional Council.
Manager:	means the Group Manager, Consents and Compliance – Land or Water, ARC, or nominated ARC staff acting on the Manager's behalf.
TP90:	means ARC Technical Publication No. 90 *Erosion and Sediment Control Guidelines for Land Disturbing Activities in the Auckland Region*, March 1999.
TP302:	means ARC Technical Publication No. 302

	Stream Ecological Valuation (SEV): a method for scoring the ecological performance of Auckland streams and for quantifying environmental compensation, 2nd edition (dated January 2008).
Stabilised:	means an area inherently resistant to erosion such as rock (excluding sedimentary rocks), or rendered resistant by the application of aggregate, geotextile, vegetation or mulch. Where vegetation is to be used on a surface that is not otherwise resistant to erosion, the surface is considered stabilised once an 80% vegetation cover has been established.

ARC MONITORING

1. That the servants or agents of the ARC shall be permitted access to the relevant parts of the property at all reasonable times for the purpose of carrying out inspections, surveys, investigations, tests, measurements or taking samples.

PRE-WORKS REQUIREMENTS

2. That the Consent Holder shall ensure that all personnel working on the site be made aware of and have access to the contents of this consent document, the associated erosion and sediment control plan and methodology, and the current Annual Erosion and Sediment Control Management Plan.

3. That the Consent Holder shall ensure that the Manager is informed in writing of the intention to commence stripping of overburden at least 2 weeks prior to the start date of each overburden stripping programme.

4. That prior to commencement of overburden stripping the Consent Holder or their agent shall arrange and conduct a pre-construction site meeting between ARC and all relevant parties, including the primary contractor.

EROSION & SEDIMENT CONTROL

5. That the Consent Holder shall ensure that all erosion and sediment control measures are constructed and maintained in accordance with those described in the application for Land Use Consent: Sediment Control No. 32151 (File Reference 18868), including but not limited to Hunua Quarry: Surface Water Management Design Assessment, dated April 2007, prepared by Pattle Delamore Partners Ltd, except where amended by the conditions of this consent, and the current Annual Erosion and Sediment Control Management Plan (AESCMP).

6. That the Consent Holder shall ensure that any future amendments to the Plan that may affect the performance of erosion and sediment control measures on site shall be submitted to the Manager for review within three months of the commencement of this consent. The Manager will advise the Consent Holder in writing if any aspects of the Plan are considered to be inconsistent with achieving the provisions of this consent. The Plan may form part of an overall management plan for the site. All subsequent changes shall be submitted to the Manager for review prior to becoming operational. No sediment laden runoff shall leave the site without approved treatment to retain sediment.

7. Where a flocculation system is required in order to comply with the discharge standard outlined in Condition 17, the Consent Holder shall provide a Flocculation Management Plan to the Manager for review prior to the commissioning of the flocculation system. The Manager will advise the Consent Holder in writing if any aspects of the Plan are considered to be inconsistent with achieving the provisions of this consent. The Plan shall include as a minimum:

    i. Specific design details of the flocculation system;
    ii. A monitoring, maintenance and contingency programme (including a Record Sheet);
    iii. Details of optimum dosage (including assumptions);
    iv. Results of the initial flocculation trial;
    v. A spill contingency plan.

    Changes to sediment retention pond configuration on the site may require an updated Flocculation Management Plan to be submitted to the Manager for review.

8. That the Consent Holder shall ensure that all perimeter controls be operational before earthworks commence. All 'cleanwater' runoff from stabilised surfaces including catchment areas above the site shall be diverted away from earthworks areas via a stabilised system, so as to prevent surface erosion.

9. That the Consent Holder shall ensure that bare earth areas are progressively stabilised against erosion as soon as practicable during earthworks operations. This condition does not apply to cut rock faces or areas being actively worked.

10. That the Consent Holder shall ensure that erosion and sediment control measures are implemented in accordance with best engineering practice, and maintained to perform at full operational capacity until bare earth areas have been stabilised against future sediment generation. Stabilisation shall mean when bare earth areas are covered by a permanent erosion proof ground cover, and includes vegetative cover which has obtained a density of more than 80 % of a normal pasture sward.

11. That the Consent Holder shall submit a certificate signed by an appropriately qualified and experienced person to certify that the erosion and sediment control measures have been constructed in accordance with Conditions 5, 6 or 32 of this consent, within seven days following the construction of the controls.

    Where appropriate, information supplied shall include:

    a) contributing catchment area
    b) retention volume of the structures, including dead and live storage
    c) shape and dimensions of structures
    d) position of inlets/outlets
    e) stabilisation of structures/measures
    f) confirmation of compliance (or otherwise) with TP90

12. That the Consent Holder shall ensure that any sediment retention ponds be cleaned out no less often than when 20 % full of sediment, and removed sediment deposited in an area where it cannot wash into receiving waters.

13. That the Consent Holder shall ensure that any sediment retention ponds outside the quarry pit be constructed to withstand a 1% AEP storm event without breaching and shall incorporate an emergency spillway to accommodate such an event.

14. That the Consent Holder shall ensure that the pump from the pit sediment pond be fitted with a floating intake. The pump shall not operate unless there is at least 2 metres clearance between the pump intake and any accumulated sediment. An automatic cut off switch shall be installed to ensure compliance with this condition.

SEASONAL RESTRICTIONS

15. Deleted.

16. Deleted.

MONITORING PROGRAMME

Sediment Discharge

17. That the Consent Holder shall record rainfall on the site at the same time each working day, when the quarry is operating.

18. That the Consent Holder shall carry out the following sampling programme to determine the relative effect that any discharge of sediment from the quarry may have on the environment.

    A 1 litre grab sample of water shall be collected at the following points when rainfall of 15 mm or more has been recorded on the site in the previous 24 hours;

    a) The discharge from all sediment retention ponds prior to discharging to the receiving watercourse.

    b) The receiving watercourse 10 m upstream of the most upstream quarry discharge point and 30 m downstream of the most downstream quarry discharge point.

    Samples shall be analysed for suspended solids, turbidity and where a sediment retention pond is chemically treated, also analysed for pH.

    All samples shall be analysed within one week of collection, in accordance with the latest edition of 'The Standard Methods for the Examination of Water and Wastewater' APHA, AWWA, WPCE, or such other standards as may be approved by the Manager.

    When water is pumped out of the relevant pit to either Hays Stream or Symonds Stream, independently of 15 mm rainfall events, one sample set shall be collected per week to monitor this particular discharge.

    Provided a statistically reliable relationship between suspended solids and turbidity can be established through this monitoring, the Manager may approve measurement of turbidity only, at the request of the Consent Holder.

19. That the Consent Holder shall ensure that discharges from the quarrying operation, and as a consequence of exercising this consent, do not increase the median suspended sediment concentration of either watercourse by more than 20 % as measured on a quarterly basis. For the purposes of determining compliance with this discharge standard the monitoring points shall be the upstream and downstream monitoring points as detailed in Condition 18(b).

Stream Ecological Survey

20. That the Consent Holder shall ensure that an ecological survey upstream and downstream of the discharge is completed by a suitably qualified and experienced person, to determine the relative effect of the quarry discharges on Symonds Stream. The survey shall be completed within the period commencing 1 January and ending 31 March. The surveys on Symonds Stream shall commence 12 months prior to commencement of quarry related discharges to Symonds Stream. The ecological survey design and methodology shall be submitted to and approved in writing by the Manager prior to the first survey, and shall be consistent with the sampling method of TP302 with the exclusion of fish fauna intact function. This survey shall then be carried out annually for the next five years, reducing thereafter to once every two years, with the written approval of the Manager.

CLEANFILLING

21. Deleted.

22. Deleted.

23. Deleted.

24. Deleted.

25. Deleted.

26. Deleted.

27. Deleted.

28. Deleted.

29. Deleted.

30. Deleted.

EVALUATION & REPORTING

31. That the Consent Holder shall ensure that, from the date of commencement of this consent, rainfall records and the results of the sampling programme for the preceding quarter shall be submitted to the Manager by no later than 20 working days after 28 February, 31 May, 31 August and 30 November each year,

    If the sampling results or ecological survey indicate that the quarry discharges are adversely affecting the watercourses, the consent holder shall modify the quarry operation and/or implement new water quality control measures to adequately mitigate these effects, and modify the sampling methodology, to the satisfaction of the Manager.

32. That the Consent Holder shall submit to the Manager an Annual Erosion and Sediment Control Management Plan (AESCMP) containing the following information;

    - Areas to be quarried over the next 12 months.

- Plans for earthworks, including overburden stripping, over the next 12 months.

- Details of maintenance activities in respect of erosion and sediment control structures undertaken in the previous 12 months, and maintenance activities proposed over the next 12 months.

- Details of any problems in respect of water management on the site during the previous 12 months, and proposals for addressing such problems.

- An Erosion and Sediment Control Plan, including calculations to confirm this plan is in general accordance with TP90, for quarrying and overburden stripping, over the next 12 months.

- The results of the previous 12 months of sampling, including summarised rainfall data, an assessment of the sampling results, and the results of any ecological surveys undertaken during the previous 12 months. Where any discharge standard exceedances have occurred, the Consent Holder shall outline plans to ensure future compliance with the discharge standard.

- An assessment of the effectiveness of erosion and sediment control measures and any sediment related effects on the receiving environment.

Where quarry closure is proposed in the following 2 years, the AESCMP shall also address the following matters;

a) Proposals for the final stabilisation of the site.

b) Proposals for the ongoing treatment of any discharges from the site.

The AESCMP shall be submitted, by 30 June each year, to the Manager for review prior to the commencement of works proposed in the AESCMP. The Manager will advise the Consent Holder in writing if any aspects of the Plan are considered to be inconsistent with achieving the provisions of this consent. The monitoring period to be included in each report shall be for the previous 12 month period ending 31 May.

BOND

33. That the Consent Holder shall enter into a bond with a financial institution of good repute to be provided as surety to the satisfaction of the ARC. The Council may use the bond money to measure rainfall, carry out sampling, and/or to implement remedial works. The purpose of the bond is:

    - to secure the performance of all of the conditions of this consent; and
    - to ensure the remediation of any adverse effects on the environment arising from the exercise of the consent.

34. That the bond shall be in the sum of $200,000, adjusted annually to reflect changes in the Producer Price Index.

35. That the Consent Holder and the surety remain liable under the bond for any adverse effects on the environment arising from the exercise of the resource consent which may become apparent either during or after the expiry of the consent.

36. That the term of the bond shall continue until one year after the expiry of the resource consent.

37. That the bond is to be given by the consent holder within 3 months of the commencement of this consent.

38. That the form of the bond is to be prepared by the ARC's Solicitors and the holder is to pay the ARC's costs on preparation and execution of the bond.

39. That if the consent is transferred in part or whole to another party or person, the bond shall continue until any outstanding work at the date of transfer is completed to ensure compliance with the conditions of this consent unless the ARC is satisfied adequate provisions have been made to transfer the liability to the new consent holder.

40. That in the event of any such transfer of the consent, the Consent Holder shall ensure that the transferee forthwith provides a replacement bond to the ARC on the terms required by the Bond Conditions.

COMMUNITY LIAISON GROUP

41. That the Consent Holder shall consult with the local community as soon as practicable to facilitate continuation of the established Community Liaison Group (CLG). Parties to be consulted will include owners and occupiers of all premises within 500 metres of the site boundary, relevant community organisations such as the Hunua Environmental Protection Society Incorporated (HEPSI), Papakura District Council, and the ARC.

42. That the Consent Holder shall ensure:

    (a) That invitations to participate in the CLG shall be distributed to potential members including all those identified in condition 41, with the objective that the CLG comprise up to five representatives of the local community, as well as representatives of the Consent Holder, Papakura District Council and the ARC. The membership of the CLG shall be reviewed triennially, or more frequently if appropriate, and invitations to participate distributed to potential members.

    (b) That its representative attends each formal meeting of the CLG, which shall be held within six months of the date of commencement of this consent and at least once every six months thereafter, unless otherwise agreed at a greater or lesser frequency by majority decision of the CLG membership.

    (c) That the purpose of the CLG shall be as agreed by the CLG to discuss matters relevant to the effects of quarry operations beyond the site boundary, including, but not limited to, results of monitoring, future development proposals or proposals to vary or apply for consents, concerns and complaints of residents, particularly where the concern or complaint pertains to a matter of general as opposed to individual interest, and aspects of any non-compliance and means of alleviating them.

    (d) That an agenda listing matters for discussion and relevant written information regarding the matters on the agenda is provided to the CLG at least one week prior to each meeting,

(e) That the minutes of the CLG and details of action points to be followed up shall be forwarded to the members and attendees of the CLG and the parties listed in condition 41 upon request within one month of each meeting being held.

(f) That at least two weeks notice in writing of the date, time and location of the next CLG is given to the members of the CLG.

GENERAL CONDITION

43. That the Consent Holder shall, in the event of the abandoning of work on-site, first take adequate preventative and remedial measures to control sediment discharge, and shall thereafter maintain those measures for so long as necessary to prevent sediment discharge from the site. All such measures shall be of a type, and to a standard, which are to the satisfaction of the Manager.

CONSENT REVIEW

44. That the conditions of this consent may be reviewed by the Manager pursuant to Section 128 of the Resource Management Act 1991, by the giving of notice pursuant to Section 129 of the Act, in July 2010 and not more frequently than two yearly intervals thereafter. The purpose of the review shall be;

a) To deal with any adverse effects on the environment which may arise from the exercise of the consent, where it is appropriate to deal with such effects at a later stage.

b) To require the Consent Holder to adopt the best practicable option to avoid or mitigate any adverse effect on the environment.

c) To deal with any other adverse environmental effect, which the exercise of the consent may have an influence on.

d) To alter the monitoring requirements, including requiring further monitoring, or increasing or reducing the frequency of monitoring and frequency of reporting.

ADVICE NOTES

1. The Land Use Consent: Sediment Control and associated conditions shall be included with any Contract Documents and all personnel working on the site (consultants, contractors and sub contractors) shall have access to the relevant documentation inclusive of the consent conditions.

2. The Consent Holder is advised that the date of the commencement of this consent will be as determined by Section 116 of the RMA, unless a later date is stated as a condition of this consent.

3. The Consent Holder shall make the Contractor/Consultant associated with the proposed works aware of the Industry Education Programme available to Plan Preparers and Plan Implementors through the ARC.

4. The Consent Holder is advised that they will be required to pay to ARC any administrative charge fixed in accordance with Section 36(1) of the Resource Management Act 1991, or any additional charge required pursuant to Section 36(3) of the Resource Management Act 1991 in respect of this consent.

5. The Consent Holder is referred to Section 124 of the Resource Management Act 1991, which provides for the exercising of a consent while applying for a new consent for the same activity.

6. The Consent Holder is advised that, pursuant to Section 125 of the Resource Management Act 1991, this resource consent lapses on the expiry of five years after the date of commencement of this consent unless the consent is given effect to or other criteria contained with Section 125 are met.

7. The Consent Holder is advised that, pursuant to Section 126 of the Resource Management Act 1991, if this resource consent has been exercised, but is not subsequently exercised for a continuous period of five years, the consent may be cancelled by the ARC unless other criteria contained within Section 126 are met.

8. In the event of archaeological evidence being uncovered (e.g. shell middens, hangi or ovens, pit depressions, defensive ditches, artifactual material or human bones) work is to cease in the vicinity of the discovery, and the Archaeologist, Auckland Regional Council, is to be contacted so that the appropriate action can be taken before any work may recommence there.

9. Any archaeological sites within the area affected by this operation shall not be modified or disturbed in any way unless written authorisation has been obtained from the NZ Historic Places Trust.

10. This consent does not absolve the grantee from obtaining all other necessary consents or permits that may be required for the activity.

11. The Consent Holder shall ensure that there are adequate provisions on site to prevent possible fuel spillage.

12. Machinery shall be kept clear of watercourses at all times, except as authorised by a resource consent.

13. The consent holder shall ensure that no unauthorised fill is imported to the site.

CONDITIONS OF CONSENT

B This consent is granted subject to compliance with the following conditions which are imposed pursuant to Sections 108, 125 and 128 of the Resource Management Act 1991:

General Accordance:

1. That the vegetation removal and associated revegetation activities shall be undertaken in general accordance with the information provided in the land use consent application dated 26 April 2007 (including plans and further information provided) and information presented at the Council resource consent hearing, except as amended by the conditions of this consent. This shall also include any other plan referred to in the conditions of this consent.

Lapsing of Consent:

2. Pursuant to Section 125(1) of the Resource Management Act 1991 this land use consent shall lapse 30 years from the date resource consent is granted, unless the consent is given effect to prior to that date, or an application to extend the period after which the consent lapses is granted by the Papakura District Council.

Vegetation Removal:

3. The area of vegetation removed from the land shall at no time exceed the area of vegetation that is required to be planted by the conditions of this consent. On request or at the completion of each calendar year, the consent holder shall provide information to the manager - resource consents (Papakura District Council) detailing the extent of vegetation that has been removed and subsequent revegetation that has taken place.

4. In planning and carrying out any removal of revegetation, the consent holder shall take all reasonable steps to ~~minimise~~ avoid such removal during the nesting season (September - February) in areas known or likely to contain nesting sites for kereru (native pigeon), including, where appropriate, steps to deter nesting in the areas intended to be cleared during the next season. The consent holder shall advise the manager - resource consents (Papakura District Council) of such steps intended to be taken prior to 31 August each year.

5. That no vegetation shall be removed from the area identified as Vegetation Area 22 within the application documents, until it has been confirmed in writing by the manager - resource consents (Papakura District Council) that Council is satisfied that conditions 11 and 12 below have been complied with.

6. That no vegetation shall be removed within 30 metres of the legal boundary of Lot 1 DP 60065, or within 40 metres of this boundary where it coincides with a natural watercourse, as measured in plan view ("**vegetation protection buffer areas**"). For information purposes, the indicative boundary of Lot 1 DP 60065 and the general location of the vegetation protection buffer areas are shown on Plan AD5120-200 Revision B (09/10/09).

Revegetation Plantings:

7. The consent holder shall provide mitigation for the progressive loss of all vegetation that will be removed. The mitigation shall be through the provision of 39.9 hectares of indigenous forest and habitat comprising new and replacement planting or the enhancement of existing indigenous vegetated areas on land described as:

- Pt Allotment 38 Parish of Hunua
- Lot 1 DP 105061
- Lot 1 DP 120541
- Lot 2 DP 115598
- Lot 5 DP 152736
- Lot 1 DP 109558

8. All areas of revegetation shall be established prior to the commencement of vegetation removal activities in stage 5.

9. That revegetation / enrichment planting of Area 1a (as shown on Figure 4.1 of the application documents) shall be undertaken to ensure that views of the wider landscape from Lot 4 DP 152736 are retained.

10. That the consent holder shall undertake revegetation to provide replacement riparian margin habitat in the area identified on Plan WA-RP1 as soon as practicable following the grant of resource consent.

11. That the consent holder shall ensure that prior to the commencement of stage 4, revegetation has been undertaken to ensure that replacement habitat of at least 8 hectares has been established to sustain indigenous bird species (including NZ pigeon) displaced through the removal of Vegetation Area 22.

12. Prior to the commencement of Stage 4, the consent holder shall provide a report from a suitably qualified person which confirms that the requirements of condition 11 above have been satisfied. No work shall commence on Stage 4 until confirmation has been received in writing from the manager - resource consents (Papakura District Council) that condition 11 has been complied with to the satisfaction of the Council.

13. That revegetation plantings shall be undertaken to achieve the following outcomes:

    (i) To be representative of the ecology of the surrounding indigenous vegetation and habitat in the area.

    (ii) To be self supporting and sustainably viable in the long term without requirement for intensive management.

    (iii) To create ecological links to other adjoining areas of indigenous vegetation.

    (iv) To restore riparian vegetation to degraded stream margins within Pt Allotments 38 Parish of Hunua.

    (v) To reduce potential threats to existing remnant vegetation and proposed revegetation areas from introduced weeds and animal pests.

14. That the consent holder shall undertake weed and animal pest control within the parcels of land described in conditions 7 and the land subject to condition 6 above ~~15~~, including but not limited to existing remnant vegetation and proposed vegetation areas.

15. That conservation covenants pursuant to Section 77 of the Reserves Act 1977 shall be put in place and registered over existing remnant areas of indigenous vegetation on the land that are not subject to vegetation removal activities, with the exception of land located within the quarry zone described as:

    - Pt Allotment 79 Parish of Hunua; and
    - Lot 1 DP 60065 (excluding all of that land subject to condition 6 above).

Advice Note: In the event that application for subdivision consent under the Lots for Conservation Purposes, is made in the future for the Friedman Block (Pt Allotment 38 Parish of Hunua), the covenanting of indigenous vegetation as part of this application for resource consent, shall not negate the ability to subdivide under Rule 7.1.5.2.1 of the Operative Papakura District Plan, provided that it is demonstrated at the time of subdivision that the performance standards and assessment criteria of this rule are complied with.

16. That following the completion of replanting activities of the identified revegetation conservation covenants pursuant to Section 77 of the Reserves Act 1977 shall be put in place and registered over these areas.

Advice Note: it is intended that the conservation covenants required by conditions 15 and 16 will be covered by one covenant document registered on the relevant certificates of title. As revegetation and remnant areas are covenanted it is considered that the relevant covenant areas will be added to a survey plan and the covenant documents amended to include any new covenant areas.

17. The consent holder shall be responsible for meeting all costs and expenses incurred by the Papakura District Council in the preparation, execution, completion, registration and monitoring of the covenants.

18. The conservation covenants required by conditions 15 and 16 shall include the following conditions:

(a) To not do, or allow to be done any of the following acts:

(i) fell, remove, destroy or damage any indigenous vegetation without the prior written approval of the Manager - Resource Consents, Papakura District Council. The Manager - Resource Consents shall only give approval if the actions are necessary for the purpose of fulfilling the terms of the covenant and / or for complying with the conditions of this consent and / or the conditions of Auckland Regional Council Permit 32151, Permit 34132, Permit 34129 and / or Permit 34131.

(ii) introduce any substance injurious to any indigenous vegetation, or do anything that may prejudice the health of any indigenous vegetation

(iii) carry out earthworks, remove soil rock or stone, or damage or destroy the natural environment or landscape amenity in any way

(iv) store, dump, pile or place or allow to accumulate any rubbish or waste material of any kind

(v) allow decaying vegetation, tree branches or substances of any kind to be deposited on or remain (except that naturally occurring from the indigenous vegetation)

(vi) erect, place or construct any building, fence or other structure of any kind (other than stock proof fences around the perimeter of the land)

(vii) take any action or do anything to cause deterioration of any natural flow or supply of any water course or recourse

(viii) light any fires or allow any fires to spread.

(b) To take reasonable steps to:

(i) prevent the introduction or spread of all exotic tree species, and noxious plants and weeds

(ii) promptly repair any damage to the indigenous vegetation caused by human intervention by replanting and reseeding using indigenous species

(iii) prevent erosion as far as practicable

(iv) exclude the general public

(c) To take all reasonable steps to eradicate nuisance, noxious and invasive species of flora.

(d) To take all reasonable steps to keep the conservation areas free from plant pests.

(e) As far as practicable to keep the conservation areas free from any cats, rats, possums, stoats, goats and other vermin and animal pests.

(f) To erect and maintain fences ~~along the boundaries of the conservation area~~ in good stock proof condition either along property or conservation area boundaries,~~.~~ ~~O~~or other alignments as necessary to exclude stock from any conservation areas.

(g) At the request of Council do all things reasonably necessary to give proper effect to the intent of the Council to protect the indigenous vegetation and the conservation area.

19. The penalty for breach of the conservation covenants required by conditions 15 and 16, as identified in any notice issued by Council shall be $2,000.00 in respect of each and every breach or failure.

20. Prior to the removal of any vegetation authorised by this consent, the consent holder shall submit a vegetation clearance and vegetation management plan prepared by a suitably qualified person for approval by the manager - resource consents (Papakura District Council). At a minimum this plan is to address:

(i) achievement of conditions 7 - 16 above

(ii) the methodology (including identification of ecological indicators) to be used to confirm that condition 12 has been complied with

(iii) the programming of removal of vegetation

(iv) the nature and programming of revegetation to be undertaken (including timing, species, plant size and spacing, siting of species, extent and location of planting area)

(v) the nature of weed and/or animal pest control to be implemented (timing, extent, location, methods, monitoring)

(vi) consultation undertaken in the development of the management plan, particularly in relation to removal and revegetation in the vicinity of Middleton Road and adjacent to any riparian areas

(vii) the extent to which the outcomes of consultation have been incorporated into the management plan

(viii) procedures to be put in place to maintain plantings and replace any failed plantings

(ix) reporting of revegetation progress to residents' group on an annual basis

(x) procedures for implementing, monitoring, review and amendment of the management plan.

Advice Note: The manager's approval will not be unreasonable withheld provided that all necessary / required information is provided and Council is afforded reasonable time able to undertake any further consultation or peer reviews as may be deemed necessary. It is expected that information may change over time and that the indicative schedule of vegetation clearance and management presented to the Council will need to be amended from time to time.

21. The consent holder shall ensure that all revegetation works are undertaken in general accordance with the vegetation management plan.

22. That monitoring of revegetated areas is to be undertaken and reported annually for the first five years to the manager - resource consents (Papakura District Council) until it is demonstrated that the revegetated areas have been established to a point where long term health and sustainability is ensured without requirement for intensive management.

On the completion of the first five years of reporting, the manager - resource consents (Papakura District Council) may amend the required reporting period to be every two years if this is deemed at that time to be appropriate.

23. To ensure compliance with condition 22, the consent holder shall prepare and submit a monitoring programme for approval by the manager - resource consents (Papakura District Council). At a minimum the monitoring programme shall address the following:

- Establishment of performance / ecological indicators to monitor the ongoing management, development and long term health / sustainability of revegetated areas; and

- Establishment of procedures to be followed in the event that the monitoring programme indicates revegetation is not being successful.

Lizard Relocation:

24. Prior to the commencement of vegetation removal activities the consent holder shall provide a plan to the manager - resource consents (Papakura District Council) showing the location of protected native lizard habitat areas on the subject property.

25. That prior to the commencement of vegetation removal activities the consent holder shall submit a Lizard Relocation Plan prepared by a qualified and experienced herpetologist, in consultation with the Hunua Community Liaison Group and the Hunua Environmental Protection Society Incorporated, to the manager - resource consents (Papakura District Council) for approval. This plan shall set out the procedures to be implemented in relocating native lizards and as a minimum shall set out:

- The procedures to be followed to capture native lizards including the required weather conditions.

- The methods and timing of vegetation clearance required to facilitate the capture of native lizards.

- The timeframe allowed for the capture of native lizards.
- The management techniques for captive lizards.
- The location(s) where captured lizards will be released.
- Any habitat preparation, including plant and pest control, that is needed to help ensure that the released lizards will survive in their new location(s).
- The post-release monitoring provisions to enable assessment and review of the relocation procedures, including the annual reporting of the number of Auckland Green Gecko captured, and relocated ~~and surviving~~ within identified relocation areas.
- A methodology for monitoring and reporting the relative abundance and population trends of Auckland Green Gecko at relocation release sites.
- The outcomes of any consultation undertaken including the names of parties consulted, their views on the Lizard Relocation Plan (including any specific areas of disagreement) and any changes made in response to consultation.

Advice Note: The manager's approval to the Lizard Relocation Plan will not be unreasonably withheld provided that all necessary/required information is provided and that Council is afforded reasonable time to undertake such further consultation or peer review which it may deem necessary.

26. No vegetation removal works in the areas identified on the plan required by condition 24 shall commence, until the consent holder is advised in writing by the Manager - Resource Consents (Papakura District Council) that Council is satisfied that the proposed locations for the release of captured native lizards are suitable for sustaining the protected species.

Advice Note" In ensuring compliance with this condition Council will liaise with Auckland R~~r~~egional Council and Department of Conservation or their appropriately qualified delegates to confirm the suitability of habitat areas for the release of Auckland Green Gecko.

27. Prior to the capture and relocation of any protected native lizards the consent holder shall provide copies of any permissions obtained under the Wildlife Act 1953 to the manager - resource consents (Papakura District Council). No capture of native lizards shall be permitted to commence until any such permission have been received by Council. The consent holder shall at the same time advise the ~~residents' group~~ established Community Liaison Group (CLG) (which consists of owners and occupiers of all premises within 500 metres of the site boundary, relevant community organisations such as the Hunua Environmental Protection Society Incorporated (HEPSI), Papakura District Council, and the ARC) of the granting of such permissions.

Weed and Pest Management Plan:

28. That the consent holder shall, prior to the commencement of vegetation clearance activities, submit a weed a pest management plan to the manager - resource consents (Papakura District Council) for approval. This plan should include at a minimum:

- Details of the scale and type of pest control proposed
- Measures by which native forest birds and reptiles are to be protected from pests

- Control programme for mustelids, feral cats, feral goats, deer and rodents (particularly during breeding seasons)

- Measures for the achievement of 3% possum ~~and rat~~ Residual Trap-Catch (RTC) levels on an annual basis, and measures for the achievement of an average rate tracking tunnel index of 5% as measured over the period of rat control for that year

- Detailed integration with the pest control requirements in the vegetation management plan and the lizard relocation management plan

Noise Management:

29. That noise emitted from vegetation removal activities at or within 30 metres from any dwelling outside the Hunua Quarry Aggregate Resource Protection Area shall not exceed 55dBA (L10).

30. That noise emitted from vegetation removal activities at or within 30 metres from any dwelling established prior to 1 January 2001 outside the Quarry Effects Line shall not exceed 55dBA (L10).

31. That noise emitted from vegetation removal activities at or within 30 metres from any dwelling established after 1 January 2001 and located between the Hunua Quarry Aggregate Resource Protection Area and the Quarry Effects Line shall be managed in accordance with the protocol established between Papakura District Council and Winstone Aggregates as contained in registered encumbrance documents.

32. That noise emitted from vegetation removal activities and received at the quarry effects line identified on the planning maps shall not exceed 65dBA (L10).

33. That vegetation removal activities shall not be permitted on Sundays or public holidays.

34. That the hours of operation for vegetation removal activities Monday to Friday shall be 7am - 6pm.

35. That the hours of operation for vegetation removal activities on Saturdays shall be 7:30am - 4pm.

36. That noise emission levels shall be measured and assessed in accordance with the requirements of the NZS 6801:1991 Measurement of Sound and NZS 6802:1991 Assessment of Environmental Sound. Should Council adopt standards that supersede these standards they will be used in place of the standards above.

~~37. That the consent holder shall prepare a monitoring programme for the monitoring of noise emission from vegetation removal activities for approval by the manager - resource consents (Papakura District Council). This programme shall include but not be limited to:~~

- ~~The identification of monitoring sites surrounding the quarry zone both from motional residential boundaries and the quarry effects line.~~

- ~~The procedures to be put in place for undertaking monitoring activities.~~

- ~~The timing and frequency of monitoring to be undertaken.~~

- ~~The procedures to be followed in the event that it is discovered that noise emitted from vegetation removal activities do not comply with conditions 29 - 32 above.~~

~~38. That the consent holder shall undertake monitoring of noise emission from vegetation removal activities in accordance with the noise monitoring programme approved under condition 37 above. No vegetation removal activities shall commence until the noise monitoring programme has been approved by Council.~~

3~~9~~7. That prior to vegetation removal activities commencing the consent holder shall verify through on-site monitoring at source that the vegetation clearance equipment to be used have noise emissions which are able to comply with District Plan requirements. ~~No vegetation clearance activities shall commence until a~~A verification report ~~verifying that the equipment to be used is able to comply with conditions 29 - 32 above is~~shall be provided to the Manager - Resource Consents (Papakura District Council). This equipment monitoring shall be required prior to the initial vegetation removal activities and then again only if the vegetation clearance equipment changes from that which was originally monitored. The consent holder shall provide the Manager - Resource Consents a vegetation clearance work programme which can be shared with the CLG.

Dust Management:

4~~0~~38. That the consent holder shall ensure that following vegetation removal activities and prior to quarrying activities commencing that all adequate measures are taken to control the emission of dust beyond the boundaries of the subject property. A dust management plan shall be submitted to the manager - resource consents (Papakura District Council). This plan at a minimum shall address:

- The procedures to be put in place to control the emission of dust nuisance from earthworks associated with vegetation removal activities.
- The measure to be implemented in the event that objectionable levels of dust from vegetation removal activities are emitted beyond the boundaries of the subject property.

Advice Note: The plan required by condition 40 may be the Air Quality Management Plan required by Auckland Regional Council Air Discharge Permit 34130 provided that it includes the procedures and measures set out in the bullet points above.

Discovery of Archaeological Items:

4~~1~~39. That if subsurface archaeological evidence should be unearthed during vegetation removal activities, work shall cease in the immediate vicinity of the find and the historic places trust and the manager - resource consents (Papakura District Council) should be notified.

4~~2~~40. That in the event of any human remains being uncovered during vegetation removal activities, work shall cease in the immediate vicinity of the find and the Historic Places trust, NZ Police, tangata whenua, and the manager - resource consents (Papakura District Council) should be notified.

4~~3~~41. In the event that any archaeological evidence or human remains are discovered, no works in the immediate vicinity of the find shall commence until the necessary statutory approvals under the Historic Places Act 1993 have been obtained and provided to Council or if not governed by that Act written confirmation is provided by the manager - resource consents (Papakura District Council) that works may recommence.

Monitoring:

~~44~~42. The consent holder shall pay to the Council a consent compliance monitoring charge of $262 (including GST) plus any further monitoring charge or charges to recover the actual and reasonable costs that have been incurred to ensure compliance with the conditions of this consent.

~~45~~43. The consent holder will be advised of any further monitoring charge or charges as they fall due. Such further charges are to be paid within one month of the date of invoice.

~~46~~44. The consent holder is requested to notify Council, in writing, of their intention to begin vegetation clearance, a minimum of 14 days prior to commencement. Such notification shall be sent to the manager - resource consents (Papakura District Council).

Review of Conditions:

~~47~~45. Pursuant to Section 128 of the Resource Management Act 1991, the Papakura District Council may review the conditions of this consent, by giving notice pursuant to Section 129 of the Act, two years after the date of the consent and not more frequently than two yearly intervals thereafter. The purpose of the review shall be:

(a) To deal with any adverse effects on the environment which may arise from the exercise of consent, where it is appropriate to deal with such effects at a later stage.

(b) To deal with any other adverse environmental effect, which may arise from the exercise of the consent that was not readily apparent at the time resource consent was granted.

(c) To determine the effectiveness of the revegetation requirements of this consent, and assess any further requirements that may be necessary as a consequence of monitoring undertaken.