

RC200343: Land Use Consent

General

1. The proposed activities shall proceed generally in accordance with the information and plans submitted with the application, dated 23 October 2020 and with the evidence submitted by the Consent Holder at the hearing. Should there be any inconsistencies between those documents and consent conditions, the consent conditions shall prevail.
2. The lapse date for the purpose of Section 125 shall be 5 years from the date of granting the consent.
3. The annual volume of aggregate material extracted from the Quarry shall be less than 100,000m³. The extraction of minerals from the surface or from an open pit shall be at a rate less than 20,000 m³ per month and 100,000 m³ per year.
4. Activities authorised by this consent shall not give rise to dust or the deposition of particulate matter that causes a noxious, dangerous, objectionable or offensive effect beyond the boundary of the site.

Bunds and fencing

5. Within 12 months of the exercise of this consent, the Consent Holder shall plant or stabilise by other means the existing bunds within Lot 8 DP 301379 and shall plant the new section of bund to be formed within Lot 8 DP 301379 along its boundary with Lot 2 DP 508108 shown in 'Site Plan Rev F' attached as Appendix 1 to this consent. Following the construction of the new section of bund, it shall be immediately stabilised using mulch or another suitable product. As soon as practicable following construction, it shall be planted with native groundcover plant species and thereafter watered to ensure cover is established and maintained. Dust control measures shall be put in place during formation of the bund to ensure compliance with Condition 4 of this consent.
6. The Consent Holder shall rabbit proof all fences around the boundary of the site.

Management Plans

7. At least one month prior to exercising this resource consent, the Consent Holder must prepare a Quarry Management Plan (QMP) for certification by the Consent Authority.
 - a) The QMP must include, but not be limited to: A plan showing the areas of extraction, the location of the screening and crushing plant, and the location of the aggregate stockpiles;
 - b) The contact details of the quarry manager;
 - c) A description of the proposed methods of any enabling works including stripping and placement of material;
 - d) A description of all relevant site operations and procedures;
 - e) A description of all environmental effects, including (but not limited to) noise, dust and visual effects;
 - f) All operational traffic aspects;
 - g) All consent conditions and any other mitigation measures to be employed to minimise environmental effects and/or adhere to best practice;
 - h) Relevant monitoring and reporting requirements.
8. At least one month prior to exercising this resource consent, the Consent Holder must prepare a Dust Management Plan (DMP) for certification by the Consent Authority.

9. The DMP must include, but not be limited to:

- (a) A description of the purpose of the DMP;
- (b) A description of the dust sources on site;
- (c) A description of the receiving environment and identification of sensitive receptors within 250 metres of site boundaries (sensitive receptors being any dwelling and the land within 20m of the façade of an occupied dwelling's notional boundary, and sensitive commercial crops);
- (d) The methods (including dust reduction through design methodologies) which will be employed as necessary to ensure compliance with the Condition 4 of this consent;
- (e) A description of site rehabilitation methodology and associated dust control measures;
- (f) A description of procedures for responding to wind conditions which have the potential to generate dust and associated follow up investigations, actions and recording of findings;
- (g) A system for training employees and contractors to make them aware of the requirements of the DMP;
- (h) Names and contact details of staff responsible for implementing and reviewing the DMP in order to achieve the requirements of this consent, and procedures, processes and methods for managing dust outside of standard operating hours;
- (i) A method for recording and responding to complaints from the public;
- (j) Contingency measures for responding to dust suppression equipment malfunction or failures;
- (k) A procedure for completing an end-of-day dust control checklist.

10. The Consent Holder shall carry out its activities in accordance with the QMP and DMP at all times.

11. Works authorised by this consent must not commence until the Consent Holder has received written certification of the QMP and DMP. Notwithstanding this, the works may proceed if the Consent Holder has not received a response from the Central Otago District Council within 20 working days of the date of the submission of the QMP and DMP.

Hours of Operation

12. The hours of operation for quarry activities other than monitoring and dust suppression are limited to:

Monday to Saturday (excluding public holidays):

- a) Arrival and departure of staff: 0600 - 2000;
- b) Site excavation, processing, dump truck, loader and purchasing truck movements: 0700 - 1900 hours except that no more than twice per week, up to 4 purchasing trucks may enter the site, be loaded and depart the site between 0600 - 0700 Monday to Friday and between 1900 – 2000 Monday to Friday provided that:
 - i. no more than 1 truck shall be loaded in any 15 minute period between 0600 – 0700; and
 - ii. between the hours of 0600 – 0700, no truck shall be loaded with any product larger than 22mm concrete aggregate.

Sundays and public holidays: Dust management activities only.

Noise

13. Operation of processing plant shall be restricted to the hours of 07:00 to 19:00, Monday to Saturday.

14. Noise from the operation of the quarry must comply with the following noise limits as assessed at the notional boundary of any dwelling when measured in accordance with NZS 6801:2008 Acoustics – Measurement of environmental sound and assessed in accordance with NZS 6802:2008 Acoustics – Environmental noise. Due to the nature of the proposed activity, no duration adjustment in accordance with NZS 6802:2008 shall be permitted.

Day	Time period	Noise limit
Monday to Saturday	07:00 to 20:00	55 dB L _{Aeq} (15 min)
At all other times		40 dB L _{Aeq} (15 min) and 70 dB L _{Amax}

15. All vehicle reversing alarms on quarry-based equipment or trucks, shall only be broadband reversing alarms.
16. Construction activities shall be managed in accordance with the requirements of NZS 6803:1999 Acoustics – Construction Noise and any noise generated shall comply with the limits given in Table 2 of that standard.
17. For the purposes of this consent “construction activities” means activities associated with the establishment, or rehabilitation of the quarry, such as: site establishment; the construction and removal of bunds, topsoil stripping, constructing slope batters and contouring the final land. If ongoing backfilling activity associated with the construction of slope batters occurs at the same time as the quarry is operational, this is not considered to be construction noise and shall comply with the operational noise limits for the site.
18. Compliance monitoring of the daytime noise generated by quarrying activities shall be measured and assessed by a suitably qualified and experienced acoustic consultant 24 months after the exercise of this consent. The measurements required by this condition shall include day time noise readings taken at a time when processing machinery is operating simultaneously with quarrying activity. Within 10 working days of monitoring, a report describing the measurement results and compliance or otherwise with the noise limits in Condition 14 shall be submitted to the Consent Authority.

Traffic

19. The activity shall be limited to a maximum of 75 heavy vehicle movements per day.
20. Vehicle and heavy machinery speeds within the site shall not exceed 30 km/h.

Hazardous Substances

21. To minimise the risk posed from Hazard Substance spills:
- a) The consent holder shall take all practicable measures to avoid spills of fuel or any other contaminant within the site.
 - b) Permanent storage of fuel or lubricants shall only occur within the workshop area identified on ‘Site Plan Rev F’ attached as Appendix 1.
 - c) No machinery shall be cleaned, stored or refuelled within 10 metres of any waterbody, water flow channel or stormwater system.
 - a) A spill kit of suitable capacity shall be kept on site at all times.
22. In the event of a spill of fuel or any other contaminants, the consent holder shall clean up the spill as soon as practicable and take measures to prevent a recurrence.

23. The consent holder shall inform the Central Otago District Council and the Amisfield Estate Society Incorporated within 24 hours of any spill event greater than 4 litres and shall provide the following information:

- a) The date, time, location and estimated volume of the spill;
- b) The cause of the spill;
- c) The type of contaminant(s) spilled;
- d) Clean up procedures undertaken;
- e) Details of the steps taken to control and remediate the effects of the spill on the receiving environment and an assessment of the risks to the Amisfield Estate Water Supply Bore; and
- f) An assessment of any potential effects of the spill and measures to be undertaken to prevent a recurrence.

Ecology

24. Any planting required as part of mitigation for the proposed works shall be accompanied by a pest management plan identifying the control of pest plant and animal species including rabbits that may impact on the viability of the mitigation proposed.

Accidental Discovery Protocol

25. In the event of any discovery of archaeological material:

- a) The consent holder shall immediately:
 - i. Cease extraction operations in the affected area and mark off the affected area;
 - ii. Advise the Central Otago District Council of the disturbance; and
 - iii. Advise Heritage New Zealand Pouhere Taonga of the disturbance.
- b) If the archaeological material is determined to be Koiwi Tangata (human bones) or taonga (treasured artefacts) by Heritage New Zealand Pouhere Taonga, the consent holder shall immediately advise the office of Kāi Tahu of the discovery.
- c) If the archaeological material is determined to be Koiwi Tangata (human bones) by Heritage New Zealand Pouhere Taonga, the consent holder shall immediately advise the New Zealand Police of the disturbance.
- d) Work may recommence once Heritage New Zealand Pouhere Taonga (following consultation with Kāi Tahu if the site is of Maori origin) confirms to Central Otago District Council that appropriate action has been undertaken.

Rehabilitation

26. At least five years prior to ceasing the extraction activities, the consent holder shall submit to the Central Otago District Council a Closure and Rehabilitation Plan for the site.

The Closure and Rehabilitation Plan shall provide for:

- a) Removal of all buildings, other structures and plant from the site.
- b) Recontouring of the land to provide a stable profile.
- c) Management of dust to avoid nuisance beyond the site.
- d) Record keeping requirements of any material to be brought to the site as part of the rehabilitation process.
- e) Re-establishment of topsoil and grass utilising best practice.
- f) Appropriate drainage of the site, to avoid uncontrolled runoff into any water body.
- g) Leaving the site in a clean and tidy state.

The Closure and Rehabilitation Plan shall be prepared in consultation with adjoining landowners and Kāi Tahu. Feedback received from those persons shall be included for the information of Central Otago District Council.

27. Implementation of the Closure and Rehabilitation Plan shall not commence until the Consent Holder has received written certification of that Plan from the Central Otago District Council. Notwithstanding this, the works may proceed if the Consent Holder has not received a response from the Central Otago District Council within 20 working days of the date of the submission of the Plan.

Complaints Register

28. The consent holder shall maintain and keep a register for complaints regarding all aspects of operations at the site related to the exercise of this consent, received by the consent holder. The register shall record:

- a) the date, time and duration of the event/incident that has resulted in a complaint;
- b) the location of the complainant when the event/incident (if possible, specify nature of incident e.g. dust nuisance) was detected;
- c) the possible cause of the event/incident;
- d) the weather conditions and wind direction at the site when the event/incident allegedly occurred;
- e) any corrective action is undertaken by the consent holder in response to the complaint;
- f) any other relevant information.

29. The complaints register shall be available to the Central Otago District Council on request.

30. Complaints received by the consent holder that may indicate non-compliance with the conditions of this resource consent shall be forwarded to the Central Otago District Council within 5 days of the complaint being received.

Annual Report

31. The consent holder shall submit an Annual Report which addresses the following:
- a) The volume of material removed from the site in the preceding 12 months.
 - b) Complaints Records for the preceding 12 months.
 - c) Any amendments made to the Quarry Management Plan or Dust Management Plan.

Bond

32. Within three months of the commencement of this consent, the consent holder shall enter into an enforceable agreement and bond with the Central Otago District Council for a sum of \$150,000.00 (and this shall be adjusted annually on the anniversary of the land use consent to increase the bond amount based on the consumer price index (CPI) or to be reduced on a pro rata basis if areas of rehabilitation have been completed that year). If following the closure of the quarry the consent holder defaults on implementing the Closure and Rehabilitation Plan, this bond is to meet the cost of –

- a) removal of any plant or buildings.
- b) recontouring of the quarry area, respreading of subsoils and topsoil, re-establishing grass, and establishment of drainage sufficient to meet the post quarrying land use.
- c) leaving the land in a clean and tidy state.

Review

33. In accordance with section 128 of the Resource Management Act 1991, the conditions of this consent may be reviewed on each anniversary of the date of this consent coming into force if:

- a) there is or is likely to be an adverse environmental effect that is greater than minor that results from the exercise of this consent, which was unforeseen when the consent was granted,

- b) monitoring the exercise of this consent has revealed that there is likely to be an adverse effect on the environment that is greater than minor.
- c) there has been a change of circumstances such that the conditions of the consent are no longer appropriate in terms of the purpose of the Act.

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RM20.360.02: Discharge Consent

DISCHARGE CONSENT

Pursuant to Section 104B of the Resource Management Act 1991, the Otago Regional Council grants consent to:

Name: Cromwell Certified Concrete Limited

Address: 810 Great South Road, Penrose, Auckland 1061

Activity: To discharge contaminants to land for the purpose of gravel washing and dust suppression

Term: 25 years

Location of consent activity: 1248 Luggate-Cromwell Road (State Highway 6)

Legal description of consent location: Lots 5 and 8 DP 301379

Conditions:

1. This consent shall be exercised in conjunction with water permits RM16.108.01 and RM20.360.01 (or any permits granted which replace those permits) which authorise the abstraction of water from bores G41/0456 and G41/0127.
2. The volume of water discharged shall not exceed:
 - a) 2,592 cubic metres per day;
 - b) 80,352 cubic metres per month;
 - c) 725,760 cubic metres per year.
3. No contaminants other than silt and sediment shall be discharged into the Pisa Groundwater Management Zone.

Advice note: for the purpose of this consent, silt and sediment is the natural fine material that results from the crushing and washing aggregate.
4. The discharge treatment system shall be located at approximate map reference NZTM (NZDG2000) E1305493 N5017426 and shall include a primary settlement pond with minimum dimensions of 40 m long, 5 m wide and 1 m depth with an overflow to a larger infiltration/settlement pond. These ponds shall be maintained in effective operating condition at all times, including at least:
 - a) Three monthly inspections; and
 - b) Pond desludging at least 6 monthly or more frequently if required.
5. The Consent Holder shall ensure that there is no direct discharge from the ponds to any surface watercourse.
6. Within six months of this consent being exercised and subject to permission from the owner of Lot 6 DP 301379, a water quality monitoring bore shall be installed on Lot 6 DP 301379 within 25 m of the marked location (map reference NZTM (NZGD2000) E1305256, N5017332) illustrated in Appendix 1 to this consent with the following specifications:
 - a) A minimum depth of approximately 31 m below ground level;
 - b) Bore diameter of approximately 100 mm (to allow for two 50 mm nested piezometers);
 - c) Screened for the bottom two metres and the upper two metres of saturated groundwater, as indicated from the bore log;

- d) Two nested piezometers shall be installed that provide for separation, via grouting, of the top two metres and the bottom two metres of groundwater to enable depth specific groundwater quality monitoring via the piezometers.
7. The bore drilling and installation of the piezometers required by Condition 6 shall be overseen by a suitably qualified person. A report that demonstrates compliance with the requirements of Condition 6 shall be submitted to the Consent Authority within one month of the installation of the bore.
8. The Consent Holder shall take representative water samples quarterly on the same day, starting within one month of this consent being exercised, from:
- the infiltration/settling pond specified in Condition 4;
 - bore G41/0456;
 - piezometers installed in accordance with Condition 6, subject to access being granted by the bore owner;
 - bore G41/0321 and G41/0220, subject to access being granted by the bore owner; and
 - bore G41/0319, subject to access being granted by the bore owner.
- a. Field sampling shall be undertaken for Temperature, pH, Dissolved Oxygen, Electrical Conductivity and Oxidation Reduction Potential using a calibrated water quality meter. Once the field measurements have stabilised, samples shall be taken for analysis by a laboratory with appropriate IANZ accreditation or equivalent for total petroleum hydrocarbons, total suspended solids, turbidity, major cations and anions (sodium, potassium, calcium, magnesium, chloride, sulphate, nitrate, bicarbonate and carbonate), iron, manganese, copper, chromium, arsenic, zinc and *Escherichia coli*.
- b. The sampling shall be undertaken by a suitably qualified person in general accordance with the National Environmental Monitoring Standards Water Quality Part 1 of 4: Discrete Sampling, Measuring, Processing and Archiving of Discrete Groundwater Quality Data.
- c. If 20 consecutive sampling results from bore G41/0321 show no statistically significant difference in results for total suspended solids or turbidity then the frequency of groundwater testing required of the bores listed in Condition 8 shall reduce to annually until the expiry or surrender of this consent, whichever occurs first.
9. If permission to sample bore G41/0321 is not granted by the owner of that bore, sampling of the new bore required by Condition 6 may be undertaken instead to satisfy Condition 8(c) of this consent. If permission to install and sample the new bore required by Condition 6 is not granted by the owner of that land, sampling of the bores listed in Condition 8 shall be reduced from quarterly to annually after 20 sampling rounds.
10. Before the second anniversary of the exercise of this consent, and every three years thereafter, the Consent Holder shall submit to the Consent Authority (customerservices@orc.govt.nz) a report (undertaken by a suitably qualified water quality expert who has reviewed all the available groundwater quality data) which provides an assessment of whether they consider that the discharge authorised by this resource consent is causing a significant increase in turbidity or total suspended solids concentrations in groundwater from bores G41/0321 or G41/0220. A copy of the report shall also be provided to the owner of bores G41/0321 and G41/0220: Irrigation and Maintenance Limited (highbannockburn@xtra.co.nz).
11. If a report required under Condition 10 concludes that the discharge is causing a significant increase in turbidity effects or total suspended solids in groundwater from bore G41/0321 or G41/0220, the Consent Holder shall within three months of receiving that report implement

additional or alternative sediment treatment/ management measures to reduce the concentration of suspended solids entering the infiltration/settling pond.

- a. The Consent Holder shall report to the Consent Authority as soon as practicable on the completion of any such works; and
 - b. Within 12 months of completion of any additional sediment treatment/management measures, the Consent Holder shall provide a report to the Consent Authority written by a suitably qualified person on the effectiveness of those measures.
12. The Consent Holder shall ensure that the discharge authorised by this consent does not cause any flooding, erosion, scouring, land instability or damage to any adjacent property.
13. The Consent Holder shall submit an Annual Groundwater Report to the Consent Authority before the end of February each year which includes the results of the groundwater quality monitoring required by Condition 8 of this consent during the previous calendar year
14. The Consent Authority may, in accordance with Sections 128 and 129 of the Resource Management Act 1991, serve notice on the Consent Holder of its intention to review the conditions of this consent within 3 months of each anniversary of the commencement of this consent for the purpose of:
- a) Adjusting the consented rate of discharge under condition 2, should the consented amounts or rates of water take approved under Water Permits RM16.108.01 and RM20.360.01 (or any replacement consents) be reduced; or
 - b) Determining whether the conditions of this consent are adequate to deal with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage (including any adverse effects of the discharge to the ponds on groundwater quality in bore G41/0321 or G41/0220); or
 - c) Ensuring the conditions of this consent are consistent with any National Environmental Standards.

Appendix 1: Area for new monitoring bore (Condition 6 of this consent)



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RM20.360.04: Bore Consent

LAND USE CONSENT

Pursuant to Section 104A of the Resource Management Act 1991, the Otago Regional Council grants consent to:

Name: Cromwell Certified Concrete Limited

Address: 810 Great South Road, Penrose, Auckland 1061

Activity: To construct a bore for the purpose of excavating gravel below groundwater

Term: For an unlimited term

Location of consent activity: 1248 Luggate-Cromwell Road (State Highway 6)

Legal description of consent location: Lots 5 and 8 DP 301379

Conditions:

1. If this consent is not given effect to within a period of five years from the date of commencement of this consent, this consent shall lapse under Section 125 of the Resource Management Act 1991. The consent shall attach to the land to which it relates.
2. A new monitoring bore shall be installed within three months of this consent being exercised. This bore shall be located at the downgradient south-eastern boundary of Lot 8 DP 301379 at approximate map reference NZTM(NZGD2000) E1305952 N5016821, as illustrated in Appendix 1 to this consent, and shall be installed under the supervision of a suitably qualified expert. This bore shall be drilled to a depth of approximately 15 m below ground level and shall be screened for at least three metres from the base of the bore.
3. The Consent Holder shall take representative water samples quarterly from bores G41/0456, G41/0111 (subject to permission being granted by the owner of that bore) and the water quality monitoring bore required to be installed by Condition 2 on the same day.
 - a) Field sampling of those bores shall be undertaken for Temperature, pH, Dissolved Oxygen, Electrical Conductivity and Oxidation Reduction Potential using a calibrated water quality meter. Once the field measurements have stabilised, samples shall be taken from each bore for analysis by a laboratory with appropriate IANZ accreditation or equivalent for total petroleum hydrocarbons, total suspended solids, turbidity, major cations and anions (sodium, potassium, calcium, magnesium, chloride, sulphate, nitrate, bicarbonate and carbonate), iron, manganese, copper, chromium, arsenic, zinc and Escherichia coli.
 - b) The sampling required by this condition shall be undertaken by a suitably qualified person in general accordance with the National Environmental Monitoring Standards Water Quality Part 1 of 4: Discrete Sampling, Measuring, Processing and Archiving of Discrete Groundwater Quality Data.
 - c) If 20 consecutive sampling results from the new monitoring bore required by Condition 2 of this consent and bore G41/0111 (provided permission to sample that bore is granted by its owner) show no statistically significant difference in results from each bore for total suspended solids or turbidity, the frequency of sampling of all bores required by Condition 3 of this consent shall reduce to annually until extraction of aggregate on the site has ceased.
 - d) If permission to sample bore G41/0111 is not granted by the owner of that bore, compliance with Condition 3(c) of this consent shall instead be achieved based on the results of sampling from the new bore required by Condition 2 of this consent.

4. Subject to Condition 5 of this consent, results of the water quality sampling required by Condition 3 shall be reported to the Consent Authority and provided to Amisfield Estate Society Incorporated within one week of the sample results being received.
5. Should the measured value of any of the determinants in a sample taken by the Consent Holder in accordance with Condition 3 from bore G41/0111 exceed a NZ Drinking Water Standard Maximum Acceptable Value or Guideline Value (as specified in the New Zealand Drinking Water Standards), then the Consent Holder shall:
 - a) Advise the Consent Authority and Amisfield Estate Society Incorporated within 48 hours of receipt of the sampling results;
 - b) Within one week from the receipt of the sampling results, begin an investigation into the cause of the exceedance. The investigation shall be carried out by a suitably qualified water quality expert and shall include but not be limited to:
 - i. activities at the Amisfield Quarry;
 - ii. activities undertaken in the surrounding area;
 - iii. preceding rainfall; and
 - iv. any additional water quality monitoring that may be required to determine the potential cause of the exceedance.
 - c) Within one month of receipt of the exceedance, submit a report signed by a suitably qualified water quality expert to the Consent Authority and to Amisfield Estate Society Incorporated on the investigation undertaken, the potential causes of the exceedance, the likely cause(s) of the exceedance and recommendations for any remedial measures to be undertaken to mitigate the effects of the exceedance or prevent future exceedances occurring.
 - d) In the event that the report concludes that it is likely that the exceedance was caused by activities at the Amisfield Quarry, the Consent Holder shall provide persons named by Amisfield Estate Society Incorporated who rely on G41/0111 for supply of potable supply with 2000 litres per day of potable drinking water up to a maximum of 25,000 litres in total per day, until such time as at least two samples taken from bore G41/0111 at least two weeks apart demonstrate compliance with the relevant Maximum Acceptable Values or Guideline Values. Quarterly monitoring shall then resume as required by Condition 3.
 - e) All costs associated with provision of the alternative supply of potable drinking water required by Condition 5(d) of this consent shall be borne by the Consent Holder.

Advice Notes:

1. The Guideline Values and Maximum Acceptable Values referred to in this condition are those specified in the publication 'Drinking-water Standards for New Zealand 2005 (Revised 2018)', Ministry of Health. The Guideline Values are the limits for aesthetic determinants that, if exceeded, may render the water unattractive to consumers.

2. Shallow groundwater in this area is vulnerable to contamination from microorganisms and given the agricultural land use in the catchment it is expected that groundwater samples from bore G41/0111 will not always comply with the microbiological drinking water standards.

6. A Quarry Management Plan (QMP) shall be submitted to the Otago Regional Council at least 1 month prior to the exercise of this consent for certification that it documents, as a minimum:
 - a) A plan showing the areas of groundwater extraction and the location of the bores subject to groundwater quality monitoring;

- b) A description of the groundwater quality monitoring required by the conditions of this consent;
 - c) The contact details of the quarry manager;
 - d) A description of the proposed methods of excavating aggregate within groundwater;
 - e) A description of all relevant site operations and procedures, including mobile refuelling procedures and spill responses;
 - f) A description of all environmental effects, including (but not limited to) discharges to water;
 - g) All consent conditions and any other mitigation measures to be employed to minimise environmental effects and/or adhere to best practice;
 - h) The minimum maintenance frequency for all machinery operated by the Consent Holder and working on the site;
 - i) Relevant monitoring and reporting requirements.
7. Activities authorised by this consent must not commence until the Consent Holder has received written certification of the QMP. Notwithstanding this, the works may proceed if the Consent Holder has not received a response from the Otago Regional Council within 20 working days of the date of the submission of the QMP.
8. Any erosion, scour or instability of the bed or banks of the pit or formed waterbody that exceeds the extent shown in the consent application shall be reinstated or remedied by the Consent Holder. When such reinstatement or remediation is necessary, the Consent Holder shall record the following information and include it in the Annual Groundwater Report required by Condition 12 of this consent:
- a) The location of the reinstatement or remediation works identified on a site plan;
 - b) A description of the nature of the damage that occurred, including photographs;
 - c) An assessment of the likely causes of the damage, including reference to preceding weather conditions, activities taking place in the area, the angle of the pit slopes etc.
 - d) A description of the nature of the reinstatement or remediation works required and when these were carried out;
 - e) Any changes to be made to site management measures to reduce the likelihood of similar issues arising in future.
9. In the event of a discharge of unauthorised contaminant(s) to water or to land in a manner that may enter water, including but not limited to fuel, hydraulic fluid, overspray of weed killer, contaminated soil or leachate, the Consent Holder shall:
- a) Undertake all practicable measures as soon as possible to contain the contaminant;
 - b) Ensure that the contaminants and any material used to contain it are removed from the site and disposed of at an authorised landfill;
 - c) Immediately notify the Consent Authority and Amisfield Estate Society Incorporated of the spill or contamination and of the actions taken and to be taken to remediate and mitigate any adverse environmental effects;
 - d) Immediately have a suitably qualified water quality expert assess the risk of the spill to bore G41/0111 (the Amisfield Estate Society Incorporated drinking water supply) and provide recommendations on the measures to be taken to address any identified risk;
 - e) Provide a copy of the risk assessment carried out under Condition 9(d) above to the Consent Authority and Amisfield Estate Society Incorporated within 1 week and implement all recommendations in the risk assessment;
 - f) If requested by the Consent Authority, undertake additional water quality sampling and any other actions necessary to remediate or mitigate any adverse effects on the environment, to the satisfaction of the Consent Authority.

10. The Consent Holder shall ensure that:

- a) All machinery to be operated within exposed groundwater on the site is thoroughly cleaned of vegetation (e.g. weeds), seeds or contaminants at least 10 metres away from any waterbody, water flow channel or stormwater system, prior to entering the site;
- b) All machinery shall be regularly maintained to ensure that no contaminants (including but not limited to oil, petrol, diesel, hydraulic fluid) shall be released into water, or to land where it may enter water, from equipment being used for the works;
- c) All contaminant storage or re-fuelling areas (other than areas where mobile re-fuelling occurs) are bunded or contained in such a manner so as to prevent the discharge of contaminants to water or to land where it may enter water;
- d) No machinery shall be cleaned, stored or refuelled within 10 metres of any waterbody, water flow channel or stormwater system;
- e) Permanent storage of fuel or lubricants shall only occur within the workshop area identified on 'Site Plan Rev E' (dated 4.11.21);
- f) The origin and location of any cleanfill placed within the quarry shall be recorded;
- g) Cleanfill shall not be placed within 10 metres of any waterbody, water flow channel or stormwater system and shall be located above the level of groundwater.

11. The Consent Holder shall maintain a permanent record of any complaints received alleging adverse effects from or related to the works authorised by this consent. This record shall include:

- a) The name and address of the complainant (if provided);
- b) The date and time that the complaint was received;
- c) Details of the alleged event;
- d) Weather conditions at the time of the complaint; and
- e) Any measures taken to mitigate/remedy the cause of the complaint.

This record shall be made available to the Consent Authority on request.

12. The Consent Holder shall submit an Annual Groundwater Report before the end of February each year which includes the following:

- a) Results of the water quality monitoring carried out in accordance with Condition 3;
- b) The identity and expertise of the person(s) who collected water samples in accordance with this resource consent;
- c) Identification of any measures required under Condition 9;
- d) Records kept in accordance with Condition 9(d); and
- e) Copies of the complaints record for any complaints in relation to groundwater quality for the preceding 12 months.

13. The Consent Authority may, in accordance with Sections 128 and 129 of the Resource Management Act 1991, serve notice on the Consent Holder of its intention to review the conditions of this consent within 3 months of each anniversary of the commencement of this consent for the purpose of:

- a) Adjusting the variables or frequency of the sampling requirements under Condition 3; or
- b) Determining whether the conditions of this consent are adequate to deal with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage; or
- c) Ensuring the conditions of this consent are consistent with any National Environmental Standard or National Planning Standard.

Appendix 1: Location of downgradient monitoring bore (approximate map reference NZTM(NZGD2000) E1305952 N5016821)



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RM20.360.01: Water Take

WATER PERMIT

Pursuant to Section 104B of the Resource Management Act 1991, the Otago Regional Council grants consent to:

Name: Cromwell Certified Concrete Limited

Address: 810 Great South Road, Penrose, Auckland 1061

Activity: To take and use ground water for the purpose of gravel washing, irrigation, domestic use and dust suppression

Term: 6 years

Location of consent activity: 1248 Luggate-Cromwell Road (State Highway 6)

Legal Description of land at point of abstraction: Lot 8 DP 301379

Legal Description of land where water is to be used: Lots 5 and 8 DP 301379

Map Reference at point of abstraction: Bore G41/0127 - NZTM 2000 E1305397 N5017068
Bore G41/0456 - NZTM 2000 E1305502 N5017223

Conditions:

14. This permit shall be exercised in conjunction with Water Permit RM16.108.01, Discharge Permit RM20.360.02, and any consents granted in replacement of those permits.
15. If this consent is not given effect to within a period of five years from the date of commencement of this consent, this consent shall lapse under Section 125 of the Resource Management Act 1991. The consent shall attach to the land to which it relates.
16. The combined rate of abstraction from bore G41/0127 and bore G41/0456 shall not exceed 14 litres per second.
17. The rate of abstraction when combined with Water Permit RM16.108.01 shall not exceed 20 litres per second from bore G41/0127 and 40 litres per second from bore G41/456, and the total quantity of water abstracted shall not exceed:
 - d) 2,592 cubic metres per day;
 - e) 80,352 cubic metres per month;
 - f) 725,760 cubic metres per year.
18. The Consent Holder shall:
 - a) Maintain water meter(s) to record the water take, within an error accuracy range of +/- 5% over the meter(s) nominal flow range, and a telemetry compatible datalogger with at least 24 months data storage and a telemetry unit to record the rate and volume of take, and the date and time this water was taken.
 - b) The datalogger shall record the date, time and flow in litres per second.
 - c) Data shall be provided once daily to the Consent Authority by means of telemetry. The Consent Holder shall ensure data compatibility with the Consent Authority's time-series database.
 - d) The Consent Holder shall ensure the full operation of the water meter(s), datalogger and telemetry unit at all times during the exercise of this consent. All malfunctions

of the water meter and/or datalogger and/or telemetry unit during the exercise of this consent shall be reported to the Consent Authority within 5 working days of observation and appropriate repairs shall be performed within 5 working days. Once the malfunction has been remedied, a Water Measuring Device Verification Form completed with photographic evidence must be submitted to the Consent Authority within 5 working days of the completion of repairs.

- e) The water meter(s), datalogger and telemetry unit shall be verified for accuracy within one month from the first exercise of this consent.
 - f) Any electromagnetic or ultrasonic flow meter shall be verified for accuracy every five years from the first exercise of this consent.
 - g) Each verification shall be undertaken by a Consent Authority approved operator and a Water Measuring Device Verification Form shall be completed and submitted to the Consent Authority with receipts of service within 5 working days of the verification being performed, and at any time upon request.
19. The Consent Holder shall take all practicable steps to ensure that:
- a) There is no leakage from pipes and structures;
 - b) There is no runoff of irrigation water either on site or off site.
 - c) A back flow preventer device is fitted to prevent any contaminants from being drawn into the source of the water.
20. The Consent Authority may, in accordance with Sections 128 and 129 of the Resource Management Act 1991, serve notice on the Consent Holder of its intention to review the conditions of this consent for the purpose of imposing aquifer restriction levels, if and when an operative regional plan sets aquifer restriction levels.
21. The Consent Authority may, in accordance with Sections 128 and 129 of the Resource Management Act 1991, serve notice on the Consent Holder of its intention to review the conditions of this consent within 3 months of each anniversary of the commencement of this consent for the purpose of:
- a) Determining whether the conditions of this consent are adequate to deal with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage; or
 - b) Ensuring the conditions of this consent are consistent with any National Environmental Standard or National Planning Standard.