

1. In granting this development consent, Council requires:

- All proposed buildings be constructed in accordance with any amendment or modification outlined in these conditions
- All proposed works be carried out in accordance with any amendment or modification outlined in these conditions
- Any proposed use of buildings or land be in accordance with any amendment or modification outlined in these conditions

and be substantially in accordance with the stamped approved Proposed Quarry Plan Figure 02 Rev C dated September 2014, Section Details Plan Figure 03 Rev A dated March 2014, Environmental Impact Statement dated November 2014, and supporting documents (including additional information requested by Council) submitted with the application.

In the event of any inconsistency between conditions of this development consent and the approved plans and supporting documents, the condition of this development consent prevails.

Copies of the approved plans are attached to this consent.

Reason: *To correctly describe what has been approved. (EPA Act Sec 79C)*

WATER LICENSING

2. Operations shall not commence over any part of the site requiring a water licence until a copy of the water licence has been provided to Richmond Valley Council.

Reason: *To comply with the requirements of NSW Office of Water.*

SURRENDER OF EXISTING CONSENT AND COMMENCEMENT OF THIS CONSENT

3. Operations under this consent shall not commence until the following conditions (a) – (c) are satisfied;
- (a) The proponent surrenders Development Consent Notice DA 128/95 dated 19 February 1997 in accordance with Section 80A of the EP&A Act 1979 and in the manner prescribed by clause 97 of the EP&A Regulation 2000.
 - (b) The proponent shall notify Council in writing of the proposed commencement date of operations under this consent.
 - (c) The proponent shall provide to Council written certification from suitably qualified persons demonstrating that all consent conditions required to be satisfied prior to commencement of operations have been so satisfied.

Council will confirm the date of commencement of the annual return period upon review of the documentation related to condition 3(c). The “annual return period” referred to in this consent means the 12 month period commencing at that date.

Reason: *To ensure only relevant consents are valid for the subject land and to protect the environment.*

APPROVAL LIMITS

4. The total amount of material extracted and transported from the site combined with the amount of material imported to the site in any annual return period shall not exceed 490,000 tonnes. The total amount of material extracted from the site shall not exceed 4,000,000 tonnes over the entire life of this consent.

The total amount of imported material stockpiled on the site for blending purposes shall not exceed 10,000 tonnes at any one time.

Truck movements, inclusive of all incoming and outgoing trucks, in any one day period shall not exceed one hundred and forty (140) truck movements (Monday - Friday) and sixty four (64) truck movements Saturdays.

This consent does not permit the combining of extractive volumes approved under DA128/95 with this consent. That is for any twelve month period the total amount of material extracted and transported from the site combined with the amount of material imported to the site shall not exceed 490,000 tonnes.

Reason: To correctly describe what has been approved. (EPA Act Sec 79C)

5. This consent permits operation of a maximum of two stages of the quarry at any one time.

Reason: To correctly describe what has been approved. (EPA Act Sec 79C)

HOURS OF OPERATION

6. Hours of operation shall be limited to the hours set out in the table to this condition subject to the following exception;

- i) No truck movements shall occur on any school day, during the period that a school bus travels along the haulage route

The proponent shall consult with the bus company and Richmond Valley Council to determine the safe operational periods that the trucks may operate on Woodburn Evans Head Road.

Quarry Operations and Transportation	Monday to Friday Saturday	7am to 6pm 8am – 1pm
No operations or transportation	Sundays or Public Holidays	

Reason: To correctly describe what has been approved and protect the amenity of the area.

TERM OF CONSENT

7. The period during which the extractive industry and transport activities may be carried out is limited to 25 years from the date of commencement notified under condition No. 3. This condition does not prevent the undertaking of rehabilitation works after the expiration of 25 years.

Reason: To correctly describe what has been approved. (EPA Act Sec 79C)

HAULAGE ROUTE

8. The haulage route shall be the sections of Roads as follows:

- Woodburn Evans Head Road from the site access to Alfred Street
- Alfred Street to River Street (Pacific Highway)

Accurate details must be kept and provided if requested to demonstrate compliance with this condition.

Reason: To correctly describe what has been approved, traffic safety and protect the amenity of the area. (EPA Act Sec 79C)

IMPORTATION OF MATERIAL

9. Any soil imported to the site shall comprise of Virgin Excavated Natural Material (VENM) only. Any other material imported to the site must be free of contamination. Accurate details confirming the source, quantity and certification details for the soil/material shall be kept and provided as requested by Richmond Valley Council. The imported soil/material shall be used only for blending with extracted sand in association with this consent.

Reason: To correctly what has been approved and protect the environment.

MEANS TO WEIGH MATERIAL

10. The developer shall provide a suitable means to weigh all material hauled from the site and imported to the site such as the weighbridge approved under consent DA2013/0199 **prior to commencement of haulage.**

Reason: To ensure quantities of extracted materials can be determined and managed.

ACOUSTIC BARRIERS

11. The acoustic barriers recommended within the EIS to mitigate traffic noise generated from within the site shall be constructed of materials that complement the existing natural environment and vegetative screening shall also be provided. A schedule of materials and finishes, and a vegetation species list shall be submitted to, and approved by, Richmond Valley Council **prior to issue of a Construction Certificate.** The acoustic barriers and vegetative screening shall be wholly located on the land subject to this consent and maintained by the proponent.

Reason: To protect the amenity of the area.

PROVISION OF AMENITIES

12. Provision of adequate toilet facilities shall be established onsite by means of a temporary chemical closet or an approved on site effluent disposal system

Reason: To provide necessary facilities to service the development.

ECOLOGICAL MANAGEMENT

13. There shall be no vegetation removal until a Habitat Offset being a minimum of 3.48 hectares in area, and a legally binding mechanism for the protection in perpetuity of the Habitat Offset, is approved to the satisfaction of Richmond Valley Council. The Offset shall comprise vegetation representative of the impacted communities and be located generally within the proposed offset area identified in Figure 01 Proposed Offset Area Revision A submitted 22 June 2015.

Prior to approval of the Offset area the proponent shall engage a suitably qualified person to;

- (a) Undertake detailed assessment of the proposed offset area to determine the location of the final 3.48 hectare area. The area shall provide habitat on a like for like basis proportional to the impacted vegetation communities.
- (b) The offset shall incorporate logical management and/or landscape boundaries that are easily identifiable and designed to minimise edge effects.

- (c) Investigate opportunities for securing the Habitat Offset. Preference shall be given to use of the BioBanking Scheme or alternatively a Conservation Agreement pursuant to the National Parks and Wildlife Act 1974.
- (d) An appropriate buffer shall be established between the proposed offset areas and extraction areas to ensure that extraction activities do not undermine the integrity and value of vegetation within the offset areas
- (e) Submit for approval of Richmond Valley Council details of the investigations referred to in (a) - (d)
- (f) Undertake any such recommendations or requirements in association with the approved method of securing the Habitat Offset

The offset shall remain in force in perpetuity and the final offset area and mechanism for securing the Habitat Offset shall be approved by Richmond Valley Council.

Reason: *To compensate for loss of habitat and biodiversity resulting from the development.*

14. Where quarry operations are proposed to commence prior to the provision of the Habitat Offset required under condition 13, the proponent shall:

- (a) Install a protective barrier between existing vegetation and all quarry operations, including a buffer sufficient to protect existing vegetation. The barrier shall be sufficient to prevent accidental incursions beyond the existing extent of quarry operations.
- (b) Submit to Council a plan identifying the location of any barrier.
- (c) Be responsible for ensuring all persons on the site are made aware of the boundary markers and that no works extend beyond the markers

Reason: *To protect the environment and provide visual identification of the limits prior to finalising the Habitat Offset.*

OPERATIONAL PLAN OF MANAGEMENT AND REHABILITATION

15. An Operational Plan of Management shall be submitted to, and approved by, Richmond Valley Council **prior to commencement of operations**. The Operational Plan of Management shall be consistent with this consent and any report, approval or plan associated with this consent and include, but not be limited to, a summary of quarry operations, management of environmental impacts such as those mitigation measures outlined in Section 7.3.1 of the Ecological Assessment dated November 2014, a detailed Rehabilitation Plan addressing the entire area of the site including the proposed offset areas and consideration of rehabilitating the excavation and hard stand areas, and any other additional matters as determined by Richmond Valley Council.

Reason: *To protect the environment.*

16. Topsoil stripped from the land to prepare the site for extraction shall be retained for use in rehabilitating the site and stored in such a manner to prevent its erosion, such as by stormwater or wind.

Reason: *To ensure the site is rehabilitated and protect the environment.*

17. The proponent shall rehabilitate the site to the satisfaction of Richmond Valley Council. Rehabilitation shall be undertaken progressively, that is, as soon as reasonably practicable following exhaustion of extraction from the relevant stage of the development and in accordance with the approved Operational Plan of Management.

At the expiration of the consent under condition 6, the developer shall remove all equipment and facilities associated with the development from the land and provide a report to Richmond Valley Council detailing the completion of rehabilitation works for the site.

Reason: *To ensure the site is rehabilitated and protect the environment.*

IDENTIFICATION OF APPROVED QUARRY AREAS

18. The boundaries of the approved quarry footprint, as identified in the approved quarry plan shall be clearly marked on site **prior to commencement**. The developer shall ensure;
- (a) The location of boundaries is confirmed by survey and submitted to Richmond Valley Council prior to commencement
 - (b) The markers are easily identifiable and sufficiently durable,
 - (c) The markers remain in place for the life of the consent,
 - (d) All contractors and employees on the site are made aware of the quarry boundary and that no works extend beyond the markers.

Reason: *To provide visual identification of the approved development area.*

TRAFFIC MANAGEMENT

19. The proponent shall prepare and enforce a Truck Management Plan and Code of Conduct for drivers. The documents shall be submitted to and approved by Richmond Valley Council **prior to commencement of transport operations**.

The Management Plan must include but may not necessarily be limited to:

- A driver training and induction procedure. This shall include a requirement for drivers / contractors to sign a Code of Conduct acknowledgement that they agree to comply with the requirements and ongoing education about requirements.
- Complaint investigation procedure and procedure for dealing with non-compliant drivers.
- Method of monitoring truck speeds by the operator.
- Record keeping including any proposal to keep log books of truck journeys, complaints, monitoring carried out by quarry operator, and outcomes of investigations of any breaches and providing copies of such records to Council.
- Management of truck movements to avoid queuing along the haulage route and internal access.
- Identification markings on trucks contracted to haul / work for the quarry.
- A Driver Code of Conduct that details the approved haulage route, operation hours for travel to and from the site, speeds, an induction process for vehicle operators, measures to reduce traffic noise, safe distances between trucks, traffic safety and courteousness, locations of sensitive receivers, safety initiatives for trucks travelling along school bus routes and through residential areas and school zones, identification and enforcement.

The proponent is responsible for managing speed limits of quarry trucks to ensure compliance with this condition. The proponent shall ensure all drivers adhere to the Code of Conduct, promptly address any complaints or community issues and shall take or implement any reasonable mitigation measures as required.

Reason: *To protect the amenity of the area, traffic safety, ensure management of truck speed limits and noise impacts from transport operations*

20. The proponent shall supply, install and maintain a vehicle classifier approved by Richmond Valley Council in such a position as to accurately record all vehicles entering and exiting the site. Records of all vehicle movements shall be supplied to Council every quarter. Council is to be given unrestricted access to the classifier to check records. A copy of all records is to be made public for inspection of interested persons.

Reason: *To monitor vehicle movements and ensure compliance with this consent.*

COMMUNITY RELATIONS

21. **Prior to commencement of operations** the proponent shall;
- (a) submit to Richmond Valley Council and include within the Operational Plan of Management the following; the name and contact details for a person with the responsibility and authority to respond to Council and/or members of the public in regard to complaints, compliance with this consent and any Plan or report associated with the development. This person must respond to community complaints promptly and effectively.
 - (b) erect a sign at the entrance of the quarry with the phone number and permanent site contact details so that complaints concerning the operation of the quarry can be received and addressed in a timely manner. The sign must remain in place and contain accurate details at all times.

The proponent shall ensure the contact details provided above remain current at all times and are updated if any changes occur.

Reason: *To ensure the development responds to community concerns.*

CULTURAL HERITAGE

22. The proponent shall implement and ensure the development operates at all times in accordance with the Cultural Heritage Assessment prepared by Everick Heritage Consultants Pty Ltd dated June 2014 including the recommendations of Section 11.

If Aboriginal objects are identified during the proposed works and they cannot be avoided, all mitigation measures undertaken to manage impact will require an Aboriginal Heritage Impact Permit (AHIP). Any potential AHIP application will require evidence of consultation with the registered Aboriginal parties. Ongoing consultation for the life of the development is encouraged.

Reason: *To protect Cultural Heritage.*

ANNUAL PERFORMANCE REPORTING

23. (a) Within one month of the end of every annual reporting period, or other timing as may be agreed with Council, the proponent shall submit to Richmond Valley Council a Performance and Environmental Management Report. The Report must review the environmental performance of the development including:
- i) A description of the development that was carried out in the previous year, and the development that is proposed to be carried out over the next year including quarry production and transport data, details of proposed working stages, stages to be opened and/or closed and rehabilitation works.

- ii) A review of the Operational Plan of Management and a description of any proposed amendments to the current Operational Plan of Management.
 - iii) An assessment of rehabilitation works completed during the year against the Operational Plan of Management and review of the importation of material. A calculation shall be undertaken to ensure sufficient soil is available for ongoing rehabilitation works over the life of the quarry.
 - iv) A comprehensive review of the monitoring results and complaints records of the development over the previous year, which includes a comparison of these results against the:
 - a) the relevant statutory requirements, limits or performance measures/criteria;
 - b) requirements of any plan or program required under this consent, including the Transport Management Plan and Code of Conduct
 - c) the monitoring results of previous years;
 - d) the relevant predictions in the EIS; and
 - e) a copy of the annual return submitted to the Environmental Protection Authority for the current year
 - v) A statement of compliance with each of the relevant conditions of this consent including identification of any non-compliance over the last year, and a description of what actions were taken and will continue to be taken to ensure compliance. Identified actions shall be included in an amending Operational Plan of Management.
 - vi) Identification of any trends in the monitoring data over the life of the development.
 - vii) Identification of any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies.
 - viii) A description of measures that will be implemented over the next year to improve the environmental performance of the development.
 - ix) Monitoring and environmental reporting is to be completed by an independent and appropriately qualified person
- (b) Annual production statistics shall be provided to Trade & Investment – Geological Survey of New South Wales (GSNSW).
- (c) Following submission of the Performance and Environmental Management Report and subject to approval by Richmond Valley Council, the Operational Plan of Management may be replaced with an amending Plan.

An Operational Plan of Management remains current until such time as an amending plan is approved by Richmond Valley Council.

Reason: *To monitor performance of the development.*

BUILDING

24. A Construction Certificate must be obtained from Council or an accredited certifier at least two (2) days prior to any building or ancillary work commencing with regard to the acoustic barriers. Where the Construction Certificate is obtained from an accredited certifier the determination and all appropriate documents must be notified to Council within seven (7) days of the date of determination.

Reason: Required by Section 81A of the Environmental Planning and Assessment Act, 1979 and Part 8, Division 2 of the Environmental Planning and Assessment Regulation, 2000.

25. Construction works must not unreasonably interfere with the amenity of the neighbourhood. In particular construction noise, when audible on adjoining residential premises, can only occur:
- a) Monday to Friday - 7.00 am to 6.00 pm.
 - b) Saturday – 8.00 am to 1.00 pm.
 - c) No construction work which will adversely impact on the amenity of the area is to take place outside the above hours, including Public Holidays.

Reason: To protect the amenity of the area

26. Erosion and sediment control measures must be put in place and be maintained to prevent soil erosion and the transportation of sediment from the site and eventually into natural or constructed drainage lines or watercourses. Control measures are to remain in place until the site has been adequately revegetated or landscaped to prevent soil erosion. Work may not proceed until the sedimentation controls are in place.
Failure to comply with these requirements may result in penalty notices being issued without further notice.

Reason: To protect the environment.

27. Details and certification prepared by a Practising Structural Engineer must be submitted to the certifying authority for the following **prior to the issue of a Construction Certificate**:

- a) all footings for acoustic barriers

The certification must:

- i) certify that the design complies with the requirements of the Building Code of Australia; and
- ii) set out the basis on which it is given and the extent to which relevant codes of practice, specifications, rules or other publications have been relied upon.
- iii) Details of bore log results (if applicable)

Reason: To ensure that the key structural elements of the building or structure have been designed to suit the site conditions.

28. The use of the acoustic barriers must not commence until an Occupation Certificate has been issued by the Principal Certifying Authority. Where Council is not the Principal Certifying Authority then all documentation must be forwarded to Council within seven (7) days of issue.
(N.B. All Critical Stage Inspections must have been completed prior to the issue of the Occupation Certificate).

Reason: To monitor compliance with the Development Consent and Construction Certificate.

29. If Council is to be engaged as the Principal Certifying Authority the following progress and mandatory critical stage inspections will be required with 48 hours notice;
- a) after excavation for, and prior to the placement of, any footings.
 - b) after the building work has been completed and prior to any occupation certificate being issued in relation to the acoustic barriers.

Reason: *To monitor compliance with the Development Consent and Construction Certificate.*

INFRASTRUCTURE

30. Any damage caused to public infrastructure (roads, footpaths, kerb and gutter, stormwater, water and sewer mains, power and telephone services etc) during construction of the development shall be repaired to the satisfaction of the Executive Manager Infrastructure and Environment (and delegated staff). The repairs shall be carried out **prior to the commencement of quarry operations under this consent.**

Council shall be notified in writing, **prior to commencement of works**, of any existing damage to roads, stormwater drainage, kerb and gutter or footpaths.

Absence of notification signifies that no damage exists, and the applicant is therefore liable for the cost of reinstatement of any damage found at the completion of the works.

Reason: *To protect the existing and future amenity of the locality and to formally record any pre-existing damage to existing assets.*

31. Existing services/infrastructure which requires reconstruction or adjusting to suit a development (water, sewerage, stormwater, road works, etc.) are to be carried out at the developer's expense. Construction is to be in accordance with Council's standards, or the affected asset owners standards (eg Rous Water), and shall be completed **prior to the commencement of quarry operations under this consent.**

Reason: *To protect existing services.*

32. A **Traffic Control Plan (TCP)** shall be prepared for all works within the Woodburn Evans Head Road road reserve. The Plan shall comply with the provisions of the Roads and Maritime Services (formerly RTA) document "**Traffic Control at Work Sites**" manual and shall be prepared by a person who is qualified, authorised and has passed a Roads and Maritime Services (formerly RTA) approved training course. The TCP designer's certification number is to appear on the Traffic Control Plans.

The Plan shall be submitted to Richmond Valley Council as part of the Section 138 Roads Act application.

Safe public access around any works shall be provided at all times unless detailed in the Traffic Control Plan.

Any advertising required to be undertaken by Council shall be at the developer's cost.

Reason: *To ensure works carried out in the road reserve are carried out in a safe environment.*

33. Application (under Section 138 of the Roads Act 1993) for approval to carry out any work within the road reserve shall be made to Richmond Valley Council by any

contractor proposing to carry out any such works **prior to any such works in the road reserve commencing**. This includes driveway crossings and aprons, water, sewerage, stormwater, road works, kerb and gutter, footpaths, etc.

Works shall not commence until such time as the Section 138 application has been approved.

Any advertising required to be undertaken by Council shall be at the developer's cost. Note: Requests for Road Closure advertisement are required ten (10) working days prior to the proposed closure.

All contractors working on such areas are to have Public Liability Cover to a minimum value of \$10,000,000. A certificate of currency is to be forwarded to Council prior to the commencement of works.

Reason: *To comply with Section 138 of the Roads Act 1993.*

34. A defects liability bond (in cash or Bank Guarantee) shall be lodged with Council. The date of Practical Completion shall be the date upon which all engineering works are completed and the defects liability bond has been paid. The bond shall be based on 10% of the value of the works which will become Council's assets (Council's adopted Revenue Policy (Fees and Charges)), and will be held by Council for a period of 12 months from the date of Practical Completion. The defects liability bond will be refunded at the satisfactory completion of the maintenance period (12 months). The bond shall only be released by advice from Richmond Valley Council that both the defects liability period has been completed, and that the works have been completed and are satisfactory at the end of the defects liability period.

The bond shall be paid to Council **prior to the commencement of quarry operations under this consent**.

Reason: *To provide adequate funds for the rectification of non-compliances, or failure to carry out maintenance during the maintenance period.*

35. A Civil Engineering assessment fee is to be paid to Council **prior to the issue of a Construction Certificate for the intersection works** for the assessment of plans, issue of a Construction Certificate, and inspection of civil works which will impact on or become Council's assets. Rates are as detailed in Council's Revenue Policy (Fees and Charges), with quantities assessed from approved plans detailing such civil works.

Reason: *To ensure engineering works are designed and constructed to Council standards.*

36. All building and construction work by private contractors in NSW, costing \$25,000 or more, is liable for the payment of the **Long Service Levy** to the Long Service Levy Payments Corporation. Construction work includes civil construction such as roads and bridges, pipelines, fuel gas and water storage and distribution infrastructure, sewerage drainage and treatment systems, retaining walls, electrical distribution infrastructure, etc. Confirmation of the payment to the Corporation (Council is an agent) is to be submitted to Council **prior to the issue of the Construction Certificate for the intersection works**. (Payments through Council are to be made payable to Richmond Valley Council. Cheques payable to the Corporation cannot be accepted by Richmond Valley Council.)

Reason: To ensure the long service levy on private contractor constructed works is paid in accordance with State Government legislation.

37. A contribution under Section 94 (1)(b) of the Environmental Planning and Assessment Act 1979, amounting to \$ 1.10 (July 2015) per tonne of material transported to and from the site is to be paid to Richmond Valley Council. Contributions under this Plan shall be levied annually and will be based upon lodgement of annual returns itemising export/importation tonnages for the previous financial year for this development. The rate shall be increased by CPI from the base rate shown in the Heavy Haulage Plan in effect during the year of the return. The funds collected by this contribution are to be used on Woodburn Evans Head Road.

Reason: To provide funds for the road maintenance in accordance with Richmond Valley Council's Section 94 Heavy Haulage Contributions Plan 2013.

38. Plans showing all civil engineering works which will become Council's assets, eg roads, kerb and gutter, stormwater drainage, water, sewer, footpaths, etc, shall be submitted to Richmond Valley Council. Council approval of the plans is required **prior to the issue of the Construction Certificate for the intersection works**. Such works shall be designed and documented in accordance with Council's Standards.

Reason: To Provide adequate services for the development.

39. The developer shall construct, with associated stormwater drainage structures and line marking, an AUSTROADS Guide to Road Design Part 4A Figure 8.2 basic left turn (BAL) at the intersection of Woodburn Evans Head Road and the quarry entrance road. The full intersection including the widened shoulder shall be sealed with an AC/open graded hotmix. The intersection is to be designed and constructed in accordance with Roads and Maritime Services standards, Austroads standards, Council's Northern Rivers Development and Design Manual and the Northern Rivers Local Government Construction Manual. The developer shall be responsible for any costs, including maintenance, for a period of twelve months from the date of approval of completion of the work.

The intersection works shall be completed **prior to the commencement of quarry operations under this consent**

Reason: To ensure an adequate road network in accordance with adopted standards.

40. Hinged 'Trucks Turning' warning signs are to be permanently erected 80 metres each side of the quarry access intersection. The signs shall be displayed during truck operations onto the Woodburn Evans Head Road, and be closed at all other times. Signs are to be installed **prior to the commencement of operations**.

Reason: To warn traffic of heavy vehicle movements on and off Woodburn Evans Head Road.

41. Upon completion of works to be vested in Council, **Work as Executed** drawings and plans in digital format shall be submitted to and approved by Richmond Valley Council **prior to the commencement of quarry operations under this consent** (AutoCAD or similar – changes as a separate layer in red). All work as executed plans shall bear the Consulting Engineer's or Consulting Surveyor's certification stating that all information shown on the plan is accurate.

Reason: To provide adequate records of services for the development.

42. Inspection and Testing shall be carried out during all civil engineering construction works that will become Council's assets (e.g. roads, kerb and gutter, stormwater drainage, water, sewer, footpaths, etc, or works which will impact on other infrastructure owners or adjoining properties e.g. inter allotment drainage lines and pits). The Inspection and Testing shall be in accordance with the Northern Rivers Local Government Development and Design Manual and the Northern Rivers Local Government Construction Manual. All testing records are to be submitted to Richmond Valley Council.

Reason: *To ensure engineering works are constructed to council standards.*

ENVIRONMENTAL HEALTH

43. The access road to the quarry on Lot 2 DP 1040274 between Woodburn Evans Head Road and the boundary of the Profit a Prendre shall be sealed to control noise and dust pollution and reduce tracking of material onto the public road. Design details of the seal shall be submitted to Richmond Valley Council and approved prior to the seal being carried out. The sealing of this section of the access road shall be completed **prior to commencement of quarry operations under this consent.**

Reason: *To reduce noise and dust impacts and protect the environment.*

44. Acoustic barriers measuring 2.8 metres in height shall be constructed along the access road on Lot 2 DP 1040274 between Woodburn – Evans Head Road and the Boundary of the Profit a Prendre in accordance with Section 5.1.1 and Figures 5.1, 5.2 and 5.3 of Appendix E - Noise Impact Assessment of the Environmental Impact Statement prepared by consultants GHD dated November 2014. The barriers must be designed to ensure noise from trucks traversing the access road do not create offensive noise. Design details of the barriers prepared by a suitably qualified acoustic consultant shall be submitted to and approved by Richmond Valley Council **prior to issue of a Construction Certificate**. The barriers shall be completed to the satisfaction of Richmond Valley Council **prior to commencement of quarry operations under this consent.**

Reason: *To protect the amenity of the area and reduce noise impacts*

45. A Road Traffic Noise Management Plan (TNMP) shall be submitted to and approved by Richmond Valley Council **prior to commencement of quarry operations under this consent**. The TNMP must include but is not necessarily limited to the following;
- a) Identification of all potentially affected sensitive receivers in the vicinity of the site,
 - b) The traffic noise objectives,
 - c) An assessment of potential noise from traffic movements associated with the quarry against the objectives,
 - d) Identification and application of feasible and reasonable noise management strategies for vehicle movements associated with the quarry, including but not necessarily limited to the following;
 - I. Driver training to ensure that noisy practices such as the use of compression engine brakes are not unnecessarily used near sensitive receivers;
 - II. Best noise practice in the selection and maintenance of vehicle fleets;
 - III. Movement scheduling where practicable to reduce impacts during sensitive times of the day (eg school bus times);
 - IV. Communication and management strategies for non-quarry owned and operated vehicles to ensure the provisions of the TNMP are implemented;

V. a system of audited management practices that identifies non conformances, initiates and monitors corrective and preventative action (including disciplinary action for breaches of noise minimization procedures) and assesses the implementation and improvement of the TNMP;

VI. Specific procedures for drivers for minimising road traffic noise impacts;

VII. Clauses in conditions of employment, or in contracts, of drivers that require adherence to the noise minimisation procedures and facilitate effective implementation of the disciplinary actions for breaches of the procedures.

VIII. Compliance noise monitoring