APPENDIX C

GOVERNMENT CONSULTATION

PO Box 40, Maitland NSW 2320
1st Floor, 44 Church Street
Maitland NSW 2320
ABN: 35 078 017 508
T (02) 4933 6682
F (02) 4933 6683
W hdb.com.au

File Ref: 19/047

31 August 2020

Department of Primary Industry
Locked Bag 21
Orange NSW 2800

Subject: Proposed Expansion of Dalswinton Quarry,

511 Dalswinton Road, Dalswinton.

HDB Town Planning and Design has been engaged by Rosebrook Sand and Gravel (Rosebrook) to prepare an environmental impact assessment to support the application for Dalswinton Quarry to quarry up to 500,000 tonnes of sand and gravel per year for the next 25 years.

Rosebrook currently operates under an approval which allows sand and gravel extraction on the site until 13th November 2022. The proposal seeks to continue the same operation for a further 25 years over an expanded footprint towards the east, within the existing site boundaries.

We have received the Planning Secretary's Environmental Assessment Requirements (SEARs) from the Department of Planning, Industry and Environment in which it is requested that we undertake consultation with your authority.

In December 2019 we sent you correspondence requesting a review of the proposal and any additional comments or requirements from your authority. To date, no response has been received.

An overview of the development is attached for your information, including the proposed Expansion Plan. If you would like any additional details, please feel free to contact Julie McKimm on 4933 6682 or alternatively you may email julie@hdb.com.au. We request any correspondence on this matter to be sent to us by the Friday 2nd October 2020, at the latest.

Yours sincerely

HDB Town Planning & Design

Julie McKimm

Town Planner

Encl: Dalswinton Quarry Expansion Overview

HDB Town Planning and Design, along with Rosebrook Sand and Gravel will be holding a Public Drop-in Session to discuss the Proposed Extension and Expansion of Dalswinton Quarry.

Date: **Tuesday 30th June 2020**

Time: **2.00 pm to 6.00 pm**

Location: **Rosebrook Sand & Gravel – Cawsey Park**

Jerden Street, Denman

There will be no presentation on the day, so call in anytime during these hours and have a chat about the proposal. Due to current COVID-19 restrictions we prefer if you rsvp your intent to attend to julie@hdb.com.au or phone (02) 4933 6682

Transport
Roads & Maritime
Services

CR2018/000491
SF2013/143351
KAP

12 February 2018

Department of Planning & Environment
Resource Assessments
GPO Box 39
SYDNEY NSW 2001

Attention: Philip Nevill, Environmental Assessment Officer

PROPOSAL – SEARS REQUEST FOR DALSWINTON SAND AND GRAVEL QUARRY, 511 DALSWINTON ROAD, DALSWINTON (LOT: 72 DP: 1199484), SSD NO. 18_9094

Reference is made to Department of Planning and Environment's email dated 7 February 2018, requesting Roads and Maritime Services' (Roads and Maritime) requirements under Schedule 2 of the *Environmental Planning and Assessment Regulation 2000* for the Environmental Impact Statement (EIS).

Transport for NSW and Roads and Maritime's primary interests are in the road network, traffic and broader transport issues. In particular, the efficiency and safety of the classified road network, the security of property assets and the integration of land use and transport.

Roads and Maritime have reviewed the preliminary environmental assessment titled *SEARs Application*, prepared by HDB Planning (Revision B), and dated February 2018. It is understood that the proposal seeks to extend the life of the existing sand and gravel quarry and extract approximately 15-20 million tonnes for a further 25 years (beyond the expiration date of 13 November 2019), with a maximum extraction rate of 500,000 tonnes per annum (the current maximum extraction rate is 150,000 p.a.). The quarry proposes to operate from 5:00am to 12:00 midnight Mondays to Fridays and 5:00am to 1:30pm Saturdays.

The existing access to the site via a haulage road to Golden Highway is proposed to be retained. The current operation generates an average of 20 truckloads (27-33 tonnes transported by 20 inbound and 20 outbound vehicles) per day. The statement by HDB advises that the proposed increase in extraction is anticipated to generate "additional truck movements" and larger trucks (up to 50 tonne) and hourly vehicle movements are proposed to be managed by an electronically controlled weighbridge. A traffic assessment is proposed to be undertaken to identify the impact of the additional traffic and the larger trucks on the traffic flows on the Golden Highway, as well as the level of service of the intersection.

<u>Roads and Maritime response & requirements</u>

The EIS should refer to the following guidelines with regard to the traffic and transport impacts of the proposed development:

- Road and Related Facilities within the Department of Planning EIS Guidelines, and,

- Section 2 Traffic Impact Studies of Roads and Maritime's *Guide to Traffic Generating Developments 2002*.

Furthermore, a traffic and transport study shall be prepared in accordance with the Roads and Maritime's *Guide to Traffic Generating Developments 2002* and is to include (but not be limited to) the following:

- Assessment of all relevant vehicular traffic routes and intersections for access to / from the subject properties. A location plan illustrating the private haulage route, location of weighbridge and parking storage for waiting trucks, and the intersection with the Golden Highway should be provided.

- Current traffic counts for all of the traffic routes and intersections.

- The anticipated additional vehicular traffic generated from both the construction and operational stages of the project (including maximum daily heavy vehicle volumes based on the maximum daily processing potential from on-site operations).

- The distribution on the road network of the trips generated by the proposed development. It is requested that the predicted traffic flows are shown diagrammatically to a level of detail sufficient for easy interpretation.

- Consideration of the traffic impacts on existing and proposed intersections, in particular, the intersection of the Golden Highway and the property access, and the capacity of the local and classified road network to safely and efficiently cater for the additional vehicular traffic generated by the proposed development during both the construction and operational stages. The traffic impact shall also include the cumulative traffic impact of other proposed developments in the area.

- Identify the necessary road network infrastructure upgrades that are required to maintain existing levels of service on both the local and classified road network for the development. In this regard, preliminary concept drawings shall be submitted with the EIS for any identified road infrastructure upgrades. However, it should be noted that any identified road infrastructure upgrades will need to be to the satisfaction of Roads and Maritime and Council.

  Note, should road upgrades be required, preliminary concept drawings should be submitted with the future application for consideration in the development assessment (consistent with *Part 4A – Unsignliased and Signalised Intersections* within *Austroads Guide to Road Design 2010* and relevant supplements).

- Traffic analysis of any major / relevant intersections impacted, using SIDRA or similar traffic model, including:

    - Current traffic counts and 10 year traffic growth projections
    - With and without development scenarios
    - 95th percentile back of queue lengths
    - Delays and level of service on all legs for the relevant intersections
    - Electronic data for Roads and Maritime review.

- Any other impacts on the regional and state road network including consideration of pedestrian, cyclist and public transport facilities and provision for service vehicles.

On determination of this matter, please forward a copy of the SEARs to Roads and Maritime for record and / or action purposes. Should you require further information please contact Hunter Land Use on 4924 0688 or by email at development.hunter@rms.nsw.gov.au.

Yours sincerely

Marc Desmond
A/ Manager Land Use Assessment
Hunter Region

CR2020/000284
SF2013/143351
KK

11 February 2020

HDB Town Planning & Design
PO Box 40
MAITLAND NSW 2320

Attention: Julie McKimm

SSD-9094- PROPOSED EXPANSION OF DALSWINTON QUARRY – PREPARATON OF ENVIRONMENTAL IMPACT ASSESSMENT, LOT: 72 DP: 1199484, 511 DALSWINTON ROAD, DALSWINTON

Transport for NSW (TfNSW) advises that legislation to dissolve Roads and Maritime Services and transfer its assets, rights and liabilities to TfNSW came into effect on 1 December 2019. It is intended that the new structure will enable TfNSW to deliver more integrated TfNSW services across modes and better outcomes to customers and communities across NSW.

For convenience, correspondence, advice or submissions made to or by Roads and Maritime Services prior to its dissolution, are referred to in this letter as having been made to or by 'TfNSW'.

Reference is made to your letter dated 19 December 2019, regarding the abovementioned proposal which was referred to TfNSW to review of the proposal, and provide any additional comments or requirements from TfNSW for preparation of environmental impact assessment (EIS).

TfNSW's primary interests are in the road network, traffic and broader TfNSW issues. In particular, the efficiency and safety of the classified road network, the security of property assets and the integration of land use and TfNSW.

Golden Highway (MR 27) is a classified (State) road. Muswellbrook Council is the roads authority for both roads and all other public roads in the area, in accordance with Section 7 of the Roads Act 1993.

TfNSW have previously reviewed the preliminary environmental assessment titled *SEARs Application*, prepared by HDB Planning (Revision B) dated February 2018 for the same proposal and provided comments to Department of Planning and Environment on 12 February 2018. A copy of the response letter is attached for your information. The EIS for above proposal shall address the requirements stated in the letter. TfNSW have no further comments to add.

Should you require further information please contact Kumar Kuruppu, Development Assessment Officer, on 4908 7688 or by emailing development.hunter@rms.nsw.gov.au.

Yours sincerely

Peter Marler
Manager Land Use Assessment
Hunter Region

Planning, Industry & Environment

Julie McKimm

Town Planner

HDB Town Planning & Design

PO Box 40
Maitland NSW 2320

Emailed: julie@hdb.com.au

Our ref: DOC20/21189

Your ref: 19/047

4 February 2020

Dear Ms McKimm

Subject: Proposed Expansion of Dalswinton Quarry – 511 Dalswinton Road, Dalswinton

Thank you for your letter of 19 December 2019. This is a response from the NSW Department of Planning, Industry & Environment – Division of Resources & Geoscience.

The Division has no additional requirements to the general SEARs issued. However, we reiterate the following requirements:

All environmental reports (EIS or similar) accompanying Development Applications for extractive industry lodged under the *Environmental Planning & Assessment Act 1979* should include a resource assessment which:

- Documents the size and quality of the resource and demonstrates that both have been adequately assessed; and
- Documents the methods used to assess the resource and its suitability for the intended applications.

Furthermore, a condition of any new or amended consent should include the provision of annual production data to the Division.

Additionally, Should Biodiversity Offsets be considered, the Division requests that both the Geological Survey of NSW – Land Use Assessment team and holders of existing mining and exploration authorities that could be potentially affected by planned biodiversity offsets be consulted.

Queries regarding the above information, and future requests for advice in relation to this matter, should be directed to the Division of Resources & Geoscience - Land Use team at landuse.minerals@geoscience.nsw.gov.au.

Yours sincerely,

Andrew Helman

Senior Geoscientist – Land Use Assessment

Geological Survey of NSW, Division of Resources & Geoscience

DOC20/4452-1; EF13/4310

HBD Town Planning and Design
PO Box 40
MAITLAND NSW 2320

Attention: Ms Julie McKimm

By email: julie@hdb.com.au

16 January 2020

Dear Ms McKimm

Proposed Expansion of Rosebrook Sand and Gravel Quarry, Dalswinton Road, Dalswinton
Comments from the Environment Protection Authority (EPA)

I refer to your letter to the Environment Protection Authority (EPA) received 6 January 2020, providing opportunity to comment on the preparation of an Environmental Impact Assessment to support the application of the extension of operation for Dalswinton Quarry (the premises), which is owned and operated by Rosebrook Sand and Gravel Pty Ltd (Rosebrook Sand), and located at 511 Dalswinton Road, Dalswinton, in the Muswellbrook local government area.

The EPA provided input to the Department of Planning, Industry and Environment when it was compiling the Secretary's Environmental assessment Requirements (SEARS) for the proposal. The EPA recommends that you refer to the SEARS when drafting the EIS.

If you require any further information regarding this matter, please contact Genevieve Lorang on (02) 4908 6869.

Yours Sincerely

MITCHELL BENNETT
Head Strategic Operations Unit - Hunter
Environment Protection Authority

Phone 131 555
Phone 02 4908 6800
Fax 02 4908 6810
TTY 133 677
ABN 43 692 285 758
PO Box 488G
Newcastle
NSW 2300 Australia
117 Bull Street
Newcastle West
NSW 2302 Australia
info@epa.nsw.gov.au
www.epa.nsw.gov.au

DOC18/68940-1

SSD 18_0994

Philip Nevill
Environmental Assessment Officer, Resource Assessments
Department of Planning and Environment
philip.nevill@planning.nsw.gov.au

Dear Philip

Input into Secretary's Environmental Assessment Requirements – Dalswinton Sand and Gravel Quarry - 511 Dalswinton Road, Dalswinton (SSD 18_0994)

I refer to your email dated 7 February 2018 seeking input into the Secretary's Environmental Assessment Requirements (SEARs) for the extension of the Dalswinton Sand and Gravel Quarry, located at 511 Dalswinton Road, Dalswinton (Lot 72 in DP 1199484). The proposed development is within the Muswellbrook local government area.

The Office of Environment and Heritage (OEH) understands that Rosebrook Sand and Gravel Pty Ltd (the applicant) are seeking to extend the existing Dalswinton sand and gravel quarry for post 2019-operations for approximately a further 25 years. OEH understands that the proposal is a State Significant Infrastructure (SSD 8937) project under the *Environmental Planning and Assessment Act 1979*.

OEH has reviewed the Preliminary Environmental Assessment as prepared by Hunter Development Brokerage (dated February 2018) and has prepared Standard SEARs which are presented in **Attachment A**. There are no project-specific SEARs provided for this project (**Attachment B**).

For biodiversity and threatened species matters, this project is to be assessed in accordance with the Biodiversity Assessment Method (BAM, dated 25 August 2017) and documented in a Biodiversity Development Assessment Report (BDAR). The BDAR must include information in the form detailed in the *Biodiversity Conservation Act 2016* (s6.12) (BC Act), *Biodiversity Conservation Regulation 2017* (s6.8) and BAM. Under this process, the BDAR must be prepared by a person accredited in accordance with the Accreditation Scheme for the Application of the Biodiversity Assessment Method Order 2017 under s6.10 of the BC Act.

The proponent will need to ensure that the BDAR is fully consistent with requirements of the BAM. Details of guidance documents to assist with this process are provided in **Attachment C**.

With respect to Aboriginal cultural heritage, OEH notes that any Aboriginal cultural heritage assessment undertaken prior to 2010 is unlikely to meet current OEH Aboriginal cultural heritage guidelines for the assessment of Aboriginal cultural heritage in NSW. The OEH 2011 *Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* should be referenced in this instance.

If you have any further questions in relation to this matter, please contact Steve Lewer, Regional Biodiversity Conservation Officer, on 02 4927 3158.

Yours sincerely

STEVEN COX

Senior Team Leader - Planning
Hunter Central Coast Branch
Regional Operations Division

21 February 2018

Contact officer: STEVE LEWER
02 4927 3158

Enclosure: Attachments A, B and C

Attachment A – Standard Environmental Assessment Requirements

Biodiversity

1. Biodiversity impacts related to the proposed development (SSD 17_8795) are to be assessed in accordance with the Biodiversity Assessment Method and documented in a Biodiversity Development Assessment Report (BDAR). The BDAR must include information in the form detailed in the *Biodiversity Conservation Act 2016* (s6.12), *Biodiversity Conservation Regulation 2017* (s6.8) and Biodiversity Assessment Method.
2. The BDAR must document the application of the avoid, minimise and offset framework including assessing all direct, indirect and prescribed impacts in accordance with the Biodiversity Assessment Method.
3. The BDAR must include details of the measures proposed to address the offset obligation as follows;
   - The total number and classes of biodiversity credits required to be retired for the development/project;
   - The number and classes of like-for-like biodiversity credits proposed to be retired;
   - The number and classes of biodiversity credits proposed to be retired in accordance with the variation rules;
   - Any proposal to fund a biodiversity conservation action;
   - Any proposal to conduct ecological rehabilitation (if a mining project);
   - Any proposal to make a payment to the Biodiversity Conservation Fund.

If seeking approval to use the variation rules, the BDAR must contain details of the reasonable steps that have been taken to obtain requisite like-for-like biodiversity credits.

4. The BDAR must be prepared by a person accredited in accordance with the Accreditation Scheme for the Application of the Biodiversity Assessment Method Order 2017 under s6.10 of the *Biodiversity Conservation Act 2016*.

Aboriginal cultural heritage

5. The Environmental Impact Assessment (EIS) must identify and describe the Aboriginal cultural heritage values that exist across the whole area that will be affected by the development and document these in the Aboriginal Cultural Heritage Assessment Report (ACHAR). This may include the need for surface survey and test excavation. The identification of cultural heritage values should be guided by the Guide to investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW (DECCW, 2011) and consultation with OEH regional branch officers.

6. Consultation with Aboriginal people must be undertaken and documented in accordance with the Aboriginal cultural heritage consultation requirements for proponents 2010 (DECCW). The significance of cultural heritage values for Aboriginal people who have a cultural association with the land must be documented in the ACHAR.

7. Impacts on Aboriginal cultural heritage values are to be assessed and documented in the ACHAR. The ACHAR must demonstrate attempts to avoid impact upon cultural heritage values and identify any conservation outcomes. Where impacts are unavoidable, the ACHAR must outline measures proposed to mitigate impacts. Any objects recorded as part of the assessment must be documented and notified to OEH.

Historic heritage

8. The EIS must provide a heritage assessment including but not limited to an assessment of impacts to State and local heritage including conservation areas, natural heritage areas, places of Aboriginal heritage value, buildings, works, relics, gardens, landscapes, views, trees should be assessed. Where impacts to State or locally significant heritage items are identified, the assessment shall:

   a. outline the proposed mitigation and management measures (including measures to avoid significant impacts and an evaluation of the effectiveness of the mitigation measures) generally consistent with the NSW Heritage Manual (1996),

   b. be undertaken by a suitably qualified heritage consultant(s) (note: where archaeological excavations are proposed the relevant consultant must meet the NSW Heritage Council's Excavation Director criteria),

   c. include a statement of heritage impact for all heritage items (including significance assessment),

   d. consider impacts including, but not limited to, vibration, demolition, archaeological disturbance, altered historical arrangements and access, landscape and vistas, and architectural noise treatment (as relevant), and

   e. where potential archaeological impacts have been identified develop an appropriate archaeological assessment methodology, including research design, to guide physical archaeological test excavations (terrestrial and maritime as relevant) and include the results of these test excavations.

Water and soils

9. The EIS must map the following features relevant to water and soils including:
   a. Acid sulfate soils (Class 1, 2, 3 or 4 on the Acid Sulfate Soil Planning Map).
   b. Rivers, streams, wetlands, estuaries (as described in s4.2 of the Biodiversity Assessment Method).
   c. Wetlands as described in s4.2 of the Biodiversity Assessment Method.
   d. Groundwater.
   e. Groundwater dependent ecosystems.
   f. Proposed intake and discharge locations.

10. The EIS must describe background conditions for any water resource likely to be affected by the development, including:
   a. Existing surface and groundwater.
   b. Hydrology, including volume, frequency and quality of discharges at proposed intake and discharge locations.
   c. Water Quality Objectives (as endorsed by the NSW Government http://www.environment.nsw.gov.au/ieo/index.htm) including groundwater as appropriate that represent the community's uses and values for the receiving waters.
   d. Indicators and trigger values/criteria for the environmental values identified at (c) in accordance with the ANZECC (2000) Guidelines for Fresh and Marine Water Quality and/or local objectives, criteria or targets endorsed by the NSW Government.

11. The EIS must assess the impacts of the development on water quality, including:
    a. The nature and degree of impact on receiving waters for both surface and groundwater, demonstrating how the development protects the Water Quality Objectives where they are currently being achieved, and contributes towards achievement of the Water Quality Objectives over time where they are currently not being achieved. This should include an assessment of the mitigating effects of proposed stormwater and wastewater management during and after construction.
    b. Identification of proposed monitoring of water quality.

12. The EIS must assess the impact of the development on hydrology, including:
    a. Water balance including quantity, quality and source.
    b. Effects to downstream rivers, wetlands, estuaries, marine waters and floodplain areas.
    c. Effects to downstream water-dependent fauna and flora including groundwater dependent ecosystems.
    d. Impacts to natural processes and functions within rivers, wetlands, estuaries and floodplains that affect river system and landscape health such as nutrient flow, aquatic connectivity and access to habitat for spawning and refuge (e.g. river benches).
    e. Changes to environmental water availability, both regulated/licensed and unregulated/rules-based sources of such water.
    f. Mitigating effects of proposed stormwater and wastewater management during and after construction on hydrological attributes such as volumes, flow rates, management methods and re-use options.
    g. Identification of proposed monitoring of hydrological attributes.

Flooding and coastal erosion

13. The EIS must map the following features relevant to flooding as described in the Floodplain Development Manual 2005 (NSW Government 2005) including:
    a. Flood prone land.
    b. Flood planning area, the area below the flood planning level.
    c. Hydraulic categorisation (floodways and flood storage areas).

14. The EIS must describe flood assessment and modelling undertaken in determining the design flood levels for events, including a minimum of the 1 in 10 year, 1 in 100 year flood levels and the probable maximum flood, or an equivalent extreme event.

15. The EIS must model the effect of the proposed development (including fill) on the flood behaviour under the following scenarios:
    a. Current flood behaviour for a range of design events as identified in 11 above. This includes the 1 in 200 and 1 in 500 year flood events as proxies for assessing sensitivity to an increase in rainfall intensity of flood producing rainfall events due to climate change.

16. Modelling in the EIS must consider and document:

    a. The impact on existing flood behaviour for a full range of flood events including up to the probable maximum flood.
    b. Impacts of the development on flood behaviour resulting in detrimental changes in potential flood affection of other developments or land. This may include redirection of flow, flow velocities, flood levels, hazards and hydraulic categories.
    c. Relevant provisions of the NSW Floodplain Development Manual 2005.

17. The EIS must assess the impacts on the proposed development on flood behaviour, including:

    a. Whether there will be detrimental increases in the potential flood affectation of other properties, assets and infrastructure.
    b. Consistency with Council floodplain risk management plans.
    c. Compatibility with the flood hazard of the land.
    d. Compatibility with the hydraulic functions of flow conveyance in floodways and storage in flood storage areas of the land.
    e. Whether there will be adverse effect to beneficial inundation of the floodplain environment, on, adjacent to or downstream of the site.
    f. Whether there will be direct or indirect increase in erosion, siltation, destruction of riparian vegetation or a reduction in the stability of river banks or watercourses.
    g. Any impacts the development may have upon existing community emergency management arrangements for flooding. These matters are to be discussed with the SES and Council.
    h. Whether the proposal incorporates specific measures to manage risk to life from flood. These matters are to be discussed with the SES and Council.
    i. Emergency management, evacuation and access, and contingency measures for the development considering the full range or flood risk (based upon the probable maximum flood or an equivalent extreme flood event). These matters are to be discussed with and have the support of Council and the SES.
    j. Any impacts the development may have on the social and economic costs to the community as consequence of flooding.

Attachment B – Project Specific Environmental Assessment Requirements

Biodiversity - nil
Aboriginal cultural heritage - nil
Historic heritage - nil
Water and soils - nil
Flooding and coastal erosion - nil

Attachment C – Guidance material

Title	Web address
Relevant Legislation	
Biodiversity Conservation Act 2016	https://www.legislation.nsw.gov.au/#/view/act/2016/63/full
Coastal Management Act 2016	https://www.legislation.nsw.gov.au/#/view/act/2016/20/full
Commonwealth Environment Protection and Biodiversity Conservation Act 1999	http://www.austlii.edu.au/au/legis/cth/consol_act/epabca1999588/
Environmental Planning and Assessment Act 1979	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+203+1979+cd+0+N
Fisheries Management Act 1994	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+38+1994+cd+0+N
Marine Parks Act 1997	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+64+1997+cd+0+N
National Parks and Wildlife Act 1974	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+80+1974+cd+0+N
Protection of the Environment Operations Act 1997	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+156+1997+cd+0+N
Water Management Act 2000	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+92+2000+cd+0+N
Wilderness Act 1987	http://www.legislation.nsw.gov.au/viewtop/inforce/act+196+1987+FIRST+0+N
Biodiversity	
Biodiversity Assessment Method (OEH, 2017)	http://www.environment.nsw.gov.au/resources/bcact/biodiversity-assessment-method-170206.pdf
Guidance and Criteria to assist a decision maker to determine a serious and irreversible impact (OEH, 2017)	http://www.environment.nsw.gov.au/resources/bcact/guidance-decision-makers-determine-serious-irreversible-impact-170204.pdf
NSW Guide to Surveying Threatened Plant	http://www.environment.nsw.gov.au/resources/threatenedspecies/160129-threatened-plants-survey-guide.pdf
Fisheries NSW policies and guidelines	http://www.dpi.nsw.gov.au/fisheries/habitat/publications/policies,-guidelines-and-manuals/fish-habitat-conservation
List of national parks	http://www.environment.nsw.gov.au/NationalParks/parksearchatoz.aspx
Revocation, recategorisation and road adjustment policy (OEH, 2012)	http://www.environment.nsw.gov.au/policies/RevocationOfLandPolicy.htm
Guidelines for developments adjoining land and water managed by the Department of Environment, Climate Change and Water (DECCW, 2010)	http://www.environment.nsw.gov.au/protectedareas/developmntadjoiningdecc.htm
Heritage	
The Burra Charter (The Australia ICOMOS charter for places of cultural significance)	http://australia.icomos.org/wp-content/uploads/The-Burra-Charter-2013-Adopted-31.10.2013.pdf
Statements of Heritage Impact 2002 (HO & DUAP)	http://www.environment.nsw.gov.au/resources/heritagebranch/heritage/hmstatementsofhi.pdf
NSW Heritage Manual (DUAP) (scroll through alphabetical list to 'N')	http://www.environment.nsw.gov.au/Heritage/publications/

Title	Web address
Aboriginal Cultural Heritage	
Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW, 2010)	http://www.environment.nsw.gov.au/resources/cultureheritage/commconsultation/09781ACHconsultreq.pdf
Code of Practice for the Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW, 2010)	http://www.environment.nsw.gov.au/resources/cultureheritage/10783FinalArchCoP.pdf
Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW (OEH 2011)	http://www.environment.nsw.gov.au/resources/cultureheritage/20110263ACHguide.pdf
Aboriginal Site Recording Form	http://www.environment.nsw.gov.au/resources/parks/SiteCardMainV1_1.pdf
Aboriginal Site Impact Recording Form	http://www.environment.nsw.gov.au/resources/cultureheritage/120558asirf.pdf
Aboriginal Heritage Information Management System (AHIMS) Registrar	http://www.environment.nsw.gov.au/contact/AHIMSRegistrar.htm
Care Agreement Application form	http://www.environment.nsw.gov.au/resources/cultureheritage/20110914TransferObject.pdf
Acid sulphate soils	
Acid Sulfate Soils Planning Maps via Data.NSW	http://data.nsw.gov.au/data/
Acid Sulfate Soils Manual (Stone et al. 1998)	http://www.environment.nsw.gov.au/resources/epa/Acid-Sulfate-Manual-1998.pdf
Acid Sulfate Soils Laboratory Methods Guidelines (Ahern et al. 2004)	http://www.environment.nsw.gov.au/resources/soils/acid-sulfate-soils-laboratory-methods-guidelines.pdf This replaces Chapter 4 of the Acid Sulfate Soils Manual above.
Flooding and Coastal Erosion	
Reforms to coastal erosion management	http://www.environment.nsw.gov.au/coasts/coastalerosionmgmt.htm
Floodplain development manual	http://www.environment.nsw.gov.au/floodplains/manual.htm
Guidelines for Preparing Coastal Zone Management Plans	Guidelines for Preparing Coastal Zone Management Plans http://www.environment.nsw.gov.au/resources/coasts/130224CZMPGuide.pdf
NSW Climate Impact Profile	http://climatechange.environment.nsw.gov.au/
Climate Change Impacts and Risk Management	Climate Change Impacts and Risk Management: A Guide for Business and Government, AGIC Guidelines for Climate Change Adaptation
Water	
Water Quality Objectives	http://www.environment.nsw.gov.au/ieo/index.htm
ANZECC (2000) Guidelines for Fresh and Marine Water Quality	www.environment.gov.au/water/publications/quality/australian-and-new-zealand-guidelines-fresh-marine-water-quality-volume-1
Applying Goals for Ambient Water Quality Guidance for Operations Officers – Mixing Zones	http://deccnet/water/resources/AWQGuidance7.pdf

Title	Web address
Approved Methods for the Sampling and Analysis of Water Pollutant in NSW (2004)	http://www.environment.nsw.gov.au/resources/legislation/approvedmethods-water.pdf

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1st Floor, 44 Church Street
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W hdb.com.au

File Ref: 19/047

13 December 2019

Subject: Proposed Expansion of Dalswinton Quarry,

511 Dalswinton Road, Dalswinton.

Dear ,

HDB Town Planning and Design has been engaged by *Rosebrook Sand and Gravel* (Rosebrook) to undertake an environmental impact assessment to extend the life of Dalswinton Quarry located on Lot 72 DP1199484.

Rosebrook currently operates under an approval which allows sand and gravel extraction on the site until 13th November 2022. The proposal seeks to continue the same operation for a further 25 years over an expanded footprint towards the east, within the existing site boundaries.

We have received the Planning Secretary's Environmental Assessment Requirements (SEARs) from the Department of Planning, Industry and Environment in which it is requested that we undertake consultation with your authority.

We are, therefore, requesting a review of the proposal and any additional comments or requirements from your authority.

An overview of the development is attached for your information, including the proposed Expansion Plan. If you would like any additional details, please feel free to contact Julie McKimm on 4933 6682 or alternatively you may email julie@hdb.com.au. We request any correspondence on this matter to be sent to us by the Friday 7th February 2020, at the latest.

Yours sincerely

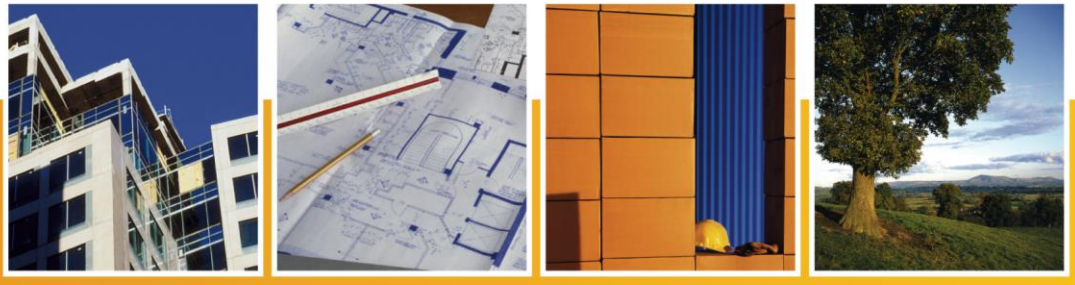
HDB Town Planning & Design

Julie McKimm

Town Planner

Encl: Dalswinton Quarry Expansion Overview

QUARRY EXPANSION OVERVIEW



For

Dalswinton Quarry

511 Dalswinton Road, Dalswinton

Prepared for

Rosebrook Sand and Gravel

Report 19/047 Rev A

Prepared by

hdb
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Document History and Status

Issue	Revision	Issued To	Qty	Issue Date	Author	Reviewed

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Applicant:	HDB Town Planning & Design
HDB Project Manager:	Mathew Egan
HDB Reference Number:	19/047

Project Manager …… Date……..

This document is for discussion purposes only, unless signed and dated by the person identified

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APPENDICES

FIGURES

1.0 INTRODUCTION

1.1 BACKGROUND

Rosebrook Sand and Gravel (RSG) are presently preparing a new application that will extend/expand the current quarrying operations that are being undertaken at their Dalswinton Quarry.

Dalswinton Quarry is situated on Lot 72 DP1199484 and operates under Development Application 410/1995 which allows sand and gravel extraction on the site until 13th November 2019. The proposal will seek to vary the footprint and continue the extraction operation post 2019.

The proposed development is expected to extract approximately 15-20 million tonnes of material over an expected life of twenty-five years. The quarrying operation will expand across 89ha of the site, with an estimated annual maximum production of 500,000 tonnes per year. The proposed development will also include reworking of the previous Stages 1 and 2 to recover fine aggregates previously discarded.

Progressive rehabilitation will occur as part of site operations to return the land to grazing uses at the end of the operations.

As this development is expected to exceed the 5 million tonnes threshold within the State Environmental Planning Policy (State and Regional Development) 2011 the development is considered to be State or Regionally significant and therefore requires the submission of an EIS as part of the assessment process.

HDB Town Planning and Design have received the Planning Secretary's Environmental Assessment Requirements (SEARs) and are in the process of preparing the required information for submission of the Environmental Impact Statement (EIS), along with the necessary specialist reports.

1.2 CONTACT DETAILS

1.2.1 PROPOSED DEVELOPMENT SITE DESCRIPTION

Lot 72 DP 1199484

511 Dalswinton Road, Dalswinton

1.2.2 CONTACT DETAILS

Mathew Egan
HDB Town Planning & Design
PO Box 40
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1.2.3 OWNERSHIP DETAILS

Rosebrook Sand and Gravel Pty Ltd
c/- HDB Town Planning & Design
PO Box 40
MAITLAND, NSW 2320

PH: 02 4933 6682
FX: 02 4933 6683
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2.0 SUBJECT SITE

2.1 LOCATION

Address:	**Lot 72 DP 1199484, 511 Dalswinton Road, Dalswinton**
Local Government:	**Muswellbrook Shire Council**
Locality:	**Dalswinton**
Area of site:	**160 hectares**
Zone:	**RU 1 – Primary Production**

Figure 1: Location Plan
Source: Google Maps, accessed December 2019

3.0 THE PROPOSAL

Dalswinton Quarry has been extracting decorative gravel and aggregates from the western part of the subject site under previous consents since 1986. As the quarry approaches the end of its approval period the owners see the potential to expand the operations to the eastern part of the site. With the recent changes in the market demand there is also the opportunity to re-work the previously extracted areas to recover the fine aggregates (less than 10 mm), which were previously returned to pits as reject material.

RSG estimates significant quantities of reserves in the existing footprint as well as adjoining areas which would allow for operations to continue for another 25 years.

The extraction rate will depend on the market dynamics and it is anticipated that a maximum of 500,000 tonnes of materials per annum will be produced during peak demand periods. An indicative layout of the proposed development is attached. An accurate footprint of the quarry site will be determined during the preparation of the EIS once a more detailed constraints analysis and feasibility assessment has been undertaken.

3.1 THE EXTRACTION AREA

It is proposed to have two working areas within the site. Reworking over approximately 50 ha of land within Stages 1 and 2 of the current DA will constitute Work Area 1. Approximately 39 ha of unmined land to the east of this footprint will form Work Area 2 (see ***Appendix A Proposed Expansion of Dalswinton Quarry Plan***). Each area will be worked simultaneously and followed by rehabilitation.

3.2 THE EXTRACTION PROCESS

Gravel will be extracted by a hydraulic excavator and loaded into haul trucks for transfer to the existing processing plant located in the south-east part of the site.

Extracted materials will undergo primary screening prior to being transported to the processing area for secondary screening and crushing to produce a full range of decorative gravel, crushed aggregate, and road base material.

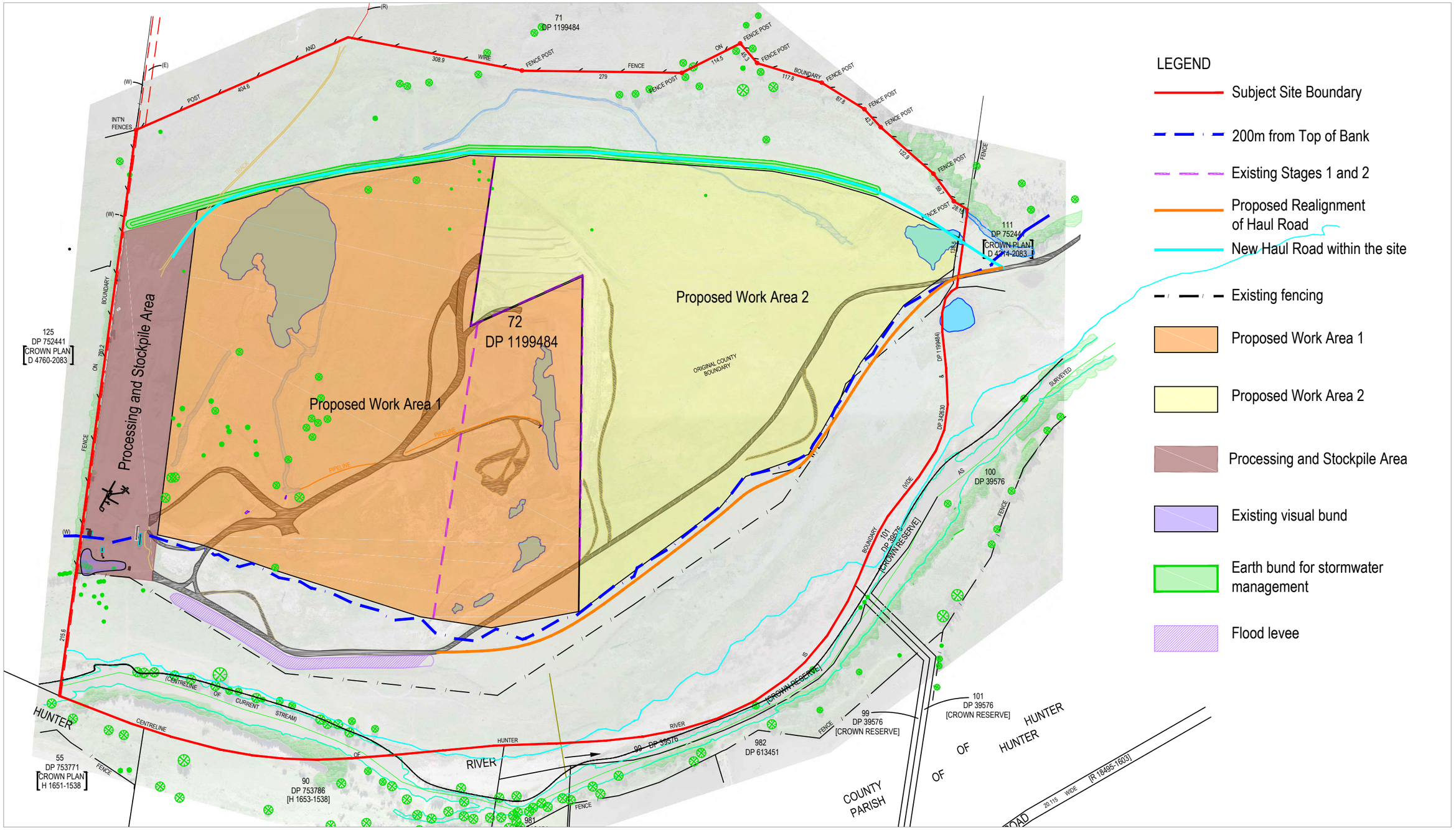
The products will then be stockpiled on site before being loaded into trucks for delivery to markets in the Hunter Valley and Sydney regions. It is anticipated to have approximately 60,000 tonnes of materials in the stockpile area, at any one time, to meet the market demand. The height of the stockpile will be limited to 6m and run parallel to the River.

The product haulage will be along the existing haul road to the north-east of the site, which connects to the Golden Highway. A minor realignment to the haul road in the southern part of the site will be required to allow extraction in the eastern part of the site.

The proposed extraction will be undertaken to the depth of bedrock and final landform following the rehabilitation will be 2m above the median flow in the Hunter River.

APPENDIX A

PROPOSED EXPANSION OF DALSWINTON QUARRY PLAN



PROPOSED EXPANSION OF DALSWINTON QUARRY

N

CLIENT: ROSEBROOK SAND AND GRAVEL PTY LTD

PROJECT: DALSWINTON QUARRY EXPANSION

DRAWING NO: A101	REV: 1
DATE: 15/10/2018	
SCALE: NTS	DRAWN: LS

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