

APPENDIX D

PUBLIC CONSULTATION

File Ref: 19/047

3 April 2020

**Subject: Proposed Expansion of Dalswinton Quarry,
511 Dalswinton Road, Dalswinton.**

Dear ,

Thank-you for your phone call yesterday. As promised, please find the following outlining the proposed expansion of Dalswinton Quarry.

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. The development will maintain the existing buffers to the north, south and west and site operations will not change significantly.

As you would know, Dalswinton Quarry has been operating as a low impact development and Rosebrook is committed to ensuring that the future operations continue in an environmentally responsible manner. A number of specialist studies including traffic, noise and air quality are currently being undertaken and we would welcome any comments/concerns you may have on the proposed quarry expansion so they can be addressed in the environmental assessment.

An overview of the development is attached for your information. 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.

Yours sincerely

HDB Town Planning & Design



Julie McKimm

Town Planner

Encl: Public consultation document- Dalswinton Quarry expansion

Public Consultation Document



For
Dalswinton Quarry Expansion

Prepared for
Rosebrook Sand and Gravel Pty Ltd

November 2019



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Attachment 1: Proposed Expansion of Dalswinton Quarry

1.0 PROJECT OVERVIEW

Dalswinton Quarry is situated on Lot 72 DP1199484 and operates under DA 410/1995 which allows sand and gravel extraction on the site until 13th November 2019. This has recently been extended by a Section 4.55 Modification Application to ensure the continuance of the operation in its existing state. The owners, Rosebrook Sand and Gravel Pty Ltd (Rosebrook), are seeking to vary the footprint and continue the extraction operation post 2019.

At present the quarrying activities are confined to the western part of the site and extraction occurs at varying rates, up to a maximum of 150,000 tonnes per annum. Sand and gravel extracted from the site are marketed in Sydney and Hunter Valley Regions for a range of uses including road base, stemming material, aggregates for concrete mix and decorative gravel for landscaping.

The proposed development will occur across approximately 89ha of the site including expansion towards the east as well as reworking of the previously extracted areas to recover the discarded fines and larger aggregates. Materials will be produced on demand at an average rate of 250,000 tonnes per year. To allow for the peak demand periods, the proposed production rate is set to a maximum of 500,000 tonnes per year based on which approximately 12.5 million tonnes are estimated to be extracted over an expected life of twenty five years.

Approximately 60,000 tonnes of stockpiled materials of different grades/sizes will be stored on site to keep up with the higher production rate and market demand. No other changes are anticipated for the extended operations and the proposal will adopt the existing method of operations, storage, and transfer of materials, the details of which are provided later in this report.

The proponent proposes progressive rehabilitation to minimise the extent of disturbed area at any given time. Extraction pits will be backfilled, reshaped, top soiled and sown with pasture species for grazing purposes at the end of the operations.

Figure 1 shows the context and location of Dalswinton Quarry.



Figure 1: Site Context

Source: Google Earth, accessed July 2018

2.0 PROJECT HISTORY

Dalswinton Quarry operates on the broad terraces of a cut-off meander of the Hunter River. Quarrying on the site dates back to late 1980's when extraction and processing operations occurred in the south-eastern part of the site. Subsequently, the operations were relocated to the upper terrace in the western part of the site under the current consent, DA 410/1994. This approval was issued on 13st November 1995, to extract approximately 1.87 million tonnes over 23 years at an average rate of 80,000 tonnes per annum, in accordance with the EIS.

The extraction area involved two stages and three different plant sites were identified to facilitate processing closer to the excavation area as the footprint of extraction progressed through these stages.

Through subsequent s96 modifications in 2001, 2006, 2009, 2014 and 2019, the extraction areas were re-aligned and the life of the quarry was extended to 13th November 2022.

The approved hours of operation, as amended, are:

- Monday to Friday - 5:00 am to 12:00 am;
- Saturday - 5:00 am to 1:30 pm;
- No quarrying to be undertaken on Sundays.

Dalswinton Quarry has changed hands several times before its ownership was taken over by *Rosebrook Sand and Gravel Pty Ltd* in 2010, which resulted in varying levels of production and intermittent shutdowns since the commencement of operations. Furthermore, the past operations targeted only the 10mm aggregates and rest of the excavated materials were returned to the pits as backfill. Due to these reasons, the forecast tonnages have not been reached and significant reserves of materials still remain in the currently approved quarry site and the undisturbed area to the east. With the current market demand for fines and aggregates larger than 10mm, there is also the opportunity to work back to recover the previously discarded materials.

Figure 2 shows the history of quarrying operations on the site.

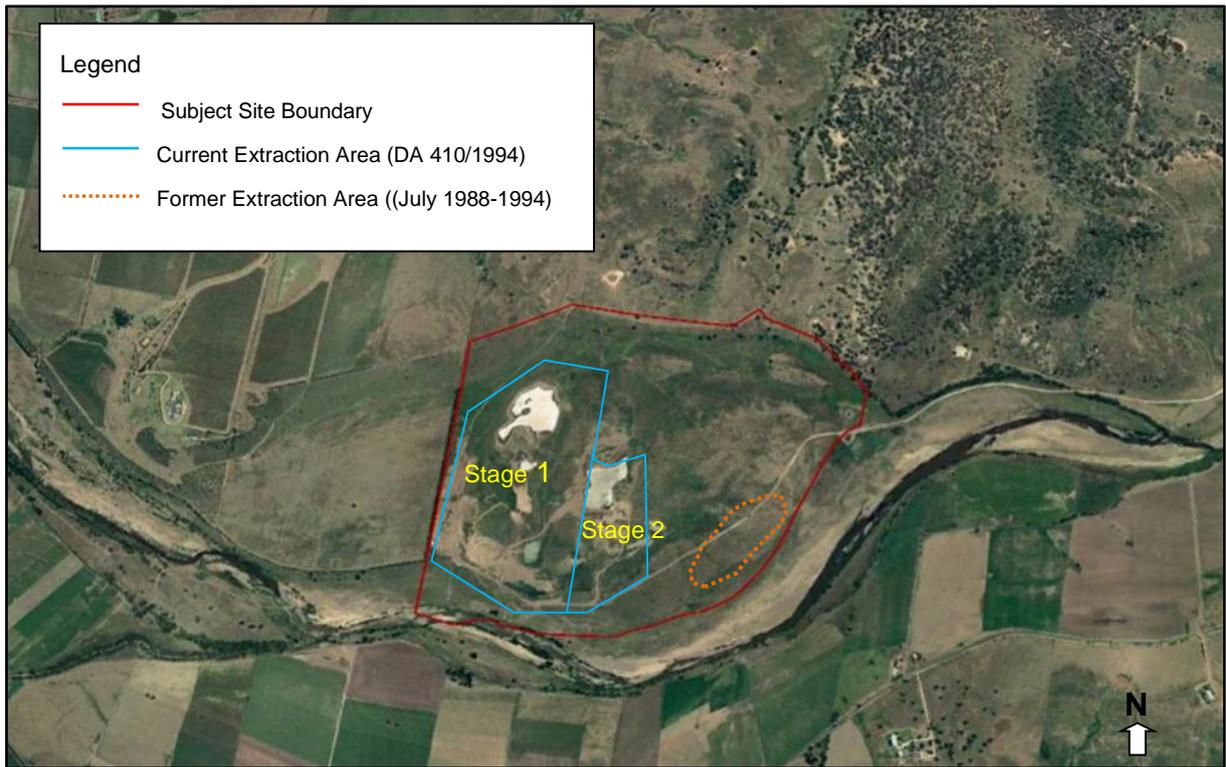


Figure 2: History of site operations

Source: Google maps

3.0 THE PROPOSAL

3.1 Description of the Proposal- Quarrying Operations

Proposed development involves extraction of sand and gravel from the eastern part of the site and material recovery from previously backfilled areas. There will be two working areas within the site namely Work Area 1 and Work Area 2. Approximately 50 ha of land in the current extraction footprint will constitute Work Area 1 and around 35 ha of unmined land to the east will form Work Area 2, as shown in Figure 3.

Work Area 1 will be re-worked to recover fines and larger aggregates that were previously discarded whilst Work Area 2 will yield a range of aggregate sizes including fines. Each area will be worked continuously, depending on the size specified by the customers. Refer to **Figure 3** and **Attachment 1** for details of the quarry expansion.

The extraction rate will vary depending on the market dynamics. Average production rate is estimated to be 250,000 tonnes/year; however, the proposal sets a maximum limit of 500,000 tonnes/year to account for peak demand periods.

There will be upgrades to the existing office, workshop and some machinery as part of the proposal. The extent of extraction to the north will be defined by the existing levee bank in this location and a 200m buffer will be maintained to the top of bank of Hunter River in the south.

Additional environmental management measures, if required will be adopted to mitigate noise, flooding and other impacts, as informed by the specialist studies to maintain the amenity of the locality.

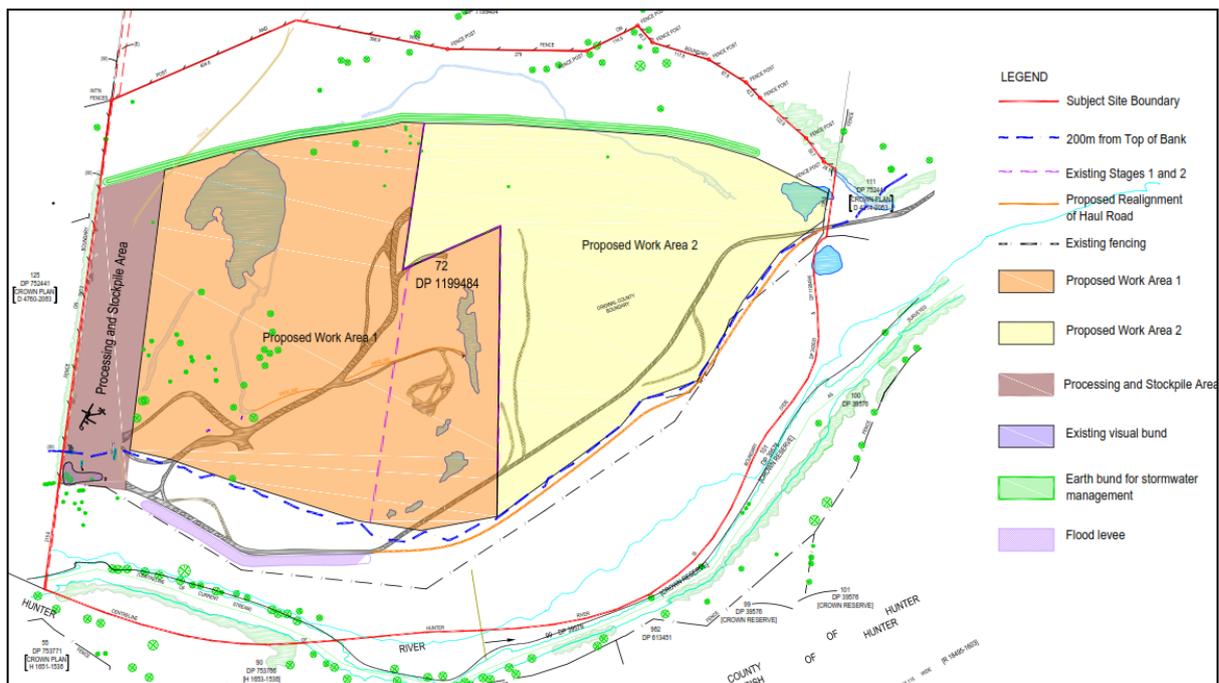


Figure 3: Proposed expansion of Dalswinton Quarry

Source: HDB Town Planning and Design

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-west part of the site. Screening and crushing to produce a full range of decorative gravel, crushed aggregate, and road base material and other products will occur in this area. The operation will make use of mobile and fixed machinery for crushing and screening; however all the mobile machinery will be confined to the boundaries of the processing area.

The products are then 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 to meet the market demand. Height of these stockpiles will be limited to 6m and aligned parallel to the River in the designated storage area. 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 2-3m above the median flow in the Hunter River.

The following is a list of the machinery and equipment that will be used on the site:

- Hydraulic Excavator
- Mobile crusher
- Mobile processing plant
- Fixed Screening and Processing Plant
- Dump Trucks

3.3 Hours of operation

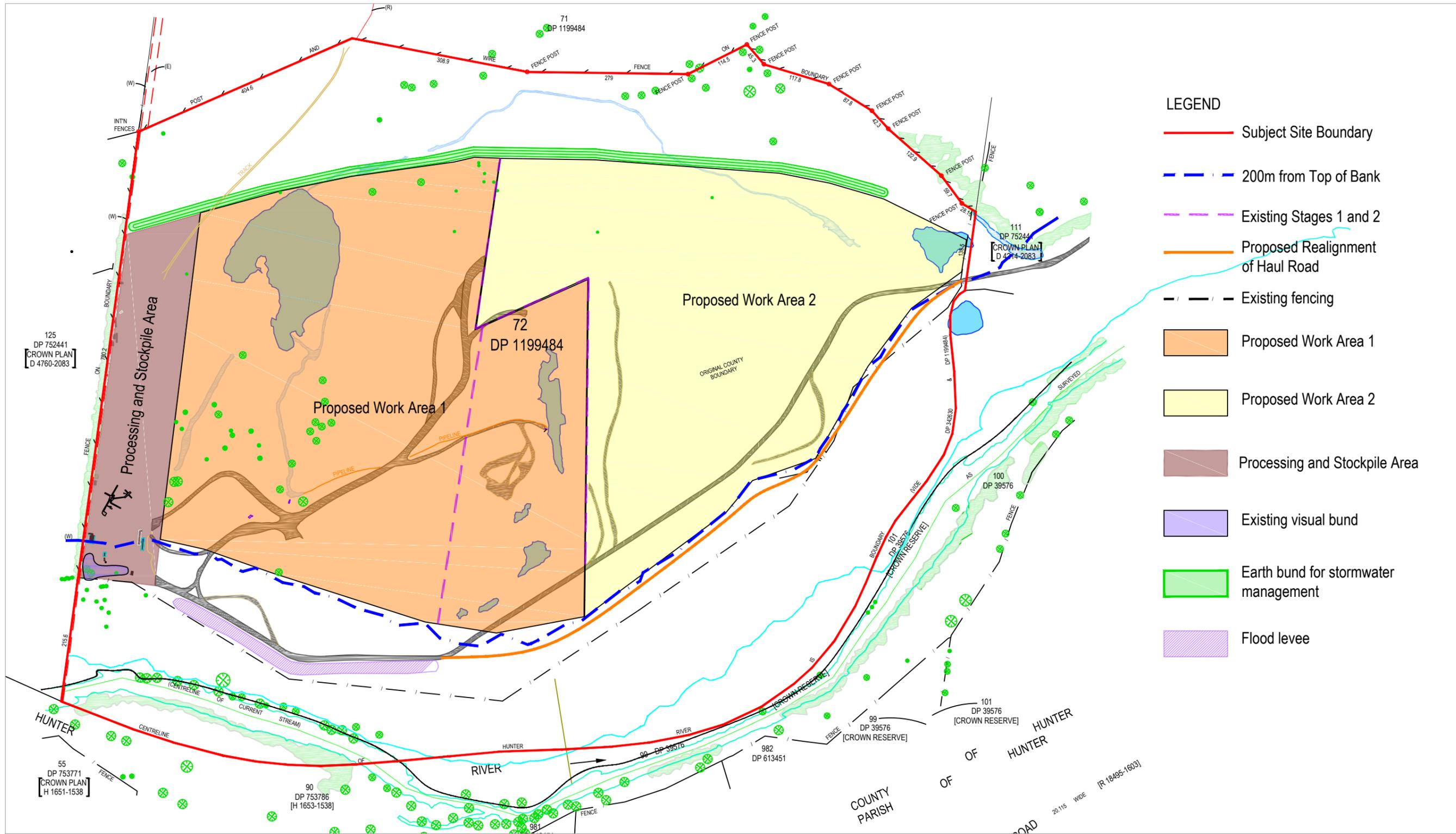
There will be no changes to the operating hours of the quarry, it will maintain the currently approved hours, as below:

- Monday to Friday - 5:00 am to 12:00 am;
- Saturday - 5:00 am to 1:30 pm.

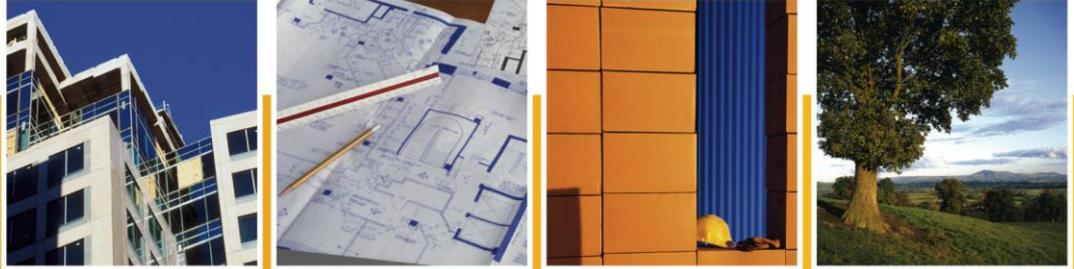
There will be no quarrying operations on Sundays and public holidays.

3.4 Staffing

It is expected that the development will require 2-4 staff in addition to the eight employees on site at present. Staff levels will be determined by the market dynamics and under no circumstances will it exceed 12 employees, as in the original proposal. The existing office and workshop will be upgraded. New ablution facilities will connect to the existing Council approved effluent disposal system on the site and existing parking spaces on the site will be maintained.



QUARRY EXPANSION OVERVIEW



For
Dalswinton Quarry
511 Dalswinton Road, Dalswinton

Prepared for
Rosebrook Sand and Gravel

Report 19/047 Rev A

Prepared by
hdb
planning > design > development

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Document History and Status

Issue	Revision	Issued To	Qty	Issue Date	Author	Reviewed



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 HDB Reference Number: 19/047

Project Manager **Date**.....

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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
MAITLAND, NSW 2320

PH: 02 4933 6682

FX: 02 4933 6683

E: mathew@hdb.com.au

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

E: mathew@hdb.com.au

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

File Ref: 19/047

27 May 2020

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

Dear Resident,

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. The development will maintain the existing buffers to the north, south and west and site operations will not change significantly.

As part of the consultation requirement from the Department of Planning, Industry and Environment, we are holding a drop-in session in Denman on 30 June 2020 from 2.00 pm to discuss the proposal and any issues or concerns you may have the proposal. Please see the attached flyer for details.

Due to current COVID-19 restrictions and to ensure that the current social distancing standards are adhered to we request that you rsvp your intent to attend to julie@hdb.com.au by 23 June 2020.

We look forward to meeting you at the session, if you have any queries prior to this, please do not hesitate to contact the undersigned on (02) 4933 6682.

Yours sincerely

HDB Town Planning & Design



Julie McKimm

Town Planner

Encl: Drop-in Session Flyer - Dalswinton Quarry expansion

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

