



# R.W. CORKERY & CO. PTY. LIMITED

Geological and Environmental Consultants

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## EMAIL TRANSMISSION

TO: Matthew Sprott EMAIL: matthew.sprott@planning.nsw.gov.au

ORGANISATION: DPIE DATE: 17 February 20

COPY: C. Phillips, Metromix REFERENCE: 559

SUBJECT: Teralba Quarry – Updated Rehabilitation Bond Estimation

Confidential  Please Reply  For Follow-up  Urgent  For your information

Greetings Matthew,

This letter, the attached rehabilitation bond estimate (**Attachment A**) and rehabilitation domain figure (**Figure A**) have been prepared by R.W. Corkery & Co to update the calculation of the Rehabilitation Bond for the Teralba Quarry (the Quarry).

In accordance with Condition 58(b) of Schedule 3 of Project Approval 10\_0183 a rehabilitation bond is required to account for the complete rehabilitation of the Quarry taking into account the likely surface disturbance over the next 3 years of quarrying operations. As the existing rehabilitation bond estimate is dated for September 2019, this estimate has taken into account three years of operations from that time, that is, until September 2022. The rehabilitation domains have been modified from those presented in the approved Biodiversity and Rehabilitation Management Plan (June 2019) to account for rehabilitation of the Quarry to September 2022. These domains are displayed in **Figure A**.

The quantum of the Rehabilitation Bond for the Quarry has been calculated using the estimation tool provided by the Division of Resources and Geoscience for State significant mining projects (updated June 2017). Metromix has also taken the opportunity to seek an external quote for the necessary infrastructure demolition and removal and earthworks required for rehabilitation from Bitz Excavations. This quote is included with the rehabilitation bond estimate (**Attachment A**) and has been sought to give Metromix an accurate indication of the Company's liabilities for closure and to inform the rehabilitation bond calculation.

In accordance with the approved Biodiversity and Rehabilitation Management Plan, those areas approved for a final land use as industrial land would be decommissioned and profiled with no significant earthworks or native vegetation regeneration required. Remaining areas would be rehabilitated in accordance with the approved Biodiversity and Rehabilitation Management Plan. The cost estimate has taken into consideration areas where significant rehabilitation is already under way and existing or recently constructed fencing is in place.

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17 February 2020

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Should you have any questions regarding the attached please do not hesitate to contact me in our Brooklyn office or Mr Mo Yunusa directly.

Regards



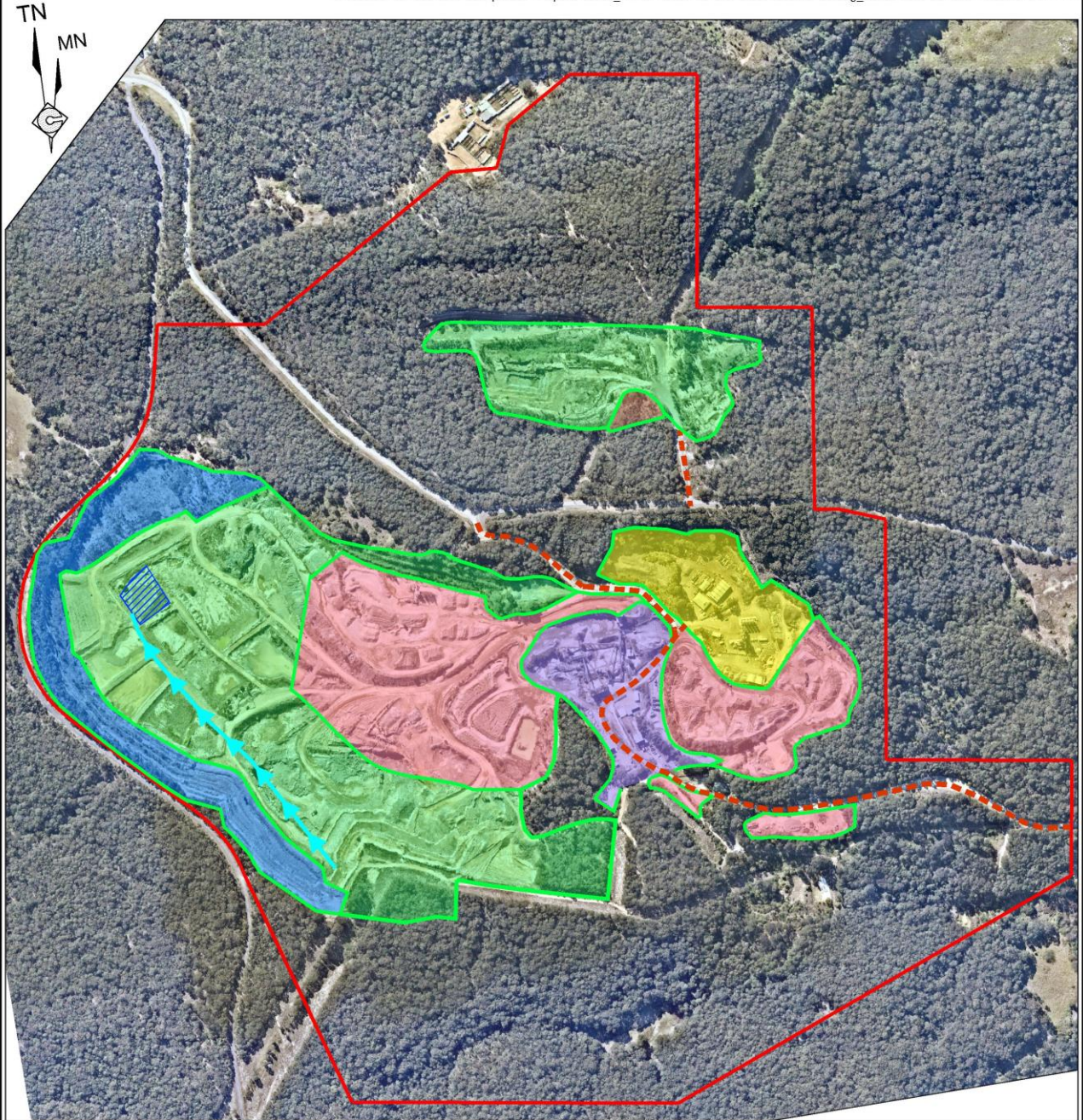
Principal Environmental Consultant

Attached: Attachment A – Teralba Quarry Rehabilitation Cost Estimate – January 2020  
Figure A – Rehabilitation Bond Domains  
Attachment B – Bitz Excavations Letter Quote – December 2019

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- REFERENCE
- Quarry Site Boundary
  - Domain Boundary
  - - - Retained Access Road
  - Continuing Industrial Use (not within Metromix responsibility - 4.0ha)
  - Infrastructure Area (Final Land Use Industrial - 4.0ha)
  - Extraction Area (Final Land Use - Industrial - 15.3ha)
  - Extraction Area (Final Land Use - Native Vegetation Conservation - 26.9ha)
  - Rehabilitated Land (6.5ha)
  - Topsoil Stockpile (0.3ha)
  - Drain and Direction (480m)
  - ▨ Dam

SCALE 1:10 000 (A4)

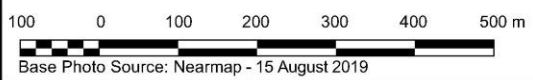


Figure A  
REHABILITATION BOND DOMAINS



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NSW 2517  
(02) 4285 3100  
ABN 43 003 820 200**

# Metromix Teralba Quarry

Rehabilitate Quarry site at completion of use

18<sup>th</sup> December 2019

Attn. Mo Yunusa

Removal of all structures and rehab site for industrial use

Bitz Excavations Pty Ltd are pleased to submit herein our proposal for rehabilitation works at Teralba Quarry:

Our lump sum price for the works as outlined below is as follows

Demolish and remove all structures **\$ 296,232.80** excl. GST

Rehabilitate site **\$ 647,676.00** excl. GST

TOTAL **\$ 943,908.80** excl. GST

## 1.0 Bitz Company Overview

Bitz Excavations is a family owned and operated business, established 31 years ago by brothers Peter and Noel Bitz. Both have a lifetime of experience in the earthmoving industry and are proud to have their sons and daughters working beside them every day, following diligently in their footsteps.

We currently have 15 full-time employees-a great, close-knit team who share the same dedication to their work as directors Peter and Noel. All our staff are well trained, friendly and happy to provide advice on your specific earthmoving and excavation needs, including domestic and commercial projects.

Based in Wollongong, with a large workshop facility, we have a comprehensive range of plant machinery and equipment available for hire. We have completed jobs all over NSW and worked on projects for major companies and councils. We take pride in our ability to offer innovative and professional services based on practical 'hands on' experience.

Bitz places the highest importance on OHS&R, environmental management, integrity and compliance with relevant laws and regulations and is constantly developing its management system with the intention of working towards becoming accredited.

Bitz's team consists of a number of experienced civil contractors, qualified tradespeople, and accredited operators who collectively have completed an array of Civil, Rural, Construction and Environmental projects. This broad range of qualifications and experience allows us to undertake civil and remediation projects in house, reducing our reliance on sub-contractors.

## 2.0 Program

Site works would commence shortly following approval of project documentation and are anticipated to take approx 8 months to complete assuming uninterrupted site access and continuity of works.

## 3.0 Task Appreciation & Project Execution

Bitz have undertaken a site inspection (12/12/2019) reviewed all provided documentation and gained a thorough understanding of the project requirements. We have developed the following task appreciation.

We summarise our understanding of the project scope as follows, and provide further detail in the body of this letter:

### **Preliminaries**

- Project documentation relating to works to be undertaken by Bitz Pty Ltd;
- Mobilisation to site of D10 Dozer, 50t Excavator, 2x40t Articulated dump trucks

### **Infrastructure Demolition and removal**

- Demolish all plant structures, building and privately-owned services.
- It is assumed that no items are to be salvaged in this process
- Removal of all waste and scrap metal including concrete and bitumen

### **Earthworks within the quarry**

- Level all quarry benches and surfaces for use as industrial land. Remaining areas to be profiled for vegetation
- Cut and fill where needed to make land suitable for other users
- Silt cells backfilled with overburden (no allowance made for imported materials)
- All remaining vertical faces to be battered or back filled to make safe and stable
- Drainage ditches established throughout the quarry floor

## 4.0 Project Personnel

We provide the following summary of key project personnel all of whom have been involved in a range of works.

### **David Bitz – Project Management**

Dave has around 20 years' experience in the civil, rural contracting and quarrying industries. Dave has been involved in works with a number of local and national civil contractors including RMS, Stocklands, Illawarra Coal, BMD, Cleary Bros. & Simmons. Dave will have primary responsibility for the overall delivery of the project and co-ordination and management of the site project team and sub-contractors. Dave has a long work history within the Newcastle, Shoalhaven and Illawarra. Along with the nominated management team his past experience will facilitate the project objectives are exceeded, delivered on time and with minimal disturbance on the surrounding environs.

### **Peter Knapp – Site Supervisor**

Peter has over 30 years' experience working in a range of positions within multiple industries relating to civil construction he's knowledgeable in civil contracting, construction, drainage, roads, structures and drilling having worked across almost every sector within the industry. Peter is a proactive member of the team whose commitment to successfully completing projects is second to none.

## 5.0 Tender Notes and Clarifications

We provide the following notes and clarifications to our proposal. We would welcome the opportunity to meet and discuss any of the following items and would be happy to provide additional clarification or detail as requested.

- All prices are GST exclusive;
- We make no allowance for any delays due to inclement weather;
- No allowance for any geotechnical/material testing;
- No allowance made to undertake a DBYD or detailed service location;
- No allowance for the temporary protection of existing assets;
- No allowance for baseline survey and set out, we understand this would be provided;
- No allowance for dust suppression

Thank you for the opportunity to tender for this project, we trust it meets your requirements. We would be interested in discussing any aspects of our submission so that the best project outcome can be achieved. Please contact the undersigned on 0402 141 435 to discuss any queries.

Yours faithfully,

Bitz Excavation Pty Ltd

David Bitz

Managing Director

0402 141 435