

MINING PERMIT APPLICATION FOR INZALO CRUSHING & AGGREGATES (PTY) LTD

PROOF OF PUBLIC PARTICIPATION

REFERENCE NUMBER: KZN 30/5/1/3/2/10724MP

NOVEMBER 2020

Part 1



PROOF OF LAND CLAIM RECEIVED ON 8 OCTOBER 2020



OFFICE OF THE REGIONAL LAND CLAIMS COMMISSIONER: KWAZULU-NATAL

139 Langalibalele Street, PIETERMARITZBURG, 3200, Private Bag X 9120, PIETERMARITZBURG, 3200
Tel: (033) 341 2600 | Fax: (033) 342 2881

Your Ref:

Enquiries: Lynn Boucher

Greenmined Environmental
Private Bag X15
SOMERSET WEST
7129

Dear Sir/Madam

REQUEST INFORMATION ON PROPERTY: LAND CLAIM

We acknowledge receipt of your enquiry received on 30 September 2020 and advise that our records indicate that no claim for restitution in terms of the provisions of the Restitution of Land Rights Act, 22 of 1994 (as amended) has been lodged in respect of the property described as **Portion 0 (remaining extent) of the farm Thandisizwe No. 16691.**

Whilst great care is taken to verify the accuracy of the information regarding all claims, the Regional Land Claims Commission will not be held responsible for any damage or loss suffered as a result of information furnished in this regard as there are claims lodged with the Commission which are not yet captured in our database as they are not yet published in the relevant government gazette.

Regards

pp LMJ Boucher

MR N. P. MDLULI
MANAGER: INFORMATION AND RECORDS MANAGEMENT
DATE: 8 October 2020

**EXAMPLE OF THE BACKGROUND INFORMATION
LETTER SENT TO INFORM THE STAKEHOLDERS
AND I&AP'S ON 13 OCTOBER 2020**



DEPARTMENTAL REFERENCE NO: KZN 30/5/1/3/2/10724MP

Applicant:

Inzalo Crushing & Aggregates (Pty) Ltd
P.O. Box 26730
East Rand
Kempton Park
1462
Tell: 011 966 4300
Email: chris@beinternational.co.za

BACKGROUND INFORMATION DOCUMENT

13 October 2020

To whom it may concern

RE: NOTICE OF APPLICATION IN TERMS OF SECTION 27 OF THE MINERALS AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT NO 28 OF 2002) AND THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT 107 OF 1998 NEMA) AS WELL AS THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS, 2014 (AS AMENDED 2017).

BACKGROUND INFORMATION

Portion 0 (Remaining Extent) of the farm Thandisizwe No 16691 FT in the uMgungundlovu Magisterial District is located ±6 km North-East of Copesville. The low agricultural potential of the property called for the extension of the land use to include shale mining and the associated operation of a clay brick factory by the landowner some years ago. The development of a filling station is also proposed in the northern corner of the property (bordering the R33 provincial road).

Further to this, Inzalo Crushing and Aggregates (Pty) Ltd (hereafter referred to as the "Applicant") identified the need to mine the dolerite intrusion along the western boundary of the property, and will therefore apply for a mining permit over a 4.9 ha area (see Figure 1). The proposed mining footprint extends over an undisturbed section of the property that is occasionally used for grazing.

SITE DESCRIPTION

As mentioned earlier, the proposed site is located ±6 km North-East of Copesville on the outskirts of Pietermaritzburg. The extent of the proposed mining footprint is 4.9 ha, and the GPS coordinates of the area are as listed below.

the goal isn't to live forever, it is to protect a planet that will

Greenmined Environmental (Pty) Ltd | Tel: 021 851 2673 | Fax: 086 546 0579
Unit M01, Office No 36, AECI Site, Baker Square, Paardevlei, De Beers Avenue, Somerset West, 7130
Postnet Suite 62, Private Bag x15, Somerset West, 7129
Directors: S Smit; C Weideman | Reg No: 2012/055565/07 | VAT No. 4040263032

BACKGROUND INFORMATION DOCUMENT

GPS COORDINATES OF MINING PERMIT AREA	
DEGREES MINUTES SECONDS	DECIMAL DEGREES
A. 29°31'32.61"S; 30°26'02.08"E	A. -29.525724°S; 30.433911°E
B. 29°31'33.59"S; 30°26'09.55"E	B. -29.525996°S; 30.435987°E
C. 29°31'41.64"S; 30°26'06.77"E	C. -29.528233°S; 30.435214°E
D. 29°31'40.36"S; 30°25'59.80"E	D. -29.527877°S; 30.433278°E



Figure 1: Satellite view of the proposed mining permit area of Inzalo Crushing and Aggregates (Pty) Ltd (white polygon) in relation to the receiving environment (image obtained from Google Earth).

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LEGAL COMPLIANCE

The proposed project could trigger the following listed activities (to be confirmed during the EIA process) in terms of the National Environmental Management Act, 1998 (Act 107 of 1998) and the Environmental Impact Assessment Regulations 2014 (as amended 2017) and will therefore require an environmental impact assessment (EIA) (basic assessment process) that assess project specific environmental impacts and alternatives, consider public input, and propose mitigation measures, to ultimately culminate in an environmental management programme that informs the competent authority (Department of Mineral Resources and Energy) when considering the environmental authorisation:

■ GNR 327 Listing Notice 1 of 2017 Activity 12:

The development of—

(i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or

(ii) infrastructure or structures with a physical footprint of 100 square metres or more;

where such development occurs—

a) within a watercourse;

(b) in front of a development setback; or

(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; —

excluding—

(aa) the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;

(bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;

(cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;

(dd) where such development occurs within an urban area;

(ee) where such development occurs within existing roads, road reserves or railway line reserves; or

(ff) the development of temporary infrastructure or structures where such infrastructure or structures will be removed within 6 weeks of the commencement of development and where indigenous vegetation will not be cleared.

■ GNR 327 Listing Notice 1 of 2017 Activity 21:

Any activity including the operation of that activity which requires a mining permit in terms of section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002), including –

BACKGROUND INFORMATION DOCUMENT

- a) *associated infrastructure, structures and earthworks, directly related to the extraction of a mineral resource;*
or
- b) *the primary processing of a mineral resource including winning, extraction, classifying, concentrating, crushing, screening or washing.*

but excluding the secondary processing of a mineral resource, including the smelting, beneficiation, reduction, refining, calcining or gasification of the mineral resource in which case activity 6 in Listing Notice 2 applies.

■ GNR 327 Listing Notice 1 of 2017 Activity 22:

The decommissioning of any activity requiring –

- i) *a closure certificate in terms of section 43 of the Mineral and Petroleum Resources Development Act, 2002 (act No. 28 of 2002); or*
- ii) *a prospecting right, mining right, mining permit, production right or exploration right, where the throughput of the activity has reduced by 90% or more over a period of 5 years excluding where the competent authority has in writing agreed that such reduction in throughput does not constitute closure;*

but excluding the decommissioning of an activity relating to the secondary processing of a –

- (a) *mineral resource, including the smelting, beneficiation, reduction, refining, calcining or gasification of the mineral resource; or*
- (b) *petroleum resource, including the refining of gas, beneficiation, oil or petroleum products; –*
in which case activity 31 in this Notice applies.

■ GNR 327 Listing Notice 1 of 2017 Activity 27:

The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for—

- (i) *the undertaking of a linear activity; or*
- (ii) *maintenance purposes undertaken in accordance with a maintenance management plan.*

■ GNR 327 Listing Notice 1 of 2017 Activity 28:

Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development:

- (i) *will occur inside an urban area, where the total land to be developed is bigger than 5 hectares; or*
- (ii) ***will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;***
excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes.

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■ GNR 324 Listing Notice 3 of 2017 Activity 12:

The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.

d. KwaZulu-Natal

- i. Trans-frontier protected areas managed under international conventions;*
- ii. Community Conservation Areas;*
- iii. Biodiversity Stewardship Programme Biodiversity Agreement areas;*
- iv. Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004;*
- v. Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;***
- vi. Within the littoral active zone or 100 metres inland from high water mark of the sea or an estuarine functional zone, whichever distance is the greater, excluding where such removal will occur behind the development setback line or even in urban areas;*
- vii. On land, where, at the time of the coming into effect of this Notice or thereafter such land was zoned open space, conservation or had an equivalent zoning;*
- viii. A protected area identified in terms of NEMPAA, excluding conservancies;*
- ix. World Heritage Sites;*
- x. Sites or areas identified in terms of an international convention;*
- xi. Areas designated for conservation use in Spatial Development Frameworks adopted by the competent authority or zoned for a conservation purpose;*
- xii. Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority; or*
- xiii. In an estuarine functional zone.*

■ GNR 324 Listing Notice 3 of 2017 Activity 14:

The development of—

(i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 10 square metres; or

(ii) infrastructure or structures with a physical footprint of 10 square metres or more;

where such development occurs—

a) within a watercourse;

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(b) in front of a development setback; or

(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; —

excluding the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;

d. KwaZulu-Natal

i. In an estuarine functional zone;

ii. Community Conservation Areas;

iii. Biodiversity Stewardship Programme Biodiversity Agreement areas;

iv. A protected area identified in terms of NEMPAA, excluding conservancies;

v. World Heritage Sites;

vi. Sites or areas identified in terms of an international convention;

vii. Critical biodiversity areas or ecological support areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;

viii. Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;

ix. Core areas in biosphere reserves;

x. Outside urban areas:

(aa) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any terrestrial protected area identified in terms of NEMPAA or from the core area of a biosphere reserve; or

(bb) Areas seawards of the development setback line or within 1 kilometre from the high-water mark of the sea if no such development setback line is determined; or


xi. Inside urban areas:

(aa) Areas zoned for use as public open space;

(bb) Areas designated for conservation use in Spatial Development Frameworks adopted by the competent authority, zoned for a conservation purpose; or

(cc) Areas seawards of the development setback line or within 100 metres from the high-water mark of the sea if no such development setback line is determined.

OTHER LEGISLATION TRIGGERED BY THE PROPOSED PROJECT:

-  An application for a Mining Permit in terms of Section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002) will be submitted to the Department of Mineral Resources and Energy – KwaZulu-Natal Province.



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- General Authorisation in terms of Section 39 of the National Water Act, 1998 (Act No. 36 of 1998) (NWA), or a water use authorisation in terms of the NWA, 1998 (whichever is required by DWS).

PROJECT DESCRIPTION

Inzalo Crushing and Aggregates (Pty) Ltd intends applying for a permit to mine dolerite from a portion of Portion 0 (Remaining Extent) of the farm Thandisizwe No 16691 in the uMgungundlovu Magisterial District of KwaZulu-Natal Province. The proposed mining footprint will be 4.9 ha and will be developed over an undisturbed portion of the farm occasionally used for grazing.

The mining method will make use of blasting in order to loosen the hard rock; the material will then be loaded and hauled to the crushing plant where it will be screened to various sized stockpiles. The aggregate will be stockpiled until it is transported from site using tipper trucks. All mining related activities will be contained within the approved mining permit boundaries.

The proposed quarry will appoint ± 11 employees (including management), and due to the small scale of the operation no permanent infrastructure will be built at the mining area. The Applicant plans to establish the following mobile/temporary infrastructure within the mining footprint:

- Chemical ablation facilities to be serviced by a registered contractor;
- Crushing and screening plant;
- Containers that will be used as site offices, workshops and storage rooms; and
- Temporary wash bay.

ACCESS ROUTE:

- The proposed mining area will be reached via an existing farm road that will be upgraded to allow comfortable movement of mining related equipment and vehicles.

WATER USE:

- Water requirements will mainly be for dust suppression on the crusher plant and access road.
- At this stage it is proposed that the water required for the implementation of the project will be bought and transported to site.

ELECTRICITY USE:

- The proposed project will make use of generators to power the mining infrastructure until a connection to the Eskom grid can be secured.

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BRIEF SITE DESCRIPTION

GEOLOGY:

The geology of the larger study area is characterised by acid, leached heavy soils derived from the Karoo Supergroup sediments and intrusive Karoo dolerites. In some areas shallow sandy soils are derived from Natal Group Sandstone. The footprint of the earmarked area has a strong dolerite intrusion that the Applicant intends to exploit through open cast mining methods.

HYDROLOGY:

The proposed mining area is located within the Mgeni Sub-Water Management Area which is managed as part of the Mvoti to Umzimkulu Water Management Area by the Department of Water and Sanitation (DWS). The earmarked area was chosen against the eastern rise of a hill. Following the downward slope of the hill a drainage line was identified that crosses through/near to the proposed mining area. In light of this, a freshwater specialist will be appointed to determine the importance of the drainage line and the conservation status of the area.

FAUNA AND FLORA:

According to Mucina and Rutherford (2006) the vegetation type of the study area is known as the Moist Coast Hinterland Grassland (Gs20) that is characterized as a dense tall sour grassland dominated by unpalatable Ngonigoni grass (*Aristida junciformis*). According to the 2014 KZN Biodiversity Sector Plan (as shown in Figure 2), the proposed mining area falls within a Critical Biodiversity Area. An ecologist will be appointed to conduct a Terrestrial Biodiversity Impact Assessment of the proposed footprint area. The findings of the assessment will be available as part of the EIA documentation.



Figure 2: Proposed mining area (crossed polygon) in relation to the CBA area (blue shaded area).



BACKGROUND INFORMATION DOCUMENT

Fauna present within the boundaries of the property comprise of a few cattle as well as natural occurring small rodents, reptiles and various bird species. No protected or red data faunal species were identified within the earmarked footprint, and the project is expected to have a negligible impact in this regard.

LAND USE:

The project area is located in the uMshwathi municipal area, with Copesville being the nearest urban area. As mentioned earlier the landowner established a shale quarry with associated clay brick factory on the property and the surrounding land is occasionally used for grazing. The surrounding properties are mainly used for agricultural purposes such as the planting of sugar cane, with some of the landowners expanding the land use of their properties to include mining.

AIR AND NOISE QUALITY:

Pietermaritzburg and surroundings are known for the east to east-south-eastern wind that prevails throughout the year. The air quality of the study area is representative of a rural area impacted on by the surrounding land uses such as the traffic along the R33 provincial road, the various mining areas, and the nearby Copesville. The ambient noise levels of the greater surrounding area are relatively low representing that of a rural area, with the noise levels of the study area (immediate surroundings) impacted on by the shale mining operations and clay brick factory.

HERITAGE:

As mentioned earlier, the proposed mining footprint will be in close proximity (± 240 m) to an existing shale quarry. Prior to the development of the shale quarry, Mr Gavin Anderson undertook a Heritage Impact Assessment of the area (2018). Although Mr Anderson's study mainly focussed on the footprint of the proposed shale quarry, the report did not indicate any areas of concern within the immediate surroundings of the proposed mining area. Likewise, no national monuments, battlefields or cemeteries were identified in the proposed dolerite quarry footprint. The Palaeontological Sensitivity Map (of SAHRA) identifies the study area as being of insignificant concern regarding the presence of fossils and does not require palaeontological studies.

FINAL REHABILITATION

Upon closure of the mining operation, the quarry pit will be rendered safe and remain as a landscape feature with the rest of the footprint rehabilitated to the satisfaction of the DMRE and the landowner. At this stage the following baseline rehabilitation actions are proposed from which a detailed closure plan will be developed:

- Rehabilitation of all the disturbed surface areas shall entail landscaping, levelling, sloping, top dressing, land preparation, seeding (if required), and/or weed / alien clearing.



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- All infrastructures, equipment, and other items used during the mining period will be removed from the site in accordance with section 44 of the MPRDA, 2002.
- Waste material of any description, including receptacles, scrap, rubble and tyres, will be removed entirely from the mining area and disposed of at a recognized landfill facility. It will not be permitted to be buried or burned on the site.
- The rehabilitation area will be cleared of weeds and invader plant species. Priority will be given to species regarded as Category 1a and 1b invasive species in terms of NEM:BA (National Environmental Management: Biodiversity Act 10 of 2004 and regulations applicable thereto).
- Final rehabilitation shall be completed within a period specified by the Regional Manager.

APPLICATION FOR CLOSURE

Once the full mining area was rehabilitated the mining permit holder will submit a closure application to the Department of Mineral Resources and Energy in accordance with section 43(4) of the MPRDA, 2002 that states: *“An application for a closure certificate must be made to the Regional Manager in whose region the land in question is situated within 180 days of the occurrence of the lapsing, abandonment, cancellation, cessation, relinquishment or completion contemplated in subsection (3) and must be accompanied by the prescribed environmental risk report”*. The Closure Application will be submitted in terms of Regulation 62 of the MPRDA, 2002; Section 24R of NEMA, 1998 (as amended) and Government Notice 940 of 2014.

PUBLIC INVOLVEMENT

This document is to inform you about the proposed activity and to determine whether there are any concerns or objections from interested and affected parties (I&AP's) that need to be considered.

As interested and affected party you are kindly requested to complete the comments form and give any comment/concern or input with regard to the current land use of the area, the environment as well as socio-economic conditions that you feel might be affected by the proposed activity. When submitting response please provide suggestions to mitigate the anticipated impact of each identified activity.

Please contact Christine Fouche at the contact details as presented in the letterhead or at christine.f@greenmined.co.za through any means should you need more information, have additional language requirements, have concerns or comments that need to be considered or if you want to be registered as an interested and/or affected party and would like to receive a copy of the Draft Basic Assessment (DBAR) on or before 13 November 2020. If we do not receive any comments from you on or before 13 November 2020, it will be accepted that you do not have any objections/comments with regard to the project and do not require any further documentation.



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A register of interested and affected parties (I&AP's) will be opened and maintained containing the names, contact details and address of all persons who have submitted written comments, attended meetings or have in writing requested to be registered and all organs of state which have jurisdiction in respect of the activity. Please note that only registered I&AP's and stakeholders will be entitled to comment on reports and plans to be submitted to the Department provided that the party provide its name, contact details and address and discloses any direct business, financial, personal or other interest which he/she may have in the approval or refusal of the applications.

The Draft Basic Assessment Report (DBAR) will be submitted to the Department of Mineral Resources and Energy – KwaZulu-Natal (DMRE) for review purposes. This report will also be made available to the public for a 30 days review period. An electronic copy of the report will be published on the Greenmined Environmental website (www.greenmined.com). All registered I&AP's and stakeholders will be notified of the commenting period in advance as above.

The DBAR will then be updated to reflect the comments received during the public commenting period. Thereafter, the Final Basic Assessment Report (FBAR) will be submitted to DMRE for its consideration as part of the authorization process in terms of the NEMA, 2014 regulations (as amended 2017). A copy of the final report will be made available on the Greenmined Environmental website. All registered I&AP's and stakeholders will be notified in writing within 14 days of the date of the decision of the outcome of the application, including the reasons for the decision and the right of appeal.

CONTACT DETAILS

Name/Name	
Organisation/Instansie	
Interest/Belange	
Postal Address/Pos Adres	
Tel	
Fax/Faks	
E-mail/E-pos	



DMRE Reference Number: To be confirmed



BACKGROUND INFORMATION DOCUMENT

COMMENTS/ OPMERKINGS

Object / No Objection:	
Request additional information:	
Concerns:	

Signature: _____



DMRE Reference Number: To be confirmed



BACKGROUND INFORMATION DOCUMENT

Are there any other organisations or individuals that you feel should be invited to comment? If so, please provide their contact details:

Contact name:
Organisation (if applicable):
Address:
Tel:
Fax
E-mail

Your feedback is valued and will be addressed appropriately.

Kind Regards

.....
Christine Fouche

Greenmined Environmental (Pty) Ltd

REGULATION 2.2 MAP

The figure lettered A,B,C,D,A represents a mining permit area in extent approximately 4.9 hectare comprising of a portion of Portion 0 (Remaining Extent) of the farm Thandisizwe No 16691 registration division FT uMshwathi Local Municipality, Kwazulu Natal Province (Reference: KZN30/5/13/2/10 MP), but subject to Regulation 17 of the mine Health and Safety Act. Excluding any area within 100 metres of any railway, cemetery, residential area, public area or within 100m of a public road), situated in the uMshwathi Local Municipality, Kwazulu Natal Province for which Inzalo Crusting and Aggregates Pty Ltd with Registration no 2008/008952/07 has applied for a Mining Permit in terms of section 27 of the mineral and petroleum resources development act,2002 (act 28 of 2002),

Applicant	GIS/Technition	Regional Manager
Date:	Greenmined	Kwazulu Natal Region
	Date:	Date:

- Legend
- Administrative regions
 - Farm portions
 - Magisterial districts
 - Parent farms
 - Provinces
 - uMgungundlovu - District Municipality
 - uMshwathi - Local Municipality
 - Wards no - 10
 - Proposed Quarry area

Proposed mining area coordinates:

A-29.525724°S; 30.433911°E
B-29.525996°S; 30.435987°E
C-29.528233°S; 30.435214°E
D-29.527877°S; 30.433278°E
A-29.525724°S; 30.433911°E

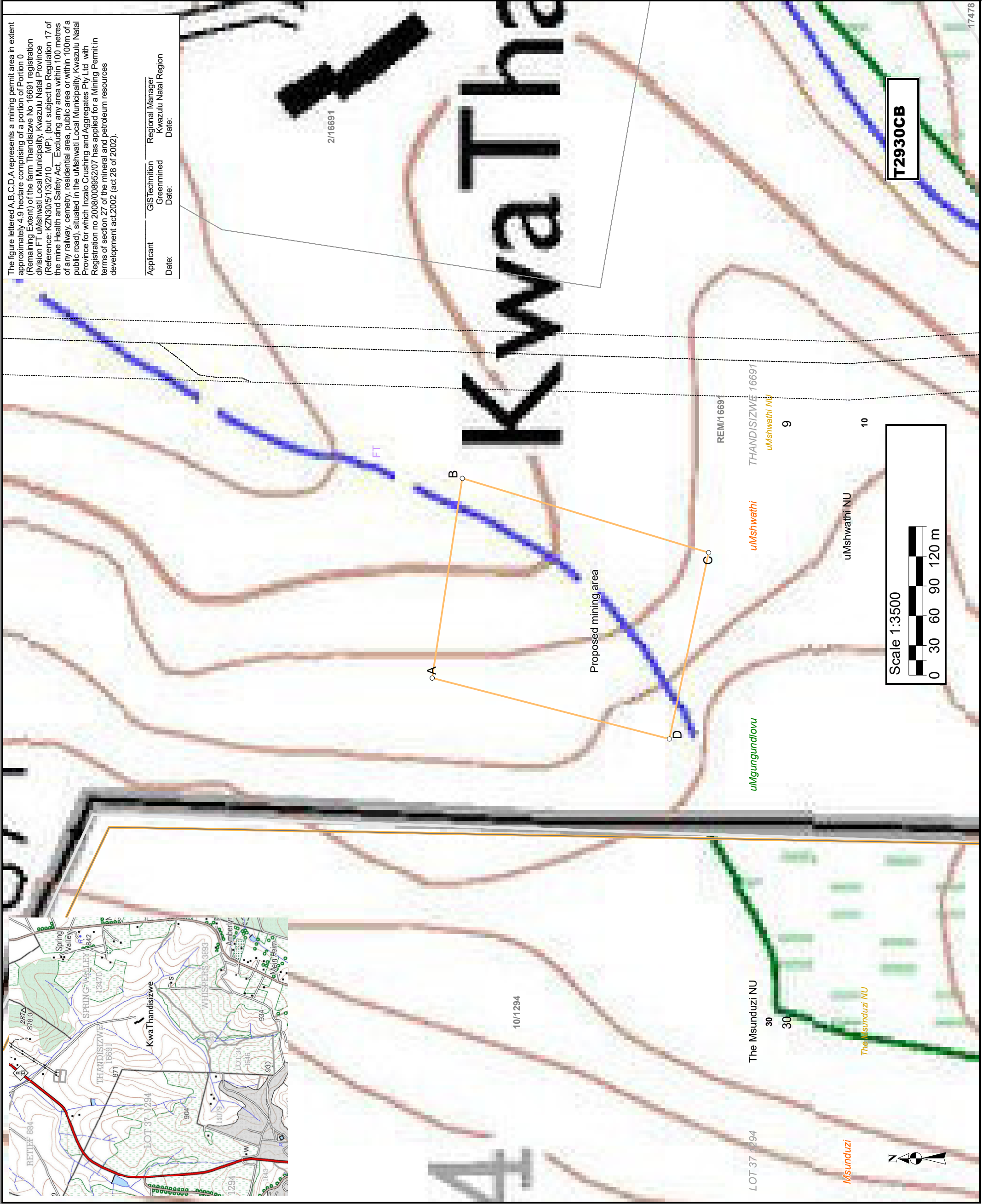
A29°31'32.606"S; 30°26'2.08"E
B29°31'33.586"S; 30°26'9.553"E
C29°31'41.639"S; 30°26'6.77"E
D29°31'40.357"S; 30°25'59.801"E
A29°31'32.606"S; 30°26'2.08"E

Mining permit application area: 4.9 ha

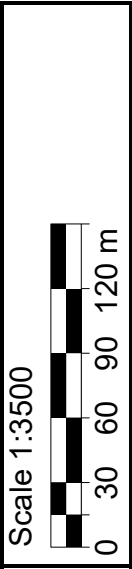
Client:



Consultant:



T2930CB



NOTIFICATION OF STAKEHOLDERS

Number	Organisation	Contact Person
1.	uMgungundlovu District Municipality	Dr R Ngcobo
2.	uMshwati Local Municipality	Mr M Mabaso
3.	uMshwati Local Municipality: Ward 10	Cllr CS Zuma-Dube
4.	Amafa	Me Bernadet Pawandiwa
5.	Ezemvelo	Mr Dominic Wieners
6.	Department of Agriculture and Rural Development	Mr Siza Sibande
7.	Department of Economic Development, Environmental Affairs and Tourism	Mr Shawn Janneker
8.	Department of Human Settlements Water and Sanitation	Mr Ashley Starkey
9.	Department of Transport	Miss Simango Ngubo
10.	Department of Labour	Me T Kunene
11.	Eskom	Mr Troy Govendor

Number	Organisation	Contact Person
12.	National Department of Agriculture Land Reform and Rural Development	Director General
13.	South African Heritage Resource Agency	Heritage Officer

1.

**PROOF OF CORRESPONDENCE WITH DR R
NGCOBO FROM UMGUNGUNDLOVU
DISTRICT MUNICIPALITY ON 13 OCTOBER
2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:15 AM
To: 'mm@umdm.gov.za'
Subject: Naaz Quarry BID - uMgungundlovu DM
Attachments: BID - Naaz Quarry.pdf; Regulation 2(2) Mine Plan.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECl site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

"the goal isn't to live forever, it is to protect a planet that will"



Please consider the environment before printing this e-mail



Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: mm@umdm.gov.za
Sent: 13 October 2020 01:14 PM
Subject: Delivered: Naaz Quarry BID - uMgungundlovu DM

Your message has been delivered to the following recipients:

mm@umdm.gov.za

Subject: Naaz Quarry BID - uMgungundlovu DM



Naaz Quarry BID -
uMgungundlovu DM

Marlene Lingenfelder

From: Raymond M. Ngcobo <Ray.Ngcobo@umdm.gov.za>
Sent: 14 October 2020 03:35 PM
To: Marlene Lingenfelder
Subject: Read: Naaz Quarry BID - uMgungundlovu DM
Attachments: Read: Naaz Quarry BID - uMgungundlovu DM

[http://www.umdm.gov.za/Official_Site/images/banners/FrontPage/CoronavirusEmailbanner.jpg]

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Marlene Lingenfelder

From: Raymond M. Ngcobo <Ray.Ngcobo@umdm.gov.za>
Sent: 14 October 2020 03:35 PM
To: Marlene Lingenfelder
Subject: Read: Naaz Quarry BID - uMgungundlovu DM
Attachments: Read: Naaz Quarry BID - uMgungundlovu DM

[http://www.umdm.gov.za/Official_Site/images/banners/FrontPage/CoronavirusEmailbanner.jpg]

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2.

**PROOF OF CORRESPONDENCE WITH MR M
MABASO FROM UMSHWATI LOCAL MUNICIPALITY
ON 13 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:19 AM
To: 'mabason@umshwathi.gov.za'
Subject: Naaz Quarry BID - uMshwati LM
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECI site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

"the goal isn't to live forever, it is to protect a planet that will"



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Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: mabason@umshwathi.gov.za
Sent: 13 October 2020 01:18 PM
Subject: Delivered: Naaz Quarry BID - uMshwati LM

Your message has been delivered to the following recipients:

mabason@umshwathi.gov.za

Subject: Naaz Quarry BID - uMshwati LM



Naaz Quarry BID -
uMshwati LM

Marlene Lingenfelder

From: Mabaso N <mabason@umshwathi.gov.za>
To: Marlene Lingenfelder
Sent: 19 October 2020 10:06 AM
Subject: Read: Naaz Quarry BID - uMshwati LM

Your message

To:
Subject: Naaz Quarry BID - uMshwati LM
Sent: Monday, October 19, 2020 10:06:31 AM (UTC+02:00) Harare, Pretoria

was read on Monday, October 19, 2020 10:06:09 AM (UTC+02:00) Harare, Pretoria.

3.

**PROOF OF CORRESPONDENCE WITH CLLR CS
ZUMA-DUBE FROM UMSHWATI LOCAL
MUNICIPALITY WARD 10 ON 13 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:18 AM
To: 'cebsa@webmail.co.za'
Subject: Naaz Quarry BID - uMshwati LM Ward 10
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECl site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

"the goal isn't to live forever, it is to protect a planet that will"



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Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: cebsa@webmail.co.za
Sent: 13 October 2020 01:16 PM
Subject: Delivered: Naaz Quarry BID - uMshwati LM Ward 10

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cebsa@webmail.co.za

Subject: Naaz Quarry BID - uMshwati LM Ward 10



Naaz Quarry BID -
uMshwati LM Ward 10

4.

**PROOF OF UPLOAD ONTO SAHRIS ON 30
SEPTEMBER 2020**

New TabMyDashboard | SAHRAxNaaz Quarry | SAHRAx

sahris.sahra.org.za/cases/naaz-quarry

AppsColliveryNew TabRSG Listen Live | RSG

Add new commentSubscribe to: This post

CaseHeaderLocationInfoAdmin

Status: SUBMITTED

HeritageAuthority(s): Amafa

Case Type: Section 38 (8) - Statutory Comment Required

Development Type: Mining

ProposalDescription:

Portion 0 (Remaining Extent) of the farm Thandisizwe No 16691 FT in the uMgungundlovu Magisterial District is located ±6 km North-East of Copesville. The low agricultural potential of the property called for the extension of the land use to include shale mining and the associated operation of a clay brick factory by the landowner some years ago. The development of a filling station is also proposed in the northern corner of the property (bordering the R33 provincial road). Further to this, Inzalo Crushing and Aggregates (Pty) Ltd (hereafter referred to as the "Applicant") identified the need to mine the dolerite intrusion along the western boundary of the property, and will therefore apply for a mining permit over a 4.9 ha area (see Figure 1). The proposed mining footprint extends over an undisturbed section of the property that is occasionally used for grazing.

ApplicationDate: Wednesday, September 30, 2020 - 15:23

CaseID: 15571

Applicants: Inzalo Crushing and Aggregates (Pty) Ltd

Consultants/Experts: Christine Fouche

OtherReferences:

ReferenceList:

AdditionalDocuments

1. N&D Application Form - Inzalo Crushing and Aggregates Mining Permit Application.pdf

2. N&D Appendix 2 - Mine Plan.pdf

3. N&D Appendix 3 - Proof of Payment.pdf

4. N&D Appendix 4 - Copy of the Anderson HIA.pdf

5. BID - Naaz Quarry.pdf

6. Naaz Reg 2.2 new.pdf

Chat (11)

4.

**PROOF OF HARD COPY SEND TO AMAFA ON 30
SEPTEMBER 2020**



WAYBILL



Delivery on behalf of : **Greenmined Environmental**

Waybill No. 4762917

Customer ref

NID Naaz Quarry

Collect From

Greenmined Environmental (Pty) Ltd
36 Bakers Square Block One
De Beers Avenue, Paardevlei
Somerset West
Somerset West

Deliver To

AMAFA
195 Langalibalele
Pietermaritzburg

Contact Person

Marlene Lingenfelder

Telephone No.

0218512673

Collect After

Time 14:00 Date 30 Sep 2020

Contact Person

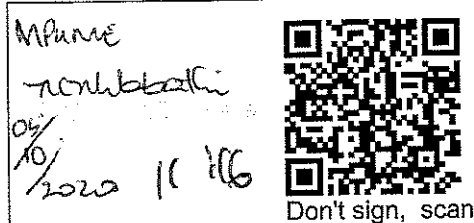
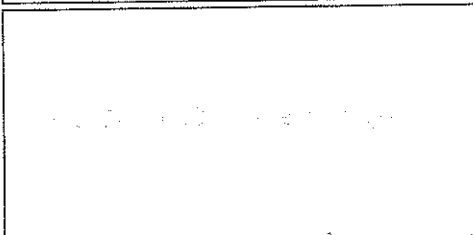
Bernadet Pawandiwa

Telephone No.

033 3946543

Deliver Before

Time 16:00 Date 02 Oct 2020



No. items sent

1

No. items received

1

Please record any discrepancy
in space below

Collecting Driver's Signature

Delivery Drivers's Signature

Fold Here

Special Instructions

NO CONTACT, Take photograph.

Customer ref

NID Naaz Quarry

Deliver before

Time 16:00 Date 02 Oct 2020

Deliver to

Bernadet Pawandiwa, AMAFA, 195 Langalibalele, Pietermaritzburg



4762917

4.

**PROOF OF CORRESPONDENCE WITH ME
BERNADET PAWANDIWA FROM AMAFA ON 13
OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:20 AM
To: 'bernadetp@amafapmb.co.za'
Subject: Naaz Quarry BID - Amafa
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECl site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

"the goal isn't to live forever, it is to protect a planet that will"



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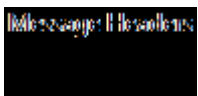
Marlene Lingenfelder

From: Mail Delivery System <MAILER-DAEMON@hostserv.co.za>
To: bernadetp@amafapmb.co.za
Sent: 13 October 2020 01:19 PM
Subject: Relayed: Naaz Quarry BID - Amafa

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

bernadetp@amafapmb.co.za

Subject: Naaz Quarry BID - Amafa



4.

**RESPONSE RECEIVED FROM ME BERNADET
PAWANDIWA FROM AMAFA ON 13 OCTOBER 2020**

Marlene Lingenfelder

From: Bernadet <bernadetp@amafapmb.co.za>
Sent: 13 October 2020 10:54 PM
To: Marlene Lingenfelder
Subject: RE: Naaz Quarry BID - Amafa
Attachments: Application-form-J-Developments.pdf

Good day

Thank you for notifying us about this development. You are required to submit a completed Form J as per guidelines on the attached Form.

Kind regards

Bernadet Pawandiwa
Senior Heritage Officer
Archaeology Research and Compliance/Permits
KwaZulu –Natal Amafa and Research Institute

Like many things in life, your compassion is a skill that can be exercised. Simeon Lindstrom



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From: Marlene Lingenfelder [mailto:admin@greenmined.co.za]
Sent: Tuesday, 13 October 2020 13:19
To: bernadetp@amafapmb.co.za
Subject: Naaz Quarry BID - Amafa

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator

4.

**RESPONSE SEND TO ME BERNADET PAWANDIWA
FROM AMAFA ON 15 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 15 October 2020 09:42 PM
To: 'Bernadet'; 'phoarchaeology@amafapmb.co.za'
Subject: RE: Naaz Quarry BID - Amafa
Attachments: Appendix 7 - Proof of Payment.pdf

Dear Bernadette,

Hope this email finds you well. I have uploaded the new NID onto Sahris. Please find attached the application form as requested. Let me know if you need us to send another hard copy or if I can email the NID to you.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579
www.greenmined.com

Unit MO1, No 36 AECL site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

"the goal isn't to live forever, it is to protect a planet that will"



Please consider the environment before printing this e-mail



Less ocean trash Help us save ocean life! More marine life

From: Bernadet [mailto:bernadetp@amafapmb.co.za]
Sent: 15 October 2020 09:34 AM
To: Marlene Lingenfelder <admin@greenmined.co.za>
Subject: RE: Naaz Quarry BID - Amafa

Good day

I only have the PDF. You can download also download the form from www.heritagekzn.co.za

4.

**NID SEND TO ME BERNADET PAWANDIWA FROM
AMAFA ON 15 OCTOBER 2020**

Amafa AkwaZulu-Natali

Heritage KwaZulu-Natal

Erfenis KwaZulu-Natal



PO Box 2685
Pietermaritzburg 3200

Tel: 033 394 6543

Fax: 033 394 6552

Email: amafa.pmb2@mweb.co.za

Website: www.heritagekzn.co.za

NEEDS & DESIRABILITY APPLICATION FORM

In terms of the KwaZulu Natal Heritage Act No. 4 of 2008 and the National Heritage Resources Act No.25 of 1999 (Section 38 (1)), a permit is required to carry certain listed activities.

PLEASE NOTE

It is an offence in terms of section 34. of the KwaZulu Natal Heritage Act to make false statement or fail to provide required information in this application.

ALL APPLICATION FORMS AND PROOF OF PAYMENT ARE TO BE FORWARDED TO:
AMAFA KWAZULU NATAL, ARCHAEOLOGY DEPARTMENT, 195 LANGALIBALELE STREET,
PIETERMARITZBURG, 3201/ BOX 2685 PIETERMARITZBURG 3200.

Kindly note that:

1. Kindly note that with effect from 1st of April 2010 an application fee will be charged for Needs & Desirability applications and Permit applications.
2. Incomplete applications will not be processed until they are revised.
3. All information filled in on this form will become public information on receipt by this department. Any interested and affected party should be provided with information contained in this application on request, during any stage of the application process.
4. No faxed or e-mailed applications will be accepted, **only printed copies.**

SUBMISSION FEES

Regulations make provision for the agency to charge a submission fee. A administration fee of **R600.00** is payable to **Amafa aKwaZulu Natali** in postal order or bank deposit/internet banking prior to the processing of this application.

Banking Details in case of direct deposits:

ABSA BANK: Branch: ULUNDI Bank Code: 630330

Account in the name of AMAFA AKWAZULU- NATALI

Accounting No. 40-5935-6024

NB: Proof of payment to be forwarded (faxed, posted or delivered) to Amafa, to be referenced with applicants name and date

NEEDS & DESIRABILITY APPLICATION

FOR OFFICE USE ONLY

AMAFI ID _____

FILE REF _____

EIA NUMBER _____

DATE RECEIVED _____

APPLICANTS DETAILS

Applicant Name
(company/institution/individual): **Inzalo Crushing and Aggregates (Pty) Ltd**

Contact Person: **Ms C Fouché**

Telephone/Fax No: **082 811 8514 - C**
021 851 2673 – T
086 546 0579 – F

Email: Christine.f@greenmined.co.za

DEVELOPMENT DETAILS

Project Title: **Application for a mining permit over a portion of Portion 0 (Remaining Extent) of the farm Thandisizwe No 16691 in the uMgungundlovu Magisterial District of KwaZulu-Natal Province.**

Project Description:

Inzalo Crushing and Aggregates (Pty) Ltd (hereinafter referred to as “the Applicant”) intends applying for a permit to mine dolerite from a 4.9 ha area on a portion of Portion 0 (Remaining Extent) of the farm Thandisizwe No 1669, uMgungundlovu District, KwaZulu-Natal Province.

The proposed activity entails a greenfield development of an area on the farm occasionally used for grazing. The mining method will makes use of blasting in order to loosen the hard rock; the material will then be loaded and hauled to the crushing plant where it will be screened to various sized stockpiles. The aggregate will be stockpiled until it is transported from site using tipper trucks. All activities will be contained within the boundaries of the approved site.

The proposed mining area will be reached via the existing access road of the farm. Water requirements will mainly be for dust suppression on the processing plant and access road. Any water required for the implementation of the project will be bought and transported to site.

The proposed project will make use of generators until a connection to the Eskom grid can be secured. Currently it is proposed, that the Applicant will make use of temporary/mobile permanent infrastructure/equipment within the proposed 4.9 ha mining area.

The proposed mining footprint will be in close proximity (± 240 m) to an existing shale quarry. Prior to the development of the shale quarry, Mr Gavin Anderson undertook a Heritage Impact Assessment of the area (2018) (refer to Appendix 4). Although Mr Anderson’s study mainly focussed on the footprint of the proposed shale quarry, the report did not indicate any areas of concern within the immediate surroundings of the proposed mining area. Likewise, no national monuments, battlefields or cemeteries were identified in the proposed dolerite quarry footprint. The Palaeontological Sensitivity Map (of SAHRA) identifies the study area as being of insignificant concern regarding the presence of fossils and does not require palaeontological studies.

Extent of Development Footprint (in m²):

4.9 ha

TYPES OF DOCUMENT



BID



d/SCOPING REPORT



f/SCOPING REPORT



BAR



EMP



ROD

Nature of Development : (please tick the appropriate box)

1	construction of a road exceeding 300 m in length	
2	wall exceeding 300 m in length	
3	power line exceeding 300 m in length	
4	pipeline exceeding 300 m in length	
5	canal exceeding 300 m in length	
6	other similar form of linear development	
7	barrier exceeding 300 m in length	
8	construction of a bridge exceeding 50 m in length	
9	similar structure exceeding 50 m in length	

10	any development exceeding 5 000 m ² in extent/ any other category of development provided for in Amafa regulations	
11	other activity which will change the character of an area of land, or water exceeding 10 000 m ² in extent	X
12	involving three or more existing erven or subdivisions thereof	
13	any development, or other activity involving three or more existing erven or subdivisions	
14	any development, or other activity involving three or more existing erven or subdivisions which have been consolidated within the past five years	
15	any development, or other activity the costs of which will exceed a sum set in terms of regulations	
16	Rezoning of a site exceeding 10 000 m ²	

District Municipality:

uMgungundlovu District Municipality

Local Municipality:

uMshwathi Local Municipality

Traditional Authority: **N/A. The property is owned by Mr. Naaz Moosa**

Area/Town:

Pietermaritzburg

Property Description:

(Farm name, portion, lot, erf)

Portion 0 (Remaining Extent) of the farm Thandisizwe No 16691

Y(South) Coordinate:

Naaz Quarry:	A	29°31'32.606"
WGS 29°	B	29°31'33.586"
	C	29°31'41.639"
	D	29°31'40.357"

X(East) Coordinate:

Naaz Quarry:	A	30°26'02.080"
WGS 30°	B	30°26'09.553"
	C	30°26'06.770"
	D	30°25'59.801"

1:50000 mapsheet:

2930CB

1:10000 mapsheet:


2930CB

CHECKLIST	YES	NO
Completed & Signed Application Forms	X	
Site Photographs	X	
1:50 000 Topographical and Aerial Photo Map	X	
Payment/ Proof of Payment	X	

Nature of payment - postal order, bank deposit, internet banking: Bank deposit

Declaration

I, C Fouche undertake strictly to observe the terms, conditions, restrictions, by-laws and directions under which the Council of *Amafa aKwaZulu-Natali* may issue the permit.

Signature		Place Date	Ballto 24/09/2020
Amafa		Place Date	

NB: APPLICATIONS SUBMITTED WITH INCOMPLETE FORMS WILL NOT BE CONSIDERED

APPENDIX 1

SITE PHOTOGRAPHS

NAAZ QUARRY



VIEW OF THE PROPOSED MINING AREA. PHOTOS TAKEN FROM SOUTH-WEST TO WEST (FACING WEST).



VIEW OF THE PROPOSED MINING AREA. PHOTOS TAKEN FROM WEST TO NORTH-WEST (FACING WEST).

NAAZ QUARRY



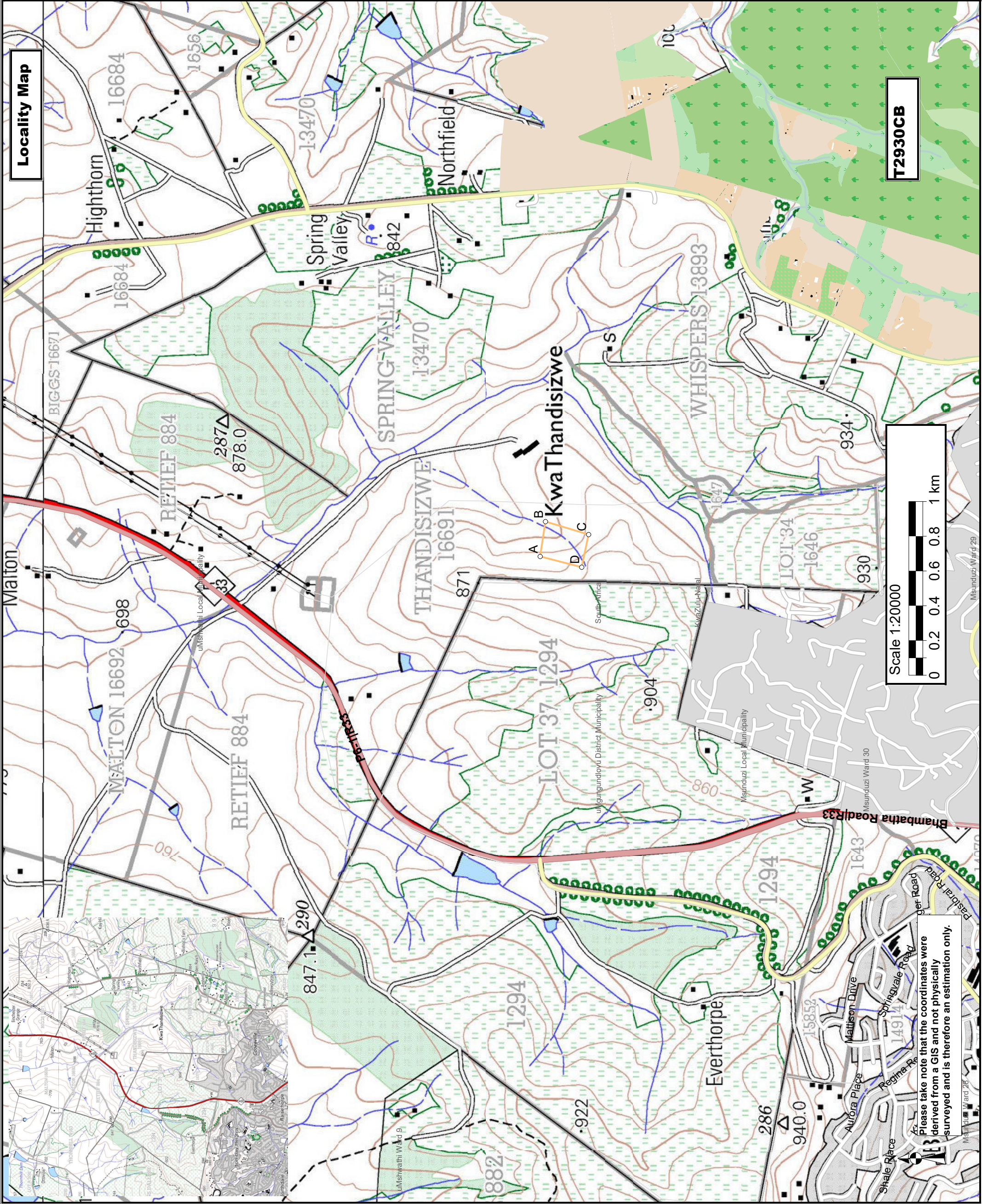
VIEW OF THE PROPOSED MINING AREA. PHOTOS TAKEN FROM NORTH TO NORTH-EAST (FACING EAST).



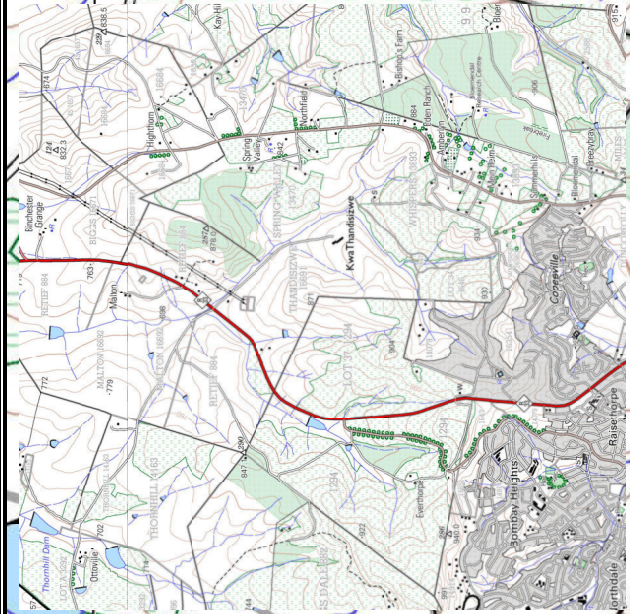
VIEW OF THE PROPOSED MINING AREA. PHOTOS TAKEN FROM EAST TO SOUTH-EAST (FACING EAST).

APPENDIX 2

LOCALITY MAP



Locality Map



- Legend**
- Highways
 - primary
 - residential
 - road
 - secondary
 - tertiary
 - Other
 - Landuse
 - A farmland
 - A residential
 - A forest
 - A farmyard
 - orchard
 - Other
 - Waterways
 - stream
 - Natural
 - wetland
 - scrub
 - grassland
 - Electricity
 - line
 - Mining Permit Area
 - A

Proposed mining area coordinates:
A-29.525724°S; 30.433911°E
B-29.525996°S; 30.435987°E
C-29.528233°S; 30.435214°E
D-29.527877°S; 30.433278°E
A-29.525724°S; 30.433911°E
A29°31'32.606"S; 30°26'2.08"E
B29°31'33.586"S; 30°26'9.553"E
C29°31'41.639"S; 30°26'6.77"E
D29°31'40.357"S; 30°25'59.801"E
A29°31'32.606"S; 30°26'2.08"E
Mining permit application area:
4.9 ha

Client:



Consultant:



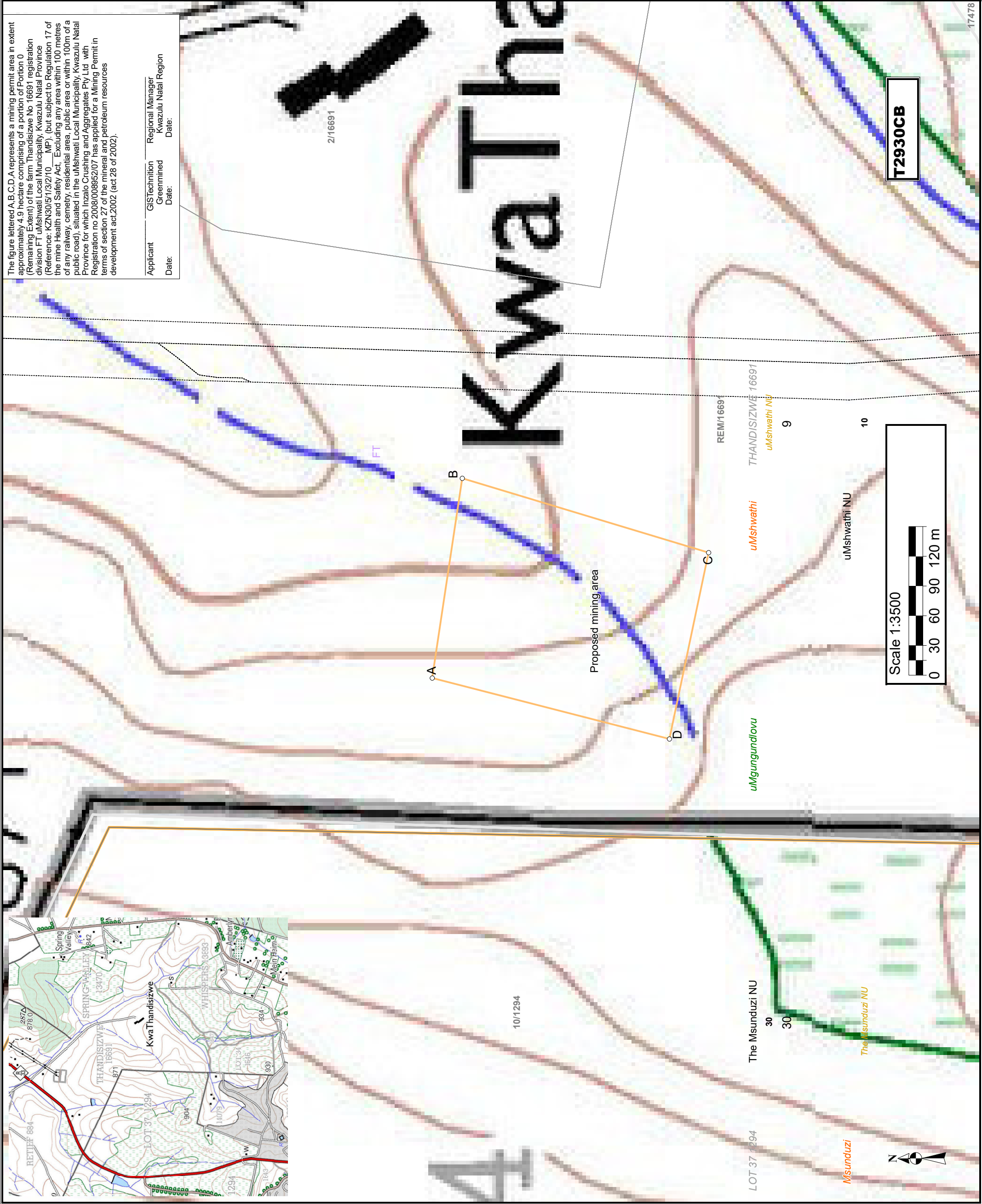
T2930CB



Please take note that the coordinates were derived from a GIS and not physically surveyed and is therefore an estimation only.

The figure lettered A,B,C,D,A represents a mining permit area in extent approximately 4.9 hectare comprising of a portion of Portion 0 (Remaining Extent) of the farm Thandisizwe No 16691 registration division FT uMshwathi Local Municipality, Kwazulu Natal Province (Reference: KZN30/5/13/2/10 MP), but subject to Regulation 17 of the mine Health and Safety Act. Excluding any area within 100 metres of any railway, cemetery, residential area, public area or within 100m of a public road), situated in the uMshwathi Local Municipality, Kwazulu Natal Province for which Inzalo Crushing and Aggregates Pty Ltd with Registration no 2008/008952/07 has applied for a Mining Permit in terms of section 27 of the mineral and petroleum resources development act,2002 (act 28 of 2002),

Applicant	GIS Technician	Regional Manager
Date:	Greenmined	Kwazulu Natal Region
	Date:	Date:



- Legend**
- Administrative regions
 - Farm portions
 - Magisterial districts
 - Parent farms
 - Provinces
 - uMgungundlovu - District Municipality
 - uMshwathi - Local Municipality
 - Wards no - 10
 - Proposed Quarry area

Proposed mining area coordinates:
A-29.525724°S; 30.433911°E
B-29.525996°S; 30.435987°E
C-29.528233°S; 30.435214°E
D-29.527877°S; 30.433278°E
A-29.525724°S; 30.433911°E
A29°31'32.606"S; 30°26'2.08"E
B29°31'33.586"S; 30°26'9.553"E
C29°31'41.639"S; 30°26'6.77"E
D29°31'40.357"S; 30°25'59.801"E
A29°31'32.606"S; 30°26'2.08"E
Mining permit application area: 4.9 ha

Client:



Consultant:



Site Activities Map



- Legend
- Administrative regions
 - Farm portions
 - Magisterial districts
 - Parent farms
 - Provinces
 - uMgungundlovu - District Municipality
 - uMshwathi - Local Municipality
 - Wards no - 10
 - Proposed Quarry area
 - Mobile Crusher plant 1
 - Mobile site office
 - quarry
 - Salvage yard
 - Site toilet
 - Vehicle service area
 - Waste Storage Area
 - Workshop Area
 - Weighbridge
 - Material Stockpiles
 - Topsoil Stockpile
 - Overburden Stockpile

Proposed mining area coordinates:
A-29.525724°S; 30.433911°E
B-29.525996°S; 30.435987°E
C-29.528233°S; 30.435214°E
D-29.527877°S; 30.433278°E
A-29.525724°S; 30.433911°E
A29°31'32.606"S; 30°26'2.08"E
B29°31'33.586"S; 30°26'9.553"E
C29°31'41.639"S; 30°26'6.77"E
D29°31'40.357"S; 30°25'59.801"E
A29°31'32.606"S; 30°26'2.08"E
Mining permit application area: 4.9 ha

Client:



Consultant:



T2930CB

**HERITAGE SURVEY OF THE THANDSIZWE QUARRY,
UMGUNGUNDLOVU DISTRICT MUNICIPALITY,
KWAZULU-NATAL**

FOR TERRATEST (PTY) LTD

DATE: 7 MARCH 2018

By Gavin Anderson

**Umlando: Archaeological Surveys and Heritage
Management**

PO Box 102532, Meerensee, 3901

Phone/fax: 035-7531785 Fax: 0865445631

Cell: 0836585362



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Abbreviations

HP	Historical Period
IIA	Indeterminate Iron Age
LIA	Late Iron Age
EIA	Early Iron Age
ISA	Indeterminate Stone Age
ESA	Early Stone Age
MSA	Middle Stone Age
LSA	Late Stone Age
HIA	Heritage Impact Assessment
PIA	Palaeontological Impact Assessment

INTRODUCTION

Terratest (Pty) Ltd has been appointed by Mr N. Moosa to undertake the environmental services required for the proposed development of a shale quarry on the Farm Thandisizwe No. 16691, Umgungundlovu District Municipality, KwaZulu-Natal.

The site has been previously quarried and as such a significant amount of disturbance is evident on site. Disturbance is identifiable via the following:

- Clearance of vegetation;
- Excavation of a perimeter trench;
- Access roads; and
- Existing quarry pit.

Of the 4.3ha area under application, approximately 2.15ha has been previously disturbed.

The site identified for a shale quarry has been previously utilised for the same purpose. In this regard, an existing pit, approximately 6 metres deep and 74m wide is located on the site. A shale deposit, is evident in the existing pit and as such, it is confirmed that there is a resource available to quarry.

The quarried shale will be utilised to manufacture clay bricks. In this regard, an existing clay brick factory is evident on the Farm Thandisizwe and all clay to be quarried from the pit will be transported there.

The existing pit is void of all vegetation and topsoil. The pit is proposed to be expanded.

Umlando was appointed by Terratest to undertake the HIA study. Fig.'s 1 – 4 show the location of the development.

VEGETATION

Mucina and Rutherford (2006) note that the site is comprised of Moist Coast Hinterland Grassland which can be found in the KwaZulu-Natal and Eastern Cape Provinces from Melmoth in the north to Libode in the south (including Eshowe, New Hanover, Thornville, Richmond, Harding, Lusikisiki), generally occurring at an altitude ranging between 450 - 900m.

Typically, Moist Coast Hinterland Grassland is comprised of dense tall sour grassland dominated by unpalatable Ngongoni grass (*Aristida junciformis*). This mono-dominance is associated with low species diversity.

As illustrated by the 2008 Ezemvelo KZN Wildlife dataset, scattered pockets of transformed areas surround the site. This may largely be attributed to anthropogenic influences evident in these areas. The site is, however, considered to be considerably disturbed and thus transformed given the presence of the existing, historical shale quarry on site. The northern portion of the site is considered to be less disturbed given the fact that quarrying activities have not occurred in this area, however, access roads and the perimeter trench do transverse this portion of the site as well. The vegetation composition in this area is largely comprised of a mix of Paperbark Thorn (*Acacia Sieberiana ver woodii*) and Black Wattle (*Acacia mearnsii*) and holds limited conservation value in terms of the South African National Biodiversity Institute (SANBI).

FIG. 1 GENERAL LOCATION OF THE STUDY AREA

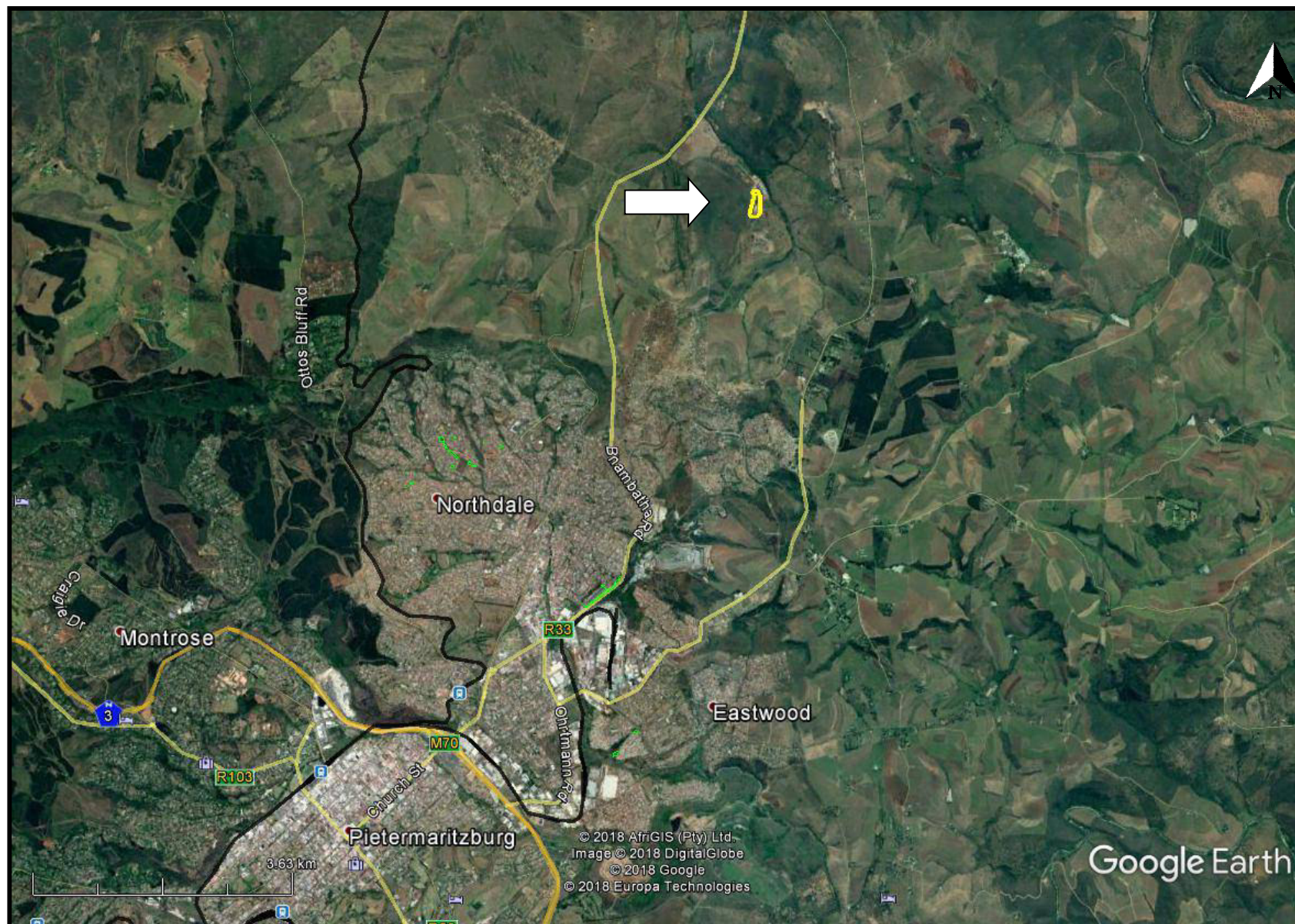


FIG. 2: AERIAL OVERVIEW OF THE STUDY AREA



FIG. 3: TOPOGRAPHICAL OVERVIEW OF THE STUDY AREA

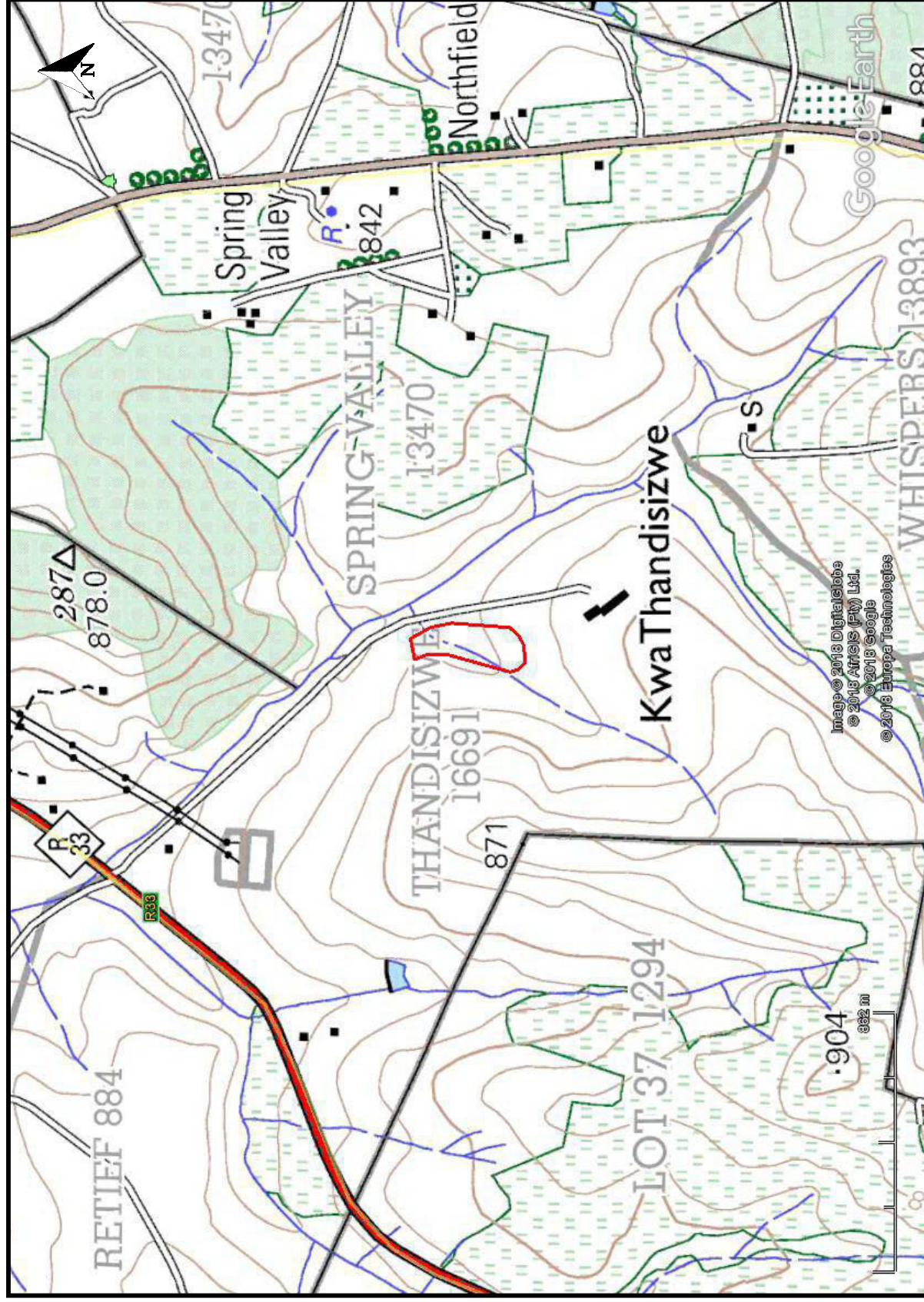


FIG. 4: SCENIC VIEWS OF THE PIPELINE ROUTE



KWAZULU-NATAL HERITAGE ACT NO. 4 OF 2008

“General protection: Structures.—

- No structure which is, or which may reasonably be expected to be older than 60 years, may be demolished, altered or added to without the prior written approval of the Council having been obtained on written application to the Council.
- Where the Council does not grant approval, the Council must consider special protection in terms of sections 38, 39, 40, 41 and 43 of Chapter 9.
- The Council may, by notice in the *Gazette*, exempt—
- A defined geographical area; or
- defined categories of sites within a defined geographical area, from the provisions of subsection where the Council is satisfied that heritage resources falling in the defined geographical area or category have been identified and are adequately protected in terms of sections 38, 39, 40, 41 and 43 of Chapter 9.
- A notice referred to in subsection (2) may, by notice in the *Gazette*, be amended or withdrawn by the Council.

General protection: Graves of victims of conflict.—No person may damage, alter, exhume, or remove from its original position—

- the grave of a victim of conflict;
- a cemetery made up of such graves; or
- any part of a cemetery containing such graves, without the prior written approval of the Council having been obtained on written application to the Council.
- General protection: Traditional burial places.—
- No grave—
- not otherwise protected by this Act; and
- not located in a formal cemetery managed or administered by a local authority, may be damaged, altered, exhumed, removed from its original position, or otherwise disturbed without the prior written approval of the Council having been obtained on written application to the Council.

The Council may only issue written approval once the Council is satisfied that—

- the applicant has made a concerted effort to consult with communities and individuals who by tradition may have an interest in the grave; and
- the applicant and the relevant communities or individuals have reached agreement regarding the grave.

General protection: Battlefield sites, archaeological sites, rock art sites, palaeontological sites, historic fortifications, meteorite or meteorite impact sites.—

- No person may destroy, damage, excavate, alter, write or draw upon, or otherwise disturb any battlefield site, archaeological site, rock art site, palaeontological site, historic fortification, meteorite or meteorite impact site without the prior written approval of the Council having been obtained on written application to the Council.
- Upon discovery of archaeological or palaeontological material or a meteorite by any person, all activity or operations in the general vicinity of such material or meteorite must cease forthwith and a person who made the discovery must submit a written report to the Council without delay.
- The Council may, after consultation with an owner or controlling authority, by way of written notice served on the owner or controlling authority, prohibit any activity considered by the Council to be inappropriate within 50 metres of a rock art site.
- No person may exhume, remove from its original position or otherwise disturb, damage, destroy, own or collect any object or material associated with any battlefield site, archaeological site, rock art site, palaeontological site, historic fortification, meteorite or meteorite impact site without the prior written approval of the Council having been obtained on written application to the Council.
- No person may bring any equipment which assists in the detection of metals and archaeological and palaeontological objects and material, or excavation equipment onto any battlefield site, archaeological site, rock art site, palaeontological site, historic fortification, or meteorite impact site, or

- use similar detection or excavation equipment for the recovery of meteorites, without the prior written approval of the Council having been obtained on written application to the Council.
- The ownership of any object or material associated with any battlefield site, archaeological site, rock art site, palaeontological site, historic fortification, meteorite or meteorite impact site, on discovery, vest in the Provincial Government and the Council is regarded as the custodian on behalf of the Provincial Government.” (KZN Heritage Act of 2008)

METHOD

The method for Heritage assessment consists of several steps.

The first step forms part of the desktop assessment. Here we would consult the database that has been collated by Umlando. These databases contains archaeological site locations and basic information from several provinces (information from Umlando surveys and some colleagues), most of the national and provincial monuments and battlefields in Southern Africa (<http://www.vuvuzela.com/googleearth/monuments.html>) and cemeteries in southern Africa (information supplied by the Genealogical Society of Southern Africa). We use 1st and 2nd edition 1:50 000 topographical and 1937 aerial photographs where available, to assist in general location and dating of buildings and/or graves. The database is in Google Earth format and thus used as a quick reference when undertaking desktop studies. Where required we would consult with a local data recording centre, however these tend to be fragmented between different institutions and areas and thus difficult to access at times. We also consult with an historical architect, palaeontologist, and an historian where necessary.

The survey results will define the significance of each recorded site, as well as a management plan.

All sites are grouped according to low, medium, and high significance for the purpose of this report. Sites of low significance have no diagnostic artefacts or features. Sites of medium significance have diagnostic artefacts or features and these sites tend to be sampled. Sampling includes the collection of artefacts for future analysis. All diagnostic pottery, such as rims, lips, and decorated sherds are sampled, while bone, stone, and shell are mostly noted. Sampling usually occurs on most sites. Sites of high significance are excavated and/or extensively sampled. Those sites that are extensively sampled have high research potential, yet poor preservation of features.

Defining significance

Heritage sites vary according to significance and several different criteria relate to each type of site. However, there are several criteria that allow for a general significance rating of archaeological sites.

These criteria are:

1. State of preservation of:

- 1.1. Organic remains:
 - 1.1.1. Faunal
 - 1.1.2. Botanical
- 1.2. Rock art
- 1.3. Walling
- 1.4. Presence of a cultural deposit
- 1.5. Features:
 - 1.5.1. Ash Features
 - 1.5.2. Graves
 - 1.5.3. Middens
 - 1.5.4. Cattle byres
 - 1.5.5. Bedding and ash complexes

2. Spatial arrangements:

- 2.1. Internal housing arrangements
- 2.2. Intra-site settlement patterns
- 2.3. Inter-site settlement patterns

3. Features of the site:

- 3.1. Are there any unusual, unique or rare artefacts or images at the site?
- 3.2. Is it a type site?
- 3.3. Does the site have a very good example of a specific time period, feature, or artefact?

4. Research:

- 4.1. Providing information on current research projects
- 4.2. Salvaging information for potential future research projects

5. Inter- and intra-site variability

- 5.1. Can this particular site yield information regarding intra-site variability, i.e. spatial relationships between various features and artefacts?
- 5.2. Can this particular site yield information about a community's social relationships within itself, or between other communities?

6. Archaeological Experience:

- 6.1. The personal experience and expertise of the CRM practitioner should not be ignored. Experience can indicate sites that have potentially significant aspects, but need to be tested prior to any conclusions.

7. Educational:

- 7.1. Does the site have the potential to be used as an educational instrument?
- 7.2. Does the site have the potential to become a tourist attraction?
- 7.3. The educational value of a site can only be fully determined after initial test-pit excavations and/or full excavations.

8. Other Heritage Significance:

- 8.1. Palaeontological sites
- 8.2. Historical buildings
- 8.3. Battlefields and general Anglo-Zulu and Anglo-Boer sites

- 8.4. Graves and/or community cemeteries
- 8.5. Living Heritage Sites
- 8.6. Cultural Landscapes, that includes old trees, hills, mountains, rivers, etc related to cultural or historical experiences.

The more a site can fulfill the above criteria, the more significant it becomes. Test-pit excavations are used to test the full potential of an archaeological deposit. This occurs in Phase 2. These test-pit excavations may require further excavations if the site is of significance (Phase 3). Sites may also be mapped and/or have artefacts sampled as a form of mitigation. Sampling normally occurs when the artefacts may be good examples of their type, but are not in a primary archaeological context. Mapping records the spatial relationship between features and artefacts.

The above significance ratings allow one to grade the site according to SAHRA's grading scale. This is summarised in Table 1.

TABLE 1: SAHRA GRADINGS FOR HERITAGE SITES

SITE SIGNIFICANCE	FIELD RATING	GRADE	RECOMMENDED MITIGATION
High Significance	National Significance	Grade 1	Site conservation / Site development
High Significance	Provincial Significance	Grade 2	Site conservation / Site development
High Significance	Local Significance	Grade 3A / 3B	
High / Medium Significance	Generally Protected A		Site conservation or mitigation prior to development / destruction
Medium Significance	Generally Protected B		Site conservation or mitigation / test excavation / systematic sampling / monitoring prior to or during development / destruction
Low Significance	Generally Protected C		On-site sampling monitoring or no archaeological mitigation required prior to or during development / destruction

RESULTS

DESKTOP STUDY

The desktop study consisted of analysing various maps for evidence of prior habitation in the study area, as well as for previous archaeological surveys. The archaeological database indicates that there are archaeological sites in the general area (fig. 5). These sites include all types of Stone Age and Iron Age sites. No sites occur in the study area.

No national monuments, battlefields, or historical cemeteries are known to occur in the study area.

The Surveyor Generals map indicates the farm was first surveyed in 1946, under Erf Spring Valley 13470 (fig. 6). No buildings are noted on the diagram.

The 1937 aerial photographs indicate that there are agricultural fields and settlements to the west of the study area (fig. 7). There is a possible settlement within the study area – visible by two ‘white’ houses on the aerial photograph. All settlements from this period would probably have human graves within 50m of them.

The 1968 1:50 000 topographical map indicates that most of the area was under cultivation with some areas of afforestation (fig. 8).

FIG. 5: LOCATION OF KNOWN HERITAGE SITES NEAR THE STUDY AREA

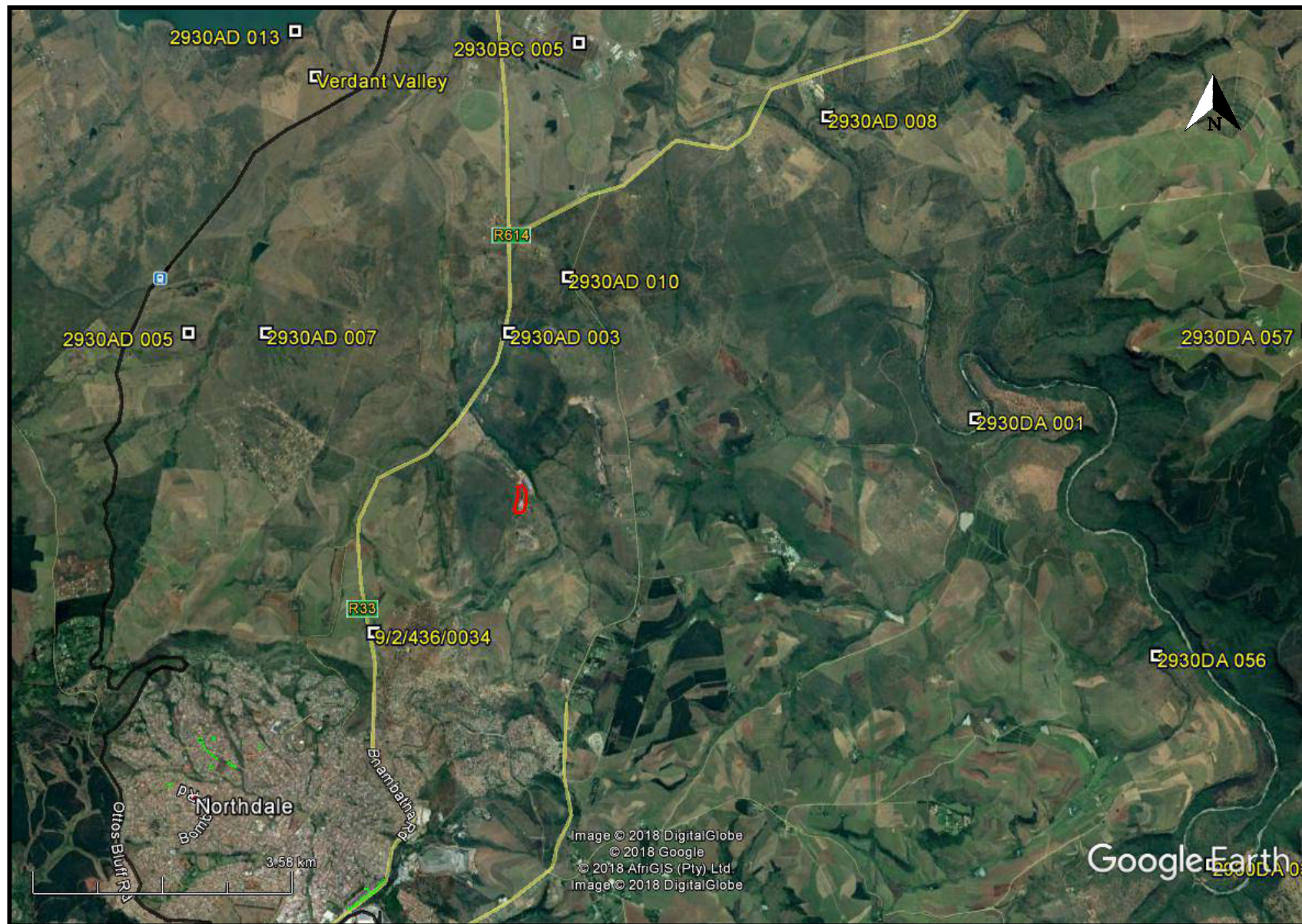


Fig. 6: Original Surveyor General Map (1946)

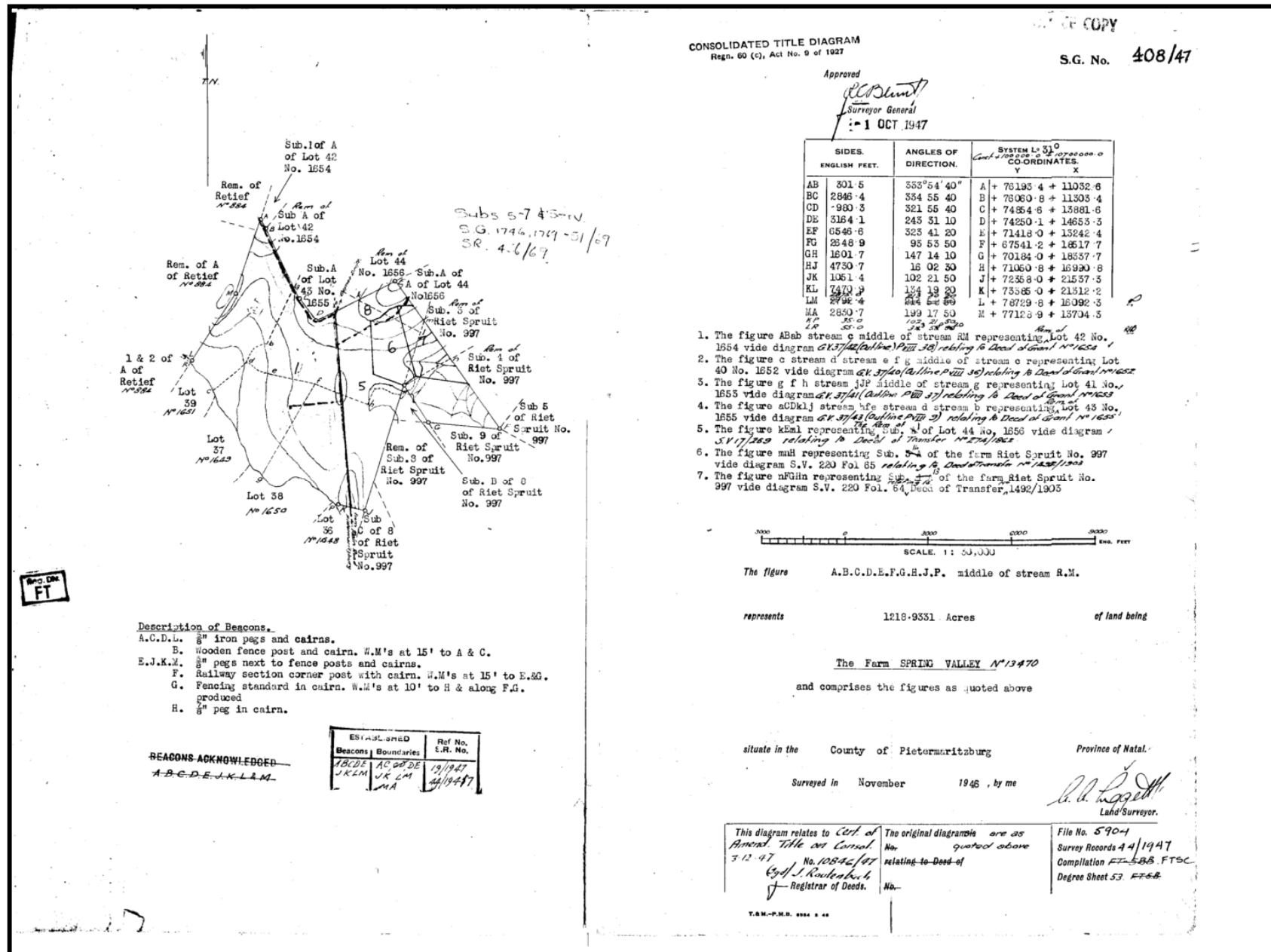


FIG. 7: STUDY AREA IN 1937

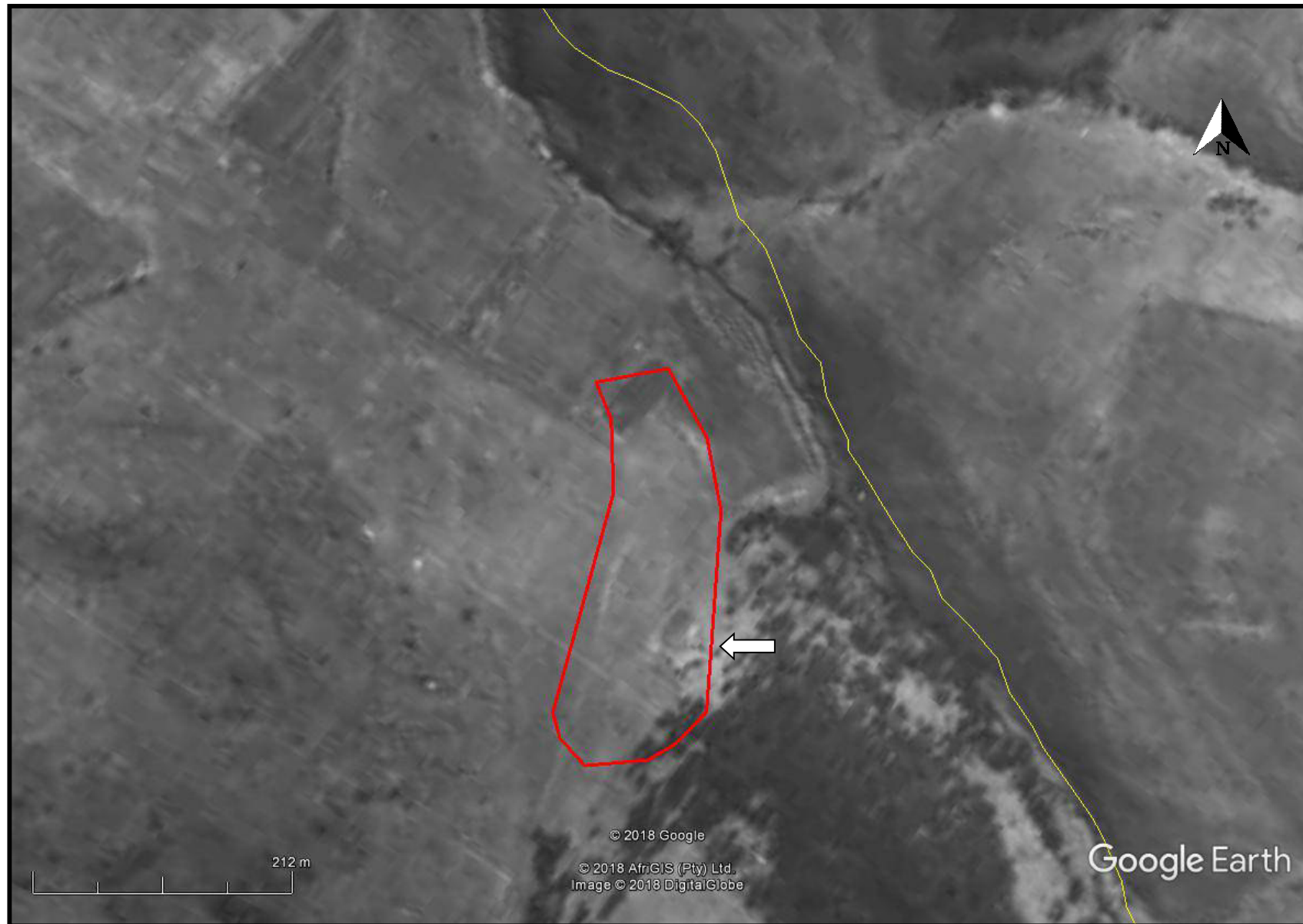
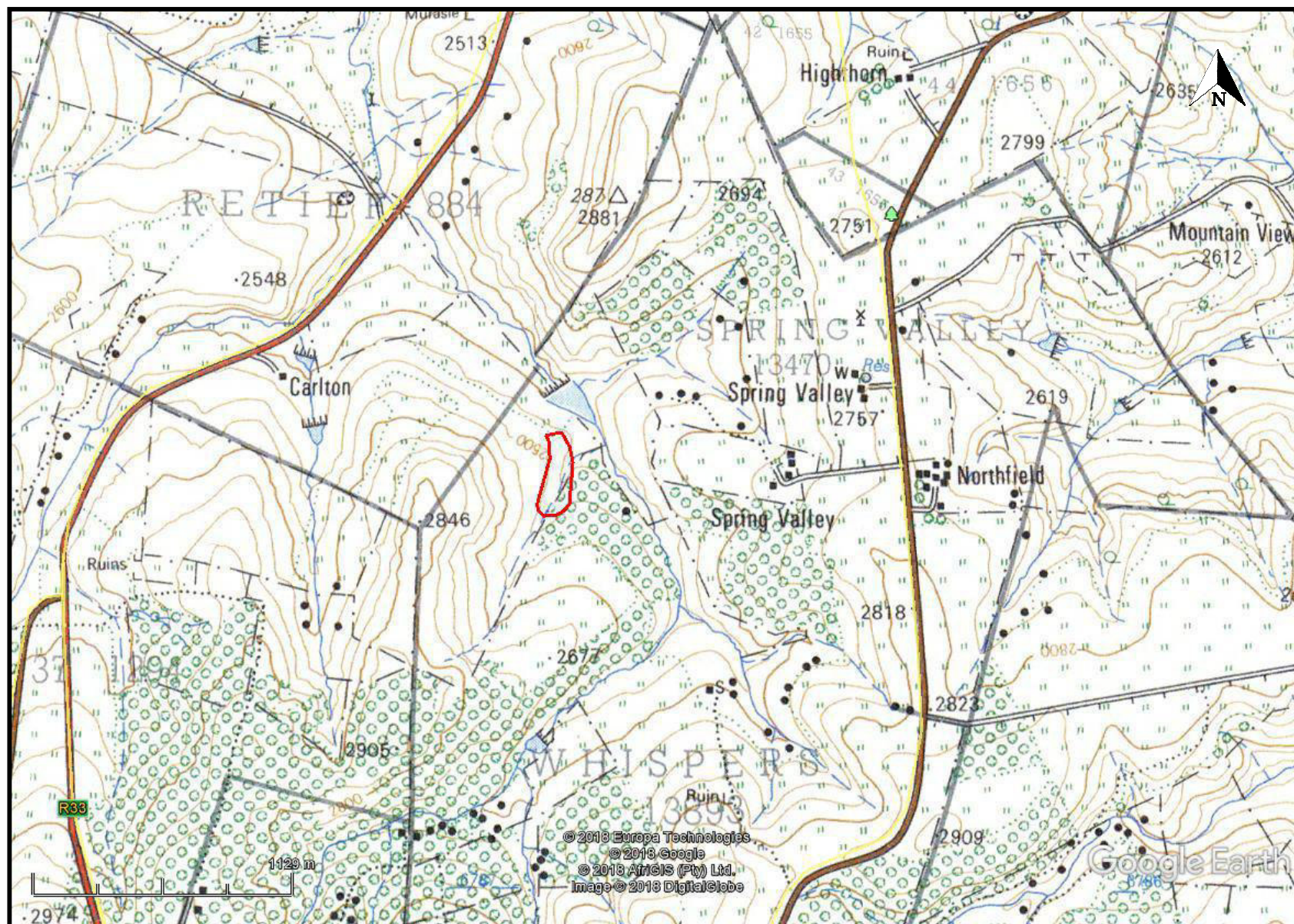


FIG. 8: STUDY AREA IN 1968



PALAEONTOLOGICAL IMPACT ASSESSMENT

The PIA sensitivity indicates that the area is of moderate palaeontological sensitivity (fig. (9)). Dr. G. Groenewald undertook a field survey of the study area. His field survey confirms that the study area is underlain by deeply weathered sediments of the Pietermaritzburg Formation and some deeply weathered dolerite. The mining is not planned in dolerite terrain. The excavations for the mining of shale for this development will expose some sediments of the Pietermaritzburg Formation. Due to weathering, no well-preserved fossils were observed during the field investigation. Exposure of bedrock during excavation might however result in the exposure of significant plant and/or trace fossils of the Pietermaritzburg Formation. The Moderate palaeontological sensitivity is allocated to the entire study area

:

It is recommended that:

- The EAP and ECO must be informed of the fact that a Moderate Palaeontological sensitivity was allocated to the entire mining area that will expose sediments of the Pietermaritzburg Formation and although highly weathered, fossils might be recorded during the later phase of mining.
- If the ECO observes any structures on the bedding planes of the shale, a suitably qualified Palaeontologist must be appointed to inspect the site and produce a “Chance Find Protocol” document (CFP) that then need to be updated on a monthly basis.
- These recommendations must be included in the EMP of this project.

FIG. 9: PALAEOLOGICAL SENSITIVITY OF THE STUDY AREA



COLOUR	SENSITIVITY	REQUIRED ACTION
RED	VERY HIGH	field assessment and protocol for finds is required
ORANGE/YELLOW	HIGH	desktop study is required and based on the outcome of the desktop study, a field assessment is likely
GREEN	MODERATE	desktop study is required
BLUE	LOW	no palaeontological studies are required however a protocol for finds is required
GREY	INSIGNIFICANT/ZERO	no palaeontological studies are required
WHITE/CLEAR	UNKNOWN	these areas will require a minimum of a desktop study. As more information comes to light, SAHRA will continue to populate the map.

FIELD SURVEY

The field survey was undertaken on 16 February 2018. Much of the site had been cleared than was originally visible on the Google Earth imagery. Only a small margin remained and this was up to the shale buffer wall.

No artefacts or features were noted in the remaining areas. The area identified from the 1937 aerial photograph has been quarried between 2006 and 2011 according to Google Earth Imagery.

No further mitigation is required.

CONCLUSION

A heritage survey was undertaken for the proposed Thandasizwe Quarry. The quarry has been in existence for some time. The desktop study indicated that there was a potential for archaeological sites as well as 20th century settlements in the study area. The quarry had extended into a possible 20th century settlement, and this no longer exists.

The quarry is unlikely to yield palaeontological remains, and no further mitigation is required.

No further HIA mitigation is required for this project.

REFERENCES

Maps

117B_049_03462

SG 408/47

2830CB Pietermaritzburg 1:50 000 topographical map 1968, 2000

Database

Natal Museum Site Record Database

SAHRIS database

Umlando database

Literature

Mucina, L. & Rutherford, M.C. (eds) 2006. The vegetation of South Africa. Lesotho and Swaziland. *Strelitzia* 19. South African National Biodiversity Institute, Pretoria.

EXPERIENCE OF THE HERITAGE CONSULTANT

Gavin Anderson has a M. Phil (in archaeology and social psychology) degree from the University of Cape Town. Gavin has been working as a professional archaeologist and heritage impact assessor since 1995. He joined the Association of Professional Archaeologists of Southern Africa in 1998 when it was formed. Gavin is rated as a Principle Investigator with expertise status in Rock Art, Stone Age and Iron Age studies. In addition to this, he has worked on both West and East Coast shell middens, Anglo-Boer War sites, and Historical Period sites.

DECLARATION OF INDEPENDENCE

I, Gavin Anderson, declare that I am an independent specialist consultant and have no financial, personal or other interest in the proposed development, nor the developers or any of their subsidiaries, apart from fair remuneration for work performed in the delivery of heritage assessment services. There are no circumstances that compromise the objectivity of my performing such work.

A handwritten signature in black ink, appearing to read 'G. Anderson', with a stylized flourish above the name.

Gavin Anderson
Archaeologist/Heritage Impact Assessor

APPENDIX A
PALAEONTOLOGICAL IMPACT ASSESSMENT

**PHASE 1 PALAEOLOGICAL
ASSESSMENT FOR THE PROPOSED
MINING ON FARM THANDISIZWE
16691, UMSHWATHI LOCAL
MUNICIPALITY, UMGUNGUNDLOVU
DISTRICT MUNICIPALITY, KWAZULU-
NATAL PROVINCE.**

**FOR
HIA CONSULTANTS**

UMLANDO

DATE: 16 February 2018

By

**Gideon Groenewald
Cell: 078 713 6377**

EXECUTIVE SUMMARY

Gideon Groenewald was appointed to undertake a Phase 1 Palaeontological Assessment for the proposed Mining on farm Thandisizwe 16691, uMshwathi Local Municipality, UMgungundlovu District Municipality, Kwazulu-Natal Province.

This Palaeontological Assessment forms part of the Heritage Impact Assessment (HIA) and complies with the requirements of the South African National Heritage Resource Act No 25 of 1999 as well as the KwaZulu-Natal Heritage Act No 4 of 2008. In accordance with Section 38 of the National Resources Act No 25 of 1999 (Heritage Resources Management), a HIA is required to assess any potential impacts to palaeontological heritage within the development footprint.

The development site for the proposed Mining on farm Thandisizwe 16691, uMshwathi Local Municipality, UMgungundlovu District Municipality, Kwazulu-Natal Province is underlain by Permian aged sedimentary rocks of the Pietermaritzburg Formation, Ecca Group of the Karoo Supergroup.

No significant fossils were observed during the field investigation. The potential for finding significant fossils in any excavation into sediments of the Pietermaritzburg Formation is Moderate, and due to the deep weathering it is recommended that no further professional mitigation is required during the excavation of material during mining of the weathered clay. If fossils are however observed during mining, the HIA consultant must be notified and the fossils collected by a suitably qualified palaeontologist. No fossils will be associated with areas underlain by dolerite.

It is recommended that:

The EAP and ECO must be informed of the fact that a Moderate Palaeontological sensitivity was allocated to the entire mining area that will expose sediments of the Pietermaritzburg Formation and although highly weathered, fossils might be recorded during the later phase of mining.

If the ECO observes any structures on the bedding planes of the shale, a suitably qualified Palaeontologist must be appointed to inspect the site and produce a "Chance Find Protocol" document (CFP) that then need to be updated on a monthly basis.

These recommendations must be included in the EMP of this project.

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INTRODUCTION

Gideon Groenewald was appointed to undertake a Phase 1 Palaeontological Assessment for the proposed Mining on farm Thandisizwe 16691, uMshwathi Local Municipality, UMgungundlovu District Municipality, Kwazulu-Natal Province (Figure 1).



Figure 1 Proposed area of application for shale mining

The purpose of this Phase 1 Palaeontological Impact Assessment is to identify exposed and potential Palaeontological Heritage on the site of the proposed development, to assess the impact the development may have on this resource, and to make recommendations as to how this impact might be mitigated. The field survey indicated the requirement of a “Chance Find Protocol” that will be included in this Phase 1 PIA report.

Legal Requirements

This Palaeontological Assessment forms part of the Heritage Impact Assessment (HIA) and complies with the requirements of the South African National Heritage Resource Act No 25 of 1999 as well as the KwaZulu-Natal Heritage Act No 4 of 2008. In accordance with Section 38 of the National Resources Act No 25 of 1999 (Heritage Resources Management), a HIA is

required to assess any potential impacts to palaeontological heritage within the development footprint..

Categories of heritage resources recognised as part of the National Estate in Section 3 of the Heritage Resources Act, and which therefore fall under its protection, include:

- geological sites of scientific or cultural importance;
- objects recovered from the soil or waters of South Africa, including archaeological and palaeontological objects and material, meteorites and rare geological specimens; and
- objects with the potential to yield information that will contribute to an understanding of South Africa's natural or cultural heritage.

Aims and Methodology

A Phase 1 investigation is often the last opportunity to record the fossil heritage within the development footprint. These records are very important to understand the past and form an important part of South Africa's National Estate.

Following the *"SAHRA APM Guidelines: Minimum Standards for the Archaeological & Palaeontological Components of Impact Assessment Reports"* the aims of the palaeontological impact assessment are:

- to identifying exposed and subsurface rock formations that are considered to be palaeontologically significant;
- to assessing the level of palaeontological significance of these formations;
- to comment on the impact of the development on these exposed and/or potential fossil resources and
- to make recommendations as to how the developer should conserve or mitigate damage to these resources.

Prior to the field investigation a preliminary assessment (desktop study) of the topography and geology of the study area was made using appropriate 1:250 000 geological maps (2930 Durban) in conjunction with Google Earth. Potential fossiliferous rock units (groups, formations etc) were identified within the study area and the known fossil heritage within each rock unit was inventoried from the published scientific literature, previous palaeontological impact studies in the same region and the author's field experience.

Priority palaeontological areas were identified within the development footprint to focus the field investigator's time and resources. The aim of the fieldwork was to document any exposed fossil material and to assess the

palaeontological potential of the region in terms of the type and extent of rock outcrop in the area.

The likely impact of the proposed development on local fossil heritage was determined on the basis of the palaeontological sensitivity of the rock units concerned and the nature and scale of the development itself, most notably the minimal extent of fresh bedrock excavation envisaged. The different sensitivity classes used are explained in Table 2.1 below.

The likely impact of the proposed development on local fossil heritage is determined on the basis of the palaeontological sensitivity of the rock units concerned and the nature and scale of the development itself, most notably the extent of bedrock excavation envisaged. The different sensitivity classes used are explained in Table 1 below.

Table 1 Palaeontological sensitivity analysis outcome classification

PALAEONTOLOGICAL SIGNIFICANCE/VULNERABILITY OF ROCK UNITS	
The following colour scheme is proposed for the indication of palaeontological sensitivity classes. This classification of sensitivity is adapted from that of Almond et al (2008, 2009) (Groenewald et al., 2014).	
RED	Very High Palaeontological sensitivity/vulnerability. Development will most likely have a very significant impact on the Palaeontological Heritage of the region. Very high possibility that significant fossil assemblages will be present in all outcrops of the unit. Appointment of professional palaeontologist, desktop survey, phase I Palaeontological Impact Assessment (PIA) (field survey and recording of fossils) and phase II PIA (rescue of fossils during construction) as well as application for collection and destruction permit compulsory.
ORANGE	High Palaeontological sensitivity/vulnerability. High possibility that significant fossil assemblages will be present in most of the outcrop areas of the unit. Fossils most likely to occur in associated sediments or underlying units, for example in the areas underlain by Transvaal Supergroup dolomite where Cenozoic cave deposits are likely to occur. Appointment of professional palaeontologist, desktop survey and phase I Palaeontological Impact Assessment (field survey and collection of fossils) compulsory. Early application for collection permit recommended. Highly likely that a Phase II PIA will be applicable during the construction phase of projects.

GREEN	Moderate Palaeontological sensitivity/vulnerability. High possibility that fossils will be present in the outcrop areas of the unit or in associated sediments that underlie the unit. For example areas underlain by the Gordonia Formation or undifferentiated soils and alluvium. Fossils described in the literature are visible with the naked eye and development can have a significant impact on the Palaeontological Heritage of the area. Recording of fossils will contribute significantly to the present knowledge of the development of life in the geological record of the region. Appointment of a professional palaeontologist, desktop survey and phase I PIA (ground proofing of desktop survey) recommended.
BLUE	Low Palaeontological sensitivity/vulnerability. Low possibility that fossils that are described in the literature will be visible to the naked eye or be recognized as fossils by untrained persons. Fossils of for example small domal Stromatolites as well as micro-bacteria are associated with these rock units. Fossils of micro-bacteria are extremely important for our understanding of the development of Life, but are only visible under large magnification. Recording of the fossils will contribute significantly to the present knowledge and understanding of the development of Life in the region. Where geological units are allocated a blue colour of significance, and the geological unit is surrounded by highly significant geological units (red or orange coloured units), a palaeontologist must be appointed to do a desktop survey and to make professional recommendations on the impact of development on significant palaeontological finds that might occur in the unit that is allocated a blue colour. An example of this scenario will be where the scale of mapping on the 1:250 000 scale maps excludes small outcrops of highly significant sedimentary rock units occurring in larger alluvium deposits. Collection of a representative sample of potential fossiliferous material is recommended.
GREY	Very Low Palaeontological sensitivity/vulnerability. Very low possibility that significant fossils will be present in the bedrock of these geological units. The rock units are associated with intrusive igneous activities and no life would have been possible during emplacement of the rocks. It is however essential to note that the geological units mapped out on the geological maps are invariably overlain by Cenozoic aged sediments that might contain significant fossil assemblages and archaeological material. Examples of significant finds occur in areas underlain by granite, just to the west of Hoedspruit in the Limpopo Province, where significant assemblages of fossils and clay-pot fragments are associated with large termite mounds. Where geological units are allocated a grey colour of significance, and the geological unit is surrounded by very high and highly significant geological units (red or orange coloured units), a palaeontologist must be appointed to do a desktop survey and to make professional recommendations on the impact of development on significant palaeontological finds that might occur in the

	unit that is allocated a grey colour. An example of this scenario will be where the scale of mapping on the 1:250 000 scale maps excludes small outcrops of highly significant sedimentary rock units occurring in dolerite sill outcrops. It is important that the report should also refer to archaeological reports and possible descriptions of palaeontological finds in Cenozoic aged surface deposits.
--	---

When rock units of moderate to high palaeontological sensitivity are present within the development footprint, palaeontological mitigation measures should be incorporated into the Environmental Management Plan.

Scope and Limitations of the Phase 1 Investigation

The scope of a phase 1 Investigation includes:

- an analysis of the area's stratigraphy, age and depositional setting of fossil-bearing units;
- a review of all relevant palaeontological and geological literature, including geological maps, and previous palaeontological impact reports;
- data on the proposed development provided by the developer (e.g. location of footprint, depth and volume of bedrock excavation envisaged) and
- where feasible, location and examination of any fossil collections from the study area (e.g. museums).
- an on-site investigation to assess the identified palaeontological sensitive areas within the development footprint/study area rather than formal palaeontological collection. The investigation focussed on the bedrock exposure where excavations would most probably require palaeontological monitoring.

The results of the field investigation are used to predict the potential of buried fossil heritage within the development footprint. In some investigations, this involves the examination of similar accessible bedrock exposures, such as road cuttings and quarries, along roads that run parallel to or across the development footprint.

Locality and Proposed Development

The study area is located on the farm Thandisizwe north of Pietermaritzburg (Figure 2).



Figure 2 Location north of Pietermaritzburg

GEOLOGY

The study area is underlain by Permian aged sedimentary rocks of the Pietermaritzburg Formation of the Ecca Group of the Karoo Supergroup, (Figure 2).

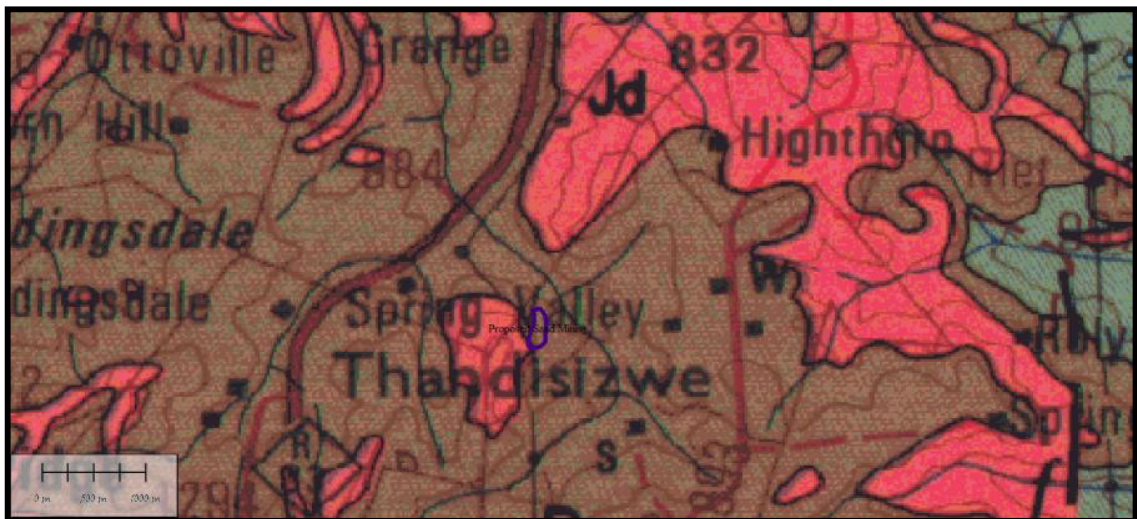


Figure 3 Study Area in purple on Thandisiwe

Ecca Group

Pietermaritzburg Formasie (Pp)

The Pietermaritzburg Formation underlies the entire study area and is defined by a fine-grained mudstone and shale that varies from very dark grey when not weathered to yellow-brown when highly weathered. The formation is interpreted as a deep marine shale deposit and is highly sort after material for the manufacturing of high quality bricks in KwaZulu-Natal.

PALAEONTOLOGY

Ecca Group

Pietermaritzburg Formation (Pp)

In this study area the Pietermaritzburg Formation is extremely weathered and the chance find of fossils is not very high. Several trace fossils has been recorded in the upper part of the formation (Johnson et al, 2009) and well-preserved plant fossils have been recorded by the author in areas closer to Pietermaritzburg where less weathered outcrops of the formation are found.

PRELIMINARY ASSESSMENT RESULTS

The palaeontological sensitivity was predicted after identifying potentially fossiliferous rock units; ascertaining the fossil heritage from the literature and evaluating the nature and scale of the development itself. The palaeontological sensitivity was predicted as Moderately significant, due to the potential abundance of Permian aged fossils in the Ecca Group.

FIELD INVESTIGATIONS

Dr Gideon Groenewald, experienced fieldworker, and Alfred Mahlambi, technical assistant, visited the site of the proposed Mining on farm Thandisizwe 16691, uMshwathi Local Municipality, UMgungundlovu District Municipality, Kwazulu-Natal Province on Friday 16th March 2018. The topography of the area is rugged with steep middle slopes and small footslopes ending in a well-defined valley floors. The study area is on the foot slope and is mostly overgrown with high stands of grass (*Hyparrhenia* sp) and thick woody vegetation (*Akasia* sp) whereas the river floor is mostly cut onto dolerite and covered in sandy substrates and vegetation. The site of the mining area falls on highly weathered shale with well-defined fractures and bedding planes.

Excavations for the new development will expose mostly siltstone and clay-rich mudstone of the Pietermaritzburg Formation. Most of the steeper slopes are covered in dolerite scree boulders of several meters in thickness and good exposures were created by excavations into the side of the hills to do preliminary exploration for clay-rich material.


Detailed observations were recorded in the area that will be mined and observations were recorded photographically at GPS points (Figure 3 and Table 2).





Field observations were recorded photographically (Table 2).









Figure 4 Points in the study area where Photographic observations were recorded (Table 2)




Table 2 Record of Photographic Observations (See Figure 4 for GPS sites)

Photo	(GPS station) Coordinates	Comments	Photographic Record
1	(GPS 3581) S29° 31.212' E30° 26.421'	General view of the study site, where new excavations will expose potential trace or plant fossils	

2	(GPS 3581) S29° 31.212' E30° 26.421'	Outcrop of Pietermaritzburg Formation sediments with well-defined matchbox weathering that can be confused for fossil structures. No fossils observed.	
3	(GPS 3581) S29° 31.212' E30° 26.421'	Outcrop of Pietermaritzburg Formation sediments and laminations of iron enrichment. No fossils observed.	
4	(GPS 3581) S29° 31.212' E30° 26.421'	Typical oxidation on the shale laminations with possible trace fossils observed. The trace fossils are not well-defined and collection or preservation will not be feasible.	
5	(GPS 3591) S29° 31.258' E30° 26.350'	Deep weathering and shallow water tables that will result in water seepage into the mining area. No fossils were observed.	

6	(GPS 3591) S29° 31.258' E30° 26.350'	Relatively deep soils on weathered Pietermaritzburg Formation Shale in areas that will be excavated during mining operations. No fossils observed but excavation into the Pietermaritzburg mudstones might reveal significant fossils	
7	(GPS 3591) S29° 31.258' E30° 26.350'	Relatively deep sediments of the Permian aged Pietermaritzburg Formation that will be excavated during mining. These sediments might contain significant plant and trace fossils. No fossils were recorded during the field visit.	
8	(GPS 3601) S29° 31.304' E30° 26.370'	Deeply weathered sediments and material of the Pietermaritzburg Formation. Excavation of the material might reveal significant fossils, but no fossils were observed during this site investigation.	

9	(GPS 3611) S29° 31.299' E30° 26.400'	Deeply weathered sediments and material of the Pietermaritzburg Formation, overgrown with grass and trees. Excavation of the material might reveal significant fossils, but no fossils were recorded during this site visit.	
10	(GPS 3611) S29° 31.299' E30° 26.400'	White shale with trace fossils that are highly weathered and not recommended for collection. These sediments might contain significant trace fossils and must be collected if encountered during mining of the shale layers. It is recommended that the ECO must be informed of the presence of these fossils and the HIA specialist must be informed if these structures are observed in the white coloured mudstone	
11	(GPS 3621) S29° 31.278' E30° 26.311'	Deeply weathered shale of the Pietermaritzburg Formation overgrown with grass and thorn trees. No fossils were observed in these highly weathered shale outcrops.	

12	(GPS 3621) S29° 31.278' E30° 26.311'	Typical layered shale of the Pietermaritzburg Formation. No fossils were recorded during this site visit.	 A close-up photograph showing several flat, layered rock fragments of varying shades of brown and grey, likely shale, scattered on the ground. A timestamp '16/02/2018 13:29' is visible in the bottom right corner.
13	(GPS 3631) S29° 31.220' E30° 26.332'	Deeply weathered and clay-rich highly dispersive soil and sediments of the Pietermaritzburg Formation and layers of shale on the middle slope. Excavation into these sediments can reveal significant fossils during mining but no fossils were observed during this site visit.	 A photograph of a steep, eroded hillside. The exposed face shows distinct horizontal layers of reddish-brown soil and darker rock. Sparse green vegetation is visible on the upper parts of the slope. A timestamp '16/02/2018 13:34' is visible in the bottom right corner.
14	(GPS 3651) S29° 31.146' E30° 26.326'	Deep soil overgrown with vegetation on the contact of the shale with dolerite sill material. No fossils are expected from these zone.	 A photograph showing a steep slope almost completely covered by dense, tall green vegetation, including bamboo-like plants. The underlying rock face is barely visible. A timestamp '16/02/2018 13:42' is visible in the bottom right corner.

PALAEONTOLOGICAL IMPACT AND MITIGATION

The predicted palaeontological impact of the development is based on the initial mapping assessment and literature reviews as well as information gathered during the field investigation (Figure 4).



Figure 5 Palaeontological sensitivity of the mining area is moderate and the chance find of fossils is not high enough to warrant a Phase 2 PIA

The field investigation confirms that the study area is underlain by deeply weathered sediments of the Pietermaritzburg Formation and some deeply weathered dolerite. The mining is not planned in dolerite terrain.

The excavations for the mining of shale for this development will expose some sediments of the Pietermaritzburg Formation. Due to weathering, no well-preserved fossils were observed during the field investigation. Exposure of bedrock during excavation might however result in the exposure of significant plant and/or trace fossils of the Pietermaritzburg Formation. The Moderate palaeontological sensitivity is allocated to the entire study area (Figure 4).

CONCLUSION

The development site for the proposed Mining on farm Thandisizwe 16691, uMshwathi Local Municipality, UMgungundlovu District Municipality, Kwazulu-Natal Province is underlain by Permian aged sedimentary rocks of the Pietermaritzburg Formation, Ecca Group of the Karoo Supergroup.

No significant fossils were observed during the field investigation. The potential for finding significant fossils in any excavation into sediments of the Pietermaritzburg Formation is Moderate, and due to the deep weathering it is recommended that no further professional mitigation is required during the excavation of material during mining of the weathered clay. If fossils are observed during mining, the HIA consultant must be notified and the fossils collected by a suitably qualified palaeontologist. No fossils will be associated with areas underlain by dolerite.

It is recommended that:

The EAP and ECO must be informed of the fact that a Moderate Palaeontological sensitivity was allocated to the entire mining area that will expose sediments of the Pietermaritzburg Formation and although highly weathered, fossils might be recorded during the later phase of mining.

If the ECO observes any structures on the bedding planes of the shale, a suitably qualified Palaeontologist must be appointed to inspect the site and produce a "Chance Find Protocol" document (CFP) that then need to be updated on a monthly basis.

These recommendations must be included in the EMP of this project.

REFERENCES

Almond J.E. and Pether J. 2008. *Palaeontological Heritage of the Western Cape*. Internal Report Heritage Western Cape.

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Bamford M. 2011. Desktop study Palaeontology Ermelo to Empangeni – Eskom powerline. Internal report Bernard Price Institute for Palaeontological Research, University of the Witwatersrand.

Groenewald G.H., Groenewald D.P. and Groenewald S.M., 2014. *Palaeontological Heritage of the Free State, Gauteng, Limpopo, Mpumalanga and North West Provinces*. Internal Palaeotechnical Reports, SAHRA.

Johnson MR , Anhaeusser CR and Thomas RJ (Eds). 2009. The Geology of South Africa. GSSA, Council for Geoscience, Pretoria.

Linstrom W. 1987 Die Geologie van die gebied Durban. Explanation Sheet 2930 (1:250 000). Geological Survey of South. Africa.

MacRae C. 1999. Life Etched in Stone. Geological Society of South Africa, Linden, South Africa.

Mason TR and Christie ADM 1986. Palaeoenvironmental significance of ichnogenus *Diplo craterion* torell from the Permian Vryheid Formation of the Karoo Supergroup, South Africa. *Palaeogeography, Palaeoclimatology, Palaeoecology* 53(3-4):249-265.

McCarthy T and Rubidge BS. 2005. Earth and Life. 333pp. Struik Publishers, Cape Town.

QUALIFICATIONS AND EXPERIENCE OF THE AUTHOR

Dr Gideon Groenewald has a PhD in Geology from the University of Port Elizabeth (Nelson Mandela Metropolitan University) (1996) and the National Diploma in Nature Conservation from Technicon RSA (the University of South Africa) (1989). He specialises in research on South African Permian and Triassic sedimentology and macrofossils with an interest in biostratigraphy, and palaeo-ecological aspects. He has extensive experience in the locating of fossil material in the Karoo Supergroup and has more than 20 years of experience in locating, collecting and curating fossils, including exploration field trips in search of new localities in the southern, western, eastern and north-eastern parts of the country. His publication record includes multiple articles in internationally recognized journals. Dr Groenewald is accredited by the Palaeontological Society of Southern Africa (society member for 25 years).

DECLARATION OF INDEPENDENCE

I, Gideon Groenewald, declare that I am an independent specialist consultant and have no financial, personal or other interest in the proposed development, nor the developers or any of their subsidiaries, apart from fair remuneration for work performed in the delivery of palaeontological heritage assessment services. There are no circumstances that compromise the objectivity of my performing such work.



Dr Gideon Groenewald
Geologist

LEASE AGREEMENT

between

ROOKHIYA BEE BEE MOOSA

Identity number 570526 0172 084

("Property Holder 1")

and

ZAHEDA ISMAIL

Identity number 760329 0182 082

("Property Holder 2")

and

SUAIBA MOOSA

Identity number 840906 0207 086

("Property Holder 3")

and

FAYYAAZ MOOSA

Identity number 870309 5096 088

("Property Holder 4")

(Property holders 1 to 4 being collectively referred to as "the Landlord")

and

RAUBEX GROUP LIMITED OR NOMINEE

Registration number 2006/023666/06

("Tenant")

S M Z. J.
P. M.

1 | Page

Handwritten signatures and initials, including a large signature that appears to be 'H. J.' and several other initials.

SIGNED at on this the.....day of2020.

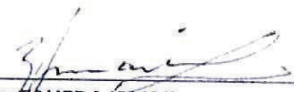
For: Landlord

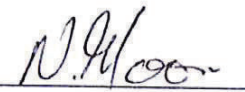

Name: **ROOKHIYA BEE BEE MOOSA**
Capacity: Property Owner 1


Witness

SIGNED at P.M. Burg on this the 3 day of SEPTEMBER 2020.

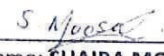
For: Landlord

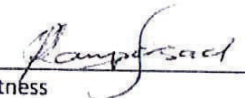

Name: **ZAHEDA ISMAIL**
Capacity: Property Owner 2


Witness

SIGNED at P.M. Burg on this the 03 day of SEPTEMBER 2020.


For: Landlord



Name: **SUAIBA MOOSA**
Capacity: Property Owner 3


Witness

SIGNED at LAPE Town on this the 4th day of SEPTEMBER 2020.

For: Landlord



Name: **FAYYAAZ MOOSA**
Capacity: Property Owner 4


Witness

SIGNED at P.M. Burg on this the 03 day of September 2020.

For: Tenant

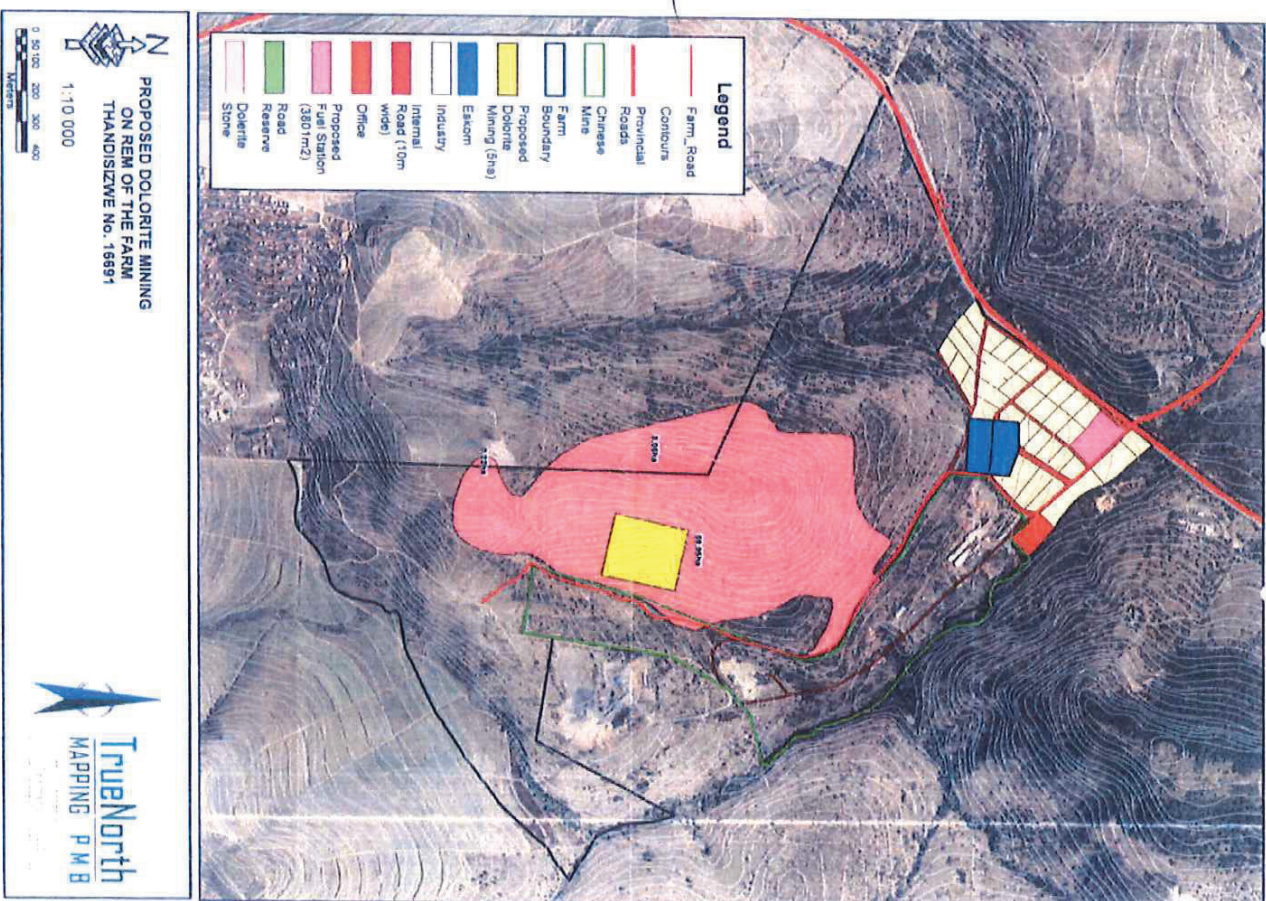

Name: **ROBERT LEONARD SHEDLOCK**
Capacity: Group Commercial Executive
RAUBEX GROUP LIMITED


Witness

Signed at Centuria on the 4th day of Sept 2020.



Answer A



RESOLUTION

Resolution of the Board of Directors of

INZALO CRUSHING AND AGGREGATES (PTY) LTD

REGISTRATION NUMBER 2008/008952/07


RESOLVED:

Greenmined Environmental is hereby authorized by the undersigned directors, as the designated company to sign all documents pertaining to Inzalo Crushing and Aggregates (Pty) Ltd's mining and water applications.

Signed on this day the 8th of July 2014



R L SHEDLOCK



S MAZIBUKO



Notice of Payment

24 September 2020

Dear MISS DK PRICE

Subject: Notice Of Payment: Amafa aKwaZulu Natal

Please be advised that you made a payment to Amafa aKwaZulu Natal as indicated below.

Transaction number:	8066E6FEEB-1
Payment date:	2020-09-24
Payment made from:	CHEQUE ACCOUNT
Payment made to:	Amafa aKwaZulu Natal
Beneficiary bank name:	ABSA BANK
Beneficiary account number:	4059356024
Bank branch code:	632005
For the amount of:	600.00
Immediate interbank payment:	N
Reference on beneficiary statement:	Inzalo Crushing 2409

Please remember that the following applies to online banking payments to non-ABSA bank accounts.

- Payments made on weekdays before 15:30 will be credited to the receiving bank account by midnight of the same day.
- Payments made on weekdays after 15:30 will be credited by midnight of the following day.
- Payments made on a Saturday, Sunday or Public holiday will be credited to the account by midnight of the 1st following weekday.

If you need more information or assistance, please call us on 0860 008 600 or +2711 501 5110 (International calls).

If you have made an incorrect internet banking payment, please send an email to digital@absa.co.za

Yours sincerely

General Manager: Digital Channels

This document is intended for use by the addressee and is privileged and confidential. If the transmission has been misdirected to you, please contact us immediately. Thank you.



Absa Online: Notice of Payment

15 October 2020

Dear DARYN KIM PRICE

Subject: Notice Of Payment: Amafa aKwaZulu Natal

Please be advised that you made a payment to Amafa aKwaZulu Natal as indicated below.

Transaction number:	8066E6FEEB-2
Payment date:	2020-10-15
Payment made from:	CHEQUE ACCOUNT
Payment made to:	Amafa aKwaZulu Natal
Beneficiary bank name:	ABSA BANK
Beneficiary account number:	4059356024
Bank branch code:	632005
For the amount of:	200.00
Immediate interbank payment :	N
Reference on beneficiary statement:	Inzalo Crushing 2409
Additional comments by payer:	-

Please remember that the following apply to Absa Online payments to non-ABSA bank accounts.

- Payments made on weekdays before 15:30 will be credited to the receiving bank account by midnight of the same day but may not be credited to the beneficiary's bank account at the same time.
- Payments made on weekdays after 15:30 will be credited by midnight of the following day.
- Payments made on a Saturday, Sunday or Public holiday will be credited to the account by midnight of the 1st following weekday.

If you need more information or assistance, please call us on 08600 08600 or +27 11 501 5110 (International calls).

If you have made an incorrect internet banking payment, please send an email to digital@absa.co.za

Yours sincerely

General Manager: Digital Channels

This document is intended for use by the addressee and is privileged and confidential. If the transmission has been misdirected to you, please contact us immediately. Thank you.



**KWAZULU-NATAL
AMAFA AND RESEARCH
INSTITUTE**

*THE KZN PROVINCIAL HERITAGE
RESOURCES AUTHORITY*

APPLICATION FORM J

Ref/Amafa ID:

File Ref:

EIA no:

Date Received:

Filter Com Recommendation:

Comment date:

**APPLICATION IN TERMS OF THE SECTION 41 OF THE KWAZULU-NATAL
AMAFA AND RESEARCH INSTITUTE ACT (5/2018) AND THE NATIONAL
HERITAGE RESOURCES ACT (SECTION 38) FOR COMMENT ON THE
PROPOSED DEVELOPMENT OF A SITE**

PLEASE NOTE IT IS AN OFFENCE IN TERMS OF THE KWAZULU-NATAL HERITAGE ACT, 2008 TO MAKE ANY FALSE STATEMENT OR FAIL TO PROVIDE REQUIRED INFORMATION IN THIS APPLICATION ([Detach and Consult the attached guidelines before completing this form](#)) THE ONUS IS ON THE APPLICANT TO ENSURE THAT THE CURRENT APPLICATION FORM IS USED. APPLICATIONS ON NON-COMPLIANT FORMS WILL NOT BE PROCESSED

ALL APPLICATION FORMS, DEVELOPMENT PROPOSALS, PHOTOGRAPHS, MOTIVATION, AND PROOF OF PAYMENT ARE TO BE UPLOADED TO THE SAHRIS SYSTEM (www.sahra.org.za). A hard copy must also be delivered to 195 Langalibalele Street, Pietermaritzburg, 3201 OR posted to Box 2685, Pietermaritzburg, 3200. In the case of a failure of the sahris system the application can be emailed to archaeology@amafapmb.co.za and bernadetp@amafapmb.co.za.

A. DEVELOPMENT DETAILS

1. PROJECT TITLE:

Application for a mining permit over a portion of Portion 0 (Remaining Extent) of the farm Thandisizwe No 16691 in the uMgungundlovu Magisterial District of KwaZulu-Natal Province.

2. PROJECT DESCRIPTION:

Inzalo Crushing and Aggregates (Pty) Ltd (hereinafter referred to as “the Applicant”) intends applying for a permit to mine dolerite from a 4.9 ha area on a portion of Portion 0 (Remaining Extent) of the farm Thandisizwe No 1669, uMgungundlovu District, KwaZulu-Natal Province.

The proposed activity entails a greenfield development of an area on the farm occasionally used for grazing. The mining method will make use of blasting in order to loosen the hard rock; the material will then be loaded and hauled to the crushing plant where it will be screened to various sized stockpiles. The aggregate will be stockpiled until it is transported from site using tipper trucks. All activities will be contained within the boundaries of the approved site.

The proposed mining area will be reached via the existing access road of the farm. Water requirements will mainly be for dust suppression on the processing plant and access road. Any water required for the implementation of the project will be bought and transported to site.

The proposed project will make use of generators until a connection to the Eskom grid can be secured. Currently it is proposed, that the Applicant will make use of temporary/mobile permanent infrastructure/equipment within the proposed 4.9 ha mining area.

The proposed mining footprint will be in close proximity (± 240 m) to an existing shale quarry. Prior to the development of the shale quarry, Mr Gavin Anderson undertook a Heritage Impact Assessment of the area (2018) (refer to Appendix 4 of the NID). Although Mr Anderson's study mainly focussed on the footprint of the proposed shale quarry, the report did not indicate any areas of concern within the immediate surroundings of the proposed mining area. Likewise, no national monuments, battlefields or cemeteries were identified in the proposed dolerite quarry footprint. The Palaeontological Sensitivity Map (of SAHRA) identifies the study area as being of insignificant concern regarding the presence of fossils and does not require palaeontological studies.

3. EXTENT OF THE SITE: **$\pm 49\,735$** m² **4.9** ha

EXTENT OF THE DEVELOPMENT AREA (m²): **4.9 ha ($\pm 49\,735$ m²)**

GPS CO-ORDINATES: (Decimal format only)

SOUTH:

EAST:

A. **-29.525724°**

30.433911°

B. **-29.525996°**

30.435987°

C. **-29.528233°**

30.435214°

D. **-29.527877°**

30.433278°

1:50 000 SHEET no: T2930CB (1:20 000)

1:10 000 SHEET no: T2930CB

B. PROPERTY DESCRIPTION:

Name of property: **Thandisizwe**

Title Deed No. **T36338/2005**

Erf/Lot/Farm No: **16691**

GPS Co-ordinates

Refer to above coordinates

Street Address: **N/A**

Local Municipality **uMshwati Local Municipality**

District Municipality **uMgungundlovu DM**

Traditional Authority Area **N/A**

Current zoning **Agriculture**

Present use **Vacant farm land occasionally used for grazing.**

C. DEVELOPMENT TYPE:

1. DECISION REQUIRED IN TERMS OF SECTION s41(1) (tick the appropriate box/boxes)

Linear Development/Barrier exceeding 300m in length e.g. road, pipe/power line, trench, canal or wall

N/A

Other similar form of linear development/barrier exceeding 300m in length

N/A

Construction of a bridge or similar structure exceeding 50m in length

N/A

Any development exceeding 5 000m² in extent or any other category of development provided for in regulations

X

Any other activity which would change the character of an area of land or water exceeding 10 000m² in extent

X

Any development involving three or more existing erven or sub-divisions thereof

N/A

Any other activity involving three or more existing erven or sub-divisions thereof					N/A
Any development or other activity involving three or more existing erven or sub-divisions thereof which have been consolidated within the past 5 years					N/A
Any development or other activity the costs of which will exceed a sum set out in the regulations					N/A
Re-zoning of a site exceeding 10 000m ²					N/A
2. DEVELOPMENTS THAT TRIGGER OTHER LEGISLATION (NEMA, ENVIRONMENTAL CONSERVATION ACT, MINERALS ACT, ETC)					
RESPONSE REQUIRED IN TERMS OF s41(8) (tick the appropriate box/boxes)					
BID	X	BAR	X	EIA	N/A
EMP	X	WULA	To be confirmed	MPRDA	X
OTHER (describe)					

D. IMPACT ON HERITAGE RESOURCES:	
To your knowledge would the Development impact on any known heritage resources protected in terms of the KZN Amafa and Research Institute Act (5/2018), or is the development located in the vicinity of any of the above? If yes, the Heritage Practitioner must create a site on sahris pinpointing the position of the heritage resource/s discovered. (tick the appropriate box/boxes below)	
s37 - Structures or part thereof that can reasonably be expected to be over 60 years of age	No
s38 - Graves of victims of conflict,	No
s39 - Informal and private burial grounds (traditional graves or graves outside of a formal cemetery e.g. a farm cemetery that are over 60 years of age).	No

s40 - Battlefield sites , archaeological sites, rock art sites, palaeontological sites, historic fortifications, ruins over 100 years old, meteorite or meteorite impact sites and any objects or ecofacts associated therewith	No
s42 - Protected areas (is the site within a known protected area?)	No
s43 - Specially protected heritage resources are listed in Schedule of Heritage Resources	No
s44 - Heritage Landmarks including the site on which they are situated	No
s45 - Provincial Landmarks and the site on which they are situated (state owned)	No
s46 - Graves of members of the Royal Family listed in Schedule of Heritage Resources	No
s47 - Battlefield site, public monument or memorial listed in the Schedule of Heritage Resources and any public monument defined in the NHRA and protected in terms of Section 37 of the NHRA, & Section 47 of the KZN Amafa and Research Institute Act (5/2018)	No
s49 - Artefacts, or collections thereof on which Heritage Object status has been conferred	No

E. CONTACT DETAILS

1. APPLICANT'S DETAILS (OWNER OF PROPERTY)

NAME **Mr Naaz Moosa**

POSTAL ADDRESS

N/A

POST CODE **3200**


TEL **082 732 7665**

FAX/EMAIL **N/A**

DECLARATION BY OWNER

I, **Christine Fouché**

(full names of owner/person authorized to sign on behalf of the owner) undertake strictly to observe the terms, conditions, restrictions, by-laws and directions under which the KZN Amafa and Research Institute may issue the comment to me.)

Signature  (signed on behalf of the Applicant)

Place **Ballito** Date **15 October 2020**

2. DELEGATED AUTHORITY (The name of the person authorized to act on behalf the applicant where the owner is a company, trust, or institution – Power or Attorney/proof of authorization to be attached)

NAME **Christine Fouché**

TEL **021 851 2673 / 082 811 8514**

FAX/EMAIL **086 546 0579**

3. DEVELOPER'S DETAILS

NAME(Company/institution/individual)

Inzalo Crushing and Aggregates (Pty) Ltd

POSTAL ADDRESS

P.O. Box 26730, East Rand, Kempton Park

POST CODE **1462**

TEL **011 966 4300**

FAX **086 612 8117**

CELL **082 602 6133**

EMAIL **chris@beinternational.co.za**

SIGNATURE
(Signed on behalf of the Applicant)

DATE
15 October 2020

4. CONSULTANT'S DETAILS

NAME(Company/institution/individual)

Greenmined Environmental (Pty) Ltd

POSTAL ADDRESS

Suite 62, Private Bag X15, Somerset West

POST CODE **7129**

TEL **021 851 2673**

FAX **086 546 0579**

CELL **082 811 8514**

EMAIL Christine.f@greenmined.co.za

 SIGNATURE	DATE 15 October 2020
---	------------------------------------

F. SUBMISSION FEE: R800.00 (subject to annual increment on the 1 April)

The submission fee is payable to the **KZN Amafa and Research Institute** by bank deposit/internet banking (EFT) and proof of payment must be submitted with the application.

ACCOUNT DETAILS:

ABSA BANK: Branch: ULUNDI Bank Code: 630330

Account in the name of **AMAFI AKWAZULU-NATALI**

Account No. 40-5935-6024

USE SAHRIS ID AS REFERENCE

G. PUBLIC PARTICIPATION: (Contact details of Interested and Affected Parties Consulted - written opinion to be attached to form and drawings to be signed by I & A P. See Guidelines)

Name **The public participation process will be conducted as part of the EIA (basic assessment) process and proof thereof will be included in the Basic Assessment Report (BAR) that will be forwarded to AMAFI for their perusal and commenting.**

Telephone _____ Fax _____

H. CHECKLIST OF DOCUMENTATION SUBMITTED

HARD COPY APPLICATION FORM (COMPLETED & SIGNED BY OWNER, DEVELOPER & CONSULTANT)	X
APPLICATION FORM UPLOADED TO SAHRIS	X
MOTIVATION	In process will form part of the BAR
SITE PHOTOGRAPHS/CASE IMAGES	Refer to NID and BAR
1:50 000 MAP & SATELLITE AERIAL VIEW	X
KML FILE MAP	Uploaded to SAHRIS
SITE PLAN SHOWING ALL FEATURES & HERITAGE RESOURCES	N/A
DEVELOPMENT PLAN SHOWING ALL FEATURES & HERITAGE RESOURCES SUPERIMPOSED THEREON	X
PROOF OF PROFESSIONAL ACCREDITATION (e.g. copy of accreditation card/certificate)	N/A
PROOF OF PUBLIC PARTICIPATION	In process will form part of the BAR
ENVIRONMENTAL IMPACT ASSESSMENT	In process will form part of the BAR

HERITAGE IMPACT ASSESSMENT	TBC
CONSENT LETTER FROM THE OWNER	X
LETTER OF APPOINTMENT OF CONSULTANT	X
PROOF OF PAYMENT OF SUBMISSION FEE (EFT/BANK DEP/AMAFA CARD)	X

KWAZULU-NATAL AMAFA AND RESEARCH INSTITUTE

THE KZN PROVINCIAL HERITAGE RESOURCES AUTHORITY
(accredited in terms of the National Heritage Resources Act)

GUIDELINES FOR THE PREPARATION OF APPLICATIONS FOR COMMENT FROM THE PROVINCIAL HERITAGE RESOURCES AUTHORITY ON DEVELOPMENT PROPOSALS IN TERMS OF SECTION 41 OF THE KZN AMAFA & RESEARCH INSTITUTE ACT (5 OF 2018) AND THE NATIONAL HERITAGE RESOURCES ACT (SECTION 38). Please detach from the form before submission

NOTE: The provisions of s38 of the NHRA have been incorporated verbatim into s41 of the **KZN AMAFA & RESEARCH INSTITUTE ACT (5 OF 2018)**.

APPLICATION FORMS

All applications must be made on the relevant official application form and must be accompanied by the relevant supporting documentation.

- A. DEVELOPMENT DETAILS:** Describe the proposed development and motivate and motivate the need and desirability for such a development. Details must be given of the work to be carried out – do not merely refer to the documents submitted.
- B. PROPERTY:** Include the name of the development where applicable. The FARM NAME is the key information and is used as a tracking device in the filing system. Where development is in an urban area the street address is key and if several street numbers apply to the site, all the numbers must be included.

GPS CO-ORDINATES: The KZN Amafa and Research Institute only accepts GPS coordinates in decimal format. Other formats may be provided in addition to the decimal format but not to the exclusion of the decimal format.

- C. DEVELOPMENT TYPE:** development applications are made either in terms of: s41(1) – check the list under C 1 – or s41(8) – check the list under C 2.
- D. HERITAGE RESOURCES:** Identify any heritage resources uncovered through initial scoping or through the Heritage Impact Assessment. Create a site on the step/page 1 of the application on sahris and pinpoint the positions of the resources on the google map provided. When heritage resources have been found the Institute will require that a Heritage Impact Assessment is carried out by a practitioner registered with the Institute and accredited to carry out such assessments. When appointing the Heritage Practitioner stipulate that the HIA must be uploaded to the application on sahris and that a hard copy must be provided to the Institute.
NB: Section 39 of the KZN Amafa and Research Institute Act (5/2018) has been brought in line with the NHRA and limits the protection of traditional graves to those over 60 years of age.
- E. CONTACT DETAILS:** full contact details of all major players in the development are required.
DECLARATION: The owner must sign the form and any accompanying documentation and must consent to submissions by a third party/agent.
- F. A SUBMISSION FEE** – a service fee determined by the Council of the Institute is payable on submission of all applications. THE APPLICATION WILL NOT BE REGISTERED AS

G. PUBLIC PARTICIPATION:

WHERE GRAVES ARE PRESENT COMMUNITY CONSULTATION MUST BE CARRIED OUT AND EVERY EFFORT MADE TO LOCATE AND CONSULT THE FAMILIES OF THE DECEASED PRIOR TO SUBMISSION OF THIS APPLICATION.

The applicant will be notified of the level of public participation required and will have to bear the costs thereof. Neighbours, Ward Councillors, Traditional Leaders and Heritage Groups should be consulted in the case of demolition/destruction applications.

DOCUMENTS REQUIRED IN SUPPORT OF THIS APPLICATION

All documentation submitted is retained for record purposes and interested and affected parties may apply to view the documentation.

- 1. SUPPORTING DOCUMENTATION: Only Heritage Practitioners registered with the Institute may compile the HIA and related supporting documentation. Permits will require their overseeing the work. Where architectural drawings are required, they must be authored by SACAP registered professionals.**
- 1.1. PHOTOGRAPHS OF EXISTING FEATURES, STRUCTURE/S ARCHAEOLOGICAL REMAINS, GRAVES, ETC AND THEIR SURROUNDINGS:**
Photographs that clearly illustrate the features of the affected site relevant to the application must be submitted.
- 1.2. SITE PLAN:** The site plan must be drawn in accordance with the approved surveyor's diagram of the site and must show: scale; the north point; the erf/property/farm number of the site; the location of the site and any structures on it in relation to surrounding roads, buildings and other features; existing buildings, structures, and pools on the site (coloured grey or uncoloured); proposed work (coloured red) and buildings or portions of buildings proposed for demolition (in dotted lines); and the extent of the declared area (in the case of a proclaimed property). Heritage resources must be clearly marked on the plan.
- 1.3. KML MAP FILE AND AERIAL OR SATELLITE VIEWS OF THE SITE** that clearly illustrate the features of the affected site relevant to the application must be submitted.
- 1.4. 1:50 000 MAP OF THE SITE** that clearly illustrates the features of the affected site relevant to the application must be submitted.
- 1.5. ENVIRONMENTAL IMPACT ASSESSMENT** where required the EIA must be compiled in accordance with standards set out in regulations under the environmental legislation.
- 1.6. HERITAGE IMPACT ASSESSMENTS** must be submitted where any Heritage Resources are found. These reports must comply with the standards set out by the South African Heritage Resources Agency (go to www.sahra.org.za to download the standards) and may only be compiled by practitioners who have registered their accreditation for this work with the Institute. If the HIA is not submitted with the application, the Institute will notify the applicant of the need to submit an HIA if there is reason to believe that heritage resources will be affected by the development.
- 2. SUBMISSION OF APPLICATIONS:** Application forms can be downloaded from www.heritagekzn.co.za – look under the “Permits” tab - download forms – Form J. Electronic submissions must be uploaded to the sahris system operated by the South African Heritage Resources Agency www.sahra.org.za. The application must also be submitted in hard copy delivered to 195 Langalibalele Street, Pietermaritzburg, 3201 OR posted to Box 2685, Pietermaritzburg, 3200. In the case of a failure of the sahris system the application can be emailed to archaeology@amafapmb.co.za and bernadetp@amafapmb.co.za.

When submitting on sahris note that you must still check Section 38 under the case type and KZN – Amafa for the Provincial Heritage Resources Authority.

The applicant is the “owner” and the Assessor is the “Consultant” and the correct fields must be completed.

The Consent Letters allowing a developer to act on behalf of the owner or the Consultant to upload the case to sahris must be placed in the correct boxes which are blocked from public view.

The proof of payment must also be loaded to the designated box to prevent members of the public obtaining banking details, etc from the document.

3. **PROCESSING OF APPLICATIONS:** applications are processed in the order in which they are received, except during the December/January holiday break. The Institute will receipt the application and alert the applicant to any missing information within 2 weeks of submission. Allow 90 days for processing of complex applications as these may be submitted to external reviewers. Lobbying of external reviewers will disqualify the application. Written responses to applications will be uploaded to sahris. The application will not be responded to telephonically or via email unless the sahris system is not operating.

<p>*PLEASE NOTE: INCOMPLETE APPLICATIONS WILL NOT BE PROCESSED. Allow 90 days from the receipt of all required documentation</p>
--

4.

**PROOF OF SECOND UPLOAD ONTO SAHRIS ON 15
OCTOBER 2020**

New Tab

MyWay

Naaz Quarry | SAHRA

←

→

↻

sahris.sahra.org.za/cases/naaz-quarry

Apps

Colliery

New Tab

RSG Listen Live | RSG

Portion 0 (Remaining Extent) of the farm Thandsizwe No 16691 FT in the uMgungundlovu Magisterial District is located ±6 km North-East of Copesville. The low agricultural potential of the property called for the extension of the land use to include shale mining and the associated operation of a clay brick factory by the landowner some years ago. The development of a filling station is also proposed in the northern corner of the property (bordering the R33 provincial road). Further to this, Inzalo Crushing and Aggregates (Pty) Ltd (hereafter referred to as the "Applicant") identified the need to mine the dolerite intrusion along the western boundary of the property, and will therefore apply for a mining permit over a 4.9 ha area (see Figure 1). The proposed mining footprint extends over an undisturbed section of the property that is occasionally used for grazing.

ApplicationDate: Wednesday, September 30, 2020 - 15:23

CaselD: 15571

Applicants: Inzalo Crushing and Aggregates (Pty) Ltd

Consultants/Experts: Christine Fouche

OtherReferences:

ReferenceList:

AdditionalDocuments

1.

BID - Naaz Quarry.pdf

2.

Naaz Reg 2.2 new.pdf

3.

Appendix 1 N&D Application Form - Inzalo Crushing and Aggregates Mining Permit Application.pdf

4.

Appendix 2 - Locality Map.pdf

5.

Appendix 2 - Mine Plan.pdf

6.

Appendix 3 - Draft Site Activities Plan.pdf

7.

Appendix 4 - Copy of the Anderson HIA.pdf

8.

Appendix 5 - Lease Agreement with Landowner.pdf

9.

Appendix 6 - Appointment and resolution to Greenmined.pdf

10.

Appendix 7 - Proof of Payment.pdf

11.

Application-form-J-Developments.pdf

Back to Top

Chat (14)

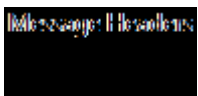
Marlene Lingenfelder

From: Mail Delivery System <MAILER-DAEMON@hostserv.co.za>
To: bernadetp@amafapmb.co.za
Sent: 15 October 2020 09:57 AM
Subject: Relayed: Naaz Quarry BID - Amafa

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

bernadetp@amafapmb.co.za

Subject: RE: Naaz Quarry BID - Amafa



5.

**PROOF OF CORRESPONDENCE WITH MR DOMINIC
WIENERS FROM EZEMVELO ON 13 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:22 AM
To: 'wienersd@kznwildlife.com'
Subject: Naaz Quarry BID - Ezemvelo
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECl site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

"the goal isn't to live forever, it is to protect a planet that will"



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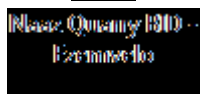
Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: wienersd@kznwildlife.com
Sent: 13 October 2020 01:21 PM
Subject: Delivered: Naaz Quarry BID - Ezemvelo

Your message has been delivered to the following recipients:

wienersd@kznwildlife.com

Subject: Naaz Quarry BID - Ezemvelo



6.

**PROOF OF CORRESPONDENCE WITH MR SIZA
SIBANDE FROM DEPARTMENT OF AGRICULTURE
AND RURAL DEVELOPMENT ON 13 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:23 AM
To: 'zakithi.mathenjwa@kzndard.gov.za'
Subject: Naaz Quarry BID - DARD
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECl site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

"the goal isn't to live forever, it is to protect a planet that will"



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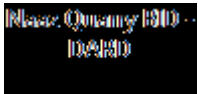
Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: zakithi.mathenjwa@kzndard.gov.za
Sent: 13 October 2020 01:22 PM
Subject: Delivered: Naaz Quarry BID - DARD

Your message has been delivered to the following recipients:

zakithi.mathenjwa@kzndard.gov.za

Subject: Naaz Quarry BID - DARD



7.

**PROOF OF CORRESPONDENCE WITH MR SHAWN
JANNEKER FROM DEPARTMENT OF ECONOMIC
DEVELOPMENT ENVIRONMENTAL AFFAIRS AND
TOURISM ON 13 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:25 AM
To: 'shaun.jenneker@kznredtea.gov.za'
Subject: Naaz Quarry BID - KZN EDTEA
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECl site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

"the goal isn't to live forever, it is to protect a planet that will"



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Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: shawn.janneker@kznedtea.gov.za
Sent: 23 October 2020 09:25 AM
Subject: Delivered: Naaz Quarry BID - KZN EDTEA

Your message has been delivered to the following recipients:

shawn.janneker@kznedtea.gov.za

Subject: FW: Naaz Quarry BID - KZN EDTEA



FW: Naaz Quarry
BID - KZN EDTEA...

Marlene Lingenfelder

From: Shawn Janneker <Shawn.Janneker@kznedtea.gov.za>
Sent: 24 October 2020 06:02 AM
To: Marlene Lingenfelder
Subject: Read: Naaz Quarry BID - KZN EDTEA
Attachments: Read: Naaz Quarry BID - KZN EDTEA

'[**width="600"]'

Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

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7.

**RESPONSE RECEIVED FROM MR SHAWN
JANNEKER FROM DEPARTMENT OF ECONOMIC
DEVELOPMENT ENVIRONMENTAL AFFAIRS AND
TOURISM ON 28 OCTOBER 2020**

Marlene Lingenfelder

From: Mavis Padayachee <Mavis.Padayachee@kznedtea.gov.za>
Sent: 28 October 2020 03:07 PM
To: Marlene Lingenfelder
Subject: FW: Emailing: BRN3C2AF4B84A0C_0000009243
Attachments: BRN3C2AF4B84A0C_0000009243.pdf

Dear Marlene

Please find attached and ack receipt

Thank you
Mavis

-----Original Message-----

From: Sphelele Makhwasa
Sent: Wednesday, 28 October 2020 14:39
To: Mavis Padayachee
Subject: Emailing: BRN3C2AF4B84A0C_0000009243

Your message is ready to be sent with the following file or link attachments:

BRN3C2AF4B84A0C_0000009243

Note: To protect against computer viruses, email programs may prevent you from sending or receiving certain types of file attachments. Check your email security settings to determine how attachments are handled.

'[**width="600"]'

'[**width="600"]'

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KWAZULU-NATAL PROVINCE

ECONOMIC DEVELOPMENT, TOURISM
AND ENVIRONMENTAL AFFAIRS
REPUBLIC OF SOUTH AFRICA

DIRECTORATE:

ENVIRONMENTAL SERVICES

Private Bag X07, Cascades, Pietermaritzburg, 3202

8 Warwick Road, Cascades, Pietermaritzburg

Tel: 033 347 1820 Fax: 033 347 1826

Enquiries: Mavis Padayachee
Imibuzo : Shawn Janneker
Navrae :

Reference : Q/2020/148/Msund
Inkomba :
Verwysing:

Date : 28 October 2020
Usuku :
Datum :

Email / Fax Transmission

Greenmined Environmental
Private Bag X 15
Somerset West
7129

Attention: Marlene Lingenfender

Email address: admin@greenmined.co.za

cc. Chris; Inzalo Crushing & Aggregates (Pty) Ltd; Email: chris@beinternational.co.za

Dear Sir/ Madam

Q/2020/148/MSUND:A GREENMINED ENVIRONMENTAL: COMMENTS ON THE PROPOSED APPLICATION FOR SECTION 27 WITH REGARDS TO THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT NO. 28 OF 2002) AND THE AMENDMENT TO THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, (ACT 107 OF 1998 NEMA) ON PORTION 0 REMAINING EXTENT OF THE FARM THANDISIZWE NO. 16691 FT IN THE UMGUNGUNDLOVU MAGISTERIAL DISTRICT.

1. The Background Information Document (BID) submitted in respect of the above-mentioned project, received by the Department on 23 October 2020, refers.
2. This Department has reviewed the BID and requires that the following issues be addressed in the Final FBAR.
3. The BID must include a detailed project description; proposed footprint, structures sizes for the offices; workshops; storage rooms; and temporary wash bay; ablution, parking; etc.
4. A filling station is also to be included to the proposed development and the FBAR need to include the cubic capacity on the dangerous good storage (underground storage and above – ground storage) as well as the listed activities for the petrol filling station (GNR 327 activity 4, and GNR 324 activity 10) in the FBAR.
5. Kindly note that in your BID document makes reference to **“the proposed mining footprint extends over an undisturbed section of the property that is occasionally used for grazing”**. Agriculture land is prime and used for agricultural purposes (food security). Therefore the applicant is required to explore all types of alternatives according to chapter one of the EIA regulations 2017.



KWAZULU-NATAL PROVINCE

**ECONOMIC DEVELOPMENT, TOURISM
AND ENVIRONMENTAL AFFAIRS**
REPUBLIC OF SOUTH AFRICA

6. Kindly include the zonation for the site.
7. The BID states that water will be bought and where will it be stored after being purchased. Water is also the main source to undertake mining operations and what quantity of water will be purchased. Will water be sourced from any other dams/watercourses?
8. The BID makes reference to generators to supply power to the mining infrastructure. Kindly specify the type of generators that will be used (i.e. petrol or diesel) as generators are loud and include mitigation measures to address the noise impact.
9. A letter from Eskom must be included in the FBAR for the supply of electricity.
10. Comments are to be included of potential Interested and Affected Parties; state department (DHWS, DARD, DUCT); District and Local Municipality; DoT; landowners, farmers association; neighbours; and; local farmers.
11. The uMgungundlovu District Environmental Management Framework (EMF) Status Report must be obtained and be to be included in the FBAR to identify sensitive areas of the site.
12. Kindly indicate how waste will be managed on site.
13. An Air Emission Licence may be required and must be obtained from the Umgungundlovu District Municipality. The contact person is Mr Brendon Rajoo, cell Number: 079 491 2148.
14. Building plan must be submitted and approved by the Umgungundlovu District Municipality.
15. A copy of the facility illustrations Layout Plan is to be incorporated into the FBAR.
16. All specialist studies should be ground truth and meet the requirements of Appendix 6 of the EIA regulations 2014 (as amended).

Yours faithfully

for: **Acting Head of Department:**

KwaZulu-Natal Department of Economic Development, Tourism and Environmental Affairs

Signed by: Ms Mavis Padayachee

Designation: Environmental Officer: Production Grade A- Impact Management

Date: 28 October 2020.

8.

**PROOF OF CORRESPONDENCE WITH MR ASHLEY
STARKEY FROM DEPARTMENT OF HUMAN
SETTLEMENTS WATER AND SANITATION ON 13
OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:26 AM
To: 'StarkeyA@dws.gov.za'; 'MsaneB@dws.gov.za'; 'DladlaL@dws.gov.za'; 'GweleY@dws.gov.za'; 'DladlaL@dws.gov.za'
Subject: Naaz Quarry BID - DWS
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECl site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

"the goal isn't to live forever, it is to protect a planet that will"



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Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: StarkeyA@dws.gov.za; MsaneB@dws.gov.za; DladlaL@dws.gov.za;
GweleY@dws.gov.za
Sent: 13 October 2020 01:25 PM
Subject: Delivered: Naaz Quarry BID - DWS

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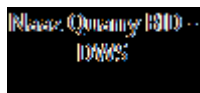
StarkeyA@dws.gov.za

MsaneB@dws.gov.za

DladlaL@dws.gov.za

GweleY@dws.gov.za

Subject: Naaz Quarry BID - DWS



9.

**PROOF OF CORRESPONDENCE WITH MISS
SIMANGO NGUBO FROM DEPARTMENT OF
TRANSPORT ON 13 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:27 AM
To: 'sbusiso.gumbi@kzntransport.gov.za'
Subject: Naaz Quarry BID - Transport
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECl site
Baker Square, Paardevelei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

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Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: sbusiso.gumbi@kzntransport.gov.za
Sent: 13 October 2020 01:26 PM
Subject: Delivered: Naaz Quarry BID - Transport

Your message has been delivered to the following recipients:

sbusiso.gumbi@kzntransport.gov.za

Subject: Naaz Quarry BID - Transport



Naaz Quarry BID -
Transport

10.

**PROOF OF CORRESPONDENCE WITH ME T
KUNENE FROM DEPARTMENT OF LABOUR ON 13
OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:28 AM
To: 'thabile.kunene@labour.gov.za'
Subject: Naaz Quarry BID - DOL
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECl site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

"the goal isn't to live forever, it is to protect a planet that will"



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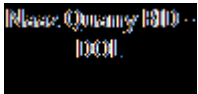
Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: thabile.kunene@labour.gov.za
Sent: 13 October 2020 01:27 PM
Subject: Delivered: Naaz Quarry BID - DOL

Your message has been delivered to the following recipients:

thabile.kunene@labour.gov.za

Subject: Naaz Quarry BID - DOL



11.

**PROOF OF CORRESPONDENCE WITH MR TROY
GOVENDOR FROM ESKOM ON 13 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:30 AM
To: 'troy.govendor@eskom.co.za'
Subject: Naaz Quarry BID - Eskom
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECl site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

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12.

**PROOF OF CORRESPONDENCE WITH THE
DIRECTOR GENERAL FROM NATIONAL
DEPARTMENT OF AGRICULTURE LAND REFORM
AND RURAL DEVELOPMENT ON 13 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:31 AM
To: 'ea.dg@dalrrd.gov.za'
Subject: Naaz Quarry BID - DALRRD
Attachments: Regulation 2(2) Mine Plan.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECI site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

"the goal isn't to live forever, it is to protect a planet that will"



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13.

**PROOF THAT THE BID WAS LOADED ONTO THE
SAHRIS WEBSITE OF THE SOUTH AFRICAN
HERITAGE RESOURCE AGENCY ON 30
SEPTEMBER 2020**

New Tab

MyDashboard | SAHRA

Naaz Quarry | SAHRA

sahris.sahra.org.za/cases/naaz-quarry

RSG Listen Live | RSG

Collivory

Add new comment

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CaseHeader

LocationInfo

Admin

Status: SUBMITTED

HeritageAuthority(s): Amafa

Case Type: Section 38 (8) - Statutory Comment Required

Development Type: Mining

ProposalDescription:

Portion 0 (Remaining Extent) of the farm Thandisizwe No 16691 FT in the uMgungundlovu Magisterial District is located ±6 km North-East of Copesville. The low agricultural potential of the property called for the extension of the land use to include shale mining and the associated operation of a clay brick factory by the landowner some years ago. The development of a filling station is also proposed in the northern corner of the property (bordering the R33 provincial road). Further to this, Inzalo Crushing and Aggregates (Pty) Ltd (hereafter referred to as the "Applicant") identified the need to mine the dolerite intrusion along the western boundary of the property, and will therefore apply for a mining permit over a 4.9 ha area (see Figure 1). The proposed mining footprint extends over an undisturbed section of the property that is occasionally used for grazing.

ApplicationDate: Wednesday, September 30, 2020 - 15:23

CaseID: 15571

Applicants: Inzalo Crushing and Aggregates (Pty) Ltd

Consultants/Experts: Christine Fouche

OtherReferences:

ReferenceList:

AdditionalDocuments

- N&D Application Form - Inzalo Crushing and Aggregates Mining Permit Application.pdf
- N&D Appendix 2 - Mine Plan.pdf
- N&D Appendix 3 - Proof of Payment.pdf
- N&D Appendix 4 - Copy of the Anderson HIA.pdf
- BID - Naaz Quarry.pdf
- Naaz Reg 2.2 new.pdf

NOTIFICATION OF OWNERS AND NEIGHBOURS

	Organisation	Name
14.	Nurden Oliver Wyndham (Tenant)	Mr Ted Hesom
15.	Skhuma Skins of Africa CC	The Directors
16.	Nanxing Bricks & Tiles (Pty) Ltd	Mr David Trevor
17.	Alzura Inv CC Sansha Investments CC	Mr Sunjeev Singh
18.	Greenville Trading 6 CC	Mr Andile Buthelezi
19	Mr Tom Lam Care of Mr Magnus van Rooyen	Mr Tom Lam
20.	Mrs Nirmala Singh	Mrs Nirmala Singh
21.	Mr Oliver Nurden	Nurden Oliver Wyndham

14.

**PROOF OF CORRESPONDENCE WITH MR TED
HESOM FROM NURDEN OLIVER WYNDHAM ON 13
OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:32 AM
To: 'ted@edelnet.co.za'
Subject: Naaz Quarry BID - Ted Hesom
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECI site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

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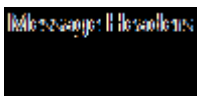
Marlene Lingenfelder

From: Mail Delivery System <MAILER-DAEMON@hostserv.co.za>
To: ted@edelnet.co.za
Sent: 13 October 2020 01:31 PM
Subject: Relayed: Naaz Quarry BID - Ted Hesom

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

ted@edelnet.co.za

Subject: Naaz Quarry BID - Ted Hesom



15.

**PROOF OF CORRESPONDENCE WITH THE
DIRECTORS FROM SKHUMA SKINS OF AFRICA CC
ON 13 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:34 AM
To: 'info@skumbaskins.co.za'
Subject: Naaz Quarry BID - Skhuma Skins of Africa CC
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECl site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

Suite 62, Private Bag x15
Somerset West, 7129

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16.

**PROOF OF CORRESPONDENCE WITH MR DAVID
TREVOR FROM NANXING BRICKS & TILES (PTY)
LTD ON 13 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:39 AM
To: 'nxbrics@live.co.za'
Subject: Naaz Quarry BID - David Trevor
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECI site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

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Somerset West, 7129

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17.

**PROOF OF CORRESPONDENCE WITH MR SUNJEEV
SINGH FROM ALZURA INV CC & SANSHA
INVESTMENTS CC ON 13 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:40 AM
To: 'sales@zivargroup.co.za'; 'caspecowindows@webmail.co.za'
Subject: Naaz Quarry BID - Alzura Inv CC
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECl site
Baker Square, Paardevlei
De Beers Avenue
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Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: caspecowindows@webmail.co.za
Sent: 13 October 2020 01:42 PM
Subject: Delivered: Naaz Quarry BID - Alzura Inv CC

Your message has been delivered to the following recipients:

caspecowindows@webmail.co.za

Subject: Naaz Quarry BID - Alzura Inv CC



Naaz Quarry BID -
Alzura Inv CC...

Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: sales@zivargroup.co.za
Sent: 13 October 2020 01:39 PM
Subject: Delivered: Naaz Quarry BID - Alzura Inv CC

Your message has been delivered to the following recipients:

sales@zivargroup.co.za

Subject: Naaz Quarry BID - Alzura Inv CC



Naaz Quarry BID -
Alzura Inv CC...

Marlene Lingenfelder

From: Sales <sales@zivargroup.co.za>
To: Marlene Lingenfelder
Sent: 13 October 2020 02:10 PM
Subject: Read: Naaz Quarry BID - Alzura Inv CC

Your message

To:
Subject: Read: Naaz Quarry BID - Alzura Inv CC
Sent: 13 October 2020 02:10:31 PM (UTC+02:00) Harare, Pretoria

was read on 13 October 2020 02:09:38 PM (UTC+02:00) Harare, Pretoria.

18.

**PROOF OF CORRESPONDENCE WITH MR ANDILE
BUTHELEZI FROM GREENVILLE TRADING 6 CC ON
13 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 13 October 2020 01:42 AM
To: 'abuthlezi@mweb.co.za'
Subject: Naaz Quarry BID - Greenville Trading 6 CC
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECI site
Baker Square, Paardevlei
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Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: abuthelezi@mweb.co.za
Sent: 13 October 2020 01:41 PM
Subject: Delivered: Naaz Quarry BID - Greenville Trading 6 CC

Your message has been delivered to the following recipients:

abuthelezi@mweb.co.za

Subject: Naaz Quarry BID - Greenville Trading 6 CC



Naaz Quarry BID -
Greenville Trading 6 CC

19.

**PROOF OF CORRESPONDENCE WITH MR TOM LAM
ON 19 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 18 October 2020 09:37 PM
To: 'lamtom@qq.com'
Subject: Naaz Quarry BID - Tom Lam
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECI site
Baker Square, Paardevlei
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Somerset West, 7129

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Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: lamtom@qq.com
Sent: 19 October 2020 09:35 AM
Subject: Delivered: Naaz Quarry BID - Tom Lam

Your message has been delivered to the following recipients:

lantom@qq.com

Subject: Naaz Quarry BID - Tom Lam



Naaz Quarry BID -
Tom Lam

19.

**RESPONSE RECEIVED FROM MR MAGNUS VAN
ROOYEN ACTING ON BEHALF OF MR TOM LAM ON
10 NOVEMBER 2020**

Date: Tue, Nov 10, 2020 19:21 PM

To: "admin"<admin@greenmined.co.za>;

Cc: "Murchellin Saal"<Murchellin.S@greenmined.co.za>; "Tom Lam"<lamtom@qq.com>;

Subject: Registration of Interested and Affected Party - Mining Permit Application on Portion 0 (Remaining Extent of the Farm Thandisizwe No 16691 FT

Good evening Marlene,

Please receive this email as the registration of myself, Magnus van Rooyen, as a representative of Mr Tom Lam who is a direct neighbour of the Mining Permit Application Area.

I will represent Mr Lam (cc-ed herein) with regards to the Mining Permit Application as well as the required Application for Environmental Authorisation and associated Water Use Licence.

If you require any information from myself or Mr Lam, please feel free to contact me.

Acknowledgement of receipt of this email as well as our registration as Interested and Affected Parties will be greatly appreciated.

All the best,

Magnus van Rooyen

19.

**RESPONSE SEND TO MR MAGNUS VAN ROOYEN
ACTING ON BEHALF OF MR TOM LAM ON 11
NOVEMBER 2020**

Marlene Lingenfelder

From: Christine Fouche
Sent: 11 November 2020 07:45 AM
To: magnusvanrooyen76
Cc: Tom Lam; Marlene Lingenfelder; Murchellin Saal
Subject: RE: Registration of Interested and Affected Party - Mining Permit Application on Portion 0 (Remaining Extent of the Farm Thandisizwe No 16691 FT)

Dear Sir

Greenmined herewith acknowledge receipt of your correspondence received 11 November 2020 on the mining permit application on Portion 0 (Remaining Extent) of the farm Thandisizwe No 16691 as submitted by Inzalo Crushing and Aggregates (Pty) Ltd.

We registered Mr Lam (care of yourself) as an Interested and Affected Party on the project, and will henceforth keep you posted on the progress of the Environmental Impact Assessment (EIA) and Water Use Authorisation Application process, as well as supply you with an opportunity to comment on the draft basic assessment report that will follow in due course.

We trust you will find this in order. Please do not hesitate to contact me in the event of any uncertainties.

Kind Regards / Vriendelike Groete

Christine Fouche

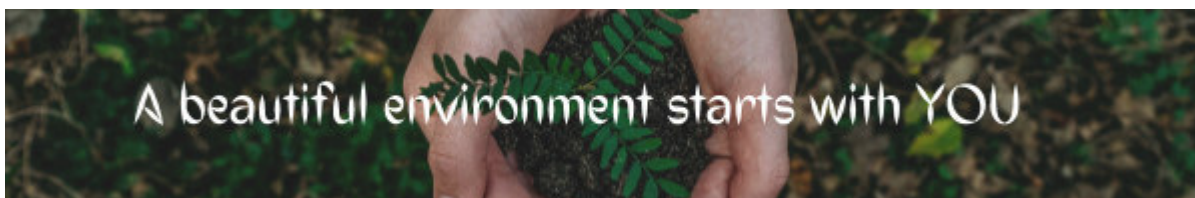


Cell: 082 811 8514
Fax: 086 546 0579
www.greenmined.com

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37 Baker Square, Block 1, Paardevlei
De Beers Avenue
Somerset West
7130
Tel: 021 851 2673

KwaZulu-Natal Branch:
P.O. Box 377
Ballito
4420

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From: Tom Lam [<mailto:lamtom@qq.com>]
Sent: Tuesday, 10 November 2020 19:51
To: Christine Fouche <Christine.F@greenmined.co.za>
Cc: magnusvanrooyen76 <magnusvanrooyen76@gmail.com>
Subject: Fw: Registration of Interested and Affected Party - Mining Permit Application on Portion 0 (Remaining Extent of the Farm Thandisizwe No 16691 FT)

---Original---

From: "Magnus van Rooyen" <magnusvanrooyen76@gmail.com>

19.

**ADDITIONAL RESPONSE RECEIVED FROM MR
MAGNUS VAN ROOYEN ACTING ON BEHALF OF
MR TOM LAM ON 11 NOVEMBER 2020**

Marlene Lingenfelder

From: Magnus van Rooyen <magnusvanrooyen76@gmail.com>
Sent: 11 November 2020 12:39 PM
To: Christine Fouche
Cc: Tom Lam; Marlene Lingenfelder; Murchellin Saal
Subject: Re: Registration of Interested and Affected Party - Mining Permit Application on Portion 0 (Remaining Extent of the Farm Thandisizwe No 16691 FT

Hi Christine,

Many thanks for the confirmation.

As a first query from our side, can you please confirm if any blasting will take place during the mining operations associated with the Mining Permit and if so, what mitigation measures will be put in place to monitor/prevent/repair any potential structural damage to my client's factory and associated buildings.

Similarly, is an upgrade planned for the intersection between the access road from the Mining Permit Area and the Greytown Road?

Your feedback in this regard will be highly appreciated.

All the best,

Magnus

On Wed, Nov 11, 2020 at 7:45 AM Christine Fouche <Christine.F@greenmined.co.za> wrote:

Dear Sir

Greenmined herewith acknowledge receipt of your correspondence received 11 November 2020 on the mining permit application on Portion 0 (Remaining Extent) of the farm Thandisizwe No 16691 as submitted by Inzalo Crushing and Aggregates (Pty) Ltd.

We registered Mr Lam (care of yourself) as an Interested and Affected Party on the project, and will henceforth keep you posted on the progress of the Environmental Impact Assessment (EIA) and Water Use Authorisation Application process, as well as supply you with an opportunity to comment on the draft basic assessment report that will follow in due course.

We trust you will find this in order. Please do not hesitate to contact me in the event of any uncertainties.

Kind Regards / Vriendelike Groete

Christine Fouche

19.

**RESPONSE SEND TO MR MAGNUS VAN ROOYEN
ACTING ON BEHALF OF MR TOM LAM ON 16
NOVEMBER 2020**

Marlene Lingenfelder

From: Christine Fouche
Sent: 16 November 2020 01:45 PM
To: Magnus van Rooyen
Cc: Tom Lam; Marlene Lingenfelder
Subject: RE: Registration of Interested and Affected Party - Mining Permit Application on Portion 0 (Remaining Extent of the Farm Thandisizwe No 16691 FT)

Dear Sir

The email received 11 November has reference.

1. The proposed mining method does include blasting. The mitigation measures will be elaborated on in the draft basic assessment report that will follow shortly, and that will be available for your perusal and commenting, but thus far I can confirm that:
 - Before blasting, the structural integrity of the infrastructure near the proposed mining footprint will be determined;
 - Blasting will be done in accordance with the USBM standards and measures will be implemented to limit flyrock;
 - During a blast, vibration measuring equipment (seismograph) will be placed at the brick factory to measure the ground vibrations that extends from the quarry. Should the vibration testing indicated excessively high readings the blasting at the quarry will be amended to lower the impact. Any structural damage, that resulted as a direct cause of the mining at the quarry, will be repaired at the cost of the Applicant.
 - Mr Lam will be notified in advance of each blasting.
2. The permit holder will maintain the access (gravel) road to the quarry that turns onto the farm from the Greyton road (R33). Upon closure of the quarry the road will be left in a condition that will at least represent the pre-mining status.

Please do not hesitate to contact me in the event of any uncertainties.

Kind Regards / Vriendelike Groete

Christine Fouche

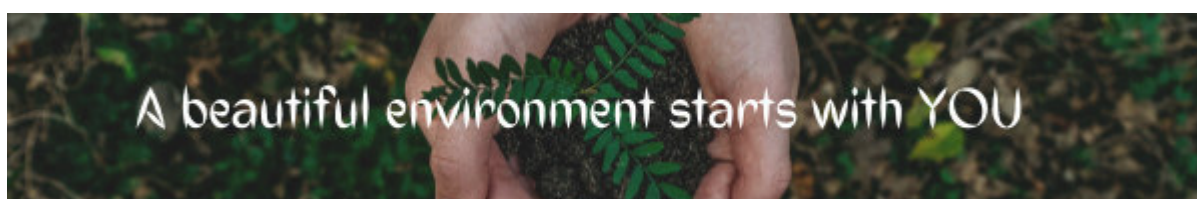


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Fax: 086 546 0579
www.greenmined.com

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7130
Tel: 021 851 2673

KwaZulu-Natal Branch:
P.O. Box 377
Ballito
4420

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20.

**PROOF OF CORRESPONDENCE WITH MRS
NIRMALA SINGH ON 19 OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 18 October 2020 09:38 PM
To: 'nidhis2507@gmail.com'
Subject: Naaz Quarry BID - Nirmala Singh
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECl site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
7130

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Somerset West, 7129

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Marlene Lingenfelder

From: Mail Delivery System <Mailer-Daemon@smtpcorp.com>
To: nidhis2507@gmail.com
Sent: 19 October 2020 09:36 AM
Subject: Delivered: Naaz Quarry BID - Nirmala Singh

Your message has been delivered to the following recipients:

nidhis2507@gmail.com

Subject: Naaz Quarry BID - Nirmala Singh



Naaz Quarry BID -
Nirmala Singh...

21.

**PROOF OF CORRESPONDENCE WITH MR OLIVER
NURDEN FROM NURDEN OLIVER WYNDHAM ON 22
OCTOBER 2020**

Marlene Lingenfelder

From: Marlene Lingenfelder
Sent: 21 October 2020 09:39 PM
To: 'nurdenuoliver@icloud.com'
Subject: Naaz Quarry BID - Mr Oliver Nurden
Attachments: Regulation 2(2) Mine Plan.pdf; BID - Naaz Quarry.pdf

Good day,

Please find attached hereto correspondence for your attention.

Kind Regards/Vriendelike Groete

Marlene Lingenfelder
Project Administrator



Tel: 021 851 2673
Cell: 067 417 2654
Fax: 086 546 0579

Unit MO1, No 36 AECI site
Baker Square, Paardevlei
De Beers Avenue
Somerset West
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Suite 62, Private Bag x15
Somerset West, 7129

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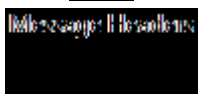
Marlene Lingenfelder

From: Mail Delivery System <MAILER-DAEMON@ms11p00im-qufv17080701.me.com>
To: nurdenoliver@icloud.com
Sent: 22 October 2020 09:38 AM
Subject: Delivered: Naaz Quarry BID - Mr Oliver Nurden

Your message has been delivered to the following recipients:

nurdenoliver@icloud.com

Subject: Naaz Quarry BID - Mr Oliver Nurden



**ADVERTISEMENT PLACED IN THE ILANGA
NEWSPAPER ON 12 OCTOBER 2020**

2160

Herbalists

BABA PHOTHO
NGU-NOXOLO CELE
e-Mpangeni ngangisebenz a kaTOYOTA nguSupervi sor iminyaka ewu30 kodw a ngingena lutho ngikwele ta yonke indawo ngelinye ilanga ngafonelwa uSisi wami engitshena ngo **Baba PHOTHO** emncoma ethi uyasiza bengingathe mbi ngoba sekusho uSisi wami ohlala ePortshepsto ne. u-Nelisiwe Cele ngaga la ngamfonela uBaba **PHOTHO** wathi angikhiph e inkanyiso ka**R100** emva kwalokho ngamusendela number zami zase Bank kwangena R24Million ebh ange lami ngiyabonga **BABA PHOTHO** mphakat hi waseMzansi ningamoshi isikhathi ngokusebenza fonela. **081 267 3551** nibone isimanga uBaba usiza ngemali engena e bhange,abafana abafisha ne abayiletha endlini **NOKUNYE OKUNINGI** Fonela uBaba **PHOTHO** kule number **081 267 3551**

Sabelo - Empangeni
Ngiyabonga kuwe **Baba Mbatha** ngabe ngiyini nga phandle kwakho,Ngangise benzela umulungu iminyak a engu 28 ngingakwazi uk ondl a ingane zami,kodwa phambi kokudibana **BABA MBATHA** wangikhipha ek uhluphekeni. ngenkanyiso **R100** wangipha imali enga ngo R80million. nengane zami sinamaBusiness sonke umuntu ufuna usizo fonela:**BABA MBATHA** uvuke umuzi wakho *Imali ingena eBank *Imali esheshayo *Abafana bomoya nama gundane alanda imali **NOKUNYE OKUNINGI** **BABA MBATHA** **084 425 6552**

2160

Herbalists

NguSindi Ngubane
eThekwini inumber yami **073 171 6613**. ngangisebe nza ka-SABC nguSupervi sor minyaka ewu30 kodwa ngingena lutho ngikweleta yonke indawo. Ngelinye ilanga ngabona uPhumzile waseMpumalanga encoma u**BABA ABRAM** kwiph ephandaba ILANGA. ngay ithatha inumber ngayifone la wathi ukhanyisa **R100**. Ngangamthemba uBaba ukuthi u**R100** Kuphela ungashintsha impilo yami ngamfakela imali **ka-PEP** wathi angimnike iminining wane yami. **HAIBO!!** Ngabona isiman ga emini ilanga libalele kwangena uR80million ebhange lami Ngiyabonga **BABA ABRAM** mphak athi wase-Mzansi ningamo shi isikhathi ngokusebenza Fonela u**BABA** ku **078 055 7808** nibone isim nga nani. uBABA usiza ngemali engena ebhange. Amakati aletha imali endli ni, notokoloshe. **Nokunye Okuningi** Fonela UBABA KU **078 055 7808**

TRUE! TESTIMONY
Ngelinye ilanga ngabona Zama encoma u**BABA JALI** kwiphephandaba ILANGA.ngayithatha inum ber ngayifonela wathi ukha nyisa **R100**.Ngangamthem ba uBaba ukuthi u**R100** Kuphela ungashintsha imp ilo yami ngamfakela imali **ka-PEP** wathi angimnike imininingwane yami. **HAIBO!!**Ngabona isimang a emini ilanga libalele kwa ngena uR80million ebhan ge lami Fonela u**BABA** ku **071 2421 284** nibone isim anga nani. uBABA usiza ngemali engena ebhange. Amakati aletha imali endli ni, notokoloshe. **Nokunye Okuningi** Fonela UBABA KU **071 2421 284**


2160

Herbalists

uZonke eManzimtoti
Ngiyabonga kuwe Mama Aisha ngabe ngiyini ngap handle kwakho,Ngangise benzela umulungu imin yaka engu 28 ngingakwa zi ukondla ingane zami, kodwa phambi kokudiba na **Mama AISHA** wangikh hipha ekuhluphekeni. nge nkanyiso ka**R100** wangip ha imali engango R80million.Mina nengane zami sinamaBusiness wonke umuntu ufuna usizo fonela:**UMAMA AISHA** uvuke umuzi wakho (i) Imali ingena eBank (ii) Imali esheshayo (iii)Abafana bomoya nama gundane alanda imali **NOKUNYE OKUNINGI** **FONELA UMAMA AISHA** **078 027 0740**

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**THE MSUNDUZI MUNICIPALITY**

TENDER NOTICE
SUPPLIES AND SERVICES CONTRACT NO.22 OF 2020 SECTION 2

OUTRIGHT PURCHASE FOR THE MANUFACTURING, SUPPLY AND DELIVERY OF CONCRETE STREET LITTER BINS
The Msunduzi Municipality hereby invites tenders for Manufacture, Supply and Delivery of Concrete street litter bins. Tender documents will be made available to tenderers from **12h00 on Thursday, 15 October 2020**. Tender documents can be downloaded and printed at the tenderer's cost from the National Treasury eTender Publication Portal on www.etenders.gov.za. Printed copies of the tender documents shall also be available from the **Supply Chain Management Unit Offices, 5th Floor, A S Chetty Centre, 333 Church Street, Pietermaritzburg**, as from the abovementioned date and time, at a non-refundable tender deposit fee of **R226.55 (including VAT)** for each document drawn. Only cash, bank guaranteed cheques or EFT payments will be accepted. A copy of the Tender Deposit Receipt must be attached to the tender document (if purchased at the Municipality). For any technical related enquiries, please contact Wilson Mhlongo (Community Services) on direct Telephone No. 033-392-5359 or e-mail address wilson.mhlongo@msunduzi.gov.za. For any procurement related enquiries, please contact Phiwe Mthlane (Supply Chain Management Unit) on direct Telephone No. 033 – 392 2486 or e-mail address phiwe.mthlane@msunduzi.gov.za. Tenders must be submitted both in hard copy and on a CD/USB Flash Drive contained in sealed envelopes and marked with “**Contract No. SS No. 22 of 2020 section2**” and the Contract Description must be placed in the Tender Box located in the **Foyer, Ground Floor, City Hall, 169 Chief Albert Luthuli Street (Commercial Road), Pietermaritzburg**, not later than **12h00, on 18 November 2020**, when they will be publicly opened. Only tenders placed in the Tender Box shall be accepted. **Tender Validity Period:** Four (4) months commencing from the closing date of tender. **Tender Adjudication/Evaluation Criteria:** The tender shall be evaluated on a Two Stage Evaluation System – Stage One: Functionality and Stage Two: **80/20** Preference Point System in accordance with the Preferential Procurement Regulations 2017, issued in terms of section 5 of the Preferential Procurement Policy Framework Act, Act No. 5 of 2000. The Functionality for Stage One shall be evaluated on the following criteria:- The Msunduzi Municipality does not bind itself to accept the lowest or any tender and reserves the right to accept the whole or any part of a tender. Each tenderer will be informed of the tender result. The Msunduzi Municipality expects businesses within the Pietermaritzburg and Midlands Region to support its contract and BEE/SMME initiatives. **MR M KHATHIDE (CITY MANAGER)**

**THE MSUNDUZI MUNICIPALITY**

TENDER NOTICE
SUPPLIES AND SERVICES CONTRACT NO.22 OF 2020 SECTION 3

OUTRIGHT PURCHASE FOR THE MANUFACTURING, SUPPLY AND DELIVERY OF BULK REFUSE COLLECTION CONTAINERS
The Msunduzi Municipality hereby invites tenders for the manufacture, supply and delivery of bulk refuse containers (**25M3, 15M3 and 8 M3**). Tender documents will be made available to tenderers from **12h00 on Thursday, 15 October 2020**. Tender documents can be downloaded and printed at the tenderer's cost from the National Treasury eTender Publication Portal on www.etenders.gov.za. Printed copies of the tender documents shall also be available from the **Supply Chain Management Unit Offices, 5th Floor, A S Chetty Centre, 333 Church Street, Pietermaritzburg**, as from the abovementioned date and time, at a non-refundable tender deposit fee of **R568.10 (including VAT)** for each document drawn. Only cash, bank guaranteed cheques or EFT payments will be accepted. A copy of the Tender Deposit Receipt must be attached to the tender document (if purchased at the Municipality). For any technical related enquiries, please contact Wilson Mhlongo (Community Services) on direct Telephone No. 033-392-5359 or e-mail address wilson.mhlongo@msunduzi.gov.za. For any procurement related enquiries, please contact Phiwe Mthlane (Supply Chain Management Unit) on direct Telephone No. 033 – 392 2486 or e-mail address phiwe.mthlane@msunduzi.gov.za. A compulsory Tender Briefing Meeting for the above project will be held at **10h00** prompt on **Wednesday, 04 November 2020, at No.150 Mayors Walk, City Engineers Building, Pietermaritzburg, 3201**. Only one Tender Briefing Meeting will be held. Tenderers arriving at the meeting after the stipulated starting time will be disqualified. Further, all Tenderers attending the meeting must be in possession of a Tender Document failing which the Tenderer shall be disqualified. Tenderers producing only the Tender Briefing Certificate at the meeting will not be considered. Only one representative per Company or Consortium will be allowed to attend the above meeting. Tenders must be submitted both in hard copy and on a CD/USB Flash Drive contained in sealed envelopes and marked with “**Contract No. SS No. 22 of 2020 section3**” and the Contract Description must be placed in the Tender Box located in the **Foyer, Ground Floor, City Hall, 169 Chief Albert Luthuli Street (Commercial Road), Pietermaritzburg**, not later than **12h00, on 18 November 2020**, when they will be publicly opened. Only tenders placed in the Tender Box shall be accepted. **Tender Validity Period:** Four (4) months commencing from the closing date of tender. **Tender Adjudication/Evaluation Criteria:** The tender shall be evaluated on a Two Stage Evaluation System – Stage One: Functionality and Stage Two: **80/20** Preference Point System in accordance with the Preferential Procurement Regulations 2017, issued in terms of section 5 of the Preferential Procurement Policy Framework Act, Act No. 5 of 2000. The Functionality for Stage One shall be evaluated on the following criteria:- The Msunduzi Municipality does not bind itself to accept the lowest or any tender and reserves the right to accept the whole or any part of a tender. Each tenderer will be informed of the tender result. The Msunduzi Municipality expects businesses within the Pietermaritzburg and Midlands Region to support its contract and BEE/SMME initiatives. **MR M KHATHIDE (CITY MANAGER)**

NOTICE OF MINING PERMIT APPLICATION

Notice is hereby given in terms of Section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002) and the National Environmental Management Act, 1998 (act 107 of 1998 NEMA) as well as the Environmental Impact Assessment Regulations 2014 (as amended 2017) that Inzalo Crushing and Aggregates (Pty) Ltd (“Applicant”) intends applying for:

- environmental authorization to mine dolerite from a portion of Portion 0 (Remaining Extent) of the farm Thandisizwe No 16691 in the uMgungundlovu magisterial district of KZN.
- a mining permit in terms of Section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002) to the Department of Mineral Resources.
- a general-/water use authorisation in terms of the National Water Act, 1998 (Act No 36 of 1998) (if required).

The proposed mining footprint will be 4.9 ha and will be developed over an undisturbed area of the farm occasionally used for grazing. The mining method will makes use of blasting in order to loosen the hard rock; the material will then be loaded and hauled to the crushing plant where it will be screened to various sized stockpiles. The aggregate will be stockpiled until it is transported from site using tipper trucks. All mining related activities will be contained within the approved mining permit boundaries. The proposed project could trigger the following listed activities in terms of NEMA, 1998 and the EIA Regulations 2014 (as amended 2017) and will therefore require a basic assessment process to obtain environmental authorization:

- **GNR 327 Listing Notice 1 of 2017 Activity 12:** The development of—
 - (i) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs—
 - (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;
- **GNR 327 Listing Notice 1 of 2017 Activity 21:** Any activity including the operation of that activity which requires a mining permit in terms of section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002), including –
 - a) associated infrastructure, structures and earthworks, directly related to the extraction of a mineral resource; or
 - b) the primary processing of a mineral resource including winning, extraction, classifying, concentrating, crushing, screening or washing, but excluding the secondary processing of a mineral resource, including the smelting, beneficiation, reduction, refining, calcining or gasification of the mineral resource in which case activity 6 in Listing Notice 2 applies.
- **GNR 327 Listing Notice 1 of 2017 Activity 22:** The decommissioning of any activity requiring –
 - i) a closure certificate in terms of section 43 of the Mineral and Petroleum Resources Development Act, 2002 (act No. 28 of 2002); or
 - ii) a prospecting right, mining right, mining permit, production right or exploration right, where the throughput of the activity has reduced by 90% or more over a period of 5 years excluding where the competent authority has in writing agreed that such reduction in throughput does not constitute closure.
- **GNR 327 Listing Notice 1 of 2017 Activity 27:** The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for—
 - (i) the undertaking of a linear activity; or
 - (ii) maintenance purposes undertaken in accordance with a maintenance management plan.
- **GNR 327 Listing Notice 1 of 2017 Activity 28:** Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development:
 - (i) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare; excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes.
- **GNR 324 Listing Notice 3 of 2017 Activity 12:** The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan. d. KwaZulu-Natal v. Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;
- **GNR 324 Listing Notice 3 of 2017 Activity 14:** The development of—
 - (i) infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs—
 - (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; —excluding the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour; d. KwaZulu-Natal vii. Critical biodiversity areas or ecological support areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;

Interested and Affected Parties (I&AP's) are invited to provide written comments. I&AP's must provide their comments with their name and contact details to the environmental consultant indicated below by 13 November 2020. Should you require the documentation in another language or need additional information please contact Greenmined Environmental (Pty) Ltd.

A register of I&AP's that submitted written comments or requested to be registered will be opened. All organs of state which have jurisdiction in respect of the activity will also be listed on the register. Please note that only registered I&AP's will be entitled to comment on reports and plans to be submitted to the Department, provided that the party provides its name, contact details and address and discloses any direct business, financial, personal or other interest which the party may have in the approval or refusal of the application. The Draft Basic Assessment Report (DBAR) will be made available to the public for a 30 days review period. An electronic copy of the report will be published on the Greenmined Environmental website (www.greenmined.com). All registered I&AP's and stakeholders will be notified of the commenting period in advance as above.

The DBAR will then be updated to reflect the comments received during the public commenting period. Thereafter, the Final Basic Assessment Report (FBAR) will be submitted to DMR for its consideration as part of the authorization process in terms of the NEMA, 2014 regulations (as amended 2017). A copy of the FBAR will be made available on the Greenmined Environmental website. All registered I&AP's and stakeholders will be notified in writing within 14 days of the date of the decision of the outcome of the application, including the reasons for the decision and the right of appeal.

Environmental Consultant & Contact Person:
Greenmined Environmental
Christine Fouché
Postnet Suite 62
Private Bag X15
Somerset West
7129
Tel: 021 851 2673
Fax: 086 546 0579
Cell: 082 811 8514
E-mail: christine.f@greenmined.co.za

Applicant:
Inzalo Crushing and Aggregates (Pty) Ltd
P.O. Box 26730
East Rand
Kempton Park
1463
Tel: 011 966 4300
E-mail: chris@beinternational.co.za

106268

**SITE NOTICE PLACED AT THE TURN-OFF FROM
THE R33 ONTO THE ACCESS ROAD TO THE FARM
THANDISIZWE ON 1 OCTOBER 2020**

NOTICE OF MINING PERMIT APPLICATION

Notice is hereby given in terms of Section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002) and the National Environmental Management Act, 1998 (act 107 of 1998 NEMA) as well as the Environmental Impact Assessment Regulations 2014 (as amended 2017) that Inzalo Crushing and Aggregates (Pty) Ltd ("Applicant") intends applying for:

- environmental authorization to mine dolerite from a portion of Portion 0 (Remaining Extent) of the farm Thandisizwe No 16691 situated in the uMgungundlovu magisterial district of KwaZulu-Natal Province.
- a mining permit in terms of Section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002) to the Department of Mineral Resources.
- a general-water use authorisation in terms of the National Water Act, 1998 (Act No 36 of 1998) (whichever required by DWS).

The proposed mining footprint will be 4.9 ha and will be developed over an undisturbed area of the farm occasionally used for grazing. The mining method will make use of blasting in order to loosen the hard rock; the material will then be loaded and hauled to the crushing plant where it will be screened to various sized stockpiles. The aggregate will be stockpiled until it is transported from site using tipper trucks. All mining related activities will be contained within the approved mining permit boundaries. The proposed project could trigger the following listed activities in terms of NEMA, 1998 and the EIA Regulations 2014 (as amended 2017) and will therefore require a basic assessment process to obtain environmental authorization:

• **GNR 327 Listing Notice 1 of 2017 Activity 12:**

The development of—

- (i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or
- (ii) **infrastructure or structures with a physical footprint of 100 square metres or more;**

where such development occurs—

- a) within a watercourse;
- (b) in front of a development setback; or
- (c) **if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; —**

excluding—

- (aa) the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;
- (bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;
- (cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;
- (dd) where such development occurs within an urban area;
- (ee) where such development occurs within existing roads, road reserves or railway line reserves; or
- (ff) the development of temporary infrastructure or structures where such infrastructure or structures will be removed within 6 weeks of the commencement of development and where indigenous vegetation will not be cleared.

• **GNR 327 Listing Notice 1 of 2017 Activity 21:**

Any activity including the operation of that activity which requires a mining permit in terms of section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002), including —

- a) associated infrastructure, structures and earthworks, directly related to the extraction of a mineral resource; or
 - b) the primary processing of a mineral resource including winning, extraction, classifying, concentrating, crushing, screening or washing.
- but excluding the secondary processing of a mineral resource, including the smelting, beneficiation, reduction, refining, calcining or gasification of the mineral resource in which case activity 6 in Listing Notice 2 applies.

• **GNR 327 Listing Notice 1 of 2017 Activity 22:**

The decommissioning of any activity requiring —

- i) a closure certificate in terms of section 43 of the Mineral and Petroleum Resources Development Act, 2002 (act No. 28 of 2002); or
 - ii) a prospecting right, mining right, mining permit, production right or exploration right, where the throughput of the activity has reduced by 90% or more over a period of 5 years excluding where the competent authority has in writing agreed that such reduction in throughput does not constitute closure.
- but excluding the decommissioning of an activity relating to the secondary processing of a —
- (a) mineral resource, including the smelting, beneficiation, reduction, refining, calcining or gasification of the mineral resource; or
 - (b) petroleum resource, including the refining of gas, beneficiation, oil or petroleum products; —
- in which case activity 31 in this Notice applies.

• **GNR 327 Listing Notice 1 of 2017 Activity 27:**

The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for—

- (i) the undertaking of a linear activity; or
- (ii) maintenance purposes undertaken in accordance with a maintenance management plan.

• **GNR 327 Listing Notice 1 of 2017 Activity 28:**

Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development:

- (i) will occur inside an urban area, where the total land to be developed is bigger than 5 hectares; or
 - (ii) **will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;**
- excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes.

• **GNR 324 Listing Notice 3 of 2017 Activity 12:**

The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.

d. KwaZulu-Natal

v. Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;

• **GNR 324 Listing Notice 3 of 2017 Activity 14:**

The development of—

- (i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 10 square metres; or
- (ii) **infrastructure or structures with a physical footprint of 10 square metres or more;**

where such development occurs—

- a) within a watercourse;
- (b) in front of a development setback; or
- (c) **if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; —**

excluding the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;

d. KwaZulu-Natal

vii. Critical biodiversity areas or ecological support areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;

Interested and Affected Parties (I&AP's) are invited to provide written comments. I&AP's must provide their comments with their name and contact details to the environmental consultant indicated below by 13 November 2020. Should you require the documentation in another language or need additional information please contact Greenmined Environmental. A register of I&AP's that submitted written comments or requested to be registered will be opened. All organs of state having jurisdiction in respect of the activity will also be listed on the register. Please note that only registered I&AP's will be entitled to comment on reports and plans to be submitted to the Department, provided that the party provides its name, contact details and address and discloses any direct business, financial, personal or other interest which the party may have in the approval or refusal of the application. The registered I&AP's will, in writing, within 14 days of the date of the decision be notified of the outcome of the application including the reasons for the decision and the right to appeal. The contact consultant is Greenmined Environmental, Suite 62, Private Bag X15, Somerset West, 7129 or contact Christine Fouche at (082) 811 8514 or Tel (021) 851 2673, (Fax) (086) 646 0579, (email) christine.f@greenmined.co.za

Applicant:

Inzalo Crushing and Aggregates (Pty) Ltd
P.O. Box 25730
East Rand, Kempton Park
1463 Tel: 011 966 4300 E-mail: chris@inzeinternational.co.za

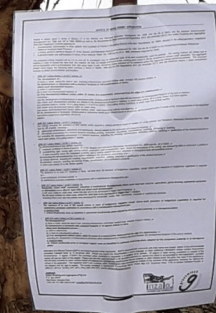


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**SITE NOTICE PLACED AT THE CORNER OF THE
R33 AND THE D173 ROAD THAT LEADS TO THE
KARKLOOF SPA RESERVE ON 1 OCTOBER 2020**

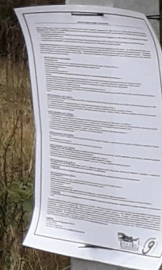


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