

Appendix D4_Background Information Document

BACKGROUND INFORMATION DOCUMENT

BASIC ASSESSMENT AND WATER USE LICENSE APPLICATION PROCESS FOR THE PROPOSED AMENDMENT OF MINING RIGHT NW 80 MR AND THE EXPANSION OF THE KWEZI MINING OPERATIONS THROUGH THE INCLUSION OF THE UG SHALLOWS BLOCKS (A&B) RUSTENBURG LOCAL MUNICIPALITY, NORTH WEST PROVINCE

DMRE Reference: NW30/5/1/2/2/80MR

Section 102 DMRE Reference: NW-00383-MR/102

INTRODUCTION AND BACKGROUND

Sibanye Rustenburg Platinum Mines (Pty) Ltd (SRPM) is a subsidiary entity within the Sibanye Stillwater Limited group of companies. Kwezi Shaft is owned and operated by Sibanye Rustenburg Platinum Mines (Pty) Ltd. The Kwezi Shaft is mining the UG2 reserve as within the mining lease limits described under the mining right NW 30/5/1/2/2/80 MR. The shaft is considered to be on its production decline phase with the expected life of mine to be until 2025. There is an urgent need to find additional ounces of Platinum Group Metals (PGMs) in order for the Kwezi shaft to maintain a sustainable production profile.

It is the intention of SRPM to expand the Mining Right Area (NW 30/5/1/2/2/80 MR) through the incorporation of an area over a portion of remainder of portion 1 and portion 127 (now known as Rustenburg Ext 9) of the farm Rustenburg Town and Townlands 272 JQ (various erven) within Rustenburg, in the North West Province. The proposed expansion area lies at the border of the SRPM mining right and can be mined from the Kwezi Shaft (**Figure 1**).

In addition to the expansion of the Mining Right Area, SRPM intends to mine the UG2 Shallows Blocks (Blocks A and B). Timely addition of the UG2 Shallows blocks to the existing Kwezi production profile is required to optimise existing critical mass before decline in early 2025.

Alta van Dyk Environmental Consultants (Pty) Ltd (AvDE) have been appointed as the Environmental Assessment Practitioner for the project to undertake the environmental related authorisations and associated public participation process.

PROJECT DESCRIPTION

This application supports the inclusion of an area (325.45 ha) into the Existing approved Mining Right with the intention to mine the UG2 Shallows blocks (A&B) in order to increase the production and life of mine for the Kwezi shaft (**Figure 1**).

No new surface infrastructure will be required as the existing shaft will be utilised to access the additional blocks. UG2 Shallows Blocks will be accessed via the existing underground mining area via the Kwezi Shaft decline. Mining activities in the UG2 Shallows Blocks are planned 40m below surface. All mining takes place on the reef horizon, and all the ore is transported to surface via an underground conveyor system. Ore will be hauled via existing surface rail network to the Kroondal Concentrators.

The UG2 Shallow blocks have experienced some significant environmental disturbances already. Block A has an area of 130 473 square meters. There are no building structures above Block A. Block B has area of 219 663 square meters. This area is highly developed and has several warehouses and office blocks directly above the target UG2 mineral deposit.

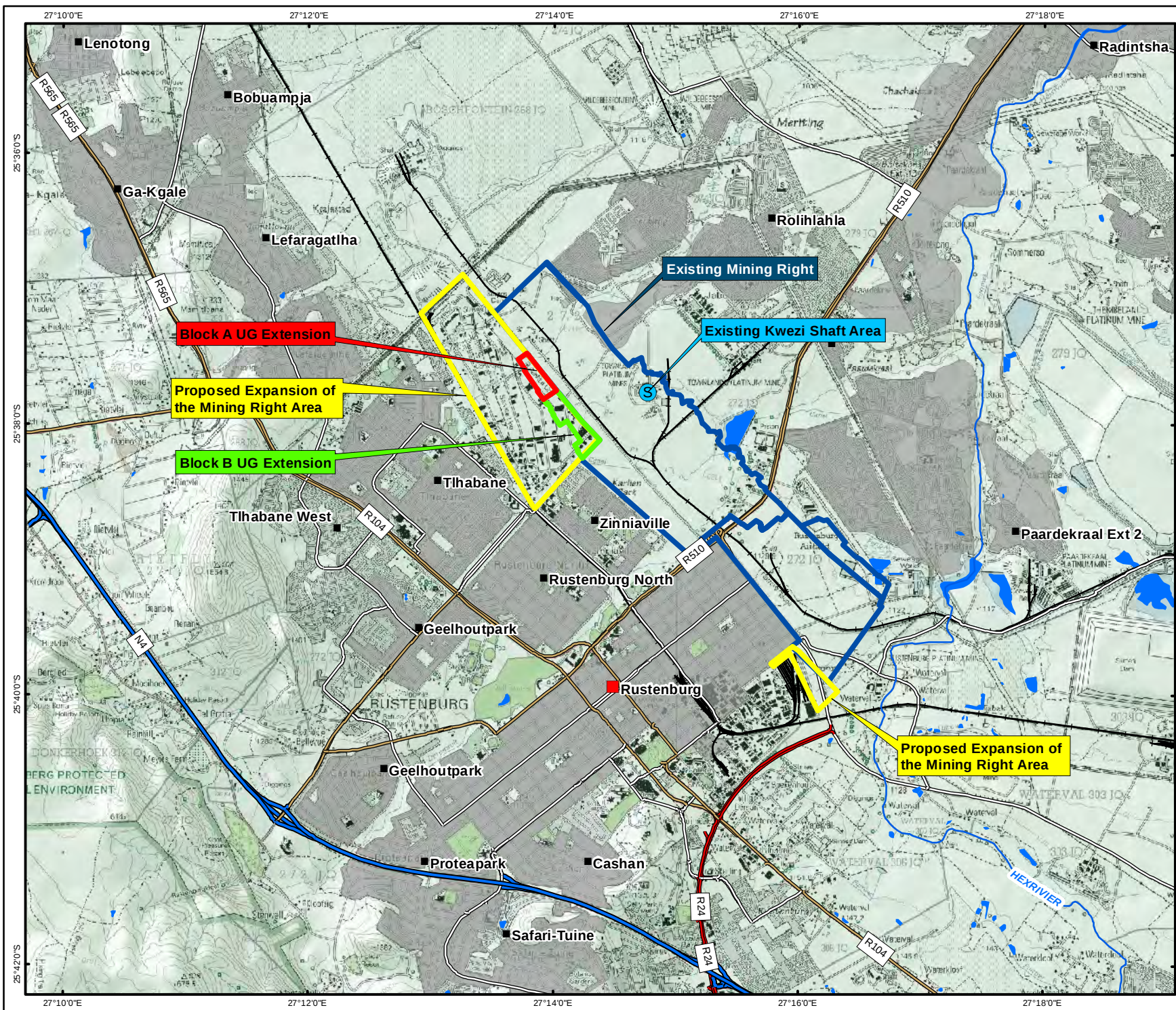
PURPOSE OF THIS DOCUMENT

The Public Participation Process (PPP) forms an integral part of any environmental authorisation process. This Background Information Document provides basic information regarding the proposed project and offers the reader an opportunity to obtain further information on the project so as to make informed comments, raise issues of concern and generally contribute positively towards the realisation of the project. The distribution of this document is a crucial step in advising the reader on how to become involved in the PPP. This document details the following:

- Project background and description.
- An overview of the environmental regulatory processes which will be undertaken in accordance with the South African legislation; and
- Provide details of the PPP and how Interested and Affected Parties (I&APs) can become involved.

LOCATION OF THE PROPOSED PROJECT

The proposed expansion project is located in the Rustenburg Local Municipality as well as within the Bojanala Platinum District Municipality. Kwezi shaft is situated on Portion 1 of Town and Townlands of Rustenburg 272 JQ. The proposed expansion area is situated below on a portion of remainder of portion 1 and portion 127 (now known as Rustenburg Ext 9) of the farm Rustenburg Town and Townlands 272 JQ over various erven (**Figure 2 & Figure 3**).



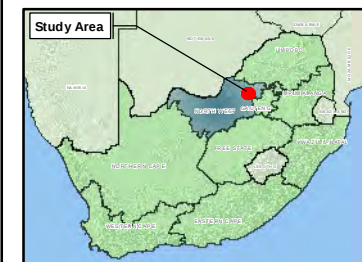
Legend

- Proposed Expansion of the Mining Right Area
- Block A UG Extension
- Block B UG Extension
- Existing Mining Right Area
- Existing Kwezi Shaft Area

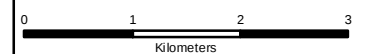
- City
- Town
- Suburb

- Motorway
- Primary Road
- Secondary Road
- Tertiary Road
- Railway
- Perennial River

- Built Up Areas
- Open Areas
- Water Area



SCALE: 1: 70 000



TITLE:

Locality Map
Figure 1

CLIENT:

Sibanye-Stillwater

DATE: Sept 2024 PROJECT: KROONDAL

DRAWN: AT APPROVED: AVD

MAP REV: 1
Kwezi_Locality_Map_Rev1

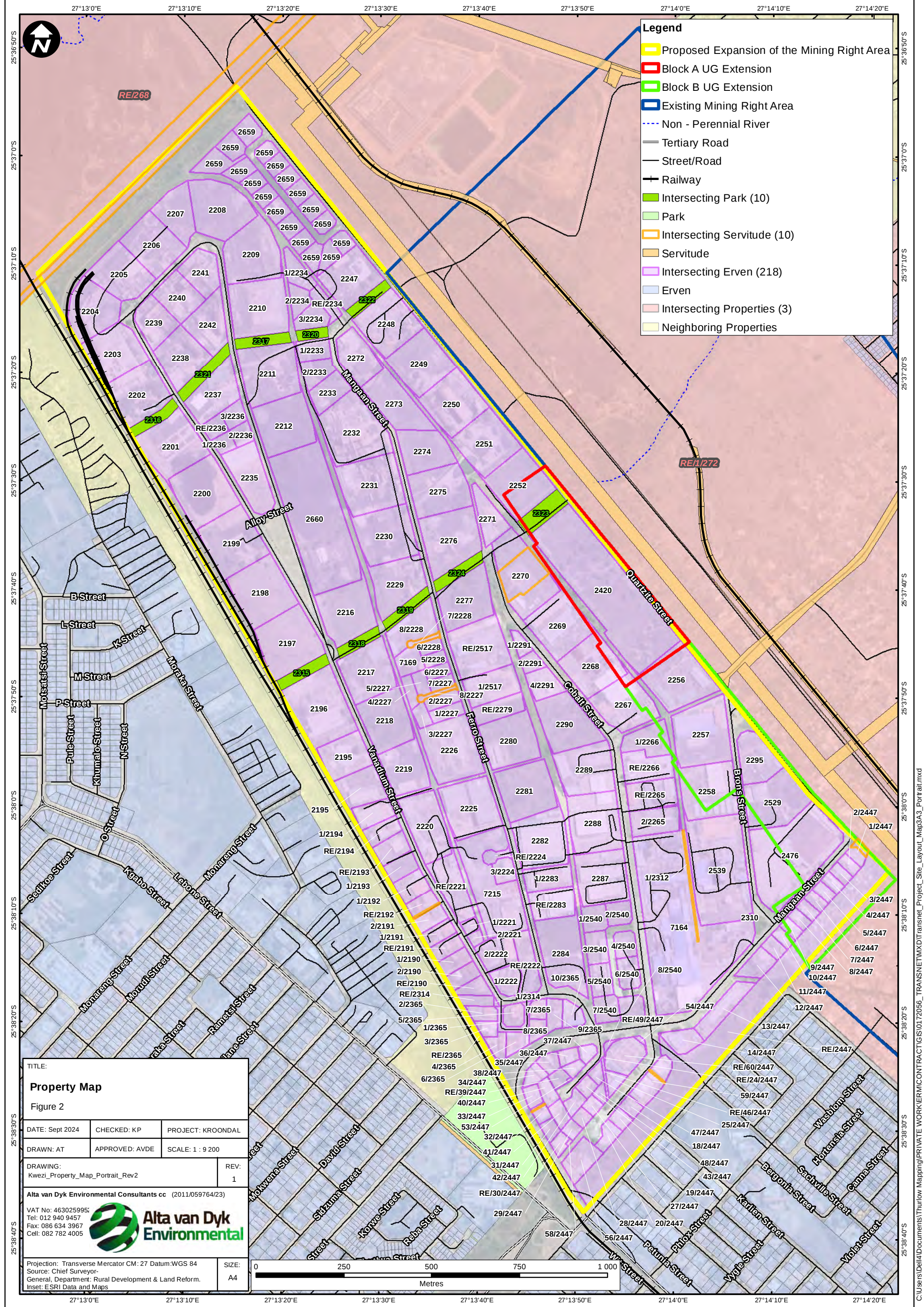
Alta van Dyk Environmental Consultants cc (2011/059764/23)

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Tel: 012 940 9457
Fax: 086 634 3967
Cell: 082 782 4005



Projection: Transverse Mercator CM: 27 Datum: WGS 84
Source: Chief Surveyor-General, Department of Rural Development
and Land Reform - 2527CB_2010_ED5_NM_GEO.tif
Inset: ESRI Data and Maps

SIZE:
A4



TITLE:

Property Map

Figure 2

DATE: Sept 2024	CHECKED: KP	PROJECT: KROONDAL
DRAWN: AT	APPROVED: AVDE	SCALE: 1 : 9 200
DRAWING: Kwezi_Property_Map_Portrait_Rev2		REV: 1

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Alta van Dyk
Environmental

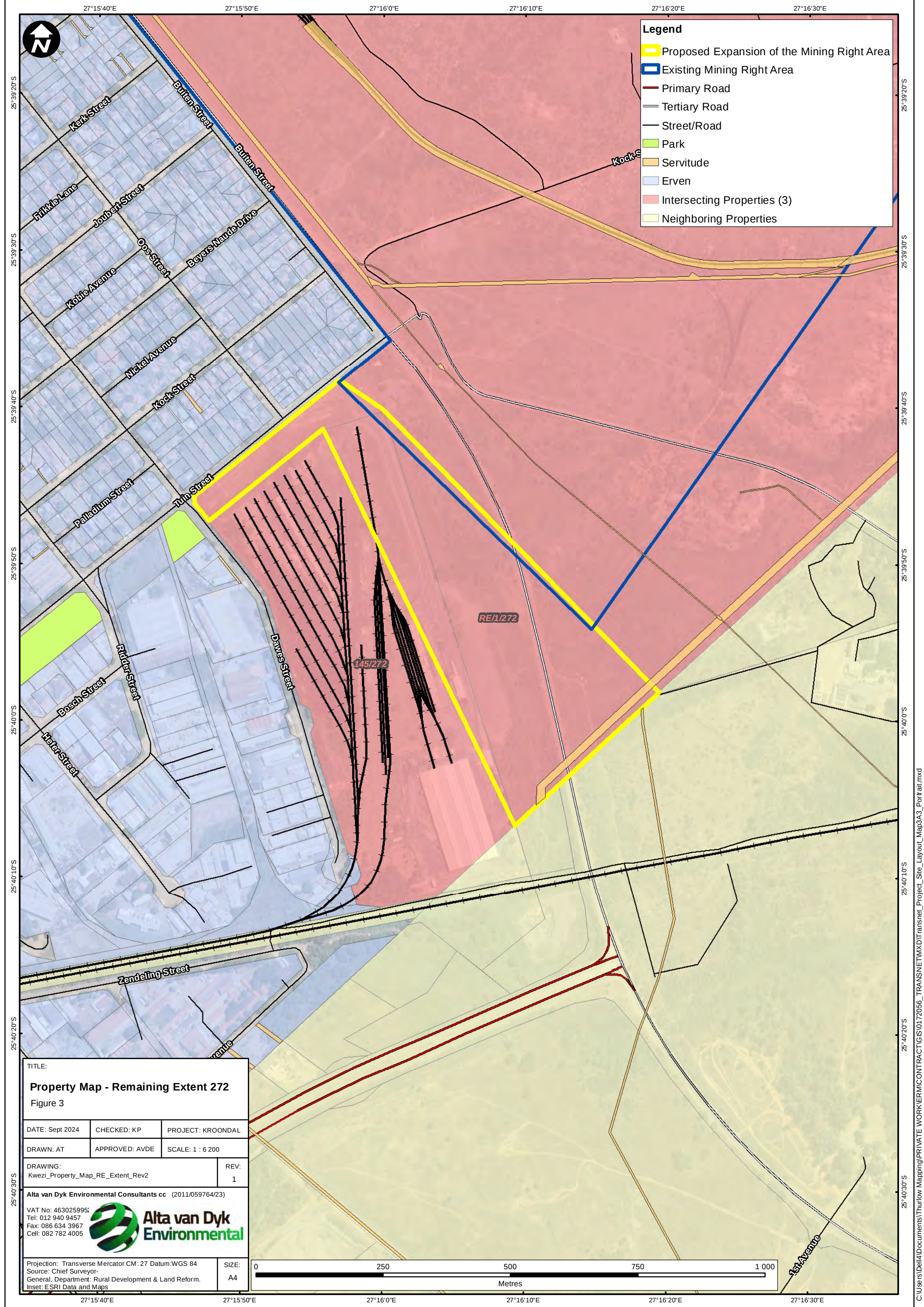
Projection: Transverse Mercator CM: 27 Datum: WGS 84

Source: Chief Surveyor-General, Department: Rural Development & Land Reform.

Inset: ESRI Data and Maps

SIZE:

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LEGISLATIVE REQUIREMENTS

The following legislative requirements are needed in support of this application.

- Basic Assessment (BA) Process in terms of the National Environmental Management Act (NEMA) (Act 107 of 1998) and National Environmental Management Waste Act (Act 59 of 2008) supporting a S102 Application as defined within the MPRDA. The competent authority for this process is the North West Department of Mineral Resources and Energy (DMRE).
- Water Use Licence Application (WULA) in terms of the National Water Act (NWA) (Act 36 of 1998). The Competent Authority is the Department of Water and Sanitation.

The environmental related authorisation processes require the involvement of stakeholders. The environmental authorisation process is illustrated in **Figure 3**.

During this environmental authorisation process the Draft Basic Assessment report will be made available for a period of 30 days and the Water Use Licence for period of 60 days. Once the comment period lapses all comments will be included within the Final Basic Assessment that will be submitted to the competent authority for decision-making.

LISTED ACTIVITIES

The listed activities triggered in terms of NEMA (Act 107 of 1998) is described in **Table 1**.

Table 1: National Environmental Management Act (ACT 107 of 1998)

NEMA Environmental Authorisation – Basic Assessment Process	
Listing Notice and Triggered Activity	Project Activity Description
Listing Notice 1 (GNR983) as amended	
Activity 21D - Any activity including the operation of that activity which <u>requires an amendment</u> or variation to a <u>right</u> or permit in terms of section 102 of the Mineral and Petroleum Resources Development Act, as well as any other applicable activity contained in this Listing Notice or in Listing Notice 3 of 2014, required for such amendment.	This activity is triggered in support of the expansion of the existing Approved Mining Right Area.
Activity 34 - The expansion of existing facilities or infrastructure for any process or activity where such expansion will result in the need for a permit or licence or an amended permit or licence in terms of national or provincial legislation governing the release of emissions, effluent or pollution, excluding-	Backfilling of the proposed UG2 Shallows Mining blocks A & B.

The listed activities triggered in terms of NEMA: WA (Act 59 of 2008) is described in **Table 2**.

Table 2: National Environmental Management Waste Act (ACT 59 of 2008)

Applicable Listing Notice	Listed Activity	Listed Activity Description	Project Activity Description
GN921- 29 November 2013 (as amended)	Category A: Activity 13	The expansion of a waste management activity listed in Category A or B of this Schedule which does not trigger an additional waste management activity in terms of this Schedule.	This activity is triggered in support of the expansion Kwezi shaft mining areas (Blocks A &B), specifically relating to the waste rock that will result from the mining activities. The waste rock will not be brought to surface and will be packed underground

The Water Uses triggered is described in Table 3.

Table 3: National Water Act (Act 107 of 1998)

National Water Act – Water Use Licence	
Water Use triggered	Project Activity Description
Section 21(g) – disposing of waste in a manner which may detrimentally impact on a water resource.	Backfilling of the proposed mining blocks A &B.
Section 21(c) and (i) – Impeding or diverting the water within a water course and/or altering the beds, banks, course or characteristics of a water course.	Underground Mining Activities within 500m from a Channelled Valley Bottom Wetland

ENVIRONMENTAL AUTHORISATION PROCESS

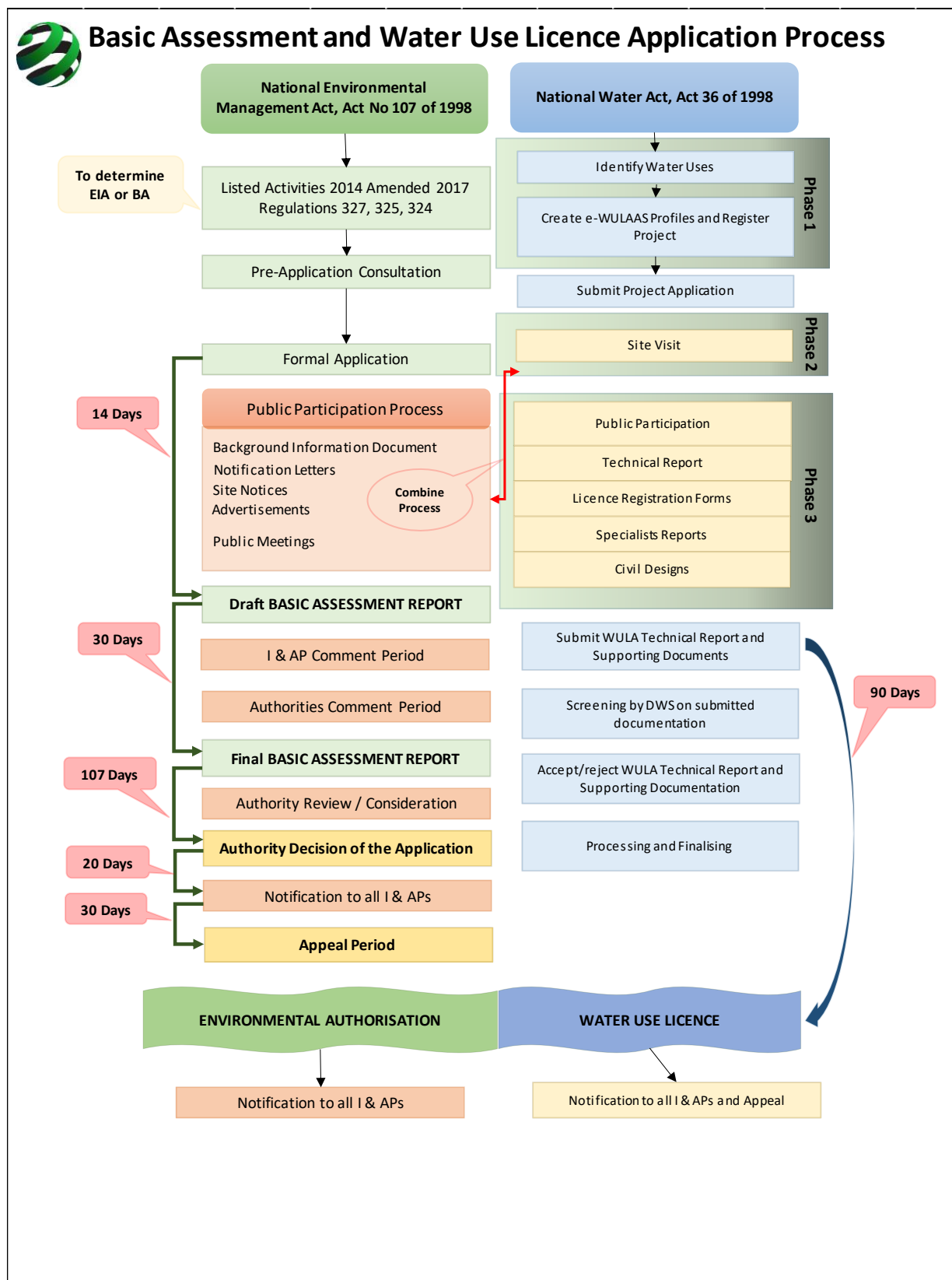


Figure 3: The Basic Assessment Reporting process

YOUR COMMENT IS IMPORTANT

Your comments and suggestions on any aspect of the proposed project, including the technical and stakeholder engagement processes, will ultimately assist the authorities in their decision-making process. If you wish to receive further notifications and documentation regarding the proposed Kwezi shaft mining right expansion project and EMPr amendment, kindly complete the attached registration form, and send to Kirthi Peramaul of Alta van Dyk Environmental Consultants.

Kirthi Peramaul

Alta van Dyk Environmental Consultants (Pty) Ltd (AvDE)

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Tel: 012 940 9457

Fax: 086 634 3967

Postal address: Postnet Suite # 745, Private Bag X 1007, Lyttelton, 0140

REGISTRATION AND COMMENT SHEET

BASIC ASSESSMENT AND WATER USE LICENSE APPLICATION PROCESS FOR THE PROPOSED AMENDMENT OF MINING RIGHT NW 80 MR AND THE EXPANSION OF THE KWEZI MINING OPERATIONS THROUGH THE INCLUSION OF THE UG SHALLOWS BLOCKS (A&B) RUSTENBURG LOCAL MUNICIPALITY, NORTH WEST PROVINCE

Kindly complete this form and return to:

Kirthi Peramaul at Alta van Dyk Environmental Consultants (Pty) Ltd (AvDE)

Postnet Suite # 745, Private Bag X 1007, Lyttelton, 0140

Email: kirthi@avde.co.za

Tel: 012 940 9457

Fax: 086 634 3967

YOUR CONTACT DETAILS

In terms of Section 11 of the Protection of Personal Information Act (POPIA), all personal information collected will be processed lawfully and explicitly for the Environmental Authorisation and Water Use Licence Application Processes.

Title		First name	
Initials		Surname	
Organisation			
Postal address			
		Postal code	
Landline		Cell	
Fax		Email	

COMMENTS (use a separate sheet if you wish to)

Are there any additional stakeholders who you should feel should be consulted with regards to the proposed project? Please provide their details.