

# **APPLICATION FOR MINING PERMIT**

REMAINDER OF THE FARM SANDVLEI NO 1020  
DIVISION MALMESBURY

Mine owner / mine operator:

**Tip Trans Resources (PTY) LTD**

**SANDVLEI SAND MINE**

Representative:



**PLANSCAPE cc**  
**CONSULTING TOWN AND**  
**REGIONAL PLANNERS**

Martin Langenhoven  
Pr. Pln. A/048/2007

Roeben Pienaar  
C/8783/2018



PO Box 557  
Moorreesburg 7310  
planscape@telkomsa.net  
(022) 433 4408 (tel)  
086 697 2069 (fax)



CC Reg: 2007/087087/23

June 2019

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## 1. INTRODUCTION

### 1.1 Applicant and consultants

Tip Trans Resources (Pty) Ltd appointed Planscape to prepare and submit an application for a mining permit in terms of section 27(2) of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002)<sup>1</sup>, for consideration by Department of Mineral Resources, in order to establish a sand mine.

The application is prepared and submitted in collaboration with Eco Impact Legal Consulting.

Tip Trans Resources (Pty) Ltd, as detailed below, will be both the mine owner and mine manager. A copy of the landowner power of attorney and Trust resolution is attached as annexure 6.1

The completed application form for environmental authorisation in terms of the National Environmental Management Act, 1989 in respect of listed activities that have been triggered by an application in terms of the Mineral and Petroleum Resources Development Act, 2002, is attached as annexure 6.2.

### 1.2 Property details

<b>Representative</b>	Martin Langenhoven Planscape PO Box 557 Moorreesburg 7310 Cell: 0722026587 planscape@telkomsa.net
<b>Mine owner and Mine manager</b>	Tip Trans Resources (PTY) Ltd PO Box 272 Moorreesburg 7310 Tel: 066 470 3779 kalp@tiptranscape.co.za
<b>Registered owners</b>	Neil Hanekom Trust
<b>Property description</b>	Remainder Sandvlei no 1020, Division Malmesbury
<b>LPI Code</b>	C04600000000102000000
<b>Extent</b>	989.0116ha
<b>Title Deed</b>	T3907/1997
<b>Existing zoning</b>	Agricultural zone

There are no restrictive title conditions that adversely influence or prohibit the establishment of the proposed sand mine on the property. The property is encumbered by a bond

<sup>1</sup> As amended in terms of No. 49 of 2008: Mineral and Petroleum Resources Development Amendment Act, 2008.

Attached find the following annexure's:

- Annexure 6.3 - Title Deed
- Annexure 6.4 – Property diagram
- Annexure 6.5 – Certificate of Company registration

## **2 SITE INFORMATION**

### **2.1 Regional setting**

The property is located approximately 23km to the south-east of Moorreesburg, within the jurisdiction of Swartland Municipality.

The property can be accessed from Moorreesburg via Divisional road 1161 which connects to Gouda, or Divisional road 1158 which connects to Riebeeck Kasteel. (see annexure 6.6).

### **2.2 Surrounding land-use**

The predominant land use in the surrounding area is agriculture and includes dry-land cultivation (grain production) and livestock grazing. The property is bordered on all sides by commercial farms. A railway line traverses the property with the Leliedam and Vleitjies stations respectively located on the northern and southern boundaries thereof. (see annexure 6.7).

### **2.3 Land-use on site**

The property is farmed along with other surrounding land units as a productive agricultural unit and is developed with infrastructure such as farmhouses, sheds, labourer cottages and others. A railway separates the application property into 2 portions.

The investigated area is on land that, probably because of the dune topography and sandy soils, has never been under cultivation. The proposed mining area is heavily infested by alien wattles, and the surrounding lands are planted to small grains (Annexure 6.8).

## **3 APPLICATION DETAIL**

The applicant seeks permission to establish a dry-pit sand mine on the property. The extent of the mining area is depicted in annexure 6.9. The mining area in total is 5ha in extent.

Mine area coordinates:

Coordinate			
C1	Lat:	33°14'14.89"S	-33.237469°
	Long:	18°54'12.36"E	18.903433°
C2	Lat:	33°14'16.70"S	-33.237972°
	Long:	18°54'14.75"E	18.904097°
C3	Lat:	33°14'20.63"S	-33.239064°
	Long:	18°54'16.19"E	18.904497°
C4	Lat:	33°14'30.93"S	-33.241925°
	Long:	18°54'14.36"E	18.903989°
C5	Lat:	33°14'30.27"S	-33.241742°
	Long:	18°54'9.97"E	18.902769°

In order to determine the depth of the sand a total of 18 trail holes were dug at locations indicated on the attached map (annexure 6.10).

The results are summarised in the table below:

Trail hole	Position			Total sand depth (cm)	Mineable thickness of sand (-0.5m)	Within mine
1	Lat	-33.2436081581	33°14'36.99"S	30	0	X
	Long	18.9111669548	18°54'40.20"E			
2	Lat	-33.2431787532	33°14'35.44"S	60.00	10.00	X
	Long	18.9103228133	18°54'37.16"E			
3	Lat	-33.2427723147	33°14'33.98"S	80.00	30.00	X
	Long	18.9097473118	18°54'35.09"E			
4	Lat	-33.2420583442	33°14'31.41"S	50.00	0	X
	Long	18.9098317176	18°54'35.39"E			
5	Lat	-33.2401104737	33°14'24.40"S	100.00	50.00	X
	Long	18.9079842623	18°54'28.74"E			
6	Lat	-33.2405384537	33°14'25.94"S	180.00	130.00	X
	Long	18.9077233337	18°54'27.80"E			
7	Lat	-33.2412543520	33°14'28.51"S	150.00	100.00	X
	Long	18.9079848491	18°54'28.74"E			
8	Lat	-33.2422248088	33°14'32.01"S	160.00	110.00	X
	Long	18.9085186925	18°54'30.66"E			
9	Lat	-33.2422062848	33°14'31.94"S	160.00	110.00	X
	Long	18.9071912505	18°54'25.89"E			
10	Lat	-33.2415407617	33°14'29.54"S	60.00	10.00	X
	Long	18.9065838978	18°54'23.70"E			
11	Lat	-33.2408237737	33°14'26.96"S	160.00	110.00	X
	Long	18.9065451734	18°54'23.56"E			
12	Lat	-33.2399621140	33°14'23.86"S	50.00	0.00	X
	Long	18.9061528165	18°54'22.15"E			

13	Lat	-33.2385728974	33°14'18.86"S	180.00	130.00	✗
	Long	18.9042723365	18°54'15.38"E			
14	Lat	-33.2382686343	33°14'17.76"S	180.00	130.00	✓
	Long	18.9036871120	18°54'13.27"E			
15	Lat	-33.2383835502	33°14'18.18"S	180.00	130.00	✓
	Long	18.9032756444	18°54'11.79"E			
16	Lat	-33.2423211168	33°14'32.36"S	180.00	130.00	✓
	Long	18.9030450583	18°54'10.96"E			
17	Lat	-33.2409625780	33°14'27.46"S	200.00	150.00	✓
	Long	18.9031093474	18°54'11.19"E			
18	Lat	-33.2402188517	33°14'24.78"S	220.00	170.00	✓
	Long	18.9036583621	18°54'13.17"E			
Average over mine area				192	142	

The average depth of mine-able sand spread over the **mine area** (5ha) is  $\pm 142$  cm deep. The total volume of mine-able sand on the mining area is conservatively estimated to be  $\pm 71000\text{m}^3$ .

The underlying geology of the area is mainly Quaternary quartz sand of the Springfontein Formation, largely covering greywacke and phyllite of the Moorreesburg formation, Malmesbury group. Soils generally have upper horizons of light-yellow colours sand, underlain by lighter coloured sand, overlaying clay. The sands are up to about 2.2 metres deep. Soils are classified, according to the South African soil classification system, predominantly as fernwood 1210 where soils are deeper, and Kroonstad 2000 where clay is shallower.

The soils are limited by the very sandy texture and leaching of the upper soil horizons, and therefore have a low water and nutrient holding capacity. As a result, they have a low to medium agriculture potential and are rated  $>3$  -  $\leq 5$  out of 10 according to the system used by Western Cape soil scientists.

The mine will be operated in such a way that once sand resources are removed and the mine is closed, the site can be used for agricultural activities as currently the case.

Attached find as annexure 6.11 a preliminary mining layout plan depicting the phased mining operation and concurrent rehabilitation sequence.

The mining operator will first remove the topsoil layer (500mm) from block 1 and stockpile it to the west on the to be mined block 2. The mineable sand will then be removed from block 1, up to the underlying soil layer, by a front-end loader and loaded onto tip-trucks.

When all mineable sand is removed from block 1, the stockpiled topsoil on block 2 is removed and immediately placed on block 1, leaving 500mm rooting material.

Removal of topsoil from block 2 commences and is stockpiled on block 3, where after mining on block 3 commence.

Concurrent mining and rehabilitation continue until the sand resource on the 4 mining blocks is removed.

The mining process reduced the depth of the sand but, following the recommended rehabilitation measures, will leave a minimum of 500 mm of rooting material after rehabilitation. This reduced depth will have little effect on the agricultural potential because there is sufficient drainage and soil depth (topsoil and gravel) in the rehabilitated mined area

Rehabilitation should include ripping with the slope through the rehabilitated area and immediately below it, to ensure that the soil is loose and that any compaction by mining machinery has been alleviated. Ripping should be done after the spreading of the topsoil and should be no deeper than approximately 20 cm. A cover crop must be established immediately after spreading of topsoil and ripping, to stabilize the soil and protect it from erosion.

#### **4 TECHNICAL AND FINANCIAL COMPETANCE**

Attached find as annexure 6.12 financial and technical competence report and as annexure 6.13 bank statements of Tip Trans Resources (Pty) Ltd as proof of financial ability and resources available to enable the applicant to carry out the mining activities and to mitigated and rehabilitate potential environmental impacts.

#### **5 CONCLUSION**

The activity entails the mining of building sand for use in the building industry and infrastructure development.

The enterprise will supply in the demand for sand from construction companies operating in the wider Swartland area.

The mine will provide secure employment on site and also contributes to the job opportunities generated by the construction industry.

A favourable response from Department of Mineral Resources is requested.

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## ANNEXURE 6.1

### **POWER OF ATTORNEY & TRUST RESOLUTION**



**POWER OF ATTORNEY**

I / we JACOBUS CORNELIUS HANEKOM do hereby signed,  
duly representative of **NEIL HANEKOM TRUST (1275/95)**, the registered owner(s) of:

**Remainder Sandvlei no 1020, Division Malmesbury, Western Cape**

hereby nominate:

Planscape CC  
13 Church Street  
Moorreesburg  
7310  
Reg: 2007/087087/23  
SACPLAN: A/048/2007

to be my / our legal agent to submit:

1. a consent use application in terms of Section 15(2)(o) of the Swartland Municipal By-Law on Municipal Land Use Planning
2. an application for a mining permit in terms of section 27(2) of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002)
3. A Notification of Intent to Develop in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)

to the authorities and in general to these applications, to obtain all information and carry out all actions for the realisation of such applications.

SIGNED at MOORREESBURG on this 20TH day of MAY 2019

in the presence of:

  
Signature

JACOBUS CORNELIUS HANEKOM  
Full name

WITNESSES:

  
Signature

MEMBERS: M LANGENHOVEN PR. PLN. A/048/2007, M.TARP (US)

**TRUST RESOLUTION**

**NEIL HANEKOM TRUST (1275/95)**

PO Box 17  
Moorreesburg  
7310

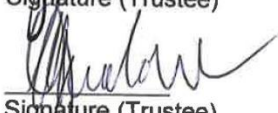
**RE: REMAINDER SANDVLEI NO 1020, MALMESBURY RD**

We refer to the above property and hereby, being the owner thereof, resolve to authorize Mr. J.C. Hanekom (ID. 6001015079080) to sign all relevant documents pertaining to, and give permission that the following applications can be submitted on our behalf:

1. A consent use application in terms of the Swartland Municipality Land Use Planning By-Law.
2. An application for a mining permit in terms of section 27(2) of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002).
3. A Notification of Intent to Develop in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999).

Yours sincerely

  
Signature (Trustee)

  
Signature (Trustee)

  
Signature (Trustee)

\_\_\_\_\_  
Signature (Trustee)

20/05/2019  
Date

**(Please note that all trustees must sign the resolution)**

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MEMBERS: M LANGENHOVEN PR. PLN. A/048/2007, M.TARP (US)

## ANNEXURE 6.2

### **NEMA APPLICATION FORM**



## ANNEXURE 6.3

### TITLE DEED

40  
VAN DYK POTGIETER MARAIS  
Tel Nr 262670  
KAAPSTAD

Opgestel deur my :  
*[Signature]*

TRANSPORTBESORGER  
VAN DYK E-A  
BIRCH M

SEELREG  
DUTY R.....  
FOOT  
EG R 100,00

BC 000066507/2000  
GEKANSELLEER  
CANCELLED  
REGISTRATEUR/REGISTRAR  
*[Signature]*

ARTIKEL 57 WET 47 VAN 1937 SECTION 57 ACT 47 OF 1937  
VERBIND MORTGAGED  
B 9745/1992  
VIR FOR R 645 250,31

③ BC 2988/97  
20 01 97  
REGISTRATEUR/REGISTRAR  
*[Signature]*

REKENING VERREKENING  
OPDRAG  
STATUS VERIFIED  
*[Signature]*

T 3907/97

**AKTE VAN TRANSPORT**

HIERMEE WORD BEKEND GEMAAK **LINDA ANNE BIRCH**  
**ERIKUS DANIEL ALBERTUS VAN DYK**

DAT  
voor my, REGISTRATEUR VAN AKTES te KAAPSTAD, verskyn het, hy  
die Komparant behoorlik daartoe gemagtig kragtens 'n Prokurasie geteken  
te MOORREESBURG op die 30ste dag van September 1996, en aan hom  
verleen deur -

1. JACOBUS CORNELIUS HANEKOM  
Identiteitsnommer 600101 5079 00 9  
Getroud buite gemeenskap van goedere  
2. MARIUS GERHARD HANEKOM  
Identiteitsnommer 650307 5114 08 9  
Ongetroud

- in gelyke dele -

welke prokurasie in die teenwoordigheid van getuie volgens Wet onderteken,  
hede aan my getoon is

VIR ENDOSSEMENTE KYK BLADSY 6  
FOR ENDORSEMENTS SEE PAGE 6

- 2 -

**E N** die Komparant het verklaar dat sy gesegde Prinsipaal waarlik en wettiglik verkoop het op 25 Maart 1996, en dat hy, die genoemde Komparant, in sy hoedanigheid voormeld, by hierdie Akte seeder en transporteer in volle en vrye eiendom, aan en ten behoeve van -

Die Trustees indertyd van  
**NEIL HANEKOM TRUST**  
(Nr IT1275/95) ✓

Hul Opvolgers in titel of Regverkrygendes :-

① **DIE PLAAS SANDVLEI Nr 1020** ✓  
in die Afdeling Malmesbury  
Wes-Kaap Provinsie

✓ **GROOT** : 989,0116 (Negenhonderd nege en tagtig komma nul een een ses) hektaar

**AANVANKLIK OORGEDRA** kragtens Sertifikaat van Verenigde Titel Nr T29178/1982 met kaart nr 3022/81 wat daarop betrekking het en **GEHOU** kragtens Transportakte Nr T8688/92.

I. **WAT** betref die figuur FGHJKLMNOPS op gemelde kaart nr 3022/81 :

A. **ONDERHEWIG** aan die voorwaardes waarna verwys word in Transportakte Nr T267 gedateer 17 April 1890.

B. **ONDERHEWIG VERDER** aan die bepalinge van die endossement gedateer 25 Maart 1958 aangebring op Transportakte Nr T11158/1949, welke endossement soos volg lees :

Kragtens Notariële Akte Nr 136/58 ged. 29/1/58 gee en verleen die eienaar van die eiendom hieronder gehou aan die Elektrisiteitsvoorsieningskommissie die ewigdurende reg om:

(a) elektrisiteit bo-oor of onderdeur die genoemde eiendom deur middel van drade en/of kables langs die lyn van die roete soos op grondtekening nr 373/57 getoon en def daarop gemerk te lei;

- 3 / ...

- 3 -

- (b) op die genoemde eiendom langs die lyn van die roete voorheen gemeld, al sulke drade en/of kables, pale, pilare of toebehore daarby as wat vir die voornoemde doeleindes nodig mag wees op te rig met die reg om al sulke voormelde drade en/of kables, pale, pilare en/of toebehore te gebruik, inspekteer, in stand te hou, herstel, verander, hernu en/of verwyder.

Onderhewig aan voorwaardes en soos meer volledig sal blyk uit die gesegde Notariële Akte.

**C. GEREKTIG** op die bepalings van die endossement gedateer 23 Julie 1975 aangebring op Transportakte Nr T11158/1949 welke endossement soos volg lees :

Kragtens Notariële Serwituutakte K502/1975S is die binnegemelde eiendom geregtig op :

- (1) 'n pyplyn serwituut gemerk x y op kaart 8153/67 en 'n serwituutgebied gemerk Aa linkerwal van Bergrivier bD en ac middel van Bergrivier db linkerwal van Bergrivier op gesegde kaart oor Gedeelte 4 ('n gedeelte van gedeelte 3) van die plaas Schoenemakersfontein nr 486 gehou deur Schoenemakers Beleggings Eiendoms Beperk onder Transportakte Nr T40887/1974.
- (2) 'n pyplyn serwituut gemerk y-z op gesegde kaart oor Gedeelte 3 van die plaas Schoenemakersfontein nr 486 gehou deur D F van der Vyver onder Transport Nr T17027/1975.

Soos sal meer volledig aangetoon word op die bogenoemde Notariële Akte.

**D. ONDERHEWIG VERDER** aan die spesiale voorwaarde vervat in Verdelingstransportakte Nr T29175/1982 wat bindend is op die transportneemster daarin en haar opvolgers in titel as eienaars van die Restant van Gedeelte 7 van die plaas Schoenemakersfontein Nr 486, groot 201,3956 hektaar daarkragtens gehou, dat Alwyn Jacobus Dippenaar (gebore 29 Augustus 1939) en sy opvolgers in titel as eienaar van :

**SEKER STUK OPBETAALDE ERFPAAGGROND** synde Gedeelte 9 ('n gedeelte van gedeelte 7) van die plaas

- 4 / ...



- 4 -

**Schoenemakersfontein Nr 486**  
geleë in die Afdeling Malmesbury

**GROOT : 160,7031 Hektaar**

**GEHOU** deur die gemelde Alwyn Jacobus Dippenaar  
kragtens Verdelingstransportakte Nr T29174/1982 gedateer  
hierdie dag

Geregig sal wees op minstens 23 kiloliter water per dag  
afkomstig uit die waterbronne, hetsy bestaande of  
toekomstige, op die gemelde Restant van Gedeelte 7 van die  
plaas Schoenemakersfontein Nr 486, vir huishoudelike  
gebruik en veesuiping welke water deur gemelde Alwyn  
Jacobus Dippenaar en sy opvolgers in titel opgegaan sal  
word in 'n reservoir op gemelde Restant van Gedeelte 7 van  
die plaas Schoenemakersfontein Nr 486, so naby as  
moontlik aan die reghebbende se opstal vanwaar dit deur  
die gemelde reghebbende gehaal sal word by wyse van 'n  
pypleyn. Gemelde voorwaarde sal nie van toepassing wees  
op private water soos omskryf in Wet Nr 54 van 1956 nie.

II. **WAT** betref die figuur A.B.C.D.E.F.T.U.V.W.X.Y.Z.A' uitsluitende  
figuur E'F'G'H' op gemelde kaart nr 3022/81 :

A. **ONDERHEWIG** aan die voorwaardes waarna verwys word in  
Sertifikaat van Eenvormige Titel Nr T2476/1940.

B. **ONDERHEWIG VERDER** aan die volgende voorwaarde vervat  
in gemelde Sertifikaat van Eenvormige Titel Nr T2476/1940:

That the Government shall at all times have the right of  
resuming a portion or the whole of the said land if required  
for public purposes, on payment to the proprietor of such  
sum of money in compensation as may be mutually agreed  
upon by the parties concerned, or failing such agreement as  
may be determined by arbitration.

III. **WAT** betref die figure A c ba Z en d B C E F T U g f e d op gemelde  
Kaart Nr 3022/81 :

**ONDERHEWIG** aan die voorbehoud ten gunste van die Staat van alle  
regte op myne van edelgesteentes, goud of silwer soos vermeld in  
Artikel 4 van die Proklamasie van Sir John Cradock gedateer 6  
Augustus 1813, ten opsigte waarvan 'n Sertifikaat van Regte op  
Minerale ten gunste van die Regering van die Republiek van  
Suid-Afrika op 18 Maart 1940 (Nr 52/40) uitgereik is.

- 5 / ...

- 5 -

**W E S H A L W E** die Komparant afstand doen van al die reg en aanspraak wat -

Transportgewer/s

voorheen op voormelde eiendom gehad het, gevolglik ook erken dat gemelde Transportgewer/s geheel en al van die besit daarvan onthef is en nie meer daartoe geregtig is nie, en dat kragtens hierdie Akte, die genoemde -

Transportnemer/s

Hul Opvolgers in Regte of Regverkrygendes, tans en voortaan daartoe geregtig sal wees, ooreenkomstig plaaslike gebruik, behoudens die regte van die Staat; en ten slotte erken hy dat die koopprijs die som van R1 400 000,00 (Eenmiljoen vierhonderdduisend rand) is en dat die volle koopsom betaal of verseker is.

**IN GETUIENIS WAARVAN** ek, die genoemde **REGISTRATEUR VAN AKTES**, tesame met die Komparant q.q. hierdie Akte onderteken en met die ampseel bekragtig het.


**ALDUS GEDOEN EN VERLY** op die Kantoer van die **REGISTRATEUR VAN AKTES**, te KAAPSTAD op *28 Desember* *Januarie* 199*8-7* *L*

*H. Kucum*  
q.q.

In my teenwoordigheid:

*[Signature]* ✓  
**REGISTRATEUR VAN AKTES**

⑥

VERBIND		MORTGAGED	
VR FOR R	2 000 000,00		
<b>B</b> 000065406 / 2000	 REGISTRATEUR/REGISTRAR		
000003011 * 2000			

LINDA ANNE BIRCH

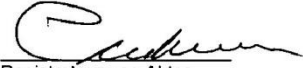
For end. see pg. 7

DCA -7- T3907'97


KRAGTENS Notariële Akte No. K 479/2010 /2010S, is die binnegemelde eiendom ONDERHEWIG aan 'n reg ten gunste van die Weskus Distriksmunisipaliteit, om water te lei deur middel van 'n pyplyn binne 'n serwituutgebied, 3 meter wyd waarvan die noord-oostelike grens aangedui word deur die lyne ABCH en EF; en die noord westelike grens deur die lyne CDE en FG op die Serwituutkaart Nommer 2952/2009. Onderhewig aan sekere voorwaardes. Soos meer volledig sal blyk uit genoemde Notariële Akte.

Aktekantoor  
KAAPSTAD

Datum: 2010-09-06

  
Registrateur van Aktes

*Rea +*

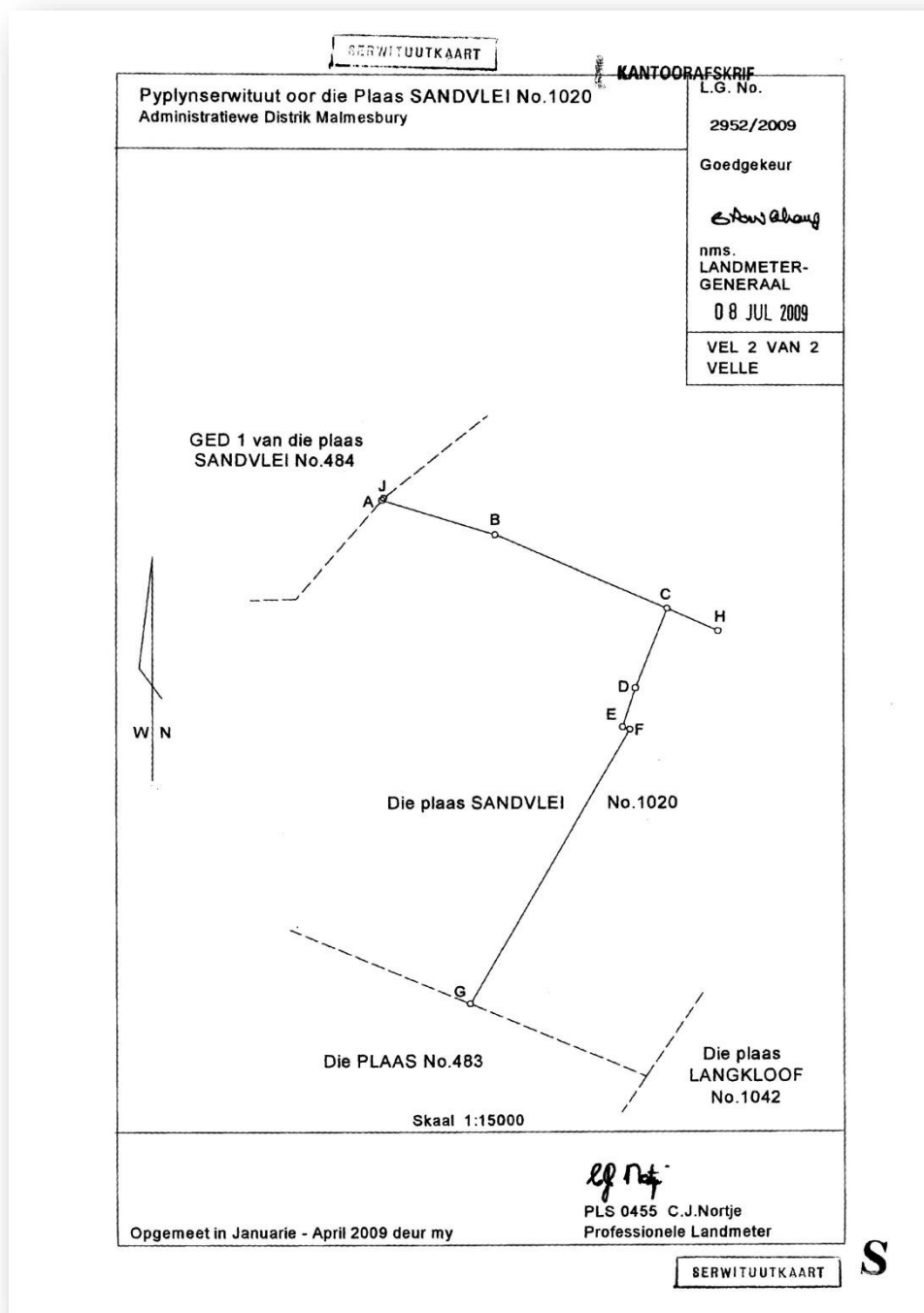
VERBIND		MORTGAGED	
VIR FOR R 13 000 000 00			
B 000029502 / 2015		 REGISTRATEUR/REGISTRAR	
2 : OCT 2015			

## ANNEXURE 6.4

### PROPERTY DIAGRAM

- 3022/81

SYE meter		HOEKE		KOÖRDINATE y Stelsel 1919 X	
		Konstant		±	0,0 + 3 600 000,0
AB	2154,56	A	101.55.40		
BC	457,39	B	228.24.50		
CD	2053,05	C	170.13.10		
DE	431,04	D	222.15.30		
EF	1558,25	E	41.31.30		
FG	416,63	F	265.15.40	F	+ 7 940,87 + 78 683,90
GH	1012,76	G	54.46.30		
HJ	1399,03	H	240.38.40	H	+ 7 576,21 + 79 485,84
JK	281,48	J	91.59.10	J	+ 6 528,88 + 80 286,43
KL	254,39	K	125.22.20	K	+ 6 681,85 + 80 522,71
LM	320,34	L	188.26.10	L	+ 6 936,01 + 80 533,60
MN	232,77	M	171.31.40	M	+ 7 250,58 + 80 594,11
NO	287,69	N	181.49.50	N	+ 7 483,14 + 80 603,93
OP	186,87	O	152.19.10	O	+ 7 770,04 + 80 625,23
PQ	156,57	P	93.21.00	P	+ 7 941,50 + 80 550,91
QR	49,76	Q	238.16.40	Q	+ 7 887,74 + 80 403,86
RS	94,1,46	R	205.23.00	R	+ 7 918,51 + 80 364,75
ST	742,93	S	263.22.56	S	+ 8 761,62 + 79 945,80
TU	736,48	T	180.03.00	T	+ 9 166,68 + 80 568,59
UV	1965,99	U	99.25.40		
VW	22,76	V	102.36.10		
WX	58,22	W	257.35.40		
XY	22,67	X	283.10.10		
YZ	1890,99	Y	124.13.50		
ZA'	1424,34	Z	56.03.80		
JA'	156,45	A'	179.59.00		
JB'	67,98	HJB'	180.00.00	B'	+ 6 473,15 + 80 325,31
JC'	9,54	HJC'	180.00.00	C'	+ 6 521,07 + 80 291,87
KD'	12,30	KD'L	180.00.00	D'	+ 6 634,14 + 80 523,24
UITGESLOTE FIGUUR					
EF'	88,10	E'	79.36.50		
FG'	421,72	F'	100.20.40		
GH'	86,36	G'	90.05.40		
HE'	437,68	H'	89.56.50		
FF'	1625,73	FFG	143.11.00		
TG'	300,18	FFS	10.57.30		
		STG'	24.37.20		
		FGT	181.14.10		
(2A) Schoenmakersfontein				Δ	+ 7 026,10 + 81 962,15
(321) Sandvlei				Δ	+ 10 124,29 + 80 338,21
Die figuur A.B.C.D.E.F.G.H.I.J.K.L.M.N.O.P.Q.R.S.T.U.V.W.X.Y.Z.A', uitsluitende figuur E'F'G'H',					
stel voor		989,0116 hektar		grond, synde	
die plaas		SANDVLEI		NO.1020	
en bevat (1) en (2) lingsaan					
gelee in die Administratiewe Distrik Malmesbury					
Provinsie Kaap die Goeie Hoop.					
Swamgestel in September 1980					
deur my,					
Landmeter.					
Hierdie kaart is geheg aan		Die oorspronklike kaarte		Lêer No Malm. 1020	
S.V.T.		is soos lingsaan		Swamgestel	
No. 29178/82		aangehaal.		Komp. BH-2DD (3678)	
gedatseer				BH-4BB (3696)	
t.g.v.				BH-2DC (3677)	
Registrateur van Aktes.				BH-4BA (3695)	



Application for Mining Permit: Remainder Sandvlei no 1020, Malmesbury RD  
(Reference number: 231~1020-SWM)

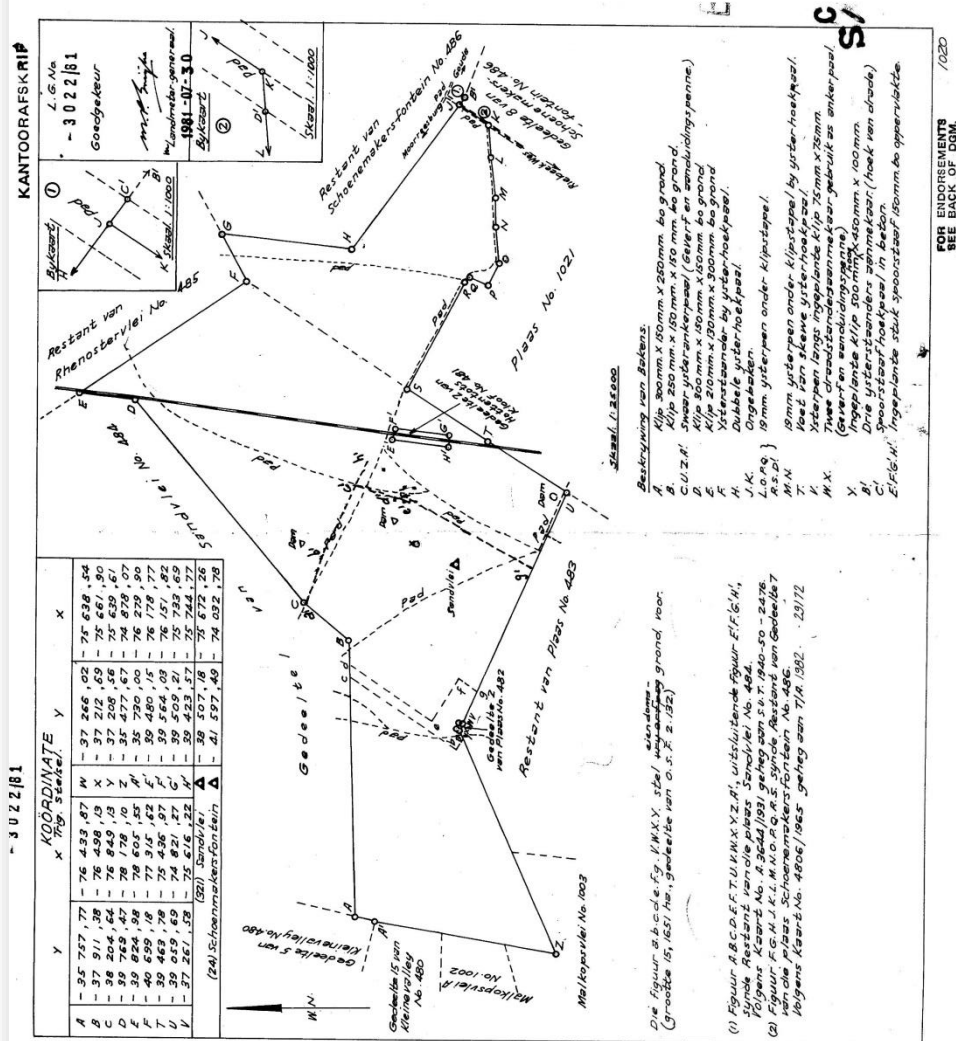
C.K.Rumbolt & Vennote, Pr.Landmeters, Piketberg		SERWITUUTKAART		KANTOORAFSKRIF	
SYE Meter	RIGTINGS- HOEKE	KOÖRDINATE Y Stelsel: WG19° X		L.G. No.	
	Konstante:	0,00		2952/2009	
AB	393,62	287 47 20	A	+10 504,08	+79 469,12
BC	624,63	294 28 00	B	+10 129,28	+79 589,38
CD	297,34	20 36 20	C	+9 560,74	+79 848,08
DE	143,43	17 22 10	D	+9 665,39	+80 126,40
EF	25,56	289 18 30	E	+9 708,21	+80 263,29
FG	1 096,65	28 50 33	F	+9 684,09	+80 271,74
CH	186,37	295 09 20	G	+10 213,12	+81 232,35
			H	+9 392,04	+79 927,30
KONNEKSIE	GEGEWENS				
AJ	8,96	219 30 00	J	+10 498,38	+79 462,21
	24 Schoenmakersfontein	△		+7 090,96	+82 261,44
	302 Kleinvlei II	△		+24 847,08	+63 439,51
<u>Beskrywing van bakens</u> A,G : 12mm ysterpen B,C,D,F : Ysterhoekpaal E : Swaar ysterhoekpaal H : Ysterstaander J : Ysterpen					
Die lyn ABCH, EF stel voor die noord-oostelike grens, CDE en FG die noord- westelike grens van 'n pylynserwituut 3m wyd, oor <b>Die plaas SANDVLEI No.1020</b> gelee in die Munisipaliteit Swartland Administratiewe Distrik Malmesbury Provinsie Wes-Kaap					
Opgemeet in Januarie - April 2009 deur my				PLS 0455 C.J.Nortje Professionele Landmeter	
Hierdie diagram is geheg aan No. <b>K 779/2010</b> ged. t.g.v. Registrateur van Aktes		Die oorspronklike diagram is L.G. No. 3022/1981 Transport 1982. 29178		Lëer <b>MaIm.1020</b> M.S. 1178/2009 Komp. BH-2DD(3678) BH-4BB(3696) LPI C0460000	

SERWITUUTKAART

S

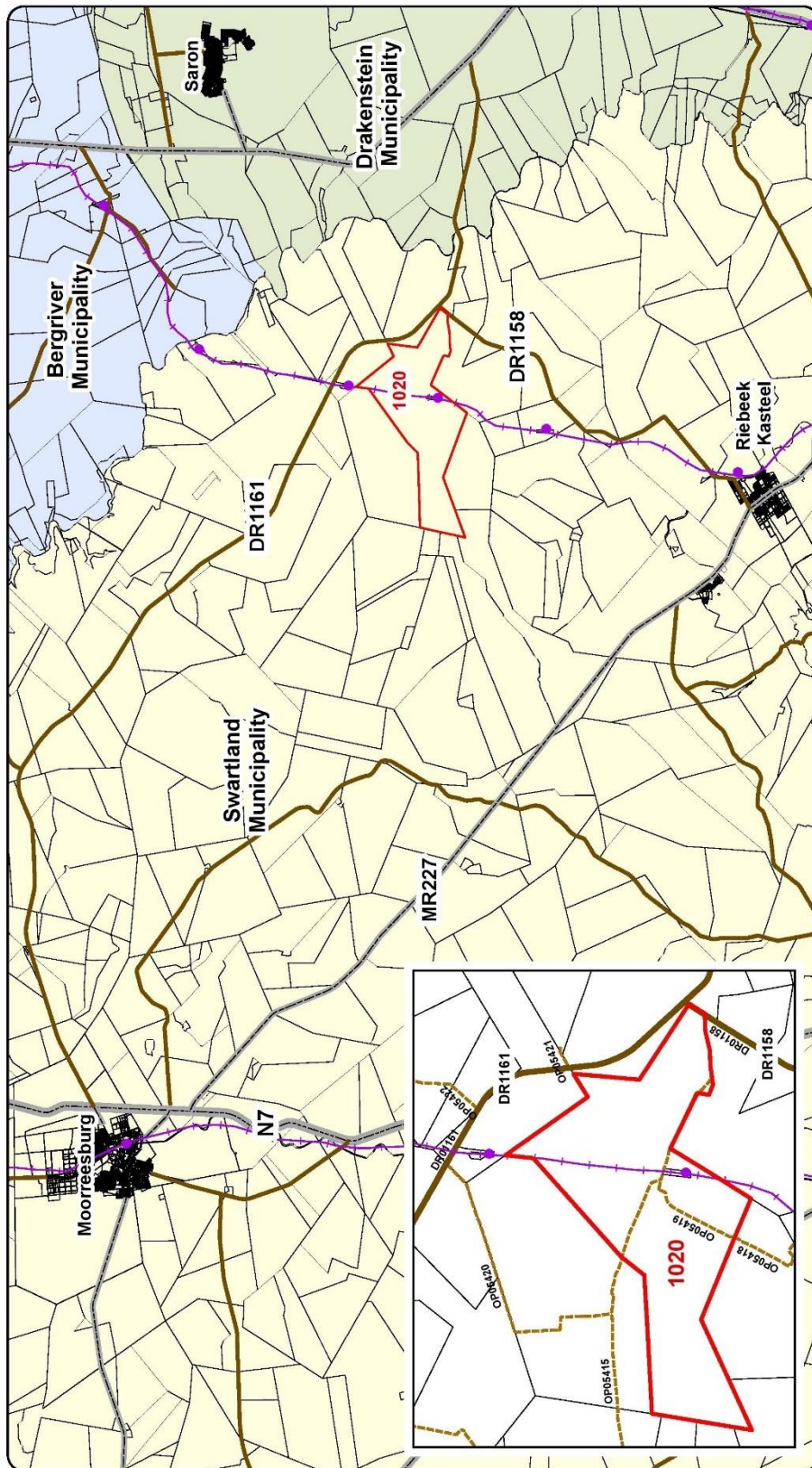


SERVITUDES/LEASEHOLD AREAS				
SURVEY RECORD	DIACRAM NO.	DESCRIPTION	DEED	INITIALS
E1178/09	2952/09	Die Eyn o'bb'ig'e f'stel voordie noord-oostelike grens, c'd'e' & f'g'die noord-westelike grens van h	K779/2010	JA



## ANNEXURE 6.6

### LOCATION MAP



Date: 13/06/19

## LOCATION MAP

Remainder Sandvlei no 1020, Division Malmesbury



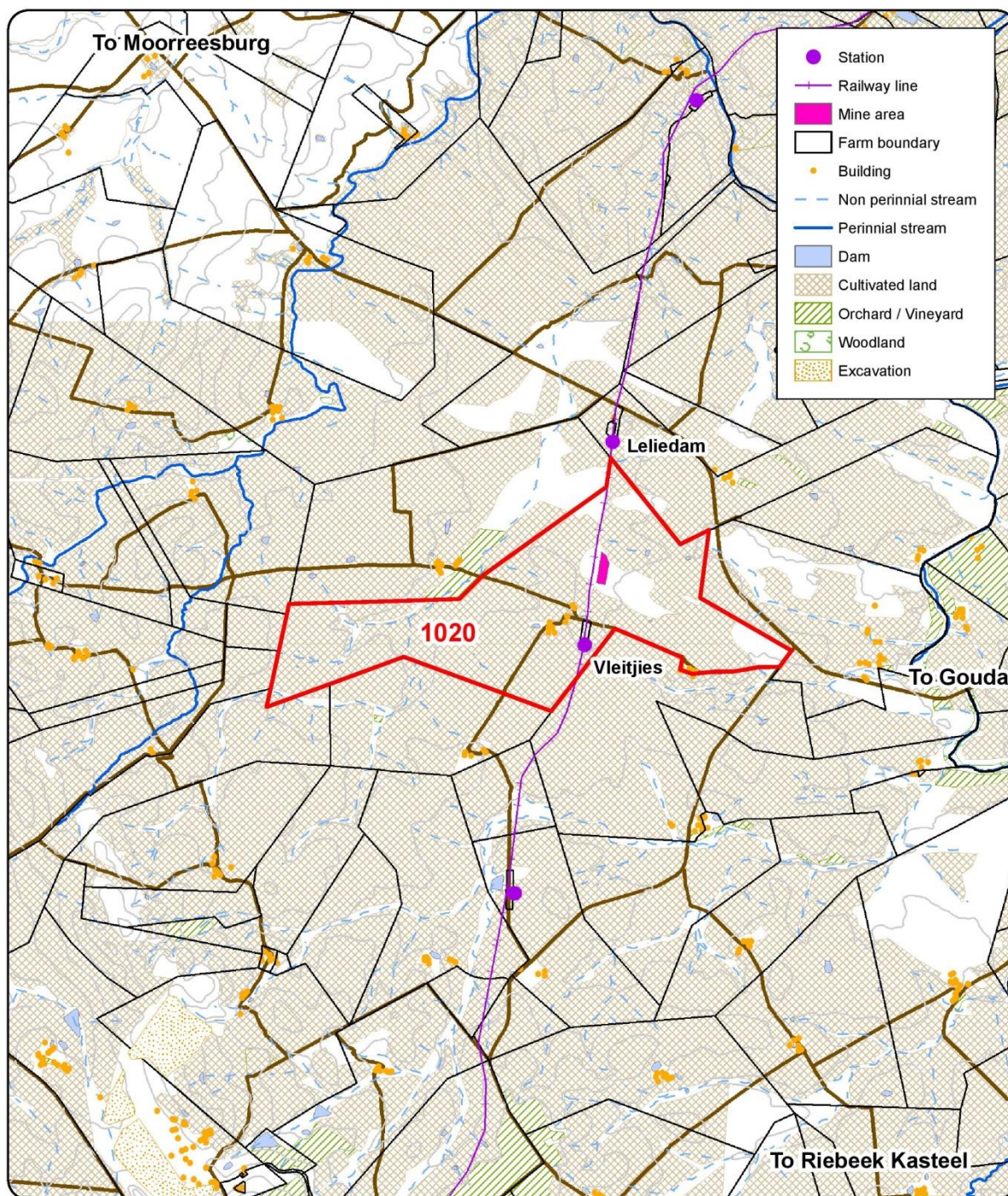
**PLANSCAPE**  
URBAN PLANNERS

PO Box 557, Moorreesburg, 7310, Cell 0722026587, Fax 086 697 2069, [planscape@telkomsa.net](mailto:planscape@telkomsa.net)

## ANNEXURE 6.7

### **SURROUNDING LAND-USE**





## SURROUNDING LAND USE

Remainder Sandvlei no 1020, Malmesbury RD



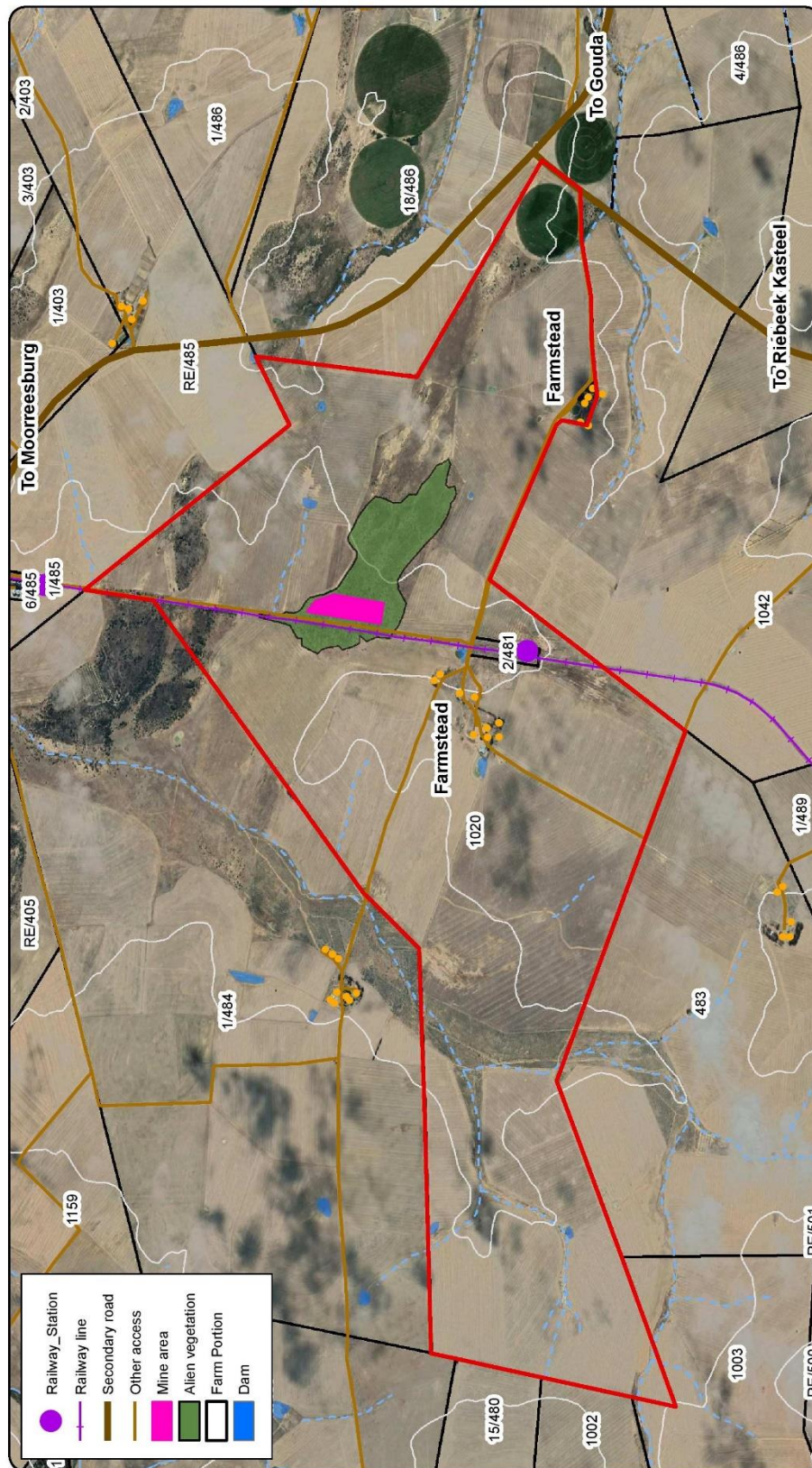
Date: 13/06/19

PO Box 557, Moorreesburg, 7310, Cell 0722026587, Fax 086 697 2069, [planscape@telkomsa.net](mailto:planscape@telkomsa.net)

## ANNEXURE 6.8

### LAND-USE ON SITE





Date: 25/06/19

## Land use on site

Remainder Sandvlei no 1020, Division Malmesbury



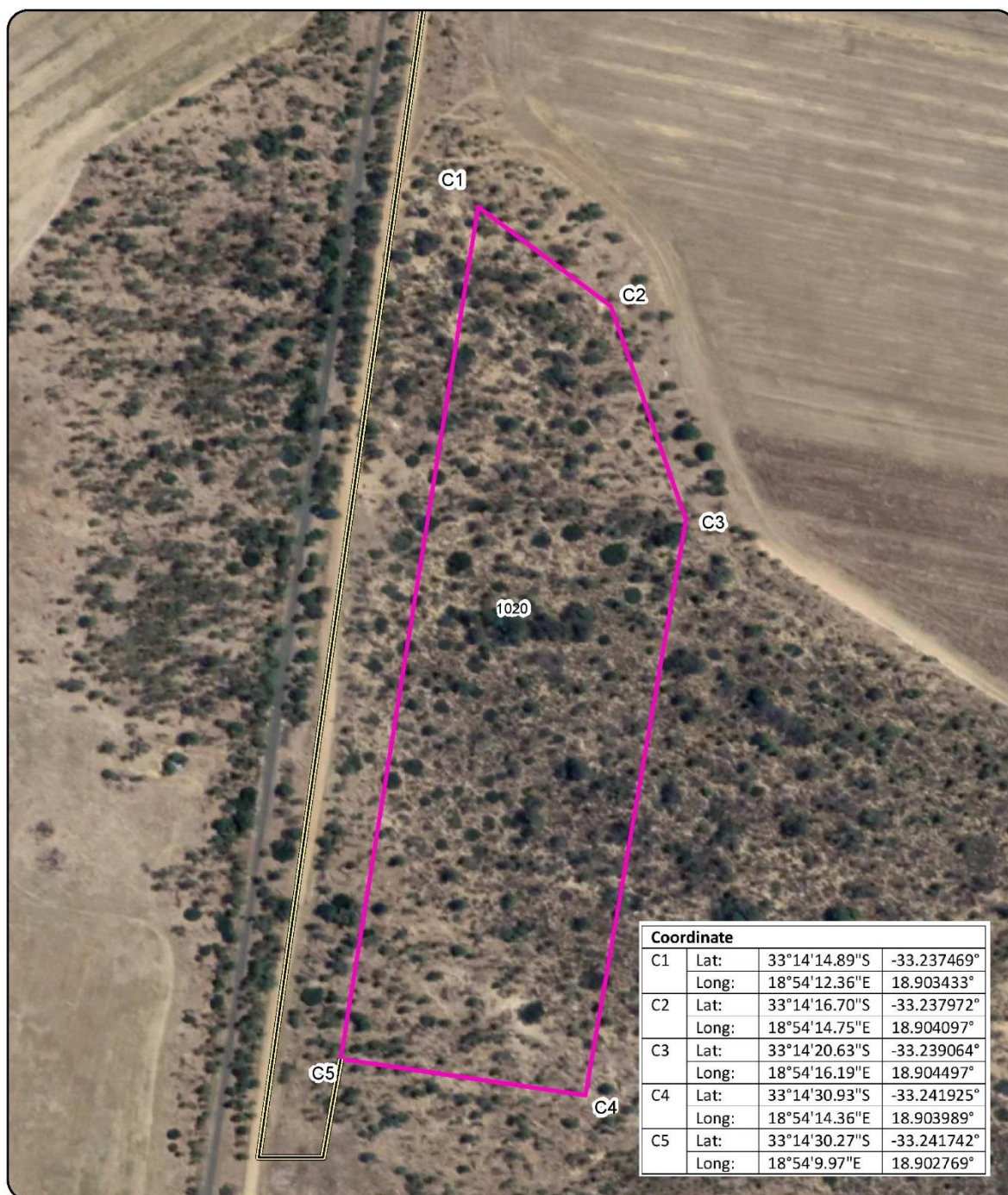
**PLANSCAPE**  
URBAN PLANNERS

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## ANNEXURE 6.9

### MINE AREA



## MINE AREA (Regulation 2.(2) plan)

Remainder Sandvlei no 1020,  
Division Malmesbury



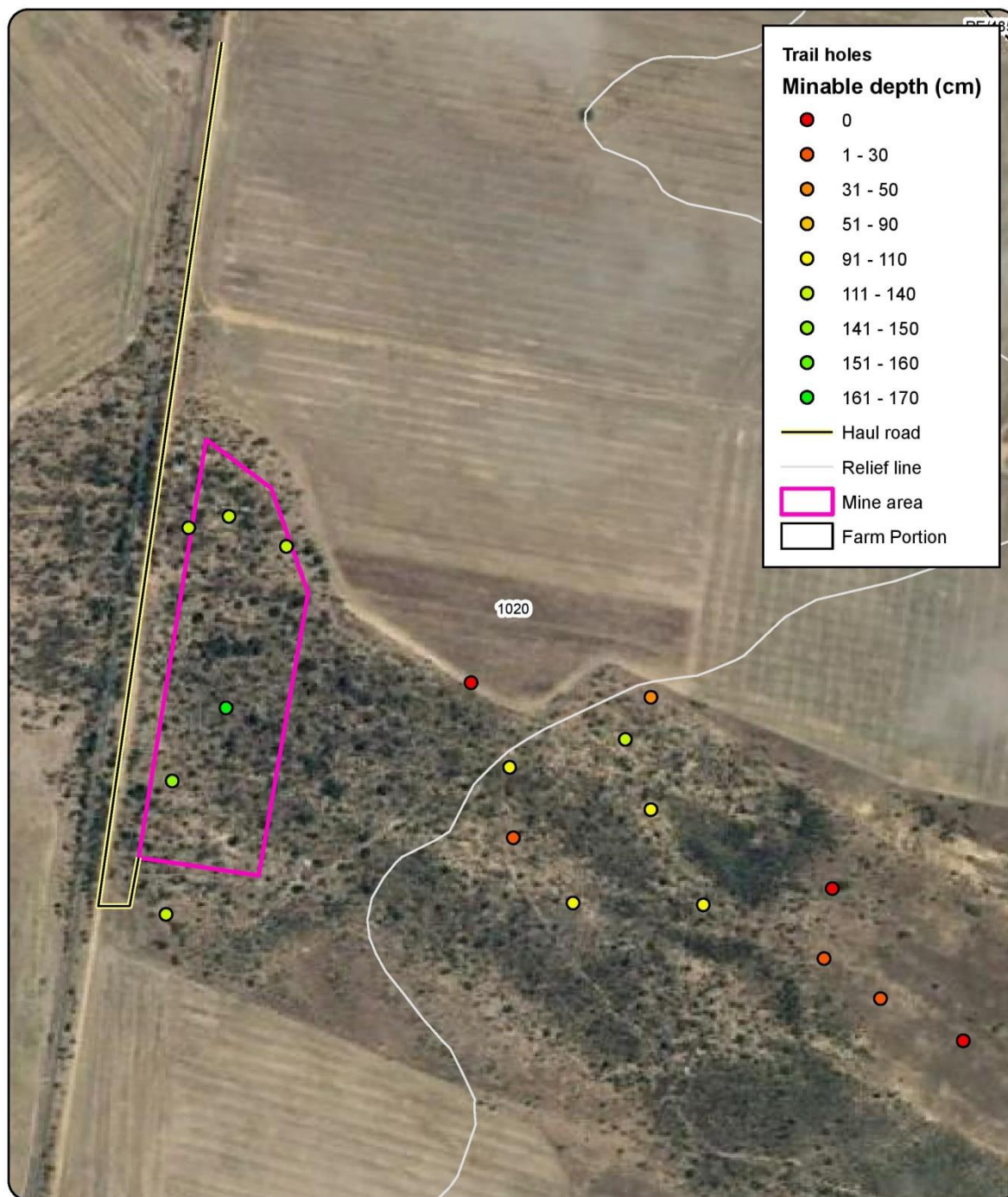
Date: 25/6/2019

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## ANNEXURE 6.10

### TRAIL HOLES





## TRAIL HOLES

Remainder Sandvlei no 1020,  
Division Malmesbury

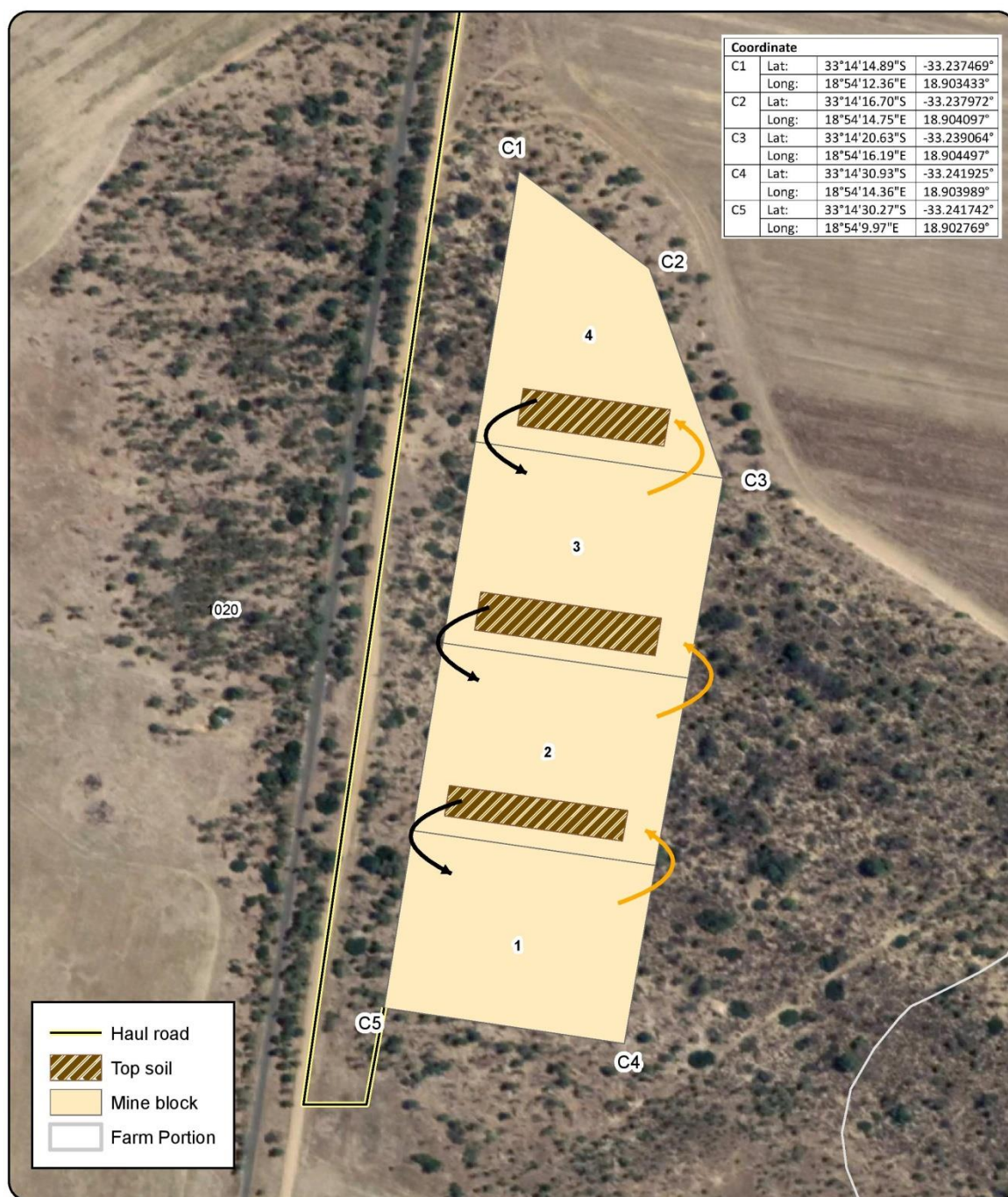


Date: 25/06/2019

PO Box 557, Moorreesburg, 7310, Cell 0722026587, Fax 086 697 2069, [planscape@telkomsa.net](mailto:planscape@telkomsa.net)

## ANNEXURE 6.11

### **PRELIMINARY MINE PLAN**



## Preliminary mine plan

Remainder Sandvlei no 1020,  
Division Malmesbury



Date: 25/06/2019

PO Box 557, Moorreesburg, 7310, Cell 0722026587, Fax 086 697 2069, [planscape@telkomsa.net](mailto:planscape@telkomsa.net)

## ANNEXURE 6.12

### **FINANCIAL AND TECHNICAL COMPETANCE REPORT**



**NAME OF APPLICANT:** Tip Trans Resources (PTY) Ltd

**REFERENCE NUMBER:** Sandvlei sand mine

## **FINANCIAL AND TECHNICAL COMPETENCE REPORT**

**SUBMITTED FOR A MINING PERMIT APPLICATION**

**AS REQUIRED IN TERMS OF ITEM B OF FORM F, ANNEXURE I OF THE REGULATIONS FOR THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT (ACT 28 of 2002), AND IN ACCORDANCE WITH THE STANDARD DIRECTIVE FOR THE COMPILATION THEREOF AS PUBLISHED ON THE OFFICIAL WEBSITE OF THE DEPARTMENT OF MINERAL RESOURCES.**



**mineral resources**

Department:  
Mineral Resources  
REPUBLIC OF SOUTH AFRICA



### **STANDARD DIRECTIVE**

**All applicants for mining permits are herewith, in terms of the provisions of Section 29 (a) of the Mineral and Petroleum Resources Development Act, directed to submit a report strictly in accordance with the following format, and as informed by the guideline posted on the Departments Official Website, together with an application for a mining permit.**

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**NOTE !** If any person (including the applicant) provides services in any job or skills category at a reduced rate or free of charge, then such person's Curriculum Vitae (CV) must be attached as documentary proof of the technical ability available to the applicant.

TABLE 1

[illegible]

4

2. ABILITY TO MANAGE AND REHABILITATE RELEVANT ENVIRONMENTAL IMPACTS

TABLE 2 Environmental cost estimate.

ACTIVITY Mark with X which activities are applicable	POTENTIAL IMPACT	MITIGATION MEASURE	STATE QUARTERLY COST OF MITIGATION MEASURES IN THE AVAILABLE SPACE BELOW, IN RANDS	STATE THE ESTIMATED REHABILITATION COST RELATED TO THE ACTIVITY IN THE AVAILABLE SPACE BELOW, IN RANDS
Excavating	Surface disturbance	Rehabilitation		120 000
	Dust	Dust control measures	0	
	Noise	Noise control measures	0	
	Contaminated Drainage	Storm water system	0	
Blasting	Fly Rock	Access control measures	0	
Stockpiles	Surface disturbance	Rehabilitation		0
	Dust	Dust Control Measures	0	
	Contaminated Drainage	Storm water system	0	
Discard dumps or dams	Surface Disturbance	Rehabilitation		0
	Dust	Dust control Measures	0	
	Contaminated Drainage	Storm water system	0	
Loading, hauling and transport	Noise	Noise control measures	0	
	Dust	Dust control Measures	0	
Water supply dams and boreholes.	Surface disturbance	Rehabilitation		0
Accommodation, offices, ablution, stores, workshops etc.	Surface disturbance	Rehabilitation		0
Processing Plant	Noise	Noise control measures	0	
	Dust	Dust control Measures	0	
	Contaminated Drainage	Storm water system	0	
	Surface disturbance	Rehabilitation		0
TOTAL				120 000

3. FINANCIAL COMPETENCE

TABLE 3.1 : Financial implications of the project

CASH FLOW FORECAST									
(Complete the quarterly information and totals as specified by the "ITEM" column below)									
ITEM	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 5	Quarter 6	Quarter 7	Quarter 8	TOTAL
<b>PRODUCTION</b> The mass or volume of the product to be produced in each quarter, either in tons, m <sup>3</sup> , grams, carats, etc., whichever is applicable.	8875	8875	8875	8875	8875	8875	8875	8875	71 000
<b>PRICE</b> The expected price that will be received for the abovementioned product	Quarter 1 R'000	Quarter 2 R'000	Quarter 3 R'000	Quarter 4 R'000	Quarter 5 R'000	Quarter 6 R'000	Quarter 7 R'000	Quarter 8 R'000	TOTAL R'000
<b>REVENUE</b> The mass or volume of production multiplied by the price	R65.00 / m3	R65.00 / m3	R65.00 / m3	R65.00 / m3	R65.00 / m3	R65.00 / m3	R65.00 / m3	R65.00 / m3	?????
<b>OPERATING COST</b> Estimated quarterly operating cost (as shown in table 4.2 herein) of stores, materials, electricity, water, fuel and other (Excluding labour and environmental cost)	577	577	577	577	577	577	577	577	4616
<b>TECHNICAL COMPETENCE COST TO BE PROVIDED FOR</b> Estimated quarterly cost shown in table 1 above, i.e. salaries, wages, labour, service providers, subcontractors, etc.	150	150	150	150	150	150	150	150	1200
<b>ENVIRONMENTAL COST</b> Estimated quarterly cost shown in table 2 above and divide the total rehabilitation cost among the quarters. The total of the environmental cost must equal all the quarterly environmental costs and the total rehabilitation cost combined.	102	102	102	102	102	102	102	102	816
<b>CAPITAL AND OTHER</b> The cost (as shown in table 4.1 herein) of land, machinery, the plant, buildings and infrastructure and any other costs.	15	15	15	15	15	15	15	15	120
<b>WORKING PROFIT / LOSS</b> The revenue minus all the costs listed above	0	0	0	0	0	0	0	0	0
<b>NOTE!</b> If the total is a working loss, then it means that the applicant cannot provide for the technical ability or mine the mineral optimally in a period of two years.	310	310	310	310	310	310	310	310	2480

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TABLE 3.2- FINANCING THE PROJECT

CATEGORY	AMOUNT	SUPPORTING INFORMATION
State the amount required to fund the project	120 000	
State the amount the applicant has available to fund the project	See annexure 6.12	Attach documentary proof that the amount is available in the form of a bank statement.,
State the outstanding amount required to fund the project	0	

CATEGORY	DESCRIPTION	SUPPORTING INFORMATION
State how the outstanding amount will be financed, e.g. Loan, investor, etc.	n/a	Attach documentary proof of any financing agreement, or other relevant evidence

**NOTE ! If the applicant does not have sufficient financial resources readily available (or cannot provide) for the working losses, and for the operating, technical competence and working cost of the first quarter stated in the cash flow forecast above, it cannot be concluded that the applicant has or can provide for the necessary financial resources to carry out the mining activities and to mitigate and rehabilitate relevant environmental impacts.**

#### 4. SUPPORTING INFORMATION

TABLE 4.1- CAPITAL COST ESTIMATE: Complete the information required in the table below

COST CATEGORY	QUARTERLY RENTAL WHERE APPLICABLE R'000	OUTRIGHT PURCHASE AMOUNT
Land	0	0
Buildings and infrastructure	0	0
Processing plant	0	0
Machinery	0	0 (machinery is available)
Other (specify) n/a	0	0
<b>TOTAL (to be reflected in the cash flow forecast in table 3.1 above)</b>	0	0

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**TABLE 4.2- OPERATING COSTS: Complete the information below:-**

<b>COST CATEGORY</b>	<b>Quarterly cost R'000</b>
Fuel	120
Electricity	0
Water	0
Stores and materials	0
Other (specify) Vehicle reparations and licenses	30
<b>TOTAL QUARTERLY COST (must be reflected in the cash flow forecast in table 3.1 above)</b>	<b>150</b>

**TABLE 4.3- BACKGROUND TO OPERATING COSTS: Complete the information below:-**

<b>CATEGORY</b>	<b>REQUIREMENT</b>	<b>COMPLETE THIS COLUMN</b>
<b>MINERAL</b>	State the mineral to be mined	Sand
<b>FUEL</b>	State volume or tonnage of earth to be excavated per quarter	8875 cubic meter
	State number of excavators to be used	1
	State number of loaders to be used	1
	State number of trucks to be used	0
<b>ELECTRICITY</b>	State volume or tonnage of material to be processed in the plant	n/a
	List plant or equipment that requires electricity	n/a
<b>WATER</b>	State volume of water to be used	n/a
	Where will the water be obtained?	n/a
<b>OTHER</b>	Describe other operating costs to be incurred, if applicable	n/a

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5. IDENTIFICATION OF THE REPORT

Herewith I, the person whose name and identity number is stated below, confirm that I am the person authorised to act as representative of the applicant in terms of the resolution submitted with the application, and confirm that the above report and appendices comprise the details and documentary proof of the Financial and Technical ability required to be submitted with this application in terms of form F, annexure I of the MPRDA Regulations.	
Full Names and Surname	Martin Langenhoven
Identity Number	6712125009

.....END.....

## ANNEXURE 6.13

### **BANK STATEMENT**







