

APPENDIX J

COPY OF DEA APPLICATION FORM



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

	(For official use only)
File Reference Number:	
NEAS Reference Number:	DEA/EIA/
Date Received:	

Application for authorisation in terms of the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended (the Regulations)

PROJECT TITLE

Vaal Gamagara Regional Water Supply Scheme Phase 2: Upgrading of the Existing Scheme

Indicate if the **DRAFT** report accompanies the application

Yes
No

PRE-APPLICATION CONSULTATION

Was a pre-application meeting held	Yes
Date of the pre-application meeting	15 March 2019
Reference number of pre-application meeting held	2019-02-0003
Was minutes compiled and submitted to the Department for approval	Yes

A copy of the pre-application meeting minutes must be appended to this application as **APPENDIX 1**.

Kindly note the following:

1. This form must always be used for applications that must be subjected to Basic Assessment or Scoping & Environmental Impact Reporting where this Department is the Competent Authority.
2. This application form is current as of 01 September 2018. It is the responsibility of the Applicant / Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the form have been published or produced by the Competent Authority. The latest available Departmental templates are available at <https://www.environment.gov.za/documents/forms>.
3. The onus on Applicant/EAP to determine all applicable listed activities that would require Environmental Authorisation prior to the commencement of the construction activities. Should any revision of your development comprise any other activities that constitute a listed activity/ies as defined in GN R983, R984 and R98 of 04 December 2014, as amended, it must also form part of the Application for Environmental Authorisation.
4. An application fee is applicable (refer to **Section 2**). Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for in the Fee Regulations is applicable AND such information in the exclusion section of this application form has been confirmed by this Department.
5. A cover letter on your company letterhead indicating the nature of this application must be appended to this form i.e. new application for Environmental Authorisation, updated application for Environmental Authorisation.
6. An electronic copy (in the form of a USB) of the signed application form must be submitted together with two hardcopies (one of which must contain the original signatures of both the Applicant and EAP).
7. This form must be marked "**for Attention: Chief Director: Integrated Environmental Authorisations**" and submitted to the Department at the postal or physical addresses contained in this form.

8. All documentation delivered to the physical address contained in this form must be delivered during the official Departmental Officer Hours which is visible on the Departmental gate.
9. All EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted, only hardcopy submissions are accepted.
10. The required information must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing. A legible font type and size must be used when completing the form. The font size should not be smaller than 10pt (e.g. Arial 10).
11. Where applicable black out the boxes that are not applicable in the form.
12. The use of the phrase "not applicable" in the form must be done with circumspection. Where it is used in respect of material information that is required by the Competent Authority for assessing the application, this may result in the rejection of the application as provided for in the Regulations.
13. Unless protected by law, all information contained in and attached to this application, will become public information on receipt by the Competent Authority. Upon request during any stage of the application process, the Applicant / EAP must provide any registered interested and affected party with the information contained in and attached to this application.
14. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
15. Please note that this form must be copied to the relevant Provincial Environmental Department(s)
16. An application for Environmental Authorisation/Amendment lapses if the applicant fails to meet any of the timeframes prescribed in terms of the EIA Regulations, 2014, as amended.

Departmental Details

Postal address:

Department of Environmental Affairs
Attention: Chief Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Physical address:

Department of Environmental Affairs
Attention: Chief Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia

Queries must be directed to the Directorate: Coordination, Strategic Planning and Support at:
Email: EIAAdmin@environment.gov.za

1. COMPETENT AUTHORITY

Identified Competent Authority to consider the application:

Department of Environment, Forestry and Fisheries (DEFF)

Reason(s) in terms of S24C of NEMA:

The Competent Authority for the environmental assessment is DEFF as the project proponent (Sedibeng Water) is a statutory body in terms of NEMA Section 24C.

2. FEES

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof of payment or a motivation for exclusions must be attached as **APPENDIX 2** of this application form.

Proof of payment	<input type="checkbox"/>
Exclusion applies	<input checked="" type="checkbox"/>

An applicant is excluded from paying fees if:

- The activity is a community based project funded by a government grant; or
- The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	<input type="checkbox"/>
The applicant is an organ of state	<input checked="" type="checkbox"/>

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000

Department of Environmental Affairs' banking details for the payment of application fees:

<p>Payment Enquiries: Email: eiafee@environment.gov.za</p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account</p> <p>Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude eg. -33.918861/18.423300</p> <p>Status: Tax exempted</p>
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3. GENERAL INFORMATION

Name of the Applicant:	Sedibeng Water		
RSA Identity/ Passport Number:	-		
Name of contact person for applicant (if other):	Mr I.M. Hasenjager		
RSA Identity/ Passport Number:	5705045120085		
Responsible position, e.g. Director, CEO, etc.:	New Business Development		
Company/ Trading name (if any):	-		
Company Registration Number:	-		
BBBEE status:	Sedibeng Water is a Public Entity.		
Physical address:	Uitkoms, Vaal Gamagara, Delportshoop, 8377		
Postal address:	Private Bag X1, Delportshoop		
Postal code:	8377	Cell:	082 806 8624
Telephone:	053 562 9300	Fax:	
E-mail:	lhasenjager@sedibengwater.co.za		

Name of the landowner:	<i>Refer to list of landowners contained in Appendix 3.</i>		
Name of contact person for landowner (if other):			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:			

Name of Person in control of the land:	<i>Refer to list of landowners contained in Appendix 3.</i>		
Name of contact person for person in control of the land:			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:			

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **APPENDIX 3**.

Unless the application is in respect of linear activities or Strategic Infrastructure Projects as contemplated in the Infrastructure Development Act (Act No. 23 of 2014), written consent of landowner/s must be submitted in **APPENDIX 3**.

The declaration undertaking by the applicant must be submitted as **APPENDIX 9**.

Provincial Environmental Authority:	Northern Cape Department of Environment and Nature Conservation (DENC)		
Name of contact person:	Dineo Moleko		
Postal address:	Private Bag X6102, Kimberley		
Postal code:	8300	Cell:	079 080 9456
Telephone:	053 807 7430	Fax:	053 831 3530
E-mail:	dmoleko@ncpg.gov.za		

Local Municipality:	<i>Refer to list of Local Municipalities contained in Appendix 4.</i>		
Name of contact person in (Environmental Section)			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:			

In instances where there is more than one Local/Provincial Authority involved, please attach a list of those Local/Provincial Authorities with their contact details as **APPENDIX 4**.

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

Company of Environmental Assessment Practitioner:	Nemai Consulting		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	1	Percentage Procurement recognition
EAP name:	Donavan Henning		
EAP Qualifications:	MSc Freshwater Ecology		
Professional affiliation/registration:	<ul style="list-style-type: none"> Environmental Assessment Practitioners of South Africa (EAPSA) SACNASP - Professional Natural Scientist (Registration No. 400108/17) 		
Physical address:	No. 147 Bram Fischer Drive, Ferndale, 2194		
Postal address:	P.O. Box 1673, SUNNINGHILL		
Postal code:	2157	Cell:	082 891 0604
Telephone:	011 781 1730	Fax:	011 781 1731
E-mail:	donavanh@nemai.co.za		

The appointed EAP must meet the requirements of Regulation 13 of GN R982 of 04 December 2014, as amended. The declaration of independence of the EAP and undertaking under oath or affirmation that all the information submitted or to be submitted for the purposes of the application is true and correct must be submitted as **APPENDIX 10**.

5. PROJECT DESCRIPTION

Please provide a detailed description of the project.

A. PROJECT BACKGROUND & MOTIVATION

The Vaal Gamagara Regional Water Supply Scheme (VGRWSS) is a water supply scheme located in the Northern Cape Province that was completed in 1968 by the Department of Water Affairs, now Department of Human Settlements, Water and Sanitation (DHSWS), and transferred to Sedibeng Water in 2008. The Scheme currently supplies approximately 22 million m³/a to domestic consumers, mines and farmers. The Scheme transfers water from Delportshoop on the Vaal River (60km to the north west of Kimberley) via Postmasburg to the iron ore mines at Kathu. From Kathu, a pipeline continues to the manganese mines at Hotazel and finally terminates at Black Rock.

The existing VGRWSS consists of a water treatment works (WTW) that can treat 13.27 million m³/a (36 MLD) water, pumps, 11 reservoirs and 370km of pipes that deliver potable water to users. The pipeline has the capacity to convey approximately 15 million m³/a into the D41J and D41K catchments. The 13.27 million m³/a water is augmented to 28 million m³/annum by dewatering activities of the Kolomela, Beeshoek and Sishen mines to lower the groundwater table to ensure safe mining conditions.

The current scheme is operating at capacity and is not able to supply the increasing future water demands, and deal with the increasing water supply interruptions. The major driving force of the increased water demand is the iron ore and manganese mining operations. These mines of the Northern Cape produce 84% of South Africa's iron ore and 92% of the world's high-grade manganese deposits are in the Kalahari basin. Diamond and lime mining operations also contribute to the water demand, but to a lesser degree.

Secondary to the expected increased water demand are water supply interruptions that are amplified due to the aging infrastructure. The infrastructure, being 50 years old, is nearing the end of its useful life. Due to the condition of the pipelines, the full design capacity can no longer be supplied through this infrastructure. Total collapse in water supply will probably happen in the next 5 years if the infrastructure is not replaced/rehabilitated.

Feasibility studies were undertaken to determine the best option to rehabilitate and increase the capacity of the scheme to cater for increased water demands. Sedibeng Water subsequently proposed the upgrading of the VGRWSS via the following two phases:

- Phase I – upgrading the scheme from the Roscoe Reservoir to Blackrock (already in construction phase); and
- **Phase II – upgrading the scheme from Delportshoop to Olifantshoek** (focus of this application).

The Reconciliation Strategy and Water Master Plan study for the VGRWSS highlighted the potential for available groundwater resources in the general area served or proposed to be served by the pipeline to augment the bulk water supply. Areas were identified as possessing enhanced groundwater development potential, these areas were designated Source Development (SD) Areas. **Note that a separate application will be submitted to DEFF to seek authorisation for the proposed groundwater abstraction, and this will be assessed in a separate BAR.**

B. WATER DEMAND

A Feasibility Study and an Implementation Ready Study (IRS) for the Regional Bulk Infrastructure Grant (RBIG) programme for the refurbishment/upgrading of the VGRWSS project was drafted in 2011 and 2015 respectively. The Feasibility Study indicated that the then current water demand of 13.7 million m³/a should increase to approximately 40.06 million m³/a by the year 2030.

In 2016, Phase I of the project commenced which is currently under construction. With the commencement of Phase II, a recalculation of the water need and infrastructure options to meet the water demand in 2043 was undertaken. This was based on the future water demand according to demographic and economic growth scenarios, as well as the updated water balance.

Some towns supplement water from the VGRWSS with own boreholes and taking this into account, it is estimated that the municipalities will require 8.02 million m³/a from the scheme by 2038. Estimates for other users are: mines 15.8 million m³/a, solar plants 0.5 million m³/a, and Kalahari East Water User Association, government, parastatal entities another 4 million m³/a. Thus, the scheme's current water supply of 20 million m³/a is estimated to increase to approximately 28.4 million m³/a. This excludes distribution losses, peak factors and new users.

According to the holistic water balance overview, the scheme should be able to meet, on average per annum, the future water demand provided dewatering water is obtainable on a similar manner as in the past, the SD groundwater sources are developed, and the WTW is able to be operated at current capacity in the future.

Since the probability of supply of the dewatering sources is relatively low, the development and utilization of the SD groundwater sources is required to increase the total reliability of the scheme. In the unlikely event that the dewatering supply ceases(zero), the scheme should still be able to supply 92% of the 2043 demand with the SD groundwater and the Vaal River as sources.

C. PROJECT DESCRIPTION

An overview of the project components associated with the VGRWSS-II: Upgrading of the Existing Scheme, follows.

1) Water Abstraction Works –

The abstraction works at Delportshoop (shown in **Figure 1**) will require mechanical and electrical upgrading.



Figure 1: Delportshoop Abstraction works on the Vaal River

2) Water Treatment Works –

It is currently envisaged that the Delportshoop WTW (shown in **Figure 2**) will not undergo any major upgrades to the infrastructure. Provision was made to do refurbishment on pipework and repairs to buildings. The footprint of the WTW will remain the same.



Figure 2: Delportshoop WTW

3) Pipelines –

Water is currently pumped from the water treatment works via a 20.8 km long 687 mm diameter pipeline to Kneukel sump and pump station, from where it is pumped via a 47.8 km long 687 mm diameter pipeline to Trewill sump and pump station. From Trewill pump station water is pumped via a 30.3 km long 508 mm diameter pipeline to Clifton

reservoirs. Water is then conveyed from Clifton reservoirs in a 37.1 km long 762 mm diameter and 23.5 km long 660 mm diameter pipeline to Gloucester reservoir under gravity. Gloucester reservoir serves as a pressure break tank. From Gloucester water is conveyed under gravity to the rest of the system, initially through a 27.1 km long 900 mm pipeline up to the Olifantshoek branch and then a 23.4 km long 254 mm diameter pipeline towards Olifantshoek. A second decommissioned pipeline runs parallel to the existing pipeline between Delportshoop and Clifton. This pipe will be removed and the new pipe will be installed in the same trench.

The proposed scope of work for VGRWSS-II with regards to the abovementioned pipelines includes the following:

- ❖ Replacing of Pipeline from Beeshoek Connection to Roscoe;
- ❖ Replacing of Pipeline between Clifton and Beeshoek Connection;
- ❖ Replacing of the Rising Main from Delportshoop to Kneukel;
- ❖ Replacing of the Rising Main from Kneukel to Trewill;
- ❖ Replacing of the Rising Main from Trewill to Clifton; and
- ❖ Refurbishment/Replacement of Gravity Main from Roscoe to Olifantshoek.

Note that the replacement of the above sections of pipelines will take place within the existing servitude, and the existing pipelines will be decommissioned. It is anticipated that the construction servitude (temporary) will be 40m wide. Various views along the existing pipeline servitude are provided in **Figure 3**.



Figure 3: Views along the existing pipeline servitude

4) Pump Station –

The pump stations at Delportshoop, Kneukel (shown in **Figure 4**) and Trewill have capacity to upgrade mechanical and electrical components without major upgrades to the civil works. The footprint of the pump stations will remain the same.



Figure 4: Kneukel Pump Station and Sump

The following were identified in order to prioritise the pump station components for Vaal Gamagara Regional Supply Scheme: Phase 2:

- Upgrading of Trewill Pump Station and Sump;
- Upgrading of Kneukel Pump Station and Sump; and
- The Refurbishment of Delportshoop Pump Stations.

5) Reservoirs –

A 10Mℓ reservoir serves as a sump for the Delportshoop pump station and is located on the WTW site. Two identical 0.9Mℓ sumps are located at Kneukel and at Trewill pump stations. The main reservoir cluster is at Clifton (shown in **Figure 5**), located 98km from Delportshoop along the pipeline, where four identical structures provide a total storage of 27Mℓ. The Gloucester reservoir with a capacity of 6.75Mℓ is located 60km from the Clifton reservoirs. Olifantshoek reservoir is located 23km from Roscoe and has a capacity of 3Mℓ.

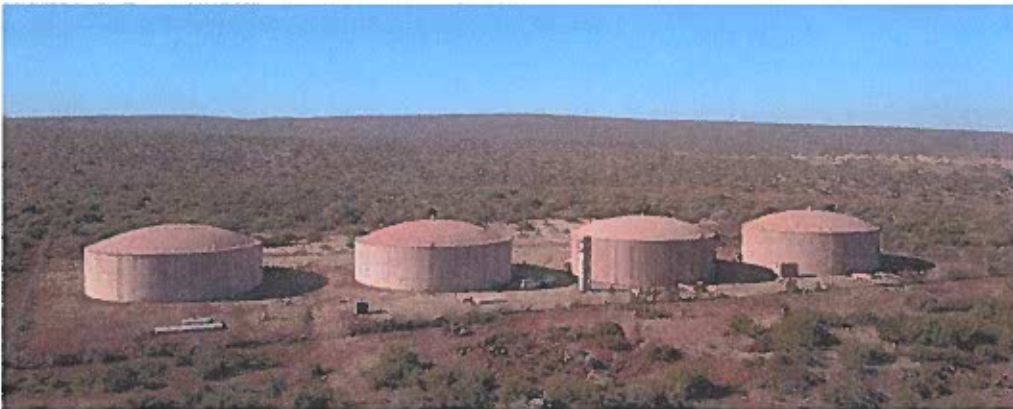


Figure 5: Clifton Reservoirs

The following were identified in order to prioritise the reservoir components for the project:

- Upgrading of Clifton, Gloucester Reservoirs and Trewill Sump; and
- Upgrading of Kneukel Sump.

The proposed upgrading of the Trewill Sump will entail the following:

- The current Trewill pump sump is a square reservoir with a capacity of 900kl. The existing sump will be duplicated and will fit within the existing site boundary.

The proposed upgrading of the Clifton Reservoir will entail the following:

- It is proposed that a single 6.7 Mℓ reservoir be added to satisfy the requirements of 2043. The existing site boundary already provides space for the addition of a new reservoir without purchasing any additional land portions.

The proposed upgrading of the Gloucester Reservoir will entail the following:

- The existing site boundary is not able to accommodate an additional reservoir and must be extended towards the north. A new area measuring 5800m² will be required to accommodate an additional 7.2 Mℓ reservoir.

D. ENVIRONMENTAL ASSESSMENT FOR UPGRADING OF VGRWSS PHASE II

The key pieces of legislation and the associated environmental assessments for the Upgrading of VGRWSS Phase II are listed in **Table 1**. A comprehensive legal framework will be included in the Basic Assessment Report, which will also include legislation related to specific environmental features (e.g. heritage and cultural resources, protected fauna and flora species, etc.).

Table 1: Environmental legislation and associated assessments for VGRWSS Phase II

	Upgrading of VGRWSS Phase II Component	NEMA ¹	MPRDA ²	NWA ³
1	Upgrade of the existing scheme (<i>this application</i>)	Basic Assessment – application to DEFF	-	Water Use Authorisation Process – application to DHSWS ⁵
2	SD 1 & SD2 Groundwater Abstraction	Basic Assessment – application to DEFF	-	
3	Borrow Pits	Scoping & EIA – application to DMRE ⁴		

1 - National Environmental Management Act (Act No. 107 of 1998)

2 - Mineral and Petroleum Resources Development Act (Act No. 28 of 2002)

3 - National Water Act (Act No. 36 of 1998)

4 - Department of Mineral Resources and Energy.

5 - Department of Human Settlements, Water and Sanitation.

The separation of the applications for (1) the upgrading of the existing scheme and (2) the SD1 and SD2 groundwater abstraction was discussed with and agreed to by DEFF during the Pre-Application Meeting held on 15 March 2019.

Does the project form part of a Renewable Energy Development Zone (REDZ) as per GN 114?	NO
Does the project form part of an Electricity Grid Infrastructure (EGI) as per GN 113?	NO
Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?	YES

If **YES**, please indicate which SIPs are applicable in **APPENDIX 5**. You are also required to provide confirmation of SIP applications from the relevant sector representative which must be attached in **APPENDIX 5**. Please include further detail on a REDZ/EGI application in the Project Description and illustrate on the maps attached to this form.

Is the project subject to the Integrated Resource Plan 2010 – 2030 (IRP) bidding process?	NO
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Please indicate which sector the project falls under by crossing out the relevant block in the table below:

Table 1

Infrastructure /Transport Services/Roads - Public	Services/Waste Management Services/Disposal facilities - Hazardous	
Infrastructure /Transport Services/Roads - Private	Services/Waste Management Services/Disposal facilities - Nuclear	
Infrastructure /Transport Services/Rail - Public	Services/Waste Management Services/Disposal facilities - General	
Infrastructure /Transport Services/Rail - Private	Services/Waste Management Services/Treatment facilities - Hazardous	
Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Commercial	Services/Waste Management Services/Treatment facilities - General	
Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Private	Services/Waste Management Services/Storage Facilities - General	
Infrastructure /Transport Services/Airport/Runways/Landing Strip/Helipad - Public Services	Services/Waste Management Services/Storage Facilities - Hazardous	
Infrastructure /Transport Services - Ports	Services/Waste Management Services/Storage Facilities - Nuclear	
Infrastructure /Transport Services - Inland Waterways	Services/Burial and cemeteries - Cemeteries	
Infrastructure /Transport Services - Marina	Services/Burial and cemeteries - Cremators	
Infrastructure /Transport Services - Canal	Services/Water services/Storage - Dams	
Infrastructure /Localised infrastructure - Infrastructure in the Sea/Estuary/Littoral Active Zone/Development Setback/100M Inland/or coastal public property.	Services/Water services/Storage - Reservoirs	X
Infrastructure /Localised infrastructure - Zip Lines & Foefie Slides	Services/Water services - Desalination	
Infrastructure /Localised infrastructure - Cableway or Funiculars	Services/Water services - Treatment & Waste Water	
Infrastructure /Localised infrastructure - Billboards	Services - Hospitality	
Infrastructure /Localised infrastructure - Depot for dangerous goods	Mining - Prospecting rights	
Infrastructure /Localised infrastructure - Filling station or Tanks for dangerous goods	Mining - Mining Permit	
Utilities Infrastructure/Pipelines - Fresh/Storm Water Urban	Mining - Mining Right	X
Utilities Infrastructure/Pipelines - Fresh/ Storm Water Rural	Mining/Exploration Right - Gas or Oil Marine	X

Utilities Infrastructure/Pipelines - Waste Water	Mining/Exploration Right - Gas or Oil Terrestrial	
Utilities Infrastructure/Pipelines - Dangerous Goods Urban	Mining/Production Right - Gas or Oil Marine	
Utilities Infrastructure/Pipelines - Dangerous Goods Rural	Mining/Production Right - Gas or Oil Terrestrial	
Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Tower	Mining/Underground gasification of coal - Oil	
Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Mast	Mining/Beneficiation - Hydrocarbon	
Utilities Infrastructure/Telecommunications/ Radio Broadcasting - Receivers	Mining/Beneficiation - Mineral	
Utilities Infrastructure - Marine Cables	Agriculture/Forestry/ Fisheries - Crop Production	
Utilities Infrastructure/Electricity /Generation/Non Renewable/Hydrocarbon - Petroleum	Agriculture/Forestry/ Fisheries - Animal Production	
Utilities Infrastructure/Electricity /Generation/Non Renewable/Hydrocarbon - Coal	Agriculture/Forestry/ Fisheries - Afforestation	
Utilities Infrastructure/Electricity /Generation/Non Renewable - Nuclear	Agriculture/Forestry/ Fisheries - Aquaculture	
Utilities Infrastructure/Electricity /Generation/Renewable - Hydro	Agriculture/Forestry/ Fisheries - Agro-Processing	
Utilities Infrastructure/Electricity /Generation/Renewable/Solar - PV	Transformation of land - Indigenous vegetation	
Utilities Infrastructure/Electricity /Generation/Renewable/Solar - CSP	Transformation of land - From open space or Conservation	
Utilities Infrastructure/Electricity /Generation/Renewable - Wind	Transformation of land - From agriculture or afforestation	
Utilities Infrastructure/Electricity /Generation/Renewable - Biomass/ biofuels	Transformation of land - From mining or heavy industrial areas	
Utilities Infrastructure/Electricity /Generation/Renewable - Wave	Any activities within or close to a watercourse	X
Utilities Infrastructure/Electricity /Distribution and Transmission - Power line	Any activity in an estuary, on the seashore, in the littoral active zone, or in the sea.	
Utilities Infrastructure/Electricity /Distribution and Transmission/Substation -	Activity requiring permit or licence in terms of National or Provincial legislation governing the release or generation of emissions - Emissions	
Release of Genetically Modified Organisms	Activity requiring permit or licence - Marine Effluent	
	Activity requiring permit or licence - Fresh Water Effluent	

Table 2

Does the listed activity/ies applied for form part of a larger project which is not a listed activity itself e.g. a road that is a listed activity that is needed to access a drilling site where the drilling does not constitute a listed activity.	NO
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that forms part there of: N/A	

6. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province/s	Northern Cape Province
District Municipality/ies	<ul style="list-style-type: none"> • Frances Baard District Municipality • ZF Mgcawu District Municipality • John Taolo Gaetsewe District Municipality
Local Municipality/ies	<ul style="list-style-type: none"> • Dikgatlong Local Municipality • Kgatelopele Local Municipality • Tsantsabane Local Municipality • Gamagara Local Municipality
Ward number/s	Based on the Ward Delimitation of 2016 by the Municipal Demarcation Board: <ul style="list-style-type: none"> • Dikgatlong Local Municipality – Ward 6. • Kgatelopele Local Municipality – Wards 2 and 4. • Tsantsabane Local Municipality – Wards 1, 3, 5 and 6. • Gamagara Local Municipality – Wards 3, 4 and 5.
Nearest town/s	The VGRWSS Phase 2 starts at the Delpportshoop WTW and runs through the towns of Hey, Lime Acres, Postmasburg and Olifantshoek.
Farm name/s and number/s	Refer to list of affected properties contained in Appendix 6.
Portion number/s	Refer to list of affected properties contained in Appendix 6.

Surveyor General 21 digit code:

(If there are more than 4, please attach a list with the rest of the codes as **APPENDIX 6**. Where the 21 digit SGID and farm name are not available, the coordinates of the boundary of the property or properties must be provided in **APPENDIX 6**.)

Refer to list of Surveyor General 21 digit codes contained in Appendix 6.				
1	2	3	4	5

Locality map:	<p>A locality map must be attached to the application form, as APPENDIX 7. The scale of the locality map must be at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map. The map must include the following:</p> <ul style="list-style-type: none"> • an accurate indication of the project site position as well as the positions of the alternative sites, if any; • road names or numbers of all the major roads as well as the roads that provide access to the site(s) • a north arrow; • a legend; • the prevailing wind direction; • site sensitivities, including but not limited to vegetation, wetlands, watercourses, heritage sites, critical biodiversity area/s, World Heritage Site, etc. and it must be overlaid by the study area; and • GPS co-ordinates (Indicate the position of the proposed activity with the latitude and longitude at the centre point for each alternative site. The co-ordinates should be in degrees and decimal minutes. The minutes should be to at least three decimal places. The projection that must be used in all cases is the WGS-84 spheroid in a national or local projection)
Project Plan (e.g. Gantt chart)	<p>A project schedule must be submitted as APPENDIX 8, and must include milestones for:</p> <ul style="list-style-type: none"> • public participation (dates for advertisements, workshops and other meetings, obtaining comment from organs of state including state departments); • the commencement of parallel application processes required in terms of other statutes and where relevant, the alignment of these application processes with the EIA process; • the submission of the key documents (e.g. Basic Assessment Report, Scoping Reports, EIA Reports and Environmental Management Programmes). <p>Note: All the above dates must take into account the statutory timeframes for authority responses that are stipulated in the 2014 NEMA EIA Regulations. Possible appeals may impact on project</p>

	<p>timeframes/milestones. Regulation 45 states that "An application in terms of these Regulations lapses, and a competent authority will deem the application as having lapsed, if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless extension has been granted in terms of regulation 3(7)." It is recommended that the Department be approached for guidance on the process to be followed, prior to submitting an application.</p>
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7. ACTIVITIES APPLIED FOR

For an application for authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be provided below.

Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 1 (GN R983)	Describe the portion of the proposed project to which the applicable listed activity relates.
GN983 Activity 9(i)	<p>The development of infrastructure <u>exceeding 1000 metres in length for the bulk transportation of water or storm water-</u></p> <p>(i) <u>with an internal diameter of 0,36 metres or more;</u> or</p> <p>(ii) <u>with a peak throughput of 120 litres per second or more;</u> excluding where-</p> <p>(a) such infrastructure is for bulk transportation of water or storm water or storm water drainage inside a road reserve or railway line reserve; or</p> <p>(b) where such development will occur within an urban area.</p>	<p>The project entails the transportation of water in pipelines exceeding 1000m in length and 0.36m in internal diameter.</p>
GN983 Activity 12(ii)(a)(c)	<p>The development of -</p> <p>(i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or</p> <p>(ii) <u>infrastructure or structures with a physical footprint of 100 square metres or more;</u></p> <p>where such development occurs -</p> <p>(a) <u>within a watercourse;</u> (b) in front of a development setback; or (c) <u>if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; -</u></p> <p>Excluding –</p> <p>(aa) the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;</p> <p>(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;</p> <p>(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;</p> <p>(dd) where such development occurs within an urban area;</p> <p>(ee) where such development occurs within existing roads, road reserves or railway line reserves; or</p> <p>(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.</p>	<p>Various infrastructure and structures with a physical footprint of 100 square metres or more within watercourse(s) / within 32 m from watercourse(s), including:</p> <ul style="list-style-type: none"> • Pipeline crossings; • Access roads' crossings; and • Encroachments by other project infrastructure

<p>GN983 Activity 14</p>	<p>The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres.</p>	<p>"Dangerous goods" that are likely to be associated with the greater project, are fuel stores, as well as any dangerous goods to be used during the construction phase. Threshold of 80 m³ is expected to be exceeded.</p> <p>Fuel and other dangerous goods will be stored at all site establishments.</p>
<p>GN983 Activity 19</p>	<p>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse;</p> <p>but excluding where such infilling, depositing, dredging, excavation, removal or moving -</p> <p>(a) will occur behind a development setback;</p> <p>(b) is for maintenance purposes undertaken in accordance with a maintenance management plan;</p> <p>(c) falls within the ambit of activity 21 in this Notice, in which case that activity applies;</p> <p>(d) occurs within existing ports or harbours that will not increase the development footprint of the port or harbour; or</p> <p>(e) where such development is related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies.</p>	<p>Various infrastructure within watercourse(s), including:</p> <ul style="list-style-type: none"> • Pipeline crossings; and • Access roads' crossings.
<p>GN983 Activity 24(ii)</p>	<p>The development of a road -</p> <p>(i) for which an environmental authorisation was obtained for the route determination in terms of activity 5 in Government Notice 387 of 2006 or activity 18 in Government Notice 545 of 2010; or</p> <p>(ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres;</p> <p>but excluding a road -</p> <p>(a) which is identified and included in activity 27 in Listing Notice 2 of 2014;</p> <p>(b) where the entire road falls within an urban area; or</p> <p>(c) which is 1 kilometre or shorter.</p>	<p>Access roads to the various sites (construction and operational phases) are expected to exceed thresholds.</p>
<p>GN983 Activity 27</p>	<p>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 -</p> <p>(i) the undertaking of a linear activity; or</p> <p>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>Clearance of areas associated with the construction footprint, such as laydown areas, general site establishment and spoil sites.</p> <p>Status of vegetation to be confirmed as part of the Terrestrial Ecological Study.</p>
<p>GN983 Activity 30</p>	<p>Any process or activity identified in terms of section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004).</p>	<p>Possible occurrence of sensitive biodiversity features at affected areas. To be confirmed as part of the Terrestrial Ecological Study.</p>
<p>GN983 Activity 31(i)</p>	<p><u>The decommissioning of existing facilities, structures or infrastructure for -</u></p>	<p>The replacement of the existing sections of pipeline will take place within the existing servitude. The intention is for the existing</p>

	<p>(i) <u>any development and related operation activity or activities listed in this Notice, Listing Notice 2 of 2014 or Listing Notice 3 of 2014;</u></p> <p>(ii) <u>any expansion and related operation activity or activities listed in this Notice, Listing Notice 2 of 2014 or Listing Notice 3 of 2014;</u></p> <p>(iii)</p> <p>(iv) <u>any phased activity or activities for development and related operation activity or expansion or related operation activities listed in this Notice or Listing Notice 3 of 2014; or</u></p> <p>(v) <u>any activity regardless the time the activity was commenced with, where such activity:</u></p> <p style="padding-left: 20px;">(a) <u>is similarly listed to an activity in (i) or (ii) above; and</u></p> <p style="padding-left: 20px;">(b) <u>is still in operation or development is still in progress;</u></p> <p>excluding where -</p> <p>(aa) <u>activity 22 of this notice applies; or</u></p> <p>(bb) <u>the decommissioning is covered by part 8 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case the National Environmental Management: Waste Act, 2008 applies.</u></p>	<p>pipelines to be decommissioned. These pipelines will remain in situ.</p> <p>Decommissioning of fuel storage areas after construction.</p>
<p>GN983 Activity 45(i)(a) & (b)</p>	<p>The <u>expansion of infrastructure for the bulk transportation of water or storm water where the existing infrastructure -</u></p> <p><u>(i) has an internal diameter of 0.36 metres or more;</u> or</p> <p><u>(ii) has a peak throughput of 120 litres per second or more; and</u></p> <p><u>(a) where the facility or infrastructure is expanded by more than 1 000 metres in length; or</u></p> <p><u>(b) where the throughput capacity of the facility or infrastructure will be increased by 10% or more;</u></p> <p>excluding where such expansion -</p> <p>(aa) <u>relates to transportation of water or storm water within a road reserve or railway line reserve; or</u></p> <p>(bb) <u>will occur within an urban area.</u></p>	<p>The project entails the replacement of existing sections of pipeline that have internal diameters exceeding 0.36m.</p>
<p>GN983 Activity 48(i)(a) & (c)</p>	<p>The expansion of—</p> <p><u>(i) infrastructure or structures where the physical footprint is expanded by 100 square metres or more; or</u></p> <p><u>(ii) dams or weirs, where the dam or weir, including infrastructure and water surface area, is expanded by 100 square metres or more;</u></p> <p>where such expansion occurs—</p> <p><u>(a) within a watercourse;</u></p> <p><u>(b) in front of a development setback; or</u></p> <p><u>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;</u></p>	<p>Sections where the existing pipelines traverse watercourses will be replaced.</p>

	<p>excluding—</p> <p>(aa) the expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;</p> <p>(bb) where such expansion activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;</p> <p>(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;</p> <p>(dd) where such expansion occurs within an urban area; or</p> <p>(ee) where such expansion occurs within existing roads, road reserves or railway line reserves.</p>	
<p>GN983 Activity 56(ii)</p>	<p><u>The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre</u></p> <p>=</p> <p>(i) where the existing reserve is wider than 13,5 meters; or</p> <p><u>(ii) where no reserve exists, where the existing road is wider than 8 metres;</u></p> <p>excluding where widening or lengthening occur inside urban areas.</p>	<p>Access roads to the various sites (construction and operational phases).</p>
<p>Activity No(s):</p>	<p>Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 3 (GN R985)</p>	<p>Describe the portion of the proposed project to which the applicable listed activity relates.</p>
<p>GN985 Activity 2(g)(ii)(bb)(dd)</p>	<p>The development of <u>reservoirs</u>, excluding dams, with a <u>capacity of more than 250 cubic metres</u>.</p> <p>g. <u>Northern Cape</u></p> <p>ii. <u>Outside urban areas:</u></p> <p>(bb) <u>Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority.</u></p> <p>(dd) <u>Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</u></p>	<p>Possibility to develop new storage at, Trewill, Clifton and Gloucester with capacity of $0.9+6.7+7.2 = 14.8$ MI</p>
<p>GN985 Activity 4(g)(ii)(cc)(ee)</p>	<p>The development of a <u>road wider than 4 metres with a reserve less than 13,5 metres.</u></p> <p>g. <u>Northern Cape</u></p> <p>ii. <u>Outside urban areas:</u></p> <p>(cc) <u>Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority.</u></p> <p>(ee) <u>Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</u></p>	<p>Access roads to the various sites (construction and operational phases) are expected to exceed thresholds. Dimensions to be confirmed.</p> <p>Activity to be confirmed following Terrestrial Ecological Study.</p>
<p>GN985 Activity 10(g)(iii)(cc)(ee)</p>	<p>The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres.</p>	<p>"Dangerous goods" that are likely to be associated with the greater project, are fuel stores, as well as any dangerous goods to be used during the construction phase. Threshold of 30 m³ expected to be</p>

	<p>g. Northern Cape</p> <p>iii. Outside urban areas:</p> <p>(cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority.</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>exceeded. Fuel and other dangerous goods will be stored at all site establishments.</p> <p>Activity to be confirmed following Terrestrial Ecological Study.</p>
<p>GN985 Activity 12(g)(ii)</p>	<p>The <u>clearance of an area of 300 square metres or more of indigenous vegetation</u> except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</p> <p>g. Northern Cape</p> <p>ii. <u>Within critical biodiversity areas identified in bioregional plans.</u></p>	<p>Clearance of areas associated with the construction footprint, such as laydown areas and general site establishment.</p> <p>Activity to be confirmed following Terrestrial Ecological Study.</p>
<p>GN985 Activity 14(ii)(a)(c) (g)(ii)(dd)(ff)</p>	<p>The development of -</p> <p>(i) dams or weirs, where the dam or weir, including infrastructure and water surface area exceeds 10 square metres; or</p> <p>(ii) <u>infrastructure or structures with a physical footprint of 10 square metres or more;</u></p> <p>where such development occurs -</p> <p>(a) <u>within a watercourse;</u></p> <p>(b) in front of a development setback; or</p> <p>(c) <u>if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</u></p> <p>excluding the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour.</p> <p>g. Northern Cape</p> <p>ii. Outside urban areas:</p> <p>(dd) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority.</p> <p>(ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>Various infrastructure within watercourse(s) / within 32 m from watercourse(s), including:</p> <ul style="list-style-type: none"> • Pipeline crossings; and • Access roads' crossings. <p>Activity to be confirmed following Terrestrial Ecological Study.</p>
<p>GN985 Activity 18(g)(ii) (cc)(ee)(ii)</p>	<p>The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre.</p> <p>g. Northern Cape</p> <p>ii. Outside urban areas:</p> <p>(cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority.</p>	<p>Access roads to the various sites (construction and operational phases) are expected to exceed thresholds. Dimensions to be confirmed.</p> <p>Activity to be confirmed following Terrestrial Ecological Study.</p>

	<p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p> <p>(ii) Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland.</p>	
<p>GN985 Activity 23(ii)(a) & (c) (g)(ii) (cc)(ee)</p>	<p><u>The expansion of -</u></p> <p>(i) dams or weirs where the dam or weir is expanded by 10 square metres or more; or</p> <p>(ii) <u>infrastructure or structures where the physical footprint is expanded by 10 square metres or more;</u> where such expansion occurs -</p> <p>(a) <u>within a watercourse;</u></p> <p>(b) in front of a development setback adopted in the prescribed manner; or</p> <p>(c) <u>if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</u></p> <p>excluding the expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour.</p> <p>g. Northern Cape</p> <p>ii. Outside urban areas:</p> <p>(cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority.</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>Upgrade of existing watercourse crossings along pipeline and access road(s).</p> <p>Activity to be confirmed following Terrestrial Ecological Study.</p>
<p>GN985 Activity 26</p>	<p><u>Phased activities for all activities -</u></p> <p>i. listed in this Notice and as it applies to a specific geographical area, which commenced on or after the effective date of this Notice; or</p> <p>ii. similarly listed in any of the previous NEMA notices, and as it applies to a specific geographical area, which commenced on or after the effective date of such previous NEMA Notices - where any phase of the activity was below a threshold but where a combination of the phases, including expansions or extensions, will exceed a specified threshold; -</p> <p>excluding the following activities listed in this Notice—</p> <p>7; 8; 11; 13; 20; 21; and 24.</p>	<p>Possible phased activities that may collectively trigger this listed activity.</p>
<p>Activity No(s):</p>	<p>Provide the relevant Scoping and EIR Activity(ies) as set out in Listing Notice 2 (GN R984)</p>	<p>Describe the portion of the proposed project to which the applicable listed activity relates.</p>

Please note that any authorisation that may result from this application will only cover activities specifically applied for. Only those activities listed above shall be considered for authorisation. The onus is on the applicant to ensure that all applicable listed activities are included in the application. Environmental Authorisation must be obtained prior to commencement with each applicable listed activity.

Coordinate points indicating the location of each listed activity must be provided as part of **APPENDIX 6** as well part of the reports to be submitted. Coordinates must be provided in degrees, minutes and seconds using the Hartebeesthoek94 WGS84 co-ordinate system.

8. PUBLIC PARTICIPATION

Provide details of the public participation process proposed for the application as required by Regulation 41(2) of GN R982 of 04 December 2014, as amended.

As part of the project announcement phase the following tasks were / will still be undertaken:

1. Compile a database of potential Interested and Affected Parties (IAPs), which included -
 - a. Landowners, occupiers and/or persons in control of land affected by or adjacent to the footprint of the project's physical infrastructure;
 - b. Organ of state having jurisdiction in respect of any aspect of the activity;
 - c. The municipalities which have jurisdiction in the areas (see Section 6);
 - d. The municipal councillors of the Wards in which the project footprint is situated;
 - e. Ratepayers Associations (as relevant);
 - f. Custodians of infrastructure that will be affected by the project components (including *inter alia* Eskom, Transnet and Telkom);
 - g. Formal agricultural groups, including:
 - i. Agri Northern Cape
 - ii. Agri Postmasburg
 - iii. Tshiping Water User Association
 - iv. Daniëlskuil Agricultural Society
 - v. Papkuil Farmer's Association;
 - h. Specific interest groups (e.g. environmental, mining); and
 - i. Other.
2. Placing legal notices in the following newspapers –
 - a. Kathu Gazette (English; regional);
 - b. DFA (English; regional); and
 - c. Noordkaap (Afrikaans, regional).
3. Distributing a Background Information Document and Reply Form to all IAPs identified and included in the project database.
4. Erecting onsite notices (reflecting English and Afrikaans) at various locations along the project footprint. The sites were chosen to be conspicuous to and accessible by the public at the boundary or along the project components.
5. Notifying IAPs via bulk SMS.
6. Notifying landowners of directly affected and adjacent properties.
7. Convening the following Public Meetings:

Date	9 April 2019		10 April 2019	
Area	Delporthoop	Daniëlskuil	Postmasburg	Olifantshoek
Time	09h30 – 12h00	14h30 – 17h00	09h00 - 11h30	14h00 - 16h30

8. Compiling a Comments and Responses Report.

Public Participation tasks during the review of the Draft Basic Assessment Report will include (but not limited to) the following:

1. Lodging the Draft Basic Assessment Report in public domain, including electronic copy on Nema Consulting's website and hardcopies at public places such as libraries and municipal offices in Delporthoop, Daniëlskuil, Postmasburg and Olifantshoek;
2. Notifying registered IAPs of review of Draft Basic Assessment Report via onsite notices, newspaper notices, emails and bulk SMS's;
3. Convening Public Meetings and an Environmental Authorities Meeting to present the Draft Basic Assessment Report; and
4. Updating the Comments and Response Report.

IAPs will be notified of DEFF's decision and of the opportunity to appeal the decision in terms of the National Appeal Regulations, 2014.

9. OTHER AUTHORISATIONS REQUIRED

Are there any other applications for Environmental Authorisation on the same property?		YES	NO
		<i>To be confirmed</i>	
If YES, please indicate the following:			
Competent Authority			
Application Reference Number			
Project Name			
Please provide details of the steps taken to ascertain this information:			
Emails querying whether there are applications for Environmental Authorisation on the same properties as the proposed project were sent to the following authorities:			
i. Department of Environment, Forestry and Fisheries;			
ii. Northern Cape Department of Environment and Nature Conservation; and			
iii. Department of Mineral Resources and Energy.			

Applications in terms of the National Environmental Management Act ("NEMA") & specific environmental management Acts ("SEMA's"):

LEGISLATION	AUTHORISATION REQUIRED	APPLICATION SUBMITTED
National Water Act (Act No. 36 of 1998)	YES	NO
National Environmental Management: Air Quality Act (Act No. 39 of 2004)	NO	
National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	<i>To be confirmed</i>	NO
National Environmental Management: Integrated Coastal Management Act (Act No. 24 of 2008)	NO	
National Environmental Management: Protected Areas Act (Act No. 57 of 2003)	NO	
National Environmental Management: Waste Act (Act No. 59 of 2008)	<i>To be confirmed</i>	NO
Others: Please specify		
Mineral Petroleum Development Resources Act (Act No. 28 of 2002)	YES	NO
National Heritage Resources Act (Act No. 25 of 1999)	<i>To be confirmed</i>	NO
Northern Cape Nature Conservation Act (Act No. 9 of 2009)	<i>To be confirmed</i>	NO
National Forests Act (Act No. 84 of 1998)	<i>To be confirmed</i>	NO



Please be advised that:

- If a Waste Management license is required in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**. **An IPS application can only be lodged with this Department in the event that this Department is the Competent Authority for both the EIA and Waste related activities;**
- If Sections 7B and 7C of the National Environmental Management: Integrated Coastal Management Act is applicable to your proposed development, you are required to obtain pre-approval for a reclamation application prior to an Application for Environmental Authorisation being lodged with the Competent Authority;
- If Section 50(5) of the National Environmental Management: Protected Areas Act is applicable to your proposed development, you are required to obtain approval from the Management Authority prior to an Application for Environmental Authorisation being lodged with the Competent Authority; and
- If Section 38 of the National Heritage Resources Act (Act No. 25 of 1999) is applicable to your proposed development, you are requested to submit the Notice of Intent form to the relevant SAHRA or a Provincial Heritage Resources Authority and attach a copy to this form. If it is indicated that a Heritage Impact Assessment will be required, the Heritage Impact Assessment must be undertaken as one of the specialist studies of the EIA process to be undertaken in terms of the NEMA EIA Regulations, 2014, as amended.

10. LIST OF APPENDICES

		SUBMITTED	
APPENDIX 1	Copy of the pre-application meeting minutes	YES	
APPENDIX 2	Proof of Payment / Motivation for exclusion	YES	
APPENDIX 3	List of land owners (with contact details) and written consent of land owners.	YES	
APPENDIX 4	List of Local/Provincial Authority involved (with contact details)	YES	
APPENDIX 5	Strategic Infrastructure Projects	YES	
APPENDIX 6	List of SGIDs and coordinates	YES	
APPENDIX 7	Locality map	YES	
APPENDIX 8	Project schedule	YES	
APPENDIX 9	Declaration of Applicant	YES	
APPENDIX 10	Declaration of EAP and undertaking under oath or affirmation	YES	

**APPENDIX 1
COPY OF THE PRE-APPLICATION MEETING MINUTES**

	DRAFT MINUTES DEA Pre-Application Meeting	Queries:	Donavan Henning ☎ 011 781 1730 ☎ 011 781 1731 ✉ donavanh@nemai.co.za
Client Details:		Project Name:	Upgrade of the Vaal Gamagara Regional Water Supply Scheme Phase 2
		Project Number:	10689
Date:	15 March 2019	Time:	10:00 – 11:30
Facilitator:	M. Litsoane	Venue:	DEA Offices (Environment House), 473 Steve Biko Rd, Pretoria

Note: These minutes are not intended as a verbatim transcript of the meeting, but rather as a summary of the salient discussions which took place.

Attendance

Attendees	Organisation	Telephone	Email
Bongeka Ngcoliso	DEA	012 399 9376	BNgcoliso@environment.gov.za
Masina Litsoane	DEA	012 399 9375	MLitsoane@environment.gov.za
Walther van der Westhuizen	Pro-Plan	011 954 4441	wvdwesthuizen@proplansa.co.za
Japie Botha	Pro-Plan	011 954 4441	jbotha@proplansa.co.za
Donavan Henning	Nemai Consulting	011 781 1730	donavanh@nemai.co.za

Apologies

None.

Item.	Description	Action	Target Date
1.	WELCOME AND INTRODUCTION		
1.1	The Pre-Application Meeting with the Department of Environmental Affairs (DWS) commenced at approximately 10H00. M. Litsoane acted as the facilitator for the meeting and requested a round of introductions.	-	-
1.2	D. Henning indicated that the objectives of the meeting, as captured on the agenda, included the following: <ul style="list-style-type: none"> To introduce the project to DEA; To seek clarification regarding certain matters that pertain to the Environmental Impact Assessment (EIA) process; To determine DEA's requirements; and To confirm the process and timeframes. 	-	-
2.	CONFIRMATION OF AGENDA		
2.1	The agenda was accepted without any amendments.	-	-
3.	PROJECT OVERVIEW		
3.1	W. van der Westhuizen provided an overview of the proposed upgrade of the Vaal Gamagara Regional Water Supply	-	-

Item.	Description	Action	Target Date
	<p>Scheme Phase 2 (VGRWSS-2). The content of the presentation included the following (refer to a copy of the presentation in Appendix A):</p> <ul style="list-style-type: none"> • Location of Project; • Project Background; and • Technical Details. 		
3.2	<p>M. Litsoane wanted to know if the new pipeline will be constructed within the current servitude. She also asked by how much the servitude will be extended during the construction phase.</p> <p>J. Botha confirmed that the new pipeline will be constructed within the existing servitude. He further explained that the width of the current servitude is 10m - 15m, and that the width of the temporary servitude during construction will be approximately 40m.</p>	-	-
4.	EIA MATTERS		
4.1	SIP Status		
4.1.1	<p>D. Henning indicated that the project is classified as a Strategic Integrated Project (SIP) in terms of the following categories:</p> <ul style="list-style-type: none"> • SIP 5: Saldanha-Northern Cape development corridor; and • SIP 18: Water and sanitation infrastructure. 	-	-
4.1.2	<p>D. Henning enquired whether the decision-making timeframes for a SIP will apply.</p> <p>M. Litsoane confirmed that this will be the case, however, she recommended that the timeframes prescribed in the EIA Regulations be used in the project programme.</p>	-	-
4.2	Environmental Assessments		
4.2.1	<p>D. Henning noted that it was the intention to apply separately for the following project components:</p> <ol style="list-style-type: none"> 1. Upgrading of the existing VGRWSS-2; and 2. SD1 and SD2 groundwater abstraction. <p>D. Henning indicated that the reason for this is that it is expected that opposition will be encountered from the agricultural sector for SD1 and SD2 groundwater abstraction, and the separation of the applications will not hold up the process for the upgrading of the existing scheme. He noted that currently the intention was to undertake a combined public participation process for these two project components.</p> <p>M. Litsoane asked whether these two project components could be regarded as standalone projects.</p> <p>W. van der Westhuizen explained that the upgrade of the existing scheme was not linked to the SD1 and SD2 groundwater abstraction.</p> <p>M. Litsoane confirmed that the applications could be split. She recommended that consideration be given to the packaging of the applications, e.g. naming the SD1 and SD2 groundwater abstraction as Phase 2B. She indicated that this could also be</p>	-	-

Item.	Description	Action	Target Date
	explained in the cover letter that accompanies the application.		
4.3	Alternatives		
4.3.1	D. Henning mentioned that the Feasibility Study evaluated strategic and technical alternatives for the project, and that a preferred option was identified. He indicated that due to the nature of the project, only the preferred alternative and the no-go option would be assessed in the EIA under each application. M. Litsoane agreed with this approach.	-	-
4.4	Specialist Studies		
4.4.1	D. Henning stated that the following specialist studies were identified to assess the project: <ul style="list-style-type: none"> • Terrestrial Ecological Impact Assessment; • Heritage Impact Assessment; • Surface Water Impact Assessment and Delineation; • Agricultural Impact Assessment; and • Socio-Economic Impact Assessment. 	-	-
4.4.2	D. Henning noted that the Groundwater Assessment that was undertaken during the Feasibility Study would be used for the purposes of the EIA for SD1 and SD2 groundwater abstraction. M. Litsoane indicated that the existing specialist study could be used as long as it was not older than 5 years. J. Botha noted that the Groundwater Assessment Report was dated 2014, and was thus not older than 5 years. D. Henning mentioned that if the study is older than 5 years a specialist opinion could be sought to verify the findings, if necessary.	-	-
4.5	Listed Activities		
4.5.1	D. Henning provided an overview of the listed activities in Listing Notices 1 and 3 of the EIA Regulations of 2014 (as amended) that are thought to be triggered by the proposed project. He explained that activity no. 11 of Listing Notice 2 would not be triggered, as the volume of water to be transferred is less than the stipulated threshold. He indicated that the project would thus require separate Basic Assessments.	-	-
4.5.2	D. Henning indicated that it is the understanding that the upgrading of the existing VGRWSS-2 is regarded as a "development" and not an "upgrade" in terms of the listed activities. M. Litsoane agreed with this understanding.	-	-
4.5.3	M. Litsoane recommended that the application forms rather include the maximum sizes of the proposed infrastructure, which can then be refined during the design phase. She also suggested that all the possible listed activities related to the project be included in the applications.	-	-
4.6	Public Participation		

Item.	Description	Action	Target Date
4.6.1	D. Henning indicated that the following tasks will be undertaken during the announcement phase of the EIA: <ul style="list-style-type: none"> Placing onsite notices; Placing newspaper notices; Distributing a Background Information Document and Reply Form via email; and Registration of Interested and Affected Parties (I&APs). 	-	-
4.6.2	D. Henning mentioned that there are approximately 268 properties directly affected and adjacent to the project footprint. He mentioned that the identification of landowners was difficult, despite best measures taken. He noted that in the cases where landowners could not be identified an onsite notice would be placed at the entrances to these properties and photographs of the notices would be taken to provide proof of notification.	-	-
4.6.3	D. Henning noted that the onsite notices and newspaper notices would again be placed as part of the notification of the review of the draft Basic Assessment Reports.	-	-
4.7	Basic Assessment Report		
4.7.1	M. Litsoane will confirm whether DEA has a template for a Basic Assessment Report.	DEA	TBD
4.8	Environmental Authorities Meeting		
4.8.1	D. Henning mentioned that an Environmental Authorities Meeting may be scheduled during the review of the Basic Assessment Report.	-	-
4.8.2	M. Litsoane indicated that DEA will attend the Environmental Authorities Meeting.	-	-
4.9	Site Visit		
4.9.1	B. Ngcoliso indicated that DEA may request a site visit once the draft Basic Assessment Reports have been submitted to the Department.	-	-
4.9.2	M. Litsoane recommended that a site visit be convened the day after the Environmental Authorities Meeting.	Nemai Consulting	TBD
4.10	Use of Material from Mines		
4.10.1	J. Botha stated that the pending geotechnical investigations will investigate the possible utilisation of spoil material from the surrounding mines as fill material for the pipeline. M. Litsoane indicated that it would need to be determined whether the material from the mines is contaminated.	-	-
4.11	EIA Programme		
4.11.1	D. Henning presented that current EIA Programme.	-	-
5.	DEA Requirements		
5.1	M. Litsoane indicated that the motivation for the project needed to be clearly explained in the EIA documentation to be compiled.	-	-
5.2	M. Litsoane enquired about the compensation associated with the servitude. J. Botha explained the compensation, based on historical	-	-

Item.	Description	Action	Target Date
	information from the Department of Water and Sanitation.		
6.	GENERAL		
6.1	<i>No matters were discussed under this item.</i>	-	-
7.	CLOSE		
7.1	The meeting was concluded at approximately 11h30.	-	-

Minutes Compiled By:

Nemai Consulting


 _____ Date 12 April 19
 D. Henning

Minutes Accepted By:

DEA

 Date

APPENDIX A

PRESENTATIONS

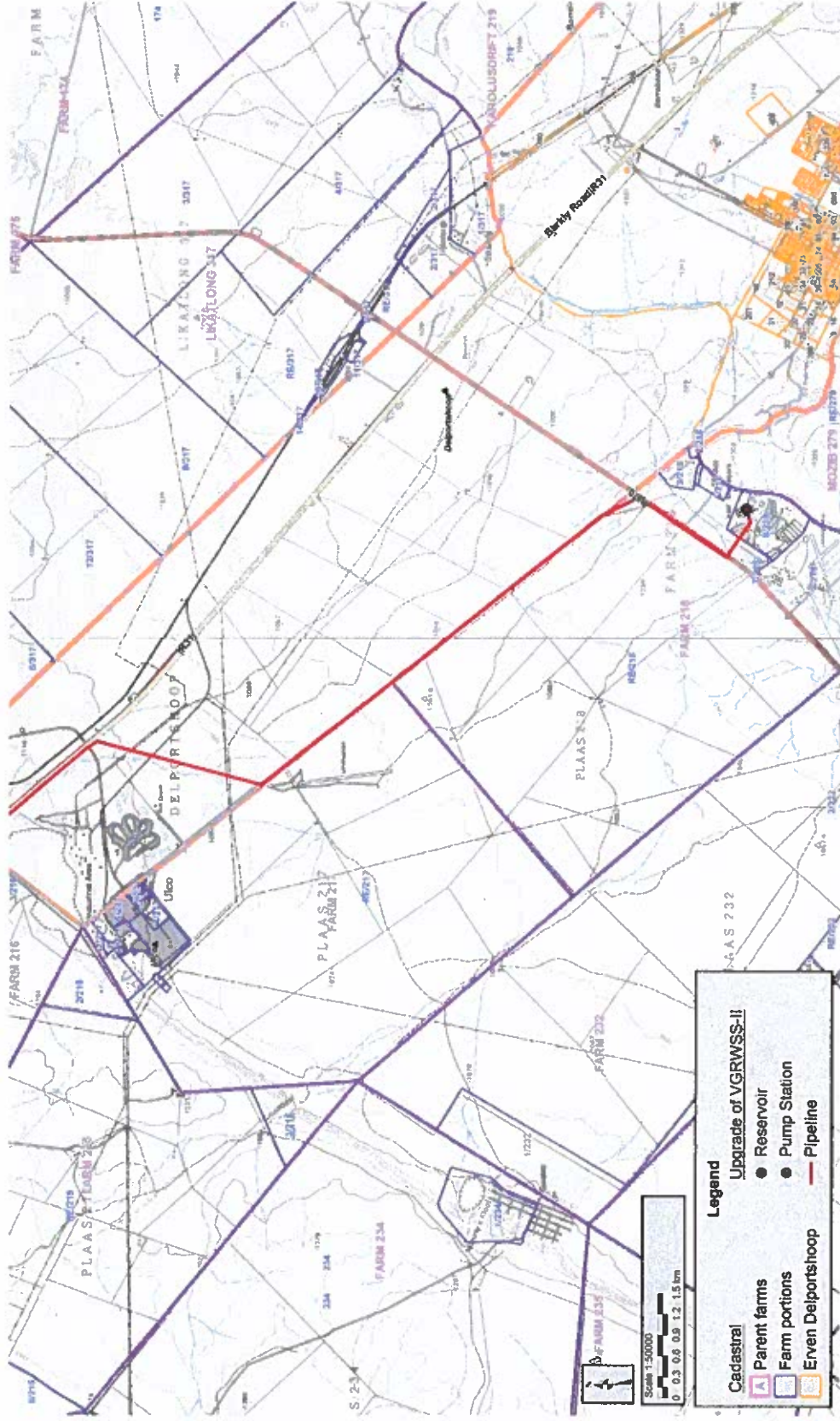
**APPENDIX 2
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION**

2A. MOTIVATION FOR EXCLUSION

In terms of Regulation 2 of Government Notice No. 141 (28 February 2014), the application is made by an organ of state, namely Sedibeng Water.

**APPENDIX 3
LIST OF LAND OWNERS
WRITTEN CONSENT OF LAND OWNERS**

3A. CADASTRAL MAPS



PREPARED FOR: **Sedibeng WATER**

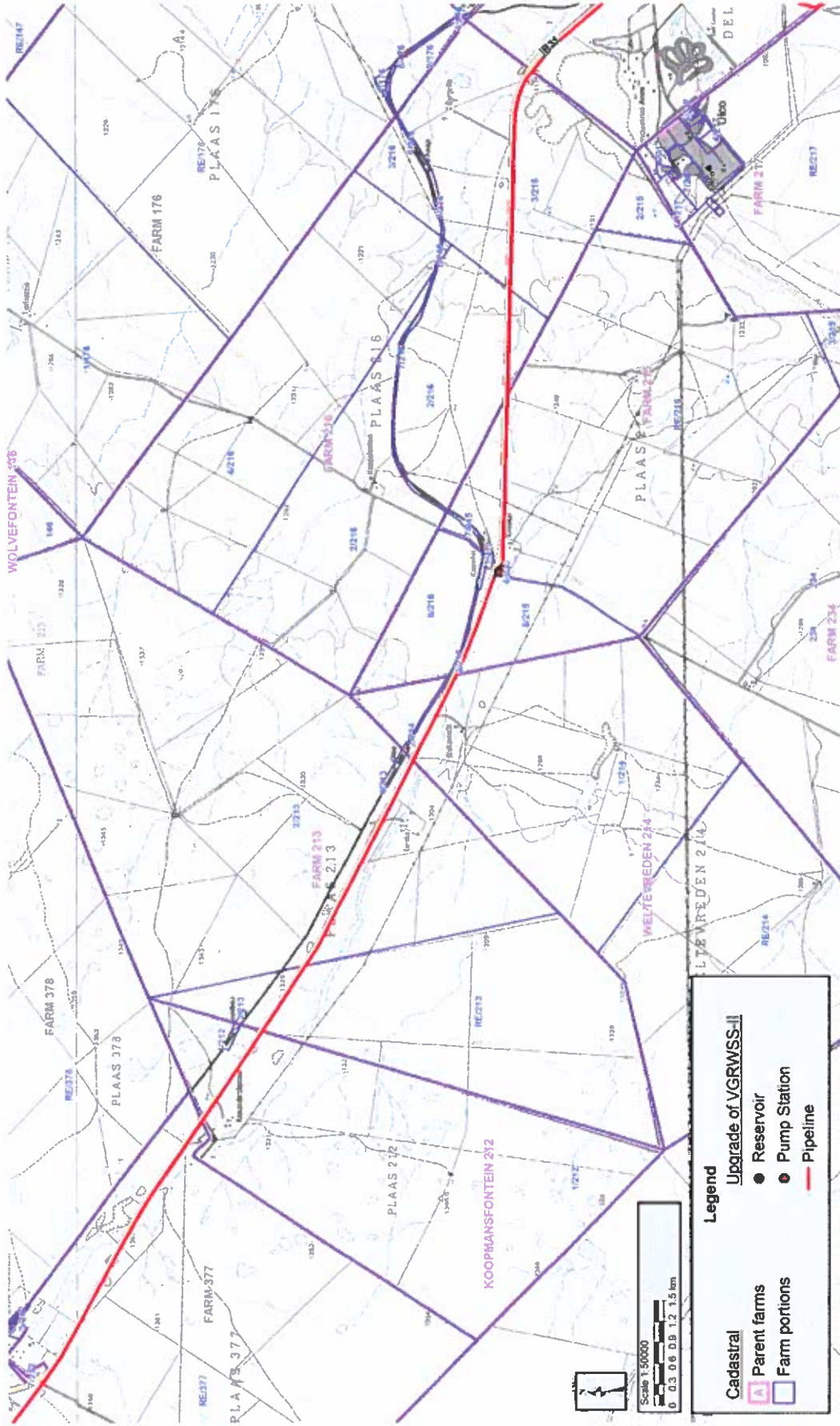
PREPARED BY: **WEMA**

Application for Environmental Authorisation

Vaal GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2
Upgrading of the Existing Scheme

CADASTRAL MAP - SECTION 1 (DELPORTSHOOP)

Appendices



VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2
Upgrading of the Existing Scheme

CADASTRAL MAP - SECTION 2



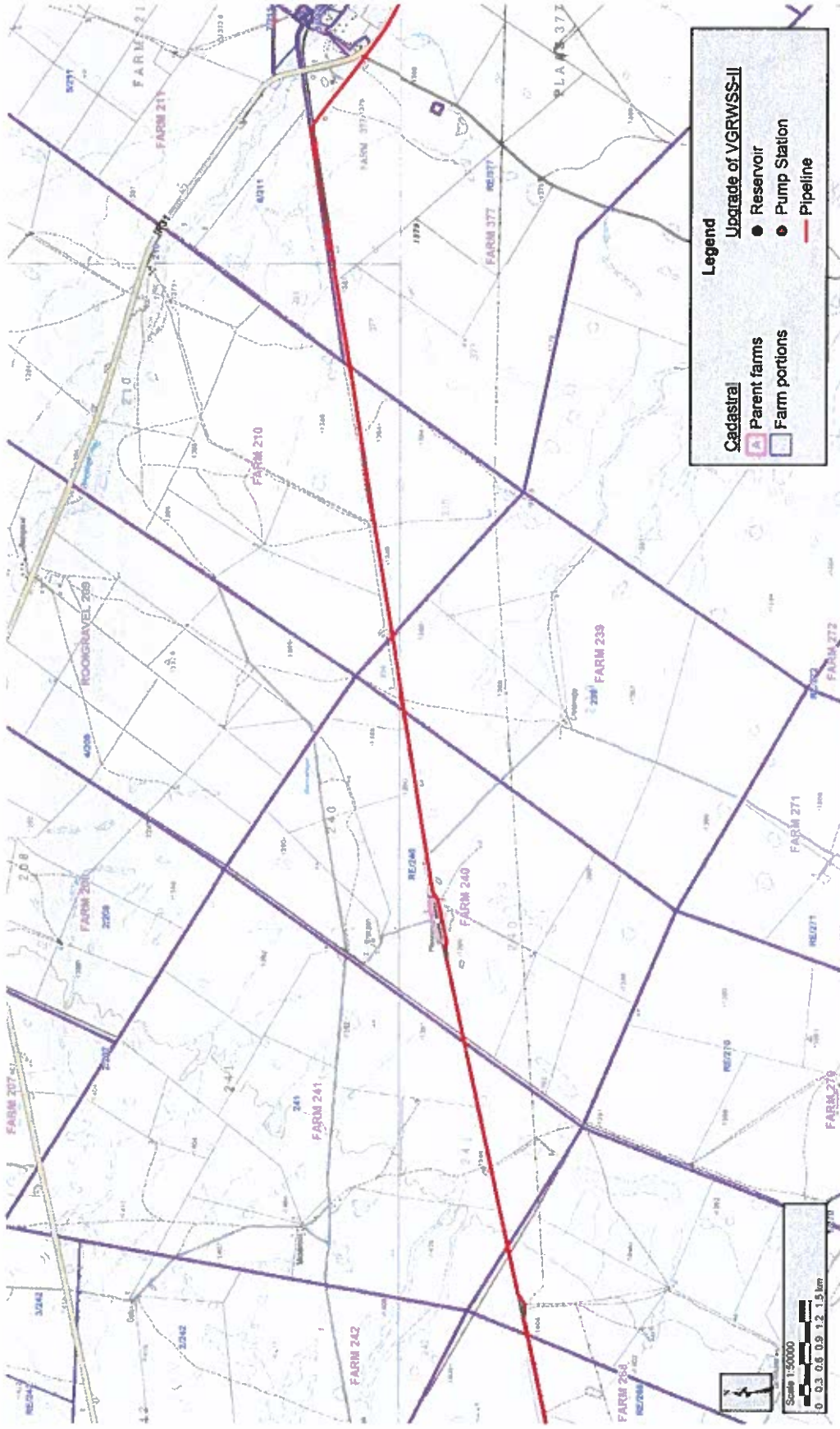
PREPARED FOR:



PREPARED BY:

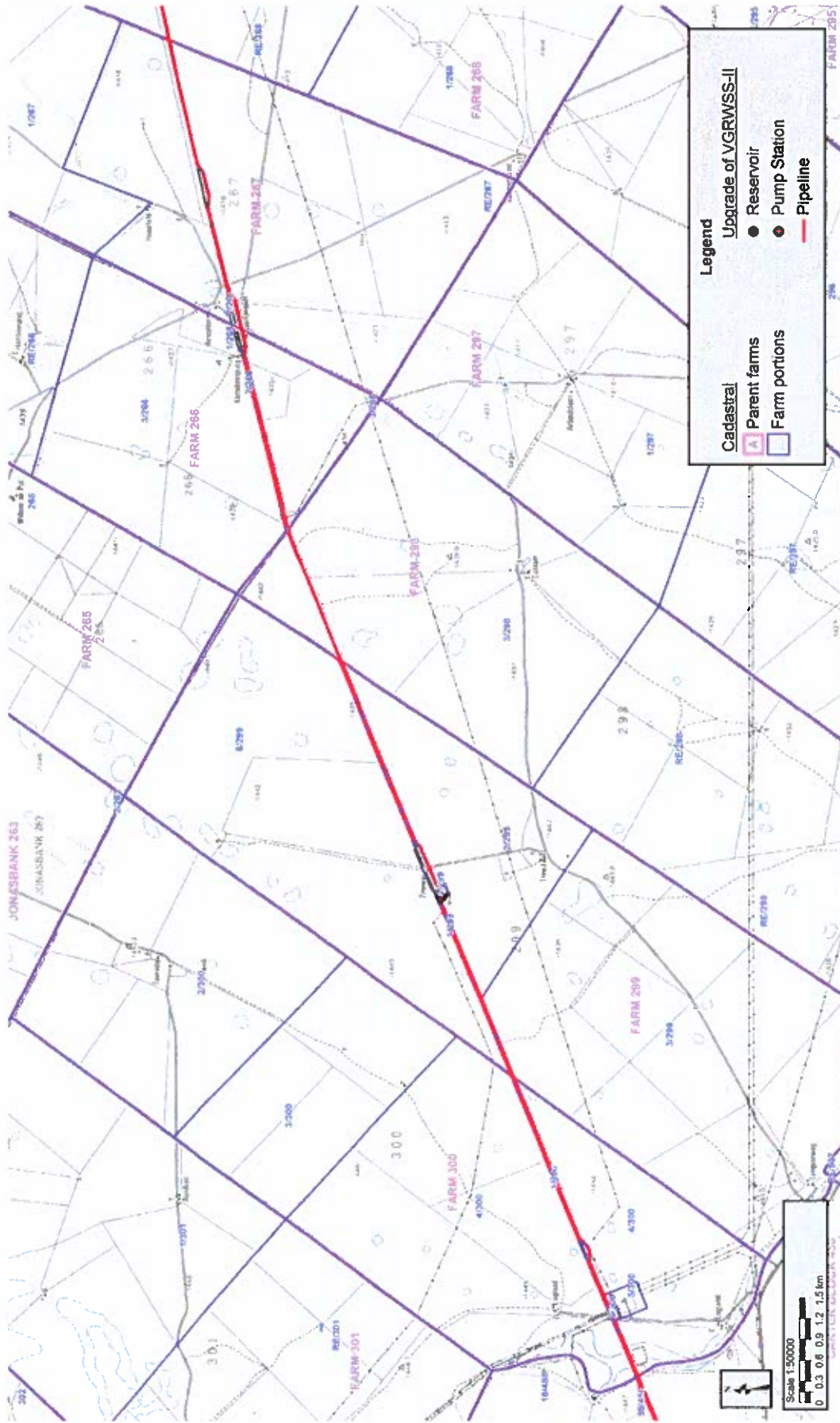
Application for Environmental Authorisation

Appendices



	<p>VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2 Upgrading of the Existing Scheme</p>
<p>PREPARED FOR:</p>	<p>CADASTRAL MAP - SECTION 3</p>
<p>PREPARED BY:</p>	<p>Appendices</p>

Application for Environmental Authorisation



Legend

Upgrade of VGRWSS-II

- Reservoir
- Pump Station
- Pipeline

Cadastral

- Parent farms
- Farm portions

Prepared for: Sedibeng WATER

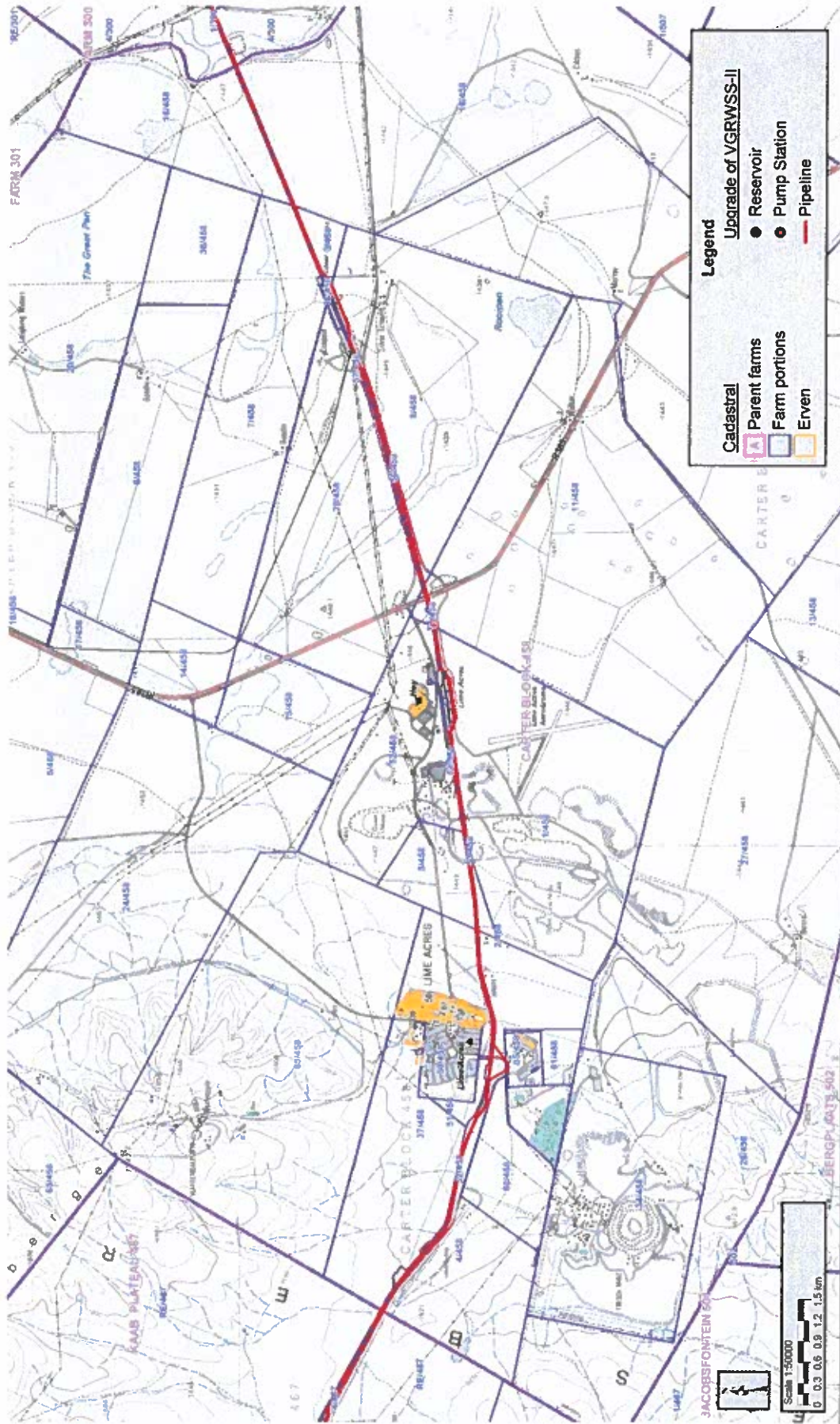
Prepared by: NEMA CONSULTING

VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2
Upgrading of the Existing Scheme

CADASTRAL MAP - SECTION 4

Application for Environmental Authorisation

Appendices



Legend

Cadastral

- Parent farms
- Farm portions
- Erven

Upgrade of VGRWSS-II

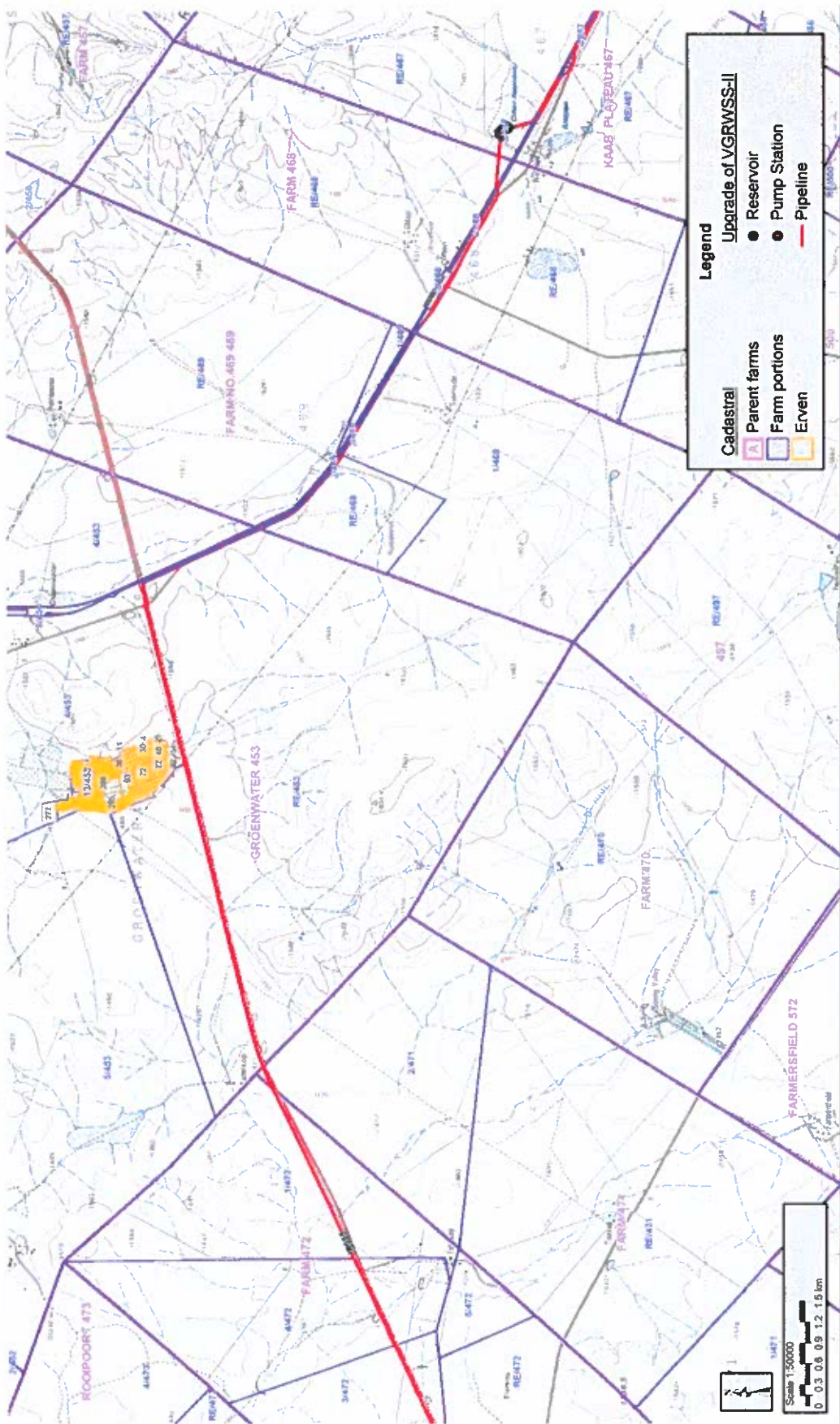
- Reservoir
- Pump Station
- Pipeline

VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2
Upgrading of the Existing Scheme

PREPARED FOR: Sedibeng WATER

PREPARED BY: NEMA

CADASTRAL MAP - SECTION 5 (LIME ACRES)



Legend

Cadastral	Upgrade of VGRWSS-II
Parent farms	● Reservoir
Farm portions	● Pump Station
Even	— Pipeline

VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2
Upgrading of the Existing Scheme



PREPARED FOR:

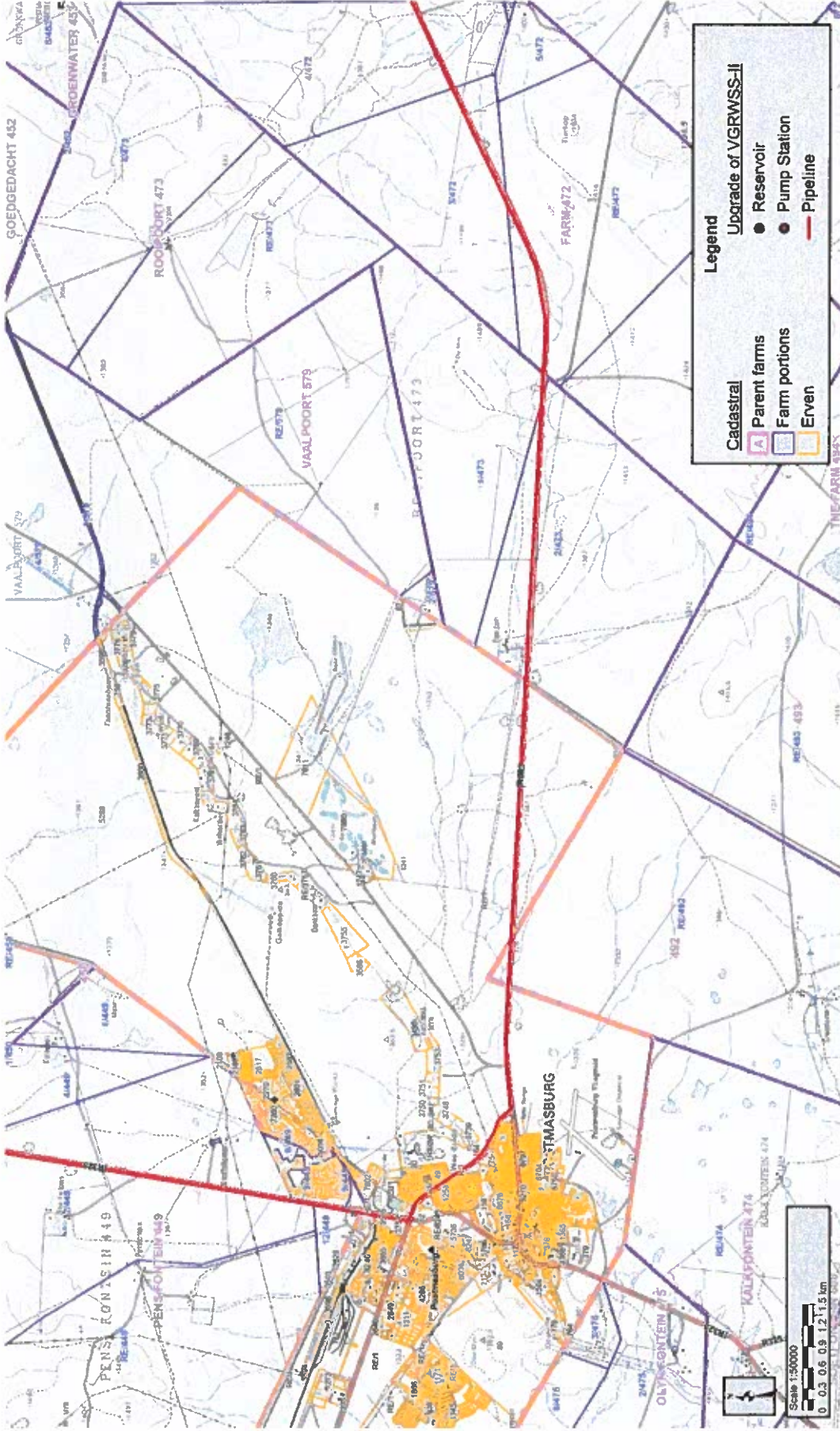


PREPARED BY:

CADASTRAL MAP - SECTION 6

Application for Environmental Authorisation

Appendices



PREPARED FOR:



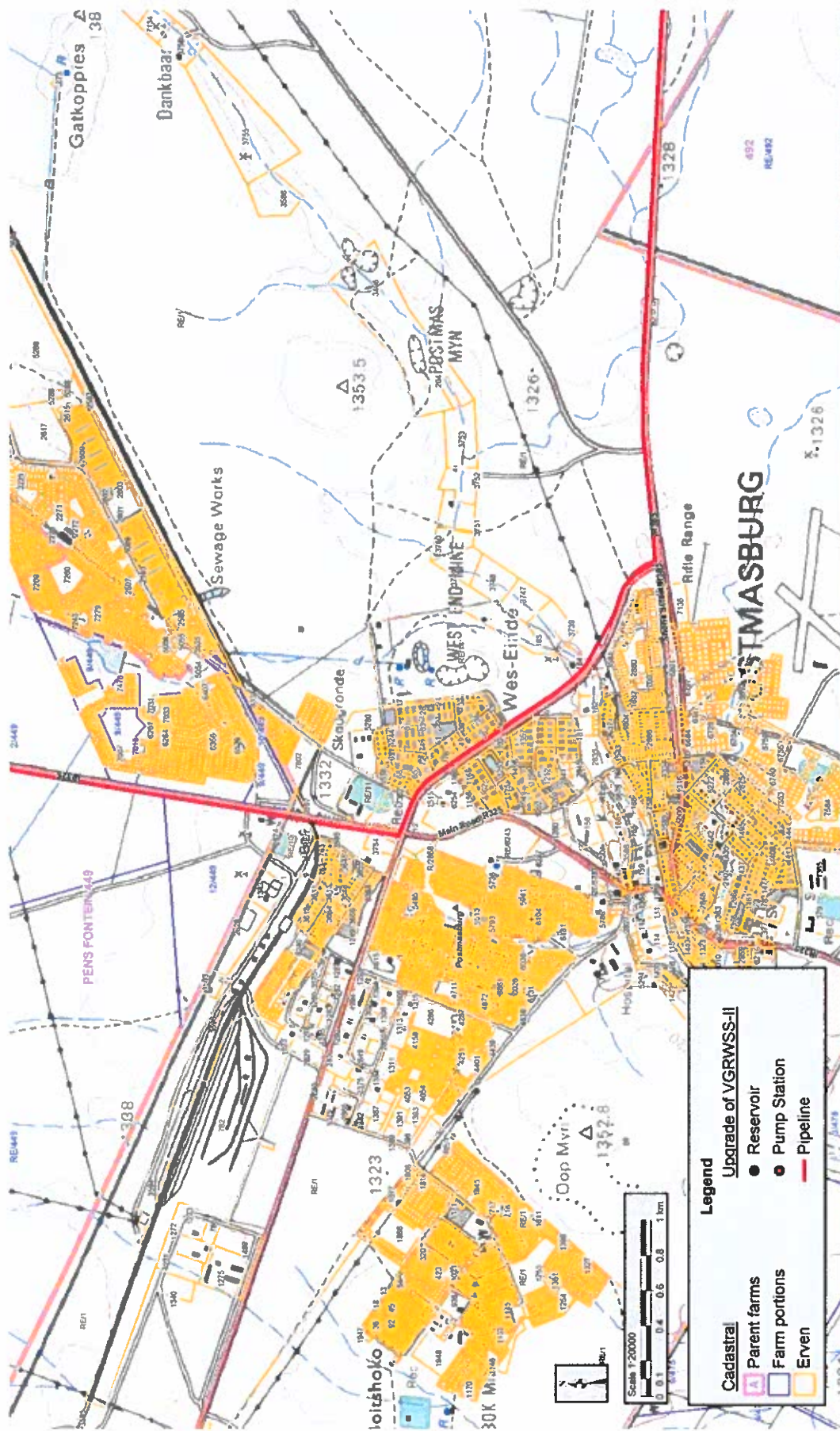
PREPARED BY:

VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2
Upgrading of the Existing Scheme

CADASTRAL MAP - SECTION 7

Application for Environmental Authorisation

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VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2
Upgrading of the Existing Scheme



PREPARED FOR:

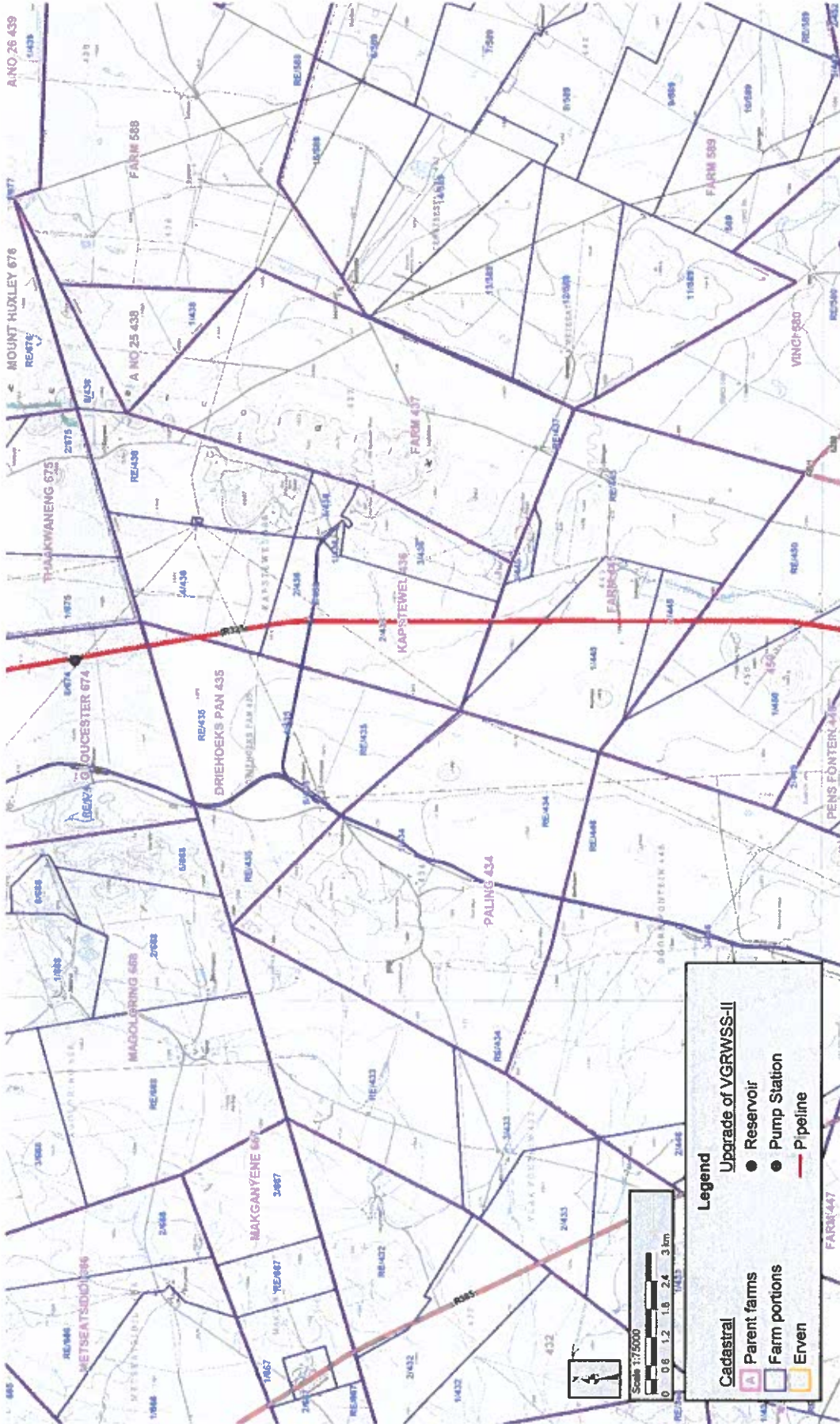


PREPARED BY:

CADASTRAL MAP - SECTION 7 (POSTMASBURG)

Application for Environmental Authorisation

Appendices



VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2
Upgrading of the Existing Scheme

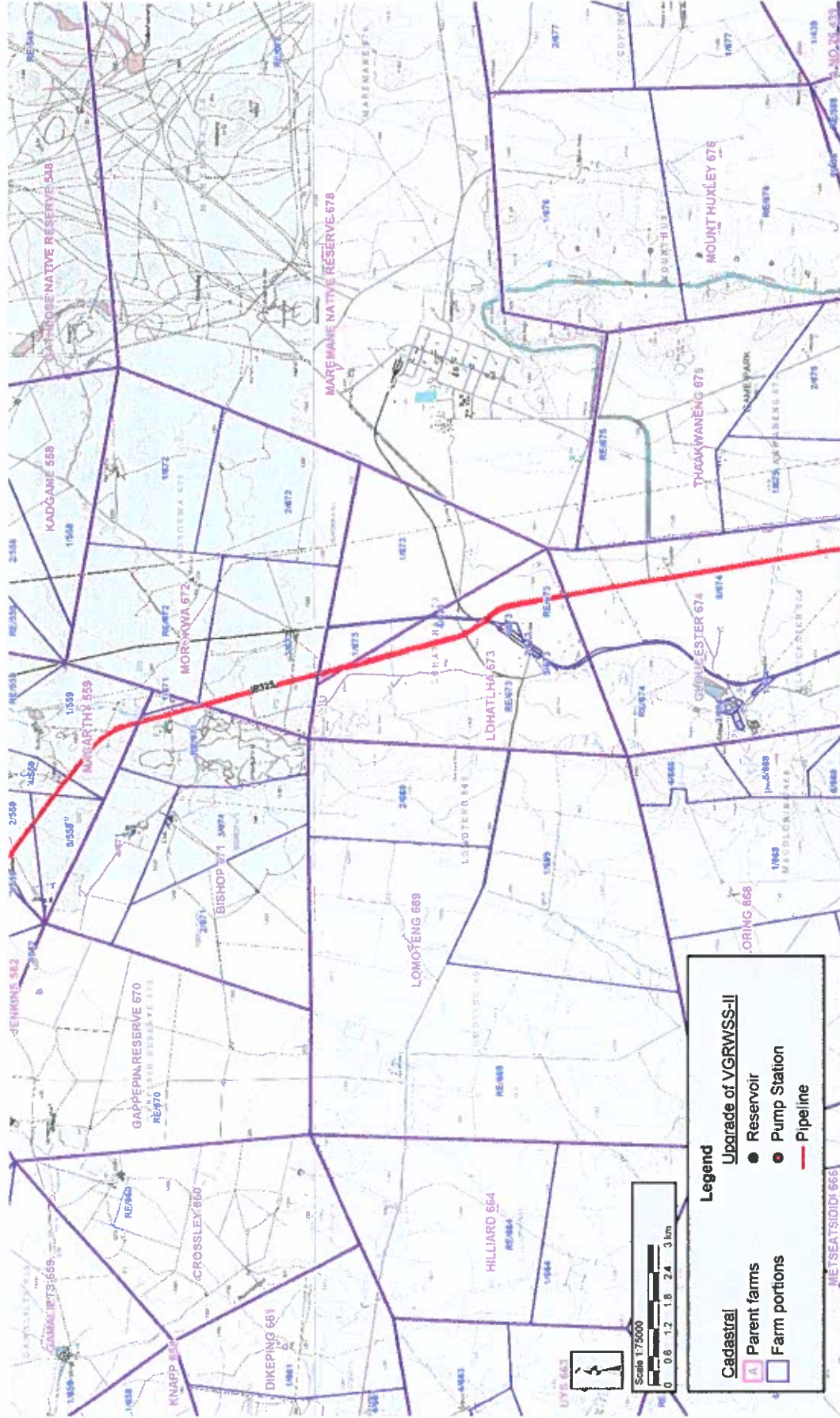
PREPARED FOR: Sediberg WATER

PREPARED BY: NEMA

CADASTRAL MAP - SECTION 8

Application for Environmental Authorisation

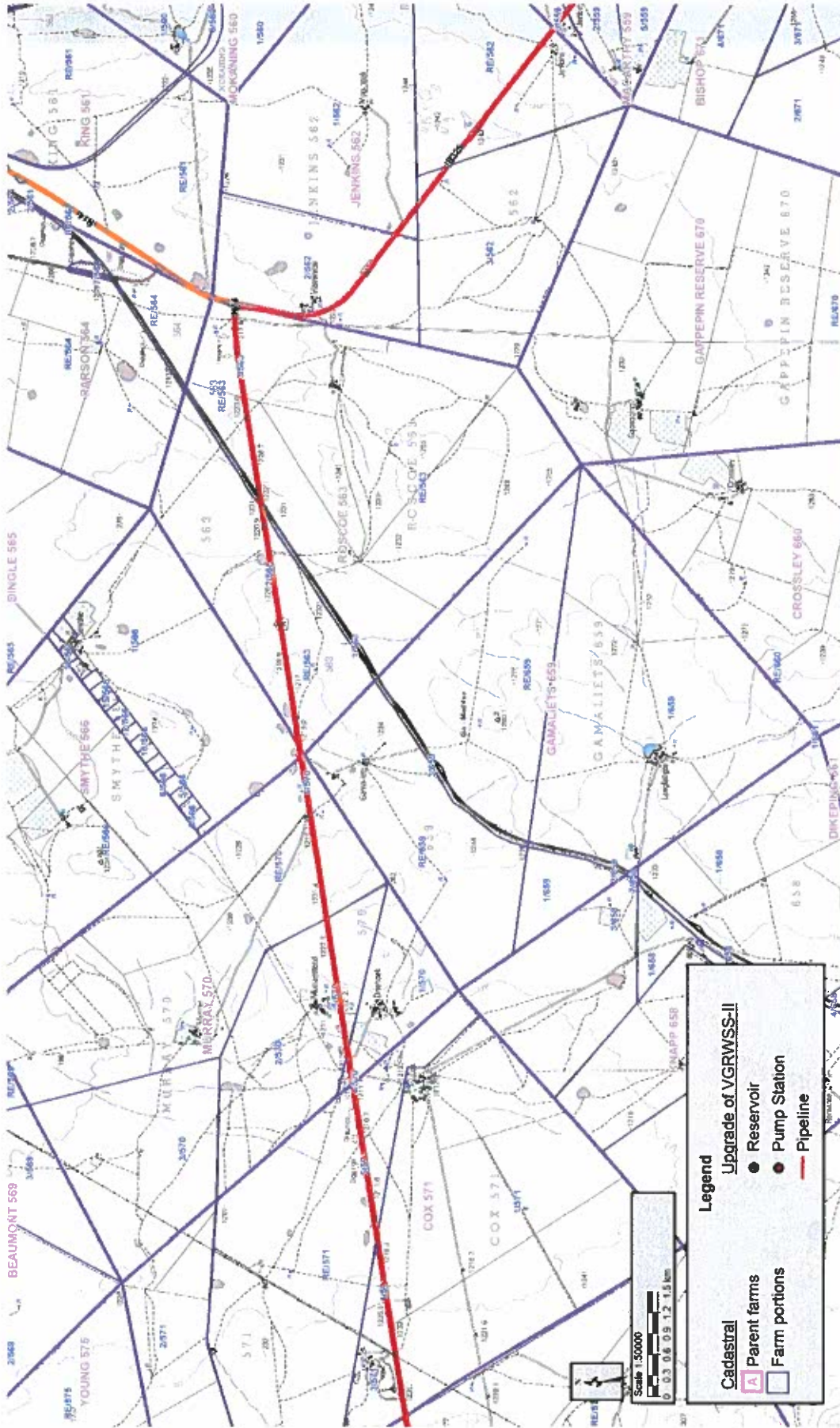
Appendices



VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2
Upgrading of the Existing Scheme

PREPARED FOR: 

PREPARED BY: 

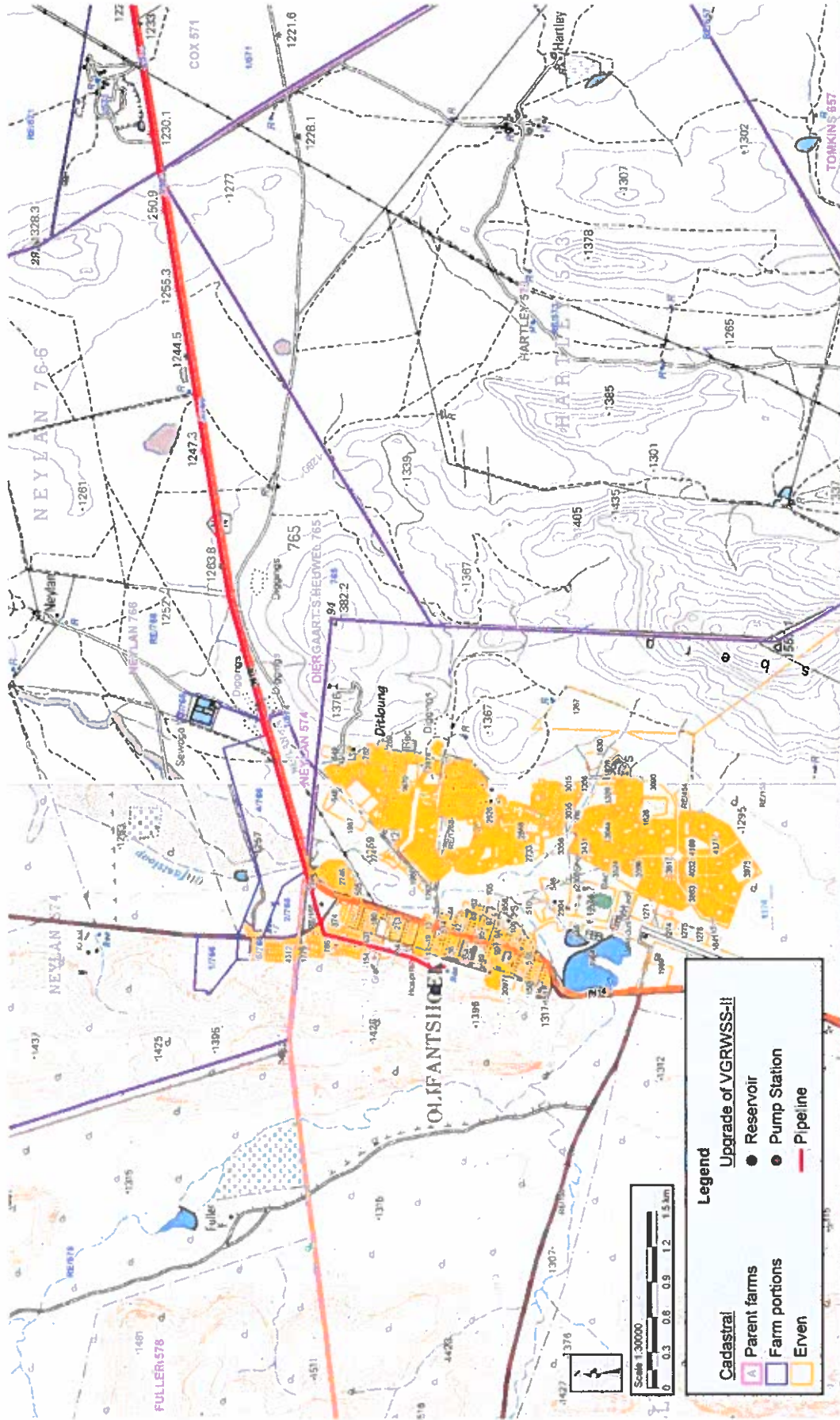


VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2
Upgrading of the Existing Scheme


PREPARED FOR:  SOTILBERG WATER


PREPARED BY:  MENTIA

CADASTRAL MAP - SECTION 10



VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2
Upgrading of the Existing Scheme

PREPARED FOR: 

PREPARED BY: 

CADASTRAL MAP - SECTION 11 (OLIFANTSHOEK)

3B. LIST OF LANDOWNERS

(D = Directly Affected; A = Adjacentlly Affected)

Gloucester - Clifton - Gloucester - Clifton - Trewill - Pipeline	Gloucester - Clifton - Trewill - Pipeline	Kneukel - Trewill - Pipeline	Deip - Kneukel - Pipeline	SG Code	Farm Name	Portion	Owner
			A	C00700000000021800008	FARM 218	8	OSTIPROP 1155 PTY LTD (Gert and James Faber)
			D	C00700000000021800007	FARM 218	7	SEDIBENG WATER
			D	C00700000000021800006	FARM 218	6	SEDIBENG WATER
			A	C00700000000021800005	FARM 218	5	ALPHA LTD
			A	C00700000000021800004	FARM 218	4	WARD FAMILIE TRUST
			A	C00700000000021800003	FARM 218	3	ALPHA LTD
			D	C00700000000021800000	FARM 218	RE	BROEKSKEUR BOERDERY CC (Jakob Botma)
			A	C00700000000027900000	MOZIB 279	RE	GUILFORD LTD
			D	C00700000000021700000	FARM 217	RE	BROEKSKEUR BOERDERY CC (Jakob Botma)
			D	C0070000300000000400000	ERVEN 4		PF BOTHA
			D	C00700000000021600003	FARM 216	3	HOLCIM SOUTH AFRICA PTY LTD
			D	C00700000000021600002	FARM 216	2	Greg Weir
			A	C00700000000021600008	FARM 216	8	F de Jager
			D	C00700000000021500000	FARM 215	RE	GLEN STEYN
		D		C00700000000021500004	FARM 215	4	SEDIBENG WATER
		D		C00700000000021500008	FARM 215	8	C & S HATTINGH FAMILIE TRUST
		A		C00700000000021500007	FARM 215	7	TRANSNET
		A		C00700000000021500006	FARM 215	6	TRANSNET
		A		C00700000000021500001	FARM 215	1	TRANSNET
		A		C00700000000021400001	WELTEVREDEN 214	1	N/A

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Appendices

Gloucester - Ollant's Pipeline	Clifton - Gloucester	Trewill - Clifton Pipeline	Kneukel - Trewill Pipeline	Dep - Kneukel Pipeline	SG Code	Farm Name	Portion	Owner
			D		C00700000000021400002	WELTEVREDEN 214	2	TRANSNET
			D		C00700000000021300002	FARM 213	2	C & S HATTINGH FAMILIE TRUST
			A		C00700000000021300003	FARM 213	3	TRANSNET
			A		C00700000000021300004	FARM 213	4	TRANSNET
			D		C00700000000021300000	FARM 213	RE	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
			D		C00700000000021200001	KOOPMANSFONTEIN 212	1	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
			A		C00700000000021200004	KOOPMANSFONTEIN 212	4	TRANSNET
			A		C00700000000021200005	KOOPMANSFONTEIN 212	5	TRANSNET
			A		C00700000000021200007	KOOPMANSFONTEIN 212	7	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
			A		C00700000000021200009	KOOPMANSFONTEIN 212	9	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
			A		C00700000000021200010	KOOPMANSFONTEIN 212	10	GRIEKWALAND WES KORP LTD (Johannes Hendrik Coetzee)
			D		C00700000000037700000	FARM 377	RE	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
			A		C00700000000037800000	FARM 378	RE	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
			A		C00700000000021100006	FARM 211	6	KOOPMANSFONTEIN COMMUNAL PROP ASSOCIATION
			D		C00700000000021000000	FARM 210	RE	KOOS VAN DER RYST
			D		C00700000000023900000	FARM 239	RE	DIRK VAN DER MERWE FAMILIE TRUST (Diederik vd Merwe)
			D		C00700000000024000000	FARM 240	RE	AUCAMP TRUST (Johan Aucamp)
			A		C007000000000209000004	ROOIGRAVEL 209	4	DIE ROOI GRAVEL TRUST (Diederik vd Merwe)
			D		C00700000000024100000	FARM 241	0	VAN ZYL EN SUSSANA SCHOLTZ
			D		C007000000000269000000	FARM 269	RE	DIE SMITSHOOP TRUST (Diederik vd Merwe)
			D		C00700000000026700000	FARM 267	RE	Gerhard Niewoudt
			A		C00700000000026700002	FARM 267	2	TRANSNET
			D		C00700000000026600003	FARM 266	3	J A & B J VISSER TRUST
			A		C00700000000026600002	FARM 266	2	TRANSNET

Gloucester - Olfants Pipeline	Clifton - Gloucester	Trewill - Clifton Pipeline	Kneukel - Trewill Pipeline	Delp - Kneukel Pipeline	SG Code	Farm Name	Portion	Owner
			A		C0070000000026600001	FARM 266	1	TRANSNET
			D		C00700000000029800003	FARM 298	3	WILLEM / MAGDALENA FOURIE
		A	A		C00700000000029900001	FARM 299	1	TRANSNET
		A	D		C00700000000029900002	FARM 299	2	N/A
		D	A		C00700000000029900004	FARM 299	4	SEDIBENG WATER
		D	A		C00700000000029900006	FARM 299	6	BONA-CORD TRUST Willem/Magda Fourie)
		D			C00700000000029900003	FARM 299	3	Hannie Du Plessis
		D			C00700000000030000004	FARM 300	4	THEUNS VERMEULEN
		A			C00700000000030000006	FARM 300	6	ESKOM
		A			C00700000000030000001	FARM 300	1	TRANSNET
		D			C03100000000045800016	CARTER BLOCK 458	16	P J KILIAN PTY LTD
		A			C03100000000045800059	CARTER BLOCK 458	59	TRANSNET
		D			C03100000000045800003	CARTER BLOCK 458	3	WILLEM CLOETE
		A			C03100000000045800007	CARTER BLOCK 458	7	RIVERWALK TRADING 303 CC
		D			C03100000000045800008	CARTER BLOCK 458	8	SILVERSTREAMS TRUST (Johan Faist)
		A			C03100000000045800058	CARTER BLOCK 458	58	TRANSNET
		A			C03100000000045800057	CARTER BLOCK 458	57	TRANSNET
		A			C03100000000045800066	CARTER BLOCK 458	66	TRANSNET
		A			C03100000000045800067	CARTER BLOCK 458	67	TRANSNET
		A			C03100000000045800068	CARTER BLOCK 458	68	TRANSNET
		A			C03100000000045800069	CARTER BLOCK 458	69	TRANSNET
		A			C03100000000045800070	CARTER BLOCK 458	70	TRANSNET
		A			C03100000000045800009	CARTER BLOCK 458	9	TRANSNET
		A			C03100000000045800010	CARTER BLOCK 458	10	TRANSNET

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Gloucester - Olfants Pipeline	Clifton - Gloucester	Trewill - Clifton Pipeline	Kneukel - Trewill Pipeline	Delp - Kneukel Pipeline	SG Code	Farm Name	Portion	Owner
		A			C0310000000045800028	CARTER BLOCK 458	28	P P C LIME LTD
		D			C0310000000045800011	CARTER BLOCK 458	11	P P C LIME LTD
		A			C0310000000045800055	CARTER BLOCK 458	55	TRANSNET
		D			C0310000000045800054	CARTER BLOCK 458	54	TRANSNET
		A			C0310000000045800052	CARTER BLOCK 458	52	TRANSNET
		D			C0310000000045800001	CARTER BLOCK 458	1	P P C LIME LTD
		A			C0310000000045800053	CARTER BLOCK 458	53	TRANSNET
		A			C0310000000045800005	CARTER BLOCK 458	5	P P C LIME LTD
		D			C0310000000045800002	CARTER BLOCK 458	2	P P C LIME LTD
		D			C0310000000045800004	CARTER BLOCK 458	4	P P C LIME LTD
		A			C0310000000045800052	CARTER BLOCK 458	52	TRANSNET
		A			C0310000000045800051	CARTER BLOCK 458	51	DE BEERS CONSOLIDATED MINES LTD
		A			C0310000000045800037	CARTER BLOCK 458	37	DE BEERS CONSOLIDATED MINES LTD
		D			C0310000000045800035	CARTER BLOCK 458	35	DE BEERS CONSOLIDATED MINES LTD
		A			C0310000000045800059	CARTER BLOCK 458	59	DE BEERS CONSOLIDATED MINES LTD
		A			C0310000000045800060	CARTER BLOCK 458	60	DE BEERS CONSOLIDATED MINES LTD
		D			C0310000000046700004	KAAB PLATEAU 467	4	TRANSNET
		D			C0310000000046700003	KAAB PLATEAU 467	3	SEDIBENG WATER
	D	D			C0310000000046700000	KAAB PLATEAU 467	RE	JOVICUBE (CHRISTIAAN STRAUSS)
	D				C0310000000046800000	FARM 468	RE	Sebusi Boerdery (Tarni and Mpho Sebusi)
	D				C0310000000046800004	FARM 468	4	TRANSNET
	A				C0310000000046800002	FARM 468	2	TRANSNET
	A				C0310000000046800003	FARM 468	3	TRANSNET

Gloucester - Olfants Pipeline	Clifton - Gloucester Pipeline	Trewill - Clifton Pipeline	Kneukel - Trewill Pipeline	Delp - Kneukel Pipeline	SG Code	Farm Name	Portion	Owner
	D				C0310000000046900001	FARM 469	1	ANDRIES DE KLERK
	A				C0310000000046900003	FARM 469	3	TRANSNET
	D				C0310000000046900000	FARM 469	RE	JOHANNA / ALLEN SCHOLTS
	A				C0310000000046900002	FARM 469	2	TRANSNET
	D				C0310000000045300000	GROENWATER 453	RE	GROENWATER CPA (Obakeng Kgoranyane)
	A				C0310000000045300008	GROENWATER 453	8	TRANSNET
	D				C0310000000045300004	GROENWATER 453	4	GROENWATER CPA
	A				C0310000000045300013	GROENWATER 453	13	GROENWATER CPA
	A				C0310000000045300005	GROENWATER 453	5	GROENWATER CPA
	D				C0310000000047100002	FARM 471	2	GOUS BOERDERY (Johan Gous)
	D				C0310000000047200001	FARM 472	1	OCO PROPERTIES CC
	D				C0310000000047200004	FARM 472	4	
	D				C0310000000047200003	FARM 472	3	
	A				C0310000000047200005	FARM 472	5	
	D				C0310000000047200000	FARM 472	RE	OCO PROPERTIES CC
	A				C0310000000047200002	FARM 472	2	JAN CHRISTOFFEL LABUSCHAGNE
	D				C0310000000047300001	ROOIPOORT 473	1	WILLY BREDEKAMP TRUST (Ben & Sophia Bredenkamp)
	D				C0310000000047300002	ROOIPOORT 473	2	WILLY BREDEKAMP TRUST (Ben & Sophia Bredenkamp)
	D				C0310000000049200000	FARM 492	RE	
	D				C0310003000000100000	ERVEN 1	RE/1	
	D				C0310003000001840000	ERVEN 184		KLOPPERS (ANNE-RINA)
	D				C03100030000001400000	ERVEN 14	RE/14	
	A				C03100030000133100000	ERVEN 1331	RE	
	D				C03100030000001100000	ERVEN 11	RE/11	LANGBERG ABATTOIR CC (Louis Pieterse)

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Gloucester - Oifants Pipeline	Clifton - Gloucester Pipeline	Trewill - Clifton Pipeline	Kneukel - Trewill Pipeline	Delp - Kneukel Pipeline	SG Code	Farm Name	Portion	Owner
	D				C0310003000001200000	ERVEN 12		TSANTSABANE MUNISIPALITEIT
	D				C03100030000375400000	ERVEN 3754		TSANTSABANE PROPERTY DEVELOPMENT (Andries Scholtz)
	D				C03100030000358500000	ERVEN 3585		TSANTSABANE MUNISIPALITEIT
	D				C03100030000359700000	ERVEN 3597		TRANSNET
	D				C0310000000044900012	PENS FONTEIN 449	12	TSANTSABANE MUNICIPALITY
	D				C0310000000044900002	PENS FONTEIN 449	2	RAHIDA INV PTY LTD (Bomis Bannai)
	D				C0310000000045000001	FARM 450	1	KAREEPAN TRUST
	D				C0310000000045000000	FARM 450	RE	KAREEPAN TRUST
	D				C0310000000044500002	FARM 445	2	MAREMANE CPA
	D				C0310000000044500001	FARM 445	1	MAREMANE CPA
	D				C0310000000044500000	FARM 445	RE	MAREMANE CPA
	D				C0310000000043600002	KAPSTEWEL 436	2	MAREMANE CPA
	D				C0310000000043600009	KAPSTEWEL 436	9	TRANSNET
	D				C0310000000043600004	KAPSTEWEL 436	4	Nicolas Loubser (Golden Falls Properties (Pty) Ltd.) / Willem Fourie
	D				C0310000000043500000	DRIEHOEKS PAN 435	RE	MAREMANE CPA
D	D				C04100000000067400008	GLOUCESTER 674	8	MAREMANE CPA
D	D				C04100000000067400003	GLOUCESTER 674	3	SEDIBENG WATER
D					C041000000000673000000	LOHATLHA 673	RE	MAREMANE CPA
D					C041000000000673000004	LOHATLHA 673	4	TRANSNET
D					C041000000000673000001	LOHATLHA 673	1	MAREMANE CPA
D					C041000000000672000003	MOROKWA 672	3	AF STEYN TESTAMENTER TRUST
D					C041000000000671000000	BISHOP 671	RE	PMG MINING PTY LTD (Mafungo Maphiri)
A					C041000000000671000001	BISHOP 671	1	RAUBEX PTY LTD
D					C04100000000055900001	MACARTHY 559	1	Leon Marius Venter

Application for Environmental Authorisation

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Gloucester - Olfants Pipeline	Clifton - Gloucester Pipeline	Trewill - Clifton Pipeline	Kneukel - Trewill Pipeline	Delp - Kneukel Pipeline	SG Code	Farm Name	Portion	Owner
D					C0410000000055900004	MACARTHY 559	4	Leon Mantus Venter
D					C0410000000055900005	MACARTHY 559	5	Hendrik Johan Swanepoel
D					C0410000000055900002	MACARTHY 559	2	Hendrik Johan Swanepoel
D					C0410000000055900003	MACARTHY 559	3	Coenraad Hendrik Kotze
D					C0410000000056200000	JENKINS 562	RE	COZA Mining - Sarel Venter
D					C0410000000056200003	JENKINS 562	3	Leon Venter
D					C0410000000056200001	JENKINS 562	1	SISHEN IRON ORE COMPANY PTY LTD
D					C0410000000056200000	JENKINS 562	RE	COZA Mining - Sarel Venter
D					C0410000000056300000	ROSCOE 563	RE	ERICH OLIVIER TRUST (Helene Olivier)
D					C0410000000056300003	ROSCOE 563	3	
D					C0410000000056300001	ROSCOE 563	1	TRANSNET
D					C0410000000056600001	SMYTHE 566	1	FILADELFIA TRUST
A					C0410000000056600002	SMYTHE 566	2	
D					C0410000000057000000	MURRAY 570	RE	MURRAY BOERDERY CC (Riaan en Tops van der Linde)
A					C0410000000057000006	MURRAY 570	6	SANRAL
D					C0410000000057000002	MURRAY 570	2	Dirk & Eureka Croucamp (The Ranch)
A					C0410000000057000005	MURRAY 570	5	
A					C0410000000057000004	MURRAY 570	4	
D					C0410000000057000001	MURRAY 570	1	Ollie Smith
D					C0410000000057100000	COX 571	RE	Ollie Smith
A					C0410000000057100005	COX 571	5	
D					C0410000000057100003	COX 571	3	JAFRATA CC (David Francois Malan - Langeberg Stene)
A					C0410000000057100001	COX 571	1	Andrew Christian Olivier
A					C0410000000057100004	COX 571	4	SANRAL

Application for Environmental Authorisation

Appendices

Gloucester - Olifants Pipeline	Clifton - Gloucester Pipeline	Trewill - Clifton Pipeline	Kneukel - Trewill Pipeline	Delp - Kneukel Pipeline	SG Code	Farm Name	Portion	Owner
D					C04100000000057300000	HARTLEY 573	RE	WIESE BOERDERY LTD (Franscois Swart)
D					C04100000000076600000	NEYLAN 766	RE	COENEL EIENDOMME CC (Martin Coetzee)
A					C04100000000076600003	NEYLAN 766	3	
A					C04100000000076600007	NEYLAN 766	7	
D					C04100000000076600004	NEYLAN 766	4	Vergelegen Trust (Lawrence Steyn)
A					C04100000000076600002	NEYLAN 766	2	Marius van Zyl
A					C04100000000076500000	DIERGAART'S HEUWEL 765	0	
D					C04100040000015500000	ERVEN 155	RE/155	Olifantshoek Municipality
A					C04100040000032200000	ERVEN 322		Stephanus Marais
A					C04100040000032300000	ERVEN 323		Maria Saayman
A					C04100040000032400000	ERVEN 324		Stephanus Fouche
A					C04100040000032500000	ERVEN 325		Coenraad Kotze
A					C04100040000054200000	ERVEN 542		Adele Beytell
A					C04100040000077100000	ERVEN 771		Magneitha Pieterse
A					C04100040000195200000	ERVEN 1952		Henri Bamard
A					C04100040000078400000	ERVEN 784		Ian Phillipson
A					C04100040000033800000	ERVEN 338		Letita Roelofse
A					C04100040000045300000	ERVEN 453		Wynand van Wyk
A					C04100040000037300000	ERVEN 373		DIMITRIOS DEVETZIS
A					C04100040000037200000	ERVEN 372		Catharina Maritz
A					C04100040000037100000	ERVEN 371		Johannes Schreuder
A					C04100040000196300000	ERVEN 1963	RE	LEZMIN 3291 CC
A					C04100040000274000000	ERVEN 274		TSANTSABANE MUNICIPALITY
A					C04100040000036800000	ERVEN 368		Bernardus Saayman

Gloucester - Olifants Pipeline	Clifton - Gloucester Pipeline	Trewill - Clifton Pipeline	Kneukel - Trewill Pipeline	Delp - Kneukel Pipeline	SG Code	Farm Name	Portion	Owner
A					C041000400000164000000	ERVEN 164		Marisca van Eeden
A					C041000400000365000000	ERVEN 365		Catharina Maritz
A					C041000400000364000000	ERVEN 364		Magnietha Cloete
A					C041000400000363000000	ERVEN 363		Magnietha Cloete
A					C041000400000362000000	ERVEN 362		HENTIQ 2161 PTY LTD
A					C041000400000361000000	ERVEN 361		Hermanus Schyff
D					C041000400000533000000	ERVEN 533		Willem Smith
A					C041000400000163700000	ERVEN 1637		JOZUA DE LA HARPE
D					C041000400000154000000	ERVEN 154		Olifantshoek Municipality (Cemetery)
D					C041000400000414000000	ERVEN 414		Olifantshoek Community Health Centre
A					C041000400000286000000	ERVEN 286		Raymond Barnard
A					C041000400000293000000	ERVEN 293		Elizabeth Nel
A					C041000400000292000000	ERVEN 292		Willem Myburgh
A					C041000400000291000000	ERVEN 291		Hester Stars
A					C041000400000778000000	ERVEN 778		Annelize van der Merwe
A					C041000400000479000000	ERVEN 479		MUNISIPALITEIT OLIFANTSHOEK

3C. WRITTEN CONSENT OF LANDOWNERS

According to Regulation 39(1) of GN No. R 982 of 4 December 2014 (as amended), if the proponent is not the owner or person in control of the land on which the activity is to be undertaken, the proponent must, before applying for an environmental authorisation in respect of such activity, obtain the written consent of the landowner or person in control of the land to undertake such activity on that land.

This requirement does not apply inter alia for linear developments (e.g. pipelines) or if it is a Strategic Integrated Project (SIP) as contemplated in the Infrastructure Development Act, 2014. The project is classified as a SIP in terms of the following categories:

- *SIP 5: Saldanha-Northern Cape development corridor; and*
- *SIP 18: Water and sanitation infrastructure.*

APPENDIX 4
LIST OF LOCAL/PROVINCIAL AUTHORITY INVOLVED

4A. LOCAL AUTHORITIES (DISTRICT AND LOCAL MUNICIPALITIES)

District Municipality:	Frances Baard District Municipality		
Name of contact person in (Environmental Section)	Kenneth Lucas		
Postal address:	51 Drakensberg Ave, Carters Glen, Kimberley		
Postal code:	8301	Cell:	
Telephone:	054 838 0998	Fax:	
E-mail:	kenneth.lucas@fbdm.co.za		

District Municipality:	ZF Mgcawu District Municipality		
Name of contact person in (Environmental Section)	G Lategaan		
Postal address:	Cnr Nelson Mandela Avenue & Upington 26 Road, Upington		
Postal code:	8801	Cell:	
Telephone:	053 337 2800 / 2820	Fax:	
E-mail:	gil@zfm-dm.gov.za		

District Municipality:	John Taolo Gaetsewe District Municipality		
Name of contact person in (Environmental Section)	D. Molaole		
Postal address:	PO Box 1480, Kuruman		
Postal code:	8460	Cell:	
Telephone:	053 712 8700	Fax:	
E-mail:	dmolaole@gmail.com		

Local Municipality:	Dikgatlong Local Municipality		
Name of contact person in (Environmental Section)	Mr. Odirile August		
Postal address:	Private Bag X5, Barkly West		
Postal code:	8375	Cell:	
Telephone:	053 531 6505	Fax:	053 531 0624
E-mail:	odirileaugust@gmail.com		

Local Municipality:	Kgatelopele Local Municipality		
Name of contact person in (Environmental Section)	Thulagnyo Bannette		
Postal address:	PO Box 43, Danielskuil		
Postal code:	8405	Cell:	
Telephone:	053 384 8600	Fax:	053 384 0326
E-mail:	techmanager@kgatelopele.gov.za		

Local Municipality:	Tsantsabane Local Municipality		
Name of contact person in (Environmental Section)	H. Mathobela		
Postal address:	PO Box 5, Postmasburg,		
Postal code:	8420	Cell:	
Telephone:	053 313 7300	Fax:	053 313 1602
E-mail:	mmsec@tsantabane.gov.za		

Local Municipality:	Gamagara Local Municipality		
Name of contact person in (Environmental Section)	Mr. Modise		
Postal address:	Civic Center, Cnr of Hendrick van Eck and Frikkie Meyer Road,		
Postal code:	8446	Cell:	-
Telephone:	053 723 6000	Fax:	053 723 2021
E-mail:	modise@gamagara.co.za		

**APPENDIX 5
STRATEGIC INFRASTRUCTURE PROJECTS**

<p>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</p> <ul style="list-style-type: none"> • Unlock mineral resources • Rail, water pipelines, energy generation and transmission infrastructure • Thousands of direct jobs across the areas unlocked • Urban development in Waterberg - first major post-apartheid new urban centre will be a “green” development project • Rail capacity to Mpumalanga and Richards Bay • Shift from road to rail in Mpumalanga • Logistics corridor to connect Mpumalanga and Gauteng. 	
<p>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</p> <ul style="list-style-type: none"> • Strengthen the logistics and transport corridor between SA’s main industrial hubs • Improve access to Durban’s export and import facilities • Integrate Free State Industrial Strategy activities into the corridor • New port in Durban • Aerotropolis around OR Tambo International Airport. 	
<p>SIP 3: South-Eastern node & corridor development</p> <ul style="list-style-type: none"> • New dam at Mzimvubu with irrigation systems • N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains • Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape • A manganese sinter (Northern Cape) and smelter (Eastern Cape) • Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector. 	
<p>SIP 4: Unlocking the economic opportunities in North West Province</p> <ul style="list-style-type: none"> • Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure • Enabling reliable supply and basic service delivery • Facilitate development of mining, agricultural activities and tourism opportunities • Open up beneficiation opportunities in North West Province. 	
<p>SIP 5: Saldanha-Northern Cape development corridor</p> <ul style="list-style-type: none"> • Integrated rail and port expansion • Back-of-port industrial capacity (including an IDZ) • Strengthening maritime support capacity for oil and gas along African West Coast • Expansion of iron ore mining production and beneficiation. 	X
<p>SIP 6: Integrated municipal infrastructure project Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.</p>	
<p>SIP 7: Integrated urban space and public transport programme Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport integration.</p>	
<p>SIP 8: Green energy in support of the South African economy Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.</p>	

Indicate capacity in MW:

SIP 9: Electricity generation to support socioeconomic development

Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.

Indicate capacity in MW:

SIP 10: Electricity transmission and distribution for all

Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development.

Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.

SIP 11: Agri-logistics and rural infrastructure

Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.

SIP 12: Revitalisation of public hospitals and other health facilities

Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.

SIP 13: National school build programme

A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.

SIP 14: Higher education infrastructure

Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.

SIP 15: Expanding access to communication technology

Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infracore fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas.

While the private sector will invest in ICT infrastructure for urban and corporate networks, government will co-invest for township and rural access, as well as for e-government, school and health connectivity.

The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.

SIP 16: SKA & Meerkat

SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.

SIP 17: Regional integration for African cooperation and development

Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%. The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term. All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.

SIP 18: Water and sanitation infrastructure

A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation.

The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.

APPENDIX 6
LIST OF SGIDS / COORDINATES OF THE BOUNDARY OF THE PROPERTY OR PROPERTIES / COORDINATES
OF LISTED ACTIVITIES

6A. LIST OF SGIDS OF THE PROPERTIES (DIRECTLY AFFECTED & ADJACENT)

VGRWSS-II: Upgrading of Existing Scheme

SG Code	Farm Name	Portion
C00700000000021800008	FARM 218	8
C00700000000021800007	FARM 218	7
C00700000000021800006	FARM 218	6
C00700000000021800005	FARM 218	5
C00700000000021800004	FARM 218	4
C00700000000021800003	FARM 218	3
C00700000000021800000	FARM 218	RE
C00700000000027900000	MOZIB 279	RE
C00700000000021700000	FARM 217	RE
C00700030000000400000	ERVEN 4	
C00700000000021600003	FARM 216	3
C00700000000021600002	FARM 216	2
C00700000000021600008	FARM 216	8
C00700000000021500000	FARM 215	RE
C00700000000021500004	FARM 215	4
C00700000000021500008	FARM 215	8
C00700000000021500007	FARM 215	7
C00700000000021500006	FARM 215	6
C00700000000021500001	FARM 215	1
C00700000000021400001	WELTEVREDEN 214	1
C00700000000021400002	WELTEVREDEN 214	2
C00700000000021300002	FARM 213	2
C00700000000021300003	FARM 213	3
C00700000000021300004	FARM 213	4
C00700000000021300000	FARM 213	RE
C00700000000021200001	KOOPMANSFONTEIN 212	1
C00700000000021200004	KOOPMANSFONTEIN 212	4
C00700000000021200005	KOOPMANSFONTEIN 212	5
C00700000000021200007	KOOPMANSFONTEIN 212	7
C00700000000021200009	KOOPMANSFONTEIN 212	9
C00700000000021200010	KOOPMANSFONTEIN 212	10
C00700000000037700000	FARM 377	RE
C00700000000037800000	FARM 378	RE
C00700000000021100006	FARM 211	6
C00700000000021000000	FARM 210	RE
C00700000000023900000	FARM 239	RE
C00700000000024000000	FARM 240	RE
C00700000000020900004	ROOIGRAVEL 209	4
C00700000000024100000	FARM 241	0
C00700000000026900000	FARM 269	RE
C00700000000026700000	FARM 267	RE
C00700000000026700002	FARM 267	2

SG Code	Farm Name	Portion
C0070000000026600003	FARM 266	3
C0070000000026600002	FARM 266	2
C0070000000026600001	FARM 266	1
C0070000000029800003	FARM 298	3
C0070000000029900001	FARM 299	1
C0070000000029900002	FARM 299	2
C0070000000029900004	FARM 299	4
C0070000000029900006	FARM 299	6
C0070000000029900003	FARM 299	3
C0070000000030000004	FARM 300	4
C0070000000030000006	FARM 300	6
C0070000000030000001	FARM 300	1
C0310000000045800016	CARTER BLOCK 458	16
C0310000000045800059	CARTER BLOCK 458	59
C0310000000045800003	CARTER BLOCK 458	3
C0310000000045800007	CARTER BLOCK 458	7
C0310000000045800008	CARTER BLOCK 458	8
C0310000000045800058	CARTER BLOCK 458	58
C0310000000045800057	CARTER BLOCK 458	57
C0310000000045800066	CARTER BLOCK 458	66
C0310000000045800067	CARTER BLOCK 458	67
C0310000000045800068	CARTER BLOCK 458	68
C0310000000045800069	CARTER BLOCK 458	69
C0310000000045800070	CARTER BLOCK 458	70
C0310000000045800009	CARTER BLOCK 458	9
C0310000000045800010	CARTER BLOCK 458	10
C0310000000045800028	CARTER BLOCK 458	28
C0310000000045800011	CARTER BLOCK 458	11
C0310000000045800055	CARTER BLOCK 458	55
C0310000000045800054	CARTER BLOCK 458	54
C0310000000045800052	CARTER BLOCK 458	52
C0310000000045800001	CARTER BLOCK 458	1
C0310000000045800053	CARTER BLOCK 458	53
C0310000000045800005	CARTER BLOCK 458	5
C0310000000045800002	CARTER BLOCK 458	2
C0310000000045800004	CARTER BLOCK 458	4
C0310000000045800052	CARTER BLOCK 458	52
C0310000000045800051	CARTER BLOCK 458	51
C0310000000045800037	CARTER BLOCK 458	37
C0310000000045800035	CARTER BLOCK 458	35
C0310000000045800059	CARTER BLOCK 458	59
C0310000000045800060	CARTER BLOCK 458	60
C0310000000046700004	KAAB PLATEAU 467	4
C0310000000046700003	KAAB PLATEAU 467	3
C0310000000046700000	KAAB PLATEAU 467	RE
C0310000000046800000	FARM 468	RE

SG Code	Farm Name	Portion
C031000000004680004	FARM 468	4
C031000000004680002	FARM 468	2
C031000000004680003	FARM 468	3
C031000000004690001	FARM 469	1
C031000000004690003	FARM 469	3
C031000000004690000	FARM 469	RE
C031000000004690002	FARM 469	2
C031000000004530000	GROENWATER 453	RE
C031000000004530008	GROENWATER 453	8
C031000000004530004	GROENWATER 453	4
C031000000004530013	GROENWATER 453	13
C031000000004530005	GROENWATER 453	5
C031000000004710002	FARM 471	2
C031000000004720001	FARM 472	1
C031000000004720004	FARM 472	4
C031000000004720003	FARM 472	3
C031000000004720005	FARM 472	5
C031000000004720000	FARM 472	RE
C031000000004720002	FARM 472	2
C031000000004730001	ROOIPOORT 473	1
C031000000004730002	ROOIPOORT 473	2
C031000000004920000	FARM 492	RE
C031000300000010000	ERVEN 1	RE/1
C0310003000001840000	ERVEN 184	
C031000300000140000	ERVEN 14	RE/14
C0310003000013310000	ERVEN 1331	RE
C031000300000110000	ERVEN 11	RE/11
C031000300000120000	ERVEN 12	
C0310003000037540000	ERVEN 3754	
C0310003000035850000	ERVEN 3585	
C0310003000035970000	ERVEN 3597	
C031000000004490012	PENS FONTEIN 449	12
C031000000004490002	PENS FONTEIN 449	2
C031000000004500001	FARM 450	1
C031000000004500000	FARM 450	RE
C031000000004450002	FARM 445	2
C031000000004450001	FARM 445	1
C031000000004450000	FARM 445	RE
C031000000004360002	KAPSTEWEL 436	2
C031000000004360009	KAPSTEWEL 436	9
C031000000004360004	KAPSTEWEL 436	4
C031000000004350000	DRIEHOEKS PAN 435	RE
C041000000006740008	GLOUCESTER 674	8
C041000000006740003	GLOUCESTER 674	3
C041000000006730000	LOHATLHA 673	RE
C041000000006730004	LOHATLHA 673	4

SG Code	Farm Name	Portion
C0410000000067300001	LOHATLHA 673	1
C0410000000067200003	MOROKWA 672	3
C0410000000067100000	BISHOP 671	RE
C0410000000067100001	BISHOP 671	1
C0410000000055900001	MACARTHY 559	1
C0410000000055900004	MACARTHY 559	4
C0410000000055900005	MACARTHY 559	5
C0410000000055900002	MACARTHY 559	2
C0410000000055900003	MACARTHY 559	3
C0410000000056200000	JENKINS 562	RE
C0410000000056200003	JENKINS 562	3
C0410000000056200001	JENKINS 562	1
C0410000000056200000	JENKINS 562	RE
C0410000000056300000	ROSCOE 563	RE
C0410000000056300003	ROSCOE 563	3
C0410000000056300001	ROSCOE 563	1
C0410000000056600001	SMYTHE 566	1
C0410000000056600002	SMYTHE 566	2
C0410000000057000000	MURRAY 570	RE
C0410000000057000006	MURRAY 570	6
C0410000000057000002	MURRAY 570	2
C0410000000057000005	MURRAY 570	5
C0410000000057000004	MURRAY 570	4
C0410000000057000001	MURRAY 570	1
C0410000000057100000	COX 571	RE
C0410000000057100005	COX 571	5
C0410000000057100003	COX 571	3
C0410000000057100001	COX 571	1
C0410000000057100004	COX 571	4
C0410000000057300000	HARTLEY 573	RE
C0410000000076600000	NEYLAN 766	RE
C0410000000076600003	NEYLAN 766	3
C0410000000076600007	NEYLAN 766	7
C0410000000076600004	NEYLAN 766	4
C0410000000076600002	NEYLAN 766	2
C0410000000076500000	DIERGAART'S HEUWEL 765	0
C0410004000001550000	ERVEN 155	RE/155
C0410004000003220000	ERVEN 322	
C0410004000003230000	ERVEN 323	
C0410004000003240000	ERVEN 324	
C0410004000003250000	ERVEN 325	
C0410004000005420000	ERVEN 542	
C0410004000007710000	ERVEN 771	
C0410004000019520000	ERVEN 1952	
C0410004000007840000	ERVEN 784	
C0410004000003380000	ERVEN 338	

SG Code	Farm Name	Portion
C04100040000045300000	ERVEN 453	
C04100040000037300000	ERVEN 373	
C04100040000037200000	ERVEN 372	
C04100040000037100000	ERVEN 371	
C04100040000196300000	ERVEN 1963	RE
C04100040000274000000	ERVEN 274	
C04100040000036800000	ERVEN 368	
C04100040000164000000	ERVEN 164	
C04100040000036500000	ERVEN 365	
C04100040000036400000	ERVEN 364	
C04100040000036300000	ERVEN 363	
C04100040000036200000	ERVEN 362	
C04100040000036100000	ERVEN 361	
C04100040000053300000	ERVEN 533	
C04100040000163700000	ERVEN 1637	
C04100040000015400000	ERVEN 154	
C04100040000041400000	ERVEN 414	
C04100040000028600000	ERVEN 286	
C04100040000029300000	ERVEN 293	
C04100040000029200000	ERVEN 292	
C04100040000029100000	ERVEN 291	
C04100040000077800000	ERVEN 778	
C04100040000047900000	ERVEN 479	

6B. COORDINATES OF LISTED ACTIVITIES

VGRWSS-II: Upgrading of the Existing Scheme

Activity No.	Project Components	Coordinates		
			Latitude	Longitude
GN 983 of 2014 EIA Regulations, as amended				
Activity 9	Pipeline (Delportshoop – Olifantshoek)	Start Point:	28°24'26.3762"S	24°16'4.305"E
		Centre Point:	28°17'40.968"S	23°19'12.2703"E
		End Point:	27°56'32.3471"S	22°44'1.5041"E
Activity 12, Activity 19, and Activity 48	Watercourse crossings along pipeline*		28°24'27.5633"S	24°16'0.4206"E
			28°24'3.5669"S	24°15'51.0309"E
			28°23'53.5048"S	24°15'58.6982"E
			28°23'37.7124"S	24°16'10.7086"E
			28°20'19.3687"S	24°13'48.7618"E
			28°19'39.2446"S	24°14'0.7137"E
			28°19'5.8458"S	24°13'45.7117"E
			28°18'25.9537"S	24°12'55.1656"E
			28°18'22.8682"S	24°11'55.52"E
			28°18'21.8368"S	24°11'8.5895"E
			28°17'57.1078"S	24°7'55.6476"E
			28°16'39.5553"S	24°5'10.1568"E
			28°15'27.8925"S	24°3'8.1593"E
			28°14'54.257"S	24°2'0.5622"E
			28°14'25.1702"S	24°0'40.3586"E
			28°14'32.5037"S	23°59'48.6807"E
			28°14'39.7211"S	23°58'58.1065"E
			28°14'46.6485"S	23°58'9.078"E
			28°14'53.3524"S	23°57'18.2047"E
			28°15'2.3769"S	23°56'16.2832"E
			28°15'38.6768"S	23°52'38.514"E
			28°16'11.2724"S	23°49'47.4693"E
			28°20'0.0115"S	23°36'53.4537"E
			28°21'19.6624"S	23°32'55.6129"E
			28°20'34.094"S	23°24'38.8546"E
			28°20'29.1736"S	23°24'29.8133"E
			28°20'9.2383"S	23°23'45.1248"E
			28°19'20.5282"S	23°22'14.0626"E
			28°18'58.8525"S	23°21'33.1492"E
			28°18'53.4207"S	23°21'24.3823"E
			28°17'45.6774"S	23°20'36.954"E
			28°17'32.4416"S	23°19'55.1653"E
			28°17'43.6147"S	23°19'2.777"E
	28°18'3.5115"S	23°17'34.3497"E		
	28°18'55.2042"S	23°14'55.4882"E		
	28°19'9.6217"S	23°14'21.0158"E		

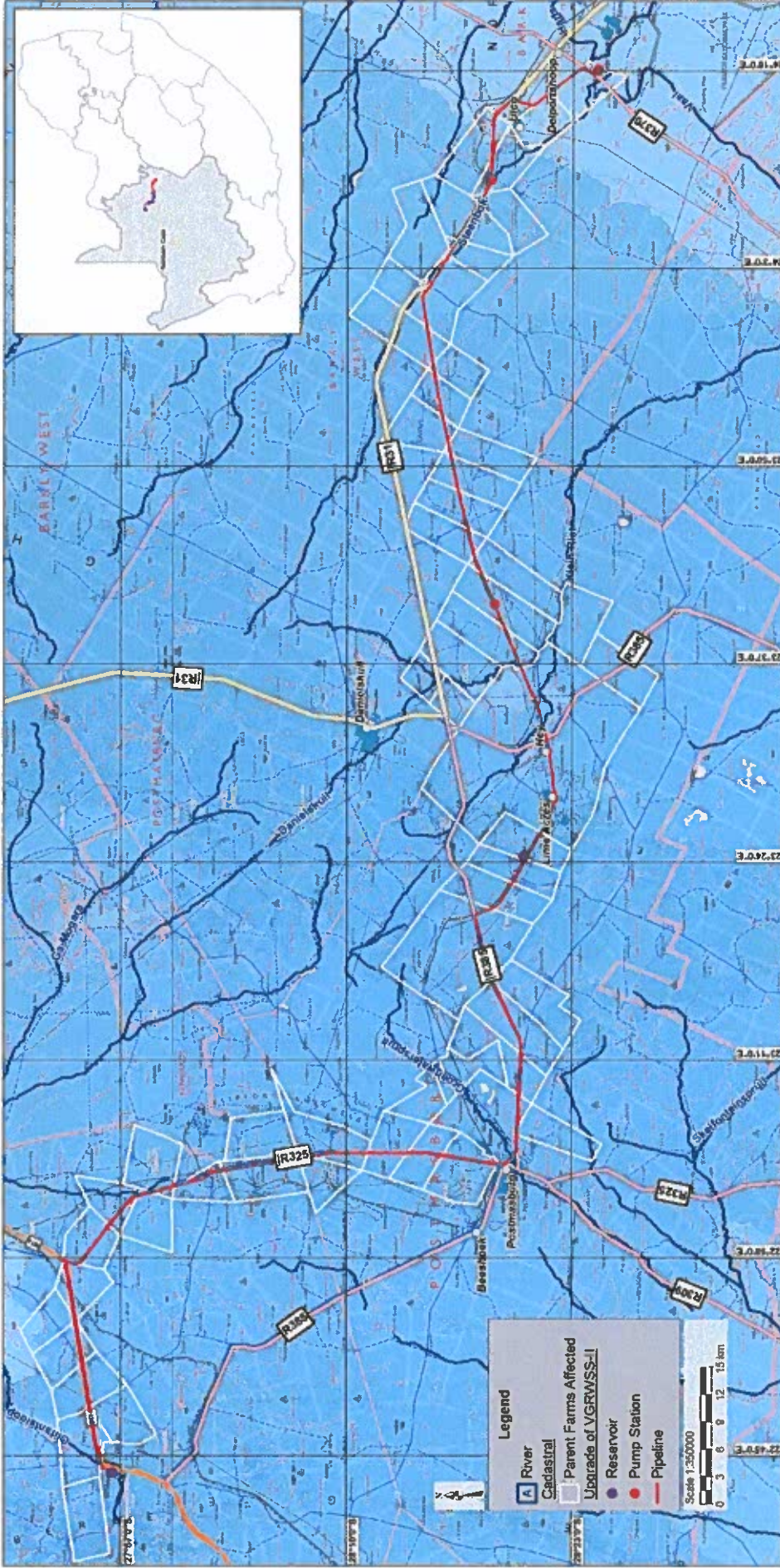
Activity No.	Project Components	Coordinates	
		Latitude	Longitude
		28°19'16.2181"S	23°14'5.378"E
		28°19'38.9939"S	23°13'10.7727"E
		28°19'46.6754"S	23°12'52.4573"E
		28°20'1.7118"S	23°12'14.6572"E
		28°20'2.8935"S	23°12'7.7066"E
		28°20'5.1603"S	23°11'29.9644"E
		28°20'3.9356"S	23°11'5.7283"E
		28°20'3.0332"S	23°10'48.2303"E
		28°20'1.0349"S	23°10'4.7402"E
		28°19'57.2963"S	23°8'44.8327"E
		28°19'54.7179"S	23°7'58.7197"E
		28°19'51.366"S	23°6'48.6217"E
		28°19'49.8834"S	23°6'14.5022"E
		28°19'49.2388"S	23°6'0.6867"E
		28°19'48.4653"S	23°5'45.2309"E
		28°19'37.3997"S	23°4'38.0745"E
		28°15'27.982"S	23°4'43.6511"E
		28°10'1.8124"S	23°4'52.5318"E
		27°54'5.3186"S	22°56'13.2515"E
		27°54'10.9699"S	22°55'33.9537"E
		27°54'45.9093"S	22°51'25.6908"E
		27°55'5.1625"S	22°49'9.1485"E
		27°55'36.1911"S	22°45'41.0542"E
		27°55'52.9623"S	22°44'35.6616"E
Activity 14	Fuel Stores	<i>To be confirmed</i>	
Activity 24	Access roads		
Activity 27	Construction camps and laydown areas		
	Spoil sites		
Activity 31	Decommissioning of existing pipeline	<i>To be confirmed</i>	
	Fuel storage areas		
Activity 45	Expansion of pipeline sections		
Activity 56	Widening of access roads		
GN R985 of 2014 EIA Regulations, as amended			
Activity 2 (g)(ii)	Gloucester	28° 6'24.2300"S	23° 4'22.4000"E
	Trewill	28°18'32.1876"S	23°40'56.0082"E
	Clifton	28°20'13.4800"S	23°24'24.7300"E
Activity 4 (g)(ii)	Development of access roads	<i>To be confirmed</i>	
Activity 10 (g)(ii)	Storage of dangerous goods		
Activity 12 (g)(ii)	Construction camps and laydown areas		
Activity 14 (g)(ii)	Watercourse crossings along pipeline	28°24'27.5633"S	24°16'0.4206"E
		28°24'3.5669"S	24°15'51.0309"E
		28°23'53.5048"S	24°15'58.6982"E

Activity No.	Project Components	Coordinates	
		Latitude	Longitude
		28°23'37.7124"S	24°16'10.7086"E
		28°20'19.3687"S	24°13'48.7618"E
		28°19'39.2446"S	24°14'0.7137"E
		28°19'5.8458"S	24°13'45.7117"E
		28°18'25.9537"S	24°12'55.1656"E
		28°18'22.8682"S	24°11'55.52"E
		28°18'21.8368"S	24°11'8.5895"E
		28°17'57.1078"S	24°7'55.6476"E
		28°16'39.5553"S	24°5'10.1568"E
		28°15'27.8925"S	24°3'8.1593"E
		28°14'54.257"S	24°2'0.5622"E
		28°14'25.1702"S	24°0'40.3586"E
		28°14'32.5037"S	23°59'48.6807"E
		28°14'39.7211"S	23°58'58.1065"E
		28°14'46.6485"S	23°58'9.078"E
		28°14'53.3524"S	23°57'18.2047"E
		28°15'2.3769"S	23°56'16.2832"E
		28°15'38.6768"S	23°52'38.514"E
		28°16'11.2724"S	23°49'47.4693"E
		28°20'0.0115"S	23°36'53.4537"E
		28°21'19.6624"S	23°32'55.6129"E
		28°19'38.9939"S	23°13'10.7727"E
		28°19'46.6754"S	23°12'52.4573"E
		28°20'1.7118"S	23°12'14.6572"E
		28°20'2.8935"S	23°12'7.7066"E
		28°20'5.1603"S	23°11'29.9644"E
		28°20'3.9356"S	23°11'5.7283"E
		28°20'3.0332"S	23°10'48.2303"E
		28°20'1.0349"S	23°10'4.7402"E
		28°19'51.366"S	23°6'48.6217"E
		28°19'49.8834"S	23°6'14.5022"E
		28°19'49.2388"S	23°6'0.6867"E
		28°19'48.4653"S	23°5'45.2309"E
		28°19'37.3997"S	23°4'38.0745"E
		28°15'27.982"S	23°4'43.6511"E
		28°10'1.8124"S	23°4'52.5318"E
		27°54'5.3186"S	22°56'13.2515"E
		27°54'10.9699"S	22°55'33.9537"E
		27°54'45.9093"S	22°51'25.6908"E
		27°55'5.1625"S	22°49'9.1485"E
		27°55'36.1911"S	22°45'41.0542"E
		27°55'52.9623"S	22°44'35.6616"E
Activity 18 (g)(ii)	Widening of a road	<i>To be confirmed</i>	

* Based on centreline of watercourses (without delineated boundaries)

**APPENDIX 7
LOCALITY MAP**

7A. VGRWSS-II - LOCALITY MAP



PREPARED FOR:



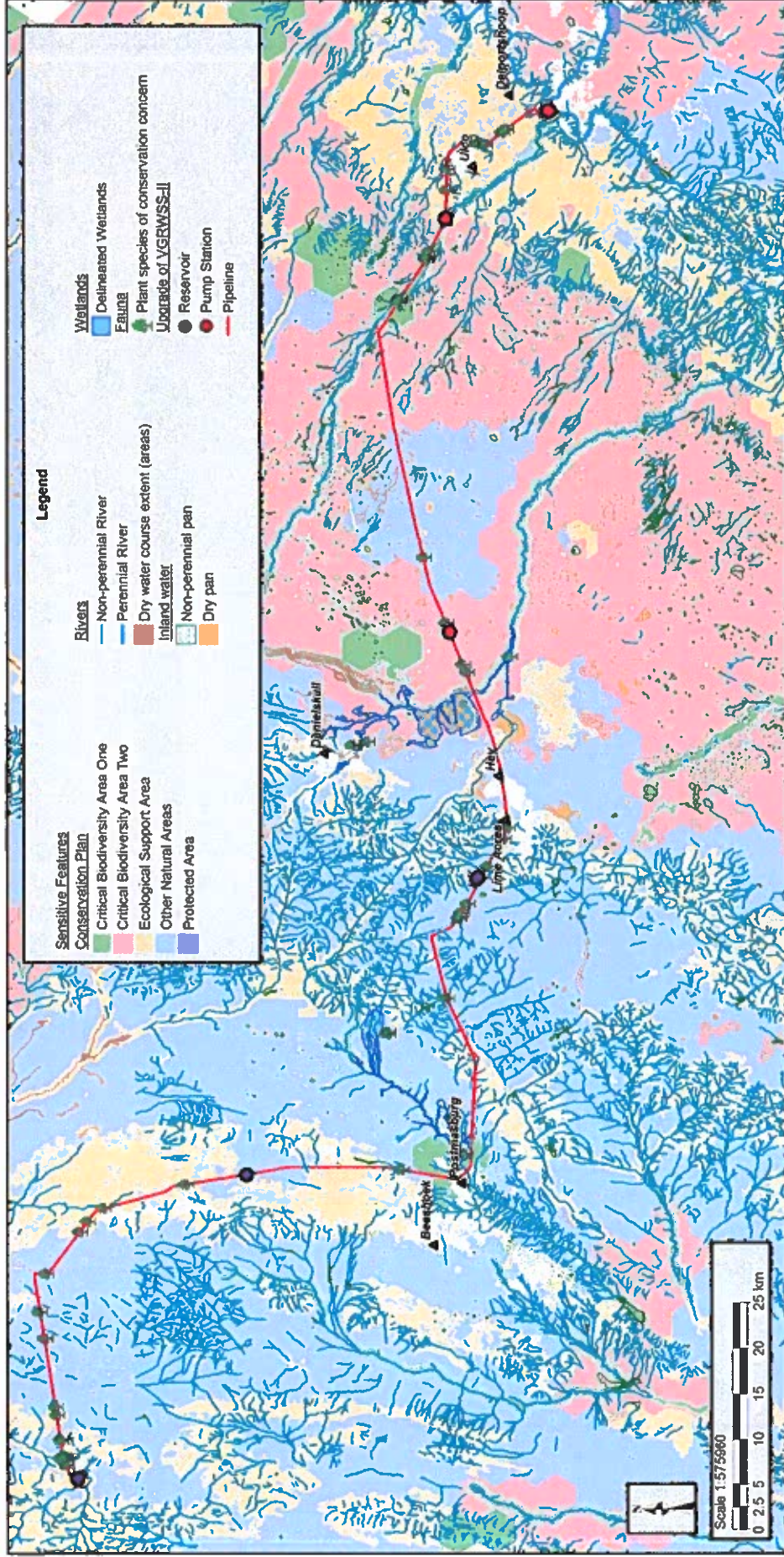
PREPARED BY:

VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2

Upgrading of the Existing Scheme

REGIONAL LOCALITY MAP

7B. VGRWSS-II - SENSITIVITY MAP



PREPARED FOR:



PREPARED BY:

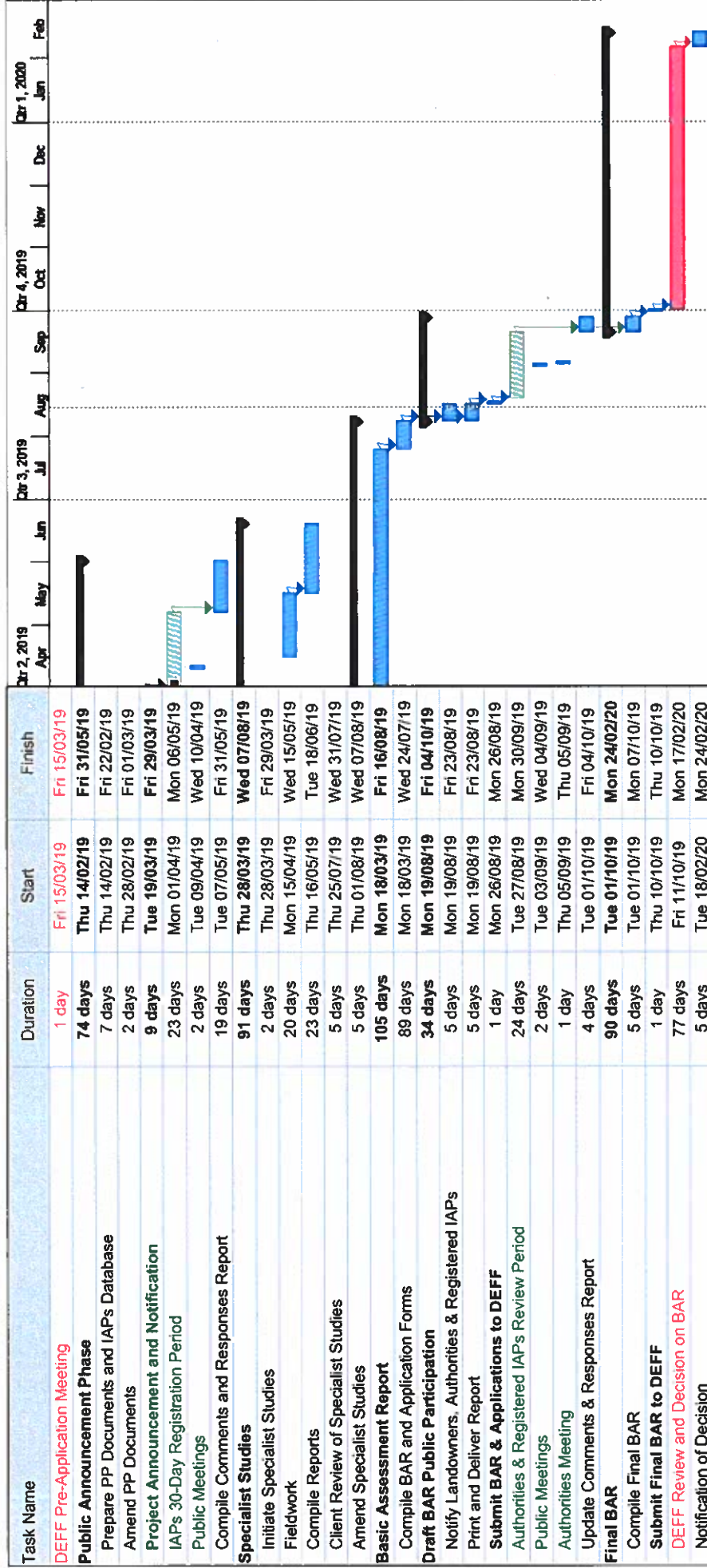
VAAL GAMAGARA REGIONAL WATER SUPPLY SCHEME PHASE 2:

Upgrading of the Existing Scheme

SENSITIVITY MAP

**APPENDIX 8
PROJECT SCHEDULE**

8A. EIA PROJECT SCHEDULE



**APPENDIX 9
DECLARATION OF THE APPLICANT**

I, MPINANE ANASTACIA SIMSHA declare that –

- I am, or represent¹, the applicant in this application;
- I have appointed an Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application / have obtained exemption from the requirement to obtain an EAP²;
- I will take all reasonable steps to verify whether the EAP and specialist/s appointed are independent and have expertise in conducting environmental impact assessments or undertaking specialist work as required, including knowledge of the Act, the EIA Regulations and any guidelines that have relevance to the proposed activity;
- I will provide the EAP and the Competent Authority with access to all information at my disposal that is relevant to the application;
- I will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
 - costs incurred in connection with the appointment of the EAP or any person contracted by the EAP;
 - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
 - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
 - costs in respect of specialist reviews, if the Competent Authority decides to recover costs; and
 - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the Competent Authority;
- I will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the Competent Authority in this regard;
- I am responsible for complying with the conditions of any environmental authorisation issued by the Competent Authority;
- I hereby indemnify the Government of the Republic of South Africa, the Competent Authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or EAP is responsible for in terms of these Regulations;
- I will not hold the Competent Authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- I will perform all obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.
- I am aware that in terms of Section 24F of the National Environmental Management Act, as amended (Act No. 107 of 1998) that no listed activity may commence prior to an environmental authorisation being granted by the Competent Authority.

M. Mphahle

Signature³ of the applicant/ Signature on behalf of the applicant

SEDIBENG WATER

Name of company (if applicable)

2019.08.07

Date:

¹ If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached. If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

² If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.

³ Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted. An EAP may not sign on behalf of an applicant.

**APPENDIX 10
DECLARATION OF THE EAP**

I, Donovan Henning, declare that -

- I act as the independent environmental assessment practitioner in this application;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I will take into account, to the extent possible, the matters listed in Regulation 13 of the Regulations when preparing the application and any report relating to the application;
- I undertake to disclose to the applicant and the Competent Authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the Competent Authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the Competent Authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the Competent Authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in Section 49B of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- ~~I have a vested interest in the proposed activity proceeding, such vested interest being:~~

N/A

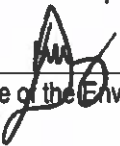
Signature of the environmental assessment practitioner

Nemai Consulting
Name of company:


1 August 2019
Date

UNDERTAKING UNDER OATH/ AFFIRMATION

I, Donavan Henning, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.


Signature of the Environmental Assessment Practitioner

Nemai Consulting
Name of Company

 1 August 2019
Date

PARAMESWARI REDDY CA (SA)
COMMISSIONER OF OATHS
Malani Padayachee & Associates (Pty) Ltd
201 Fico Street
147 Bram Fischer Drive
Ferndale, Randburg 2194

Signature of the Commissioner of Oaths
01 August 2019
Date

