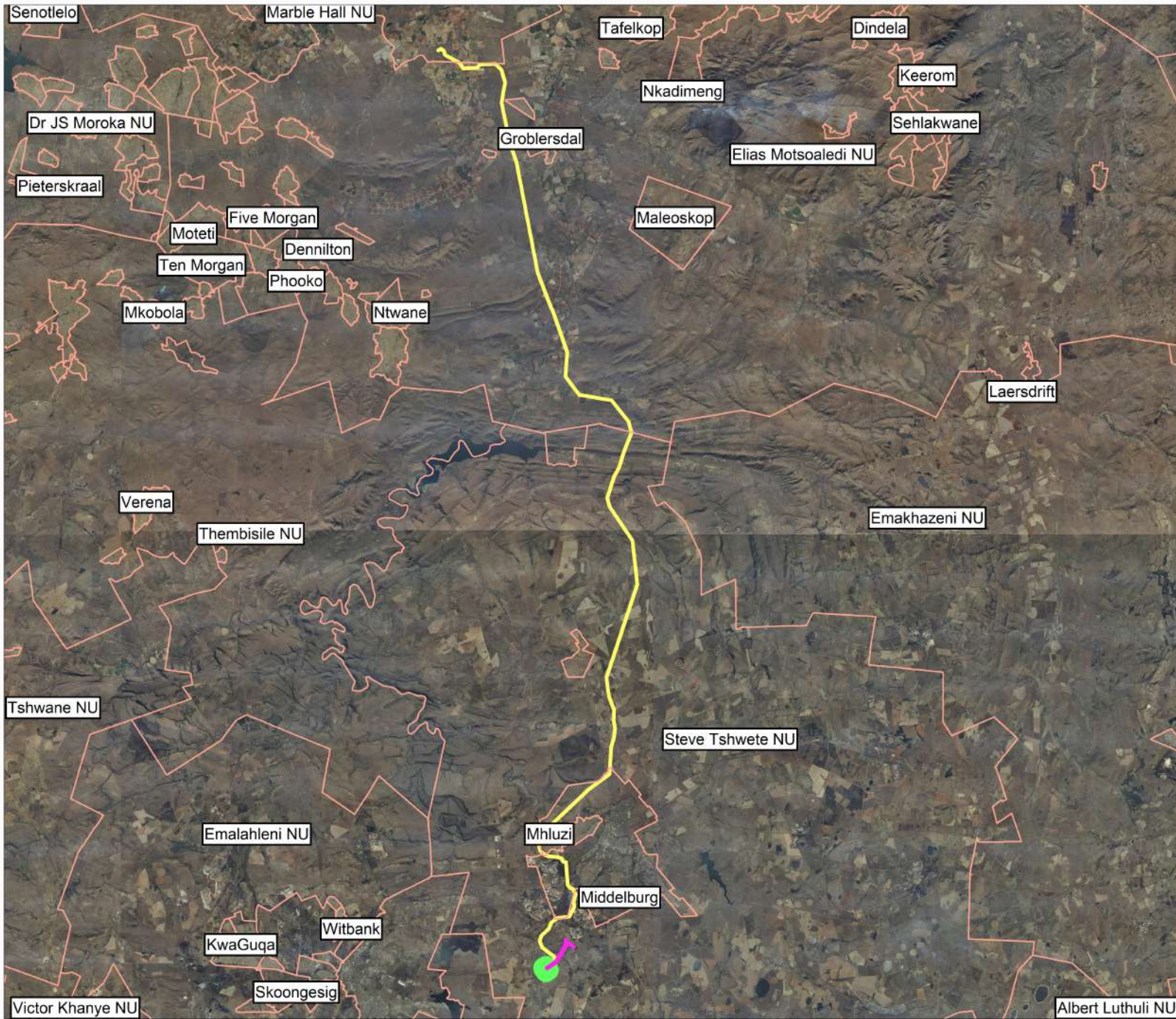


Appendix 3: Maps

Appendix 3(a): Route Plan Maps

Appendix 3(b): Sensitivity Maps





Appendix 3(a): Route Plan Maps



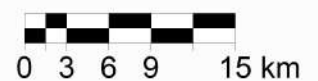
EMKHIWENI SUBSTATION AND 400KV LINE FROM EMKHIWENI SUBSTATION TO SILIMELA

Locality Map

Legend

-  400kV Powerline
-  Substation Boundary
-  Loop in Lines for Substation
-  Main Places

Scale 1:500000











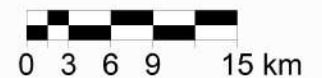
**EMKHIWENI SUBSTATION
AND 400KV LINE FROM
EMKHIWENI SUBSTATION
TO SILIMELA**

Locality Map

Legend

-  400kV
-  Powerline
-  Substation
-  Boundary
-  Loop in
-  Lines for Substation

Scale 1:500000

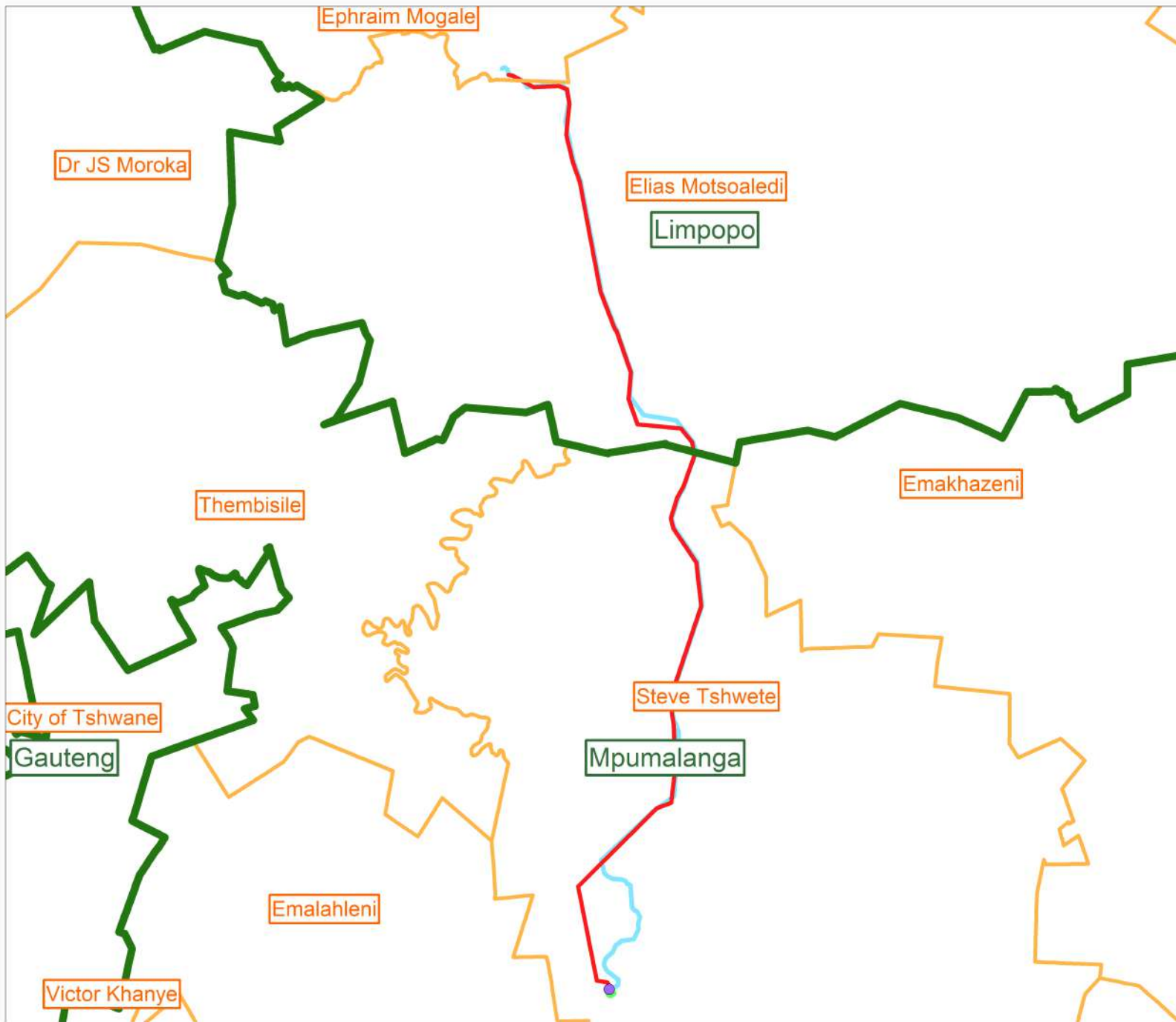




EMKHIWENI SUBSTATION AND 400KV LINE FROM EMKHIWENI SUBSTATION TO SILIMELA
Previously Approved Powerline and Substation

Legend

- Proposed Powerline
- Proposed Substation
- Previous Powerline Approved
- Previous Substation Site Approved
- Local Municipalities 2016
- Provinces





EMKHIWENI SUBSTATION AND 400KV LINE FROM EMKHIWENI SUBSTATION TO SILIMELA
Cadastral Map Section 1

Legend

Limpopo

- Parent farms
- Farm portions

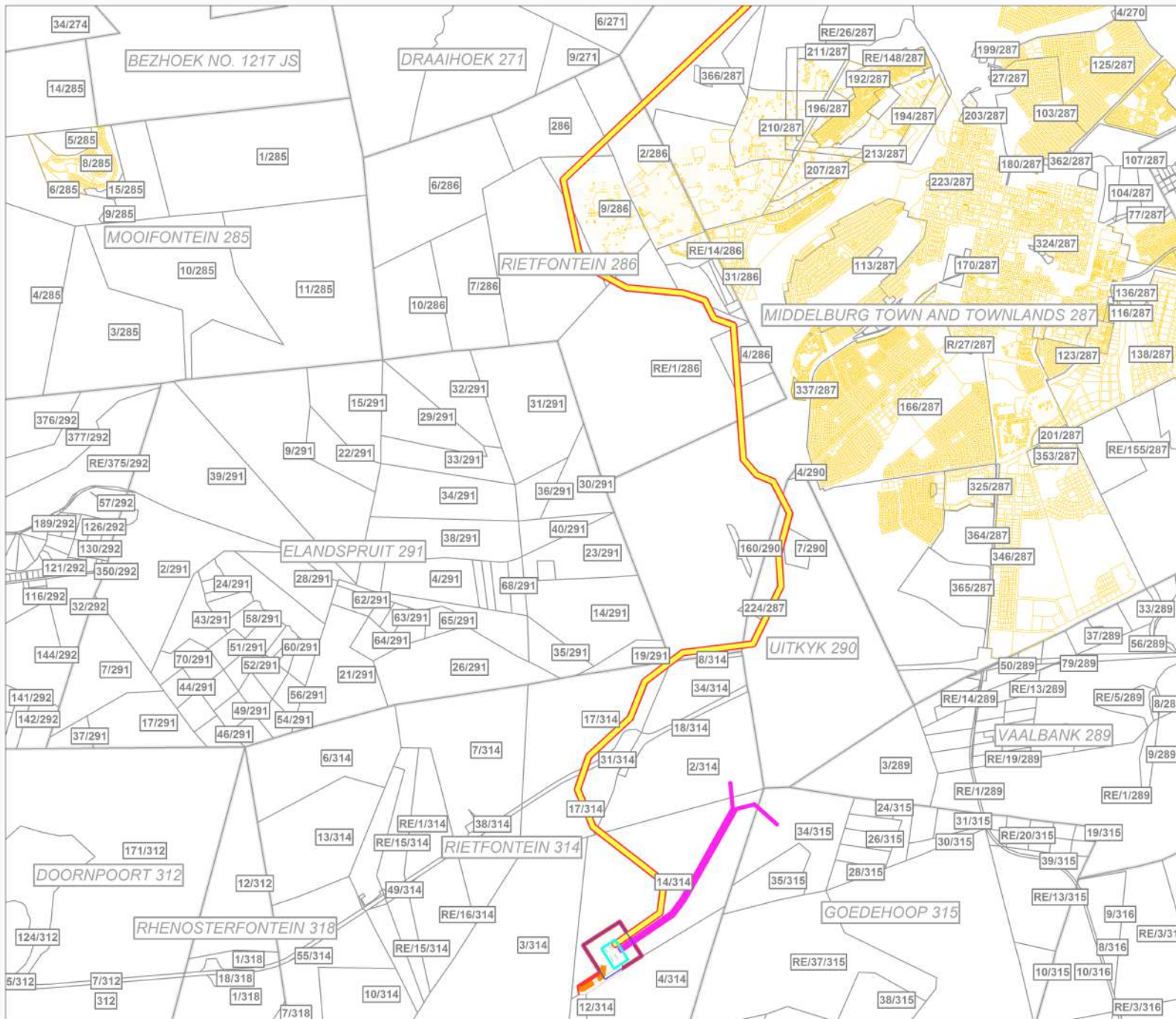
Mpumalanga

- Parent farms
- Farm portions
- Erven

Proposed Developments

- 55m Servitude
- Full Fence
- Access Road
- Internal Road
- Construction Road
- Proposed Powerline
- Loop in Lines for Substation
- Substation Fence
- Emkhiweni Substation Boundary

Scale 1:85000





**EMKHIWENI SUBSTATION
AND 400KV LINE FROM
EMKHIWENI SUBSTATION
TO SILIMELA**
Cadastral Map
Section 2

Legend

Limpopo

- Parent farms
- Farm portions

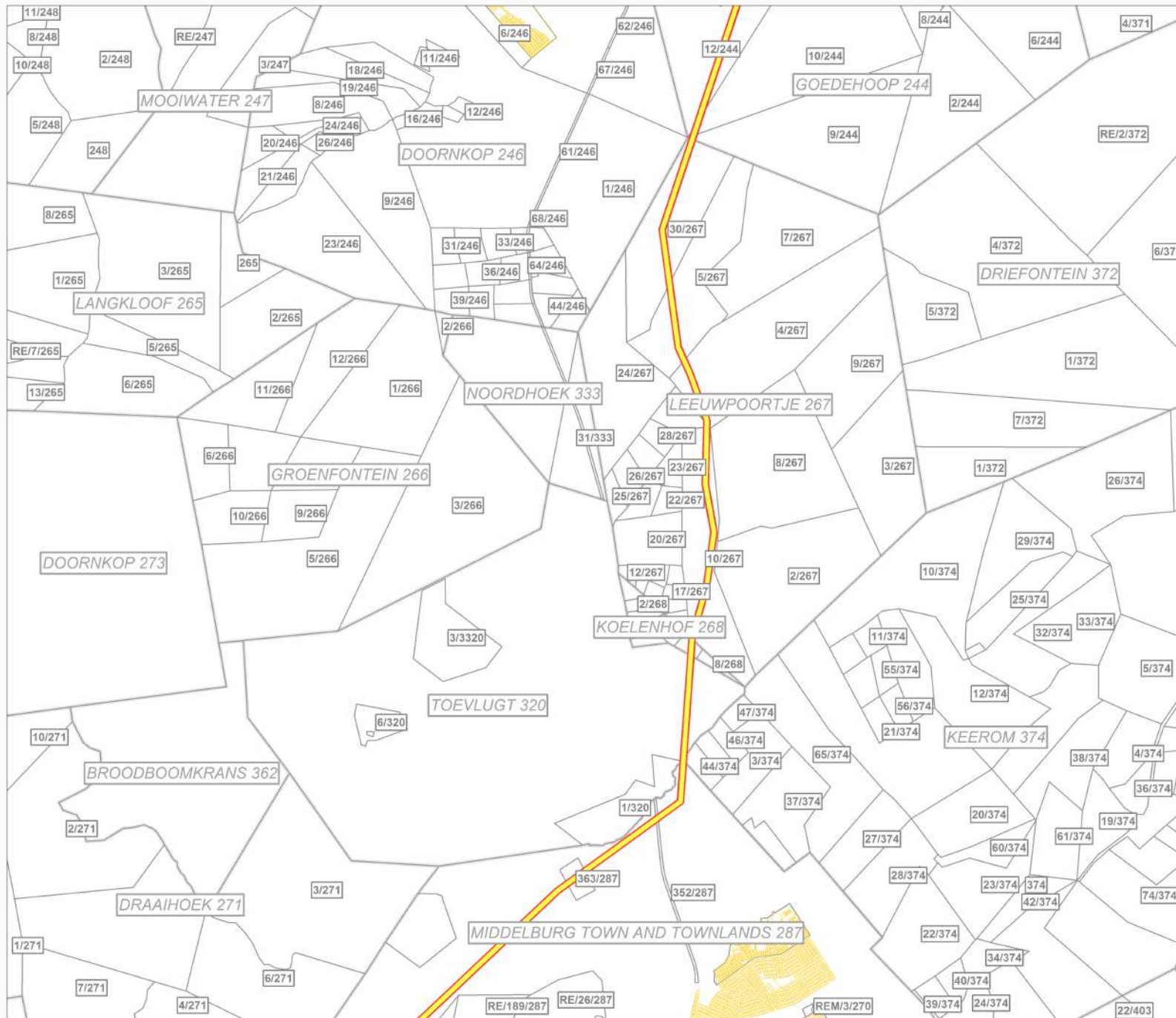
Mpumalanga

- Parent farms
- Farm portions
- Erven

Proposed Developments

- 55m Servitude
- Full Fence
- Access Road
- Internal Road
- Construction Road
- Proposed Powerline
- Loop in Lines for Substation
- Substation Fence
- Emkhiweni Substation Boundary

Scale 1:85000





**EMKHIWENI SUBSTATION
AND 400KV LINE FROM
EMKHIWENI SUBSTATION
TO SILIMELA**
Cadastral Map
Section 3

Legend

Limpopo

- Parent farms
- Farm portions

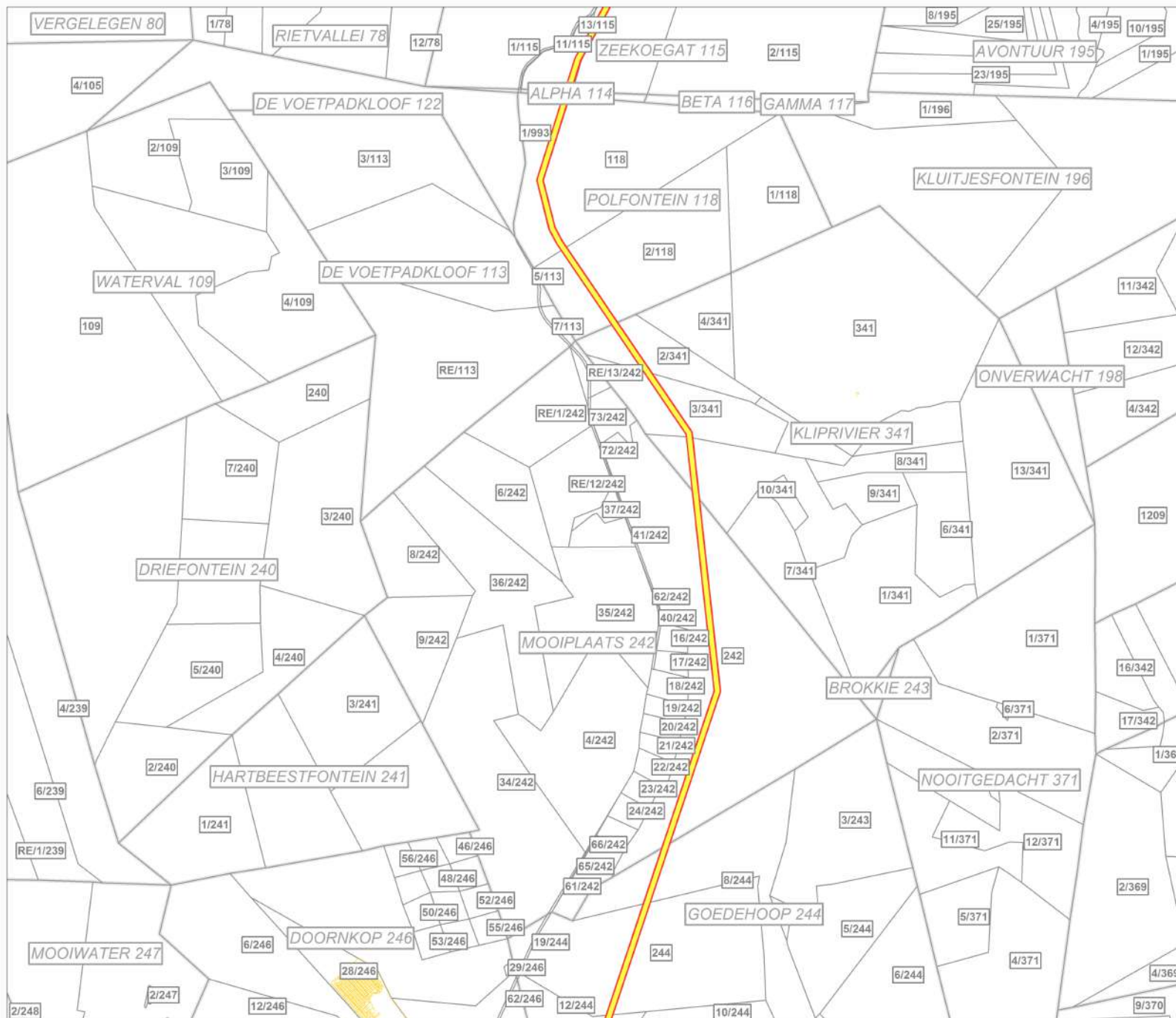
Mpumalanga

- Parent farms
- Farm portions
- Erven

Proposed Developments

- 55m Servitude
- Full Fence
- Access Road
- Internal Road
- Construction Road
- Proposed Powerline
- Loop in Lines for Substation
- Substation Fence
- Emkhiweni Substation Boundary

Scale 1:85000

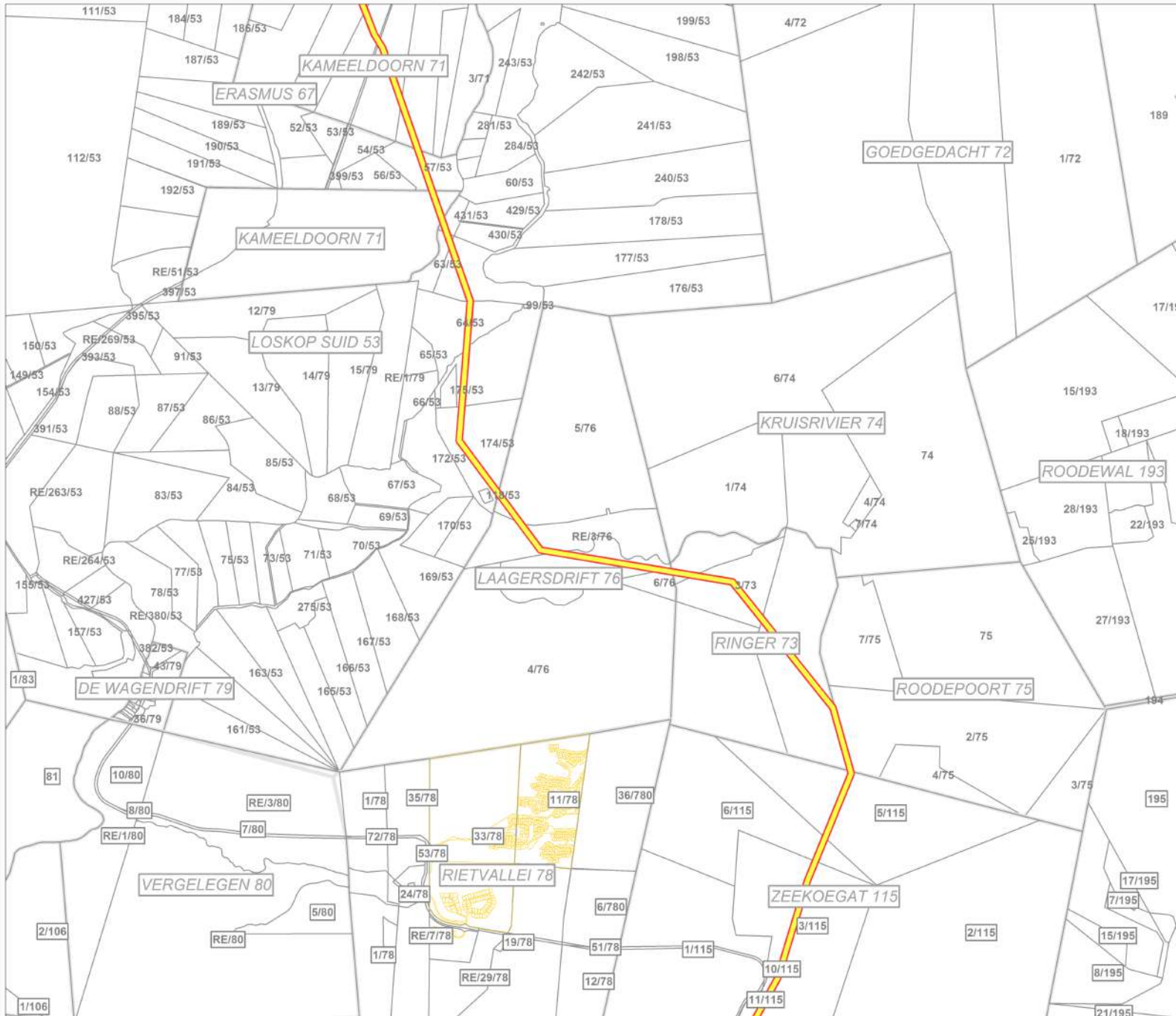
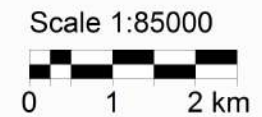




**EMKHIWENI SUBSTATION
AND 400KV LINE FROM
EMKHIWENI SUBSTATION
TO SILIMELA**
Cadastral Map
Section 4

Legend

- Limpopo
- Parent farms
 - Farm portions
- Mpumalanga
- Parent farms
 - Farm portions
 - Erven
- Proposed Developments
- 55m Servitude
 - Full Fence
 - Access Road
 - Internal Road
 - Construction Road
 - Proposed Powerline
 - Loop in Lines for Substation
 - Substation Fence
 - Emkhiweni Substation Boundary





**EMKHIWENI SUBSTATION
AND 400KV LINE FROM
EMKHIWENI SUBSTATION
TO SILIMELA**
Cadastral Map
Section 5

Legend

Limpopo

- Parent farms
- Farm portions

Mpumalanga

- Parent farms
- Farm portions
- Erven

Proposed Developments

- 55m Servitude
- Full Fence
- Access Road
- Internal Road
- Construction Road
- Proposed Powerline
- Loop in Lines for Substation
- Substation Fence
- Emkhiweni Substation Boundary

Scale 1:85000





**EMKHIWENI SUBSTATION
AND 400KV LINE FROM
EMKHIWENI SUBSTATION
TO SILIMELA**
Cadastral Map
Section 6

Legend

Limpopo

- Parent farms
- Farm portions

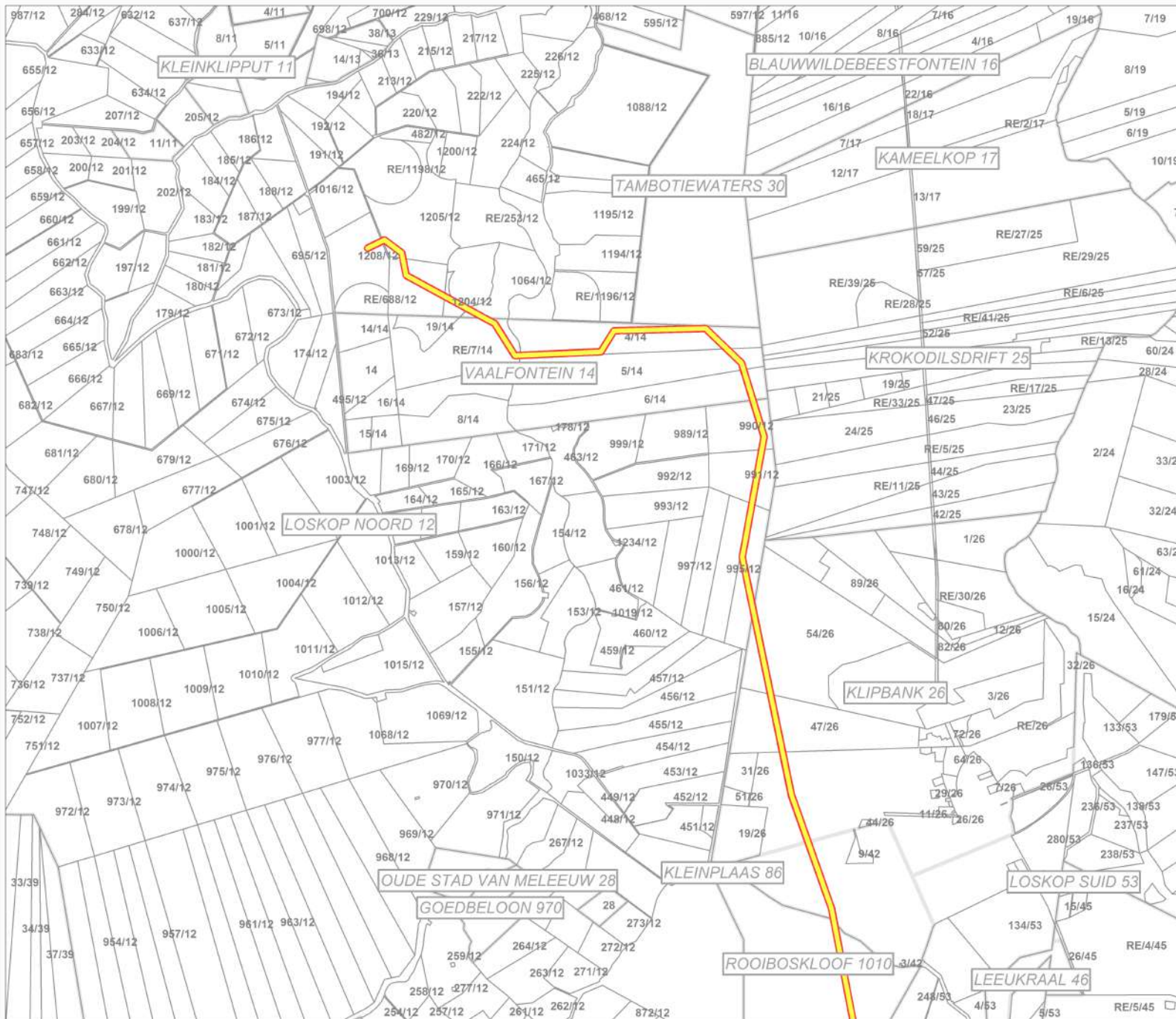
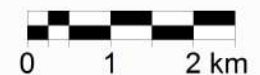
Mpumalanga

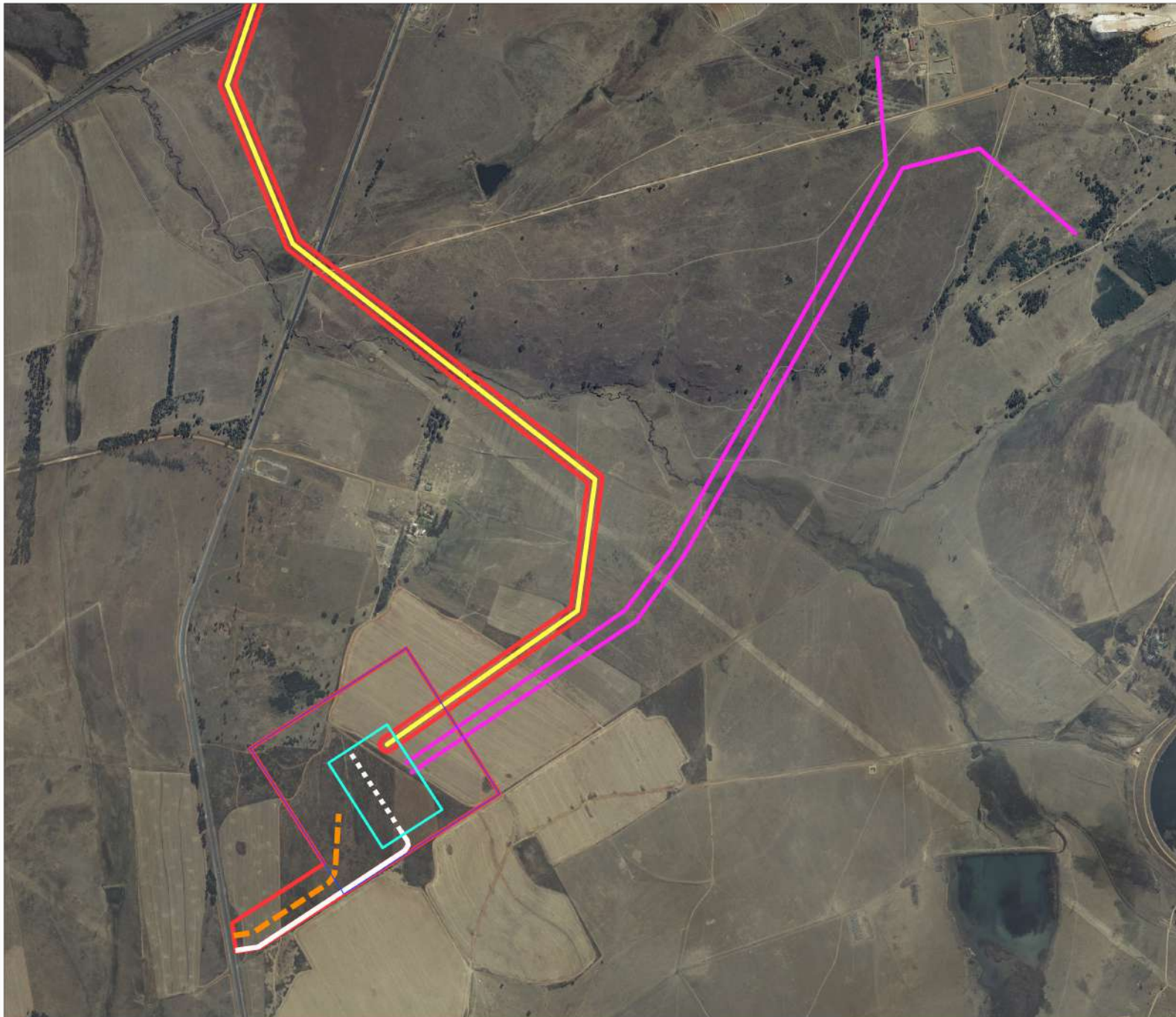
- Parent farms
- Farm portions
- Erven

Proposed Developments

- 55m Servitude
- Full Fence
- Access Road
- Internal Road
- Construction Road
- Proposed Powerline
- Loop in Lines for Substation
- Substation Fence
- Emkhiweni Substation Boundary

Scale 1:85000














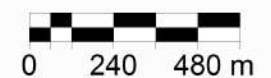
**EMKHIWENI SUBSTATION
AND 400KV LINE FROM
EMKHIWENI SUBSTATION
TO SILIMELA**
Emkhiweni Substation
Layout Map

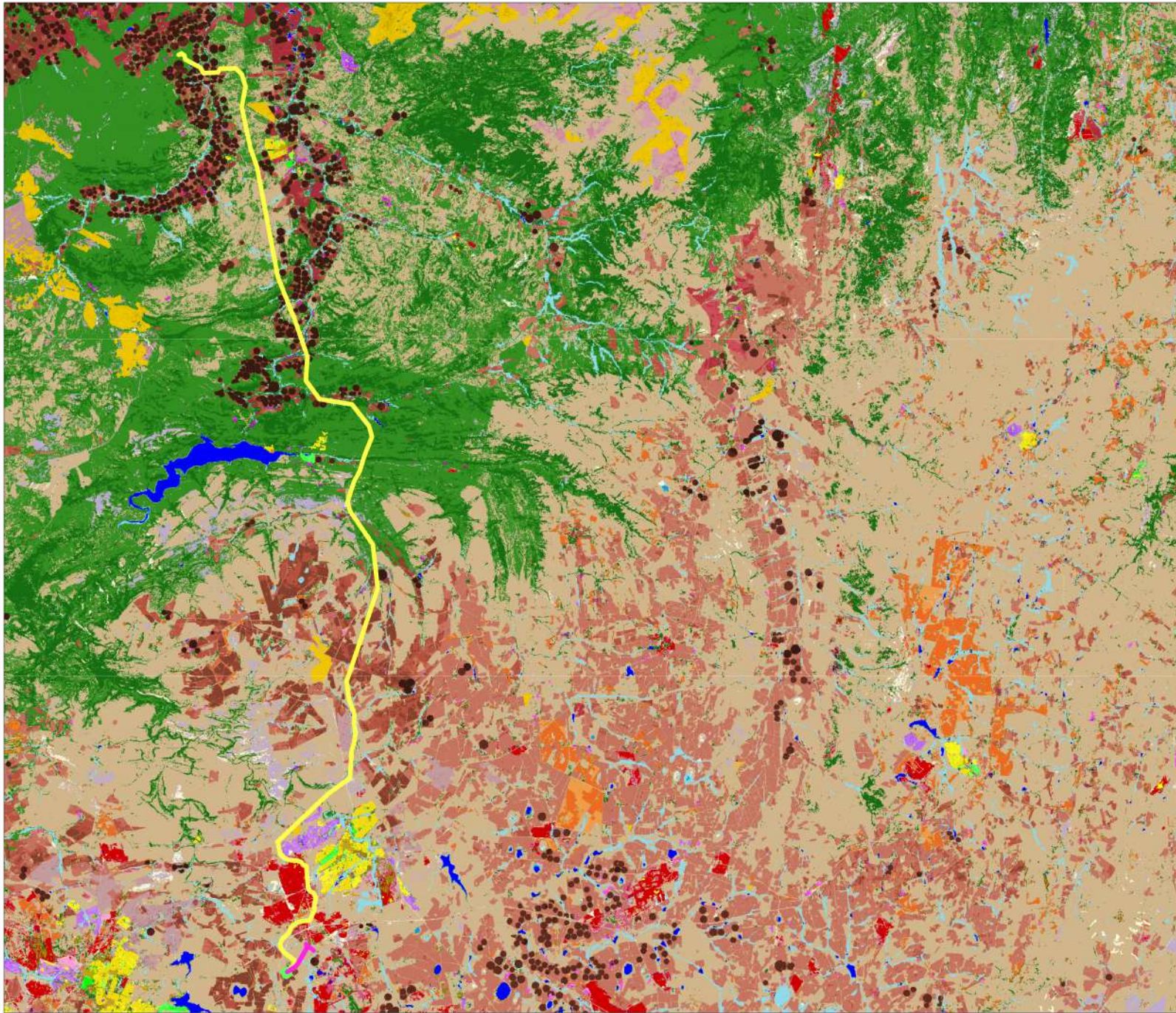
Legend

Proposed Developments

-  55m Servitude
-  Full Fence
-  Access Road
-  Internal Road
-  Construction Road
-  Proposed Powerline
-  Loop in Lines for Substation
-  Substation Fence
-  Emkhiweni Substation Boundary

Scale 1:20000






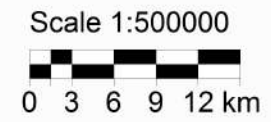


**EMKHIWENI SUBSTATION
AND 400KV LINE FROM
EMKHIWENI SUBSTATION
TO SILIMELA**

Land Use Map

Legend

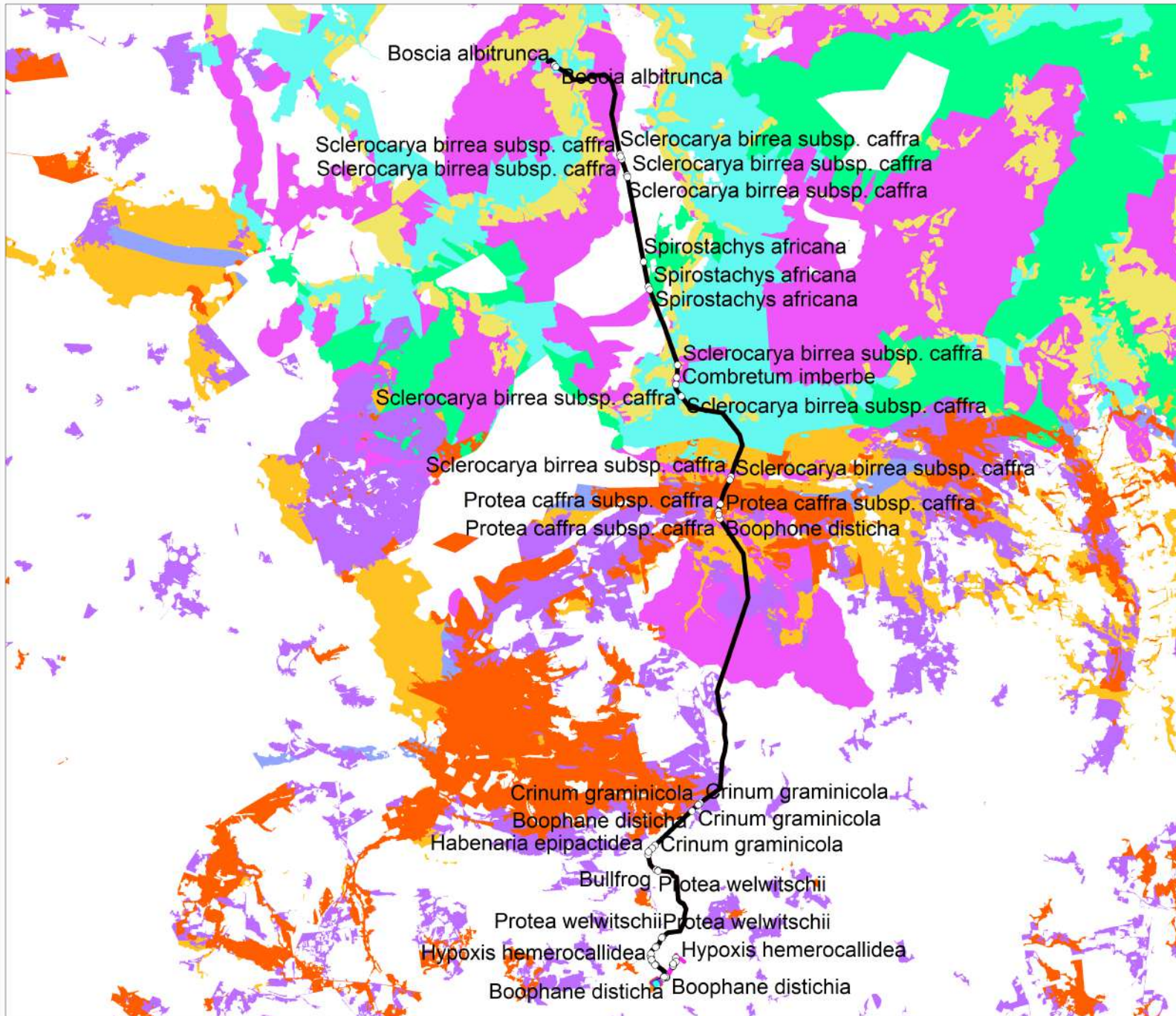
-  Proposed Powerline
-  Proposed Substation
-  Loop in Lines for Substation



Appendix 3(b): Sensitivity Maps

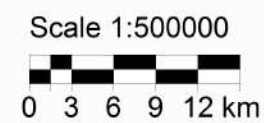


**EMKHIWENI SUBSTATION
AND 400KV LINE FROM
EMKHIWENI SUBSTATION
TO SILIMELA**
Sensitivity Map 1



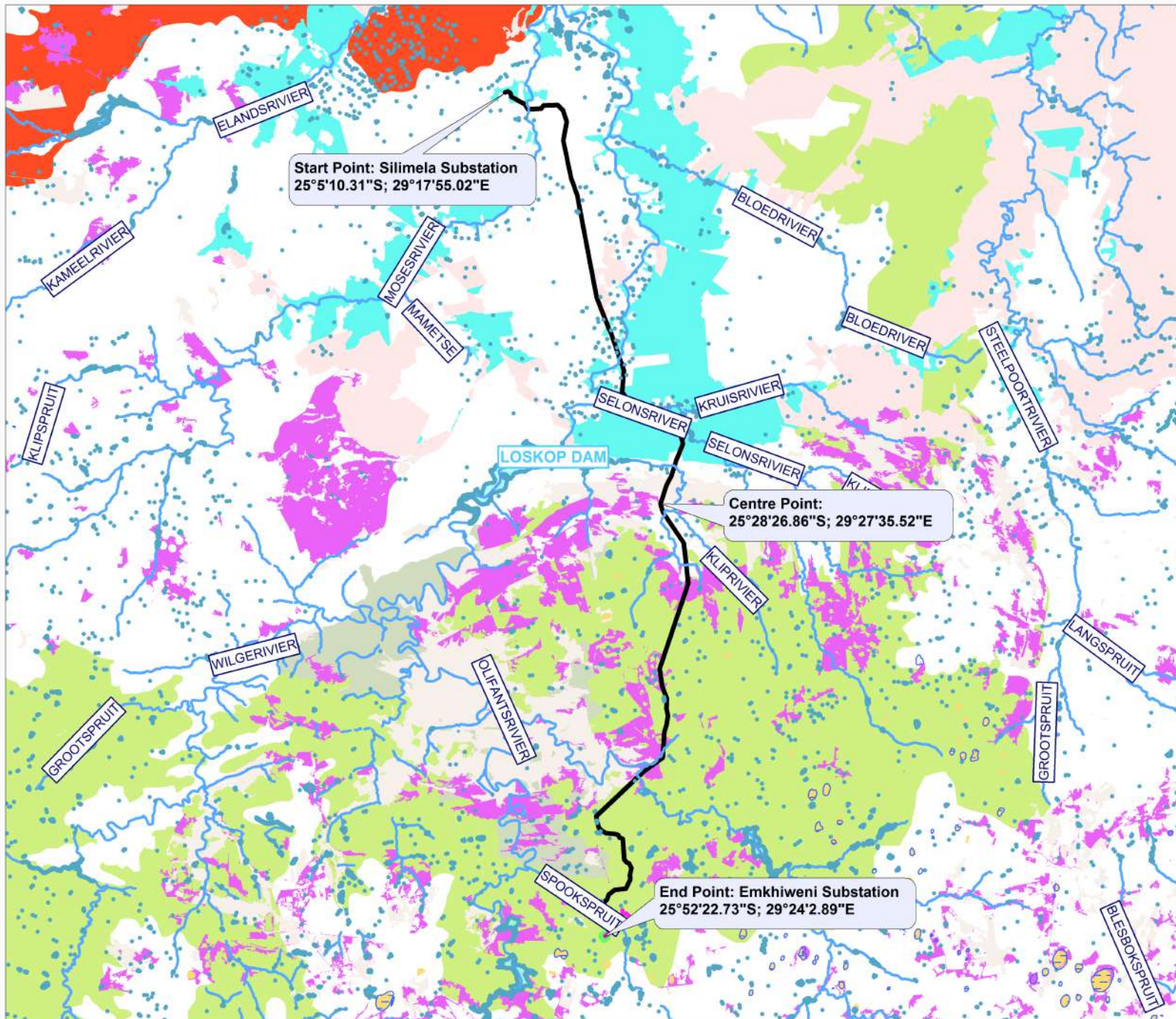
Legend

- Proposed Developments**
- 55m Servitude
 - Full Fence
 - Access Road
 - Internal Road
 - Construction Road
 - Proposed Powerline
 - Loop in Lines for Substation
 - Substation Fence
 - Emkhiweni Substation Boundary
- Limpopo C-Plan**
- Critical Biodiversity Area 1
 - Critical Biodiversity Area 2
 - Ecological Support Area 1
 - Ecological Support Area 2
- MBSP2**
- CBA Irreplaceable
 - CBA Optimal
 - ESA Landscape corridor
 - ESA Local corridor
- Species of conservation concern



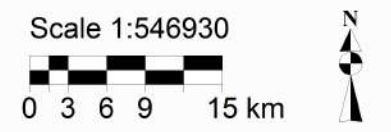


EMKHIWENI SUBSTATION AND 400KV LINE FROM EMKHIWENI SUBSTATION TO SILIMELA
Sensitivity Map 3



Legend

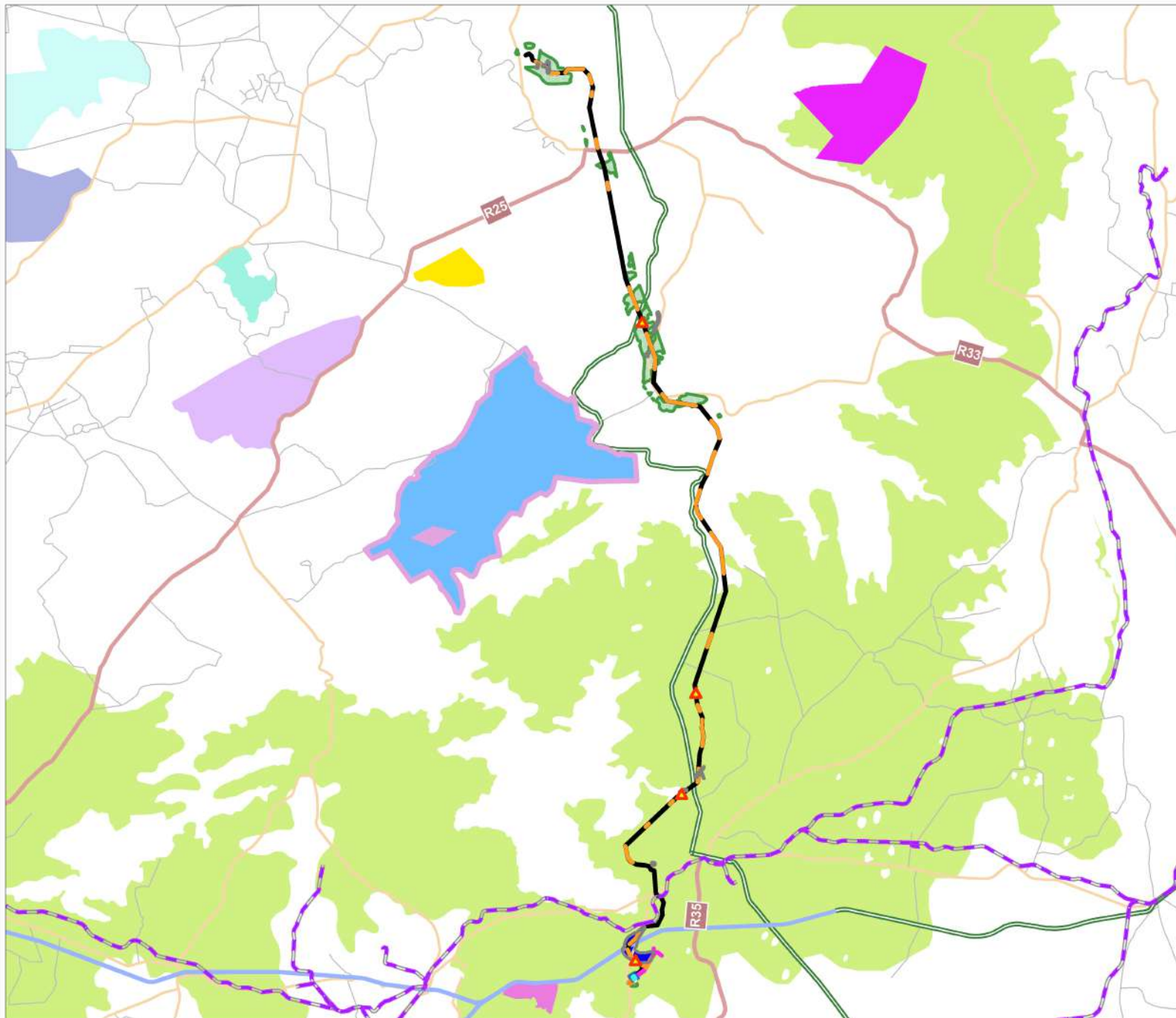
- 400kV Powerline
- Substation Boundary
- Loop in Lines for Substation
- Threatened ecosystems
- Eastern Temperate Freshwater Wetlands
- Loskop Mountainlands
- Rand Highveld Grassland
- Springbokvlakte Thornveld
- Watercourses
- Perennial center line
- Dam
- Perennial pan
- CBAs
- CBA Optimal
- CBA Irreplaceable
- Critical Biodiversity Area 2
- Critical Biodiversity Area 1





EMKHIWENI SUBSTATION AND 400KV LINE FROM EMKHIWENI SUBSTATION TO SILIMELA

Sensitivity Map 2



Legend	
Highways	Proposed Developments
tertiary_link	55m Servitude
secondary_link	Full Fence
tertiary	Access Road
secondary	Internal Road
primary	Construction Road
trunk	Proposed Powerline
motorway	Loop in Lines for Substation
IBA	Substation Fence
Loskop Dam Nature Reserve	Emkhiweni Substation Boundary
Threatened ecosystems	Heritage Resources
Rand Highveld Grassland	Potsherd Material
Protected Areas	Railways
Kwagqavvoetpad Nature Reserve	rail
Loskop Dam Nature Reserve	Avifauna Sensitivities
Mabusa Nature Reserve	Collision risk sections
Mdala Nature Reserve	Delineated Wetlands
Mkombo Nature Reserve	Delineated Wetlands (imported KML) Wetland 32m Buffer
Moutse	32m Wetland Buffer
SS Skosana Nature Reserve	
Withbank Nature Reserve	
Agricultural Sensitivities	
Powerline Irrigation	

