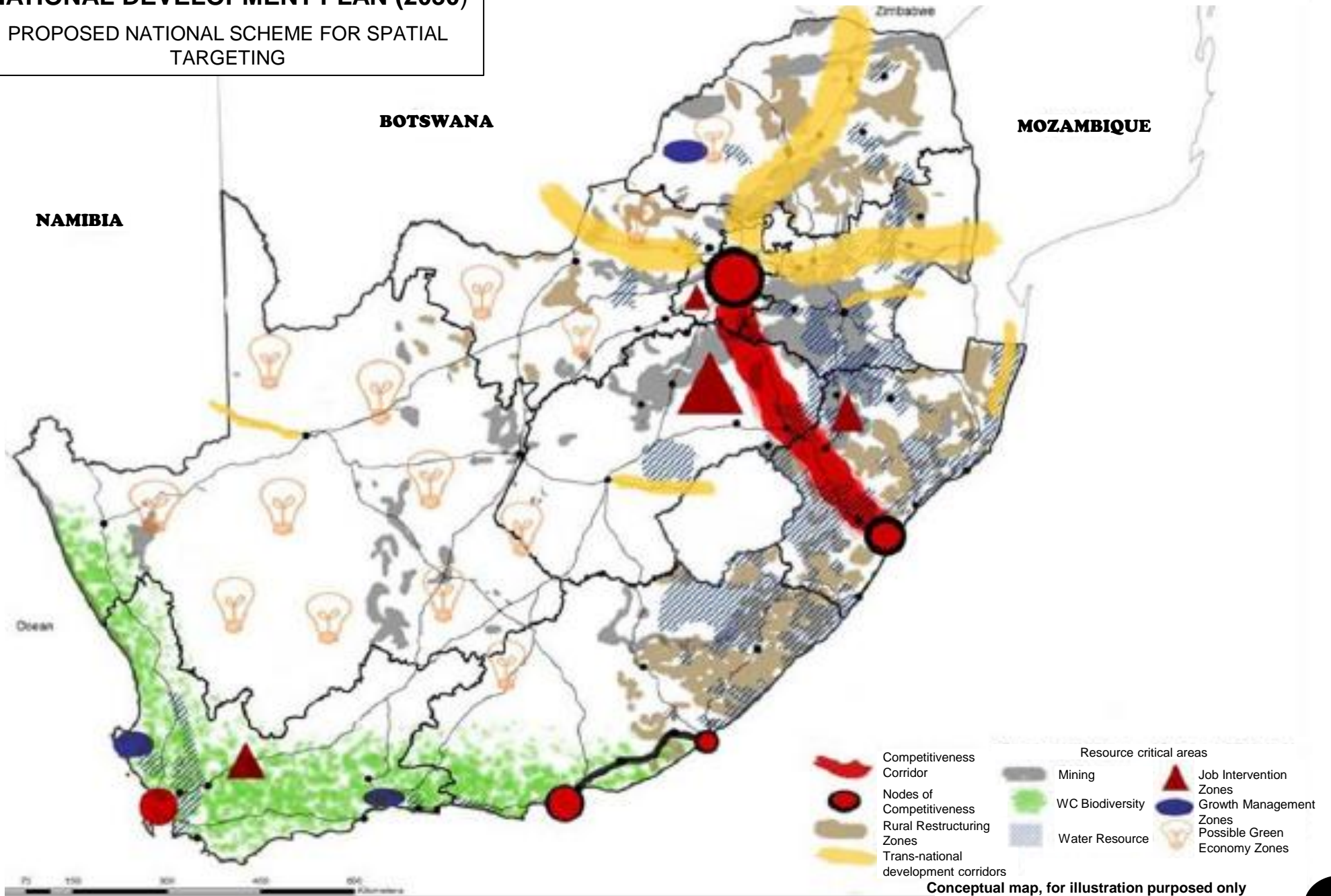



# NATIONAL DEVELOPMENT PLAN (2030)

## PROPOSED NATIONAL SCHEME FOR SPATIAL TARGETING



Conceptual map, for illustration purposes only

# RIDS – Core Regions & Spatial Economic Linkages

 Three main metropolitan areas & functional hinterlands

Diversified mining regions	
1	Rustenburg
2	Potchefstroom-Klerksdorp
3	Witbank-Middelburg-Secunda

Export corridor and port regions likely to benefit from IDZ initiatives	
4	Nelspruit-Baberton
5	Empangeni-Richards Bay
6	East London
7	Nelson Mandela- Coega
8	Vredenburg-Saldanha

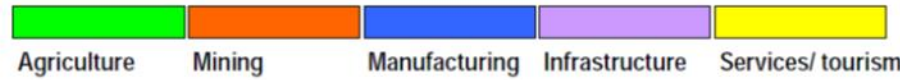
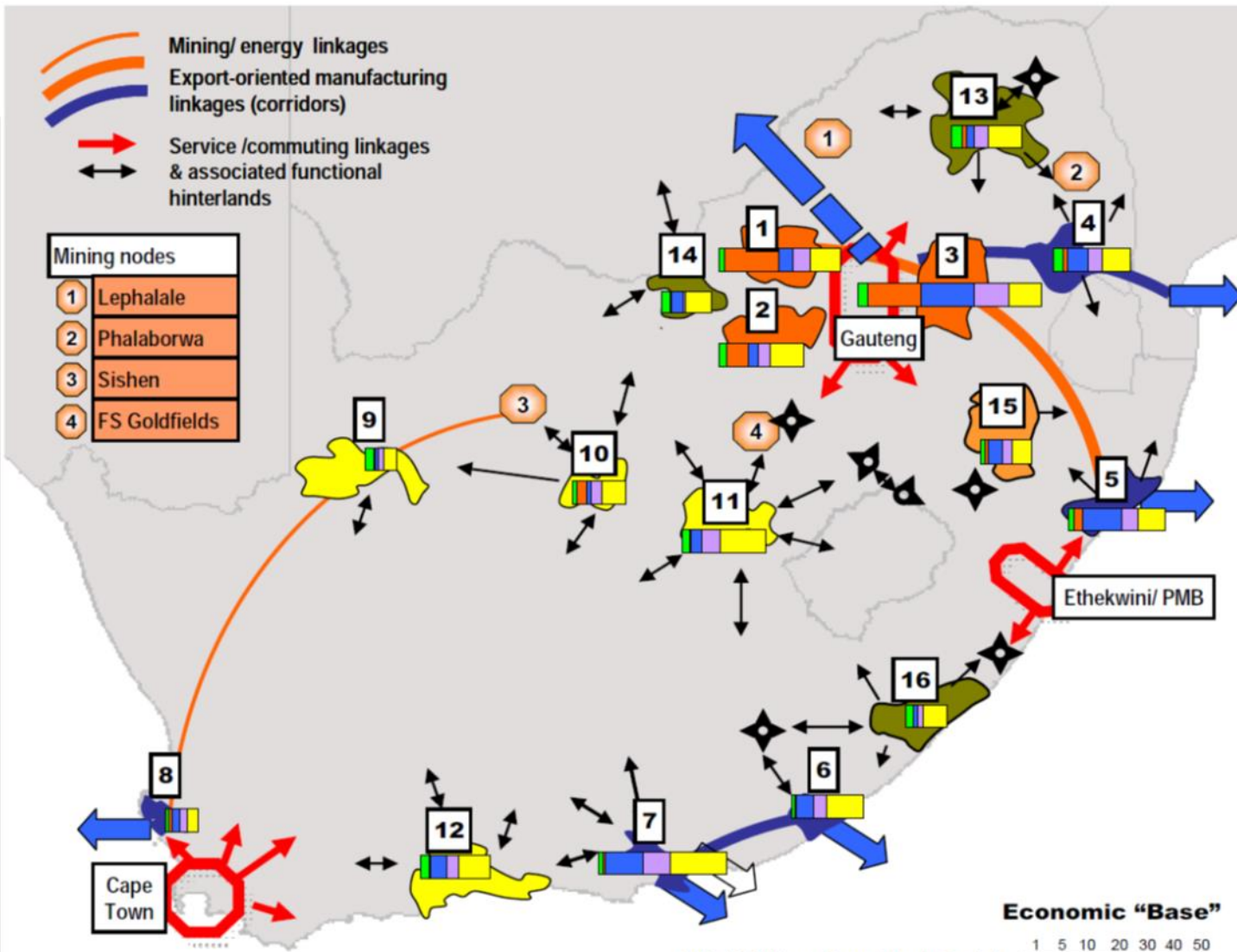
Major Trade/Tourism/Agriculture/ Public Service (TTAPS) regions with highly populated hinterlands	
9	Polokwane-Tzaneen
10	Mmbatho-Lichtenburg
11	Newcastle (+ Mining & Manuf.)
12	Umtata- Port St Johns

Major Trade/Tourism/Agriculture/ Public Service (TTAPS) regions with sparsely populated hinterlands	
9	Upington
10	Kimberley
11	Bloemfontein
12	Oudtshoorn-Garden Route

 Other TTAPS nodes with significant populations: Thohoyandou, Kroonstad, Bethlehem-Phuthadithaba, Ladysmith, Port Shepstone & Queenstown



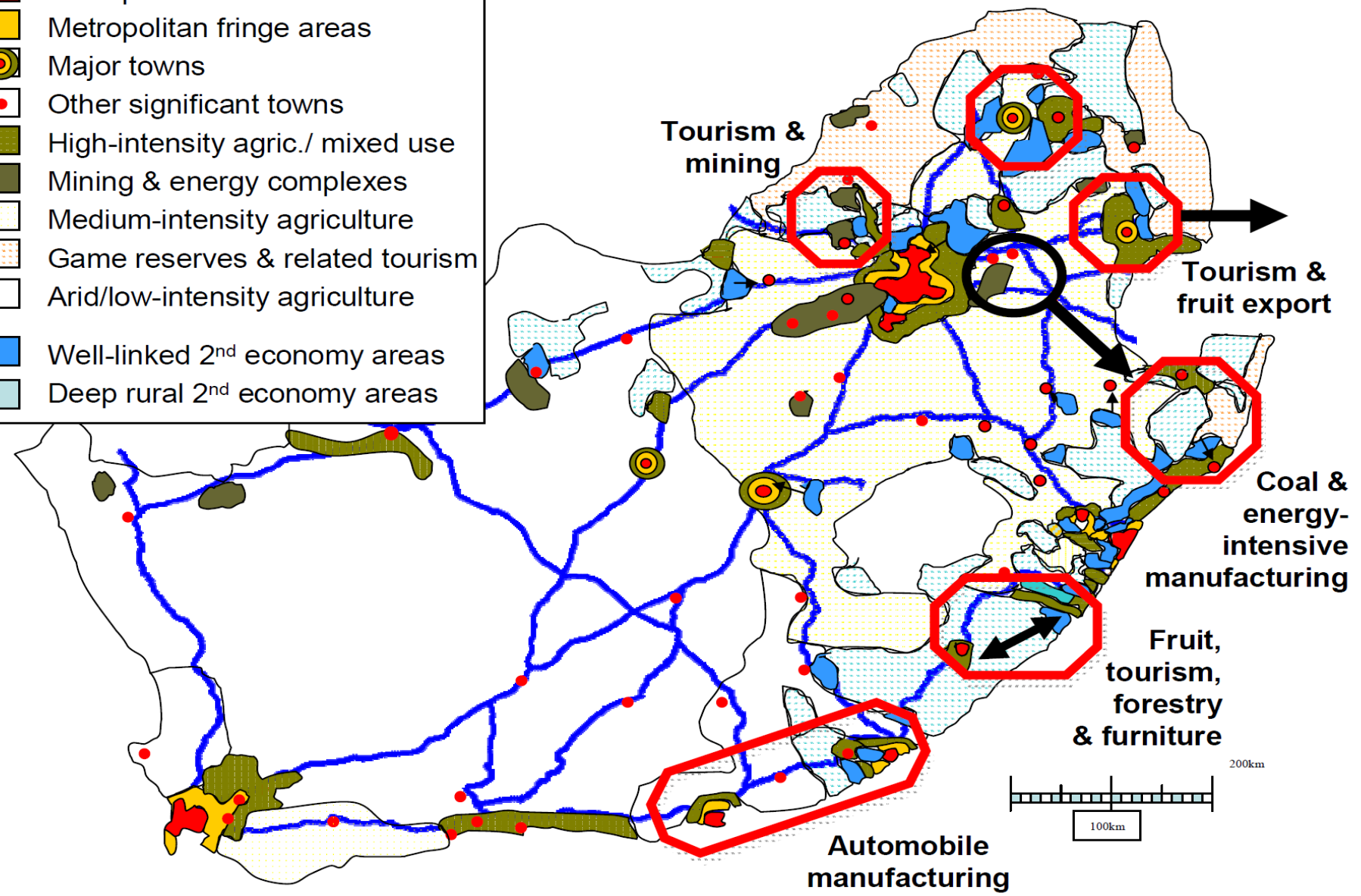
Mining nodes	
1	Lephalale
2	Phalaborwa
3	Sishen
4	FS Goldfields



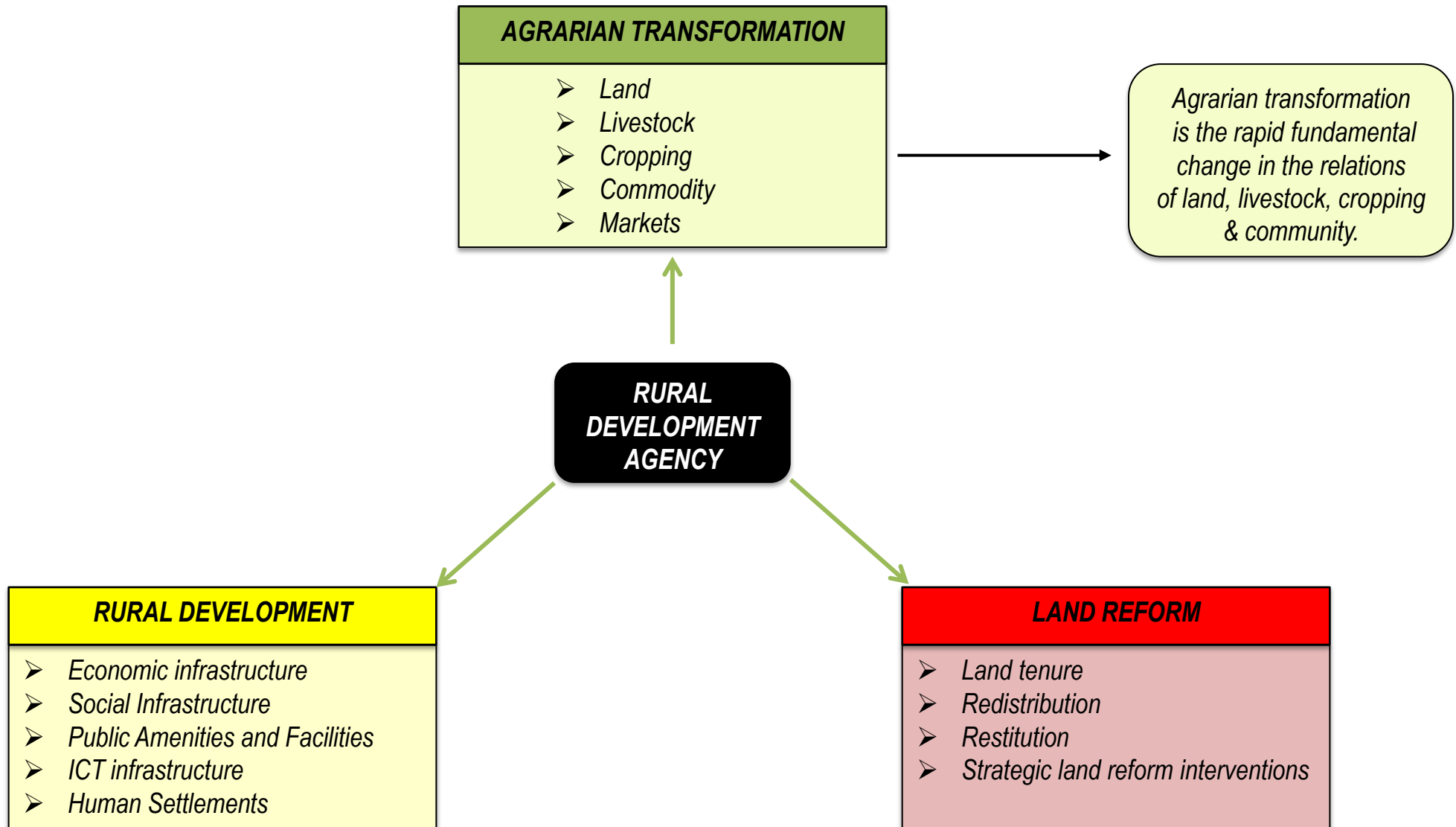
 Exports

# RIDS – Sector-Specific Districts with Significant Inherent Potential

- Metropolitan cores
- Metropolitan fringe areas
- Major towns
- Other significant towns
- High-intensity agric./ mixed use
- Mining & energy complexes
- Medium-intensity agriculture
- Game reserves & related tourism
- Arid/low-intensity agriculture
- Well-linked 2<sup>nd</sup> economy areas
- Deep rural 2<sup>nd</sup> economy areas



# CRDP CONCEPT



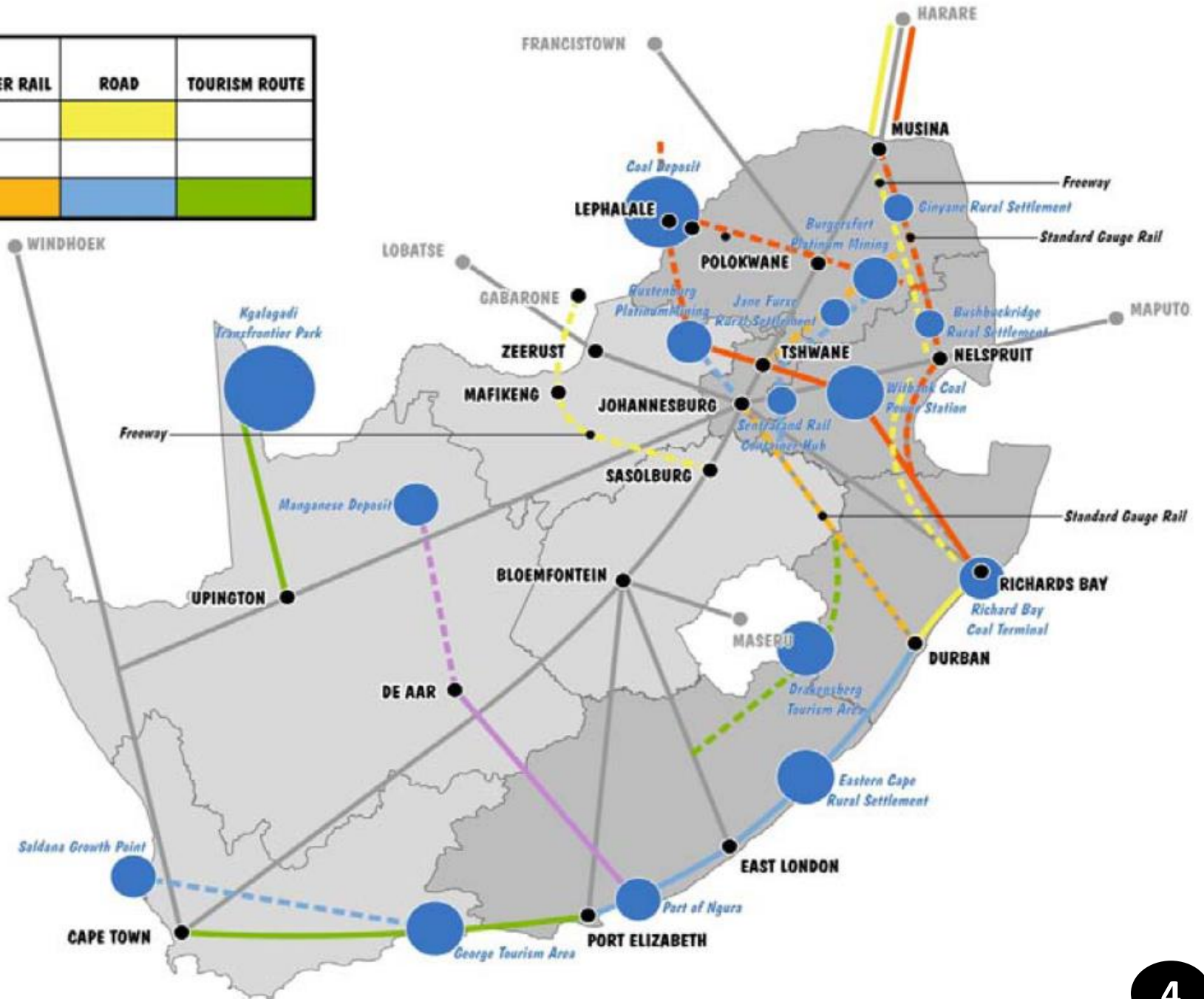
**STRATEGIC OBJECTIVE: SOCIAL COHESION AND DEVELOPMENT**

# Main Existing and New Emerging Corridors

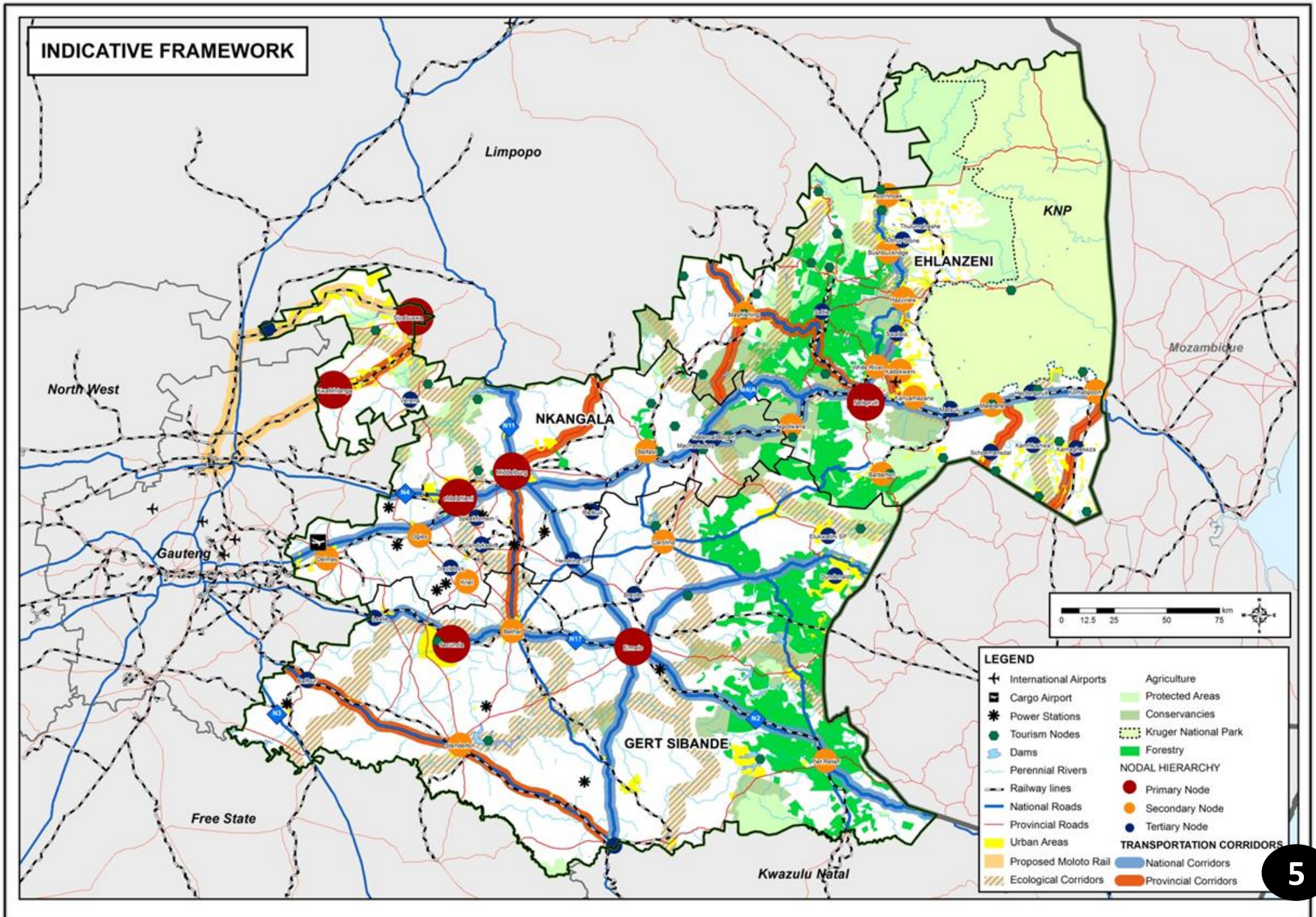
## LEGEND

	FREIGHT RAIL	PASSENGER RAIL	ROAD	TOURISM ROUTE
INTERNATIONAL				
NATIONAL				
PROVINCIAL				

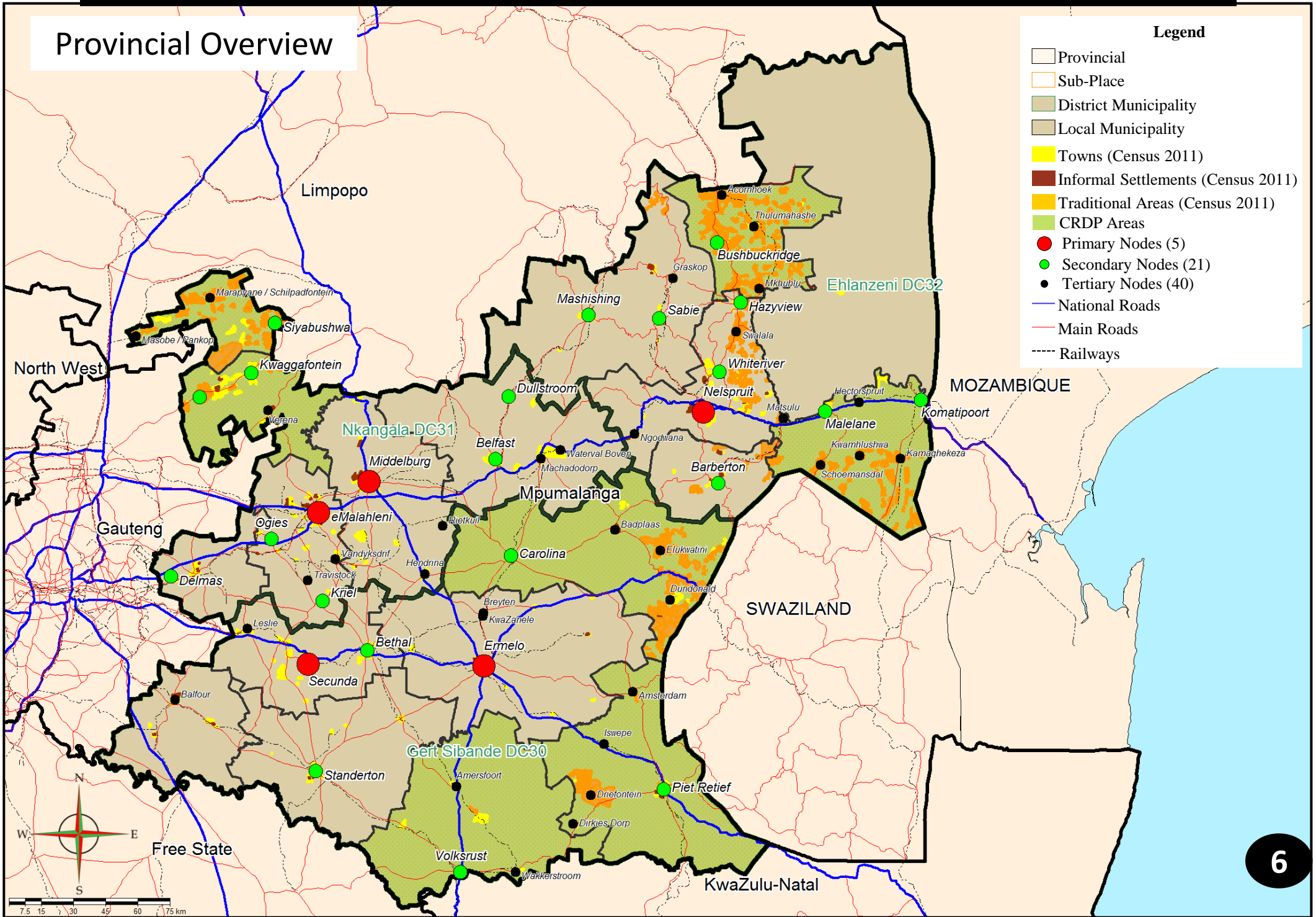
- 75% OF POPULATION
- EXISTING CORRIDOR
- LAND USE CENTROID
- ROUTE DEVELOPMENT
- INFRASTRUCTURE EXPANSION



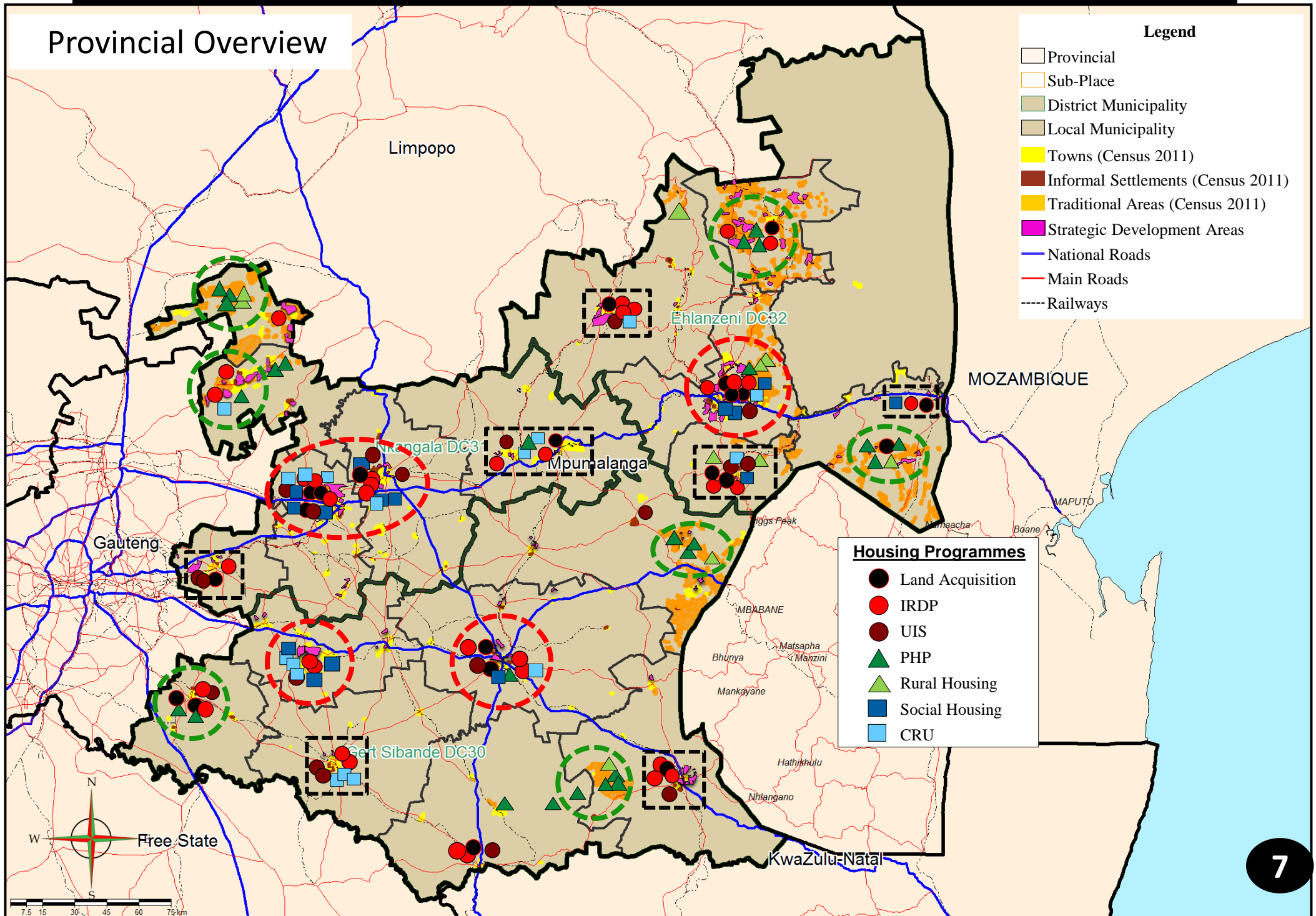
# Mpumalanga Provincial – SDF



# Mpumalanga Provincial – Human Settlement Priority Nodal Areas



# Mpumalanga Provincial – Housing Programme Consolidated

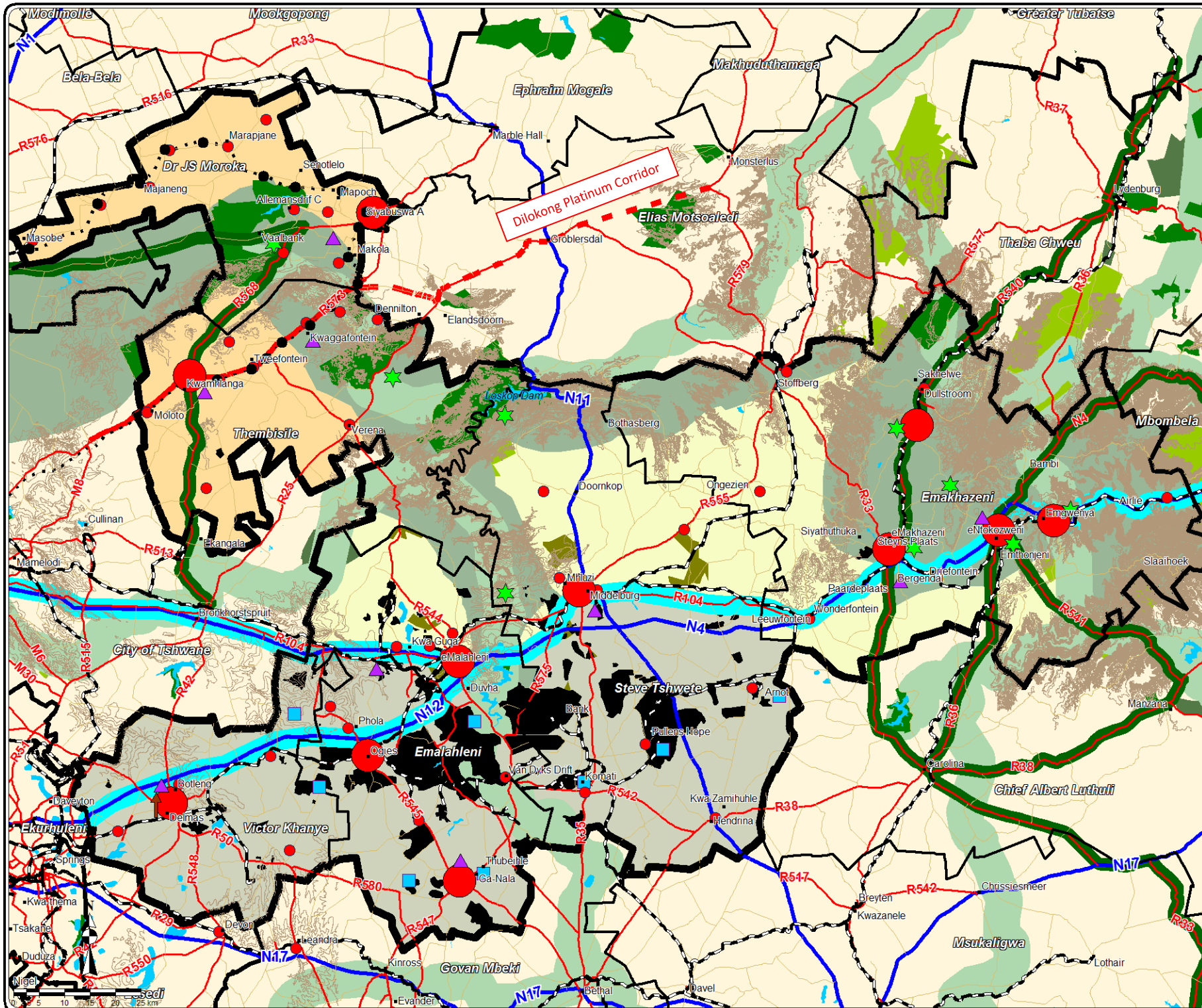






# NKANGALA DISTRICT MUNICIPALITY



## Spatial Development Framework

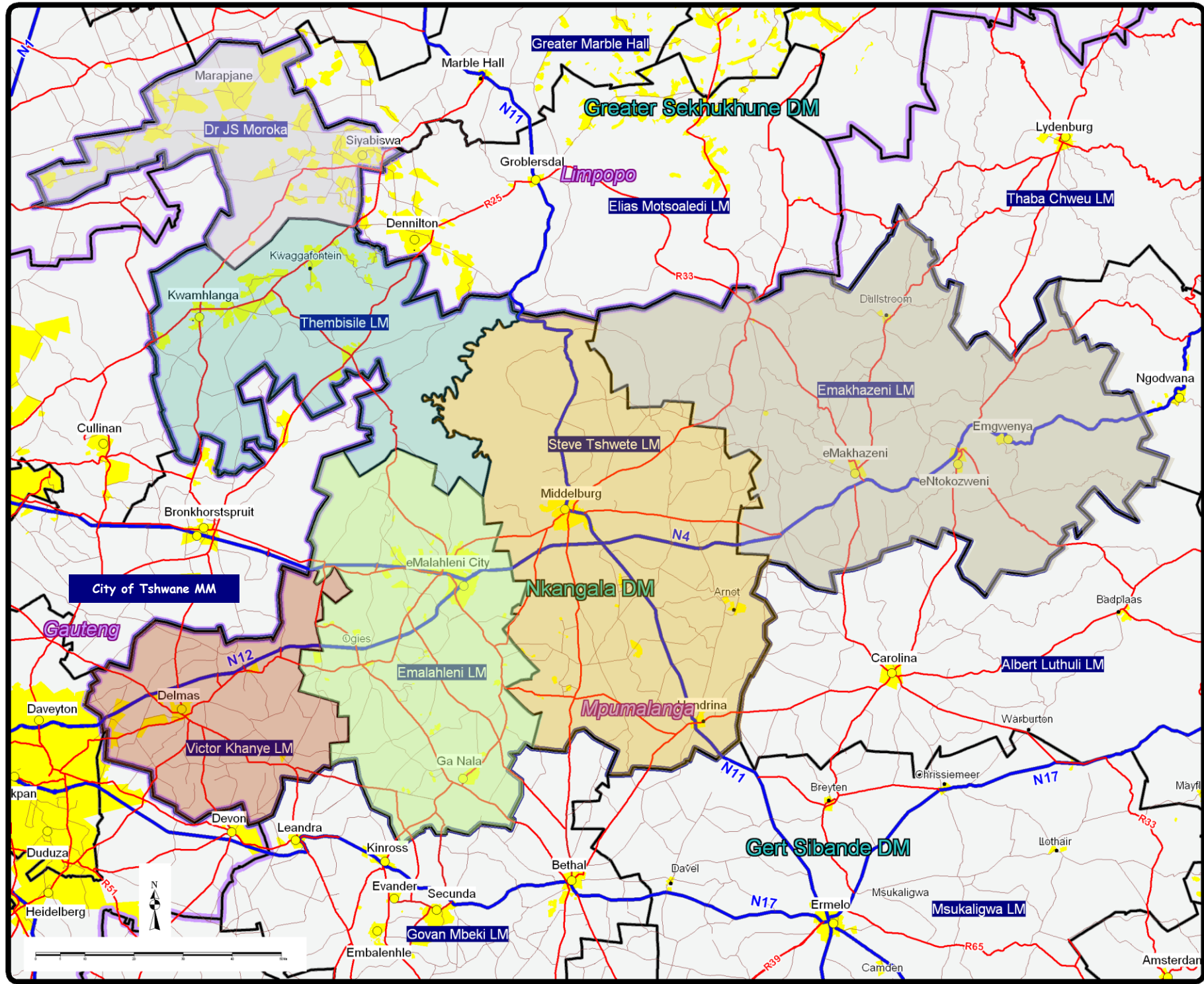


- 1<sup>st</sup> – 2<sup>nd</sup> – 3<sup>rd</sup> Order Centre
- Rural Nodes
- Mining
- Mining and Agriculture
- Small Scale Farming and CRDP
- Ecological Corridors
- Extensive Agriculture
- Eco / Agri Tourism
- Forestry
- ★ Tourism Anchors
- Tourism Corridors
- Major Development Corridors
- N4 Maputo Corridor
- National Roads
- Main Roads
- Secondary Roads
- Railways
- - Proposed Moloto Railway
- Proposed Moloto Stations
- ↑ Proposed Nkangala International Airport
- ▲ Industrial Nodes
- Power Stations

# NKANGALA DISTRICT MUNICIPALITY

## REGIONAL CONTEXT

-  Provincial Boundary
-  Nkangala District Municipality
-  Towns and Settlements
- Nkangala Local Municipalities
-  Dr J.S. Moroka
-  Thembisile
-  Victor Khanye
-  Emalahleni
-  Steve Tshwete
-  Emakhazeni
-  National Roads
-  Main Roads
-  Secondary Roads
-  Main Towns



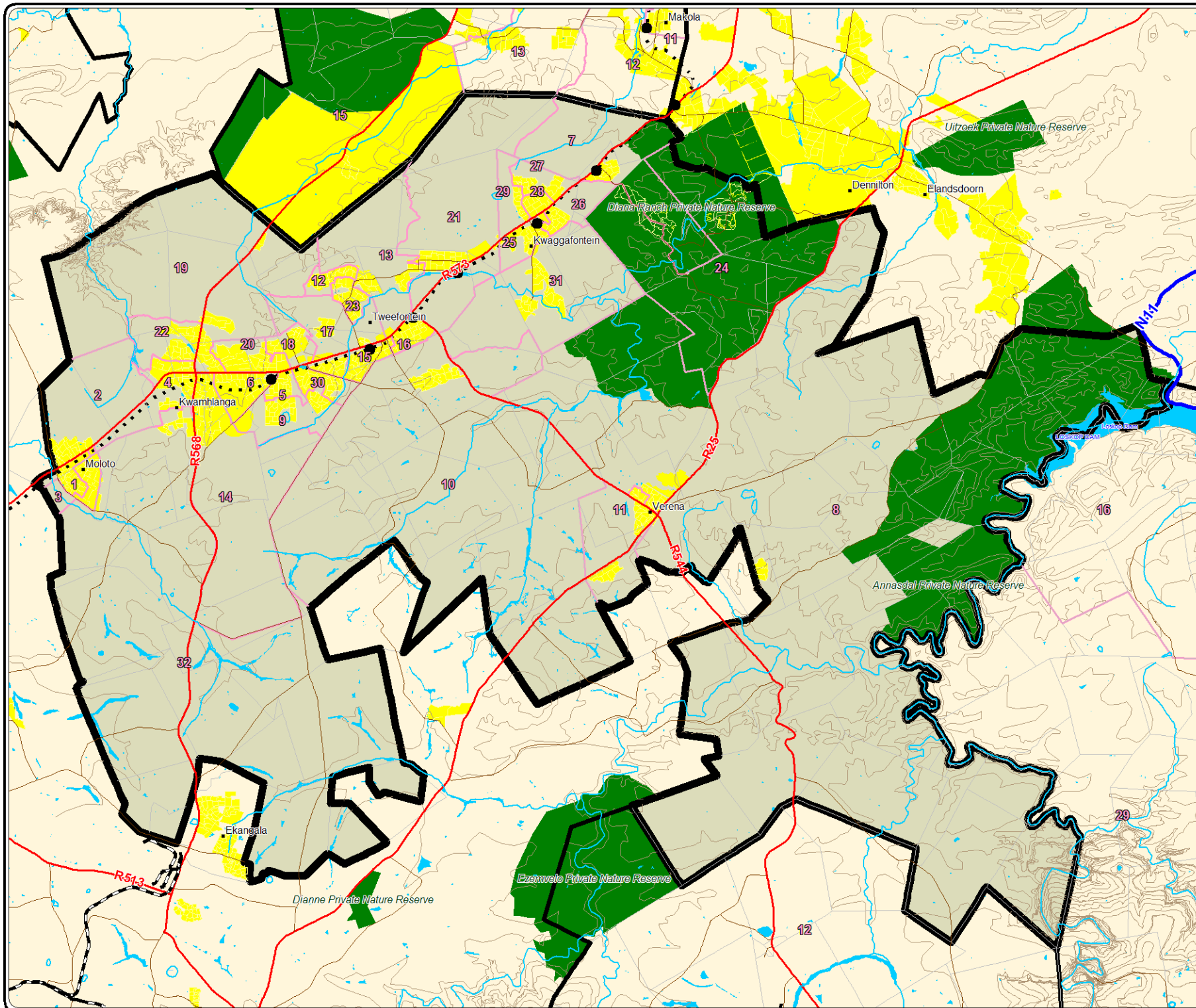


# THEMBISILE HANI LOCAL MUNICIPALITY

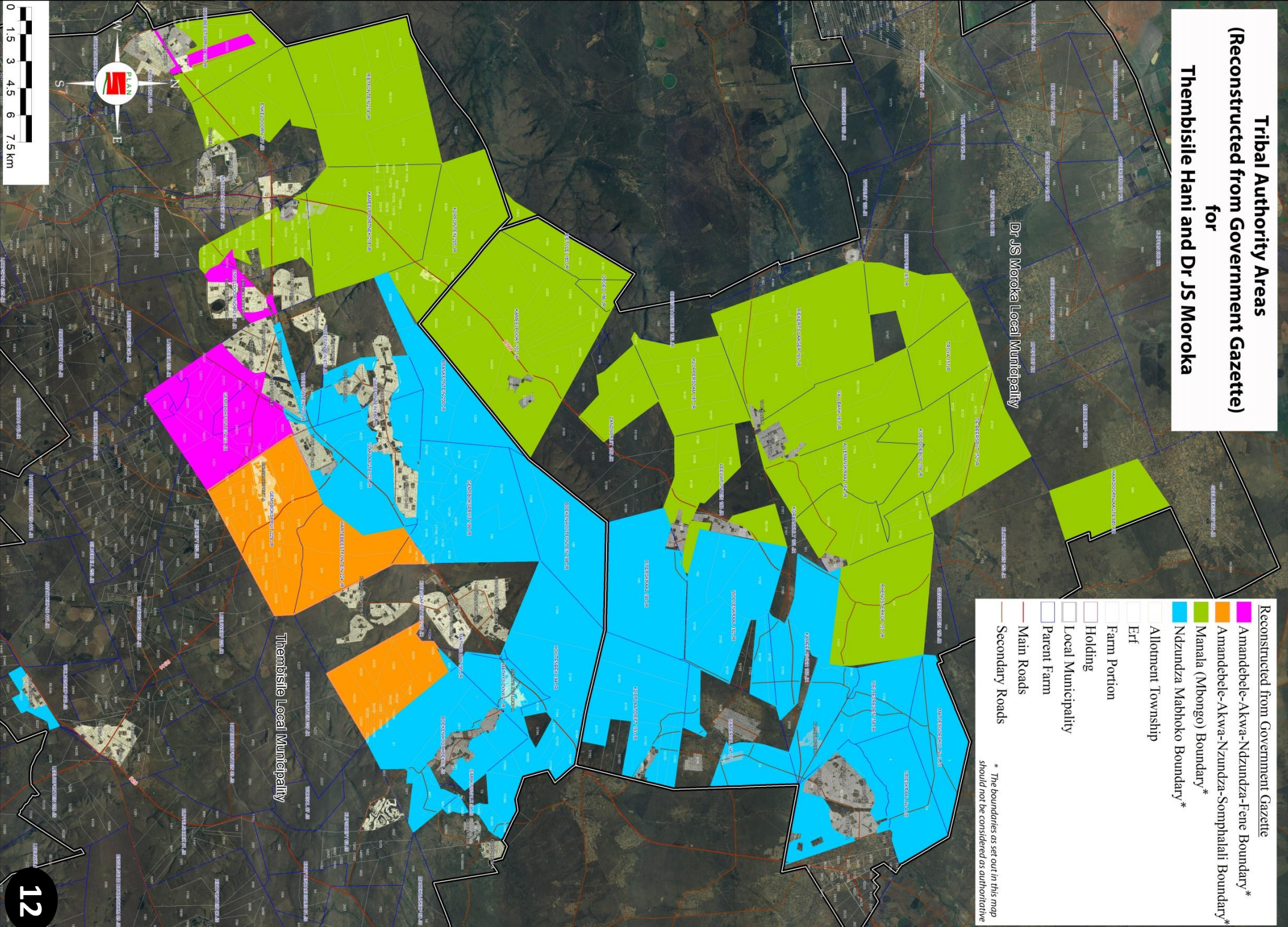
## Spatial Structure

### Legend

- Nature Reserves
- Wards 2011
- Towns and Settlements
- Mountains and Ridges
- Dams and Rivers
- National Roads
- Main Roads
- Secondary Roads
- Railways
- Proposed Moloto Railway
- Proposed Moloto Stations



**Tribal Authority Areas  
(Reconstructed from Government Gazette)  
for  
Thembsile Hani and Dr JS Moroka**

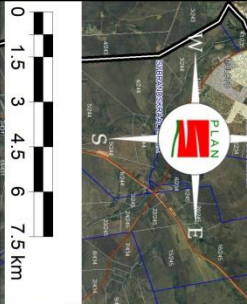


**Reconstructed from Government Gazette**

- Amandebele-Akwa-Ndzundza-Fene Boundary\*
- Amandebele-Akwa-Nzundza-Somphalali Boundary\*
- Manala (Mbongo) Boundary\*
- Ndzundza Mabhoko Boundary\*

- Allotment Township
- Erf
- Farm Portion
- Holding
- Local Municipality
- Parent Farm
- Main Roads
- Secondary Roads

\* The boundaries as set out in this map should not be considered as authoritative



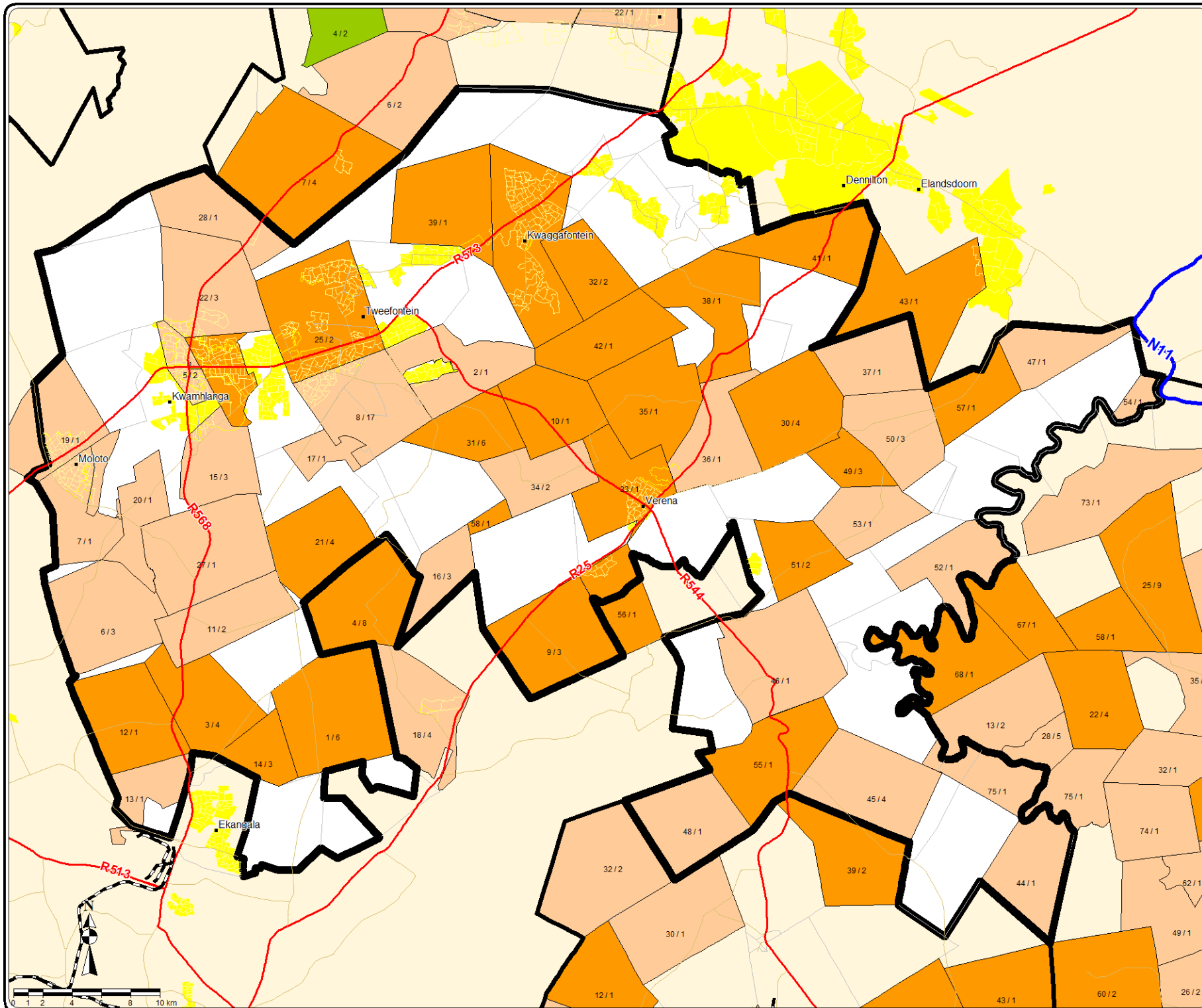


# THEMBISILE HANI LOCAL MUNICIPALITY

## Land Restitution Progress

### Legend

- P1: Lodgment & Registration
- P5 Settlement
- P6 Implementation
- Dismissed
- Land Claims
- National Roads
- Main Roads
- Secondary Roads
- Railways





# NKANGALA DISTRICT MUNICIPALITY

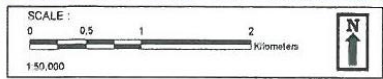
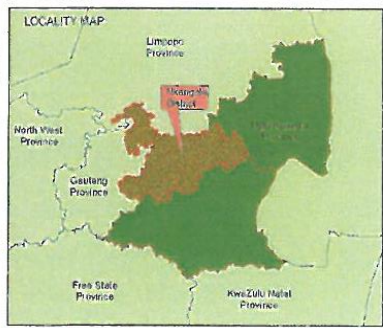
## LAND TENURE UPGRADE STRATEGY

**POTENTIAL LAND TENURE AREAS:**  
 Thembisile Hani Local Municipality  
 Sakhile, Twefontein, Muzimuhle,  
 Buhlebesizwe, Vlakraagte,  
 Enkeldoornog

- Erf
- Potential Land Tenure Areas
- Provincial Boundaries
- Nkangala District Municipality
- Local Municipality Boundary
- Farm Portions

- Land Ownership:**
- Municipal Land
  - No Data
  - Privately owned land
  - State Land

Settlement Name	Total Area (ha)	Structure Count
Enkeldoornog	120.23	826
Sakhile	19.37	128
Twefontein	33.16	546
Vlakraagte	19.03	125
Buhlebesizwe	13.26	88
Muzimuhle	12.3	74



DATE : September 2011

MAP REFERENCE/ VERSION NUMBER : Version 1

COORDINATE SYSTEM : Municipal WGS84 (Lo31)

PREPARED BY:

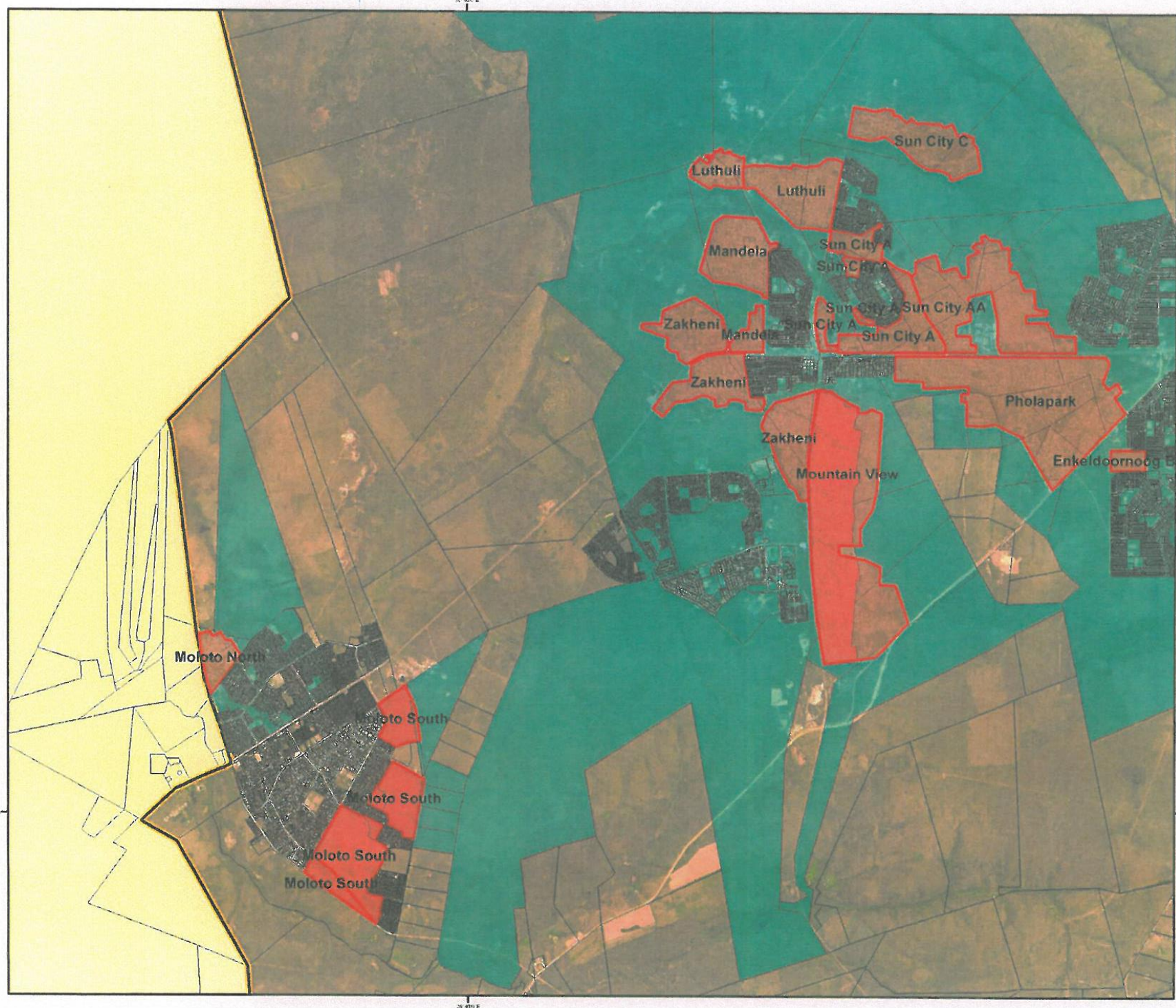
Townscape Planning Solutions  
 Inzindlu Village, Office no. 8  
 2 Cello Street, Einvalhelen, 1025

Tel: 013 - 856 0554  
 Fax: 013 - 856 3321  
 E-mail: admin@townscapeplanning.co.za  
 Visit: www.townscapeplanning.co.za

# NKANGALA DISTRICT MUNICIPALITY

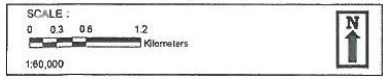
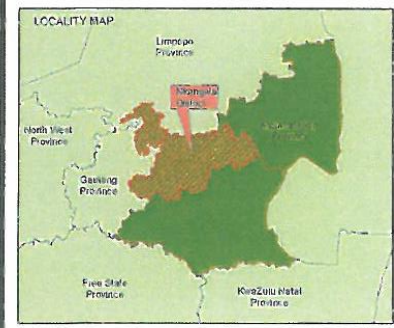
## LAND TENURE UPGRADE STRATEGY

**POTENTIAL LAND TENURE AREAS:**  
 Thembisile Hani Local Municipality  
 Moloto, Mountainview, Zakheni,  
 Pholapark, Sun City, Luthuli,  
 Mandela



- Erf
- Potential Land Tenure Areas
- Provincial Boundaries
- Nkangala District Municipality
- Local Municipality Boundary
- Farm Portions
- Land Ownership:**
- Municipal Land
- No Data
- Privately owned land
- State Land

Settlement Name	Total Area (ha)	Structure Count
Moloto	278.86	1361
Mountainview	434.21	2641
Zakheni	175.55	1230
Pholapark	385.95	2700
Luthuli	154.91	974
Sun City	458.29	2438
Mandela	208.08	1348



DATE: September 2011

MAP REFERENCE/VERSION NUMBER: Version 1

COORDINATE SYSTEM: Municipal WGS84 (Lo31)

PREPARED BY:

Townscape Planning Solutions  
 Inyanga Village, Office no. 8  
 2 Cella Street, Emalahleni, 1035

Tel: 013 - 658 0554  
 Fax: 013 - 658 3321  
 E-mail: [admin@townscapeplanning.co.za](mailto:admin@townscapeplanning.co.za)  
 Visit: [www.townscapeplanning.co.za](http://www.townscapeplanning.co.za)



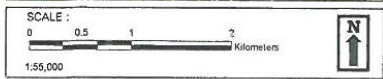
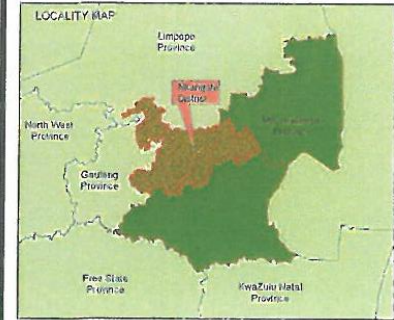
# NKANGALA DISTRICT MUNICIPALITY

## LAND TENURE UPGRADE STRATEGY

**POTENTIAL LAND TENURE AREAS:**  
 Thembisile Hani Local Municipality  
 Kwaggafontein, Boekenhouhoek,  
 Bundu

- Erf
- Potential Land Tenure Areas
- Provincial Boundaries
- Nkangala District Municipality
- Local Municipality Boundary
- Farm Portions
- Land Ownership:**
- Municipal Land
- No Data
- Privately owned land
- State Land

Settlement Name	Total Area (ha)	Structure Count
Kwaggafontein	19.7	123
Boekenhouhoek	58.43	335
Bundu	150.21	691



DATE: August 2011

MAP REFERENCE/ VERSION NUMBER: Version 1

COORDINATE SYSTEM: Municipal WGS84 (Lo31)

**PREPARED BY:**

Townscape Planning Solutions  
 Inzindlu Village, Office no. 8  
 2 Cella Street, Emalahleni, 1032

Tel: 013 - 656 0754  
 Fax: 013 - 656 3321  
 E-mail: admin@townscapeplanning.co.za  
 Visit: www.townscapeplanning.co.za



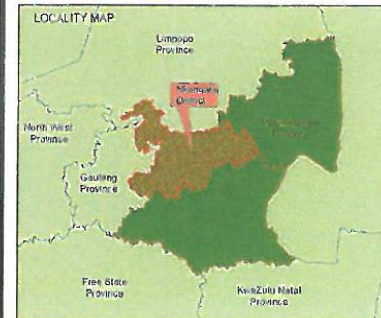
# NKANGALA DISTRICT MUNICIPALITY

## LAND TENURE UPGRADE STRATEGY

**POTENTIAL LAND TENURE AREAS:**  
Thembisile Hani Local Municipality  
Verena B and D

- Erf
- Potential Land Tenure Areas
- Provincial Boundaries
- Nkangala District Municipality
- Local Municipality Boundary
- Farm Portions
- Land Ownership:**
- Municipal Land
- No Data
- Privately owned land
- State Land

Settlement Name	Total Area (ha)	Structure Count
Verena B	51.71	256
Verena D	180.33	809



DATE August 2011

MAP REFERENCE/ VERSION NUMBER Version 1

COORDINATE SYSTEM Municipal WGS84 (Lo31)

PREPARED BY:

Townscape Planning Solutions  
Inzindu Village, Office no. 8  
2 Celia Street, Ermathleni, 1035  
Tel: 013 - 856 0554  
Fax: 013 - 856 3321  
E-mail: admin@townscapeplanning.co.za  
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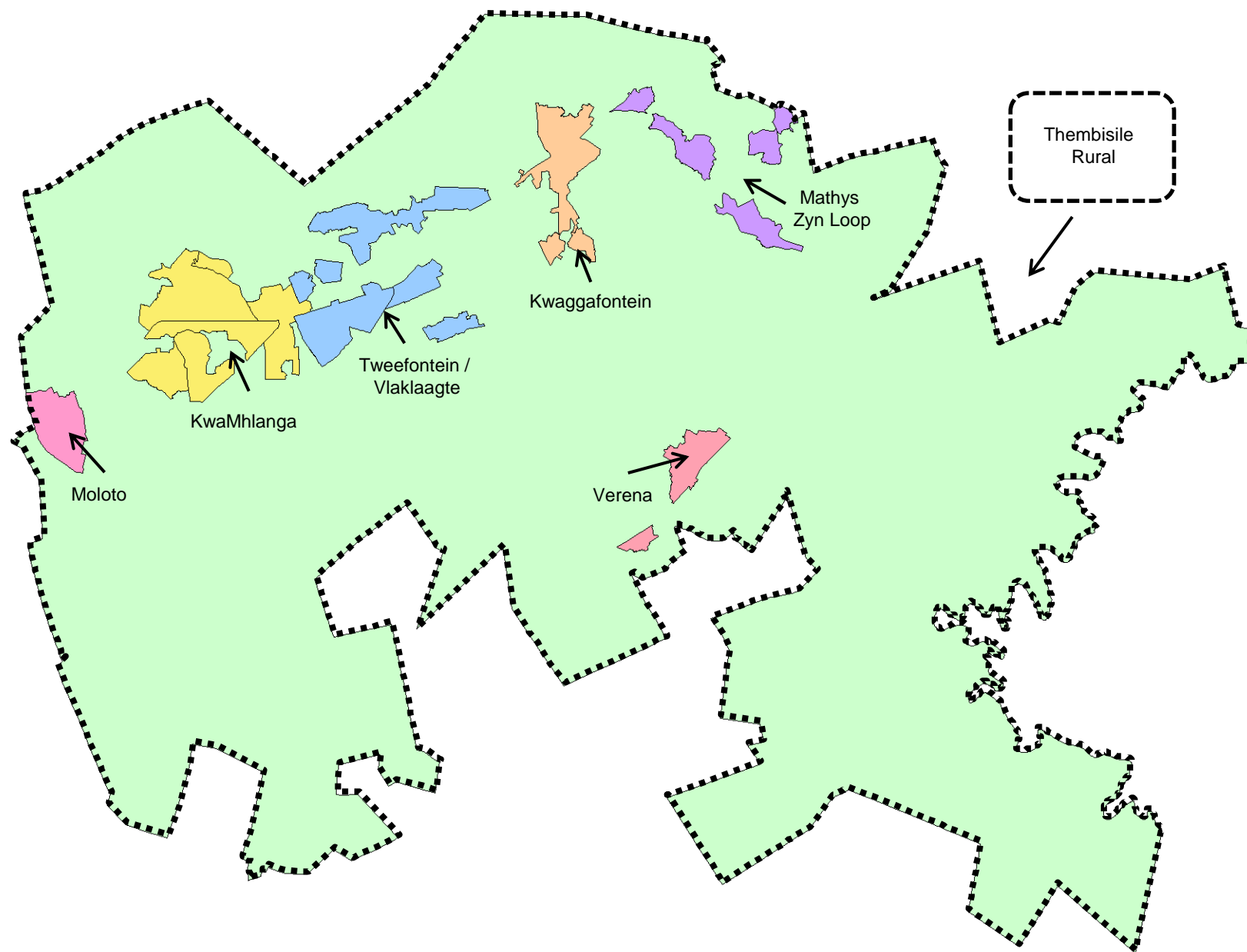


## THEMBISILE HANI LOCAL MUNICIPALITY

Functional  
Areas

### Legend

- Thembisile Rural
- Mathys Zyn Loop
- Kwaggafontein
- Tweefontein
- Kwamhlanga
- Moloto
- Verena





# THEMBISILE HANI LOCAL MUNICIPALITY

## Geology and Mineral Potential

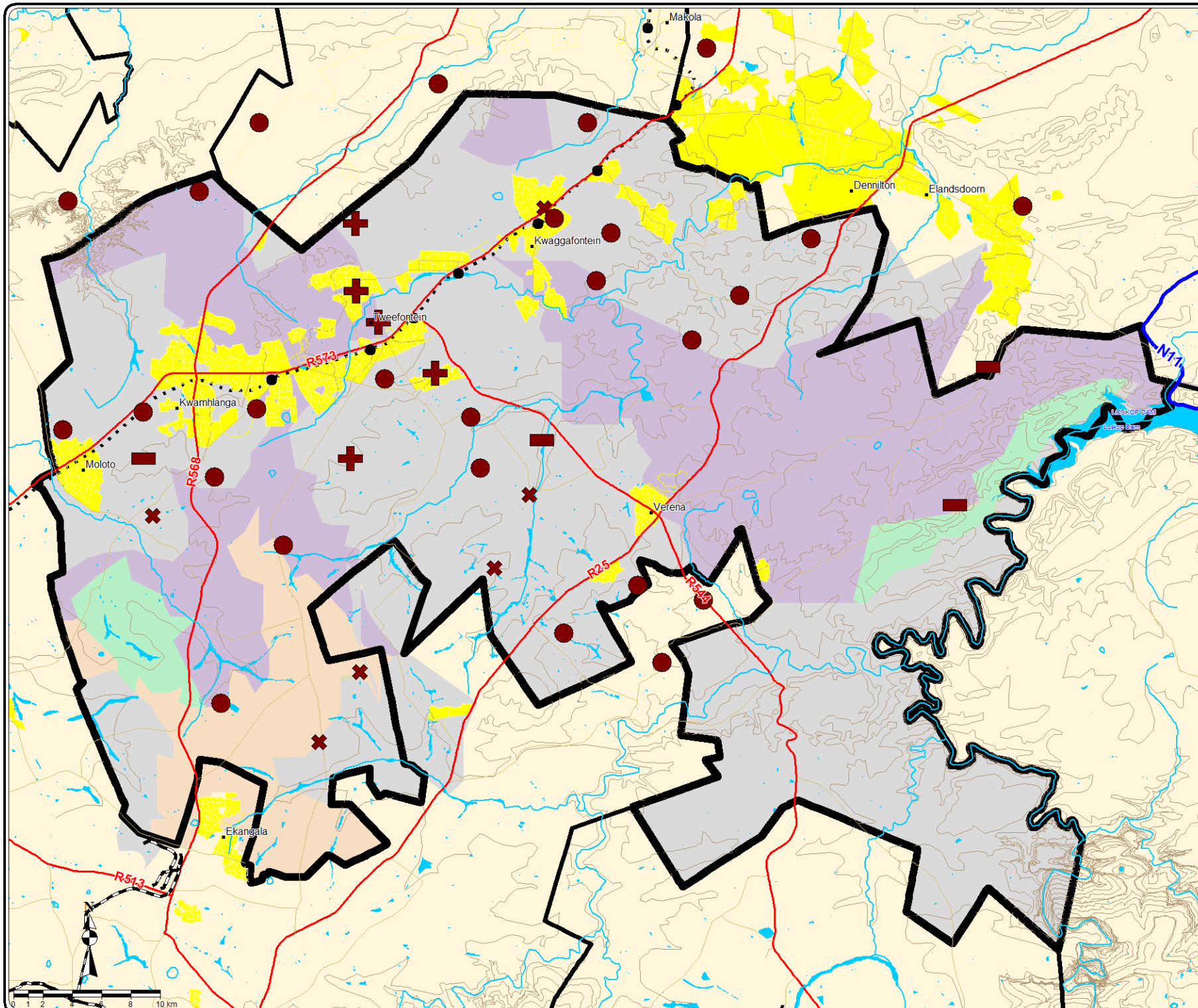
### Legend

#### Geology

- Rooiberg + Pretoria Group
- Waterberg Group
- Karoo Sequence
- Loskop Formation

#### Mineral Potential

- Flint CL
- ✚ Gold Au
- ▲ Iron Fe
- Lead, Zinc, Vanadium PB, Zn, V
- Various Minerals



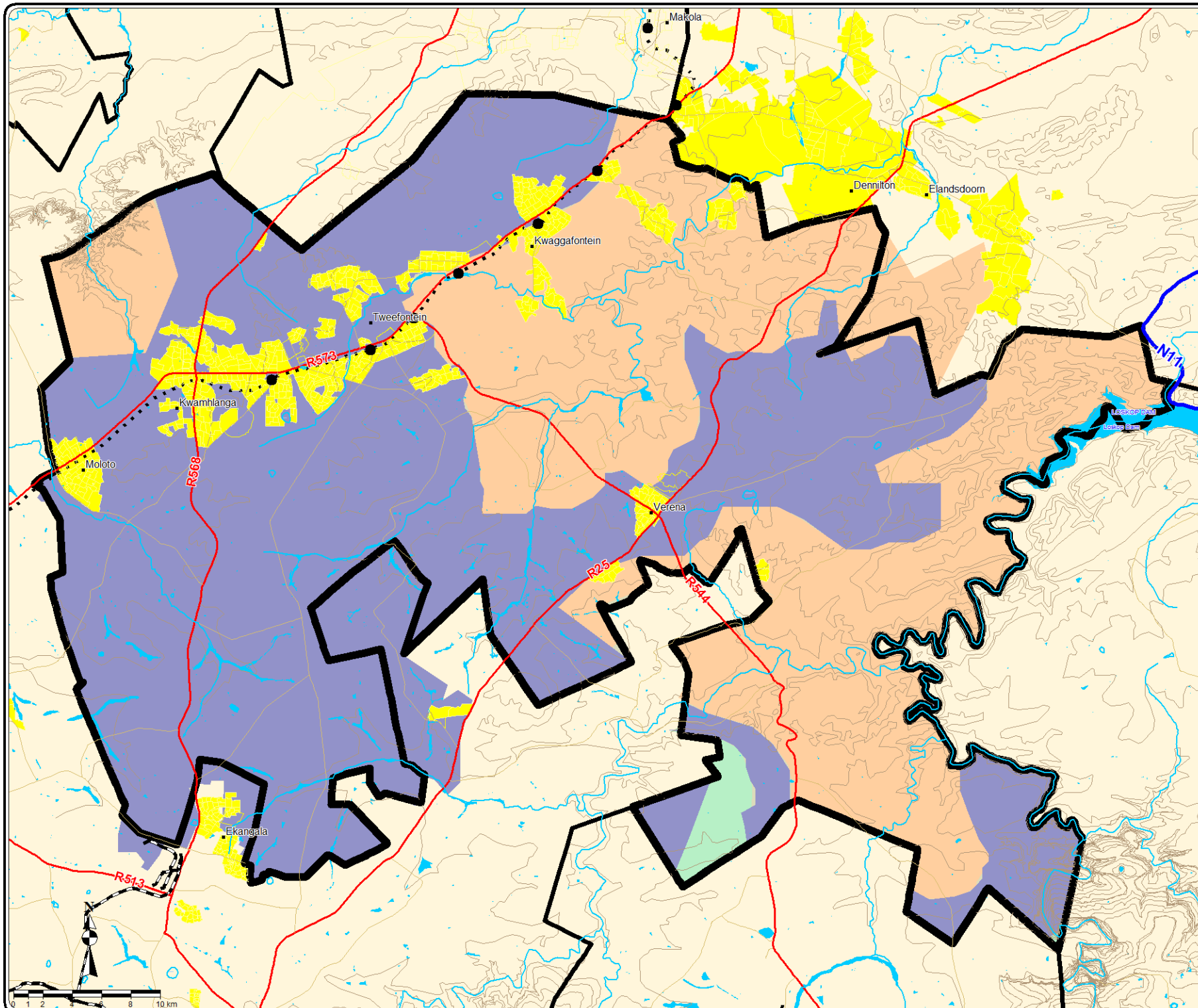


# THEMBISILE HANI LOCAL MUNICIPALITY

## Vegetation

### Legend

- Bankenveld
- Mixed Bushveld
- Sourish Mixed Bushveld
- Mountains and Ridges
- Dams and Rivers
- National Roads
- Main Roads
- Secondary Roads
- Railways
- Bus Routes
- Proposed Moloto Railway
- Proposed Moloto Stations



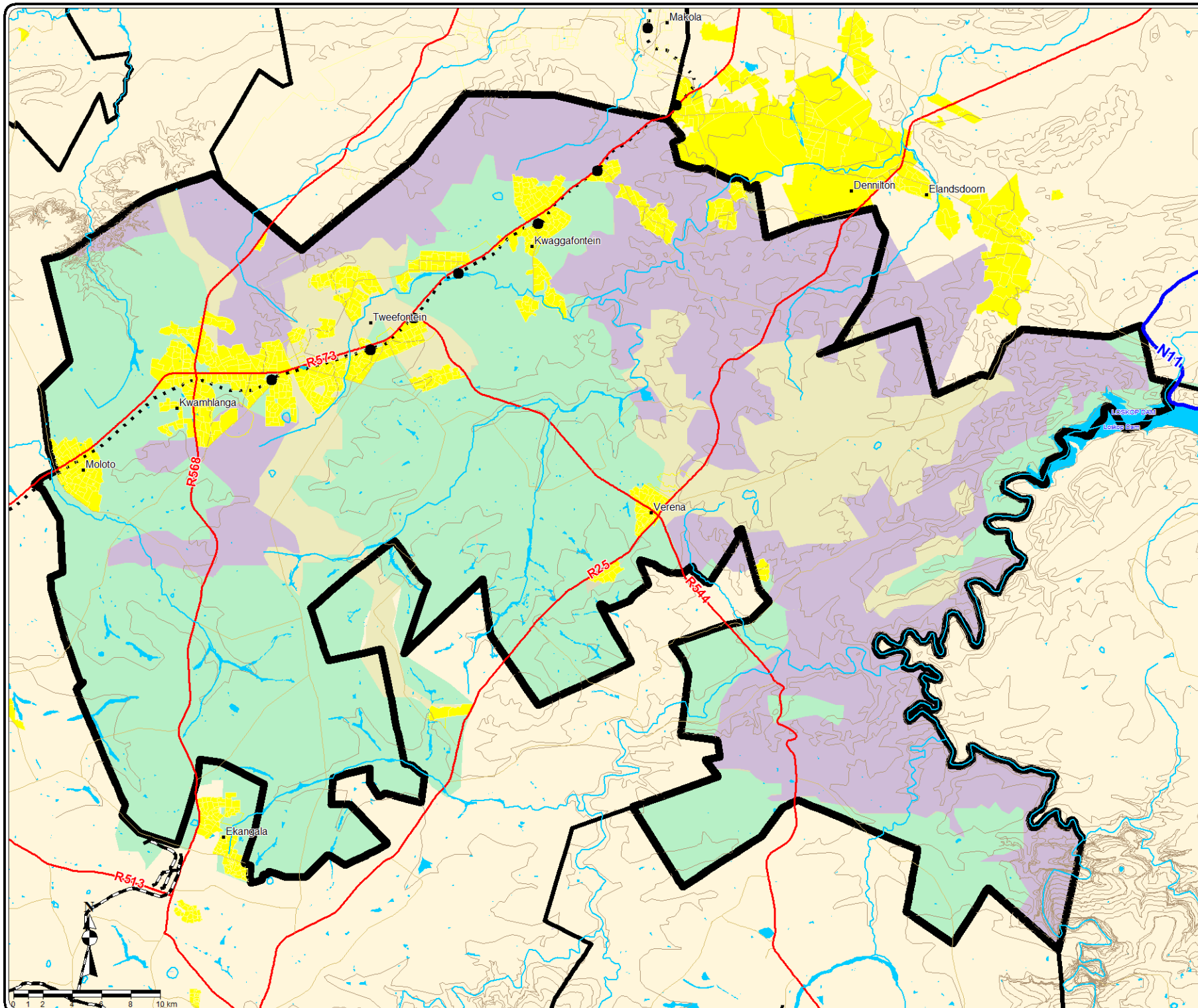


# THEMBISILE HANI LOCAL MUNICIPALITY

## Soils

### Legend

- Glenrosa and \_ or Mispah forms
- Plinthic Cantena\_ Upland duplex and Margalitic soils rare
- Rock areas with miscellaneous land classes
- Mountains and Ridges
- Dams and Rivers
- National Roads
- Main Roads
- Secondary Roads
- Railways
- Bus Routes
- Proposed Moloto Railway
- Proposed Moloto Stations



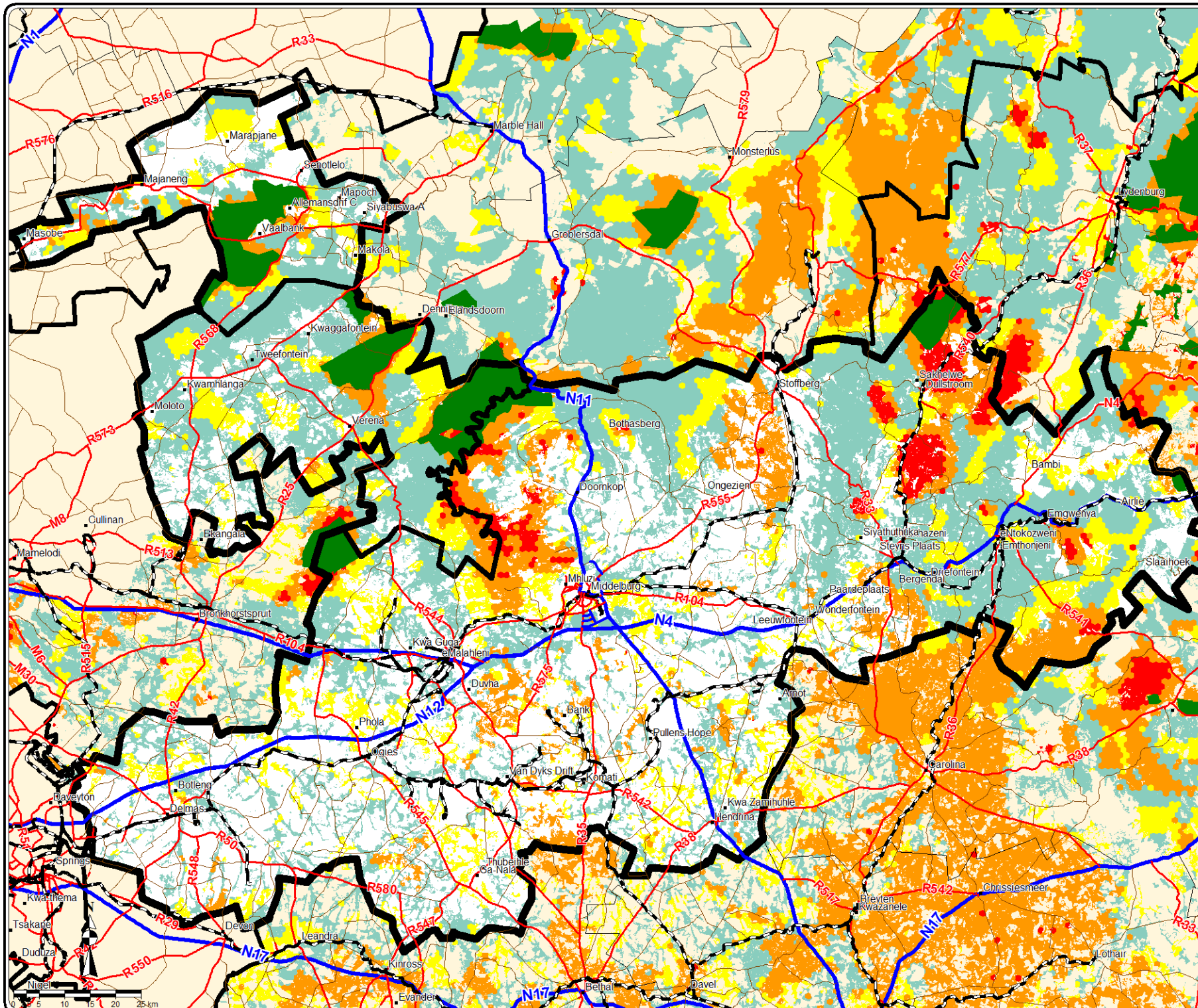


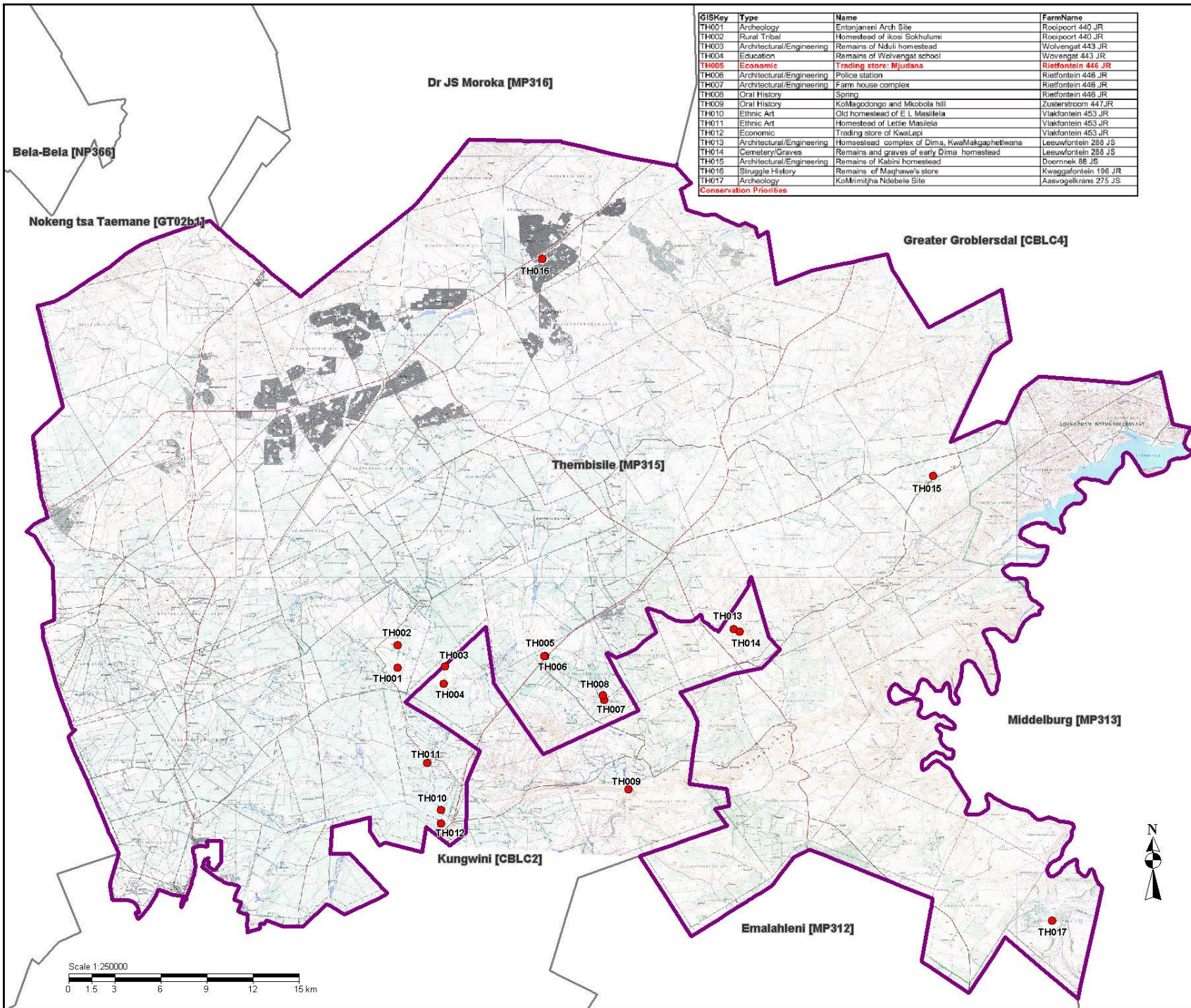
# THEMBISILE HANI LOCAL MUNICIPALITY

## Biodiversity Assessment

### Legend

- Local Municipality
- Protected Areas
- Irreplaceable
- Highly Significant
- Important Necessary
- Least Concern
- Dams and Rivers
- National Roads
- Main Roads
- Railways
- Towns





GISKey	Type	Name	FarmName
TH001	Archeology	Entonjaneni Arch Site	Rooipoot 440 JR
TH002	Rural Tribal	Homestead of ikosi Sokhulumi	Rooipoot 440 JR
TH003	Architectural/Engineering	Remains of Nduli homestead	Wolvengat 443 JR
TH004	Education	Remains of Wolvengat school	Wolvengat 443 JR
TH005	Economic	Trading store: Mjudana	Rietfontein 446 JR
TH006	Architectural/Engineering	Police station	Rietfontein 446 JR
TH007	Architectural/Engineering	Farm house complex	Rietfontein 446 JR
TH008	Oral History	Spring	Rietfontein 446 JR
TH009	Oral History	KoMagodongo and Mkobola hill	Zusterstroom 447JR
TH010	Ethnic Art	Old homestead of E. L. Masilela	Vlakfontein 453 JR
TH011	Ethnic Art	Homestead of Lettie Masilela	Vlakfontein 453 JR
TH012	Economic	Trading store of Kwalapi	Vlakfontein 453 JR
TH013	Architectural/Engineering	Homestead complex of Dima, KwaMakgaphetwana	Lesuwfontein 288 JS
TH014	Cemetery/Graves	Remains and graves of early Dima homestead	Lesuwfontein 288 JS
TH015	Architectural/Engineering	Remains of Kabini homestead	Doornnek 88 JS
TH016	Struggle History	Remains of Masghawa's store	Kwaggafontein 196 JR
TH017	Archeology	KoMimitha Ndebele Site	Aasvogelkrans 275 JS

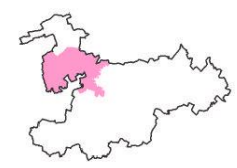
**NKANGALA DISTRICT MUNICIPALITY**



**Legend**

- Cultural Heritage Sites
- Municipal Boundaries
- ▭ Thembisile Municipality Boundary

**Locality Map**



**THEMBISILE MUNICIPALITY**



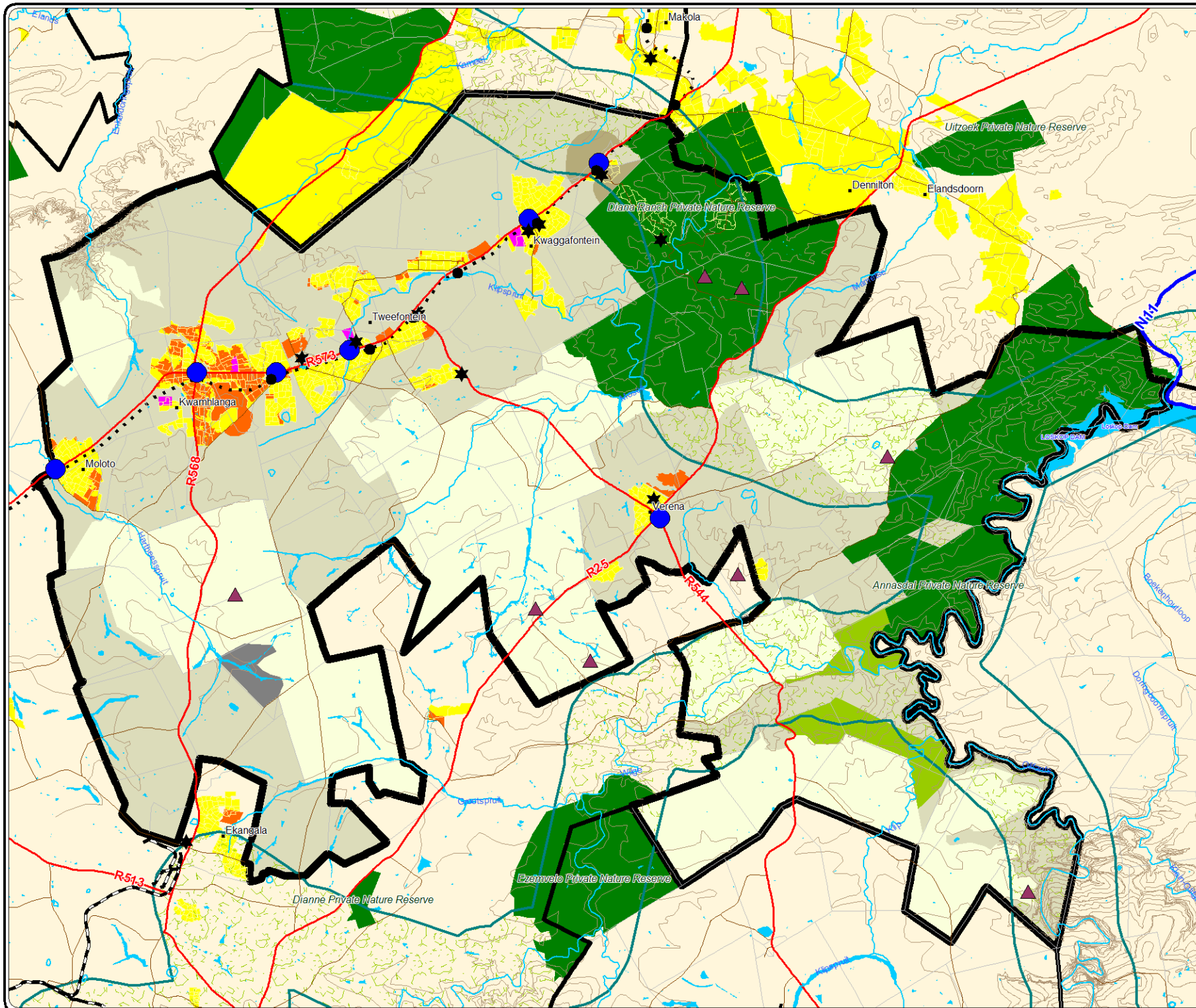


# THEMBISILE HANI LOCAL MUNICIPALITY

## Land Use

### Legend

- Towns and Settlements
- Informal Areas
- Business / Commercial Node
- Industrial Areas
- Mining
- Community Agriculture (Poultry – Food Gardens)
- Extensive Agriculture
- Nature Reserves
- Conservation Areas
- Ecological Corridors
- Cultural Historic Sites
- Mountains and Ridges
- Dams and Rivers
- National Roads
- Main Roads
- Secondary Roads
- Railways
- Proposed Moloto Railway
- Proposed Moloto Stations
- Taxi Ranks



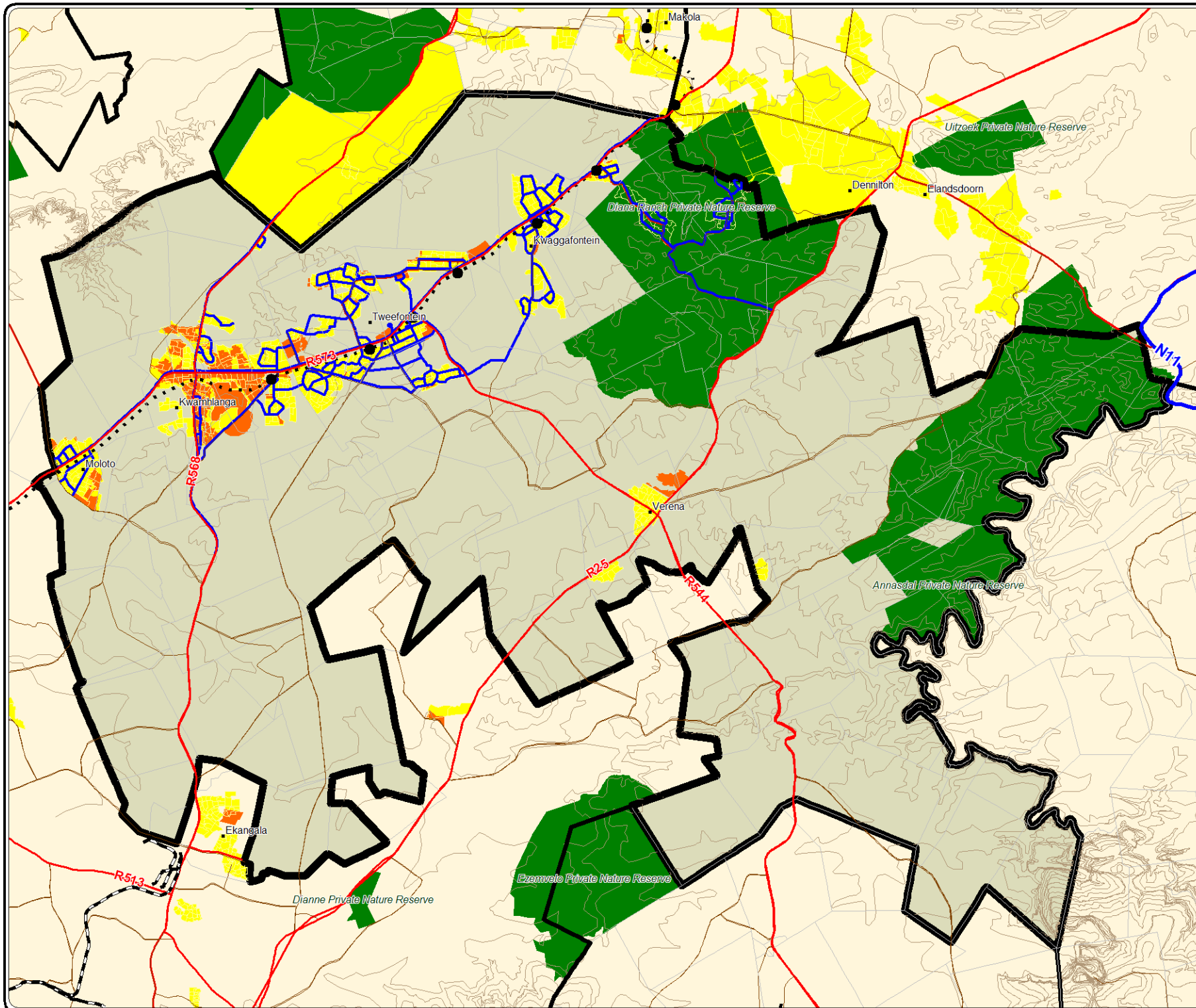


# THEMBISILE HANI LOCAL MUNICIPALITY

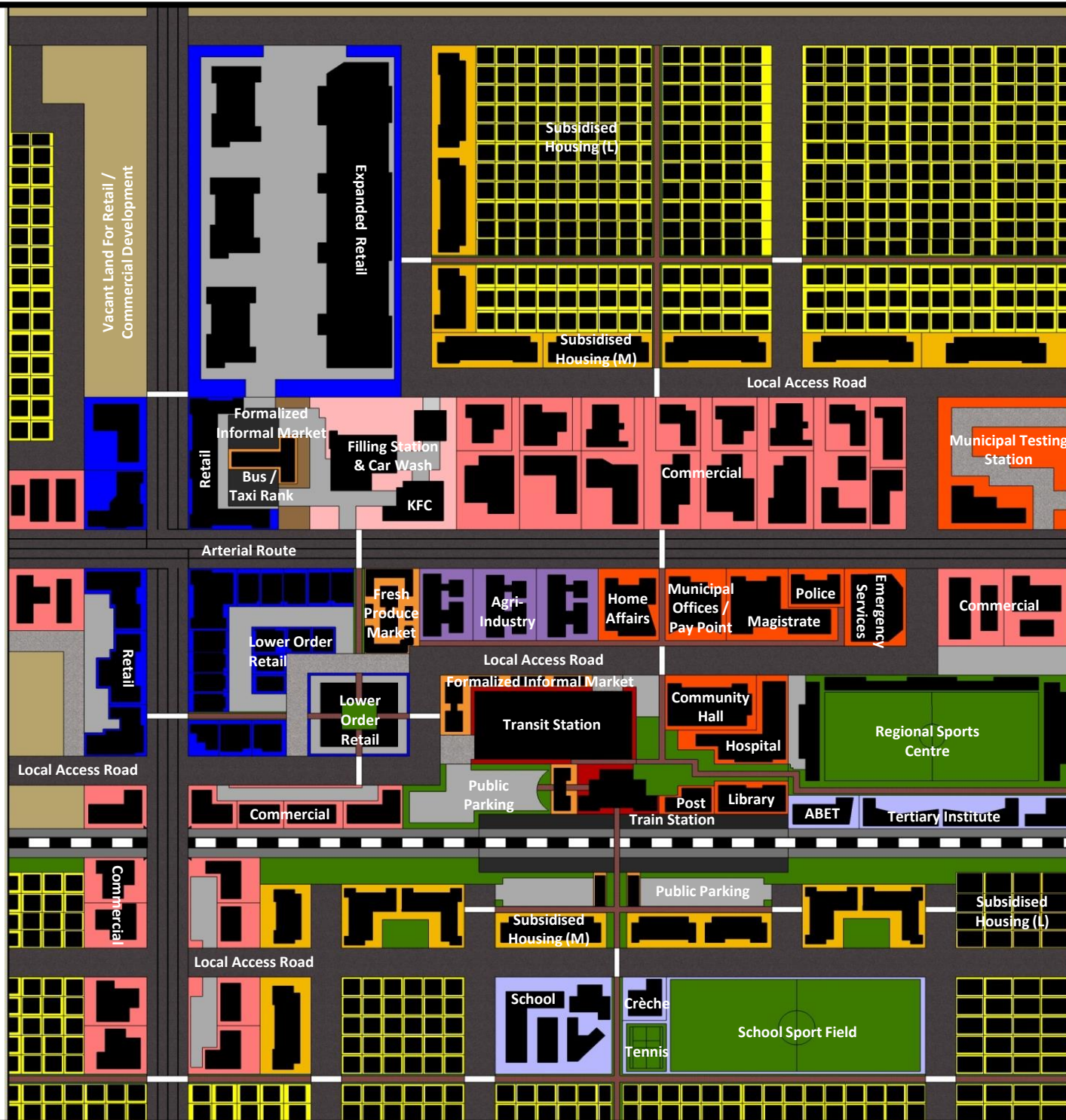
## Priority Road Network

### Legend

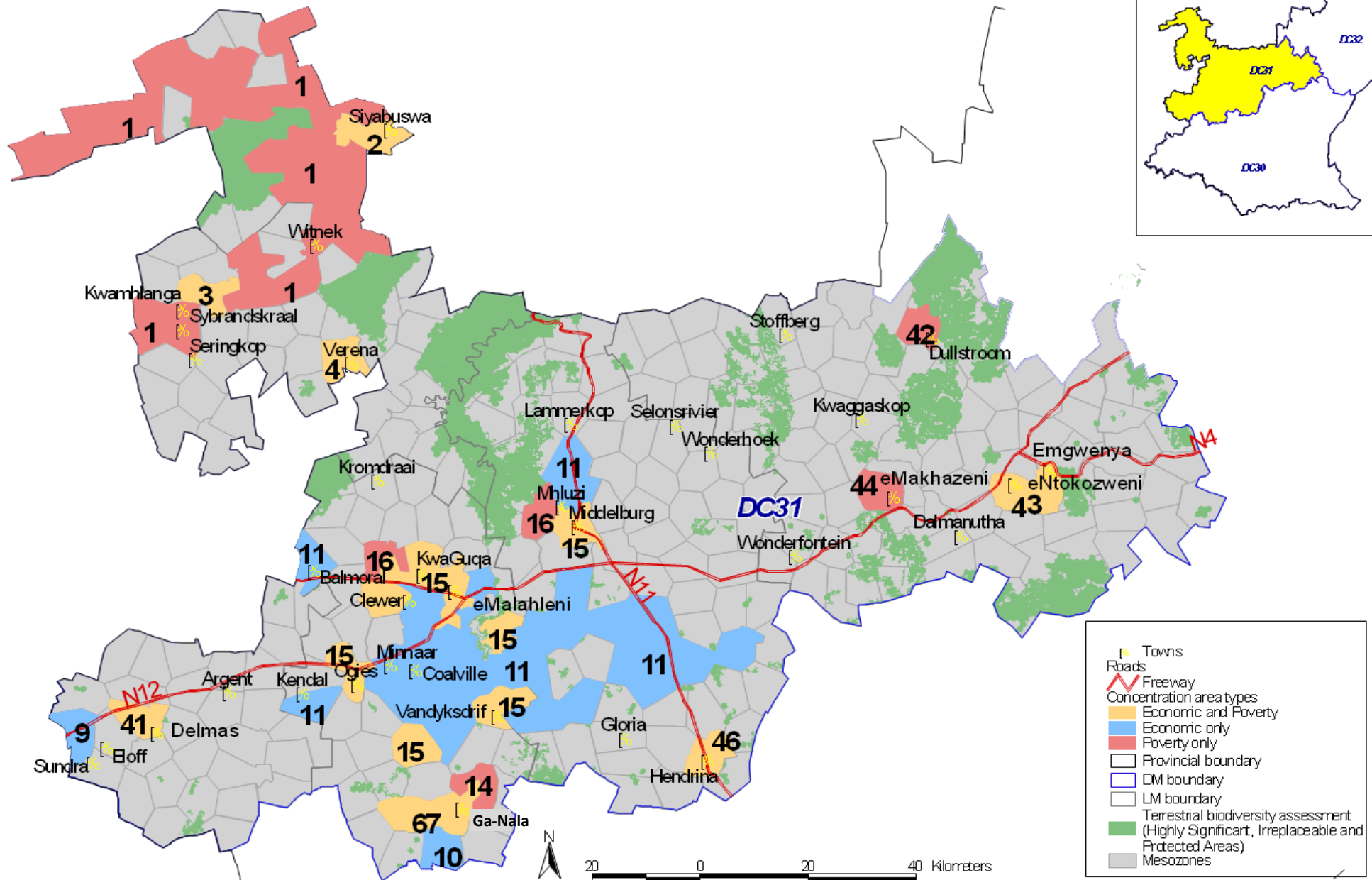
- Towns and Settlements
- Informal Areas
- Nature Reserves
- Mountains and Ridges
- Dams and Rivers
- National Roads
- Main Roads
- Secondary Roads
- Railways
- Bus Routes
- Proposed Moloto Railway
- Proposed Moloto Stations



# TRANSIT ORIENTATED DEVELOPMENT (TOD)



# Concentration Area Types: DC 31 – Nkangala District Municipality



# THEMBISILE HANI LM

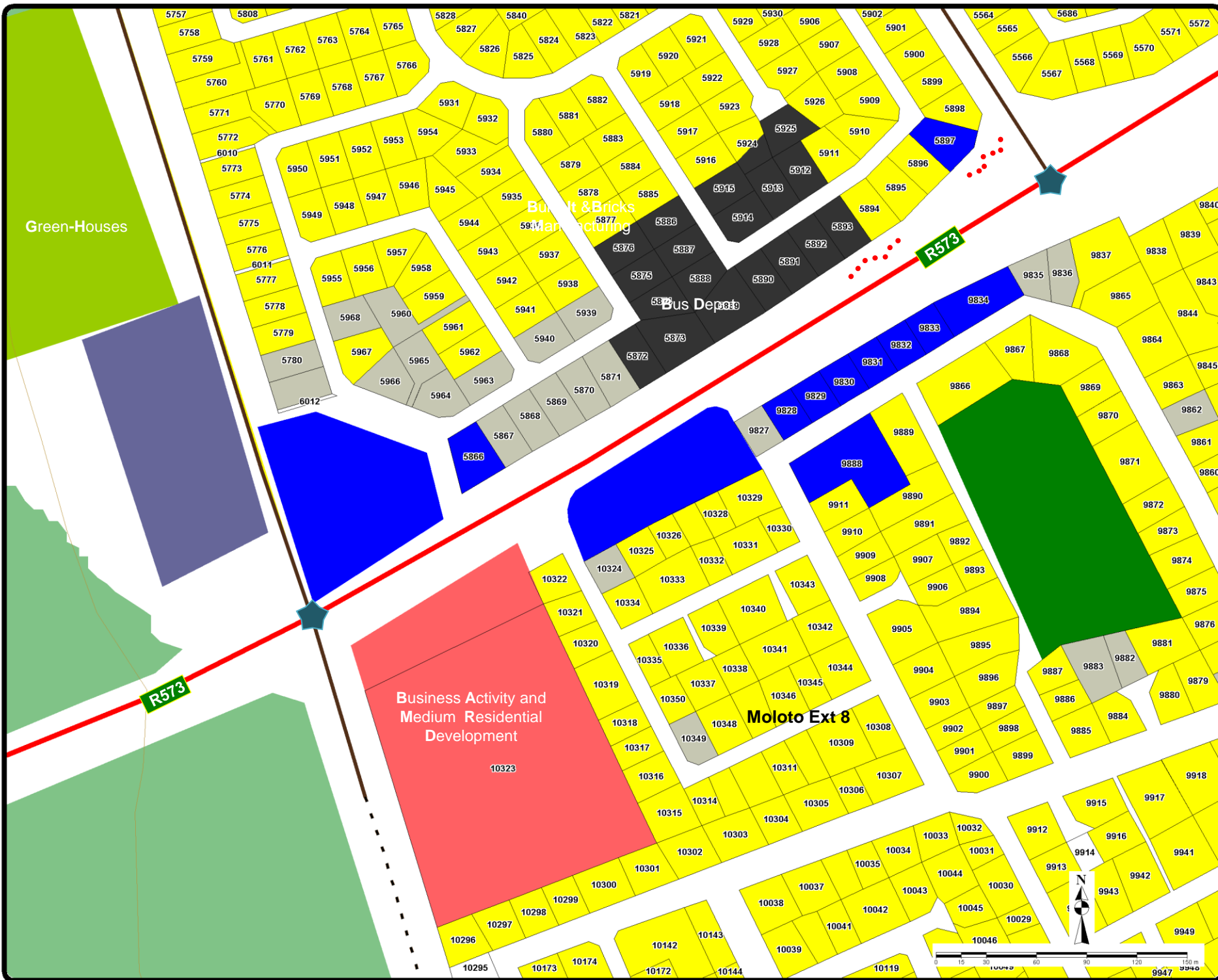
## NODAL DEVELOPMENT

### MOLOTO NODE (A)

#### LAND USE

#### LEGEND

- Primary Road
- Secondary Road
- Residential
- Business
- Mixed Use
- Informal Trading
- Agriculture (Green House)
- Hardware/Building Material
- Bus Depot
- Soccer Fields
- Vacant
- Wetland
- ★ Access Point







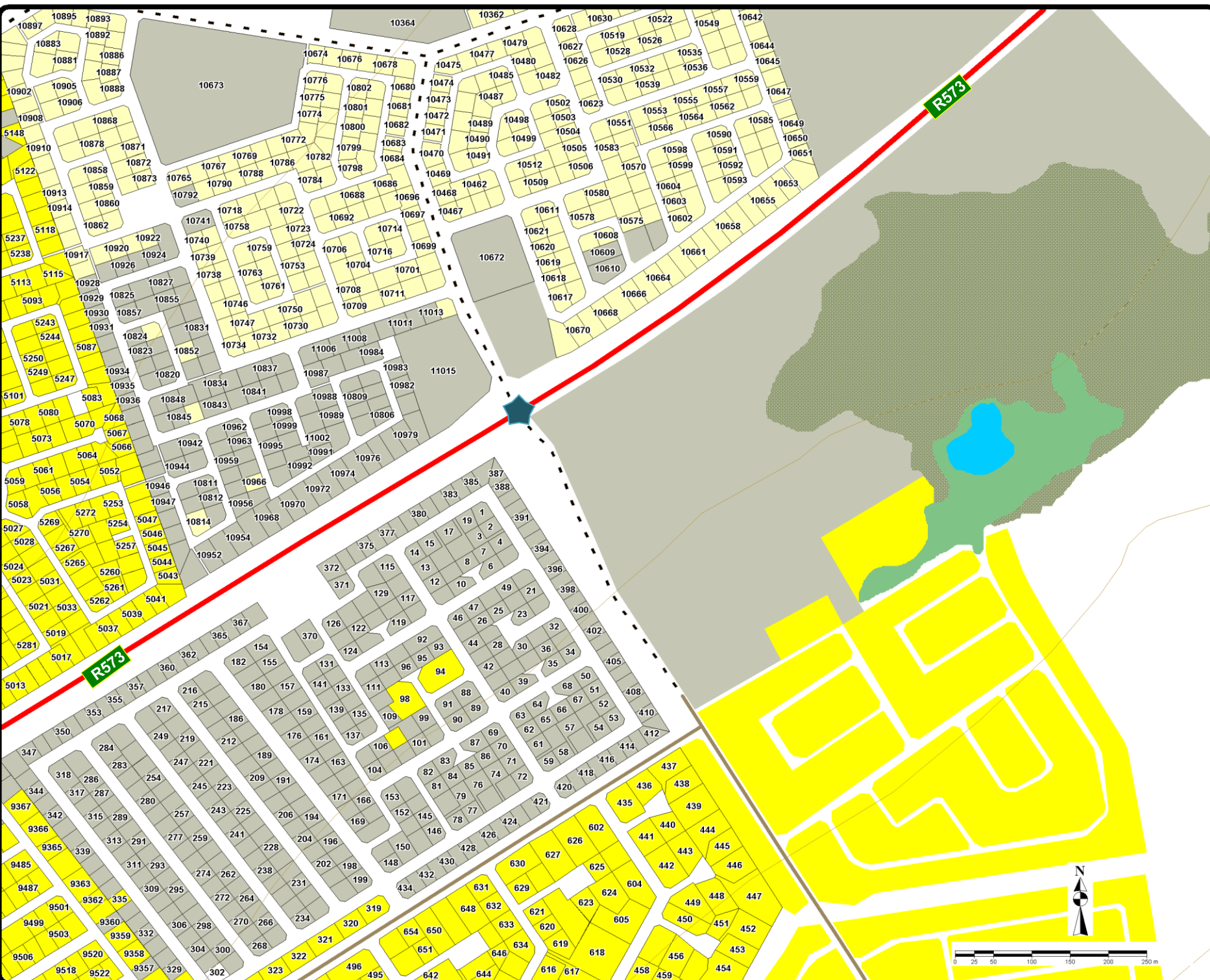
# THEMBISILE HANI LM

## NODAL DEVELOPMENT

### MOLOTO NODE (B)

#### LAND USE LEGEND

-  Primary Road
-  Local Access Road
-  Gravel Road
-  Single Residential
-  RDP Housing
-  Education
-  Illegal Sand Mining
-  Vacant
-  Dam
-  Wetland
-  Access Point



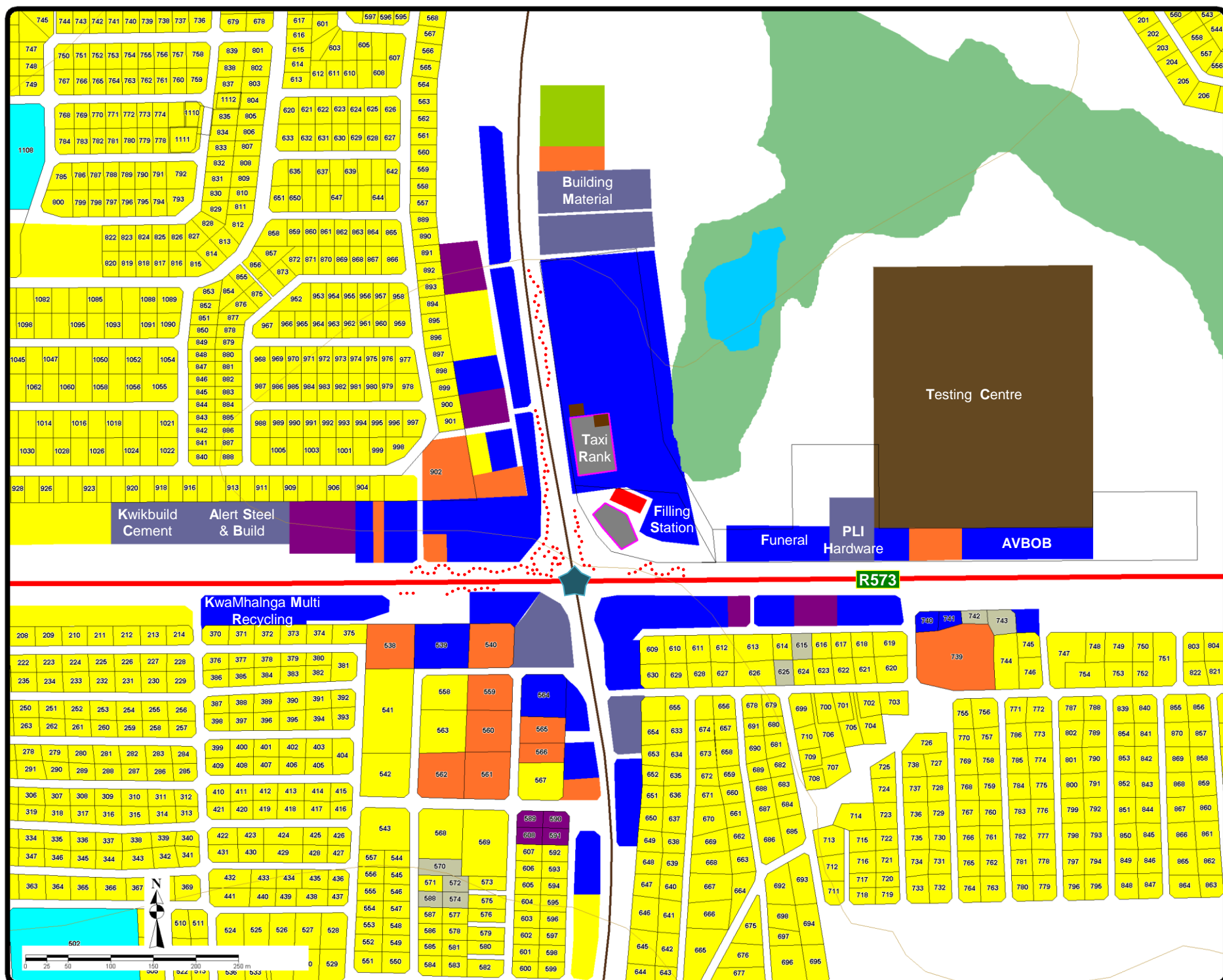
# THEMBISILE HANI LM

## NODAL DEVELOPMENT

### KWA-MHLANGA NODE

#### LAND USE LEGEND

-  Primary Road
-  Secondary Road
-  Residential
-  Medium Residential
-  Density
-  Business
-  Hardware/Building Material
-  Motor Related Services
-  Municipal / Government
-  Taxi Rank
-  Formalized Informal Trading Structures
-  Informal Trading
-  Agricultural Activity
-  Vacant
-  Dam
-  Wetland Access Point



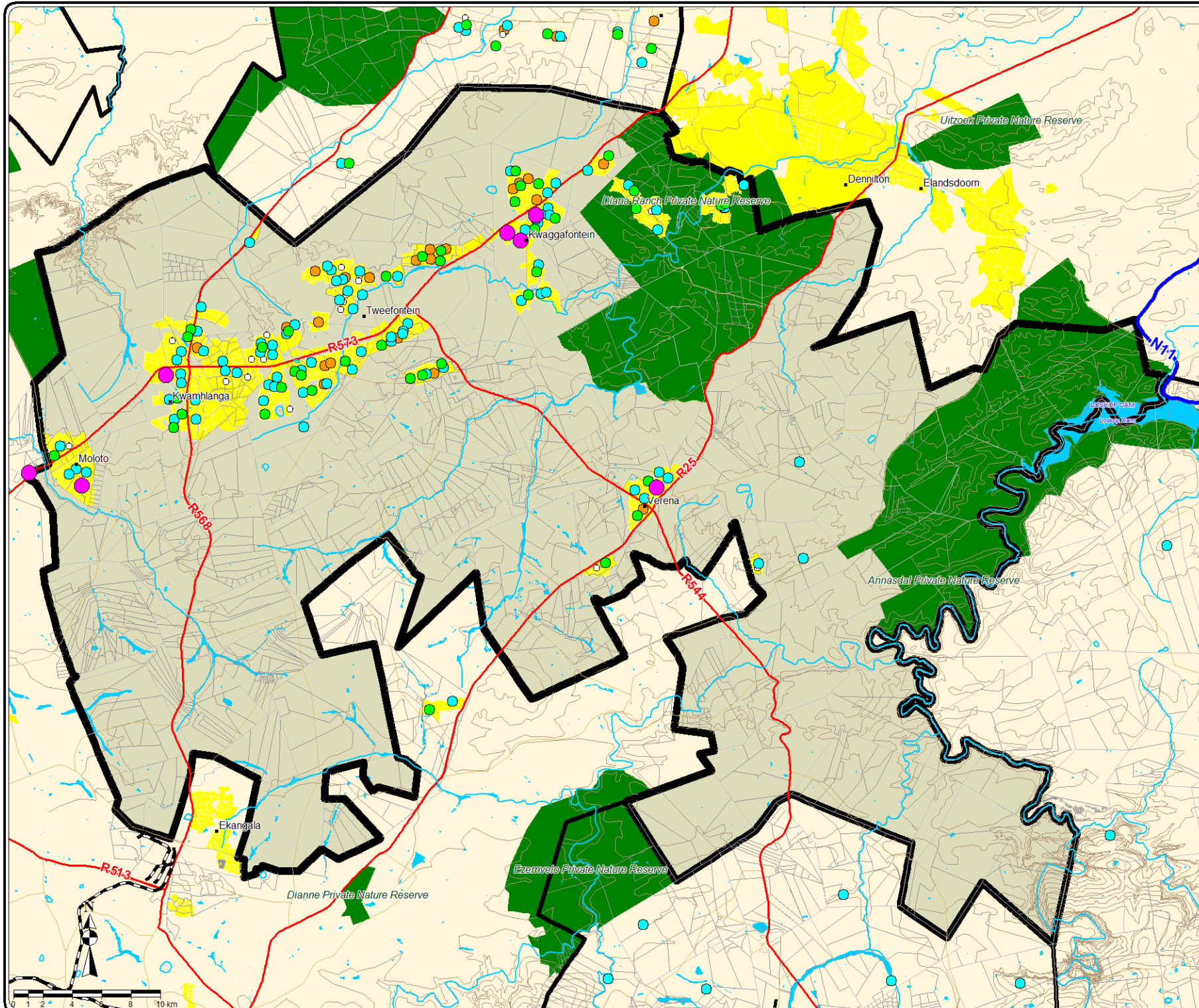


# THEMBISILE HANI LOCAL MUNICIPALITY

## Educational Facilities

### Legend

- Towns and Settlements
- Primary
- Secondary
- Combined
- Tertiary
- Nature Reserves
- Mountains and Ridges
- Dams and Rivers
- National Roads
- Main Roads
- Secondary Roads
- Railways



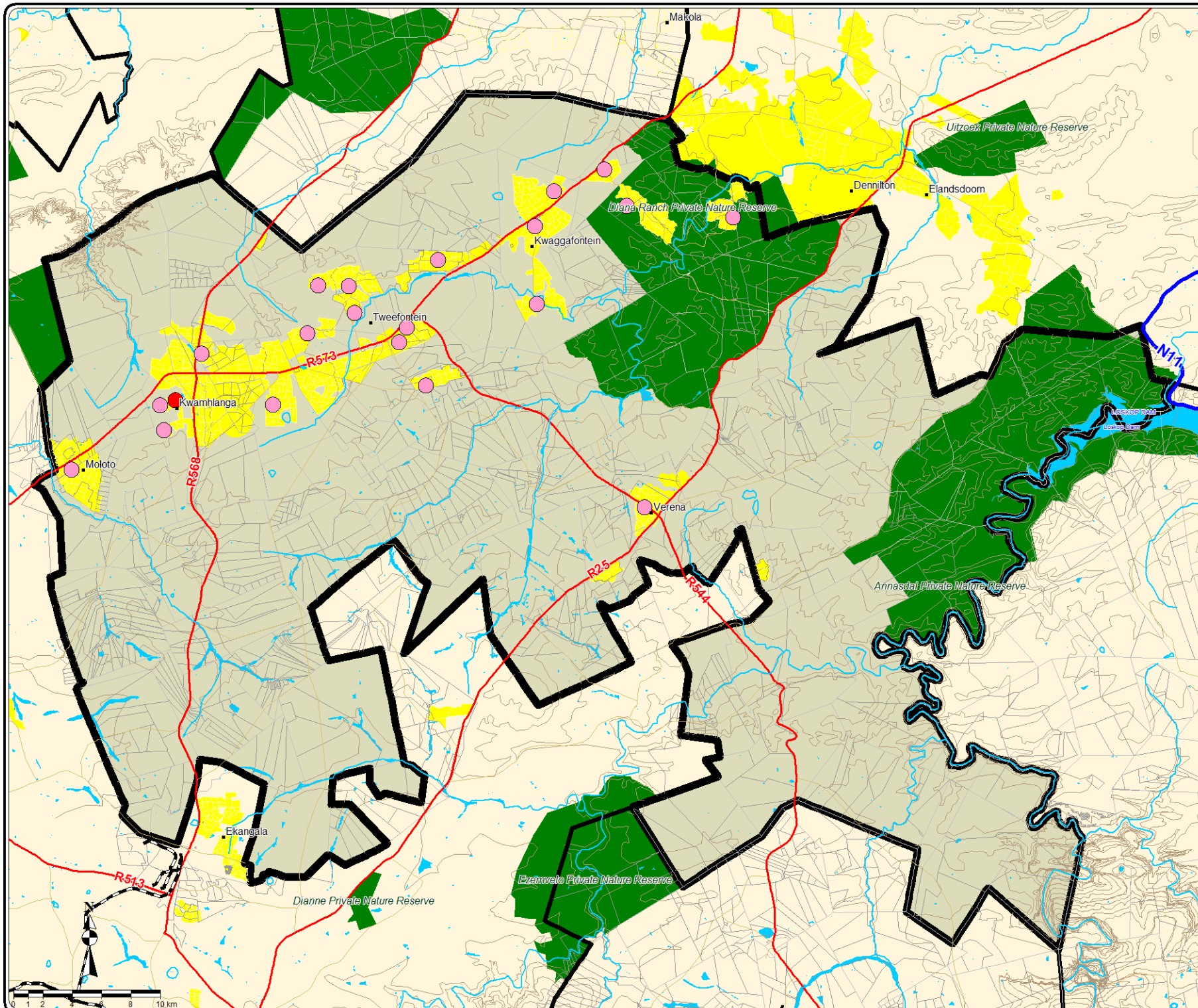


# THEMBISILE HANI LOCAL MUNICIPALITY

## Health Facilities

### Legend

- Towns and Settlements
- Clinic
- Hospital
- Nature Reserves
- Mountains and Ridges
- Dams and Rivers
- National Roads
- Main Roads
- Secondary Roads
- Railways



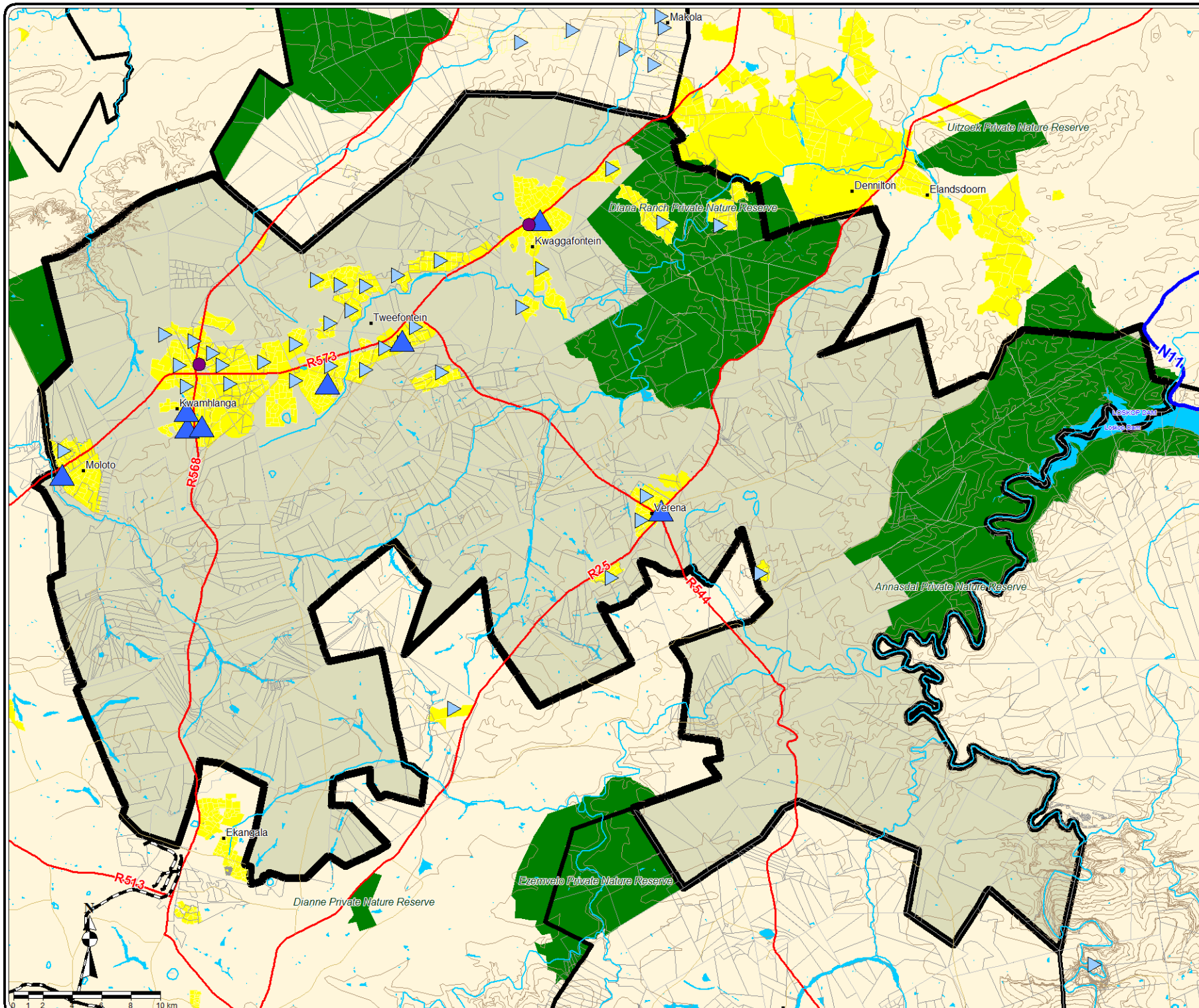


# THEMBISILE HANI LOCAL MUNICIPALITY

## Community Facilities

### Legend

- Towns and Settlements
- Police
- Post Office
- Mobile Boxes
- Nature Reserves
- Mountains and Ridges
- Dams and Rivers
- National Roads
- Main Roads
- Secondary Roads
- Railways



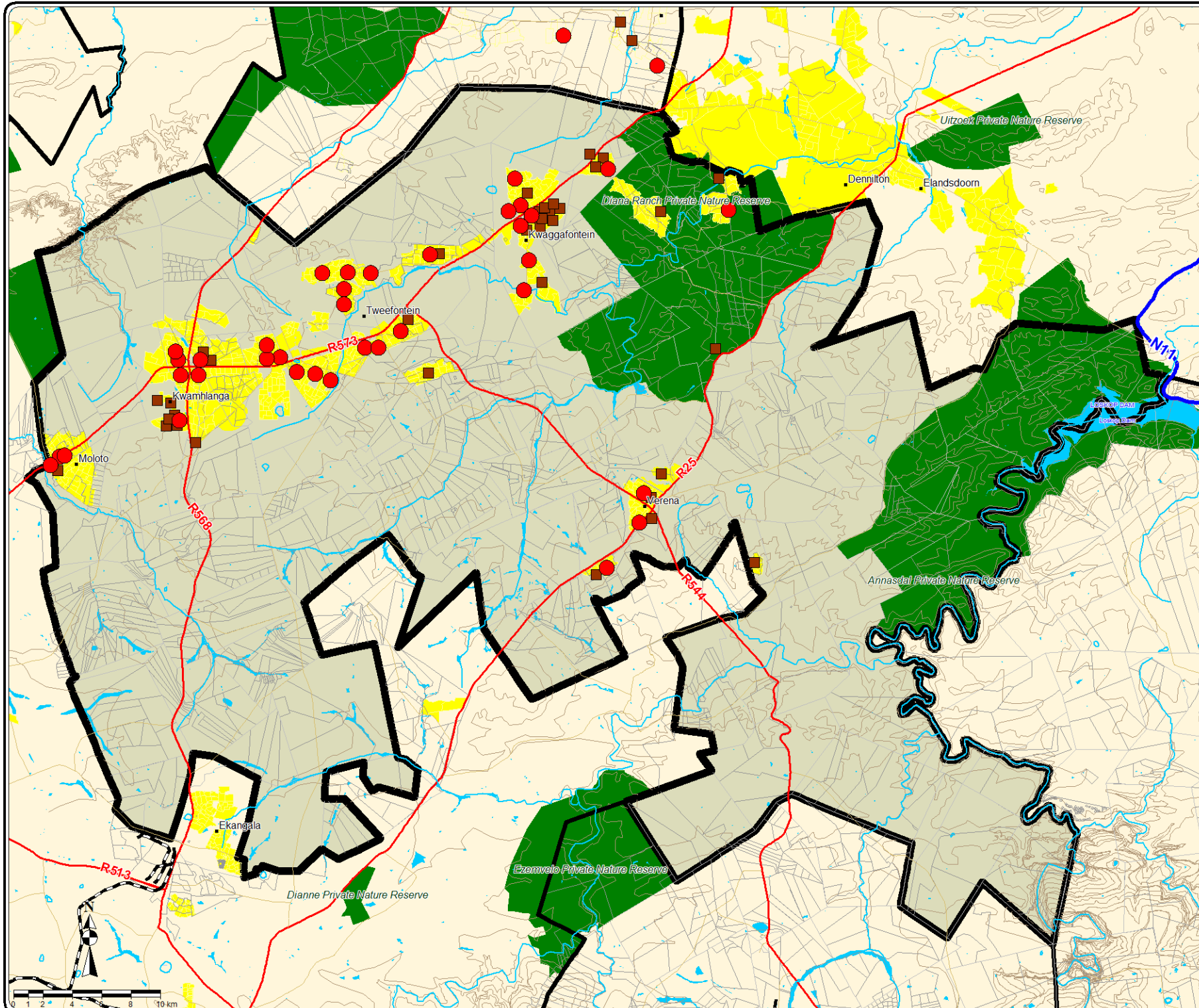


# THEMBISILE HANI LOCAL MUNICIPALITY

## Community Facilities

### Legend

- Towns and Settlements
- Municipal / Government
- Retail Facilities
- Nature Reserves
- Mountains and Ridges
- Dams and Rivers
- National Roads
- Main Roads
- Secondary Roads
- Railways



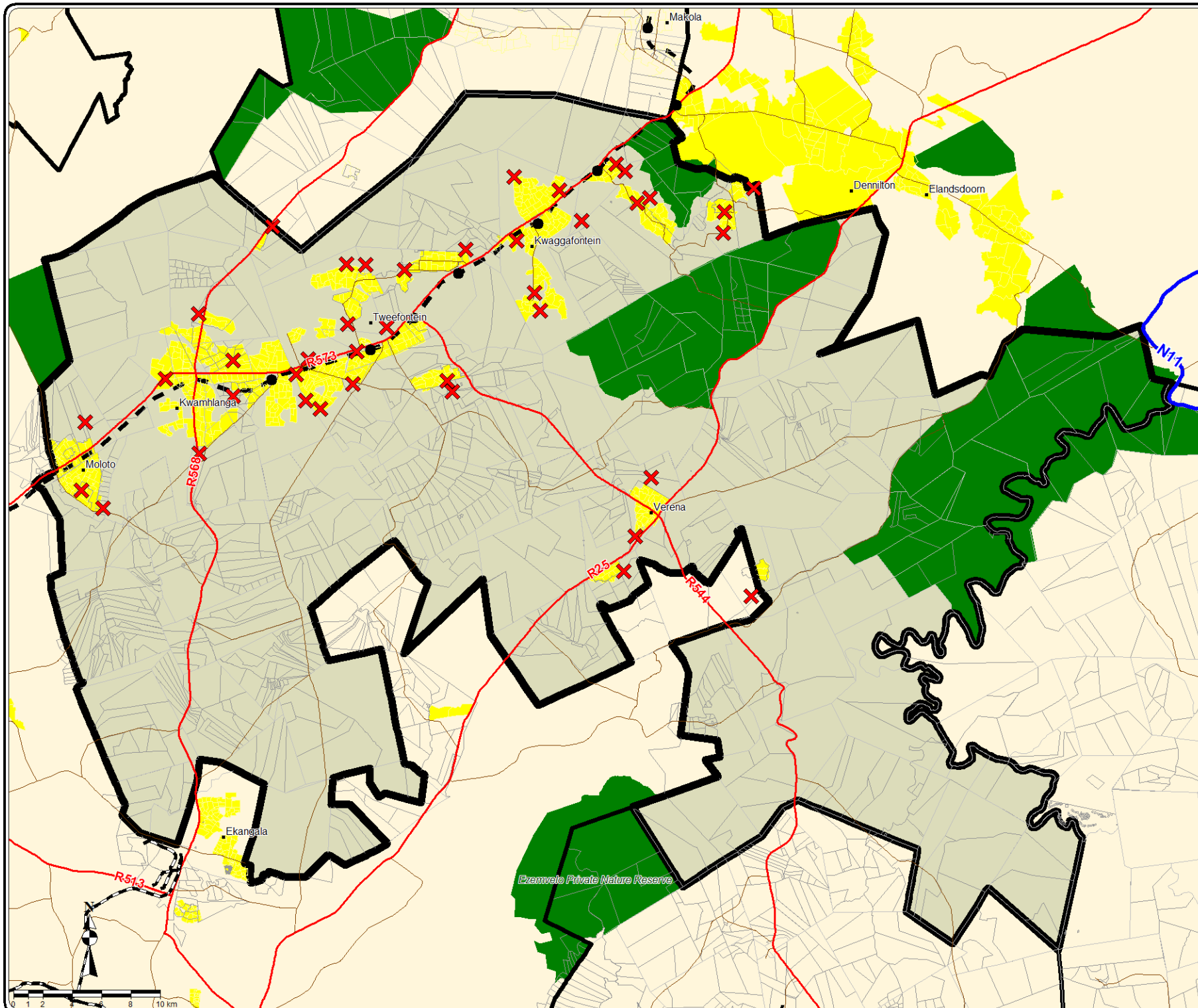


# THEMBISILE HANI LOCAL MUNICIPALITY

## Cemeteries












### Legend

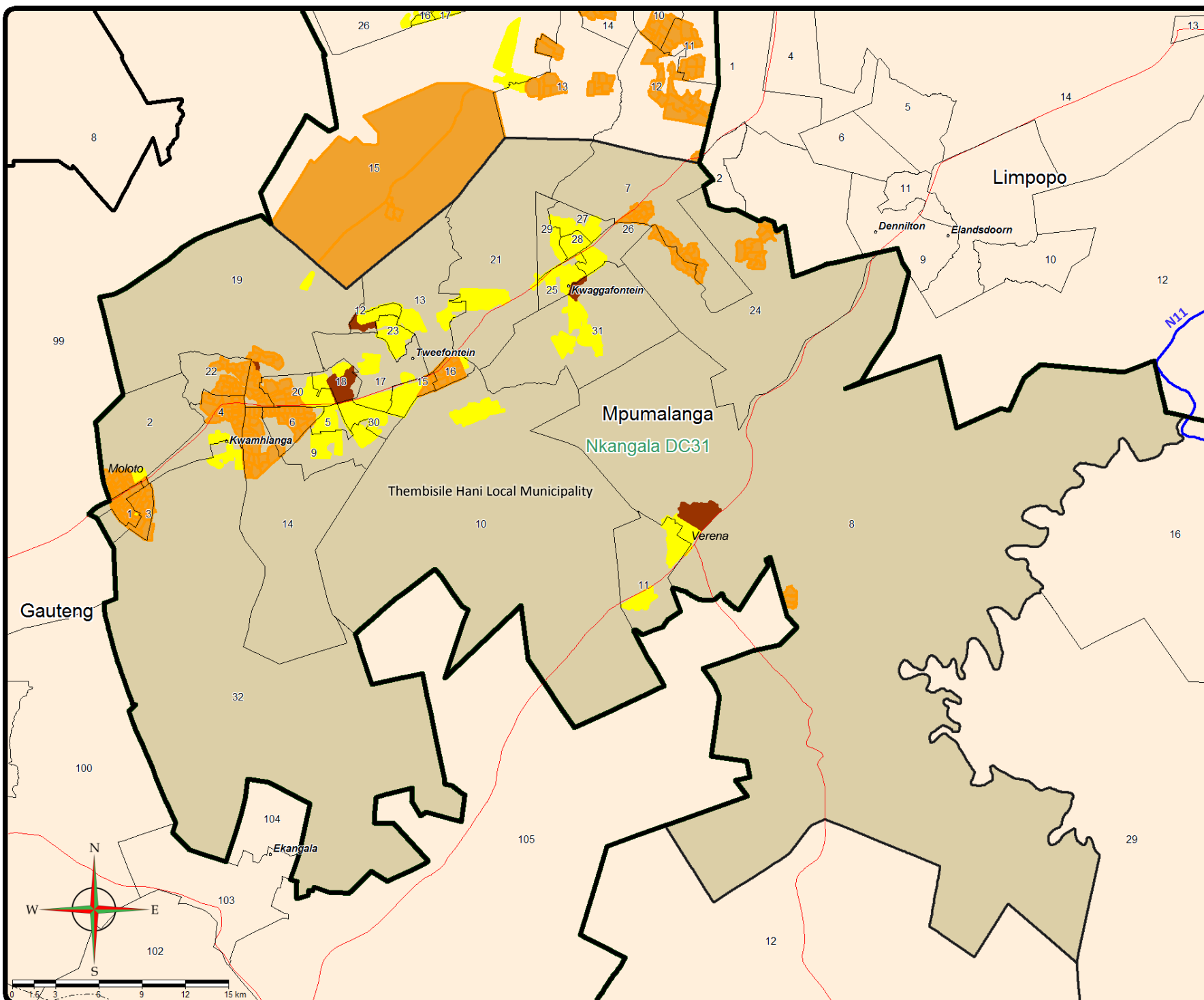
- Towns and Settlements
- Cemetery Sites
- Nature Reserves
- Mountains and Ridges
- Dams and Rivers
- National Roads
- Main Roads
- Secondary Roads
- Railways
- Proposed Moloto Railway
- Proposed Moloto Stations



# MPUMALANGA PROVINCE HUMAN SETTLEMENT MASTER PLAN

## Thembisile Hani Local Municipality

-  Provincial
-  Thembisile Hani Local Municipality
-  Township Boundary
-  District Municipality
-  Local Municipality
-  Towns (Census 2011)
-  Informal Settlements (Census 2011)
-  Traditional Areas (Census 2011)
-  National Roads
-  Main Roads
-  Railways



# THEMBISILE HANI LOCAL MUNICIPALITY

## WATER

- Thembisile Local Municipality
- Towns and Settlements
- No Water Network
- Network Expansion / House Connection Meters Required
- Required Meters Only
- Full Network Water

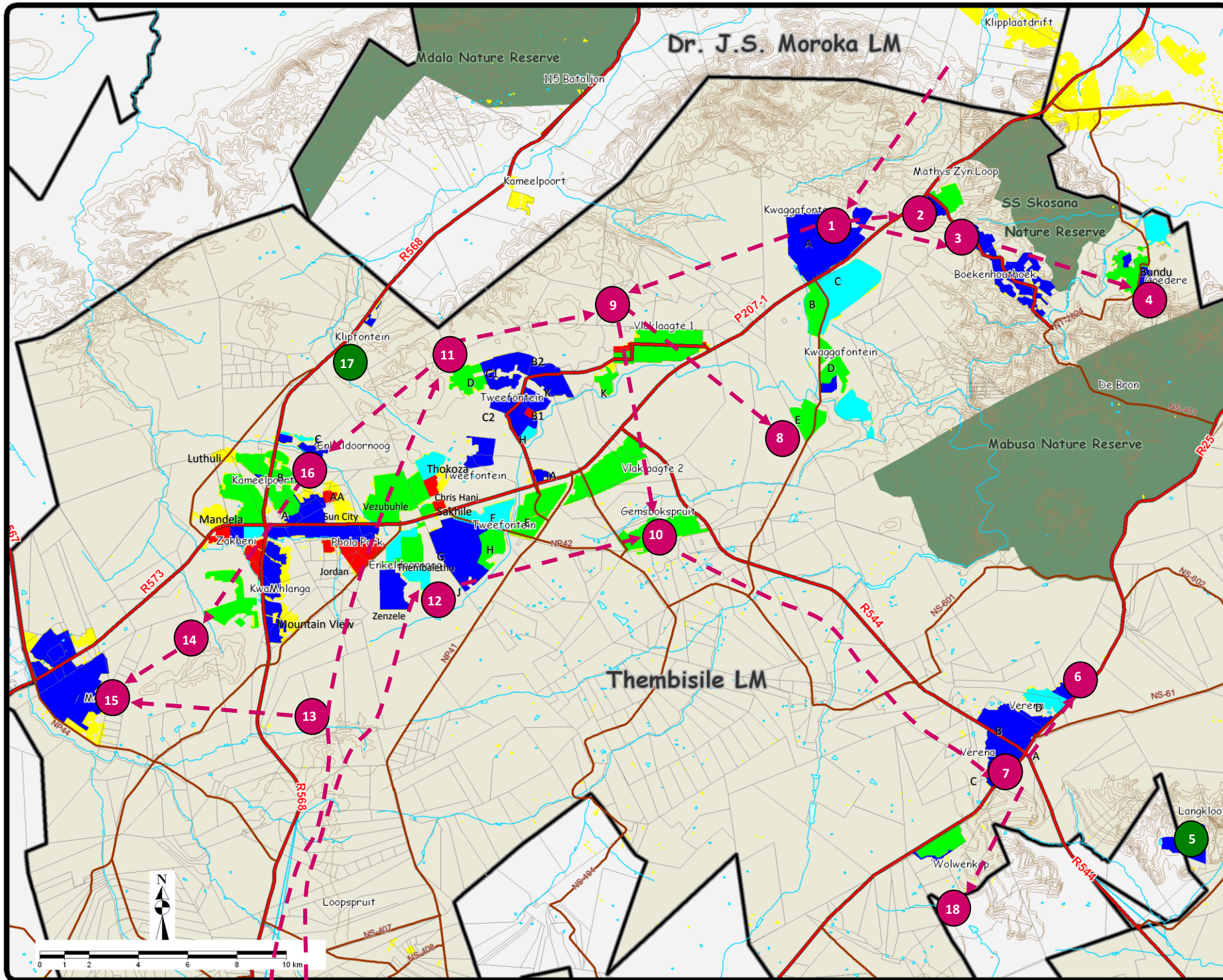
Supply Lines

Reservoir

Ground Water

### RESERVOIRS

- 1 Kwaggafontein
- 2 Mathys Zyn Loop
- 3 Boekenhouhoek
- 4 Bundu
- 5 Langkloof
- 6 Verena D
- 7 Verena C
- 8 Kwaggafontein E
- 9 Vlaklaagte
- 10 Vlaklaagte 2 / Gemsbokspruit
- 11 Tweefontein D
- 12 Thembalethu
- 13 Zustershoek
- 14 Kwamhlanga
- 15 Moloto South
- 16 Kameelpoortnek
- 17 Klipfontein
- 18 Wolvenkop

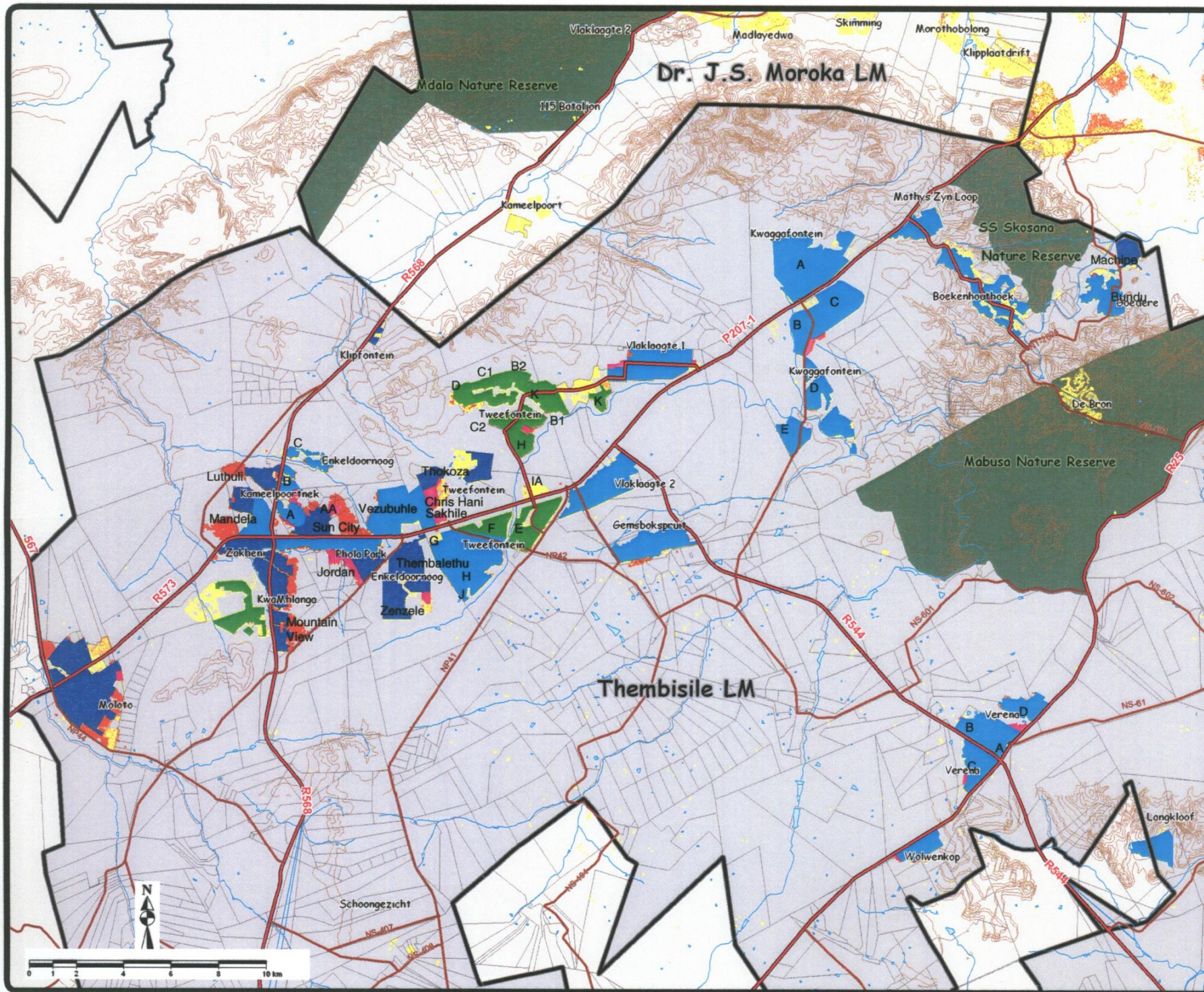




# THEMBISILE HANI LOCAL MUNICIPALITY

## ELECTRICITY

-  Thembisile Local Municipality
-  Towns and Settlements
-  Informal Towns
-  No House Connections
-  No Public Lighting
-  Limited Public Lighting
-  Sufficient Public Lighting



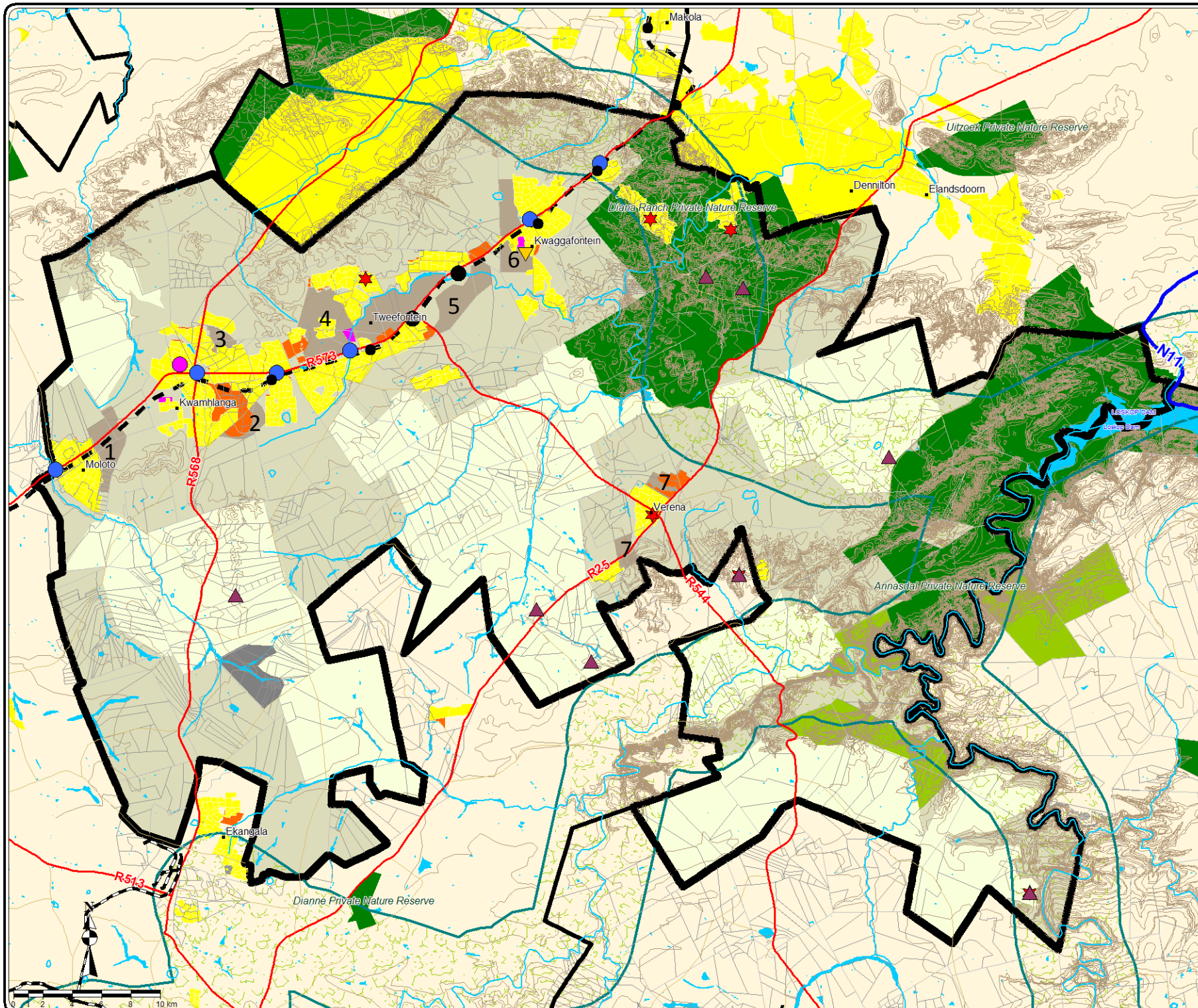


# THEMBISILE HANI LOCAL MUNICIPALITY

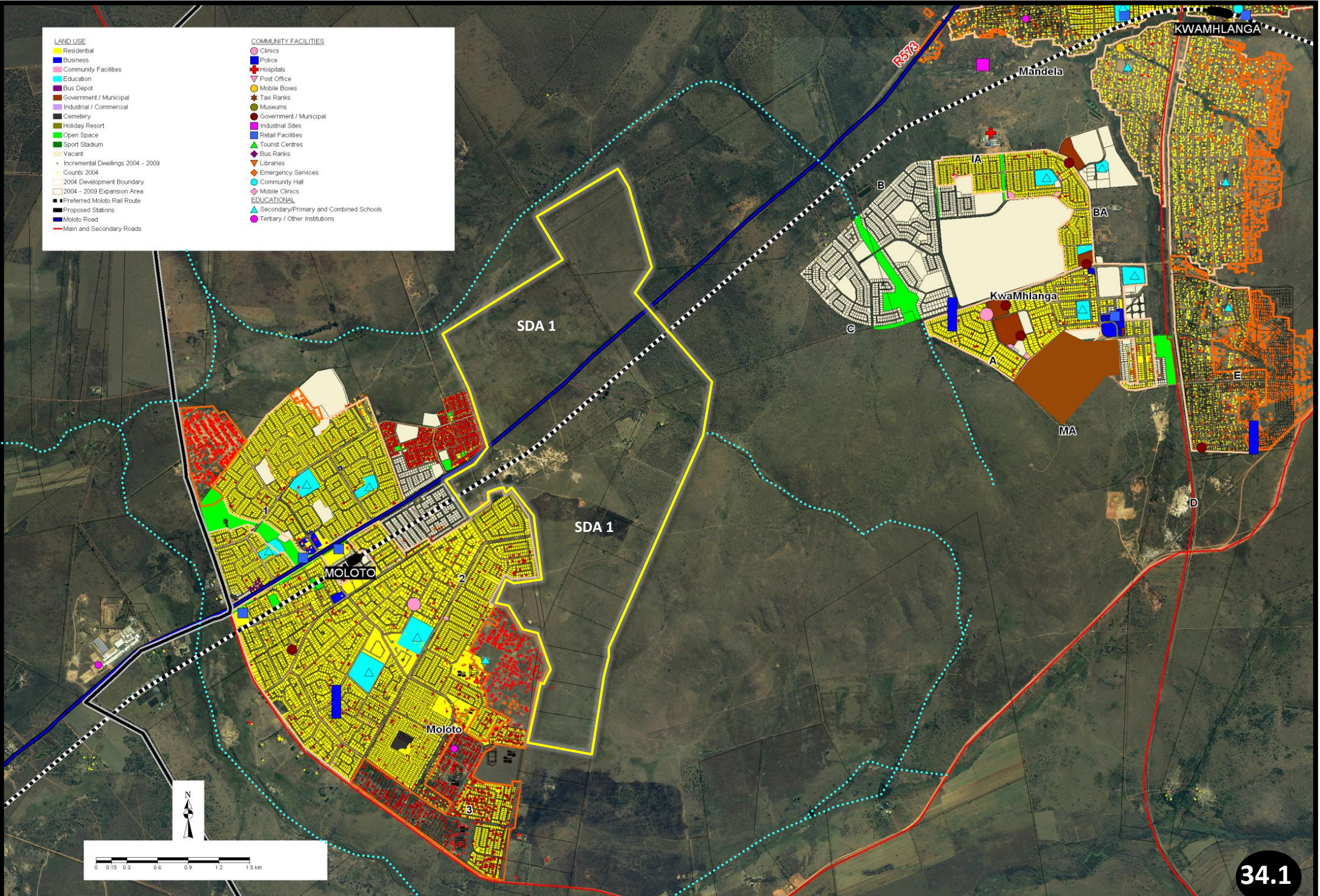
## Spatial Development Framework

### Legend

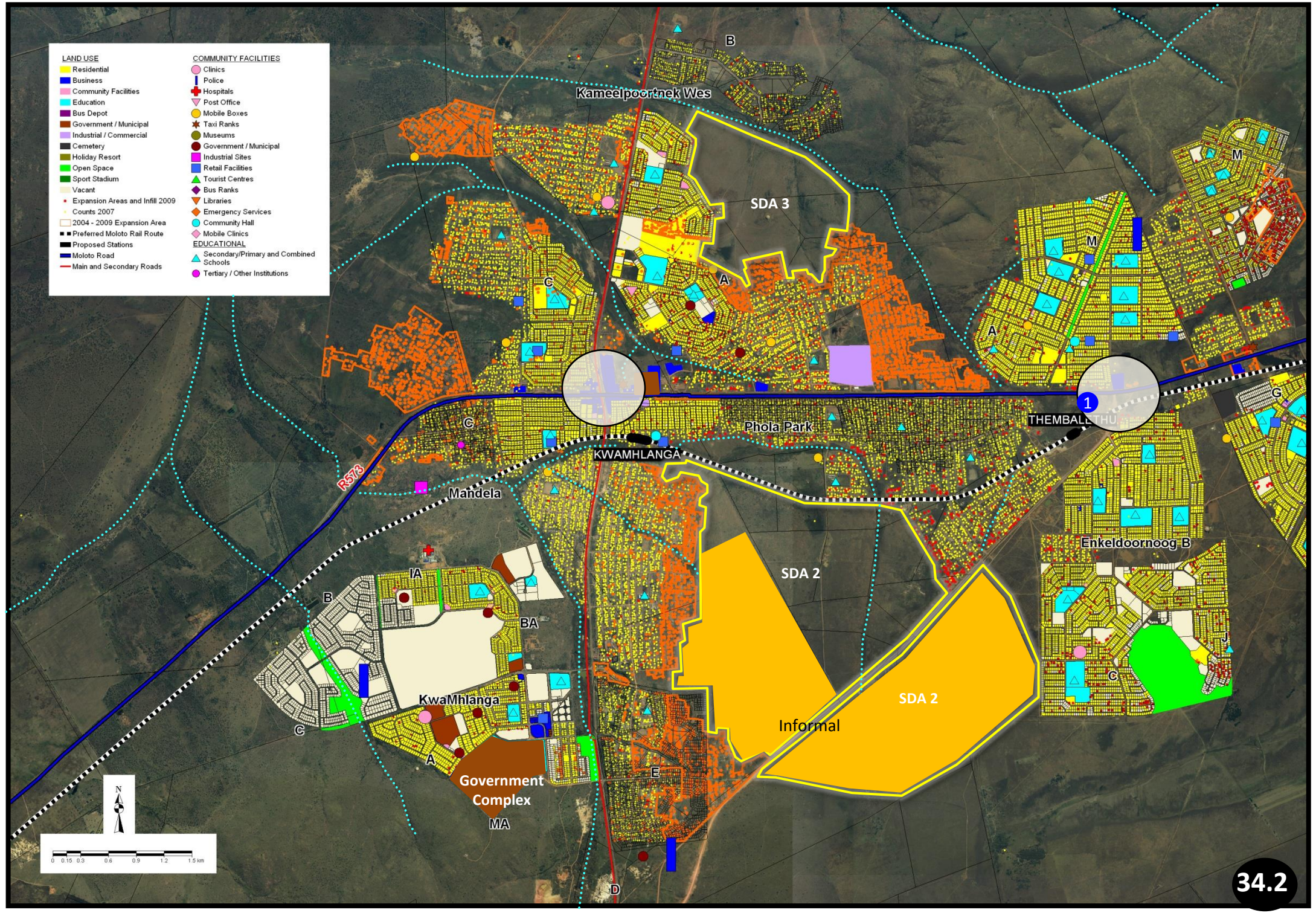
- Towns and Settlements
- Informal Areas
- Proposed Expansion Areas
- TOD Stations / Thusong Centres
- TOD Stations
- Thusong Centres
- Proposed Civic Centre and Library
- Proposed Emergency Services
- Cultural Historic Sites
- Mining
- Extensive Agriculture
- Nature Reserves
- Conservation Areas
- Ecological Corridors
- Mountains and Ridges
- Dams and Rivers
- National Roads
- Main Roads
- Secondary Roads
- Railways
- Proposed Moloto Railway
- Proposed Moloto Stations



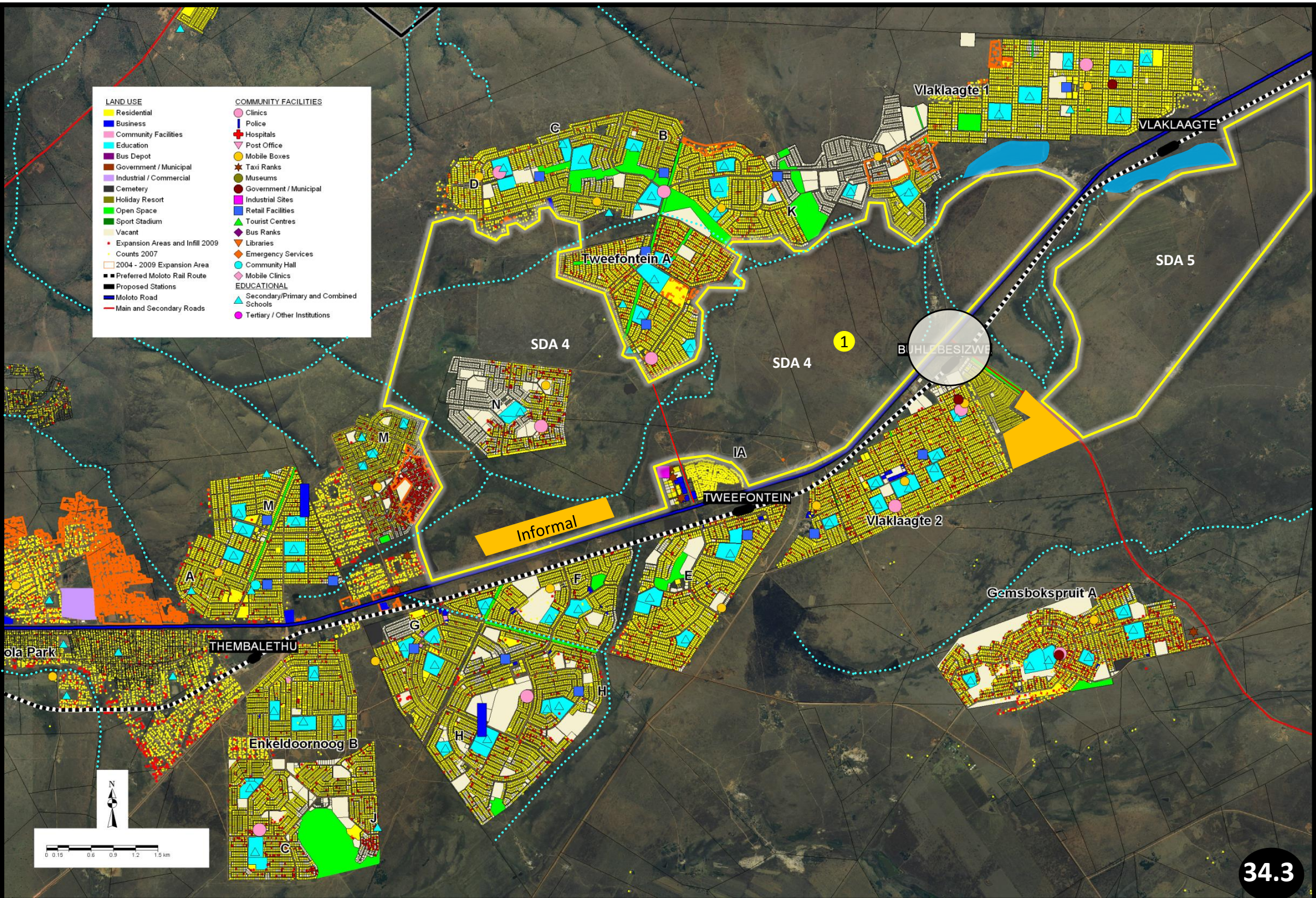
<b>LAND USE</b>	<b>COMMUNITY FACILITIES</b>
Residential	Clinics
Business	Police
Community Facilities	Hospitals
Education	Post Office
Bus Depot	Mobile Boxes
Government / Municipal	Taxi Ranks
Industrial / Commercial	Museums
Cemetery	Government / Municipal
Holiday Resort	Industrial Sites
Open Space	Retail Facilities
Sport Stadium	Tourist Centres
Vacant	Bus Ranks
Incremental Dwellings 2004 - 2009	Libraries
Courts 2004	Emergency Services
2004 Development Boundary	Community Hall
2004 - 2009 Expansion Area	Mobile Clinics
Preferred Moloto Rail Route	<b>EDUCATIONAL</b>
Proposed Stations	Secondary/Primary and Combined Schools
Moloto Road	Tertiary / Other Institutions
Man and Secondary Roads	

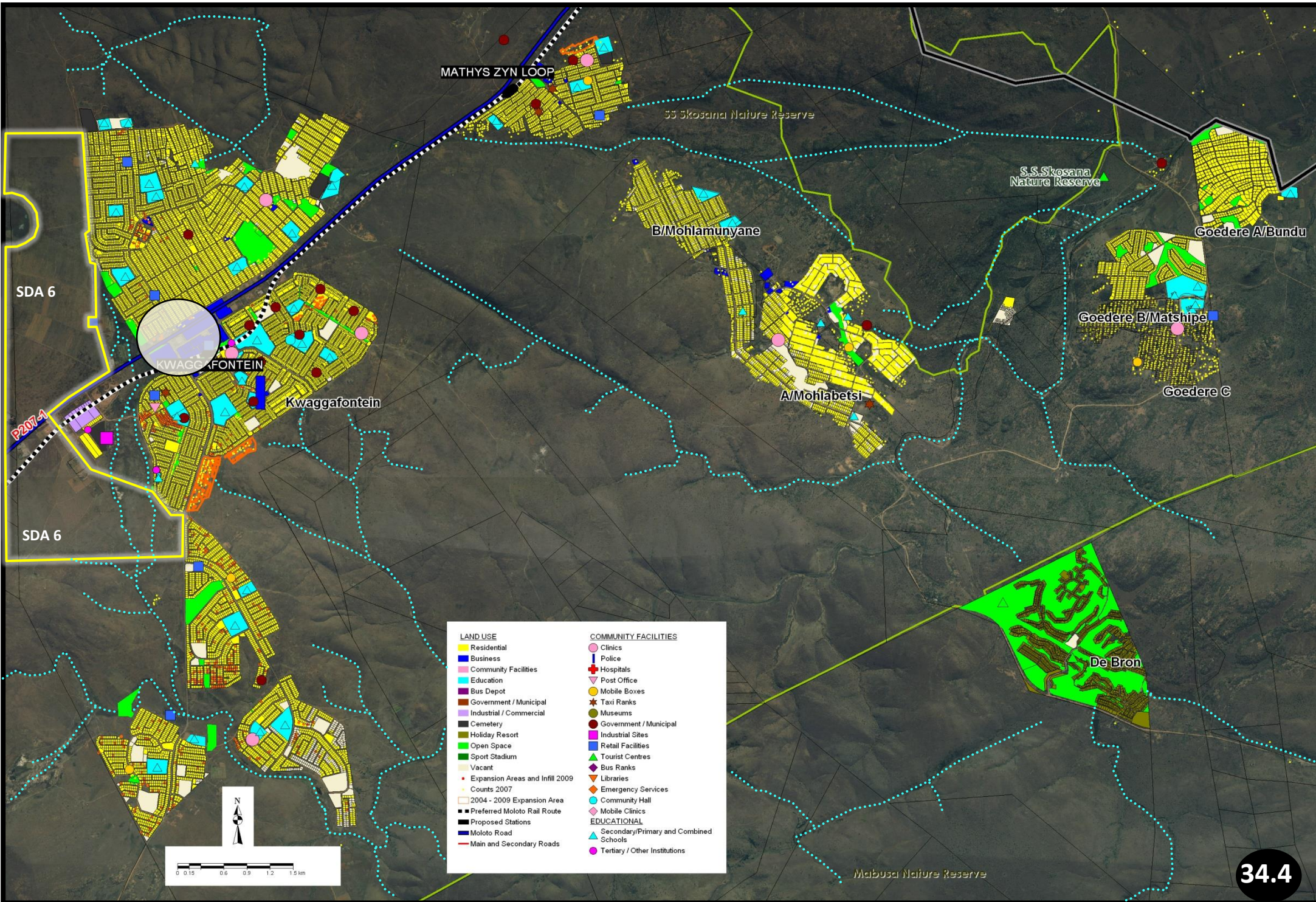


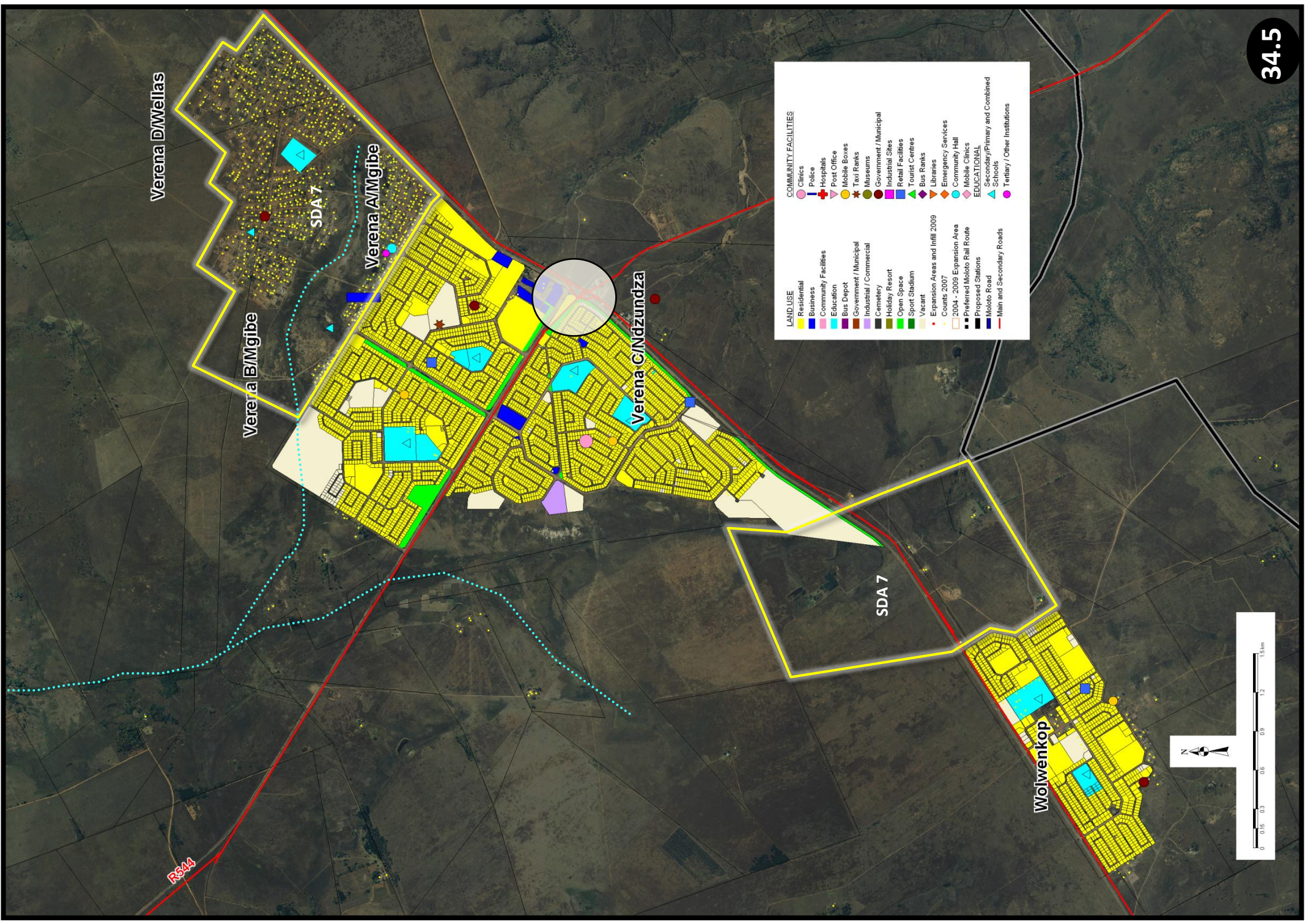
- |                                 |  |
|---------------------------------|--|
| <b>LAND USE</b>                 | <b>COMMUNITY FACILITIES</b>            |
| Residential                     | Clinics                                |
| Business                        | Police                                 |
| Community Facilities            | Hospitals                              |
| Education                       | Post Office                            |
| Bus Depot                       | Mobile Boxes                           |
| Government / Municipal          | Taxi Ranks                             |
| Industrial / Commercial         | Museums                                |
| Cemetery                        | Government / Municipal                 |
| Holiday Resort                  | Industrial Sites                       |
| Open Space                      | Retail Facilities                      |
| Sport Stadium                   | Tourist Centres                        |
| Vacant                          | Bus Ranks                              |
| Expansion Areas and Infill 2009 | Libraries                              |
| Counts 2007                     | Emergency Services                     |
| 2004 - 2009 Expansion Area      | Community Hall                         |
| Preferred Moloto Rail Route     | Mobile Clinics                         |
| Proposed Stations               | <b>EDUCATIONAL</b>                     |
| Moloto Road                     | Secondary/Primary and Combined Schools |
| Main and Secondary Roads        | Tertiary / Other Institutions          |



LAND USE		COMMUNITY FACILITIES	
Residential	Business	Clincs	Police
Community Facilities	Education	Hospitals	Post Office
Bus Depot	Government / Municipal	Mobile Boxes	Taxi Ranks
Industrial / Commercial	Cemetery	Museums	Government / Municipal
Holiday Resort	Open Space	Industrial Sites	Retail Facilities
Sport Stadium	Vacant	Tourist Centres	Bus Ranks
Expansion Areas and Infill 2009	Counts 2007	Libraries	Emergency Services
2004 - 2009 Expansion Area	Preferred Moloto Rail Route	Community Hall	Mobile Clinics
Proposed Stations	Moloto Road	Secondary/Primary and Combined Schools	Tertiary / Other Institutions
Main and Secondary Roads			







Verena B/Wellas

Verena B/Mgibe

Verena A/Mgibe

Verena C/Ndzundza

Wolwenkop

SDA 7

SDA 7

R344

LAND USE	
Residential	Yellow
Business	Blue
Community Facilities	Pink
Education	Light Blue
Bus Depot	Light Purple
Government / Municipal	Light Green
Industrial / Commercial	Light Yellow
Cemetery	Light Brown
Holiday Resort	Light Orange
Open Space	Light Green
Sport Stadium	Light Green
Vacant	Light Green
Expansion Areas and Infill 2009	Light Green
2004 - 2009 Expansion Area	Light Green
Preferred Moloto Rail Route	Light Green
Proposed Stations	Light Green
Moloto Road	Light Green
Main and Secondary Roads	Light Green

COMMUNITY FACILITIES	
Clinics	Light Blue Triangle
Police	Light Blue Triangle
Hospitals	Light Blue Triangle
Post Office	Light Blue Triangle
Mobile Boxes	Light Blue Triangle
Taxi Ranks	Light Blue Triangle
Museums	Light Blue Triangle
Government / Municipal	Light Blue Triangle
Industrial Sites	Light Blue Triangle
Retail Facilities	Light Blue Triangle
Tourist Centres	Light Blue Triangle
Bus Ranks	Light Blue Triangle
Libraries	Light Blue Triangle
Emergency Services	Light Blue Triangle
Community Hall	Light Blue Triangle
Mobile Clinics	Light Blue Triangle
EDUCATIONAL	Light Blue Triangle
Secondary/Primary and Combined Schools	Light Blue Triangle
Tertiary / Other Institutions	Light Blue Triangle



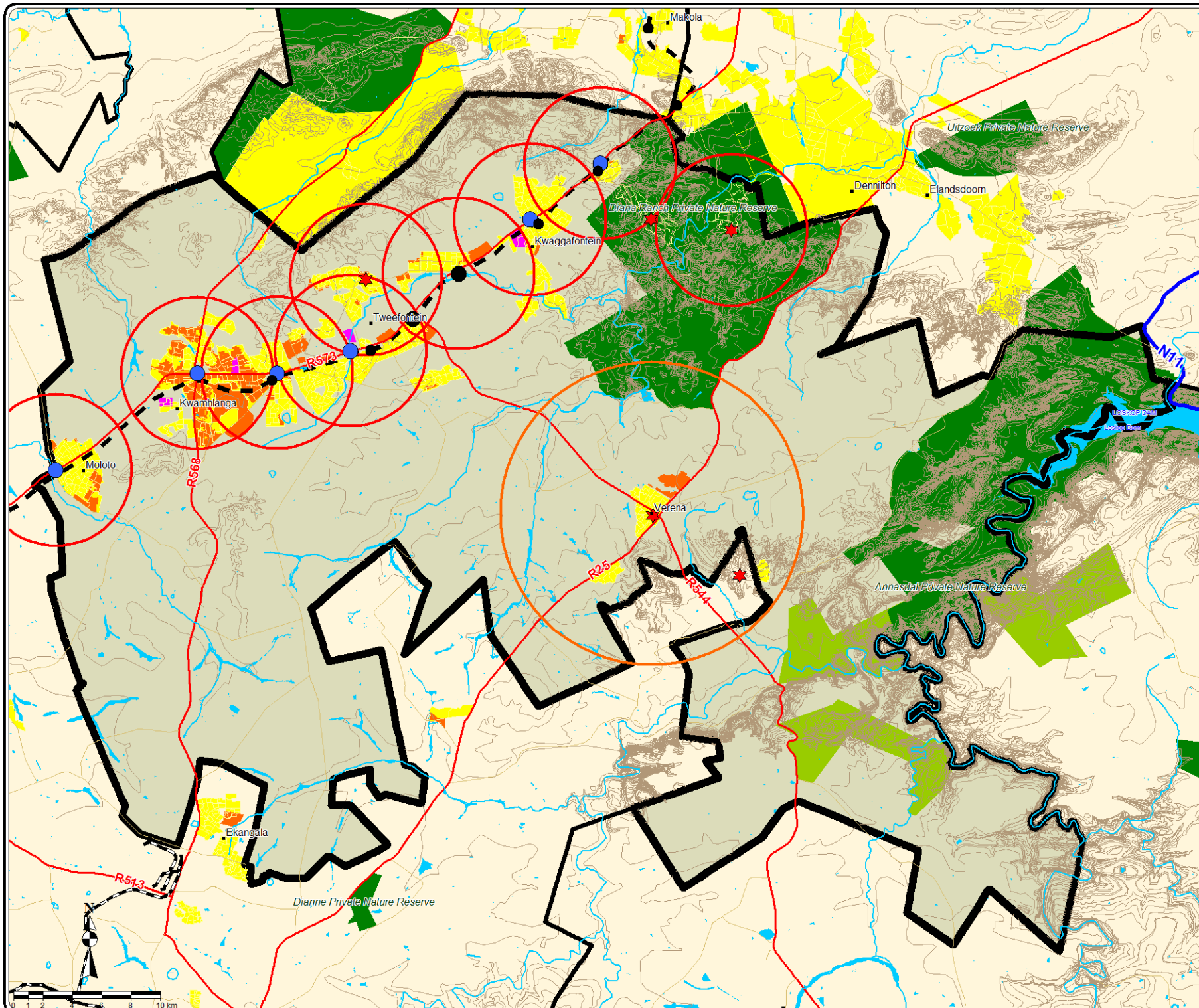


# THEMBISILE HANI LOCAL MUNICIPALITY

## Multi Purpose Service Areas

### Legend

- Towns and Settlements
- Informal Areas
- Proposed Expansion Areas
- TOD Stations / Thusong Centres
- TOD Stations
- Thusong Centres
- 5km Radius
- 10 km Radius
- Industrial Areas
- Nature Reserves
- Conservation Areas
- Mountains and Ridges
- Dams and Rivers
- National Roads
- Main Roads
- Secondary Roads
- Railways
- Proposed Moloto Railway
- Proposed Moloto Stations



**MULTI PURPOSE /  
THUSONG CENTRE**

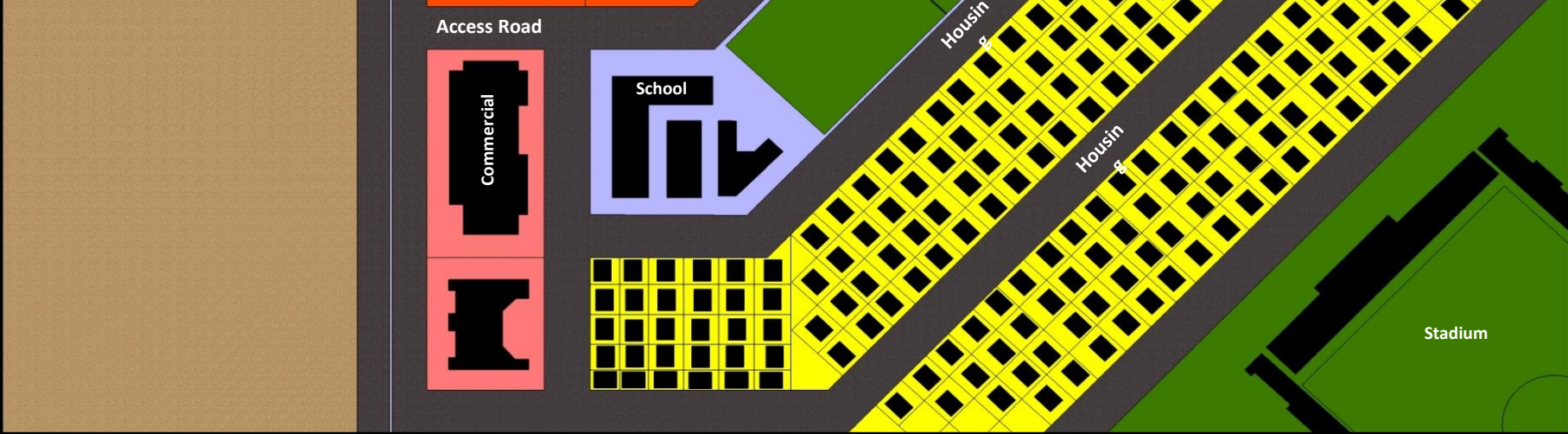
SHORT-TERM

Local Road

MEDIUM-TERM



LONG-TERM



Urban Agriculture  
(Green-Houses)

Bus Depot

R573

### THEMBISILE LM NODAL DEVELOPMENT PRECINCT PLAN MOLOTO NODE A

**LEGEND**

Existing	Proposed
Building Footprints	Formalize Roads
Residential	Formalize Access Points
Business Activity	Railway Line
Mixed Use	Residential Infill Development
Hardware	Business Activity
Urban Agriculture	Home Office / Business
Bus Depot	Urban Agriculture
Sports Facilities	Informal Trading Structures (Temporary Structures)
Wetland	Public Open Space
	Public Square
	Pedestrian Movement Network
	Defined Intersections
	Public Transport Lay-bys
	Public Art/Feature
	Signage



# THEMBISILE LM

## NODAL DEVELOPMENT

### PRECINCT PLAN

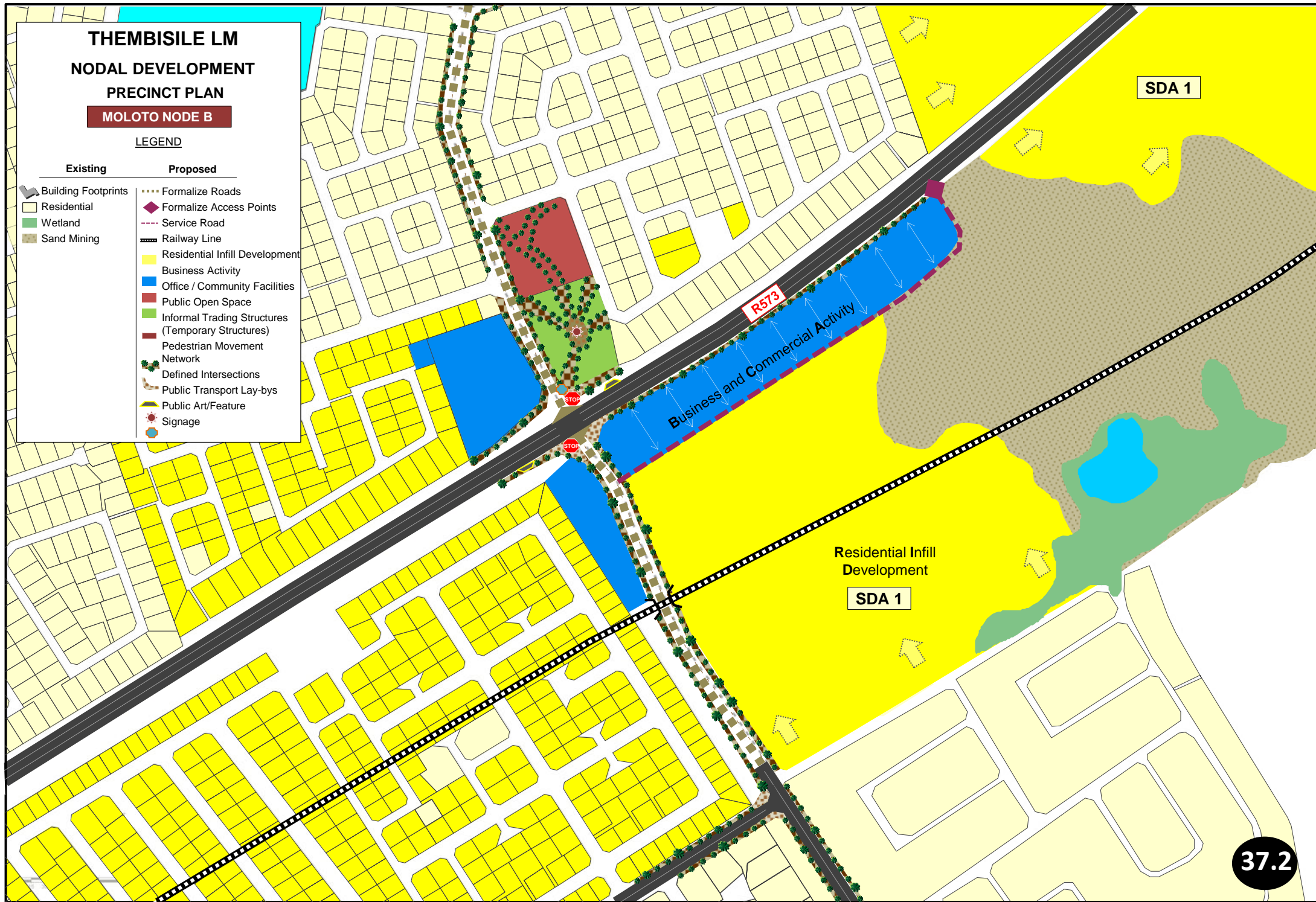
#### MOLOTO NODE B

#### LEGEND

##### Existing

##### Proposed

- Building Footprints
- Residential
- Wetland
- Sand Mining
- Formalize Roads
- Formalize Access Points
- Service Road
- Railway Line
- Residential Infill Development
- Business Activity
- Office / Community Facilities
- Public Open Space
- Informal Trading Structures (Temporary Structures)
- Pedestrian Movement Network
- Defined Intersections
- Public Transport Lay-bys
- Public Art/Feature
- Signage



# THEMBISILE LM NODAL DEVELOPMENT PRECINCT PLAN

## KWAMHLANGA NODE

### LEGEND

#### Existing

- Building Footprints
- Residential
- Medium Density Residential
- Business Activity
- Hardware/Building Material
- Motor Related Services
- Government / Municipality
- Taxi Rank
- Formalized Informal Trading
- Public Transport Lay-bys
- Wetland

#### Proposed

- Service Road
- Access Points
- Subdivide Road Reserve
- Business Activity
- Medium Density Residential
- Service Industries / Hardware
- Government / Municipality
- Informal Trading Structures (Temporary Structures)
- Public Open Space
- Pedestrian Movement Network
- Defined Intersections
- Public Art/Feature
- Signage

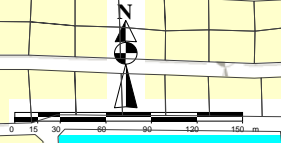
Promote Integration between the north-eastern residential area to the Economic Area and surrounding residential areas through a defined pedestrian movement network.

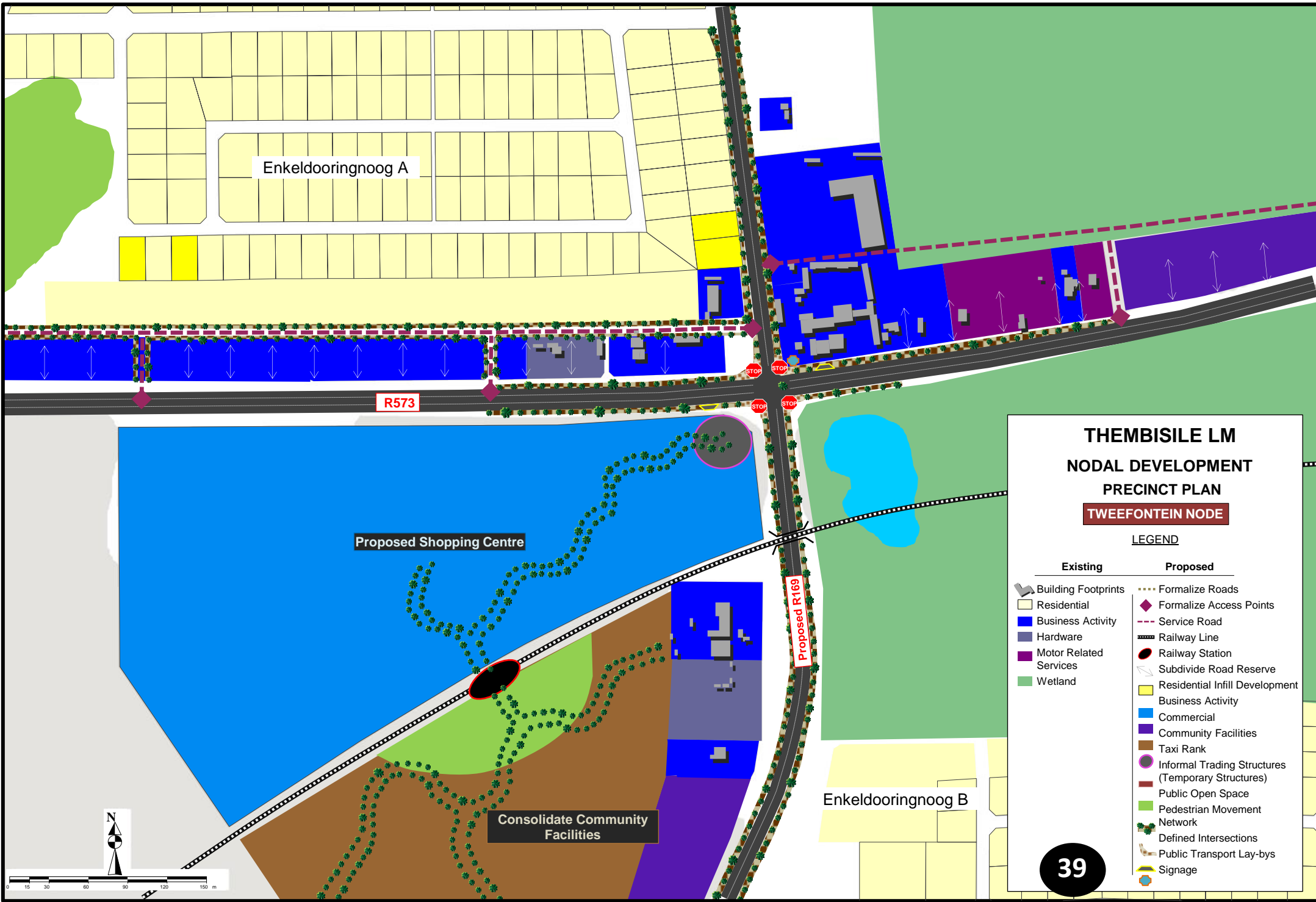
Consolidate Future Community Facilities to cluster close to the Core Economic Activity and Existing Community Facilities

Shopping Centre

Testing Centre

Encourage Medium Residential Development closer to Business Activity

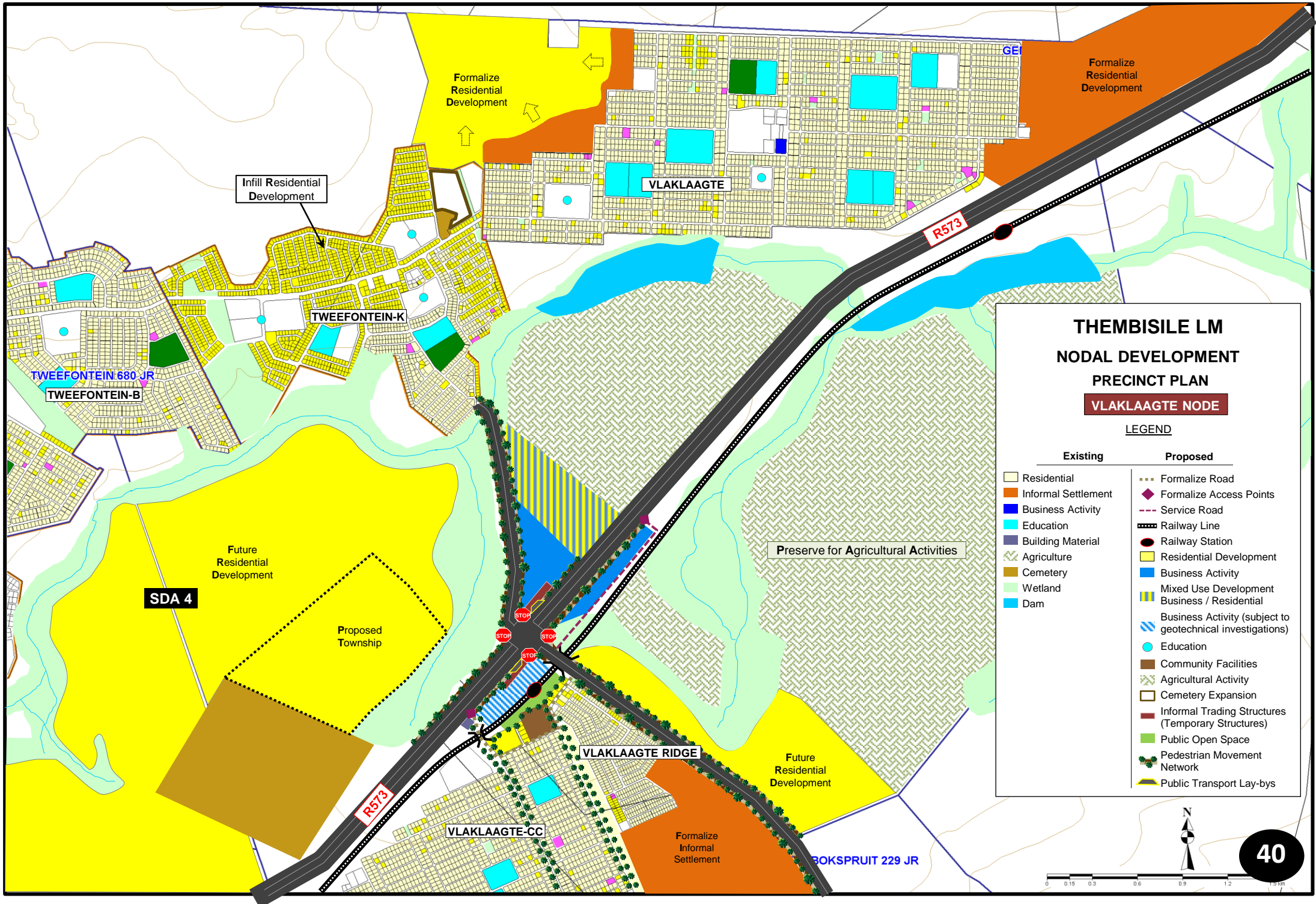




**THEMBISILE LM  
 NODAL DEVELOPMENT  
 PRECINCT PLAN  
 TWEEFONTEIN NODE**

**LEGEND**

Existing	Proposed
Building Footprints	Formalize Roads
Residential	Formalize Access Points
Business Activity	Service Road
Hardware	Railway Line
Motor Related Services	Railway Station
Wetland	Subdivide Road Reserve
	Residential Infill Development
	Business Activity
	Commercial
	Community Facilities
	Taxi Rank
	Informal Trading Structures (Temporary Structures)
	Public Open Space
	Pedestrian Movement Network
	Defined Intersections
	Public Transport Lay-bys
	Signage



**THEMBISILE LM  
NODAL DEVELOPMENT  
PRECINCT PLAN**

**VLAKLAAGTE NODE**

**LEGEND**

Existing	Proposed
Residential	Formalize Road
Informal Settlement	Formalize Access Points
Business Activity	Service Road
Education	Railway Line
Building Material	Railway Station
Agriculture	Residential Development
Cemetery	Business Activity
Wetland	Mixed Use Development Business / Residential
Dam	Business Activity (subject to geotechnical investigations)
	Education
	Community Facilities
	Agricultural Activity
	Cemetery Expansion
	Informal Trading Structures (Temporary Structures)
	Public Open Space
	Pedestrian Movement Network
	Public Transport Lay-bys



**40**

# THEMBISILE LM

## NODAL DEVELOPMENT PRECINCT PLAN

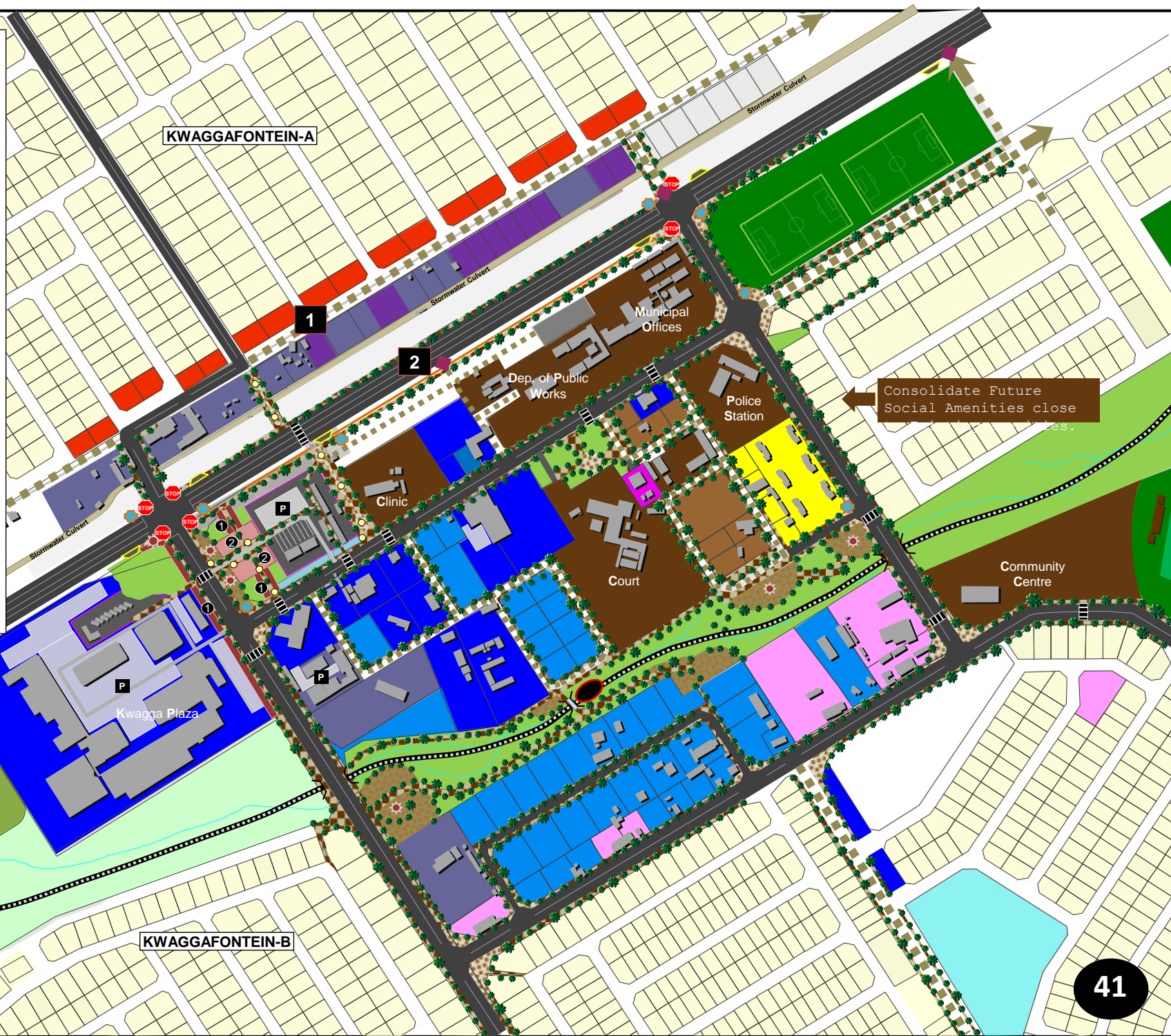
### KWAGGAFONTEIN NODE

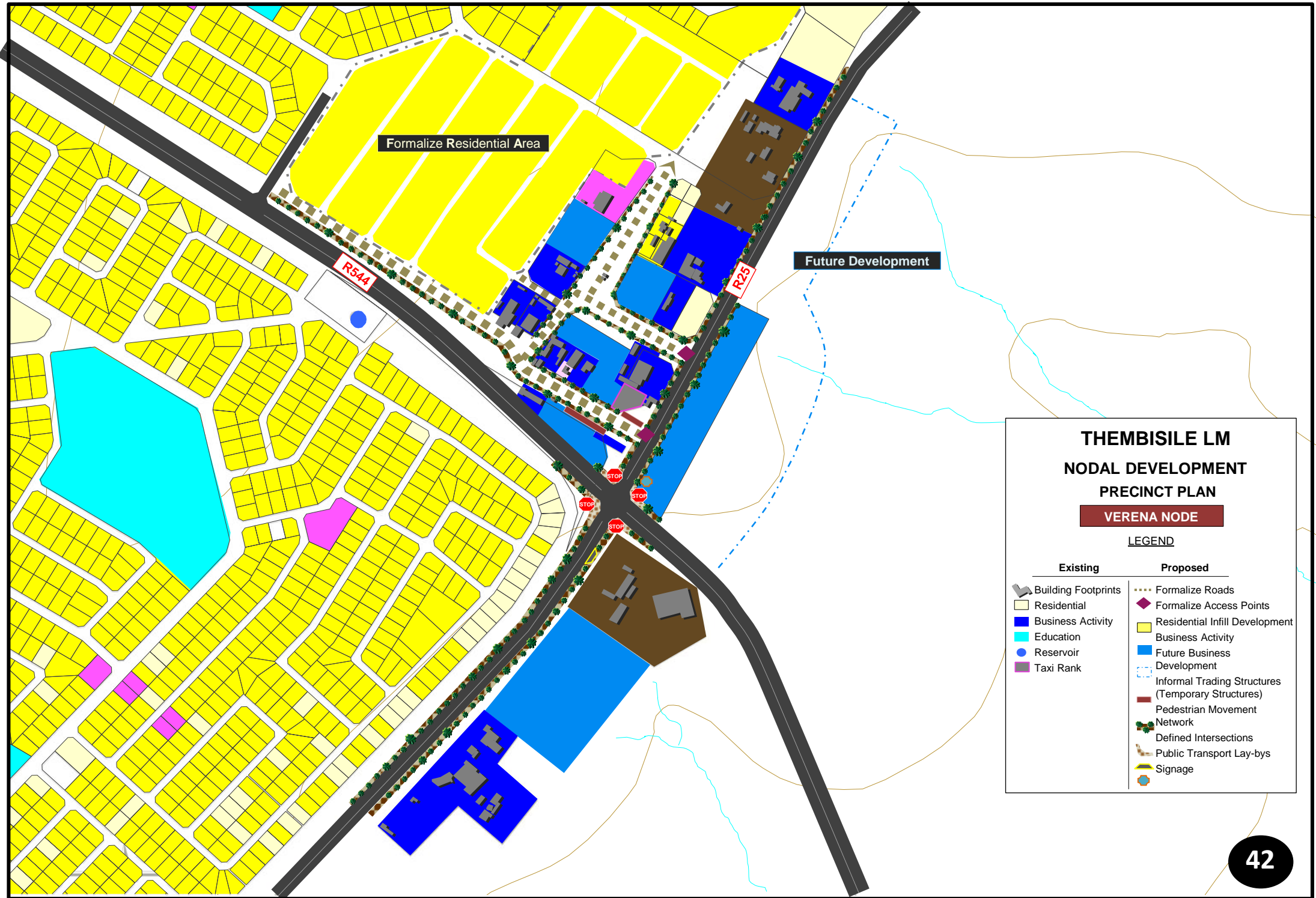
#### LEGEND

##### Existing

##### Proposed

- |                                       |  |
|---------------------------------------|--|
| Building Footprints                   | Formalize Access Point                             |
| Residential                           | Formalize Roads                                    |
| Police Station Residence              | Railway Line                                       |
| Business Activity                     | Railway Station                                    |
| Hardware                              | Business Activity                                  |
| Government / Municipality             | Government / Municipality                          |
| Home Offices / Small Scale Businesses | Informal Trading Structures (Temporary Structures) |
| Taxi Rank                             | Informal Trading Structures (Permanent Structures) |
| Medical / Health                      | Urban Agriculture                                  |
| Religious                             | Public Open Space                                  |
| Urban Agriculture                     | Public Square                                      |
| Sports Facilities                     | Pedestrian Movement Network                        |
| Wetland                               | Street Lighting                                    |
| River                                 | Defined Intersections                              |
|                                       | Public Transport Lay-bys                           |
|                                       | Public Art/Feature                                 |
|                                       | Signage  |





Formalize Residential Area

R54A

R25

Future Development

### THEMBISILE LM NODAL DEVELOPMENT PRECINCT PLAN

**VERENA NODE**

#### LEGEND

Existing	Proposed
Building Footprints	Formalize Roads
Residential	Formalize Access Points
Business Activity	Residential Infill Development
Education	Business Activity
Reservoir	Future Business Development
Taxi Rank	Informal Trading Structures (Temporary Structures)
	Pedestrian Movement Network
	Defined Intersections
	Public Transport Lay-bys
	Signage

# THLM SDF IMPLEMENTATION STRATEGY

