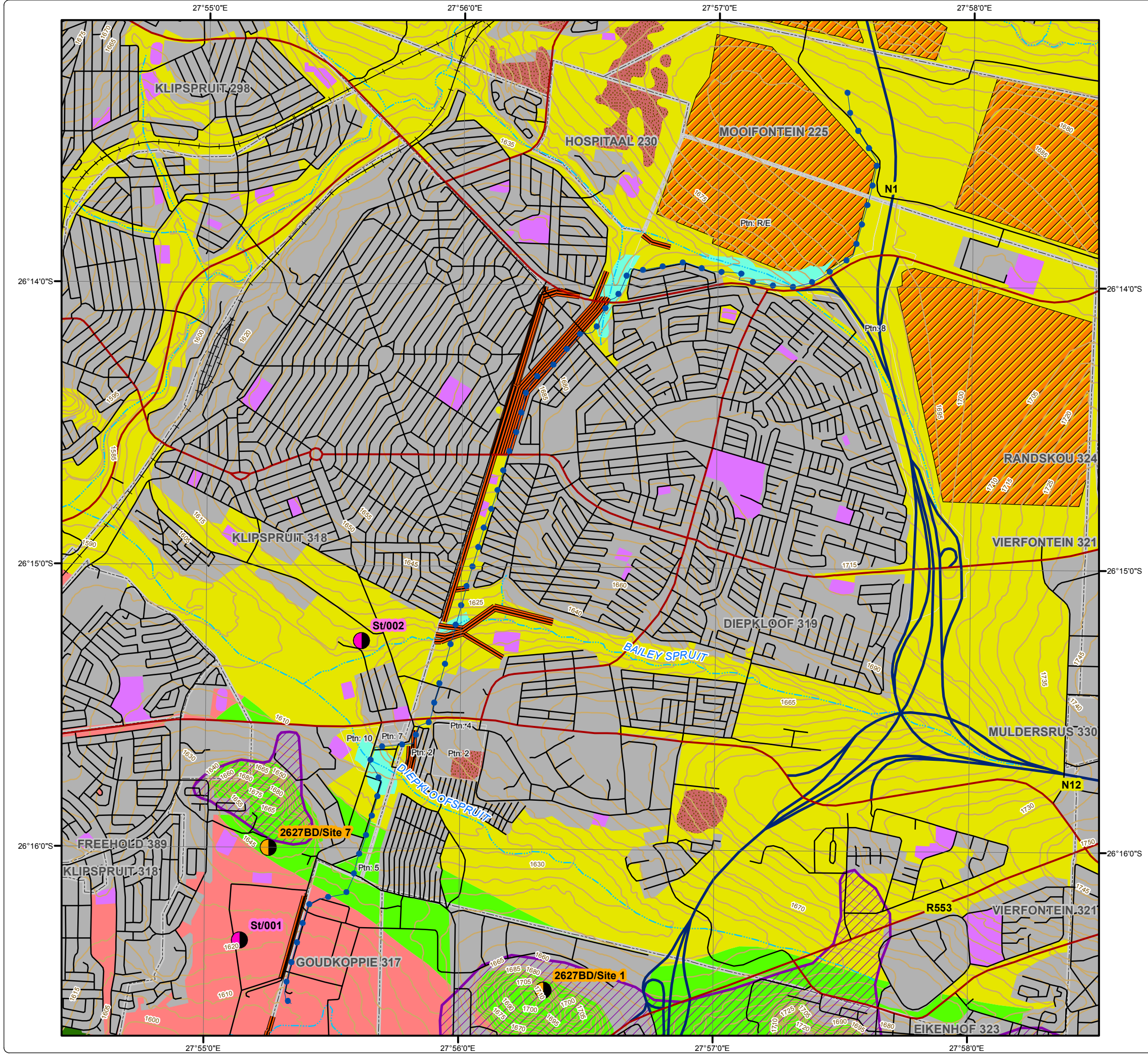


# Ergo Goudkoppies Pipeline

## Route Plan



### Legend

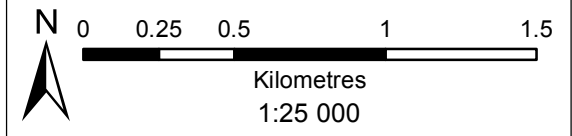
- Proposed Water Pipeline
- Arterial / National Route
- Main Road
- Minor Road
- Railway Line
- Non-Perennial Stream
- Contours (5m)
- Servitudes
- Farm Portions
- Parent Farms
- Heritage Resources**
  - Religious
  - Structure
- Artificial Surface Area**
  - Digging
  - Slimes Dam
- Gauteng Ridges**
  - Ridge
- Mucina & Rutherford, 2006**
  - Andesite Mountain Bushveld
  - Soweto Highveld Grassland
  - Tsakane Clay Grassland
- Wetland Delineation**
  - Channelled Valley Bottom
- Land Use**
  - Golf Course
  - High Urban Density
  - Recreation Area



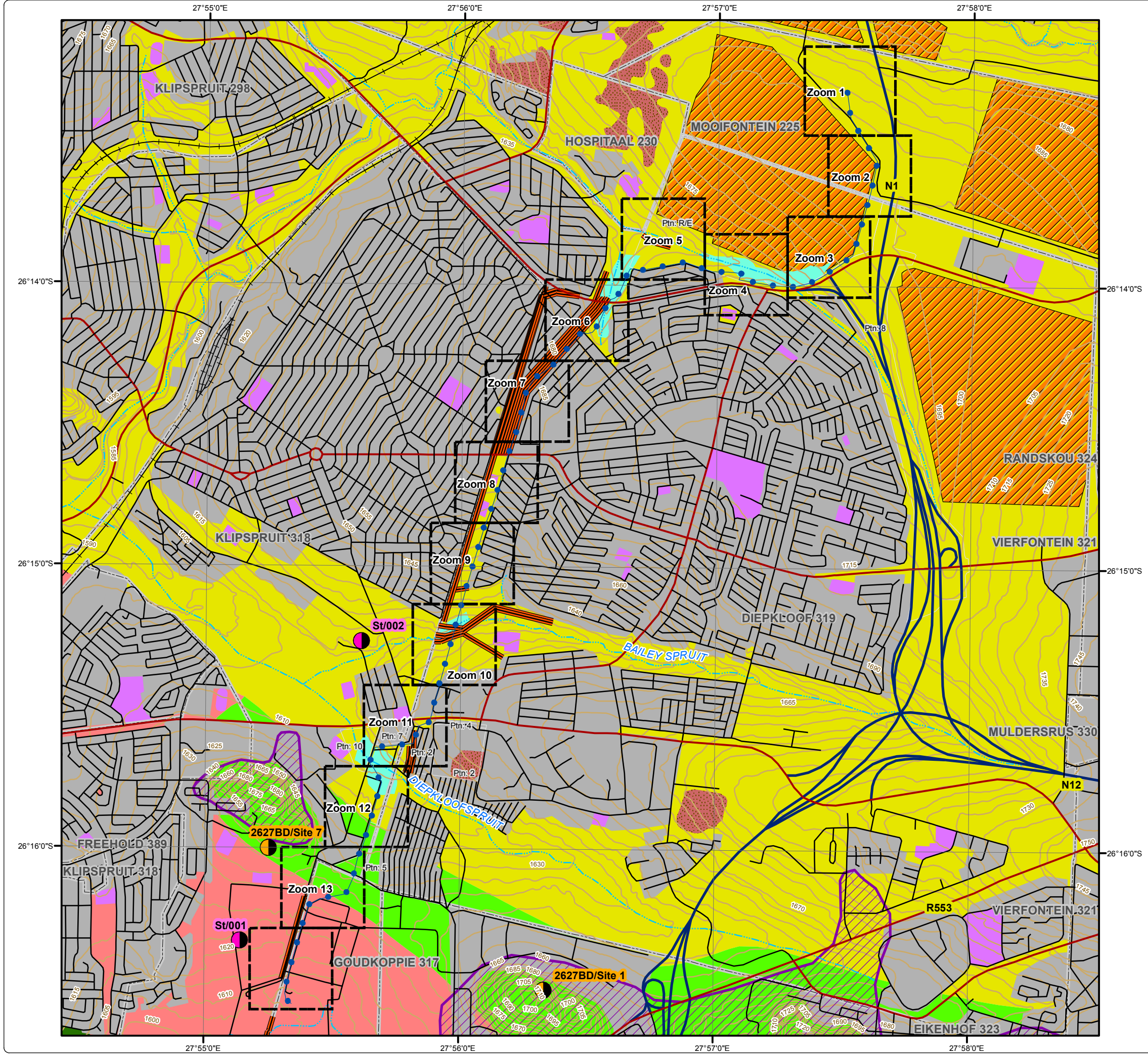
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Projection: Transverse Mercator Datum: WGS 1984 Central Meridian: 27°E Ref #: sdp.ERG3057.201412.058 Revision Number: 1 Date: 17/12/2014



# Ergo Goudkoppies Pipeline Route Plan with Zoom Extents



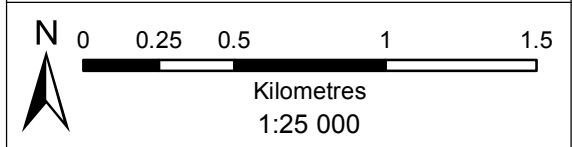
### Legend

- Zoom Extents
- Proposed Water Pipeline
- Arterial / National Route
- Main Road
- Minor Road
- Railway Line
- Non-Perennial Stream
- Contours (5m)
- Servitudes
- Farm Portions
- Parent Farms
- Heritage Resources**
- Religious
- Structure
- Artificial Surface Area**
- Digging
- Slimes Dam
- Gauteng Ridges**
- Ridge
- Mucina & Rutherford, 2006**
- Andesite Mountain Bushveld
- Soweto Highveld Grassland
- Tsakane Clay Grassland
- Wetland Delineation**
- Channelled Valley Bottom
- Land Use**
- Golf Course
- High Urban Density
- Recreation Area



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Projection: Transverse Mercator      Ref #: sdp.ERG3057.201412.058  
 Datum: WGS 1984                              Revision Number: 1  
 Central Meridian: 27°E                        Date: 17/12/2014



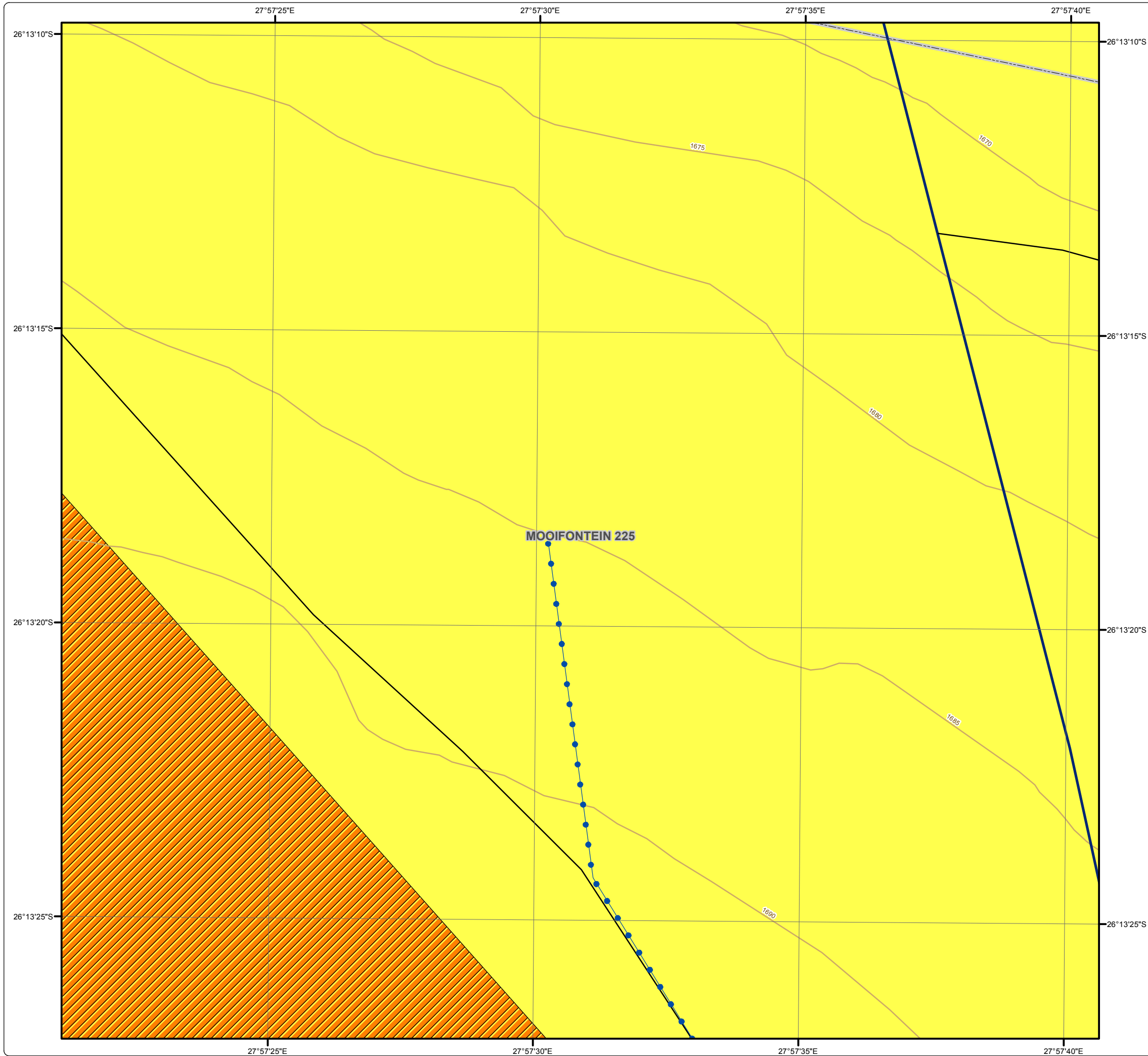
# Ergo Goudkoppies Pipeline

## Route Plan

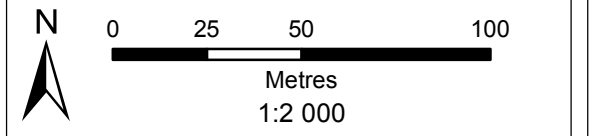
### Zoom 1

#### Legend

- Proposed Water Pipeline
- Arterial / National Route
- Minor Road
- Contours (5m)
- Farm Portions
- Parent Farms
- Artificial Surface Area**
- Slimes Dam
- Mucina & Rutherford, 2006**
- Soweto Highveld Grassland











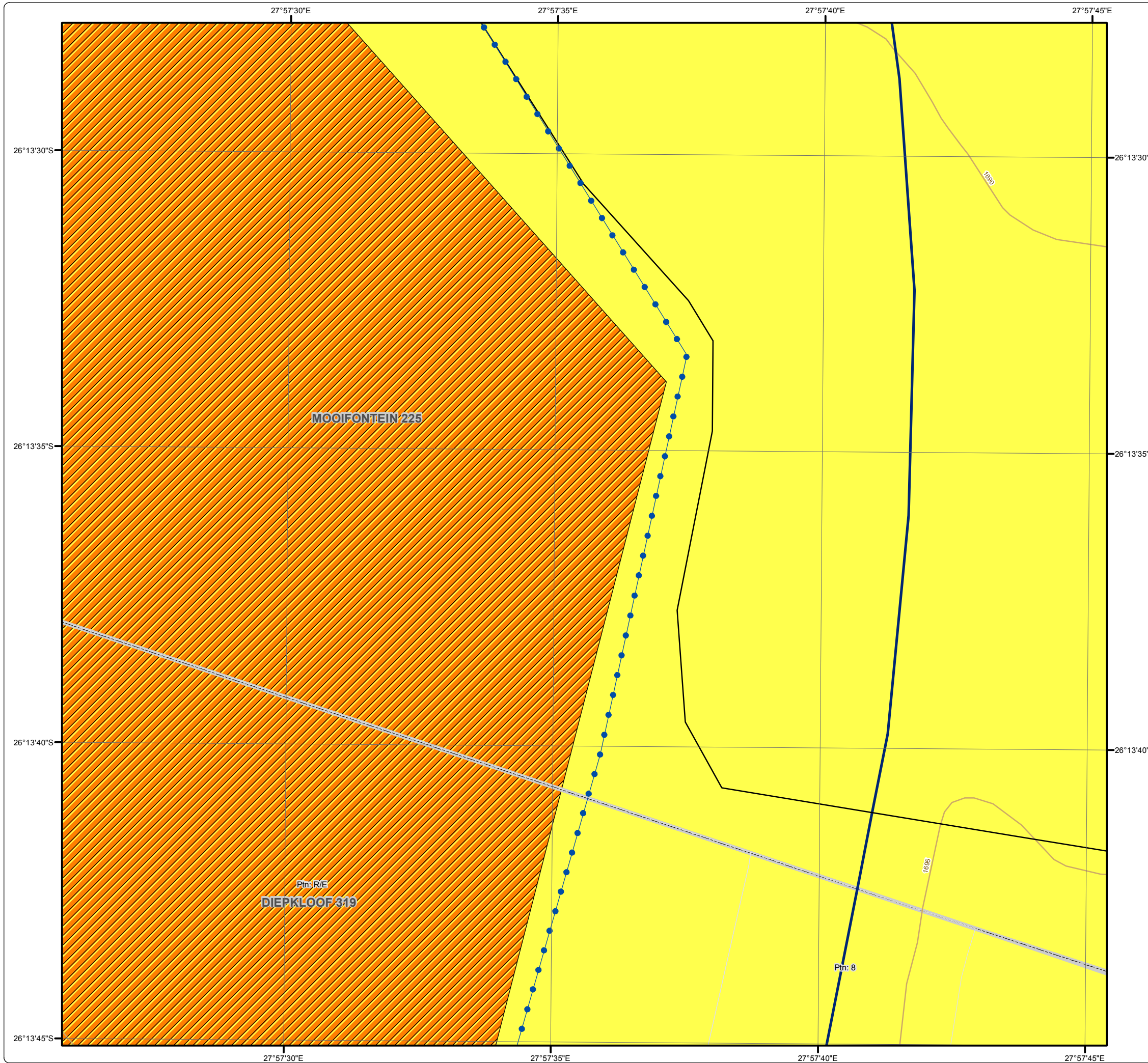
Projection: Transverse Mercator    Ref #: sdp.ERG3057.201501.017  
 Datum: WGS 1984    Revision Number: 1  
 Central Meridian: 27°E    Date: 13/01/2015




# Ergo Goudkoppies Pipeline Route Plan Zoom 2

### Legend

-  Proposed Water Pipeline
-  Arterial / National Route
-  Minor Road
-  Contours (5m)
-  Farm Portions
-  Parent Farms
- Artificial Surface Area**
-  Slimes Dam
- Mucina & Rutherford, 2006**
-  Soweto Highveld Grassland

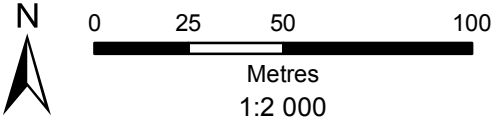




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Projection: Transverse Mercator    Ref #: sdp.ERG3057.201501.018  
 Datum: WGS 1984    Revision Number: 1  
 Central Meridian: 27°E    Date: 13/01/2015















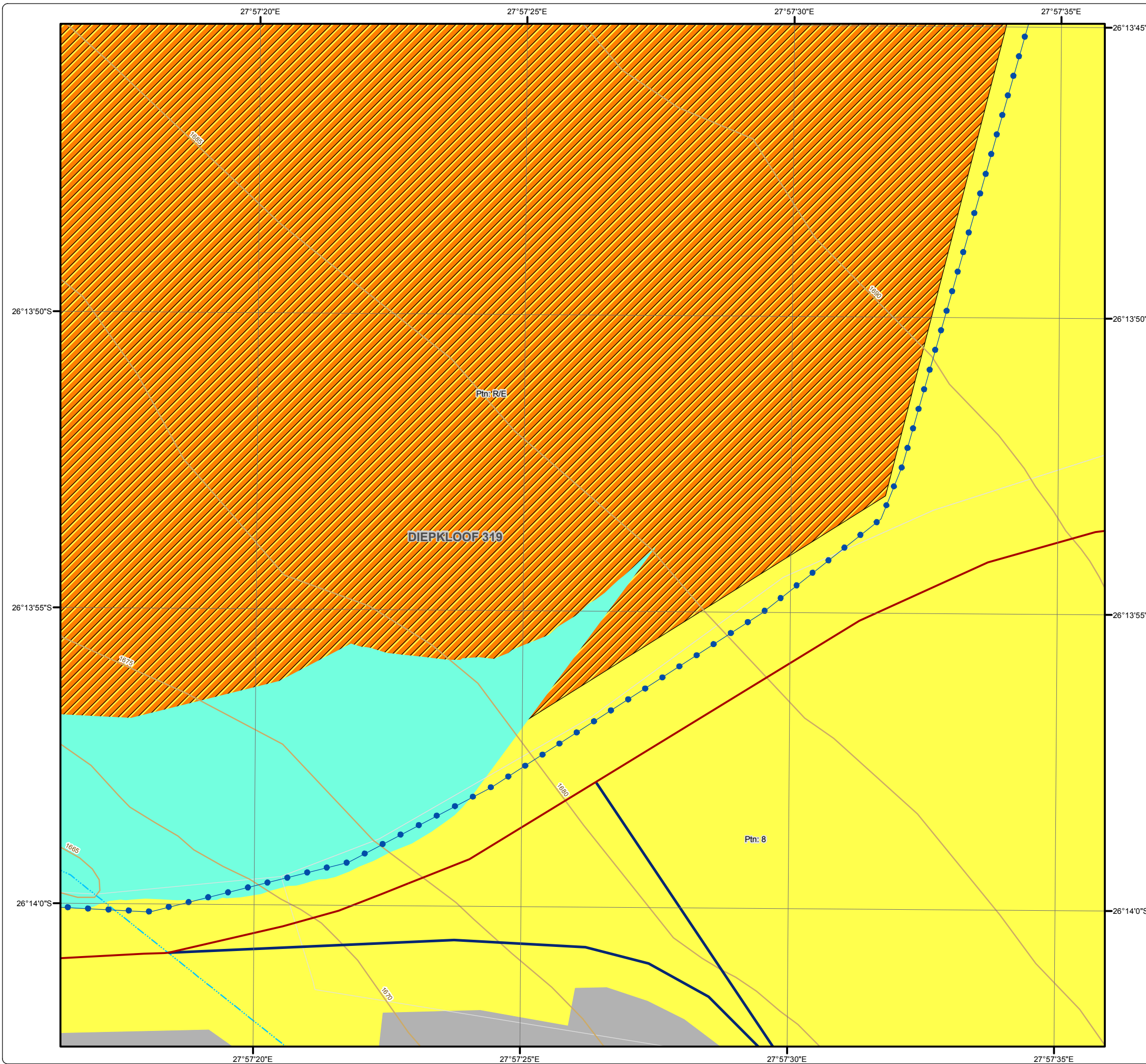
0    25    50    100  
Metres  
1:2 000

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# Ergo Goudkoppies Pipeline Route Plan Zoom 3

## Legend

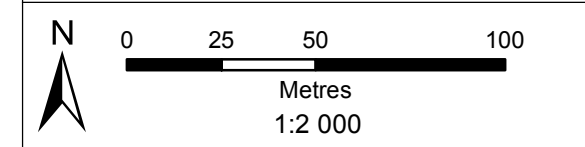
-  Proposed Water Pipeline
-  Arterial / National Route
-  Main Road
-  Minor Road
-  Non-Perennial Stream
-  Contours (5m)
-  Farm Portions
-  Parent Farms
- Artificial Surface Area**
-  Slimes Dam
- Mucina & Rutherford, 2006**
-  Soweto Highveld Grassland
- Wetland Delineation**
-  Channelled Valley Bottom
- Land Use**
-  High Urban Density



  
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Projection: Transverse Mercator      Ref #: sdp.ERG3057.201501.019  
 Datum: WGS 1984                              Revision Number: 1  
 Central Meridian: 27°E                        Date: 13/01/2015



# Ergo Goudkoppies Pipeline Route Plan Zoom 4

## Legend

- Proposed Water Pipeline
- Main Road
- Minor Road
- Non-Perennial Stream
- Contours (5m)
- Farm Portions
- Parent Farms

### Artificial Surface Area

- Slimes Dam

### Mucina & Rutherford, 2006

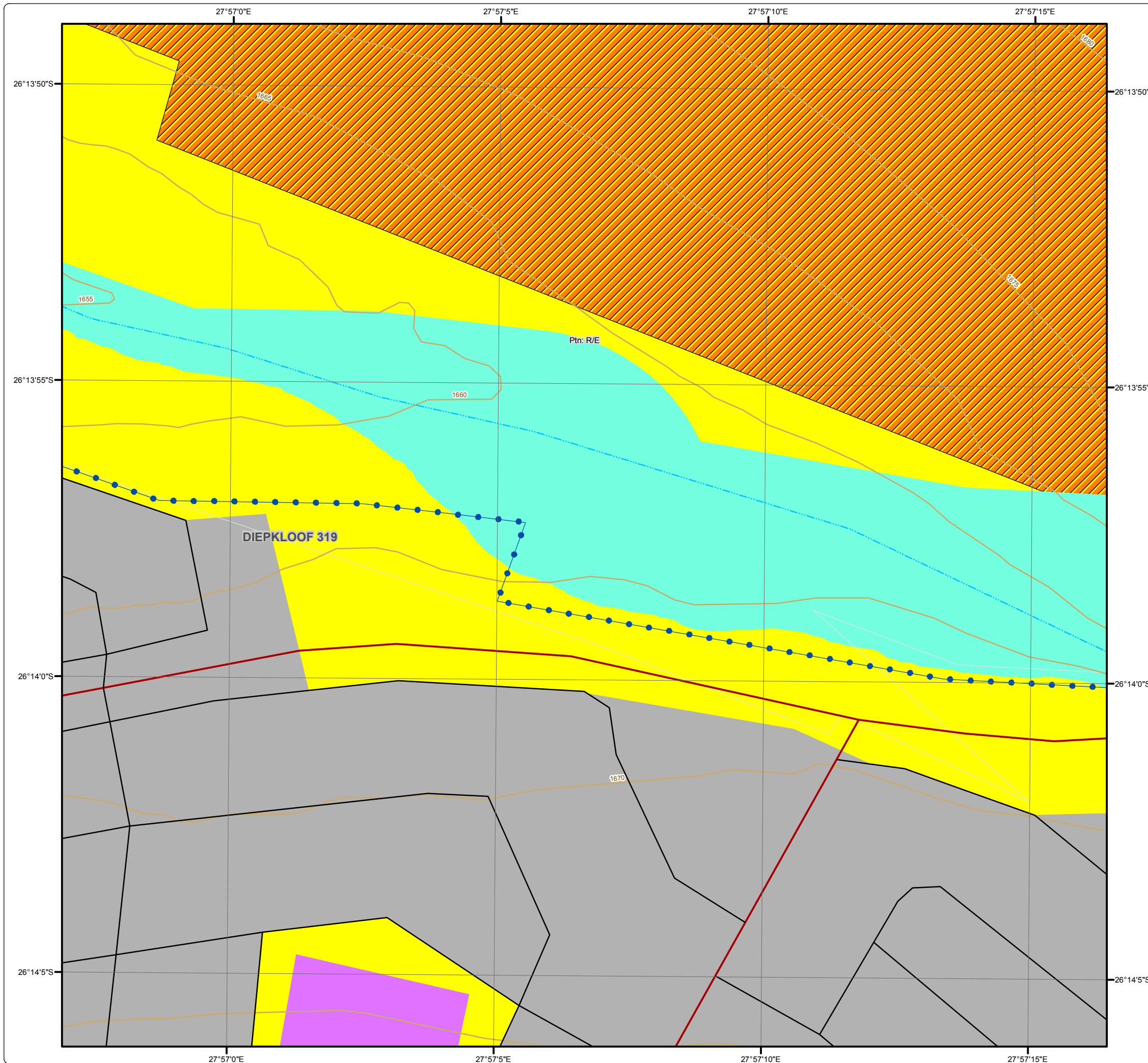
- Soweto Highveld Grassland

### Wetland Delineation

- Channelled Valley Bottom

### Land Use

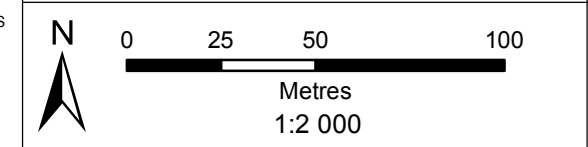
- High Urban Density
- Recreation Area



  
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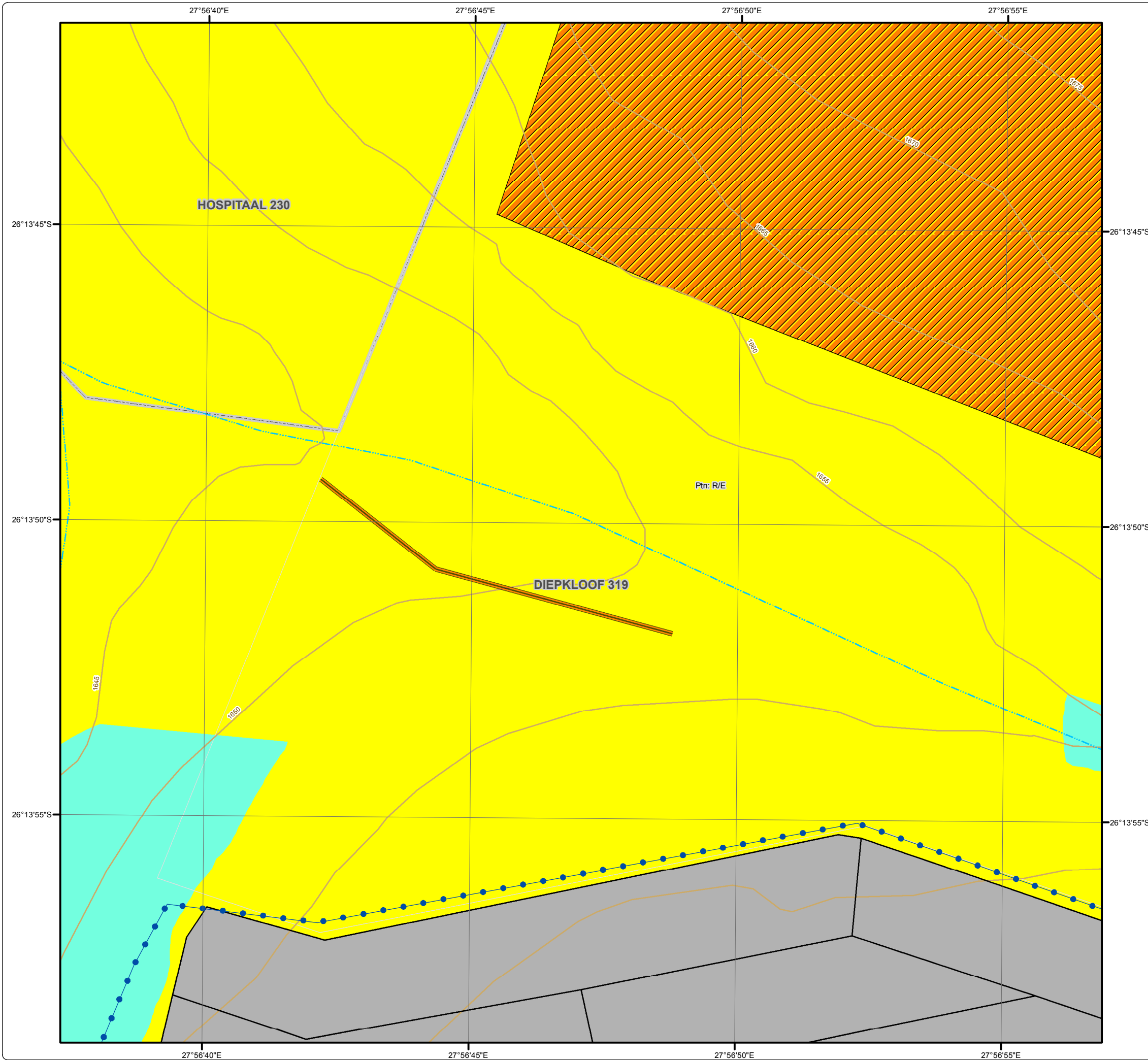
Projection: Transverse Mercator      Ref #: sdp.ERG3057.201501.020  
 Datum: WGS 1984                              Revision Number: 1  
 Central Meridian: 27°E                        Date: 13/01/2015



# Ergo Goudkoppies Pipeline Route Plan Zoom 5

## Legend

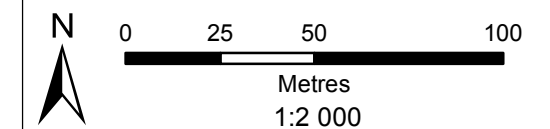
- Proposed Water Pipeline
- Minor Road
- Non-Perennial Stream
- Contours (5m)
- Servitudes
- Farm Portions
- Parent Farms
- Artificial Surface Area**
  - Slimes Dam
- Mucina & Rutherford, 2006**
  - Soweto Highveld Grassland
- Wetland Delineation**
  - Channelled Valley Bottom
- Land Use**
  - High Urban Density
  - Recreation Area



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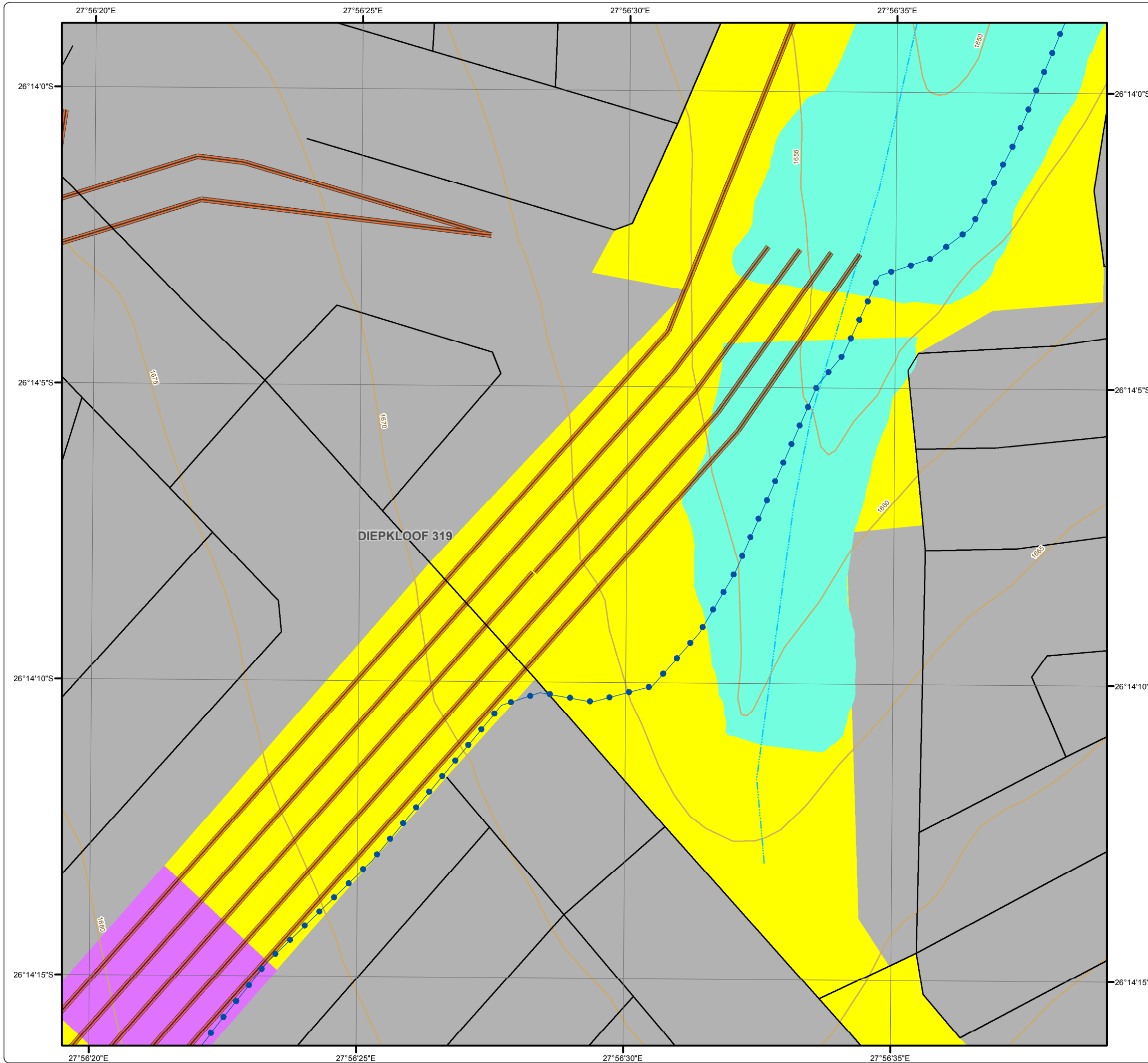
Projection: Transverse Mercator	Ref #: sdp.ERG3057.201501.021
Datum: WGS 1984	Revision Number: 1
Central Meridian: 27°E	Date: 13/01/2015



# Ergo Goudkoppies Pipeline Route Plan Zoom 6

## Legend

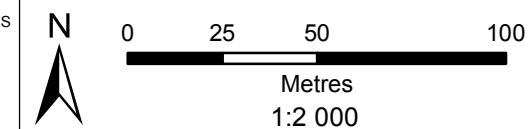
-  Proposed Water Pipeline
-  Minor Road
-  Non-Perennial Stream
-  Contours (5m)
-  Servitudes
-  Farm Portions
-  Parent Farms
- Mucina & Rutherford, 2006**
-  Soweto Highveld Grassland
- Wetland Delineation**
-  Channelled Valley Bottom
- Land Use**
-  High Urban Density
-  Recreation Area



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Projection: Transverse Mercator	Ref #: sdp.ERG3057.201412.058
Datum: WGS 1984	Revision Number: 1
Central Meridian: 27°E	Date: 13/01/2015





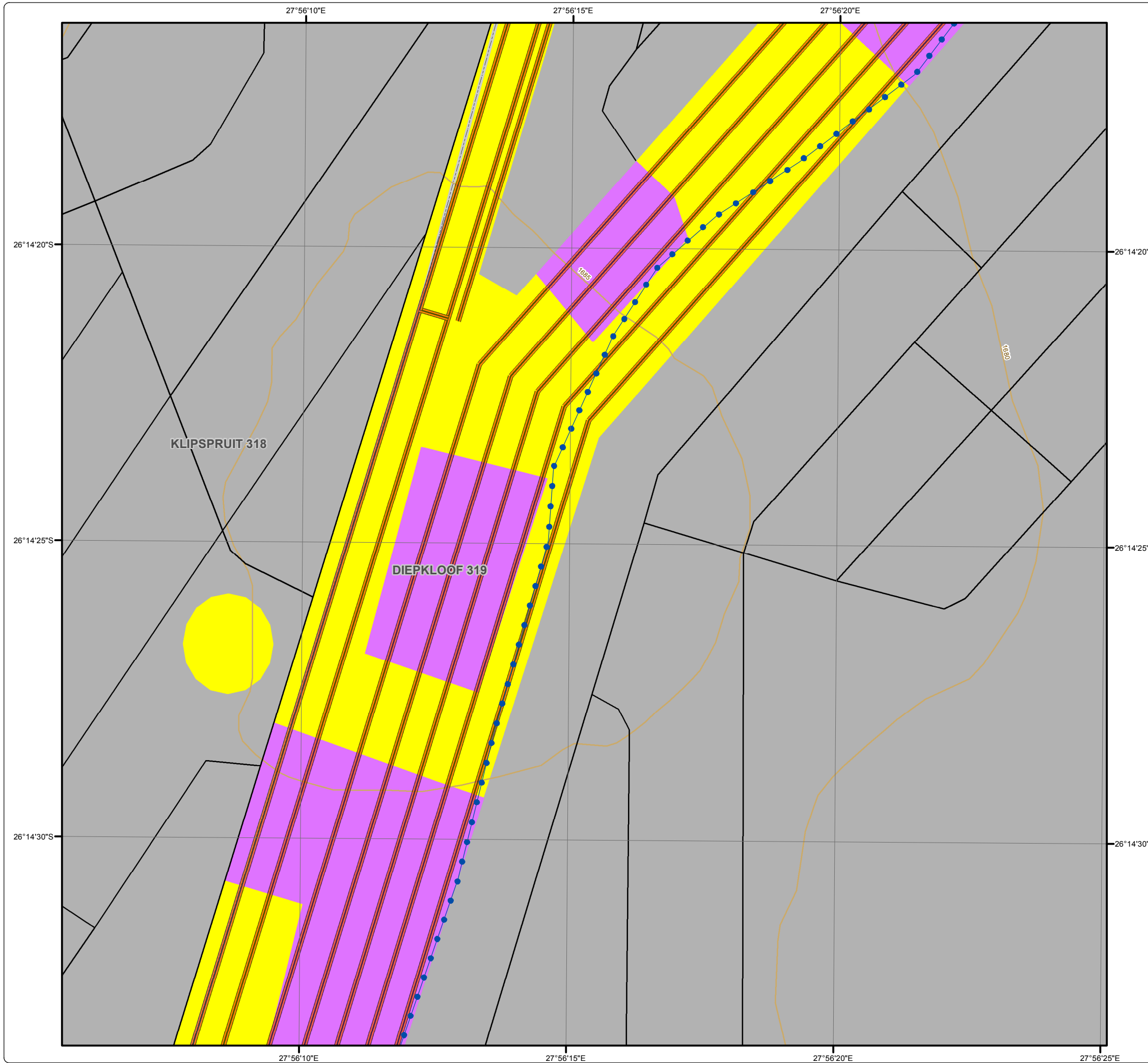
# Ergo Goudkoppies Pipeline

## Route Plan

### Zoom 7

#### Legend

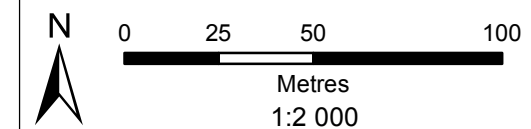
- Proposed Water Pipeline
- Minor Road
- Contours (5m)
- Servitudes
- Farm Portions
- Parent Farms
- Mucina & Rutherford, 2006**
- Soweto Highveld Grassland
- Land Use**
- High Urban Density
- Recreation Area



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Projection: Transverse Mercator	Ref #: sdp.ERG3057.201501.023
Datum: WGS 1984	Revision Number: 1
Central Meridian: 27°E	Date: 13/01/2015



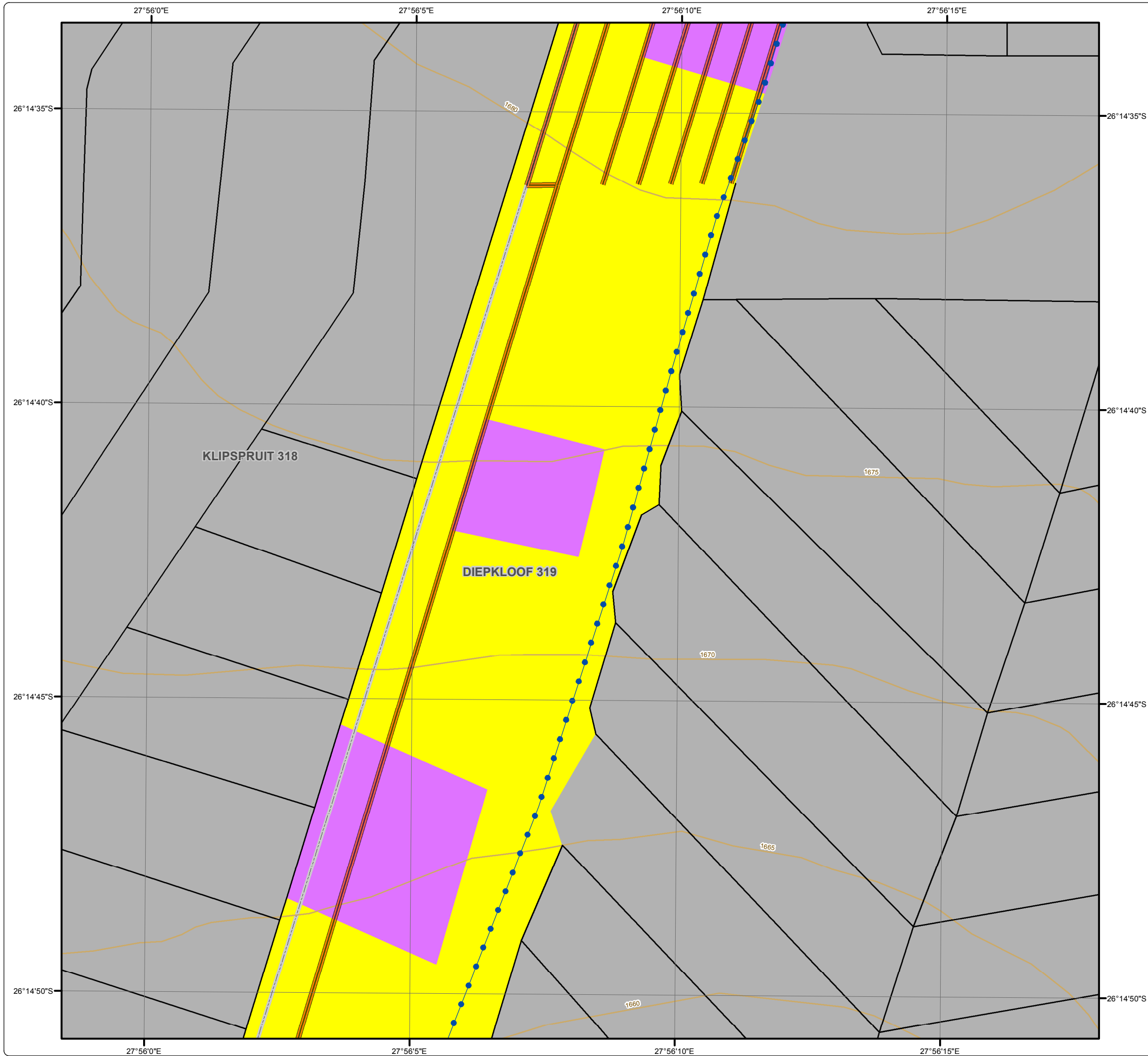
# Ergo Goudkoppies Pipeline

## Route Plan

### Zoom 8

#### Legend

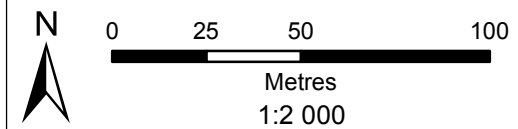
- Proposed Water Pipeline
  - Minor Road
  - Contours (5m)
  - Servitudes
  - Farm Portions
  - Parent Farms
- Mucina & Rutherford, 2006**
- Soweto Highveld Grassland
- Land Use**
- High Urban Density
  - Recreation Area



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Projection: Transverse Mercator      Ref #: sdp.ERG3057.201501.024  
 Datum: WGS 1984                              Revision Number: 1  
 Central Meridian: 27°E                        Date: 13/01/2015



# Ergo Goudkoppies Pipeline Route Plan Zoom 9

## Legend

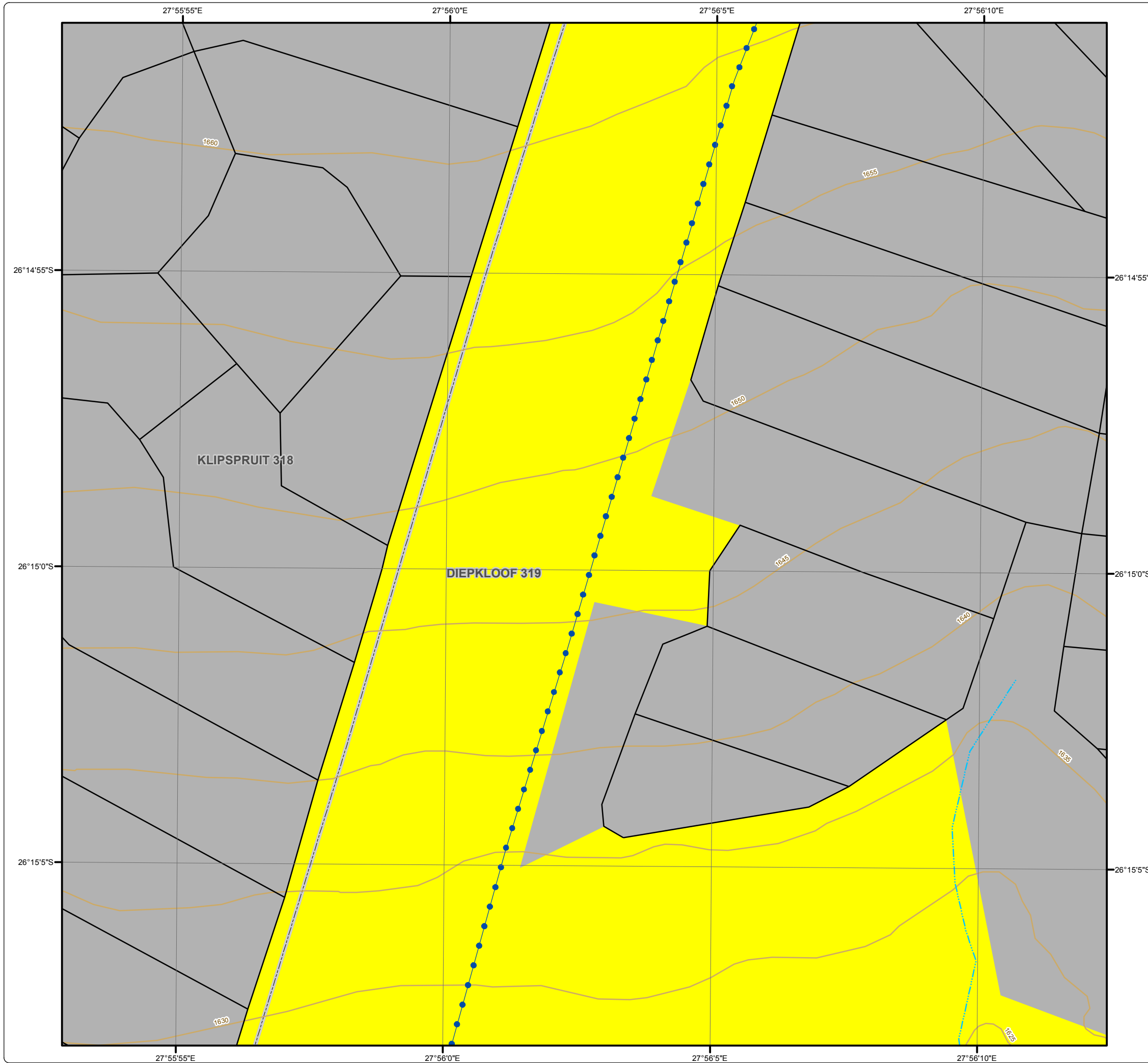
- Proposed Water Pipeline
- Minor Road
- Non-Perennial Stream
- Contours (5m)
- Farm Portions
- Parent Farms

### Mucina & Rutherford, 2006

- Soweto Highveld Grassland

### Land Use

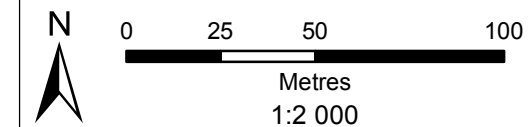
- High Urban Density



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Projection: Transverse Mercator	Ref #: sdp.ERG3057.201501.025
Datum: WGS 1984	Revision Number: 1
Central Meridian: 27°E	Date: 13/01/2015



# Ergo Goudkoppies Pipeline Route Plan Zoom 10

### Legend

- Proposed Water Pipeline
- Minor Road
- Non-Perennial Stream
- Contours (5m)
- Servitudes
- Farm Portions
- Parent Farms

### Mucina & Rutherford, 2006

Soweto Highveld Grassland

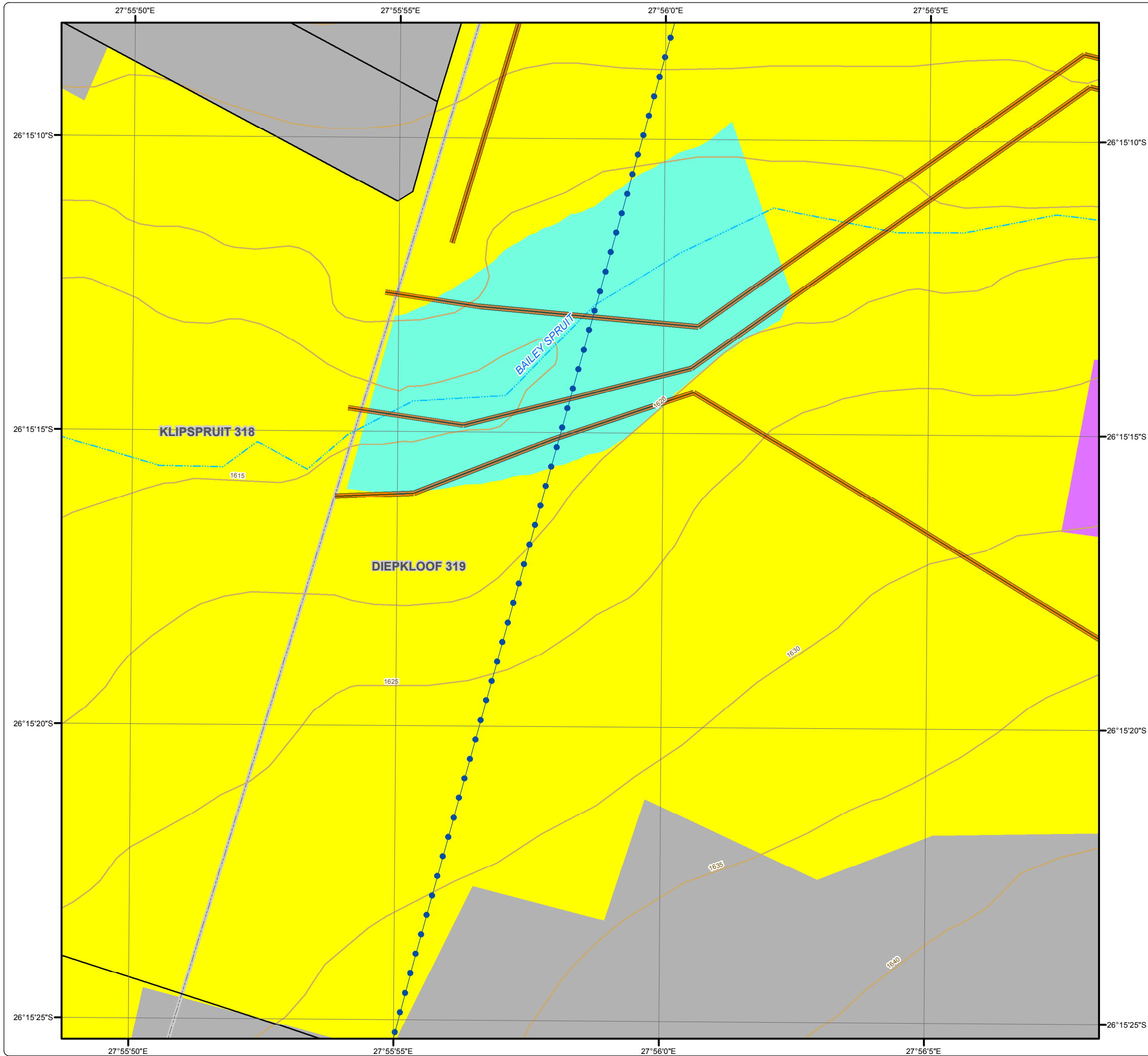
### Wetland Delineation

Channelled Valley Bottom

### Land Use

High Urban Density

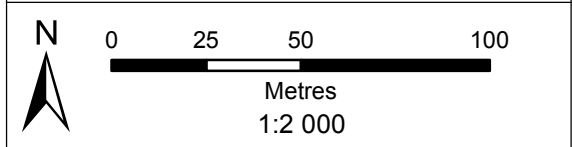
Recreation Area



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Projection: Transverse Mercator      Ref #: sdp.ERG3057.201501.026  
 Datum: WGS 1984                              Revision Number: 1  
 Central Meridian: 27°E                        Date: 13/01/2015



# Ergo Goudkoppies Pipeline

## Route Plan

### Zoom 11

#### Legend

- Proposed Water Pipeline
- Main Road
- Minor Road
- Non-Perennial Stream
- Contours (5m)
- Servitudes
- Farm Portions
- Parent Farms

#### Mucina & Rutherford, 2006

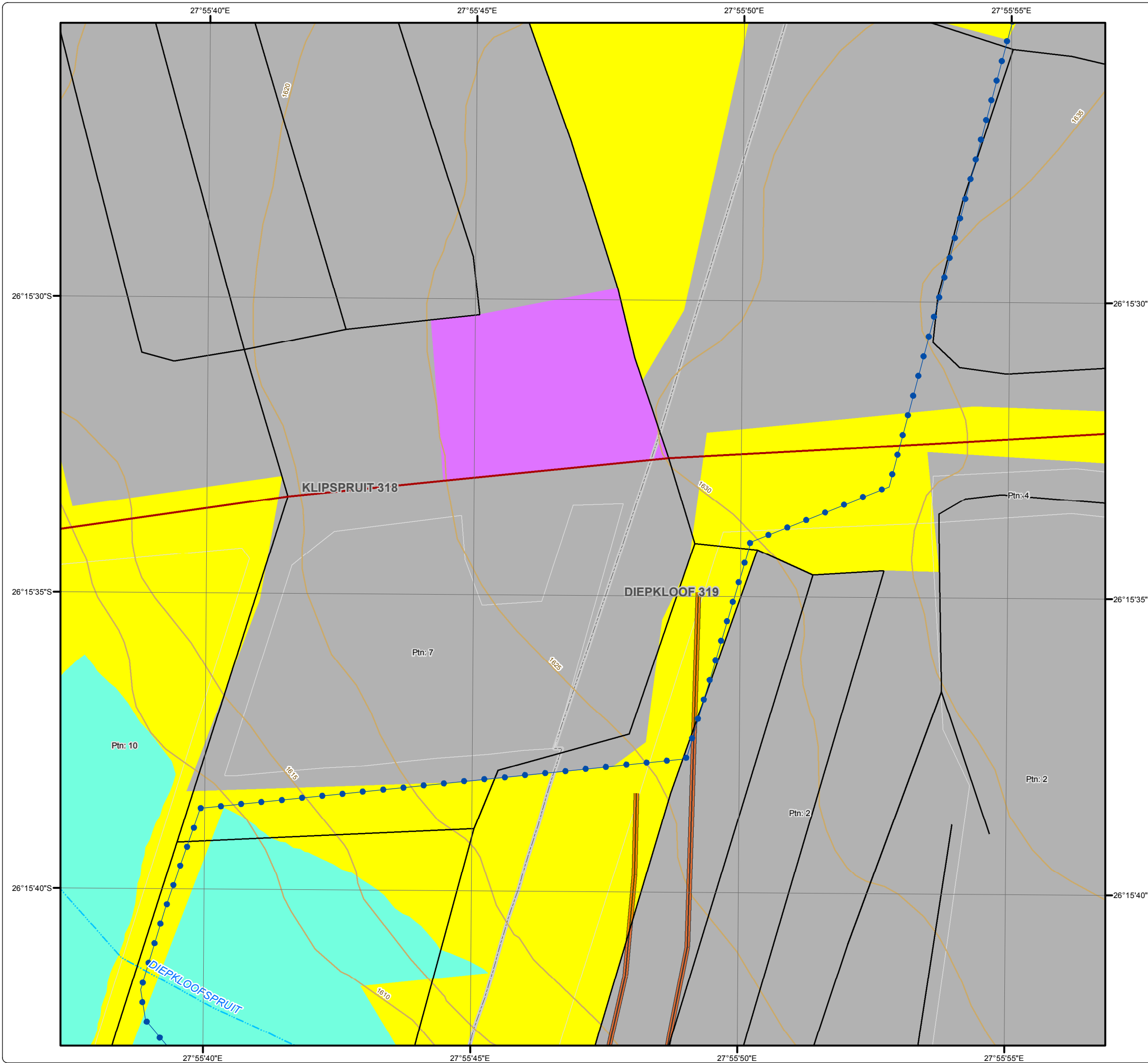
- Soweto Highveld Grassland

#### Wetland Delineation

- Channelled Valley Bottom

#### Land Use

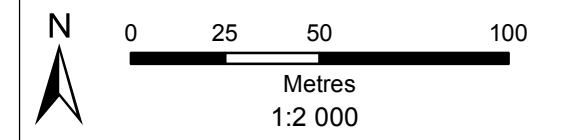
- High Urban Density
- Recreation Area



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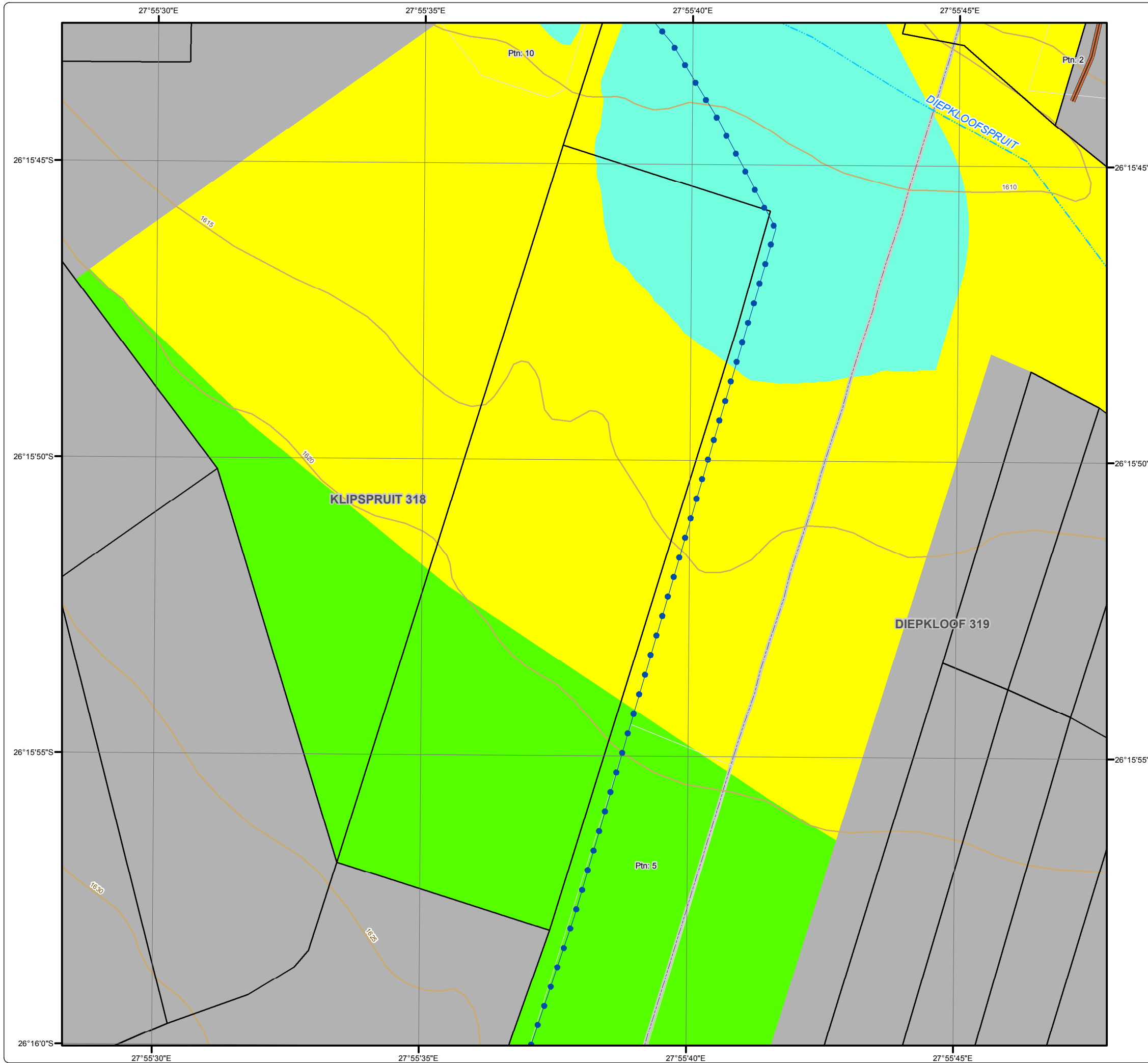
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 Central Meridian: 27°E Date: 13/01/2015



# Ergo Goudkoppies Pipeline Route Plan Zoom 12

### Legend

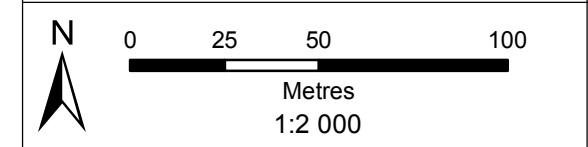
- Proposed Water Pipeline
  - Minor Road
  - Non-Perennial Stream
  - Contours (5m)
  - Servitudes
  - Farm Portions
  - Parent Farms
- Mucina & Rutherford, 2006**
- Andesite Mountain Bushveld
  - Soweto Highveld Grassland
- Wetland Delineation**
- Channelled Valley Bottom
- Land Use**
- High Urban Density



  
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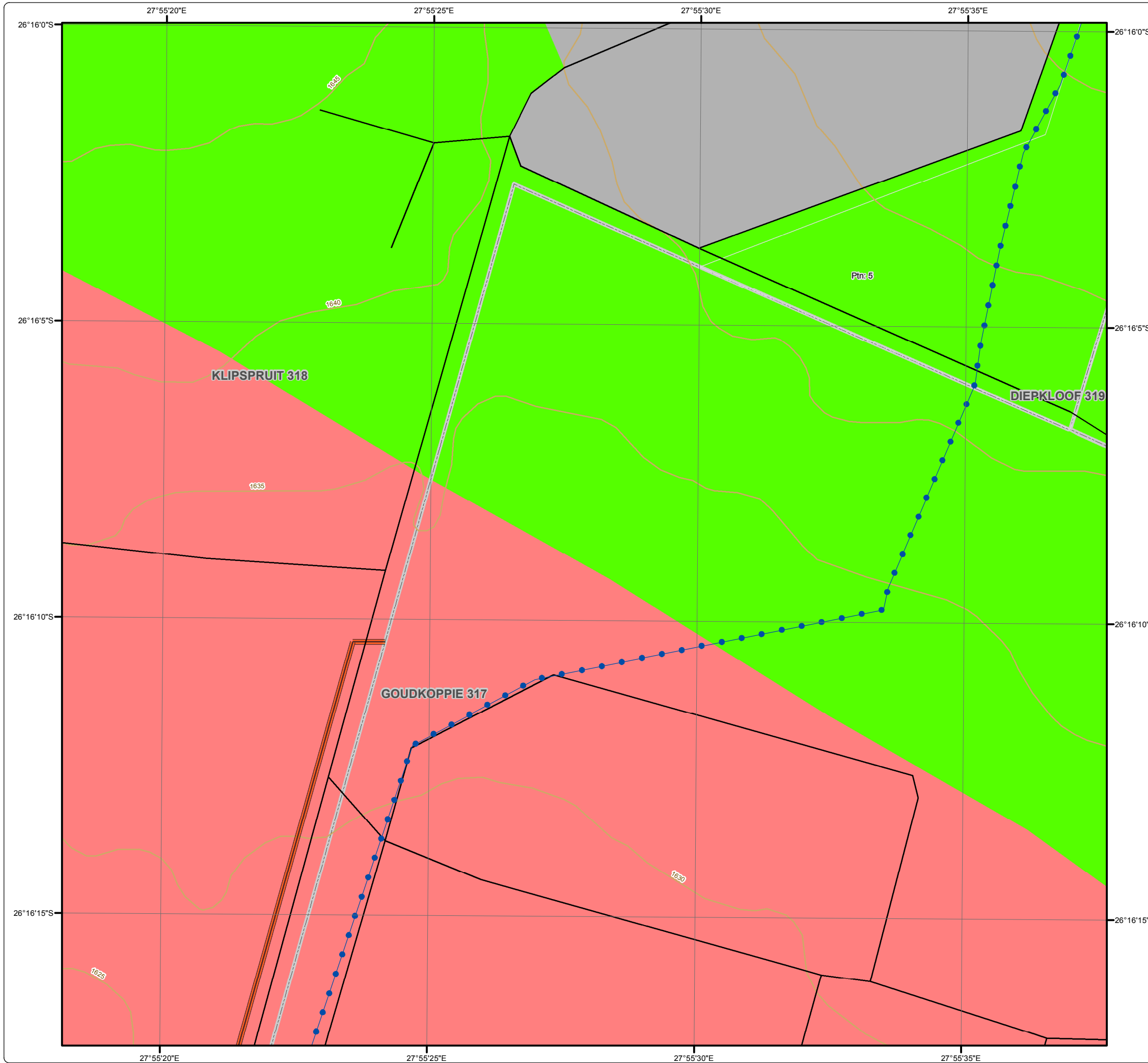
Projection: Transverse Mercator      Ref #: sdp.ERG3057.201501.028  
 Datum: WGS 1984                          Revision Number: 1  
 Central Meridian: 27°E                  Date: 13/01/2015



# Ergo Goudkoppies Pipeline Route Plan Zoom 13

## Legend

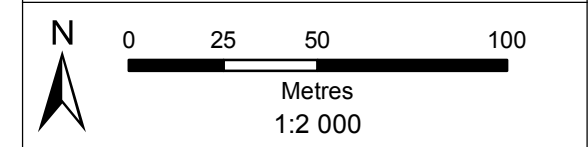
- Proposed Water Pipeline
  - Minor Road
  - Contours (5m)
  - Servitudes
  - Farm Portions
  - Parent Farms
- Mucina & Rutherford, 2006**
- Andesite Mountain Bushveld
  - Tsakane Clay Grassland
- Land Use**
- High Urban Density



  
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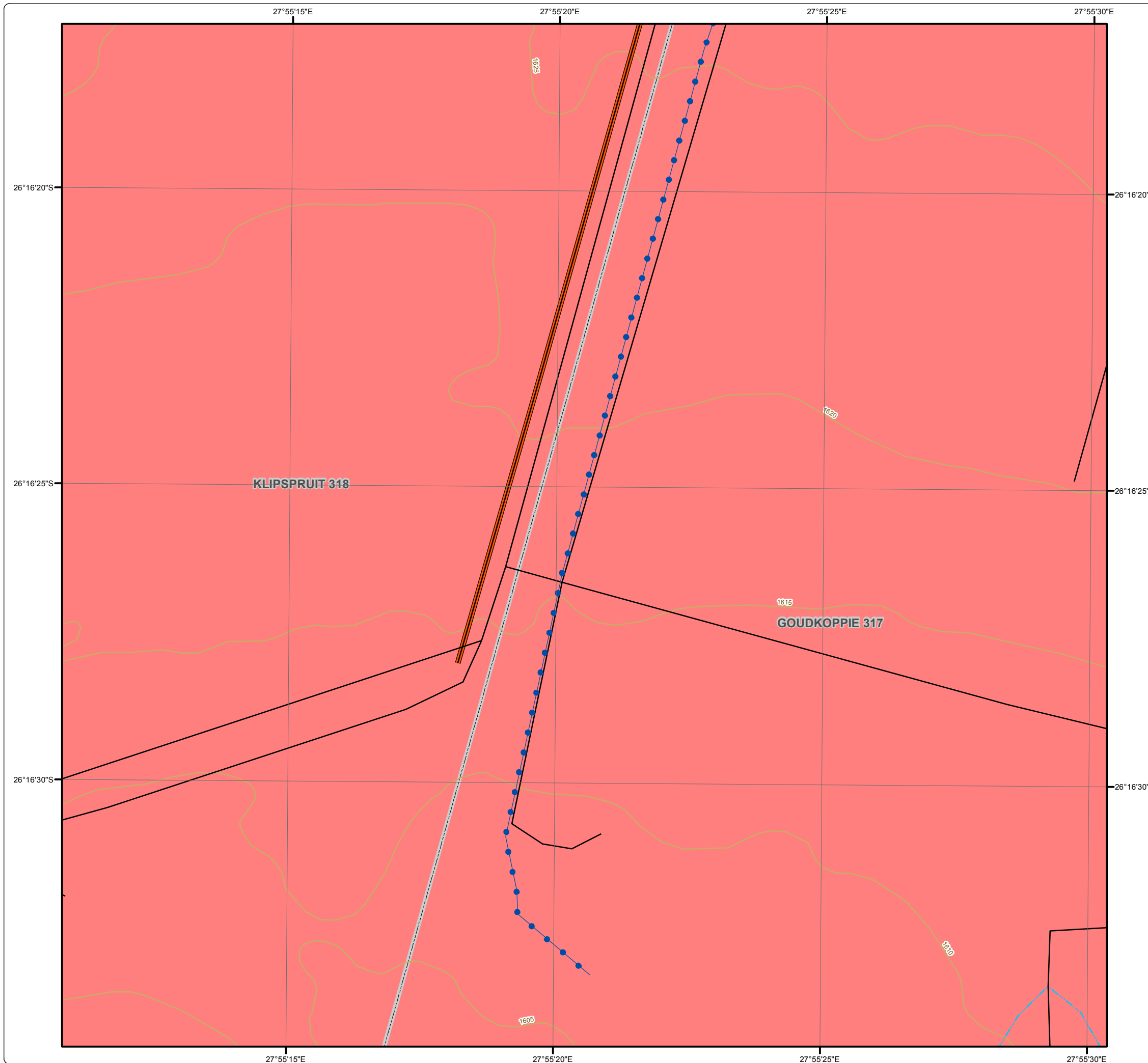
Projection: Transverse Mercator      Ref #: sdp.ERG3057.201501.029  
 Datum: WGS 1984                              Revision Number: 1  
 Central Meridian: 27°E                        Date: 13/01/2015



# Ergo Goudkoppies Pipeline Route Plan Zoom 14

### Legend

-  Proposed Water Pipeline
-  Minor Road
-  Non-Perennial Stream
-  Contours (5m)
-  Servitudes
-  Farm Portions
-  Parent Farms
- Mucina & Rutherford, 2006**
-  Tsakane Clay Grassland



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Projection: Transverse Mercator	Ref #: sdp.ERG3057.201501.030
Datum: WGS 1984	Revision Number: 1
Central Meridian: 27°E	Date: 13/01/2015

