









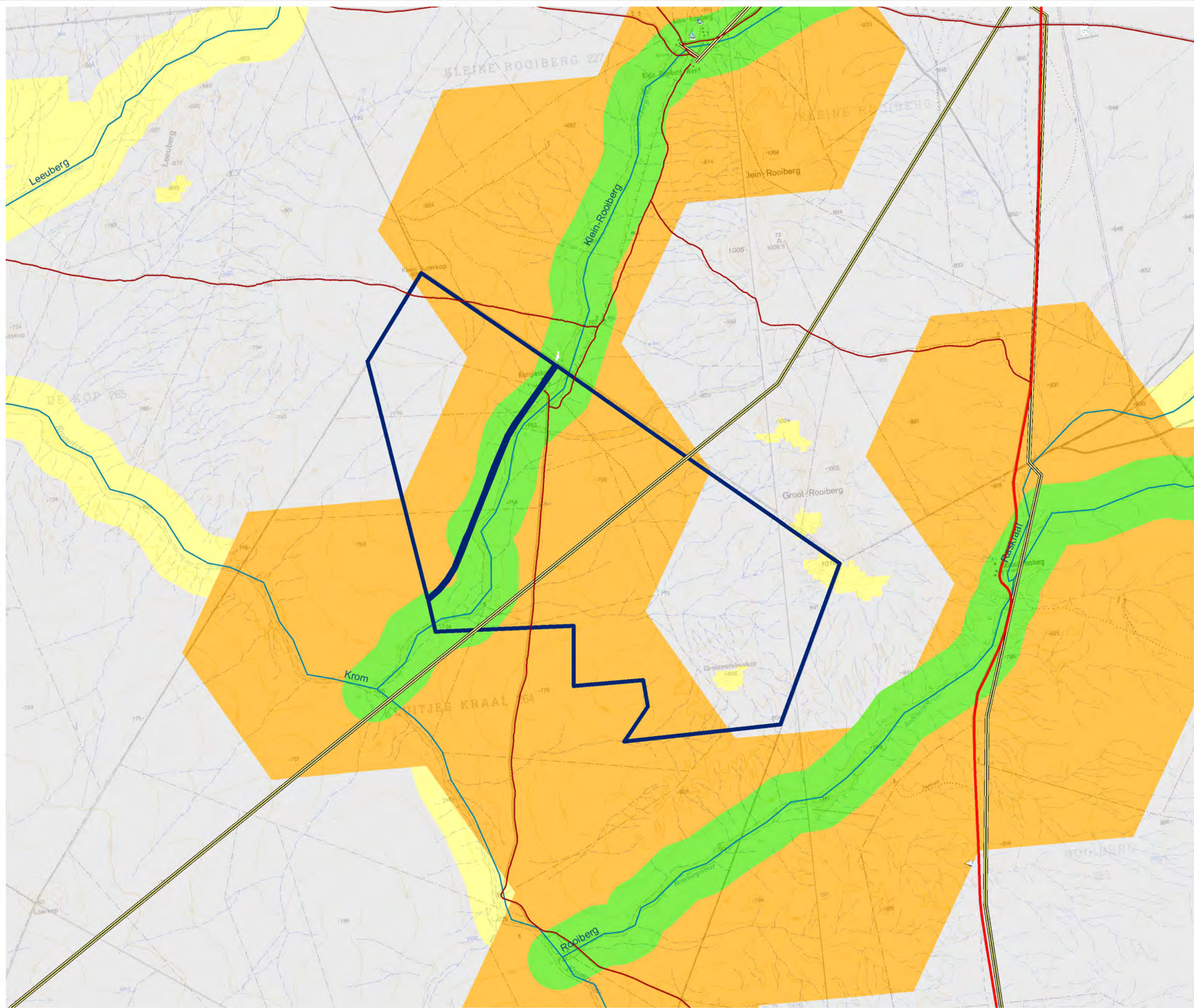
**PROPOSED CONSTRUCTION OF THE LESAKA 1 SOLAR ENERGY FACILITY NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE CRITICAL BIODIVERSITY AREAS**

**Legend**

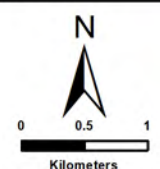
-  Access Roads
-  Secondary Roads
-  Existing Voltage Power Lines (22, 66 & 400kV)
-  Rivers
-  Lesaka 1 Site Area

**CBA Classification**

-  CBA 1
-  CBA 2
-  ESA
-  Other Natural Areas



Source:  
 NGI, 2014  
 ESKOM, 2012  
 NORTHERN CAPE BIODIVERSITY SPATIAL PLAN, 2017  
 NFEPA, 2011



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

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| <b>Map Ref No</b><br>17793 | <b>Revision</b><br>0     | <b>Date</b>               |

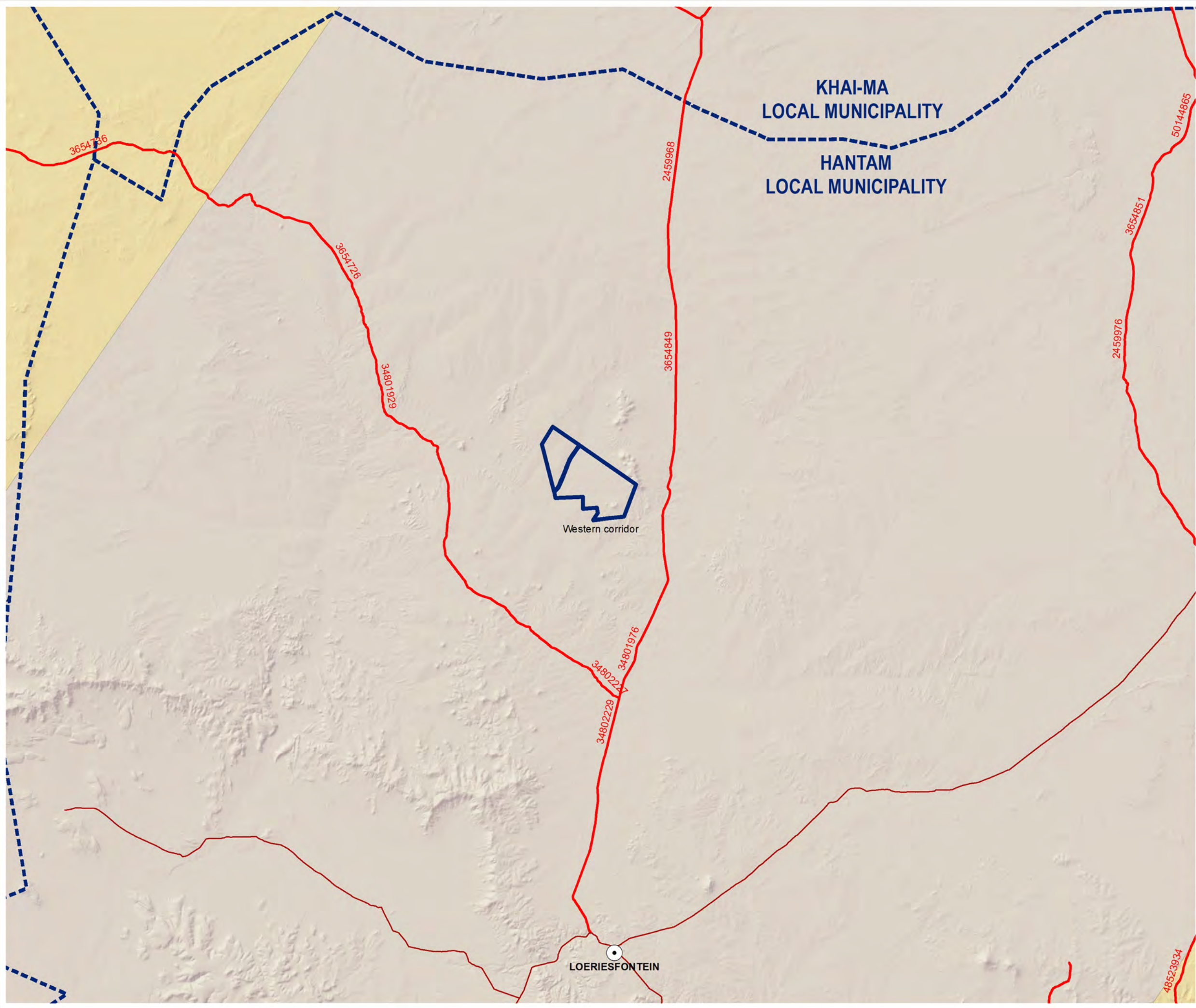
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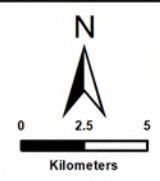
**PROPOSED CONSTRUCTION  
OF THE LESAKA 1  
SOLAR ENERGY FACILITY**  
NEAR  
LOERIESFONTEIN,  
NORTHERN CAPE PROVINCE  
EGI & REDZ

**Legend**

-  Main Towns
-  Main Roads
-  Secondary Roads
-  Power Corridors
-  Lesaka 1 Site Area



Source:  
NGI, 2014  
MUNICIPAL DEMARCATION BOARD, 2016



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**PROPOSED CONSTRUCTION  
OF THE LESAKA 1  
SOLAR ENERGY FACILITY  
NEAR  
LOERIESFONTEIN,  
NORTHERN CAPE PROVINCE  
BROAD LAND COVER  
CLASSIFICATION**

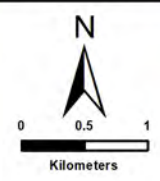
**Legend**

-  Access Roads
-  Secondary Roads
-  Existing High Voltage Power Lines (66 & 400kV)
-  Rivers
-  Lesaka 1 Site Area

**Land Cover Classification**

-  Barren Land
-  Built-Up Areas
-  Cultivated Land
-  Forested Land
-  Grassland
-  Mines & Quarries
-  Shrubland
-  Wetlands / Waterbodies

**SOURCE:**  
NFPA, 2011  
ESKOM, 2012  
2018 SA NATIONAL LAND COVER  
(© GEOTERRAIMAGE - 2018)

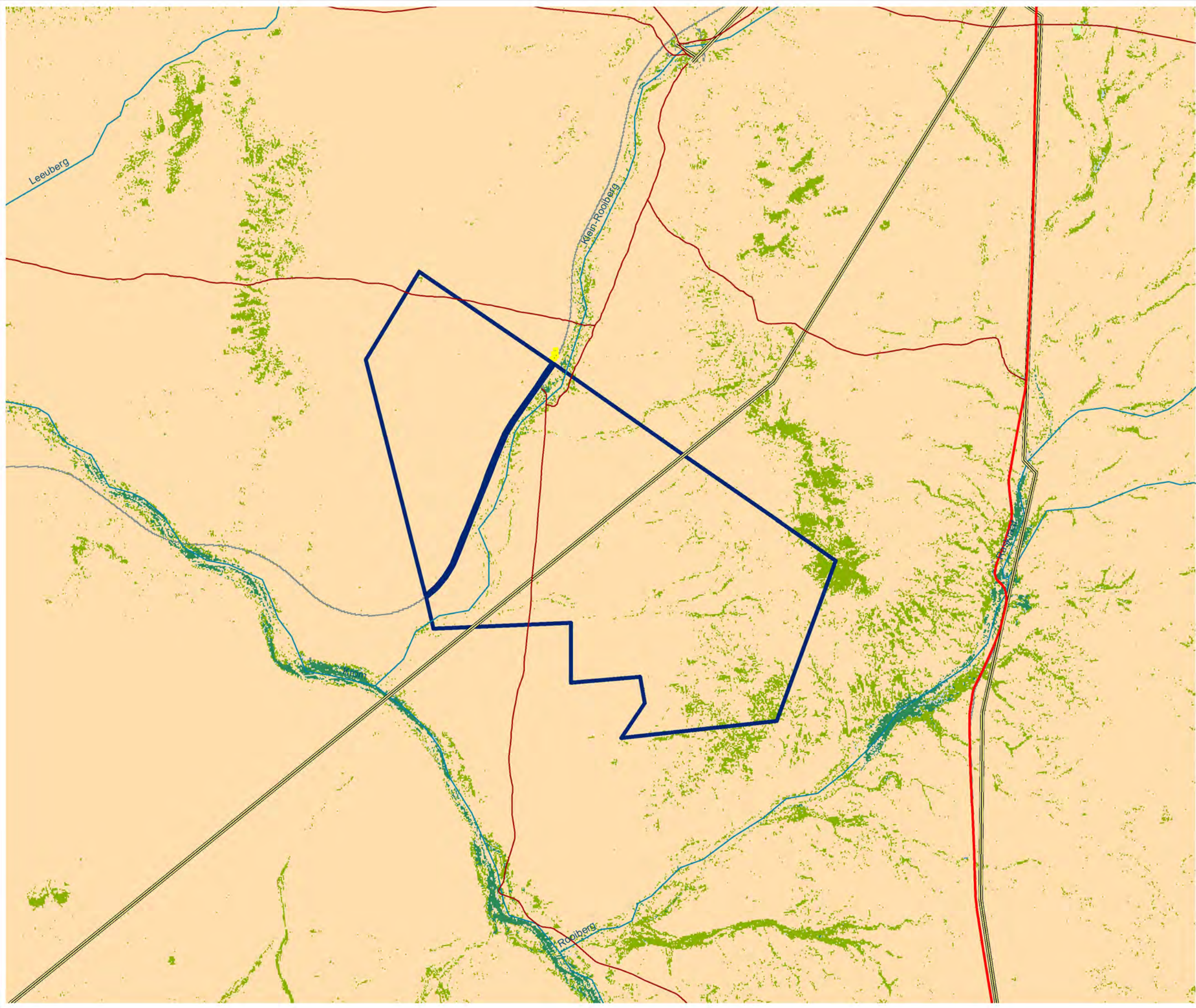


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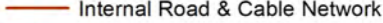
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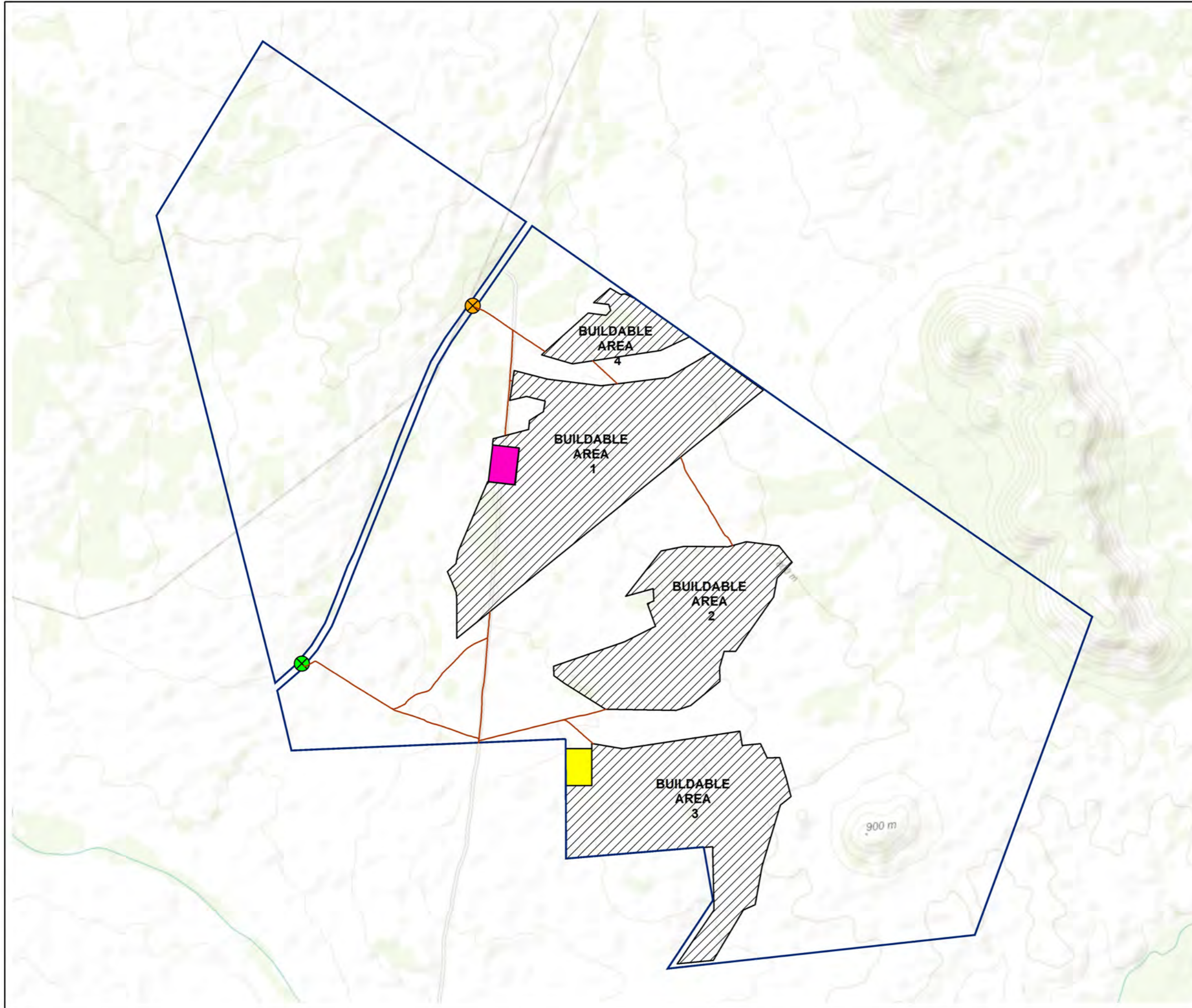
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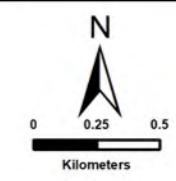
**PROPOSED CONSTRUCTION  
OF THE LESAKA 1  
SOLAR ENERGY FACILITY**  
**NEAR  
LOERIESFONTEIN,  
NORTHERN CAPE PROVINCE**  
**PROPOSED LAYOUT**

**Legend**

-  Lesaka 1 SEF Application Site
- Proposed SEF Components**
-  Site Access 1
-  Site Access 2
-  Internal Road & Cable Network
-  Buildable Areas
-  Onsite Substation, BESS & O&M Building
-  Temporary Laydown Area



Source:  
NGI, 2014



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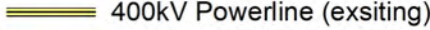
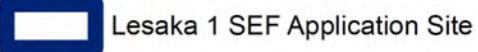


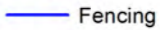
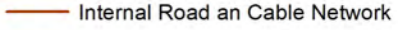
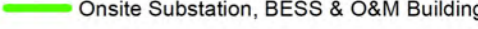
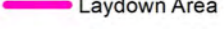
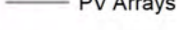

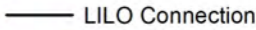

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| Map Ref No<br>17793 | Revision<br>0     | Date               |

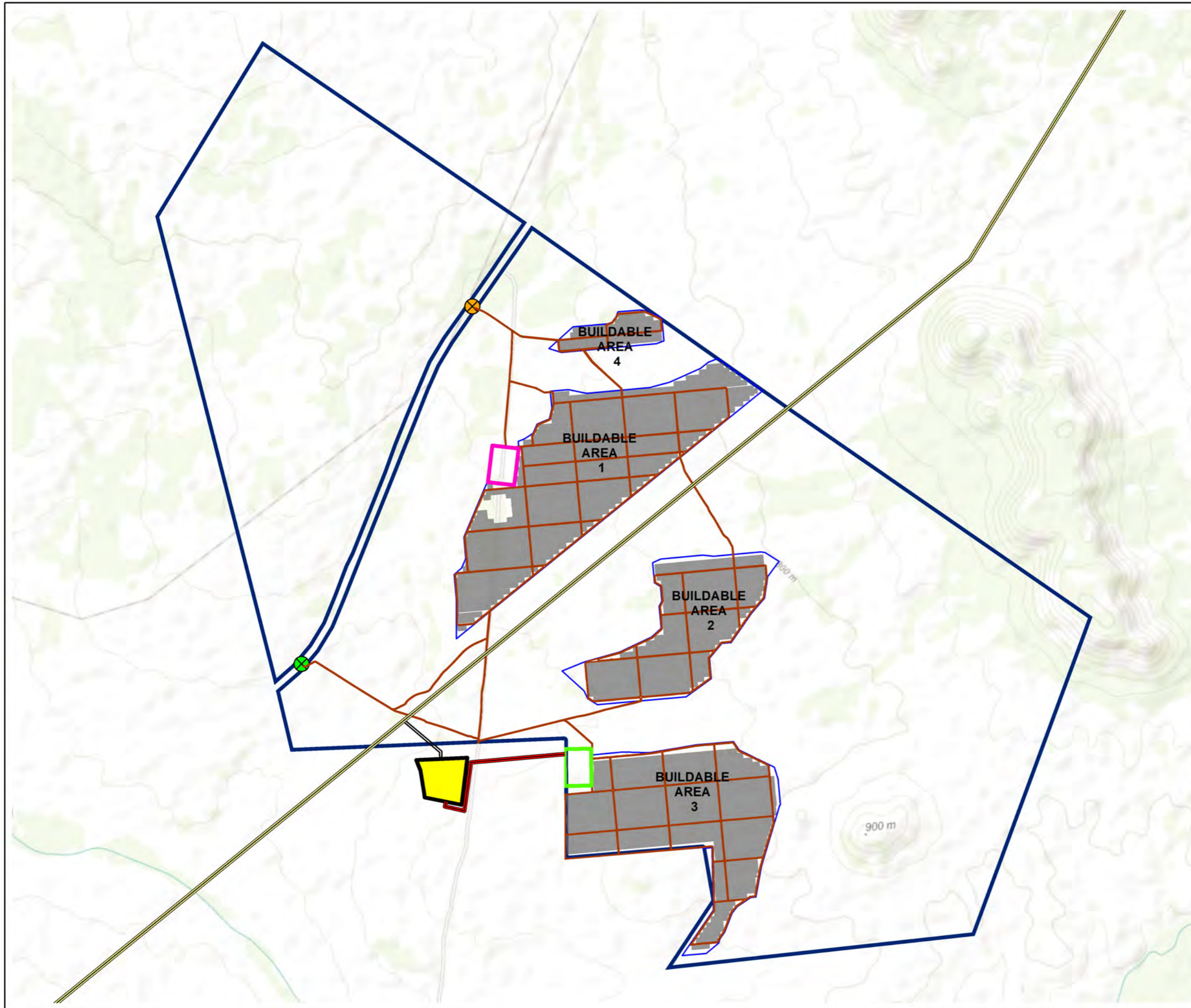
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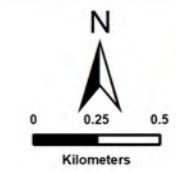
**PROPOSED CONSTRUCTION  
& GRID CONNECTION  
FOR THE LESAKA 1  
SOLAR ENERGY FACILITY**  
NEAR  
LOERIESFONTEIN,  
NORTHERN CAPE PROVINCE  
PROPOSED LAYOUT

**Legend**

-  400kV Powerline (existing)
-  Lesaka 1 SEF Application Site
- Proposed SEF Components**
-  Site Access 1
-  Site Access 2
-  Fencing
-  Internal Road and Cable Network
-  Onsite Substation, BESS & O&M Building
-  Laydown Area
-  PV Arrays
- Proposed Grid Components**
-  Overhead Line
-  LILO Connection
-  MTS



Source:  
NGI, 2014  
ESKOM, 2018



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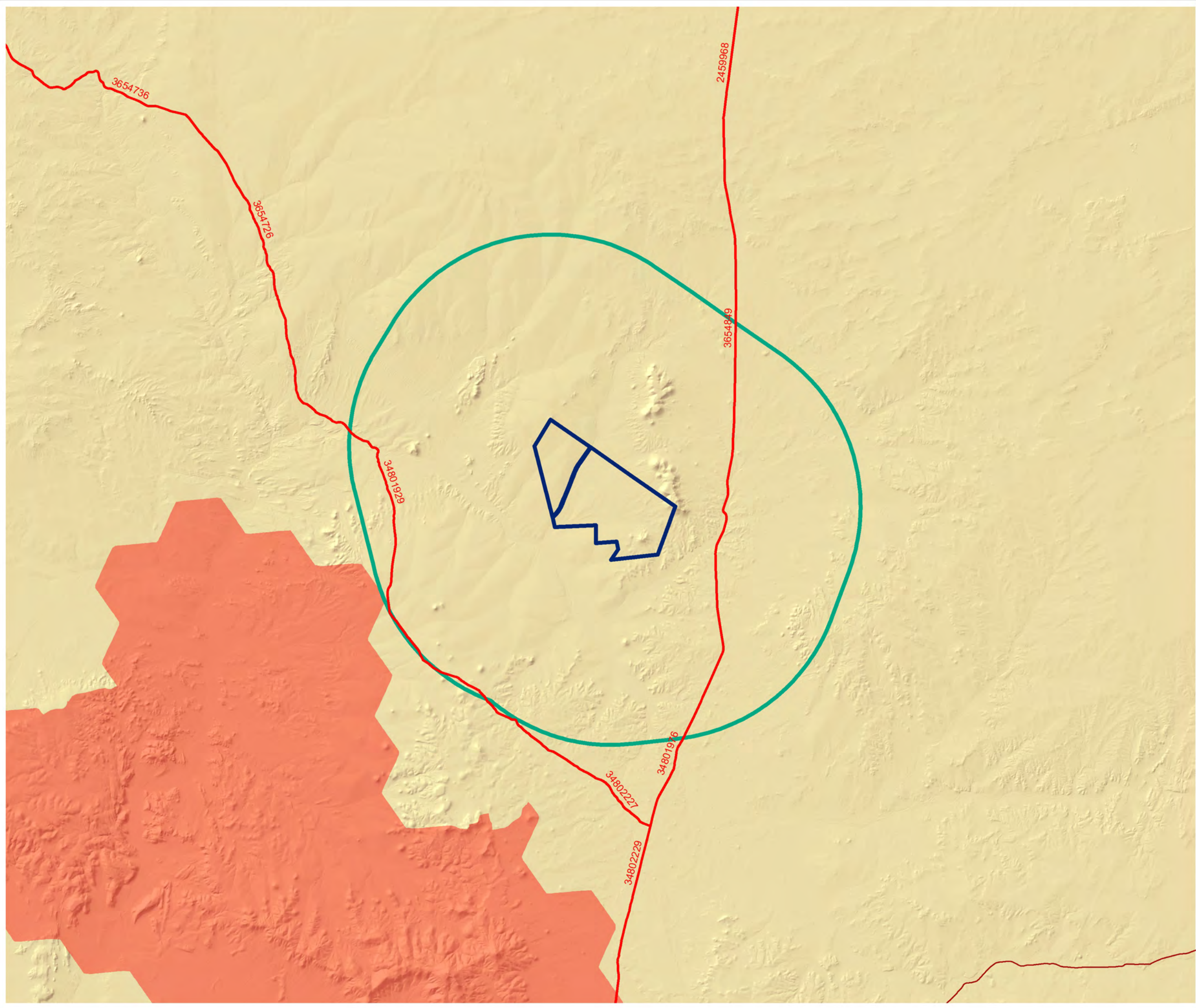
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SOLAR ENERGY FACILITY**

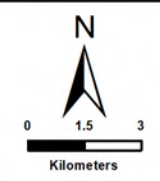
**NEAR  
LOERIESFONTEIN,  
NORTHERN CAPE PROVINCE  
PROTECTED AREAS**

**Legend**

-  Main Roads
-  Secondary Roads
-  NPAES: Priority Focus Areas
-  10km Radius
-  Lesaka 1 Site Area



Source:  
NGI, 2014  
DFFE, 2022



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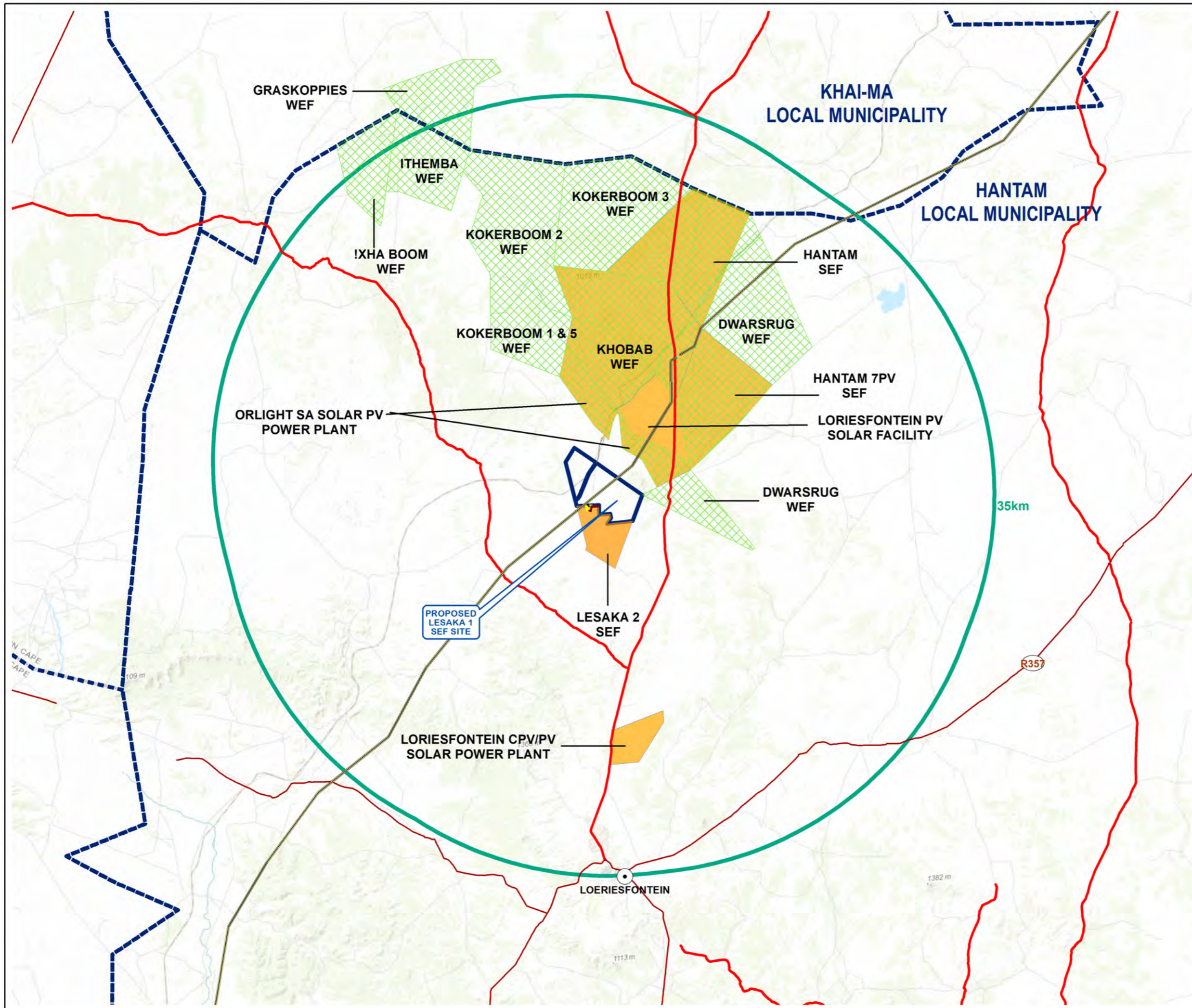
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**PROPOSED CONSTRUCTION OF THE LESAKA 1 SOLAR ENERGY FACILITY NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE RENEWABLE ENERGY PROJECTS (EXISTING & PROPOSED)**



**Legend**

- Main Towns
- Main Roads
- Secondary Roads
- 400kV Powerline (existing)
- 35km Radius
- Lesaka 1 Site Area

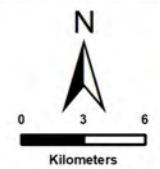
**Proposed Grid Components**

- Overhead Line
- LILO Connection
- MTS

**Renewable Energy Application Sites**

- Solar PV
- Wind

Source:  
 NGI, 2014  
 DFFE, 2023  
 ESKOM, 2018  
 MUNICIPAL DEMARCATION BOARD, 2016



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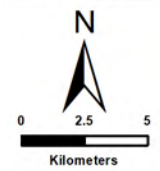
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SOLAR ENERGY FACILITY**  
NEAR  
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NORTHERN CAPE PROVINCE  
REGIONAL CONTEXT

**Legend**

-  Main Towns
-  Main Roads
-  Secondary Roads
-  Lesaka 1 Site



Source:  
NGI, 2014  
NFEPA, 2011  
MUNICIPAL DEMARCATION BOARD, 2016

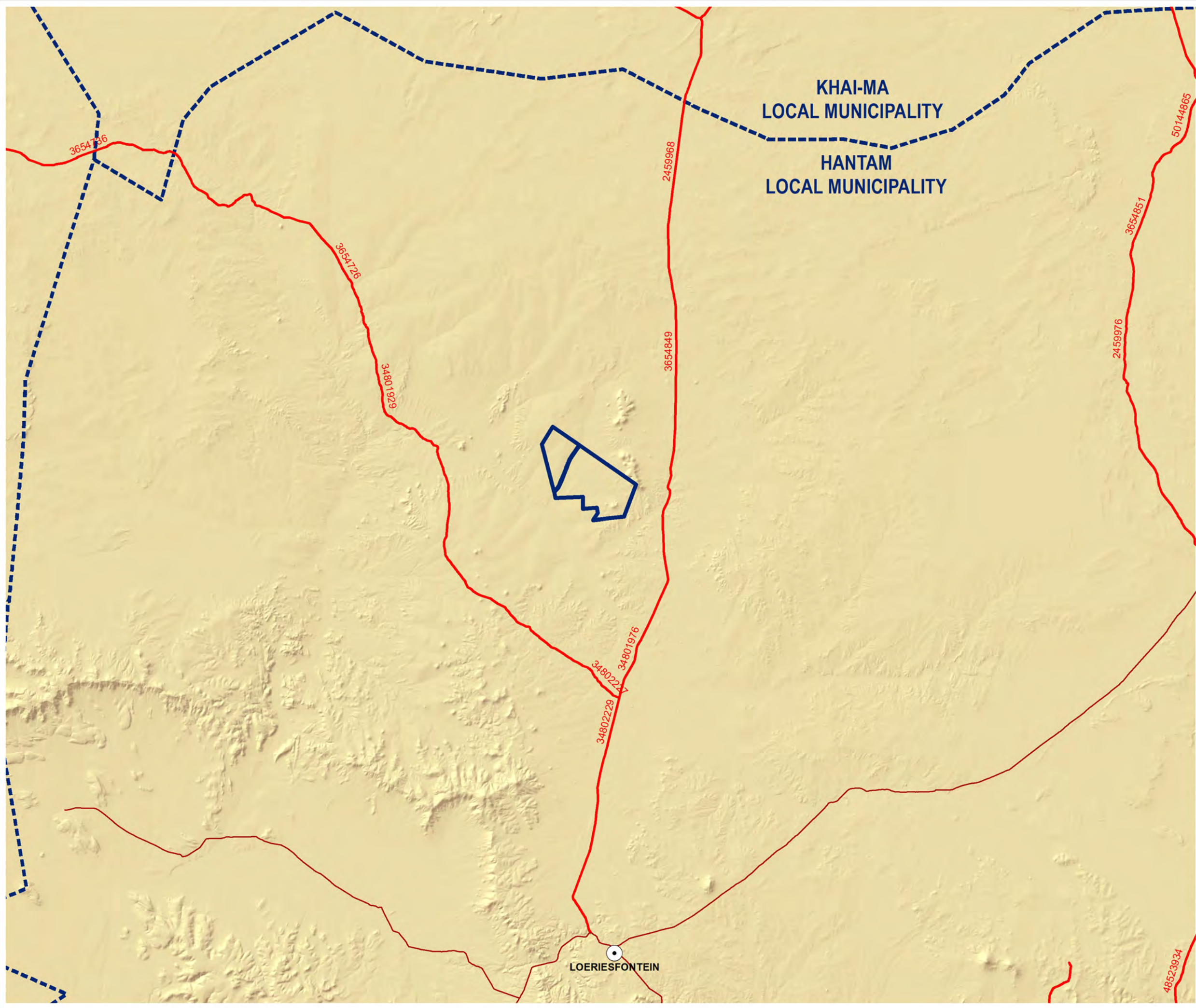


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

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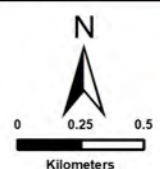


**PROPOSED CONSTRUCTION  
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OF THE LESAKA 1  
SOLAR ENERGY FACILITY  
NEAR  
LOERIESFONTEIN,  
NORTHERN CAPE PROVINCE  
SENSITIVITY LAYOUT**

**Legend**

-  400kV Powerline (existing)
-  Lesaka 1 SEF Application Site
- Proposed SEF Components**
-  Site Access 1
-  Site Access 2
-  Fencing
-  Internal Road & Cable Network
-  Onsite Substation, BESS & O&M Building
-  Laydown Area
-  PV Arrays
- Proposed Grid Components**
-  Overhead Line
-  LILO Connection
-  MTS
- Environmental Sensitivities (No-Go) (incl buffers)**
-  Aquatic
-  Avifauna
-  Heritage
-  Terrestrial

Source:  
NGI, 2014  
ESKOM, 2018

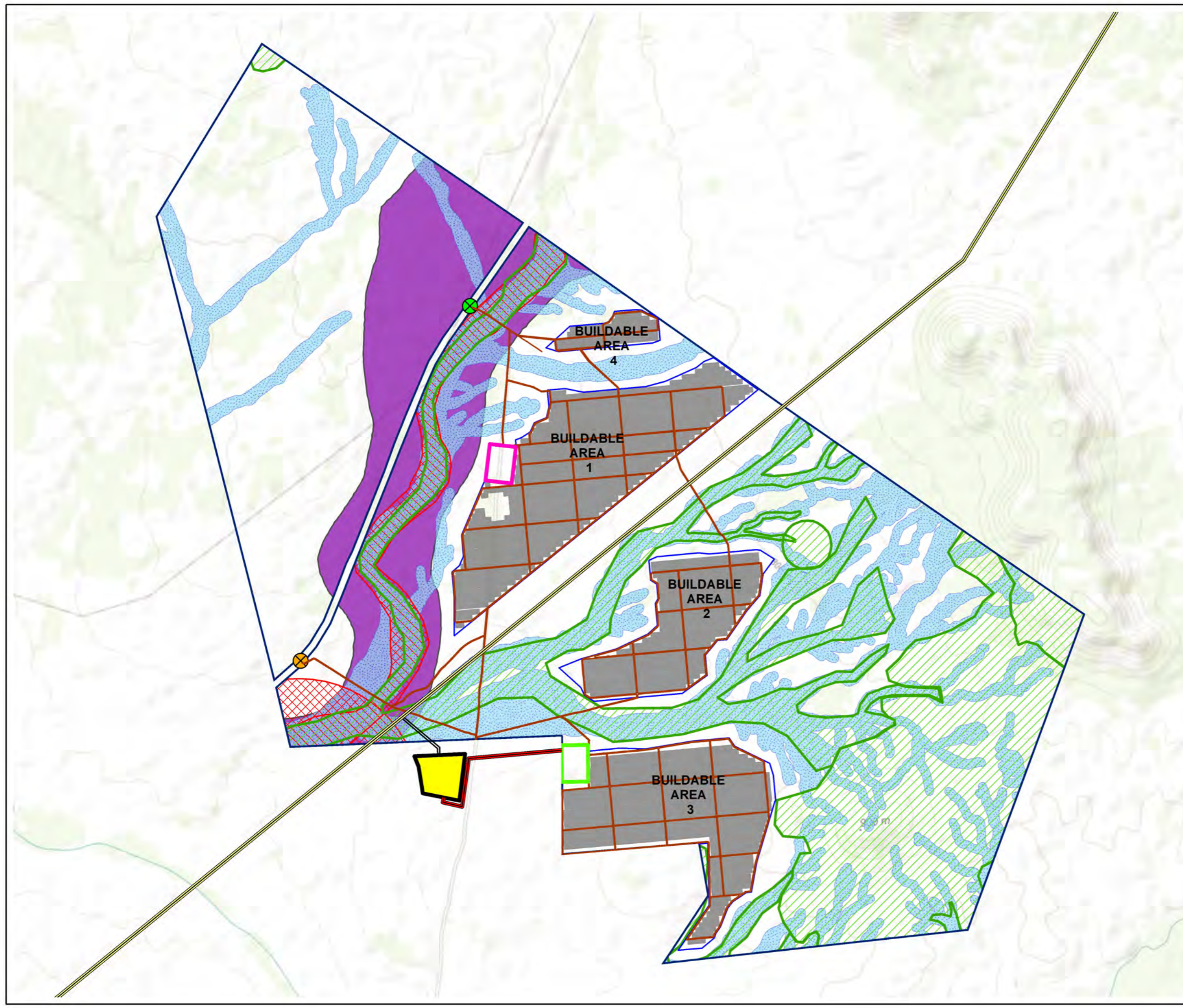


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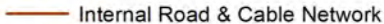
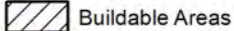
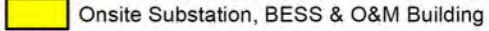
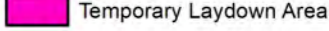


**PROPOSED CONSTRUCTION  
OF THE LESAKA 1  
SOLAR ENERGY FACILITY**  
**NEAR  
LOERIESFONTEIN,  
NORTHERN CAPE PROVINCE**  
**SENSITIVITY LAYOUT**

**Legend**

 Lesaka 1 SEF Application Site

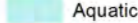



**Proposed SEF Components**

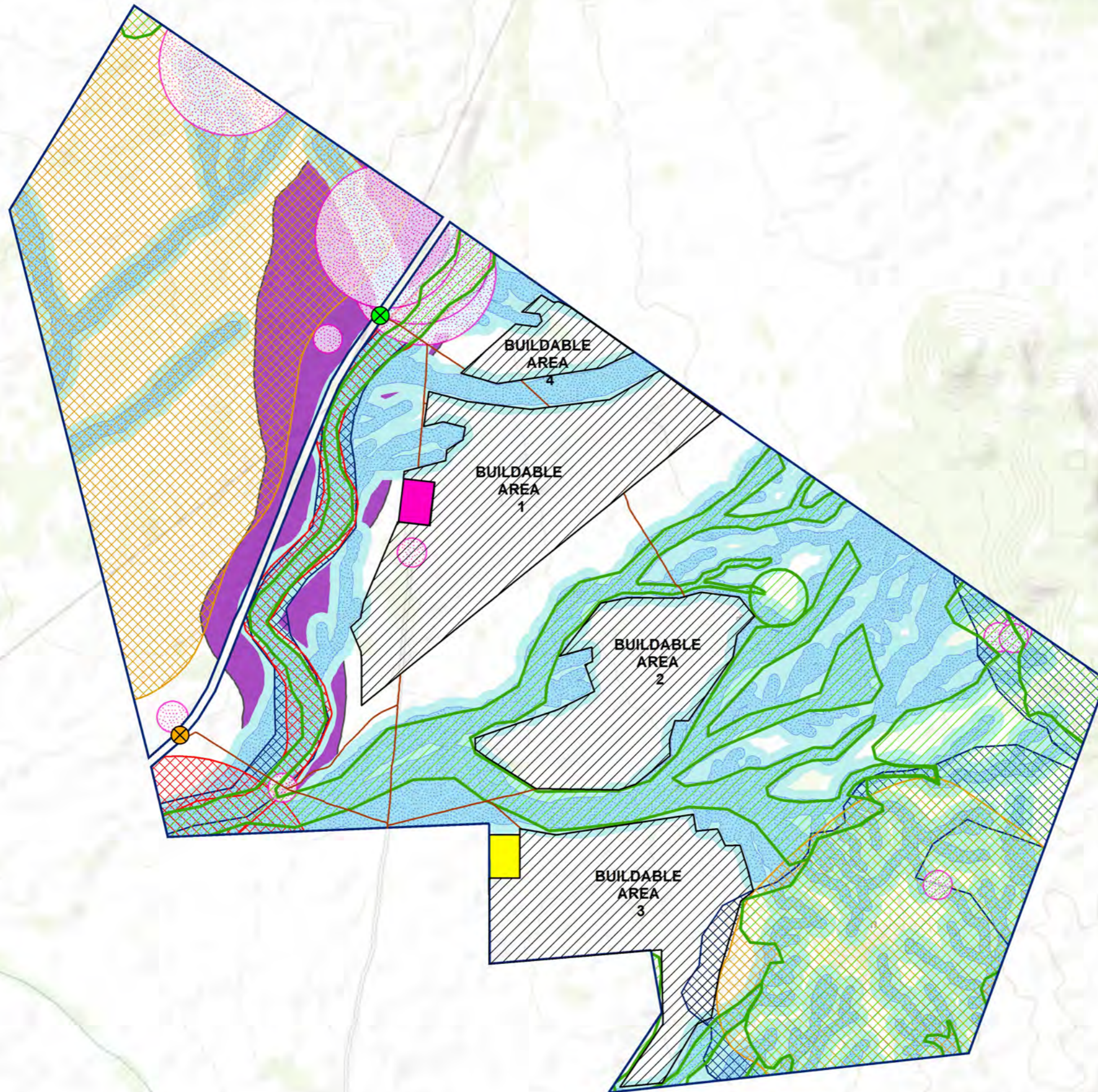
-  Site Access 1
-  Site Access 2
-  Internal Road & Cable Network
-  Buildable Areas
-  Onsite Substation, BESS & O&M Building
-  Temporary Laydown Area

**Environmental Sensitivities (No-Go) (incl buffers)**

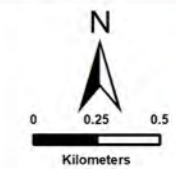
-  Aquatic
-  Avifauna
-  Heritage
-  Terrestrial

**Environmental Sensitivities**

-  Aquatic
-  Avifauna
-  SHE Risk
-  Visual



Source:  
NGI, 2014



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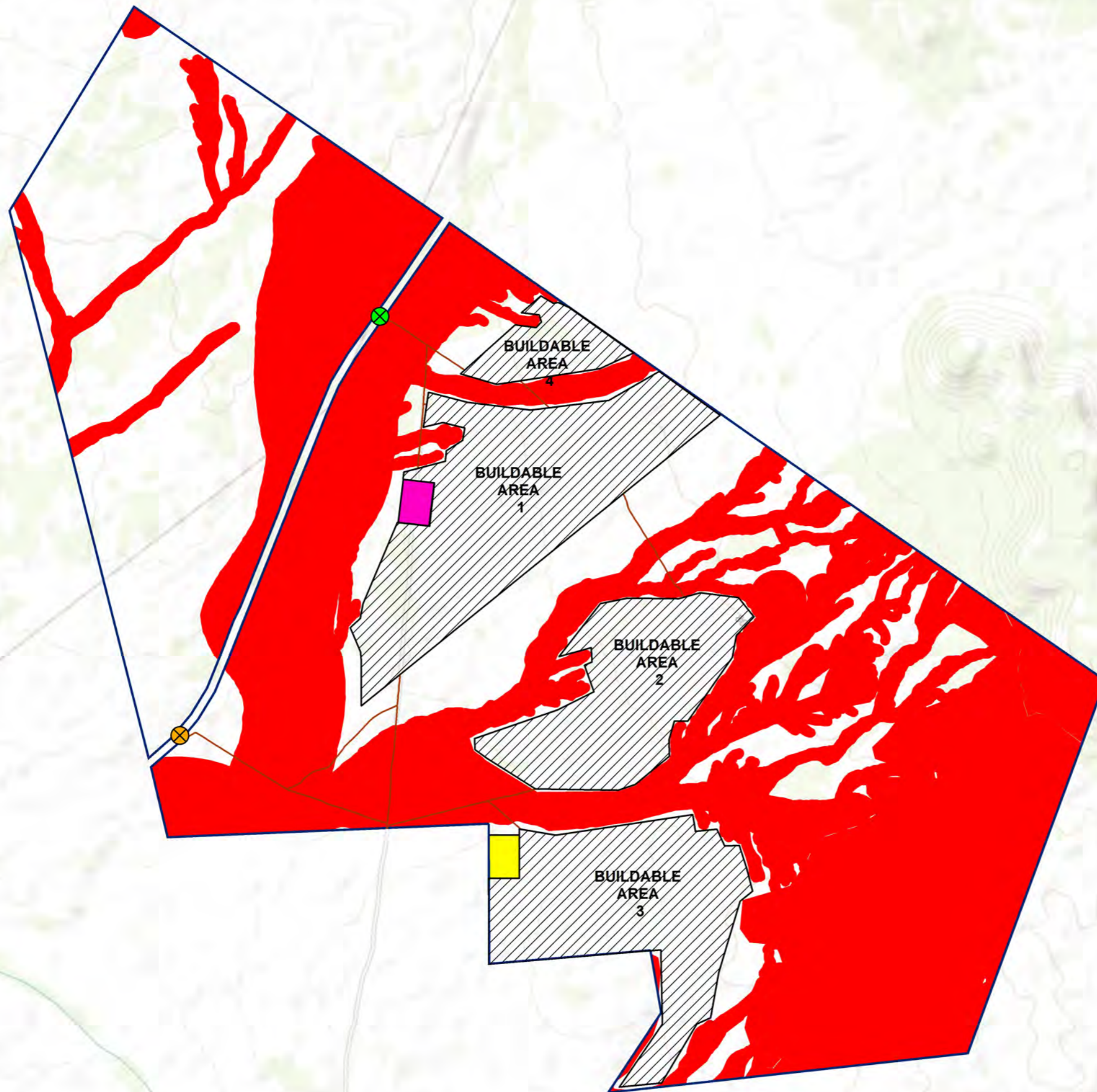
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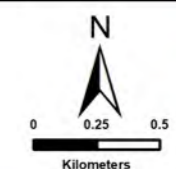
**PROPOSED CONSTRUCTION  
OF THE LESAKA 1  
SOLAR ENERGY FACILITY**  
**NEAR  
LOERIESFONTEIN,  
NORTHERN CAPE PROVINCE**  
**SENSITIVITY LAYOUT**

**Legend**

-  Lesaka 1 SEF Application Site
- Proposed SEF Components**
-  Site Access 1
-  Site Access 2
-  Internal Road & Cable Network
-  Buildable Areas
-  Onsite Substation, BESS & O&M Building
-  Temporary Laydown Area
- Environmental Sensitivities (No-Go) (incl buffers)**
-  No-Go Sensitivities



Source:  
NGI, 2014



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|                     |                   |                    |
|---------------------|-------------------|--------------------|
| Project No<br>17793 | Prepared By<br>SB | Date<br>03/07/2023 |
| Map Ref No<br>17793 | Revision<br>0     | Date               |

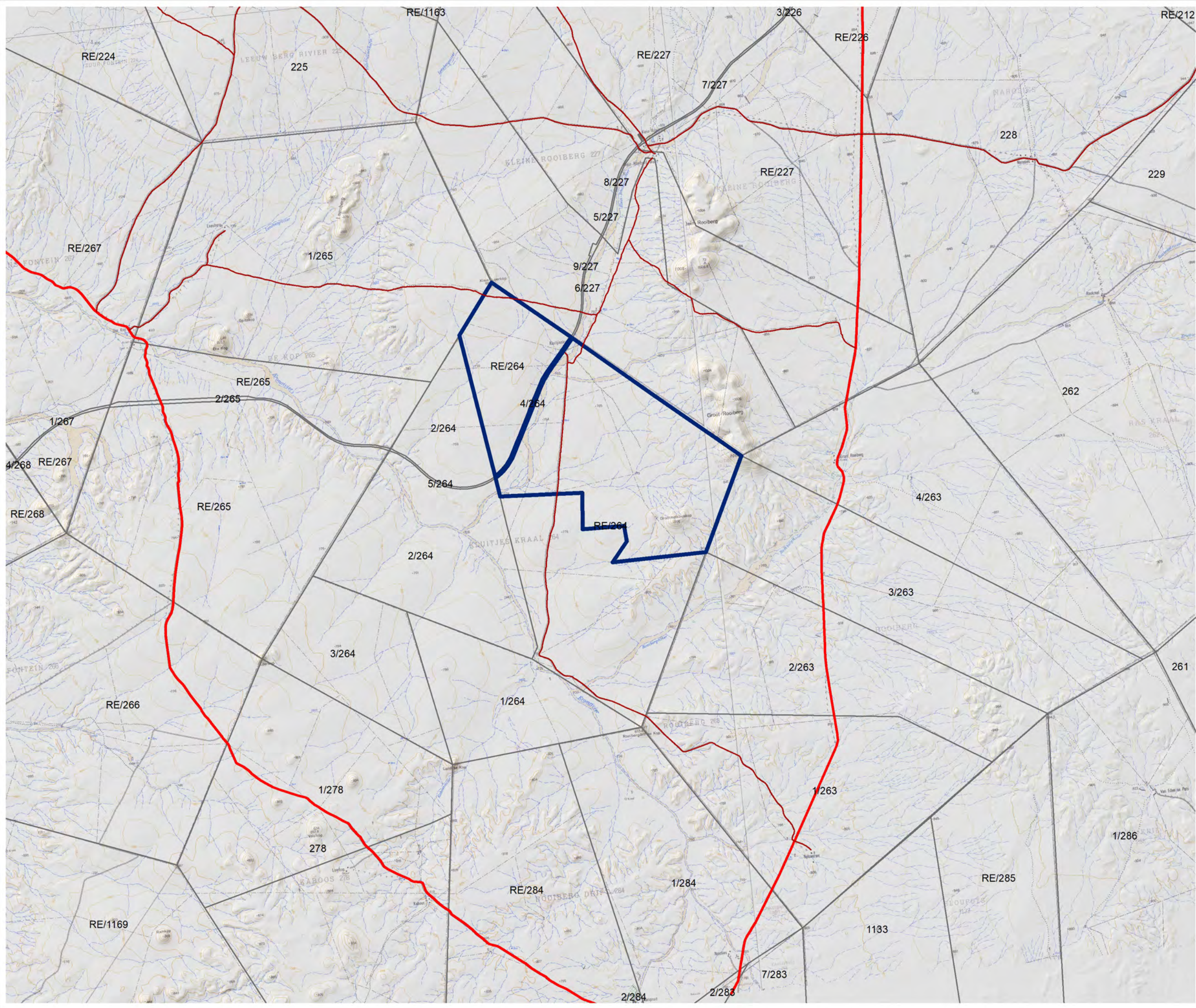
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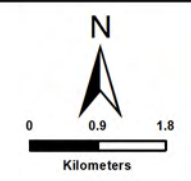
**PROPOSED CONSTRUCTION  
OF THE LESAKA 1  
SOLAR ENERGY FACILITY**  
**NEAR  
LOERIESFONTEIN,  
NORTHERN CAPE PROVINCE  
SITE LOCALITY**

**Legend**

-  Secondary Roads
-  Access Roads
-  Rivers
-  Farm Portions
-  Lesaka 1 Site Area



Source:  
NGI, 2014



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|                            |                          |                           |
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| <b>Project No</b><br>17793 | <b>Prepared By</b><br>SB | <b>Date</b><br>30/01/2023 |
| <b>Map Ref No</b><br>17793 | <b>Revision</b><br>0     | <b>Date</b>               |

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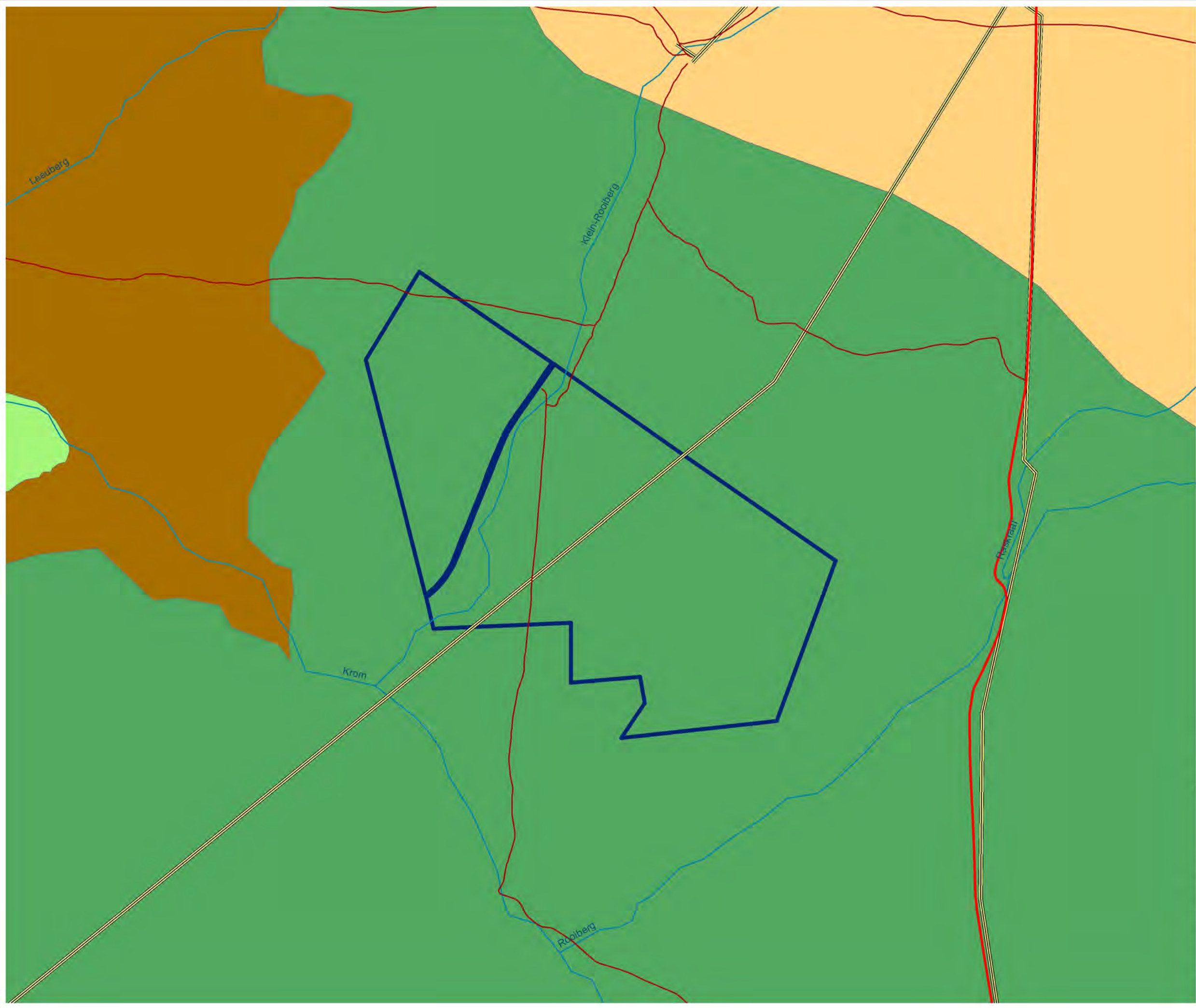
**PROPOSED CONSTRUCTION  
OF THE LESAKA 1  
SOLAR ENERGY FACILITY  
NEAR  
LOERIESFONTEIN,  
NORTHERN CAPE PROVINCE  
VEGETATION  
CLASSIFICATION**

**Legend**

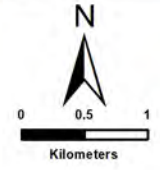
-  Access Roads
-  Secondary Roads
-  Existing High Voltage Power Lines (66 & 400kV)
-  Rivers
-  Lesaka 1 Site Area

**Vegetation Classification**

-  Bushmanland Basin Shrubland
-  Hantam Karoo
-  Namaqualand Blomveld
-  Western Bushmanland Klipveld



**SOURCE:**  
NGI, 2014  
ESKOM, 2012  
NFEP, 2011  
SANBI, 2018



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