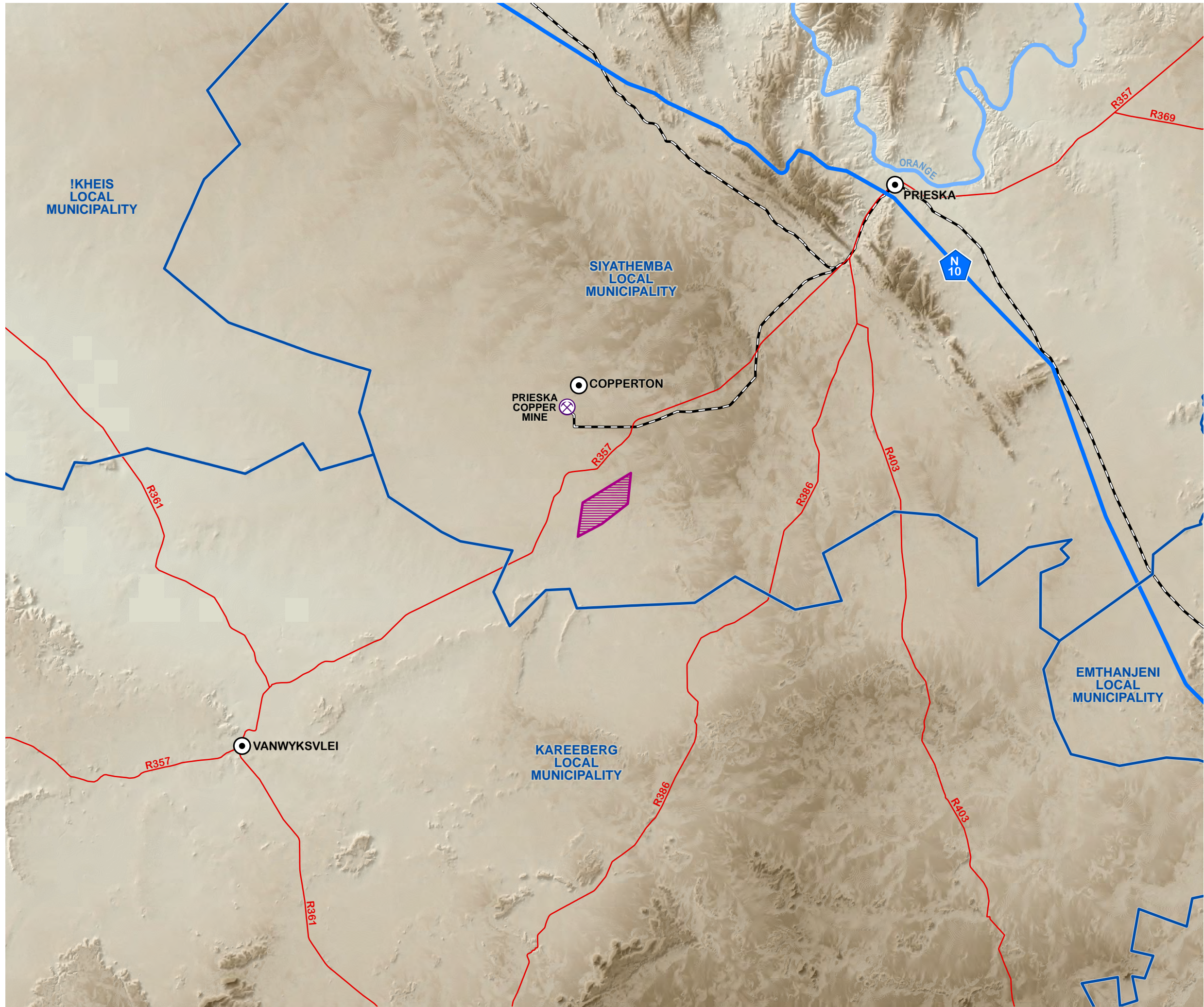
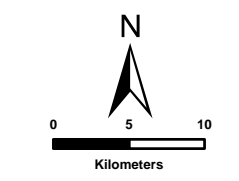


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THE PROPOSED
MIERDAM SEF
NEAR PRIESKA
NORTHERN CAPE
PROVINCE
REGIONAL CONTEXT**



- Legend**
- Local Municipal Boundaries
 - National Route (N10)
 - Main Road
 - Railways
 - Orange River
 - Main Towns
 - Mierdam SEF Application Site

SOURCE:
ESKOM, 2012
MAINSTREAM, 2020
NGI, 2014



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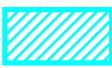
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Map Ref No 16499/MR_BA01	Revision 0	Date

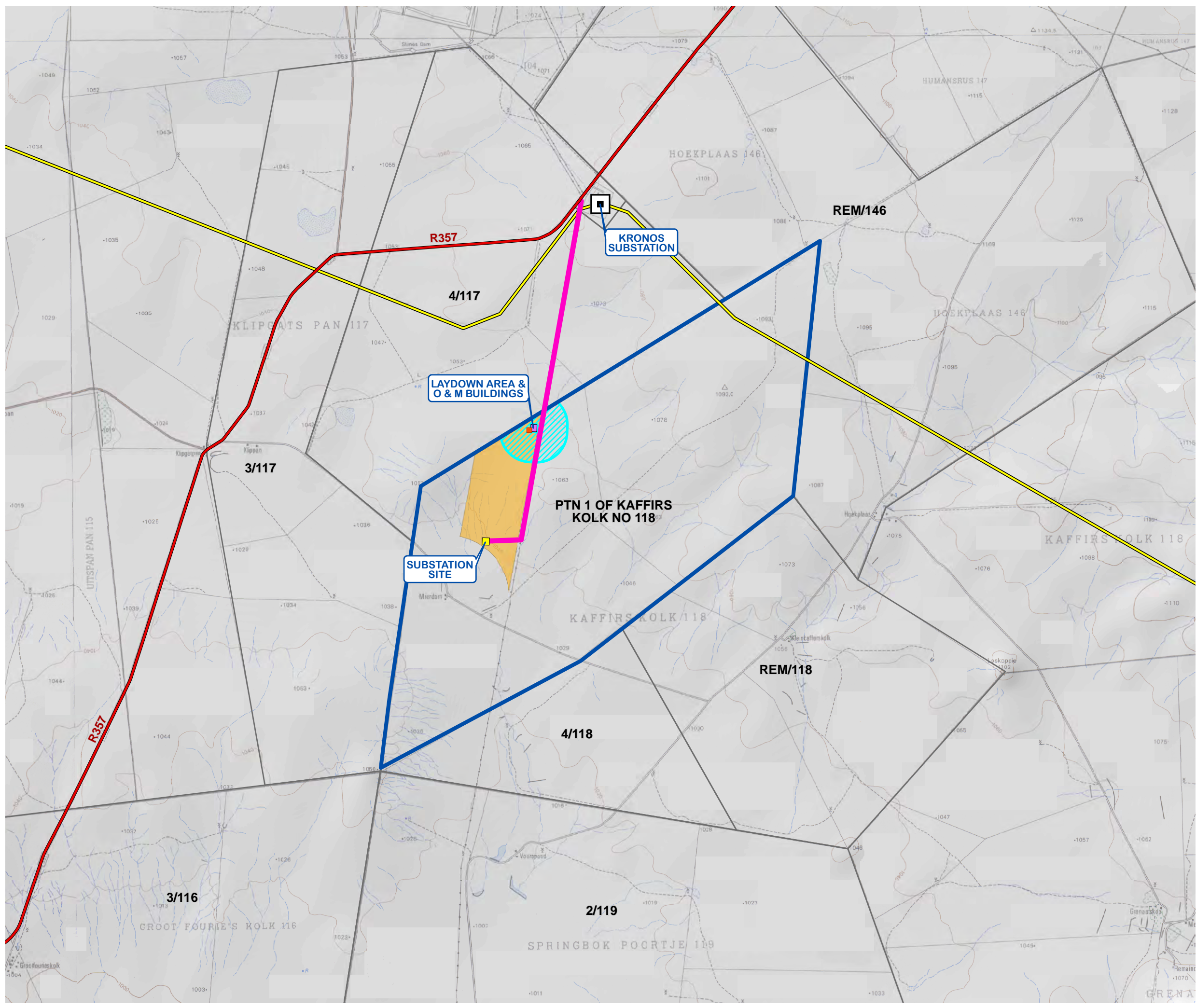
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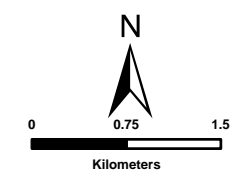
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PROVINCE
SITE LOCALITY**

Legend

-  Main Roads
-  Power Lines (400kV)
-  Existing Substation
-  Mierdam SEF Application Site
-  Mierdam SEF PV Area
-  Substation Site
-  Laydown Area
-  O&M Buildings
-  Grid Connection
-  BESS Assessment Area (S30° 3.546': E22° 19.707')



SOURCE:
ESKOM, 2012
MAINSTREAM, 2020
NFEPA, 2011
NGI, 2014



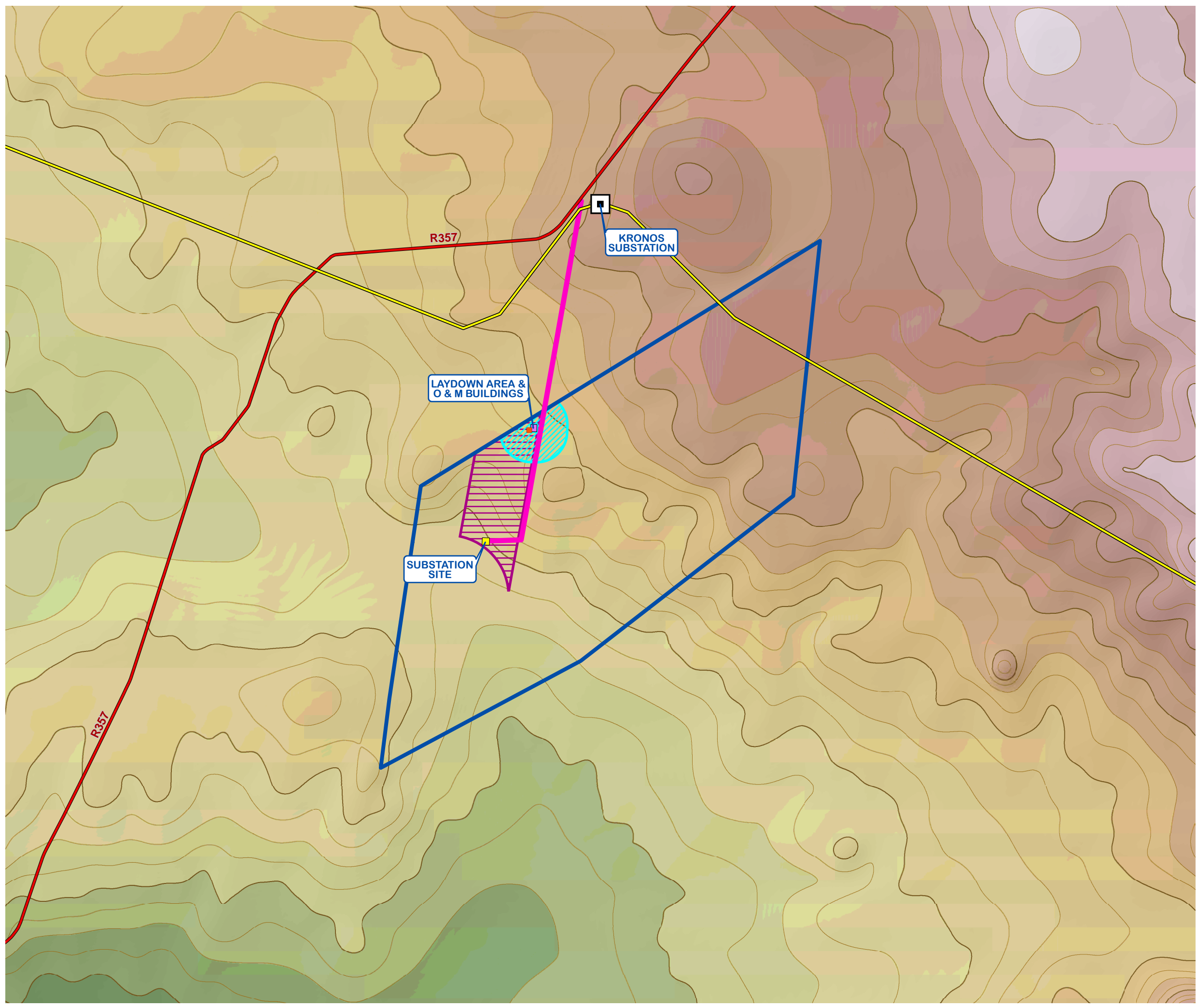
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



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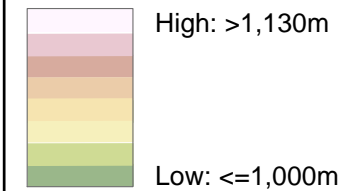
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PROVINCE
TOPOGRAPHY**



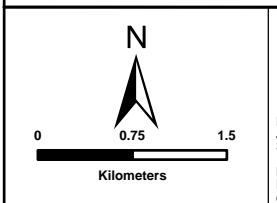
Legend

-  Main Roads
-  Power Lines (400kV)
-  Contours (20m Interval)
-  Contours (5m Interval)
-  Existing Substation
-  Mierdam SEF Application Site
-  Mierdam SEF PV Area
-  Substation Site
-  Laydown Area
-  O&M Buildings
-  Grid Connection
-  BESS Assessment Area

Elevation (msl)



SOURCE:
ESKOM, 2012
NGI, 2014



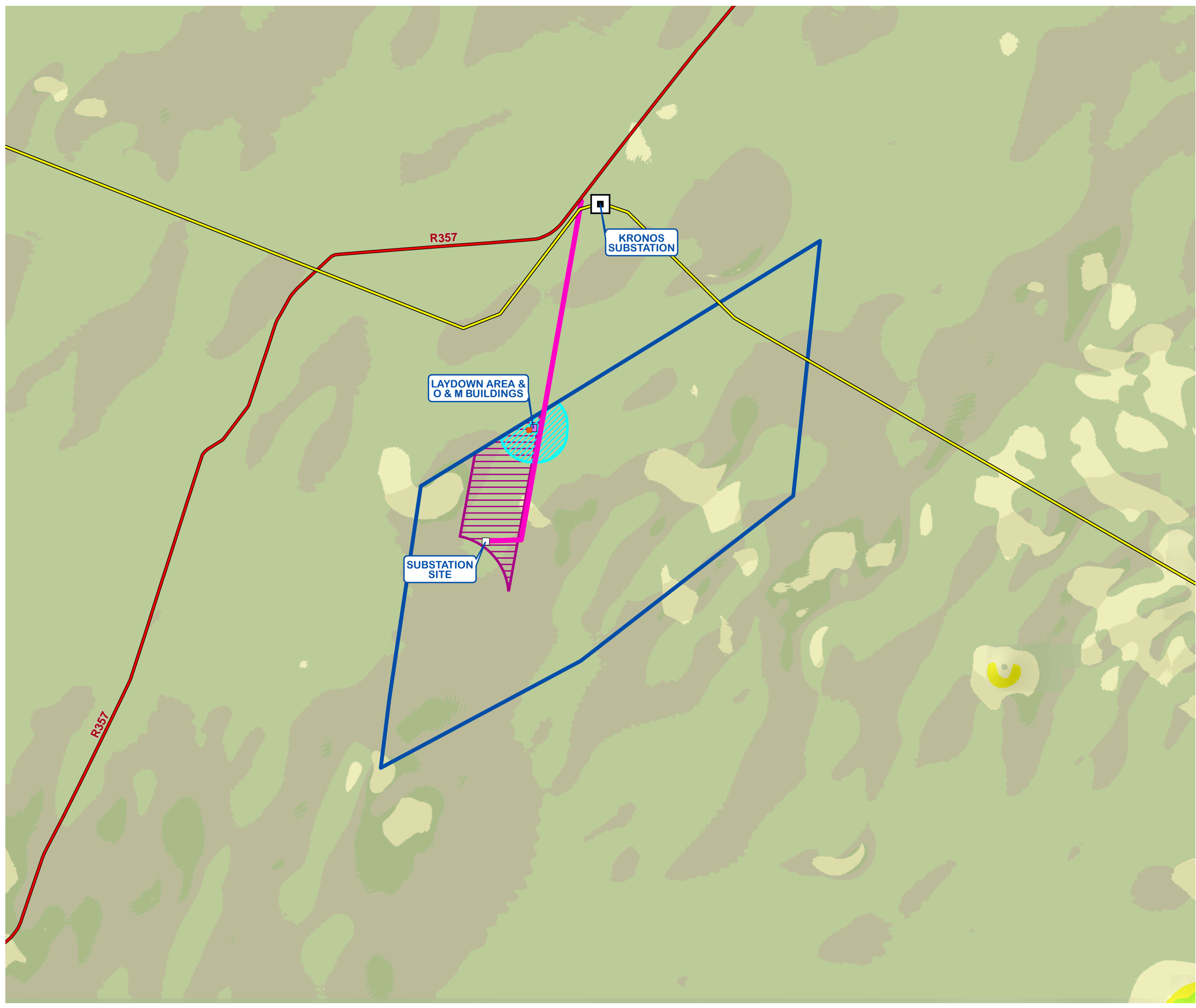
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Map Ref No 16499/MR_BA03	Revision 0	Date











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NEAR PRIESKA
NORTHERN CAPE
PROVINCE
SLOPE CLASSIFICATION**



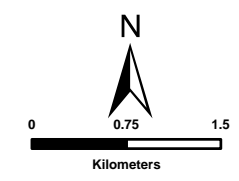
Legend

-  Main Roads
-  Power Lines (400kV)
-  Existing Substation
-  Mierdam SEF Application Site
-  Mierdam SEF PV Area
-  Substation Site
-  Laydown Area
-  O&M Buildings
-  Grid Connection
-  BESS Assessment Area

Slope Classification

-  Flatter than 1:50
-  1:50 - 1:20
-  1:20 - 1:15

SOURCE:
ESKOM, 2012
NGI, 2014



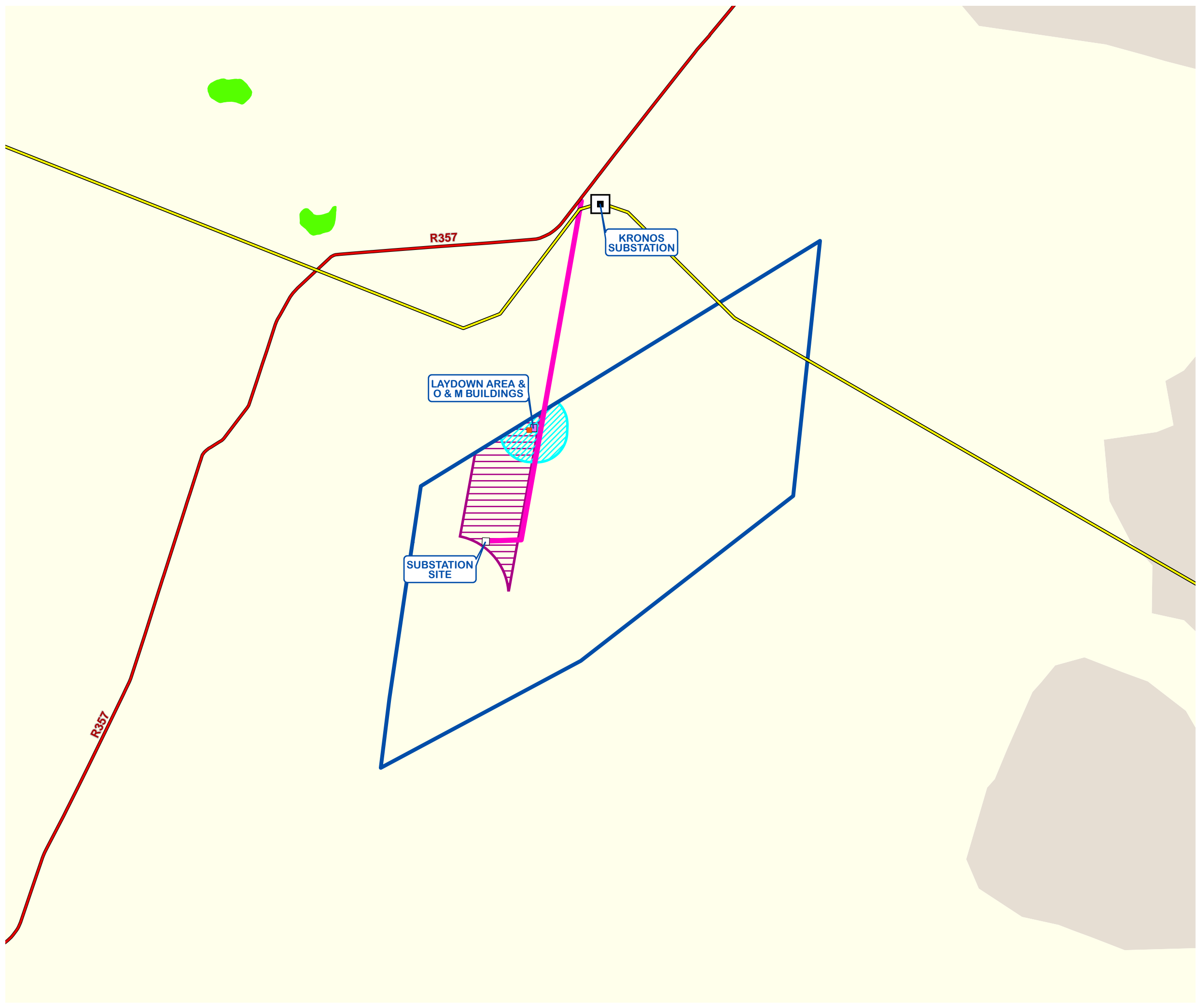
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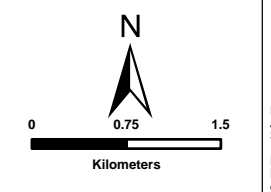
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MIERDAM SEF
NEAR PRIESKA
NORTHERN CAPE
PROVINCE
SLOPE CLASSIFICATION**



- Legend**
- Main Roads
 - Power Lines (400kV)
 - Existing Substation
 - Mierdam SEF Application Site
 - Mierdam SEF PV Area
 - Substation Site
 - Laydown Area
 - O&M Buildings
 - Grid Connection
 - BESS Assessment Area
- Vegetation Classification**
- Bushmanland Arid Grassland
 - Bushmanland Basin Shrubland
 - Bushmanland Vloere

SOURCE:
ESKOM, 2012
NGI, 2014
SANBI, 2018



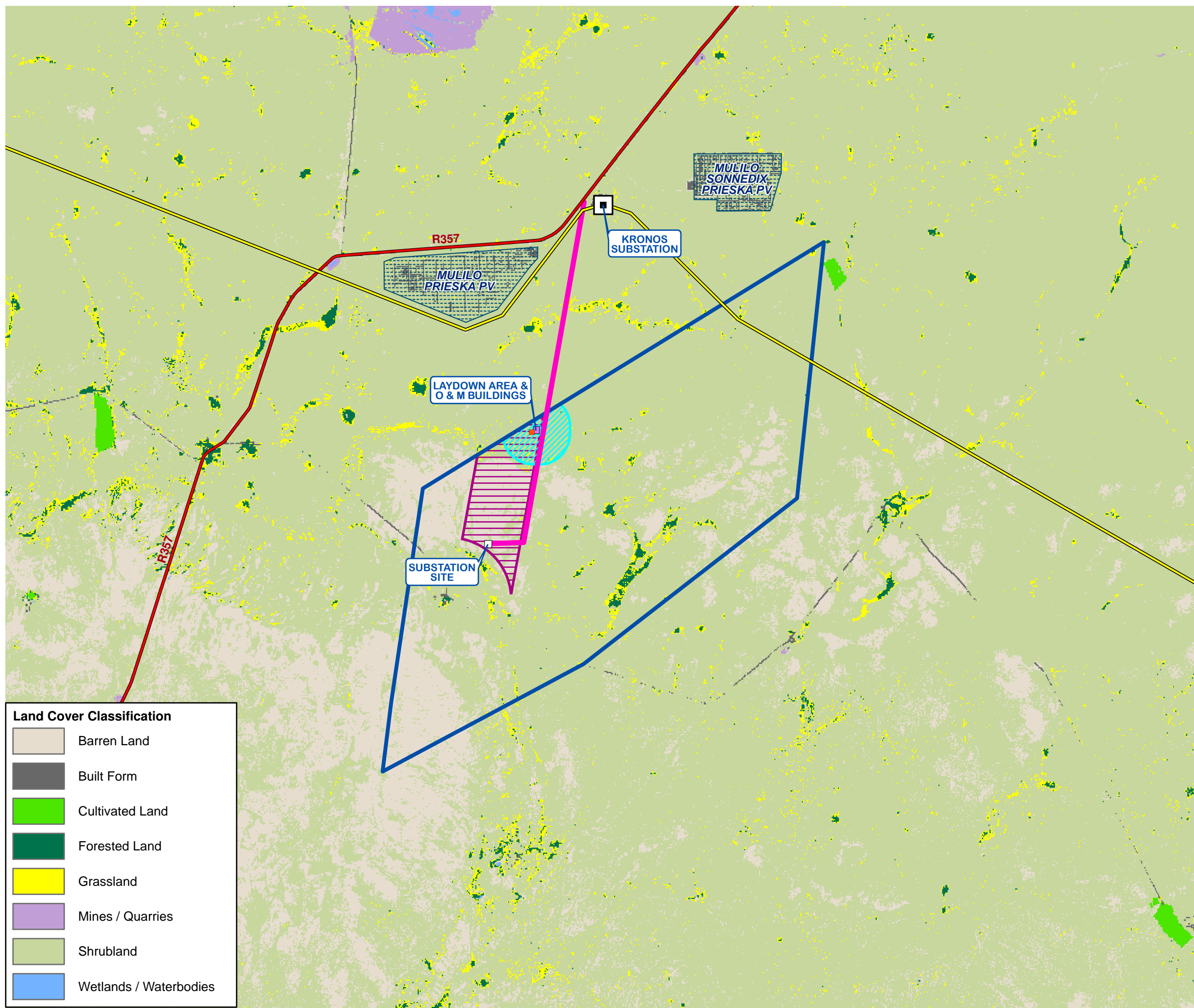
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



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MIERDAM SEF
NEAR PRIESKA
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PROVINCE
BROAD LAND COVER
CLASSIFICATION**



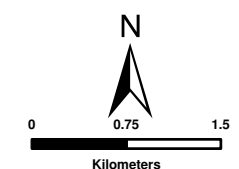
Legend

-  Main Roads
-  Power Lines (400kV)
-  Existing Substation
-  Solar Energy Facilities
-  Mierdam SEF Application Site
-  Mierdam SEF PV Area
-  Substation Site
-  Laydown Area
-  O&M Buildings
-  Grid Connection
-  BESS Assessment Area

Land Cover Classification

-  Barren Land
-  Built Form
-  Cultivated Land
-  Forested Land
-  Grassland
-  Mines / Quarries
-  Shrubland
-  Wetlands / Waterbodies

SOURCE:
ESKOM, 2012
NFEPA, 2011
2018 SA NATIONAL LAND COVER
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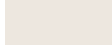
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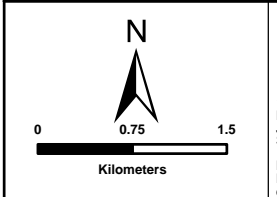
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NEAR PRIESKA
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PROVINCE
CRITICAL BIODIVERSITY AREAS**

Legend

-  Main Roads
 -  Power Lines (400kV)
 -  Existing Substation
 -  Mierdam SEF Application Site
 -  Mierdam SEF PV Area
 -  Substation Site
 -  Laydown Area
 -  O&M Buildings
 -  Grid Connection
 -  BESS Assessment Area
- CBA Classification**
-  Critical Biodiversity Area One
 -  Critical Biodiversity Area Two
 -  Ecological Support Area
 -  Other Natural Areas

SOURCE:
ESKOM, 2012
NGI, 2014
NORTHERN CAPE DEPT OF ENVIRONMENT AND
CONSERVATION, 2016

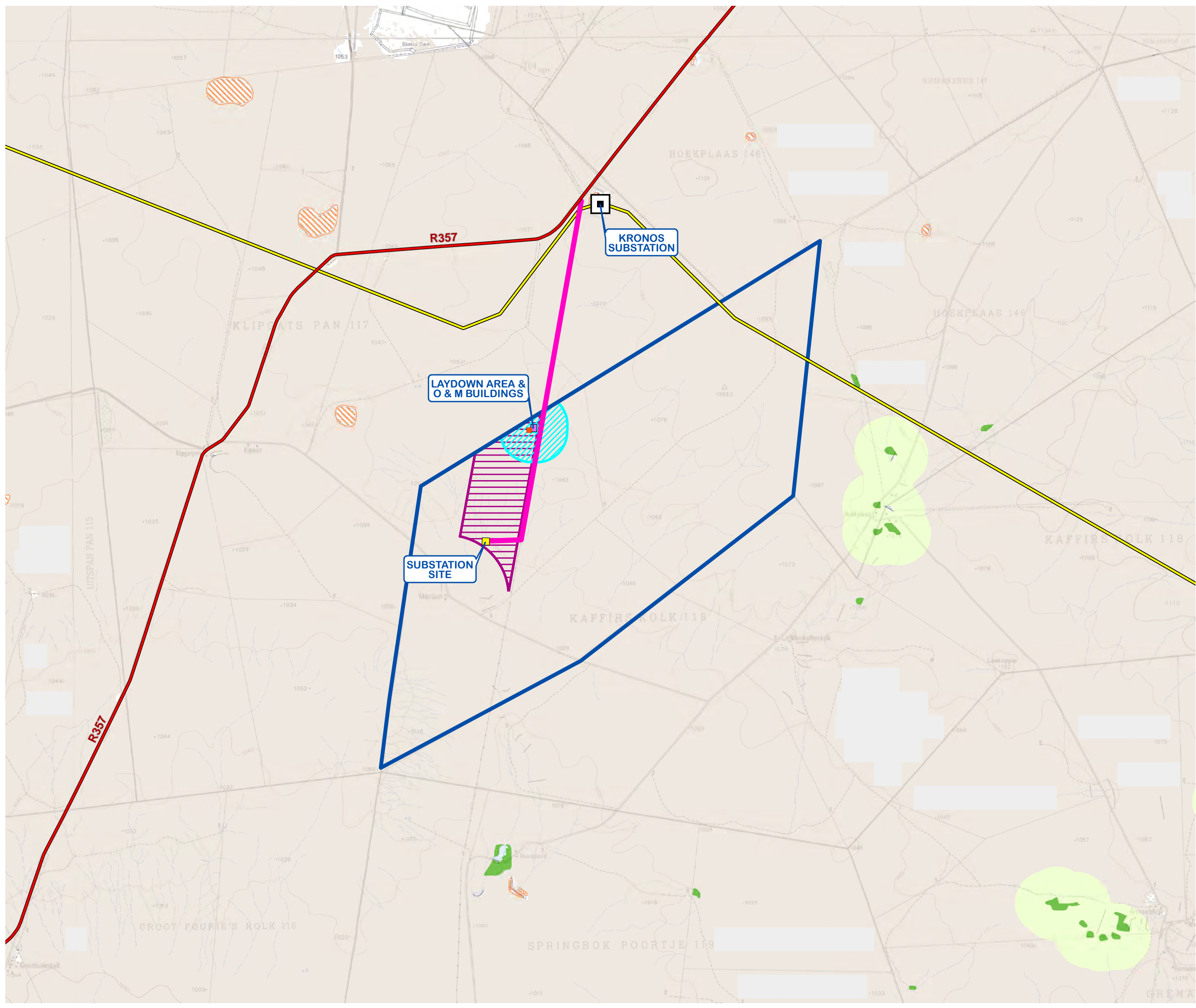


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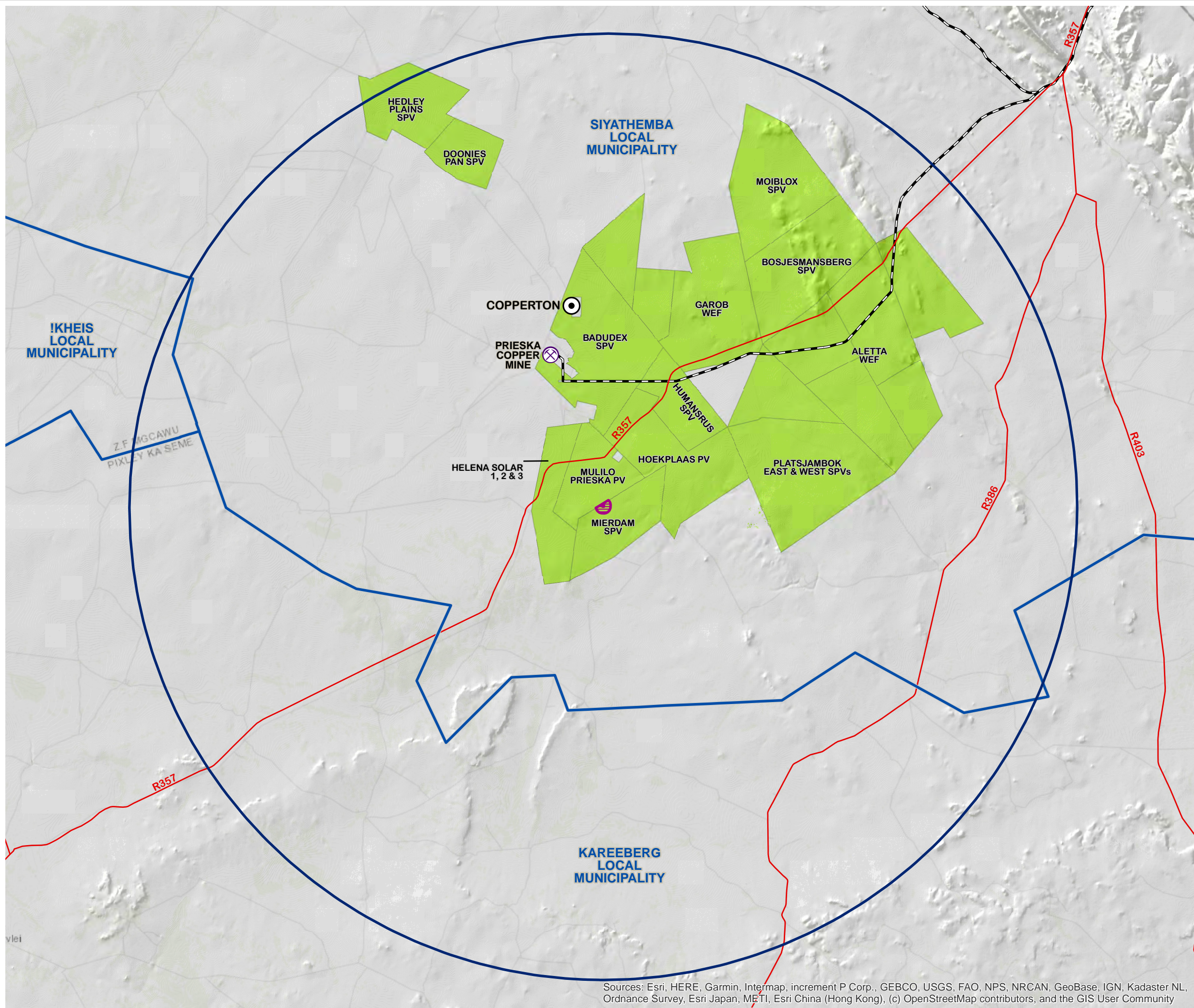
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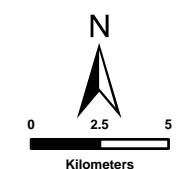
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NORTHERN CAPE
PROVINCE
RENEWABLE ENERGY PROJECTS
WITHIN 35KMS RADIUS
(EXISTING AND PROPOSED)**

Legend

-  Local Municipal Boundaries
-  Main Road
-  Railways
-  Main Towns
-  BESS Assessment Area
-  35km Radius
-  Renewable Energy Application Sites



SOURCE:
DEFF, 2020
ESKOM, 2012
MAINSTREAM, 2020
NGI, 2014



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