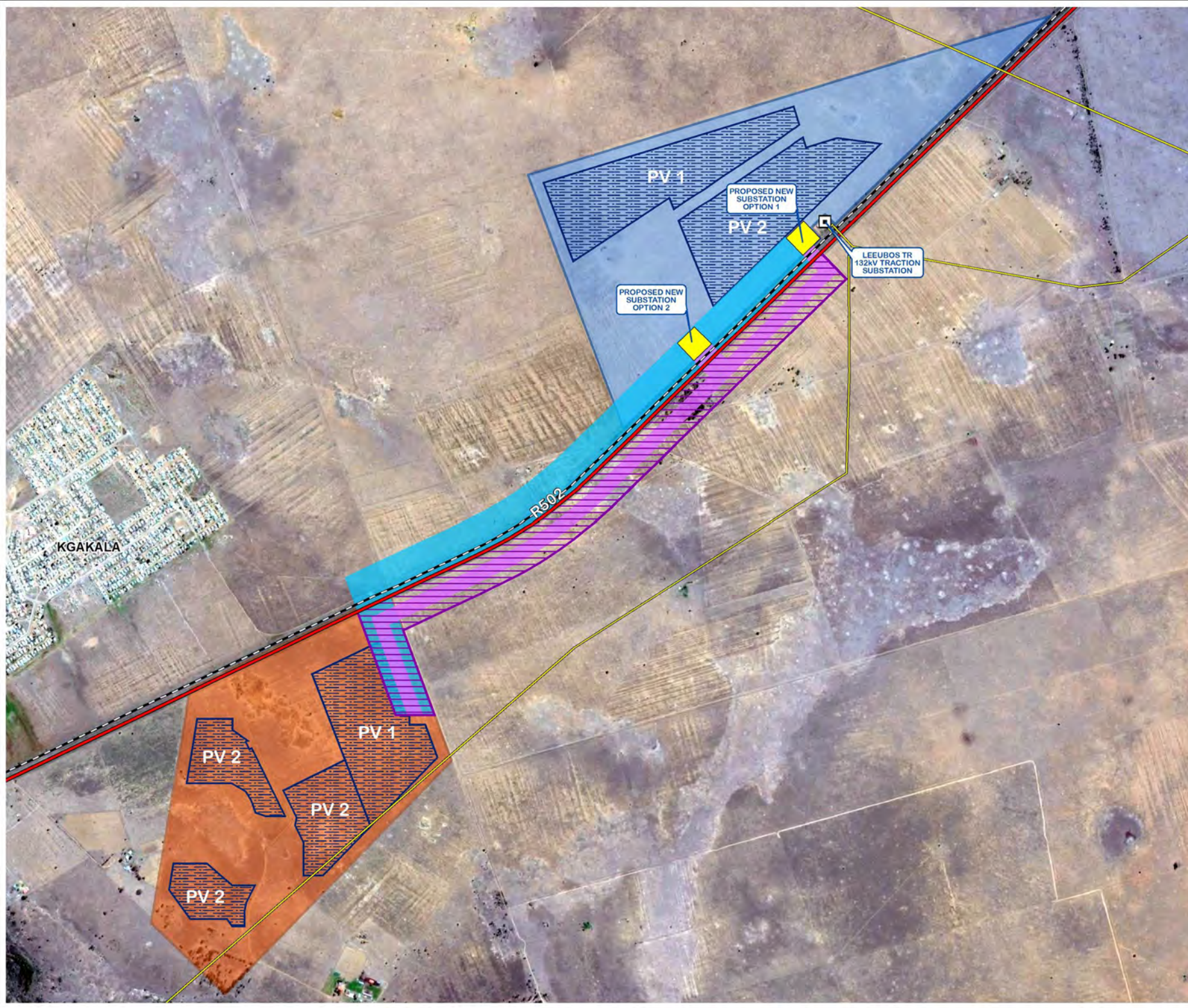













**PROPOSED  
CONSTRUCTION OF  
A SOLAR PHOTOVOLTAIC  
(PV) ENERGY FACILITY**  
**WILDEBEESTKUIL PV2 PROJECT  
NEAR LEEUDORINGSTAD  
NORTH WEST PROVINCE**  
**ASSOCIATED PROJECTS**



**Legend**

-  Main Road
-  Railway
-  Existing High Voltage Power Lines (88, 132 & 400kV)
-  Existing Substations
-  Leeuwbosch PV1 & PV2 Application Site
-  Wildebeestkuil PV1 & PV2 Application Site
-  PV Project Development Areas
-  Proposed Power Line Corridor (Option 1)
-  Proposed Power Line Corridor (Option 2A)
-  Proposed Power Line Corridor (Option 2B)
-  Proposed New Substation Site Alternatives

SOURCE:  
GOOGLE EARTH, 2016

 0 200 400 Meters	 <b>ENVIRONMENTAL DIVISION</b> 51 WESSELS ROAD RIVONIA, 2128 JOHANNESBURG SOUTH AFRICA Phone: +27 11 788 0600 Fax: +27 11 803 1272 e-mail: info@sivest.co.za
--	---

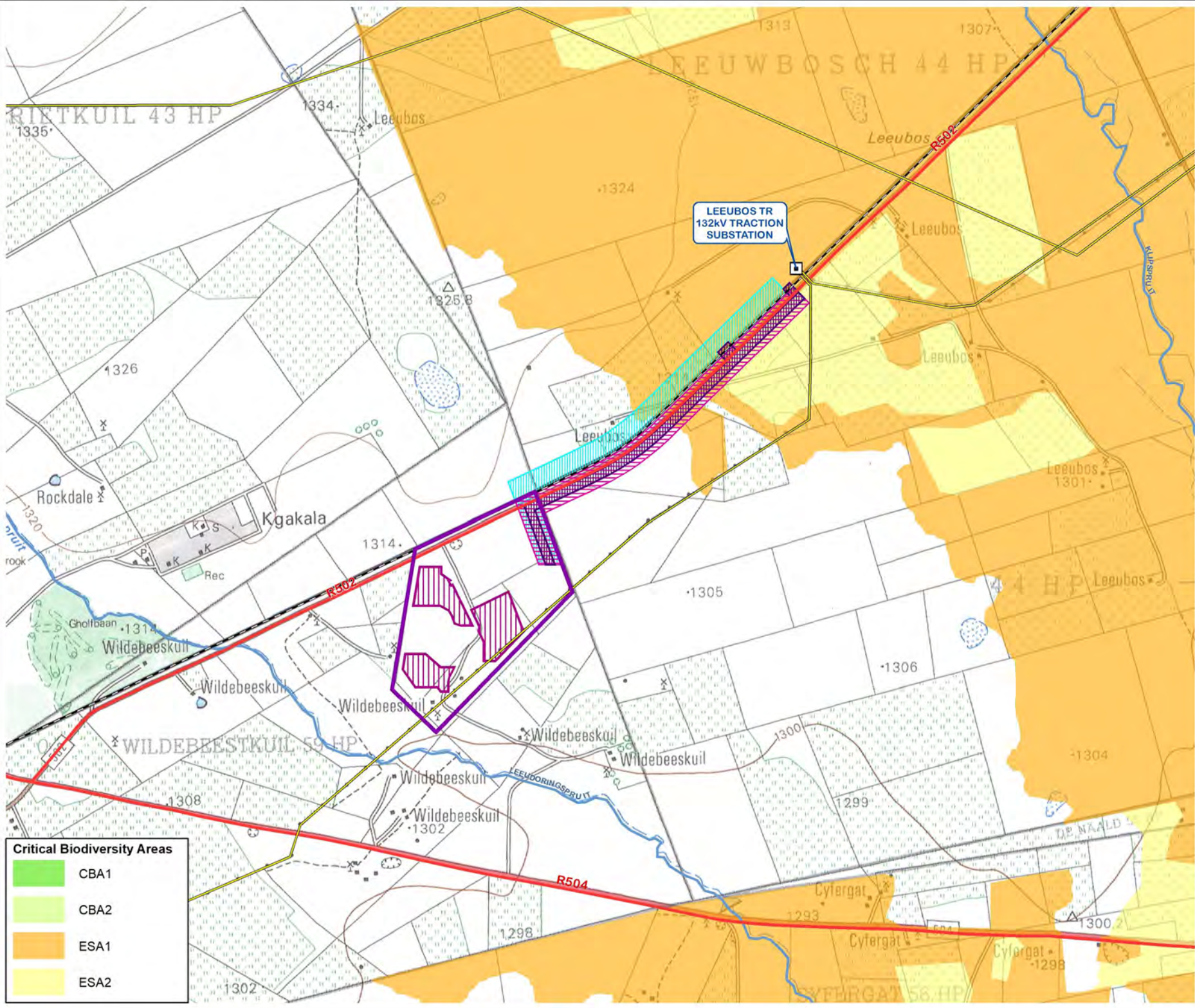
Project No 15962	Prepared By KLS	Date 08/08/2020
Map Ref No 15962/W2_BA11	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT



**PROPOSED  
CONSTRUCTION OF  
A SOLAR PHOTOVOLTAIC  
(PV) ENERGY FACILITY**  
**WILDEBEESTKUIL PV2 PROJECT**  
**NEAR LEEUDORINGSTAD**  
**NORTH WEST PROVINCE**  
**CRITICAL BIODIVERSITY  
AREAS**



**Legend**

- Main Roads
  - Railway
  - Rivers
  - Existing High Voltage Power Lines (88, 132 & 400kV)
  - Existing Substations
  - Wildebeestkuil PV2 Application Site
  - PV Development Area
- Grid Connection Assessment Options**
- Option 1 (Overhead Lines)
  - Option 2A (Overhead Lines)
  - Option 2B (Underground Line)

**Critical Biodiversity Areas**

- CBA1
- CBA2
- ESA1
- ESA2

**SOURCE:**  
ESKOM, 2012  
NORTH WEST TERRESTRIAL CRITICAL BIODIVERSITY AREAS 2015

Meters

**ENVIRONMENTAL DIVISION**  
51 WESSELS ROAD  
RIVONIA, 2128  
JOHANNESBURG  
SOUTH AFRICA

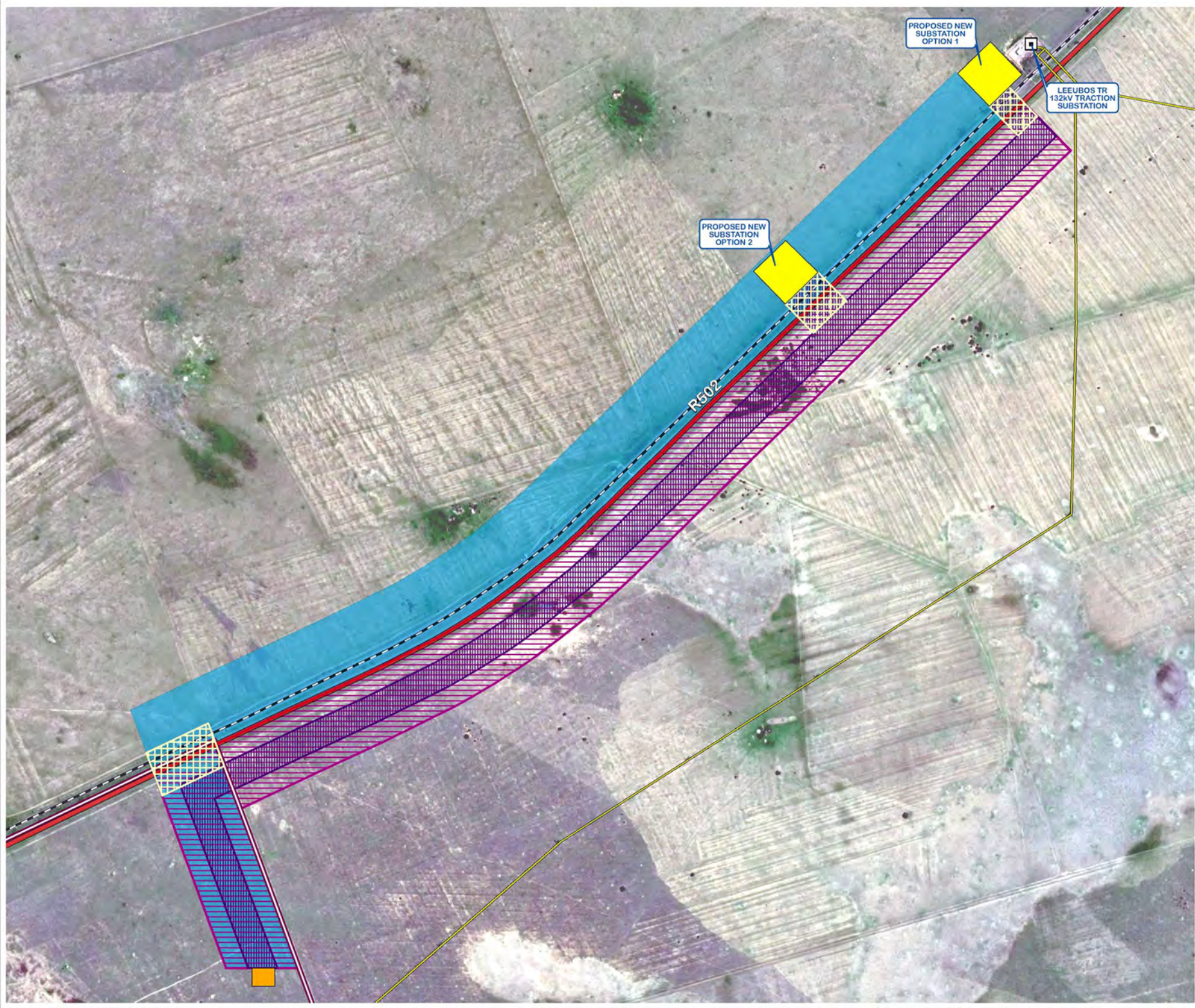
Phone: +27 11 788 0600  
Fax: +27 11 803 1272  
e-mail: info@sivest.co.za

Project No 15962	Prepared By KLS	Date 06/08/2020
Map Ref No 15962/W2_BA09	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

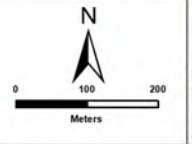




**PROPOSED CONSTRUCTION OF A PHOTOVOLTAIC (PV) ENERGY FACILITY**  
**WILDEBEESTKUIL PV2 PROJECT**  
**NEAR LEEUDORINGSTAD**  
**NORTH WEST PROVINCE**  
**PROPOSED GRID CONNECTION ALTERNATIVES**

- Legend**
- Main Roads
  - Railway
  - Existing High Voltage Power Lines (132 & 400kV)
  - Existing Substation
  - Proposed Substation Site Alternatives (Subject of Separate Application)
  - Wildebeestkuil PV2 Application Site
- Proposed Grid Connection Components**
- Option 1 (Overhead Lines)
  - Option 2A (Overhead Lines)
  - Option 2B (Underground Line)
  - Switching Substation
  - Underground Road/Rail Crossings

SOURCE:  
GOOGLE EARTH, 2019



**SIVEST**  
 ENVIRONMENTAL DIVISION  
 51 WESSELS ROAD  
 RICHVA, 2128  
 JOHANNESBURG  
 SOUTH AFRICA  
 Phone: +27 11 788 0600  
 Fax: +27 11 803 1272  
 e-mail: info@sivest.co.za

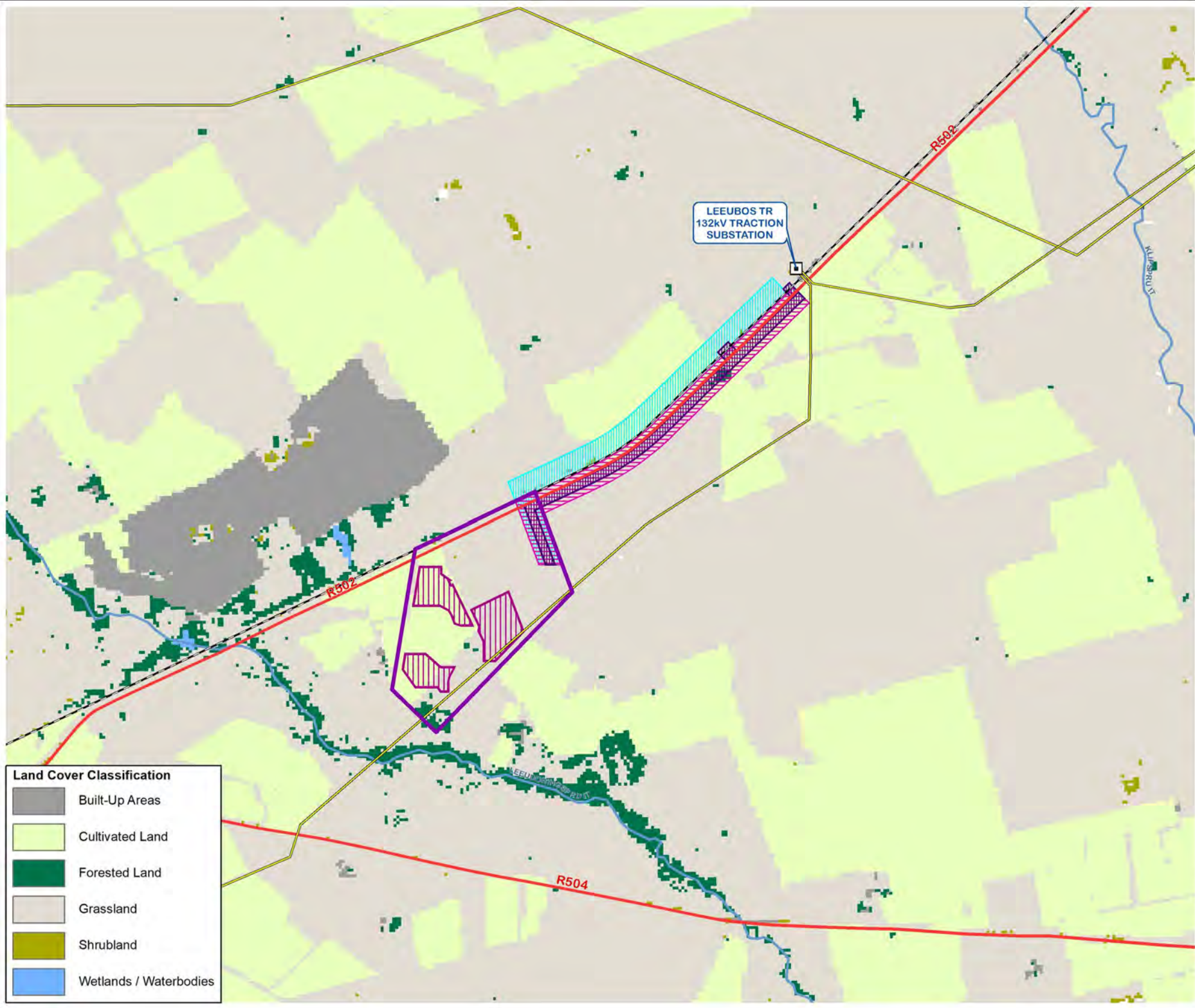
Project No 15962	Prepared By KLS	Date 31/03/2020
Map Ref No 15962/W2_BA04	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT



**PROPOSED  
CONSTRUCTION OF  
A SOLAR PHOTOVOLTAIC  
(PV) ENERGY FACILITY**  
**WILDEBEESTKUII PV2 PROJECT  
NEAR LEEUDORINGSTAD  
NORTH WEST PROVINCE**  
**BROAD LAND COVER  
CLASSIFICATION**



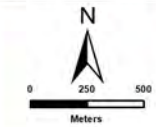
**Legend**

- Main Roads
  - Railway
  - Rivers
  - Existing High Voltage Power Lines (88, 132 & 400kV)
  - Existing Substations
  - Wildebeestkuii PV2 Application Site
  - PV Development Area
- Grid Connection Assessment Options**
- Option 1 (Overhead Lines)
  - Option 2A (Overhead Lines)
  - Option 2B (Underground Line)

**Land Cover Classification**

	Built-Up Areas
	Cultivated Land
	Forested Land
	Grassland
	Shrubland
	Wetlands / Waterbodies

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



**SIVEST**

ENVIRONMENTAL DIVISION  
51 WESSELS ROAD  
RIVONIA, 2128  
JOHANNESBURG  
SOUTH AFRICA

Phone: +27 11 788 0600  
Fax: +27 11 803 1272  
e-mail: info@sivest.co.za

Project No 15962	Prepared By KLS	Date 06/08/2020
---------------------	--------------------	--------------------

Map Ref No 15962/W2_BA08	Revision 0	Date
-----------------------------	---------------	------

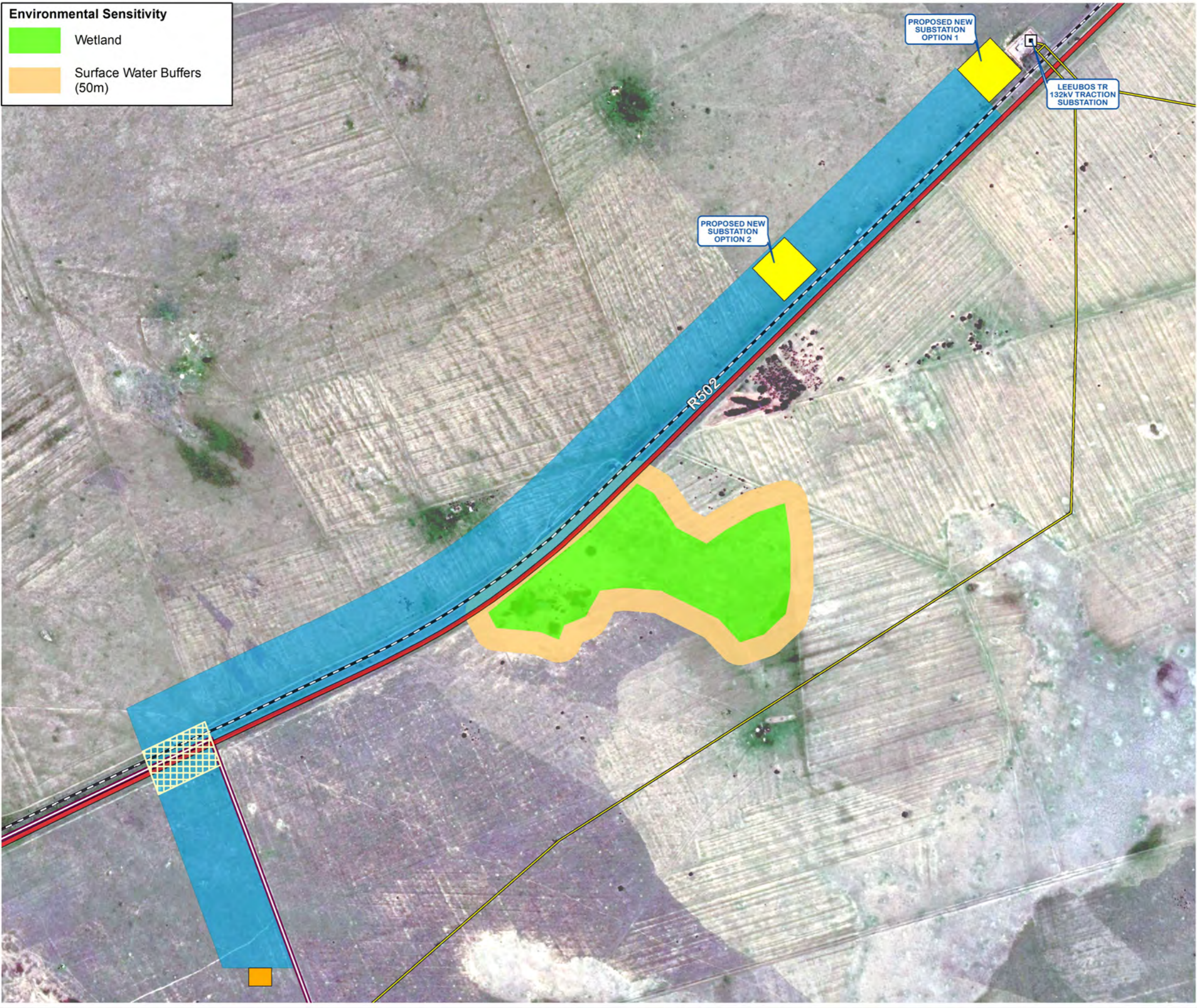
"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT



**Environmental Sensitivity**

- Wetland
- Surface Water Buffers (50m)



**PROPOSED  
CONSTRUCTION OF  
A PHOTOVOLTAIC  
(PV) ENERGY FACILITY**

**WILDEBEESTKUIL PV2 PROJECT  
NEAR LEEUDORINGSTAD  
NORTH WEST PROVINCE**

**PREFERRED GRID CONNECTION  
ALTERNATIVES WITH  
ENVIRONMENTAL SENSITIVITY  
OVERLAY**

**Legend**

- Main Roads
- Railway
- Existing High Voltage Power Lines (132 & 400kV)
- Existing Substation
- Proposed Substation Site Alternatives (Subject of Separate Application)
- Wildebeestkuil PV2 Application Site

**Proposed Grid Connection Components**

- Preferred Corridor: Option 1 (Overhead Lines)
- Switching Substation
- Underground Road/Rail Crossing

SOURCE:  
GOOGLE EARTH, 2019

**SIVEST**

ENVIRONMENTAL DIVISION  
51 WESSELS ROAD  
RIVONIA, 2128  
JOHANNESBURG  
SOUTH AFRICA

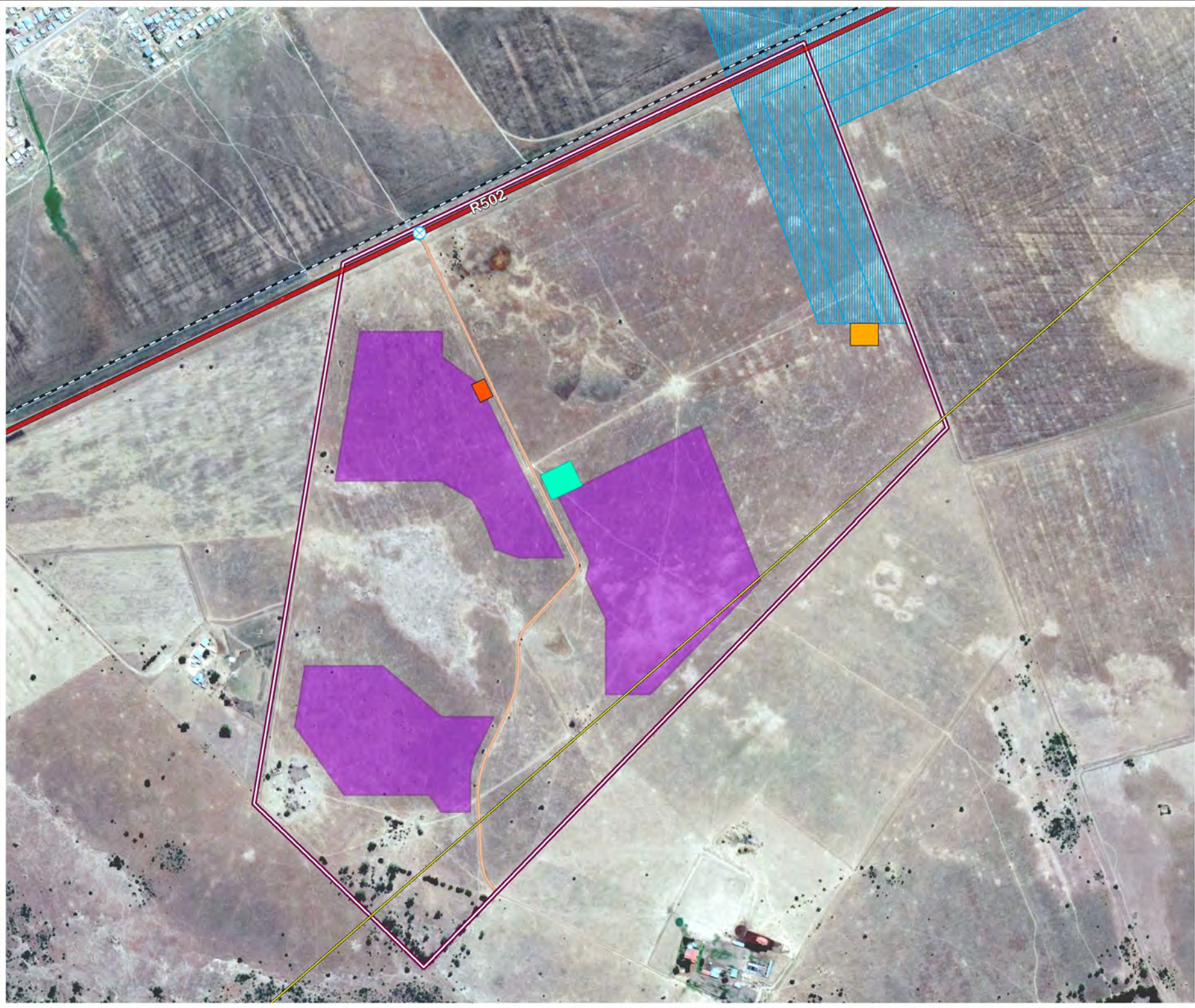
Phone: +27 11 798 0600  
Fax: +27 11 803 7272  
e-mail: info@sivest.co.za

Project No 15962	Prepared By KLS	Date 17/05/2021
Map Ref No 15962/W2_BA14	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

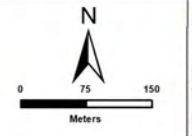




**PROPOSED  
CONSTRUCTION OF  
A PHOTOVOLTAIC  
(PV) ENERGY FACILITY**  
**WILDEBEESTKUIL PV2 PROJECT  
NEAR LEEUDORINGSTAD  
NORTH WEST PROVINCE**  
**PROPOSED SITE LAYOUT**

- Legend**
- Main Roads
  - Railway
  - Existing High Voltage Power Lines (132 & 400kV)
  - Wildebeestkuil PV2 Application Site
  - Grid Connection Assessment Corridors
- Proposed Layout Components**
- PV Development Area
  - Temporary Building Zone
  - Switching Substation
  - Guardhouse
  - Existing Roads (To be Upgraded)
  - Site Access Point

SOURCE:  
GOOGLE EARTH, 2019



**SIVEST**  
**ENVIRONMENTAL DIVISION**  
 51 WESSELS ROAD  
 RIVONIA, 2128  
 JOHANNESBURG  
 SOUTH AFRICA  
 Phone: +27 11 788 0000  
 Fax: +27 11 803 1272  
 e-mail: info@sivest.co.za

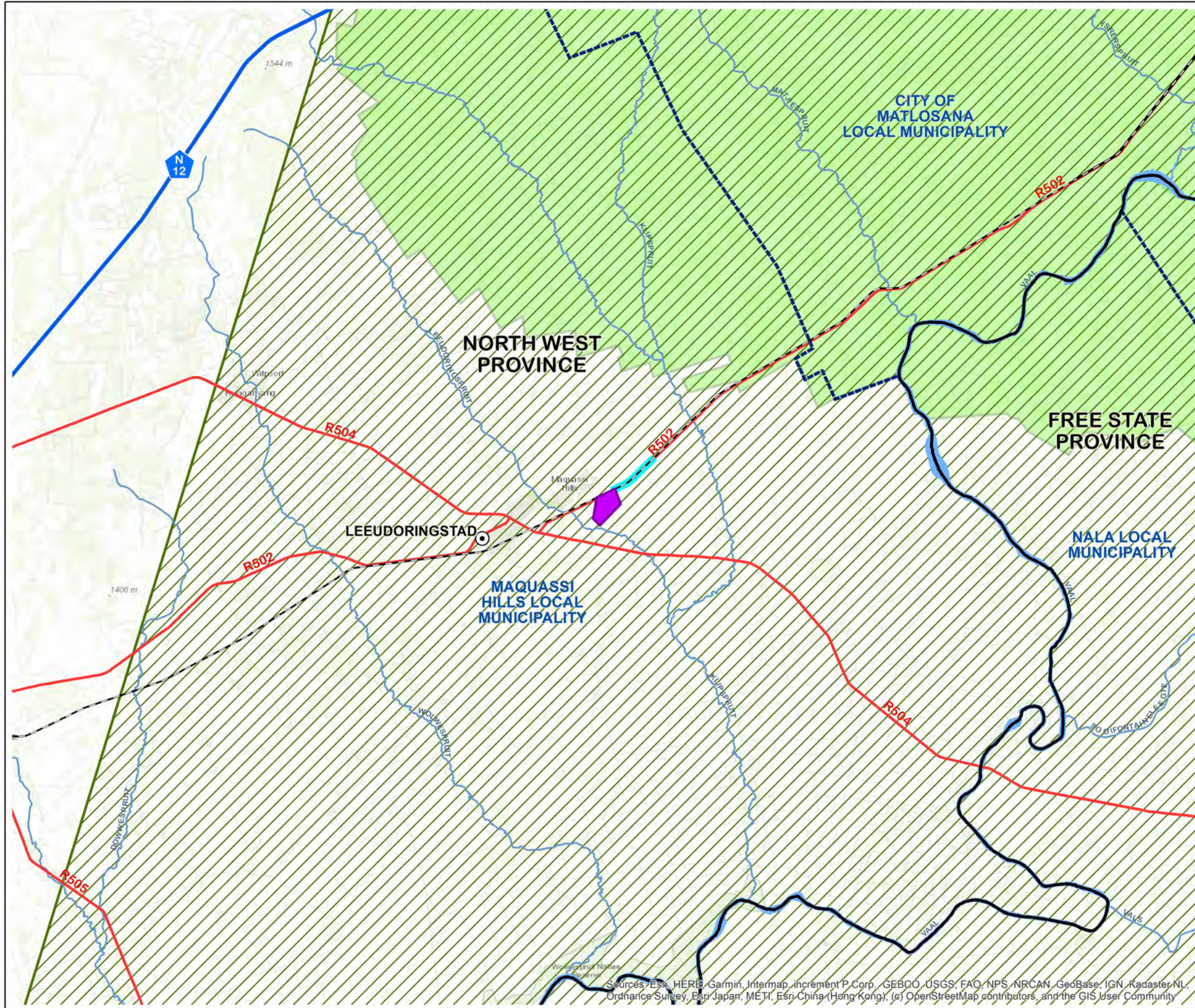
Project No 15962	Prepared By KLS	Date 31/03/2020
Map Ref No 15962/W2_BA03	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT



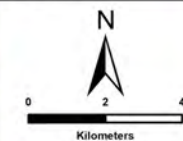
**PROPOSED  
CONSTRUCTION OF  
A SOLAR PHOTOVOLTAIC  
(PV) ENERGY FACILITY**  
**WILDEBEESTKUIL PV2 PROJECT  
NEAR LEEUDORINGSTAD  
NORTH WEST PROVINCE**  
**RENEWABLE ENERGY  
DEVELOPMENT ZONES AND  
STRATEGIC TRANSMISSION  
CORRIDORS**



**Legend**

- ⊙ Main Towns
- Provincial Boundaries
- - - Local Municipal Boundaries
- National Route (N12)
- Main Roads
- Railway
- Rivers
- ▨ Klerksdorp - REDZ10
- ▨ Central Strategic Transmission Corridor
- Wildebeestkuil PV2 Application Site
- Grid Connection Assessment Corridors

SOURCE:  
ESRI, 2020  
MUNICIPAL DEMARCATION BOARD, 2016  
NGI, 2015



**ENVIRONMENTAL DIVISION**  
51 WESSELS ROAD  
RIVONIA, 2125  
JOHANNESBURG  
SOUTH AFRICA  
Phone: +27 11 798 0600  
Fax: +27 11 803 7272  
e-mail: info@sivest.co.za

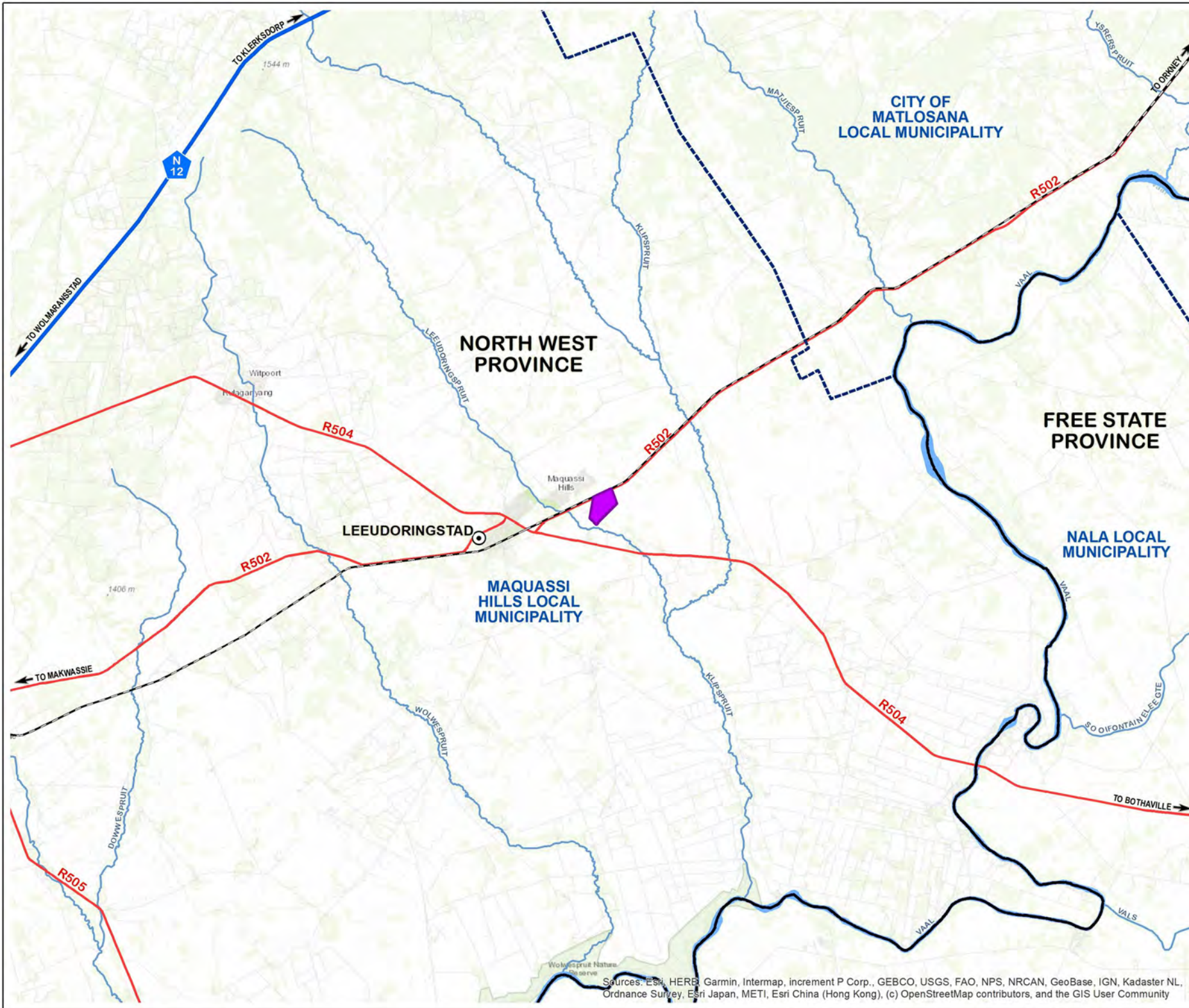
Project No 15962	Prepared By KLS	Date 20/05/2021
Map Ref No 15962/W2_BA15	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





**PROPOSED  
CONSTRUCTION OF  
A SOLAR PHOTOVOLTAIC  
(PV) ENERGY FACILITY**  
**WILDEBEESTKUIL PV2 PROJECT  
NEAR LEEUDORINGSTAD  
NORTH WEST PROVINCE**  
**REGIONAL CONTEXT**

- Legend**
- Main Towns
  - Provincial Boundaries
  - Local Municipal Boundaries
  - National Route (N12)
  - Main Roads
  - Railway
  - Rivers
  - Wildebeestkuil PV2 Application Site

SOURCE:  
 ESRI, 2020  
 MUNICIPAL DEMARCATION BOARD, 2016  
 NGI, 2015

Kilometers

**ENVIRONMENTAL DIVISION**  
 51 WESSELS ROAD  
 RICHVA, 2128  
 JOHANNESBURG  
 SOUTH AFRICA  
 Phone: +27 11 788 0600  
 Fax: +27 11 803 7272  
 e-mail: info@sivest.co.za

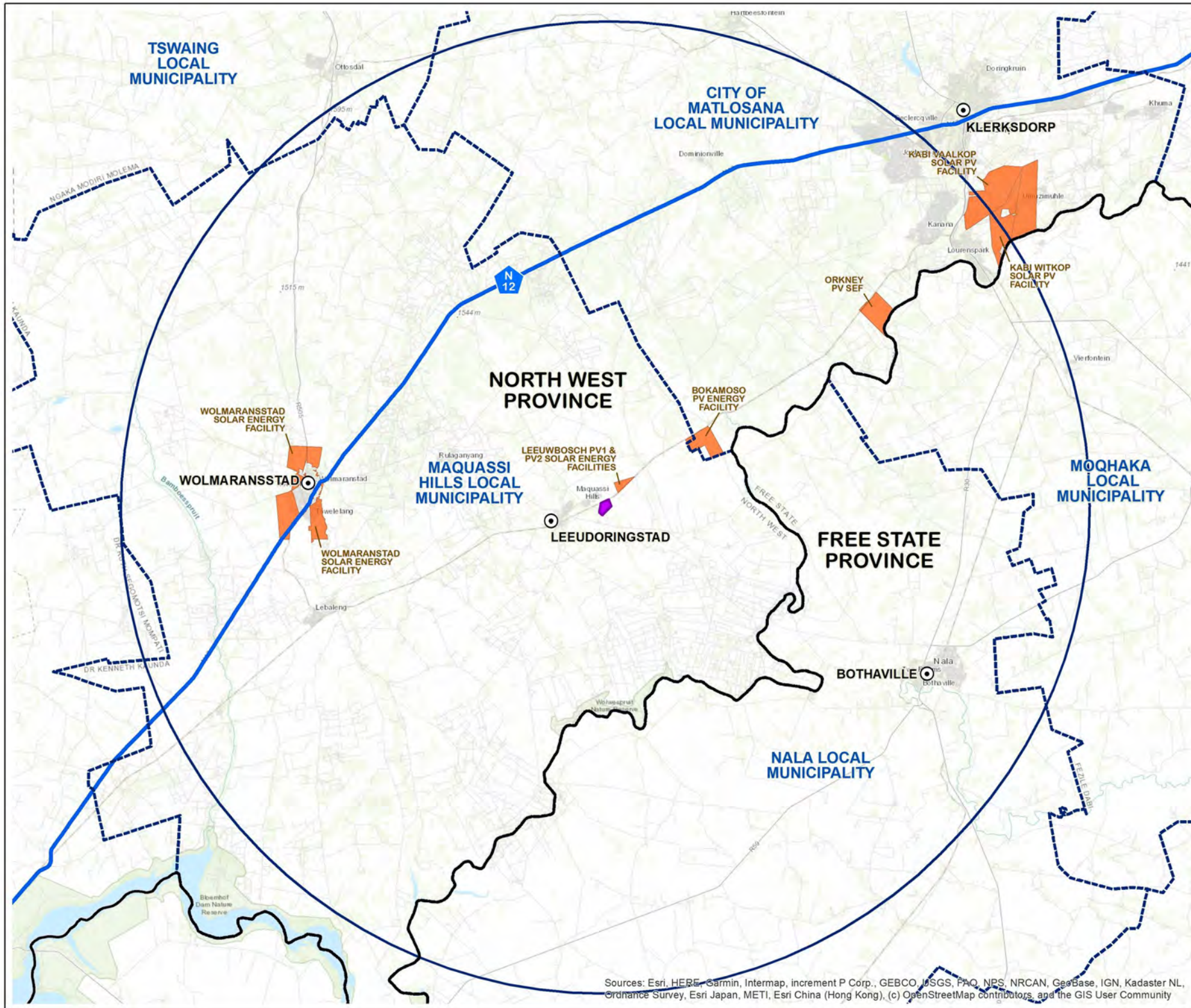
Project No 15962	Prepared By KLS	Date 07/08/2020
Map Ref No 15962/W2_BA01	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





**PROPOSED CONSTRUCTION OF A SOLAR PHOTOVOLTAIC (PV) ENERGY FACILITY**  
**WILDEBEESTKUIL PV2 PROJECT NEAR LEEUDORINGSTAD**  
**NORTH WEST PROVINCE**  
**RENEWABLE ENERGY PROJECTS (PROPOSED)**

- Legend**
- ⊙ Main Towns
  - Provincial Boundaries
  - - - Local Municipal Boundaries
  - National Route (N12)
  - Wildebeestkuil PV2 Application Site
  - 50km Radius
- Renewable Energy Application Sites**
- Solar PV

SOURCE:  
 DEFF, 2020  
 ESRI, 2020  
 MUNICIPAL DEMARCATION BOARD, 2016

**SIVEST**

ENVIRONMENTAL DIVISION  
 51 WESSELS ROAD  
 RICHVA, 2128  
 JOHANNESBURG  
 SOUTH AFRICA

Phone: +27 11 788 0600  
 Fax: +27 11 803 1272  
 e-mail: info@sivest.co.za

Project No 15962	Prepared By KLS	Date 07/08/2020
Map Ref No 15962/W2_BA10	Revision 0	Date

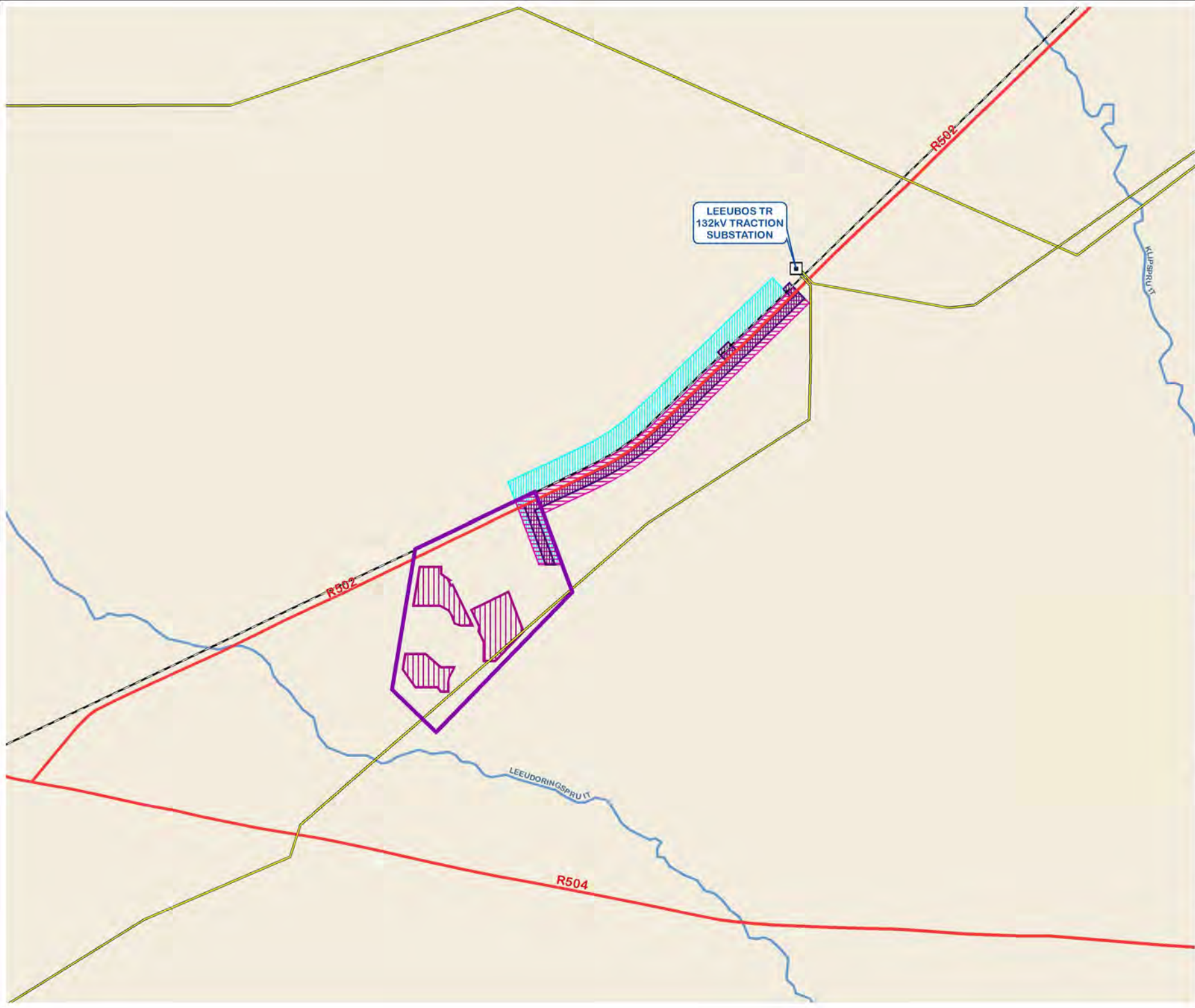
"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, JGSF, FNO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



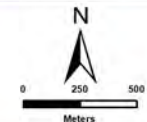
**PROPOSED  
CONSTRUCTION OF  
A SOLAR PHOTOVOLTAIC  
(PV) ENERGY FACILITY**  
**WILDEBEESTKUIL PV2 PROJECT**  
**NEAR LEEUDORINGSTAD**  
**NORTH WEST PROVINCE**  
**VEGETATION CLASSIFICATION**



**Legend**

- Main Roads
  - Railway
  - Rivers
  - Existing High Voltage Power Lines (88, 132 & 400kV)
  - Existing Substations
  - Wildebeestkuil PV2 Application Site
  - PV Development Area
- Grid Connection Assessment Options**
- Option 1 (Overhead Lines)
  - Option 2A (Overhead Lines)
  - Option 2B (Underground Line)
- Vegetation Classification**
- Vaal-Vet Sandy Grassland

SOURCE:  
 ESKOM, 2012  
 NGI, 2015  
 SANBI, 2018



**SIVEST**  
**ENVIRONMENTAL DIVISION**  
 51 WESSELS ROAD  
 RIVONIA, 2128  
 JOHANNESBURG  
 SOUTH AFRICA  
 Phone: +27 11 786 9600  
 Fax: +27 11 803 7272  
 e-mail: info@sivest.co.za

Project No 15962	Prepared By KLS	Date 06/08/2020
---------------------	--------------------	--------------------

Map Ref No 15962/W2_BA07	Revision 0	Date
-----------------------------	---------------	------

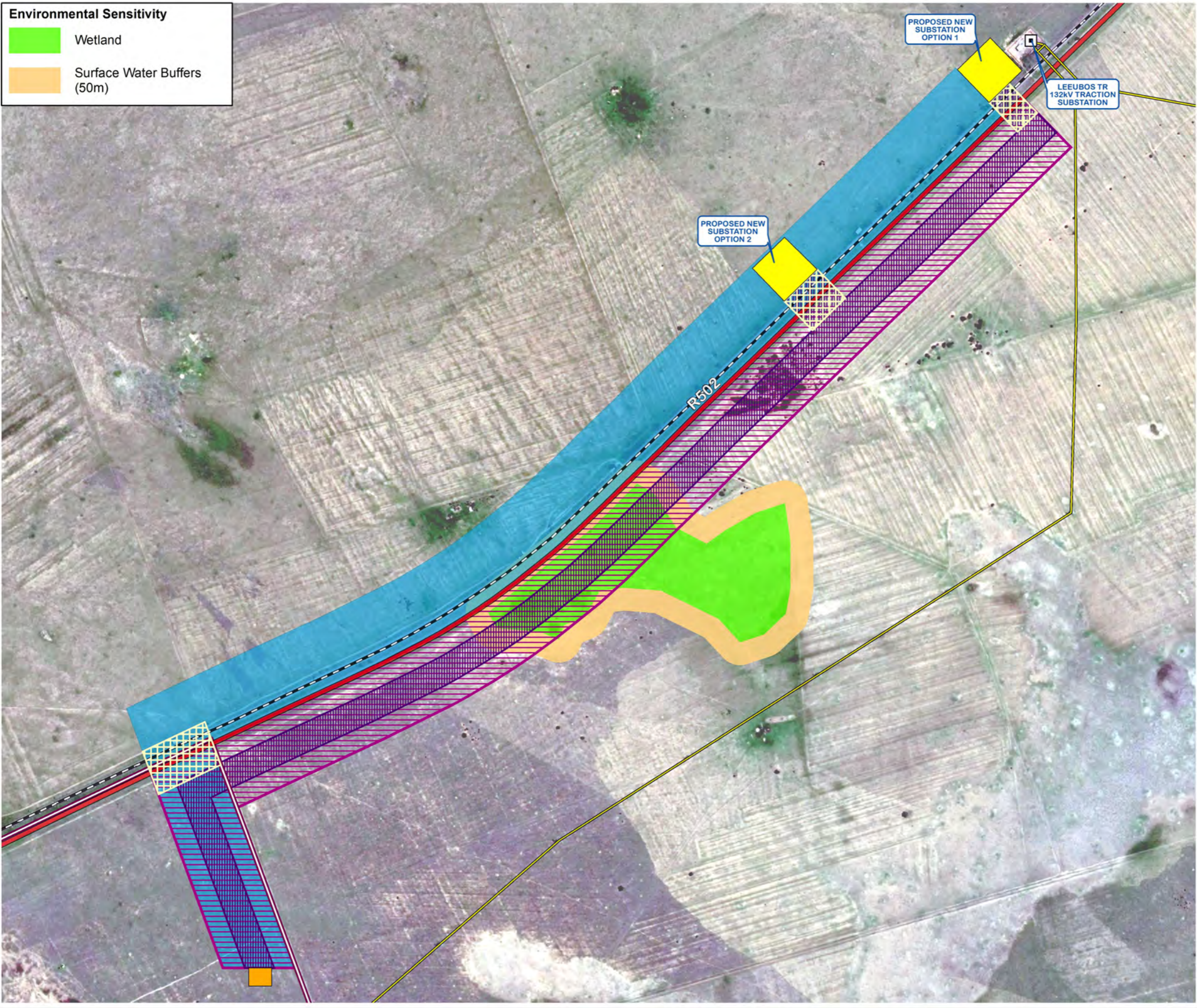
"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT



**Environmental Sensitivity**

- Wetland
- Surface Water Buffers (50m)



**PROPOSED  
CONSTRUCTION OF  
A PHOTOVOLTAIC  
(PV) ENERGY FACILITY**

**WILDEBEESTKUIL PV2 PROJECT  
NEAR LEEUDORINGSTAD  
NORTH WEST PROVINCE**

**PROPOSED GRID CONNECTION  
ALTERNATIVES WITH  
ENVIRONMENTAL SENSITIVITY  
OVERLAY**

**Legend**

- Main Roads
- Railway
- Existing High Voltage Power Lines (132 & 400kV)
- Existing Substation
- Proposed Substation Site Alternatives (Subject of Separate Application)
- Wildebeestkuil PV2 Application Site

**Proposed Grid Connection Components**

- Option 1 (Overhead Lines)
- Option 2A (Overhead Lines)
- Option 2B (Underground Line)
- Switching Substation
- Underground Road/Rail Crossings

SOURCE:  
GOOGLE EARTH, 2019



N



0 100 200  
Meters



**SIVEST**

ENVIRONMENTAL DIVISION  
51 WESSELS ROAD  
RIVONIA, 2128  
JOHANNESBURG  
SOUTH AFRICA

Phone: +27 11 798 0600  
Fax: +27 11 803 7272  
e-mail: info@sivest.co.za





Project No 15962	Prepared By KLS	Date 23/03/2021
Map Ref No 15962/W2_BA13	Revision 0	Date

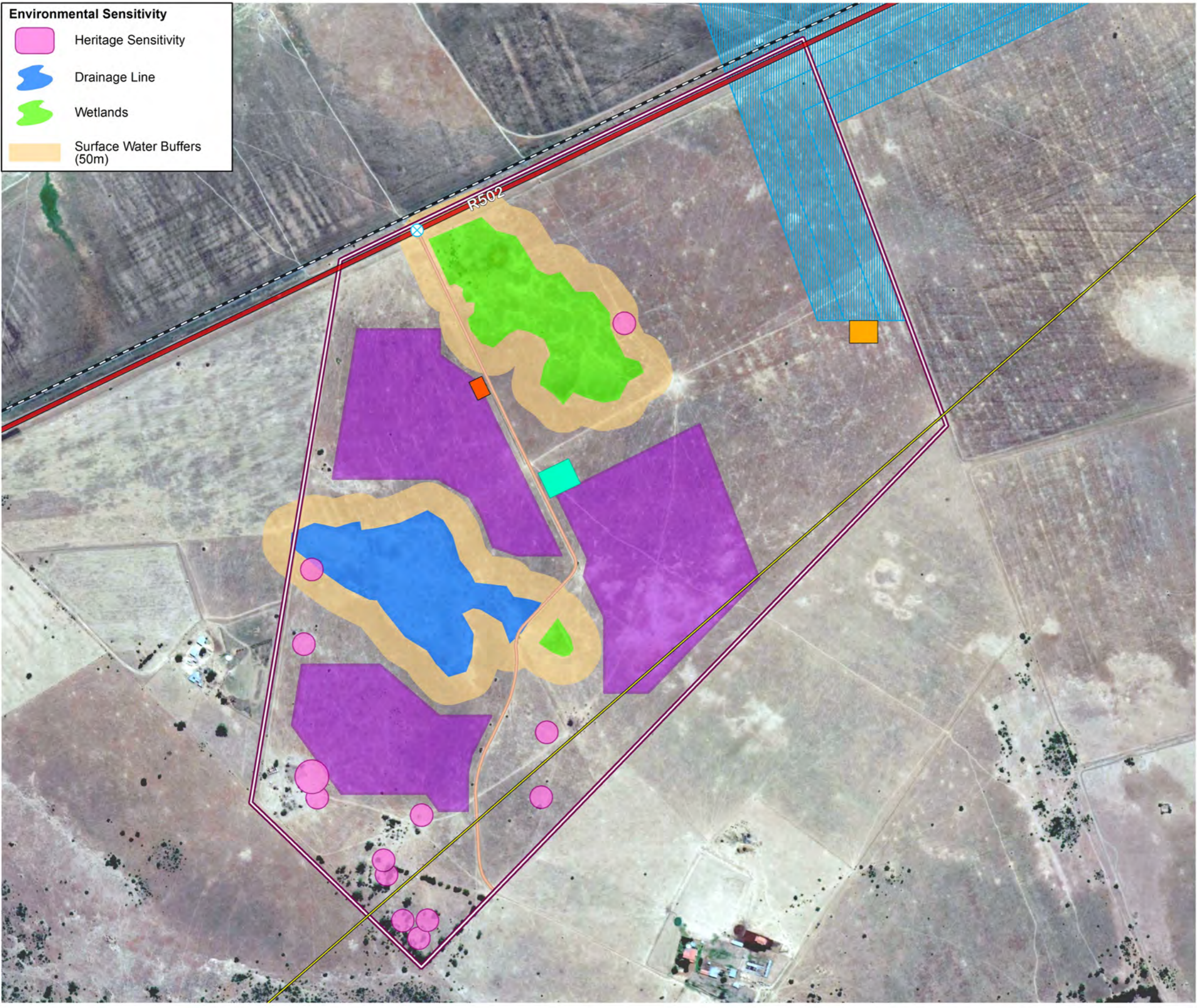
"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT



**Environmental Sensitivity**

-  Heritage Sensitivity
-  Drainage Line
-  Wetlands
-  Surface Water Buffers (50m)



**PROPOSED CONSTRUCTION OF A PHOTOVOLTAIC (PV) ENERGY FACILITY**  
**WILDEBEESTKUIL PV2 PROJECT**  
**NEAR LEEUDORINGSTAD**  
**NORTH WEST PROVINCE**  
**PROPOSED SITE LAYOUT WITH ENVIRONMENTAL SENSITIVITY OVERLAY**

**Legend**

-  Main Roads
-  Railway
-  Existing High Voltage Power Lines (132 & 400kV)
-  Wildebeestkuil PV2 Application Site
-  Grid Connection Assessment Corridors

**Proposed Layout Components**

-  PV Development Area
-  Temporary Building Zone
-  Switching Substation
-  Guardhouse
-  Existing Roads (To be Upgraded)
-  Site Access

SOURCE:  
GOOGLE EARTH, 2019





**ENVIRONMENTAL DIVISION**  
51 WESSELS ROAD  
RIVONIA, 2128  
JOHANNESBURG  
SOUTH AFRICA  
Phone: +27 11 798 0600  
Fax: +27 11 803 7272  
e-mail: info@sivest.co.za

Project No 15962	Prepared By KLS	Date 14/05/2021
Map Ref No 15962/W2_BA12	Revision 1	Date 23/03/2021











"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

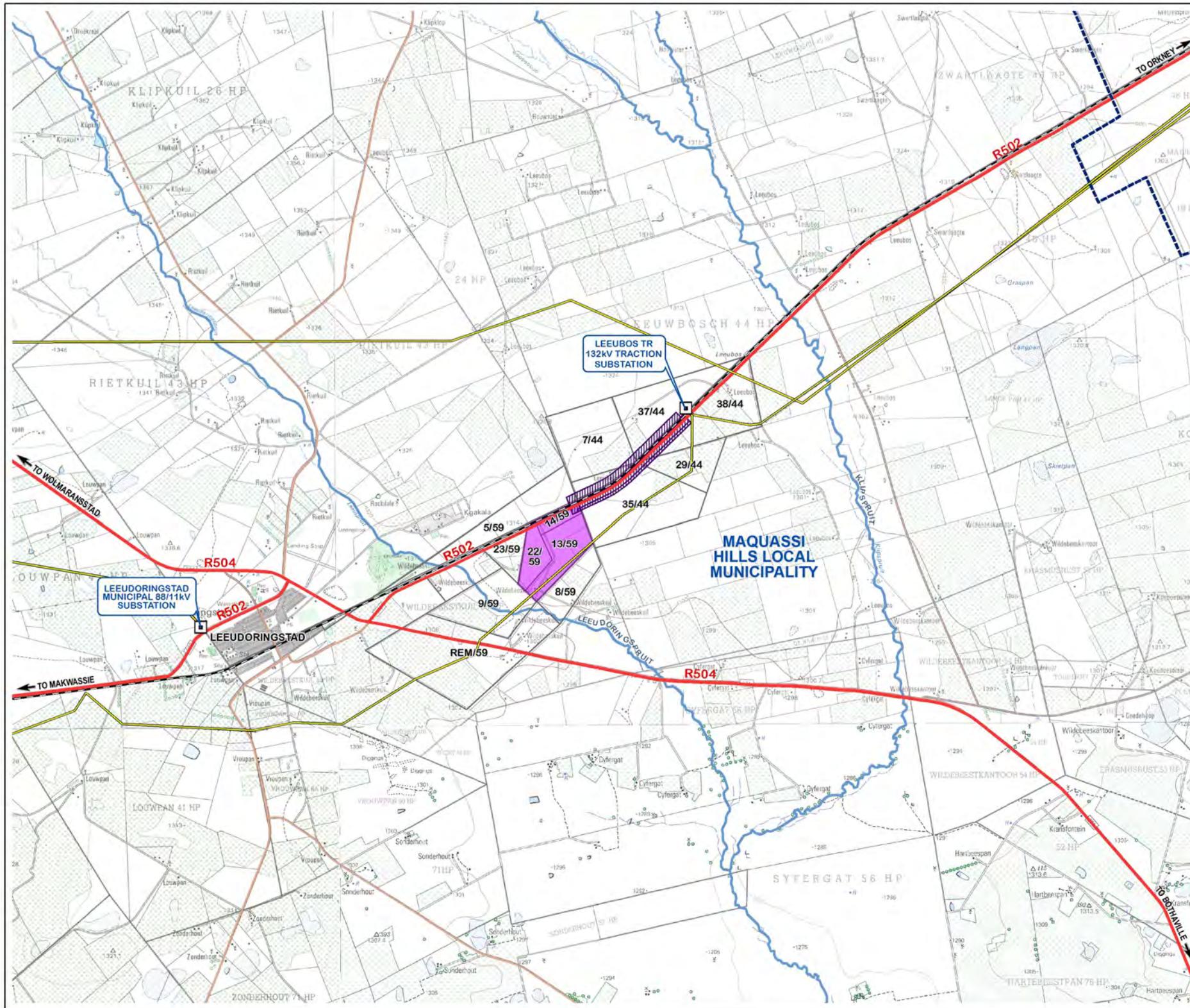


**PROPOSED  
CONSTRUCTION OF  
A SOLAR PHOTOVOLTAIC  
(PV) ENERGY FACILITY**  
**WILDEBEESTKUIL PV2 PROJECT  
NEAR LEEUDORINGSTAD  
NORTH WEST PROVINCE**  
**SITE LOCALITY**

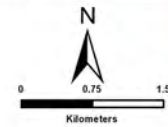
**Legend**

-  Local Municipal Boundaries
-  Main Roads
-  Secondary Roads
-  Railway
-  Rivers
-  Existing High Voltage Power Lines (88, 132 & 400kV)
-  Existing Substations
-  Adjoining Farm Boundaries
-  Wildebeestkuil PV2 Application Site\*
-  Grid Connection Assessment Corridors

\*Portions 13, 14 and 22 of the Farm Wildebeestkuil No 59



SOURCE:  
ESKOM, 2012  
MUNICIPAL DEMARCATION BOARD, 2016  
NGI, 2015



**SIVEST**  
**ENVIRONMENTAL DIVISION**  
 51 WESSELS ROAD  
 RIVONIA, 2128  
 JOHANNESBURG  
 SOUTH AFRICA  
 Phone: +27 11 788 0600  
 Fax: +27 11 803 1272  
 e-mail: info@sivest.co.za

Project No 15962	Prepared By KLS	Date 07/08/2020
Map Ref No 15962/W2_BA02	Revision 0	Date








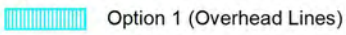
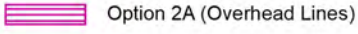
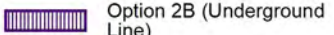


"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

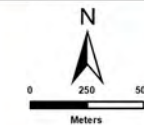


**PROPOSED  
CONSTRUCTION OF  
A SOLAR PHOTOVOLTAIC  
(PV) ENERGY FACILITY**  
**WILDEBEESTKUIL PV2 PROJECT  
NEAR LEEUDORINGSTAD  
NORTH WEST PROVINCE**  
**SLOPE CLASSIFICATION**

**Legend**

-  Main Roads
  -  Railway
  -  Rivers
  -  Existing High Voltage Power Lines (88, 132 & 400kV)
  -  Existing Substations
  -  Wildebeestkuil PV2 Application Site
  -  PV Development Area
- Grid Connection Assessment Options**
-  Option 1 (Overhead Lines)
  -  Option 2A (Overhead Lines)
  -  Option 2B (Underground Line)
- Slope Classification**
-  Flatter than 1:50
  -  1:50 - 1:20

SOURCE:  
ESKOM, 2012  
ESRI, 2020  
NGI, 2015



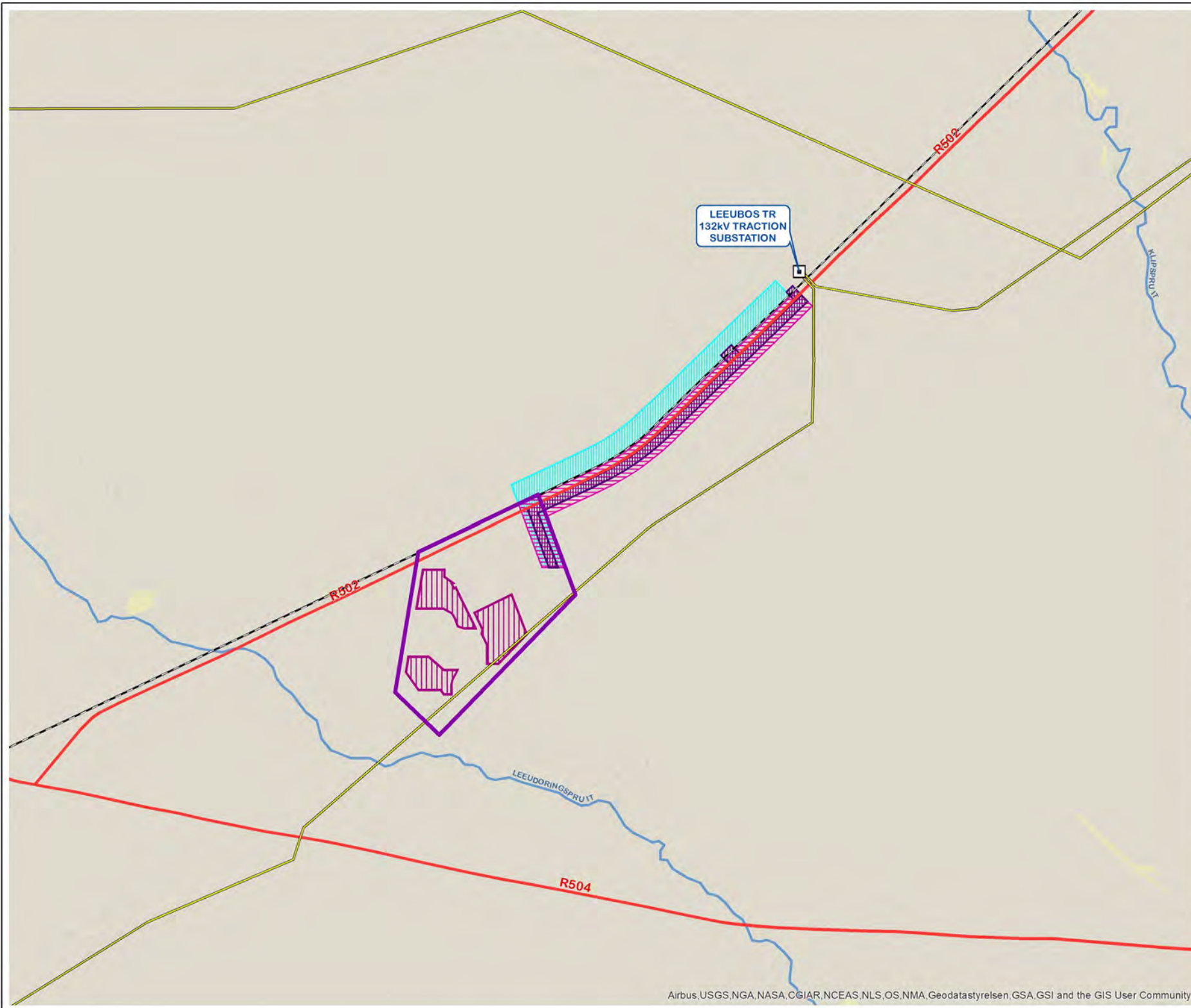
**SIVEST**  
**ENVIRONMENTAL DIVISION**  
 51 WESSELS ROAD  
 RIVONIA, 2128  
 JOHANNESBURG  
 SOUTH AFRICA  
 Phone: +27 11 788 0600  
 Fax: +27 11 803 1272  
 e-mail: info@sivest.co.za

Project No 15962	Prepared By KLS	Date 06/08/2020
---------------------	--------------------	--------------------

Map Ref No 15962/W2_BA06	Revision 0	Date
-----------------------------	---------------	------

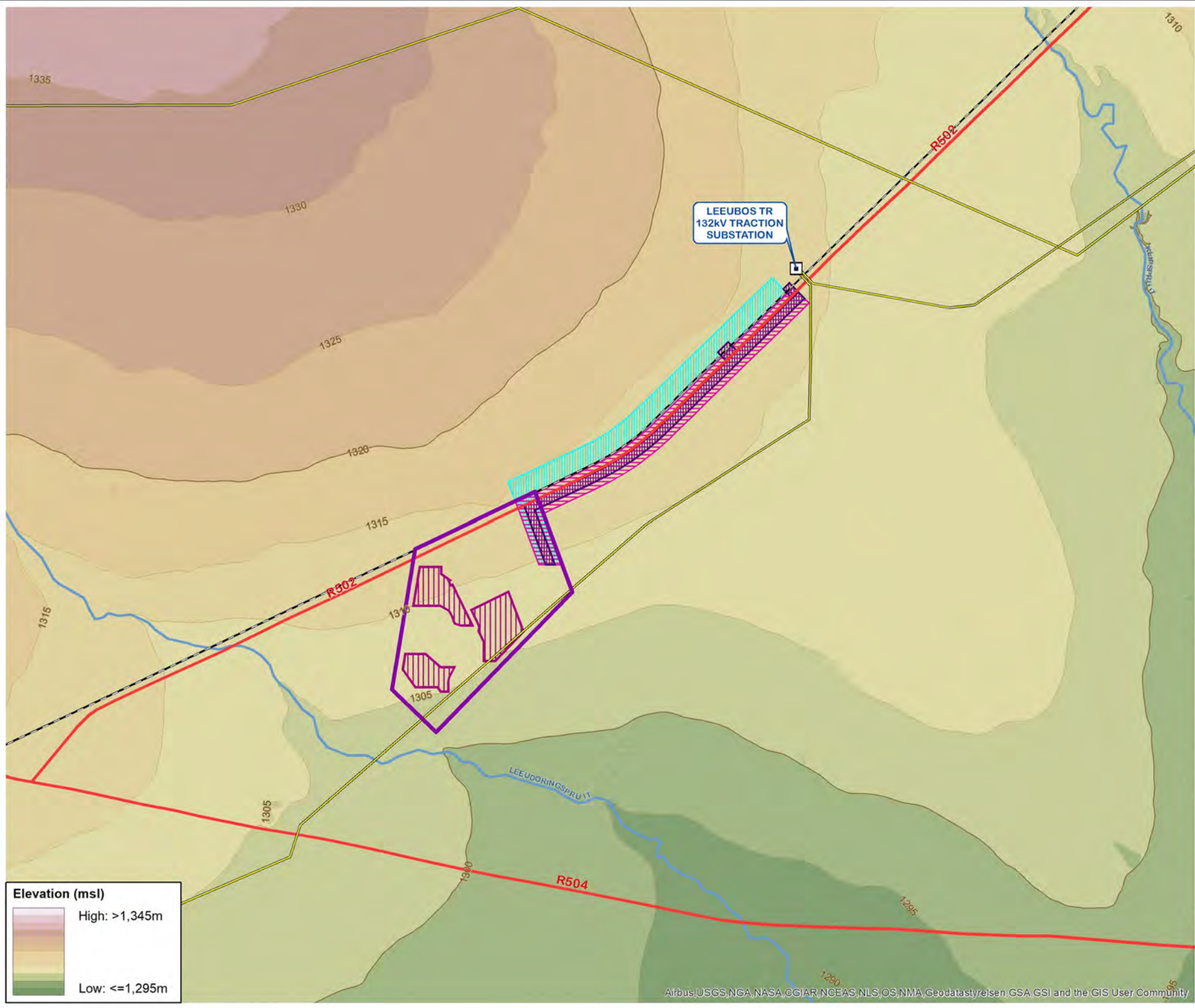
"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT





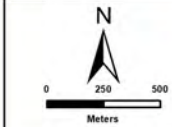
**PROPOSED  
CONSTRUCTION OF  
A SOLAR PHOTOVOLTAIC  
(PV) ENERGY FACILITY**  
**WILDEBEESTKUIL PV2 PROJECT**  
 NEAR LEEUDORINGSTAD  
 NORTH WEST PROVINCE  
**TOPOGRAPHY**



**Legend**

- Main Roads
  - - - Railway
  - Rivers
  - Contours (20m Interval)
  - Contours (5m Interval)
  - Existing High Voltage Power Lines (88, 132 & 400kV)
  - Existing Substations
  - Wildebeestkuil PV2 Application Site
  - PV Development Area
- Grid Connection Assessment Options**
- Option 1 (Overhead Lines)
  - Option 2A (Overhead Lines)
  - Option 2B (Underground Line)

SOURCE:  
 ESKOM, 2012  
 ESRI, 2020  
 NGI, 2015



**SIVEST**  
 ENVIRONMENTAL DIVISION  
 51 WESSELS ROAD  
 RIVONIA, 2128  
 JOHANNESBURG  
 SOUTH AFRICA  
 Phone: +27 11 788 9000  
 Fax: +27 11 803 1272  
 e-mail: info@sivest.co.za

Project No 15962	Prepared By KLS	Date 06/08/2020
---------------------	--------------------	--------------------

Map Ref No 15962/W2_BA05	Revision 0	Date
-----------------------------	---------------	------

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

