









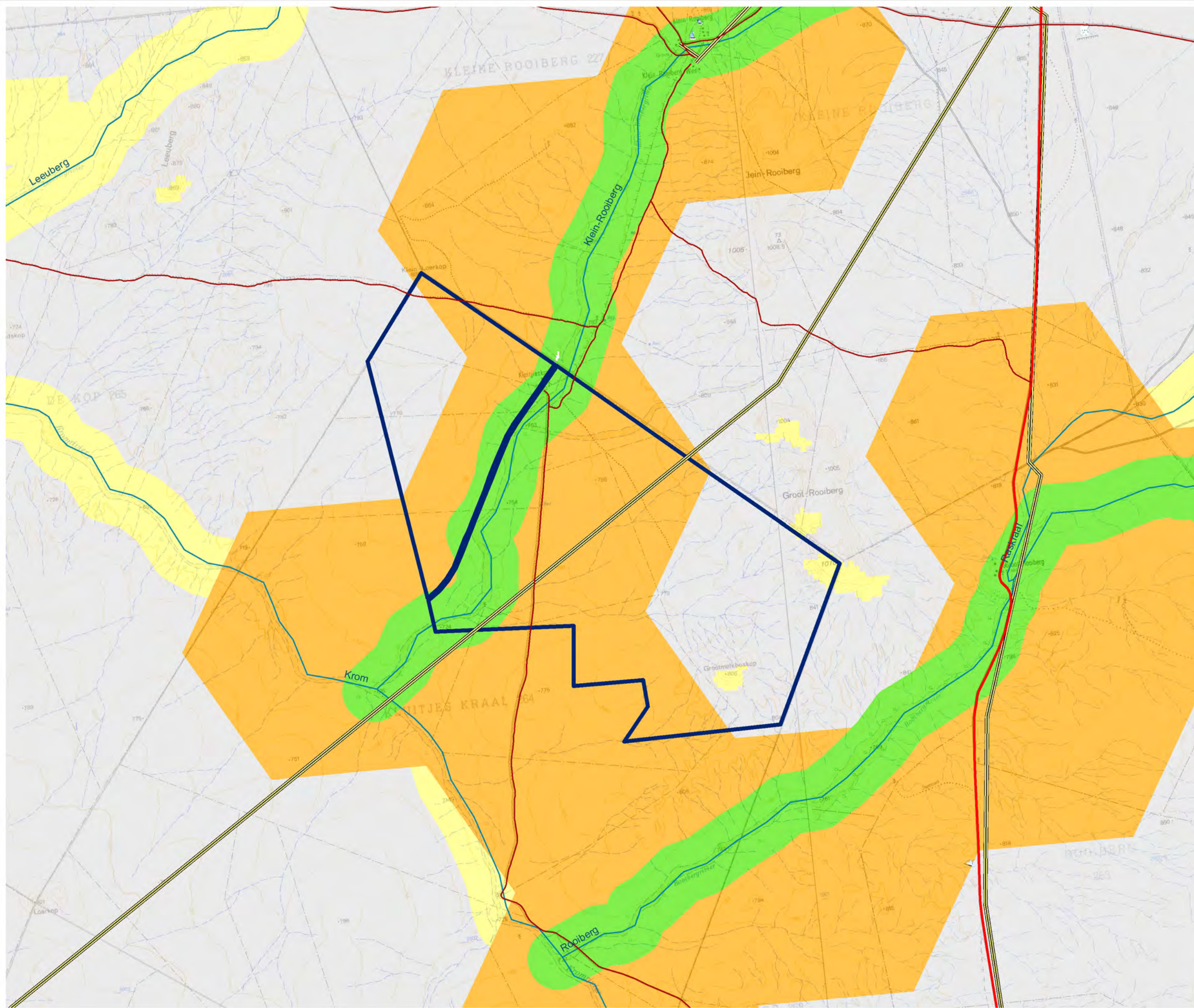
PROPOSED CONSTRUCTION OF THE LESAKA 1 SOLAR ENERGY FACILITY NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE CRITICAL BIODIVERSITY AREAS

Legend

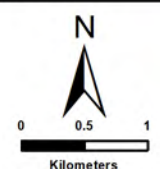
-  Access Roads
-  Secondary Roads
-  Existing Voltage Power Lines (22, 66 & 400kV)
-  Rivers
-  Lesaka 1 Site Area

CBA Classification

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



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



SIVEST
 ENVIRONMENTAL DIVISION
 4 PENCARROW CRESCENT
 LA LUCIA RIDGE OFFICE ESTATE
 UMHLANGA ROCKS
 4320
 Phone: +27 31 581 1500
 Fax: +27 31 581 2371
 e-mail: info@sivest.co.za






Project No 17793	Prepared By SB	Date 30/01/2023
Map Ref No 17793	Revision 0	Date

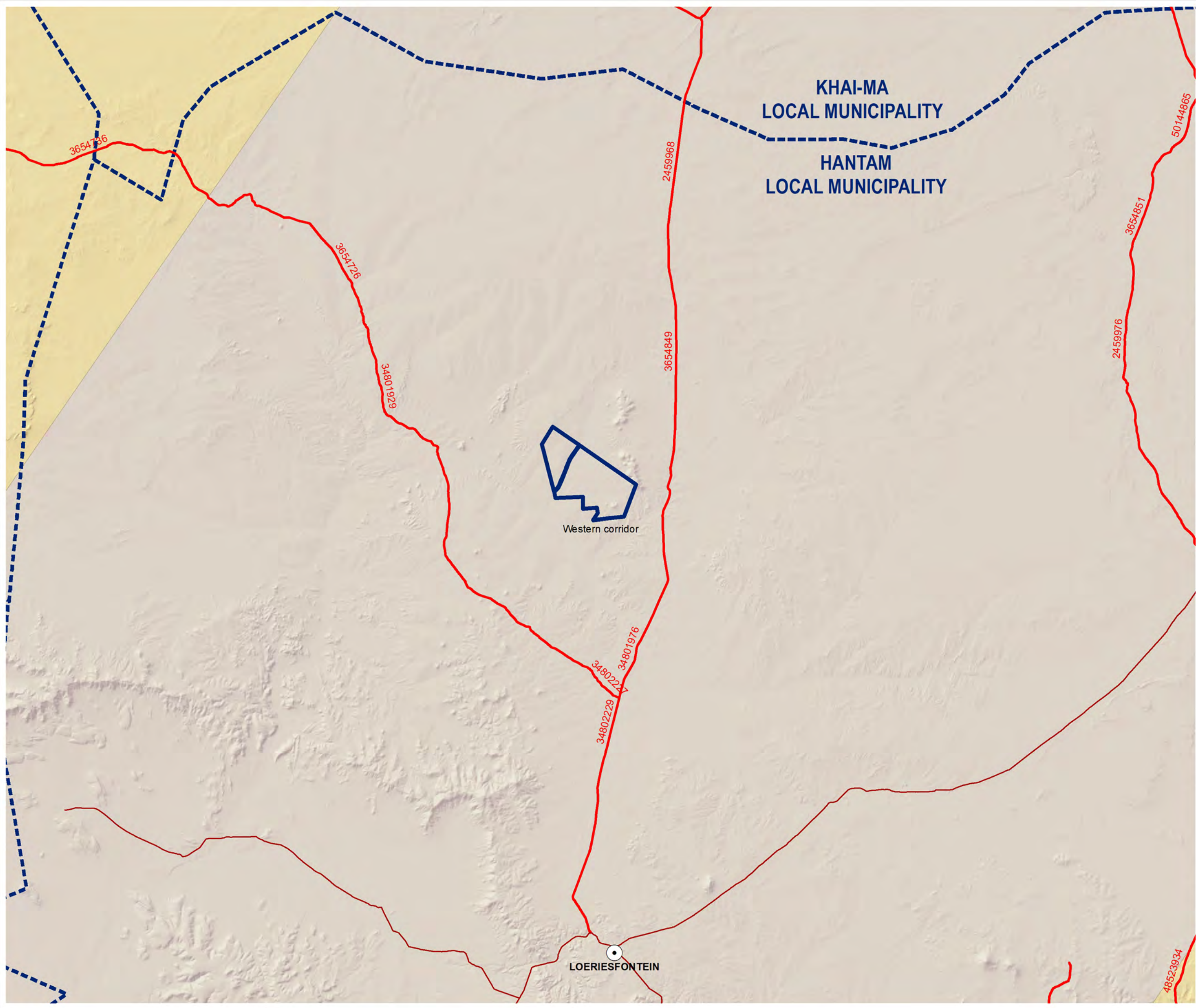
"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

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

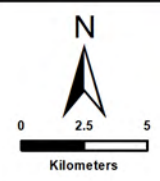
**PROPOSED CONSTRUCTION
OF THE LESAKA 1
SOLAR ENERGY FACILITY**
NEAR
LOERIESFONTEIN,
NORTHERN CAPE PROVINCE
EGI & REDZ

Legend

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



Source:
NGI, 2014
MUNICIPAL DEMARCATION BOARD, 2016



SIVEST
ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 17793	Prepared By SB	Date 23/02/2023
Map Ref No 17793	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 THE LESAKA 1
SOLAR ENERGY FACILITY
NEAR
LOERIESFONTEIN,
NORTHERN CAPE PROVINCE
BROAD LAND COVER
CLASSIFICATION**

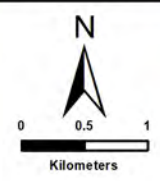
Legend

-  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)

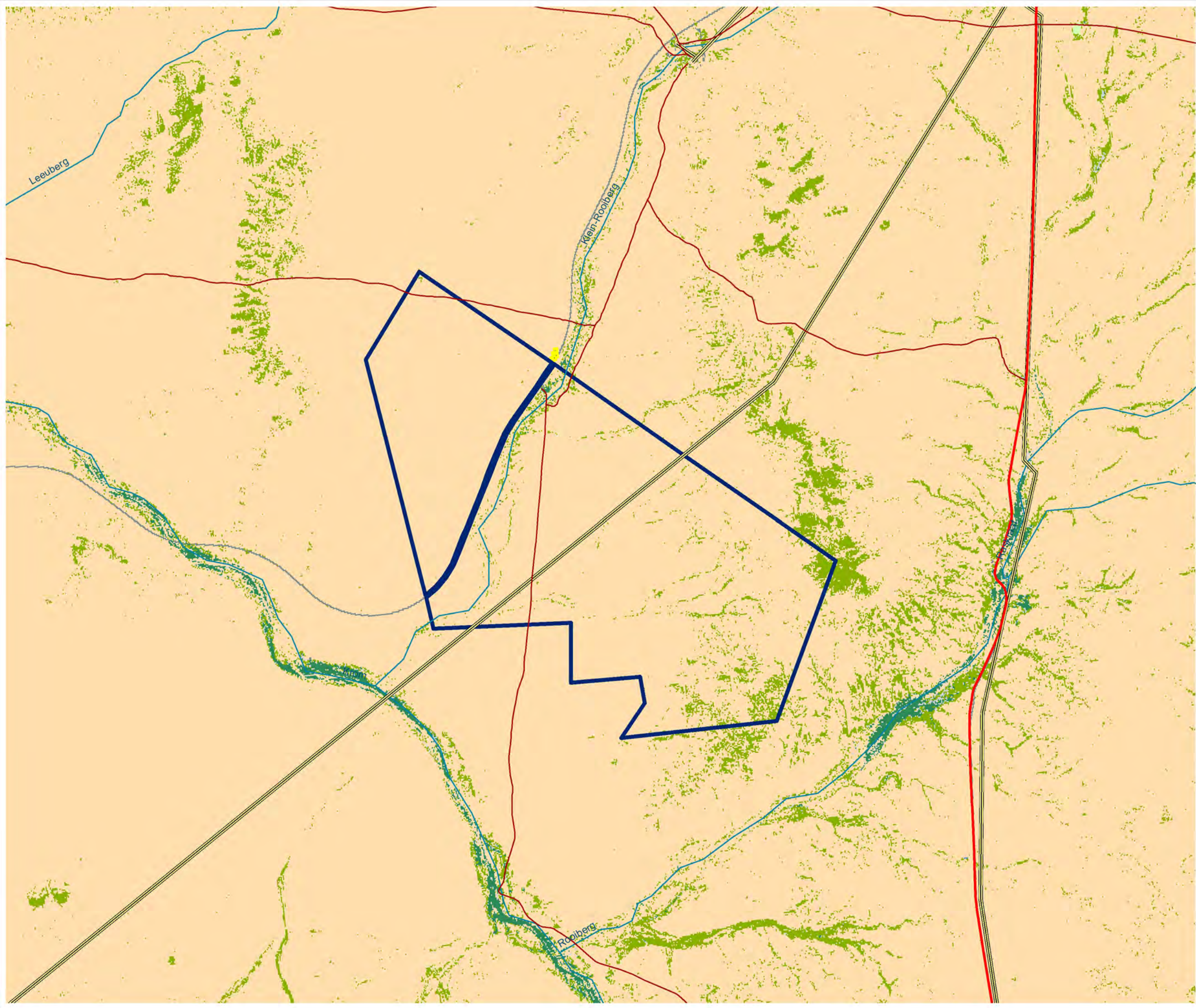


SIVEST
ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 17793	Prepared By SB	Date 30/01/2023
Map Ref No 17793	Revision 0	Date

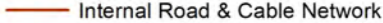
"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

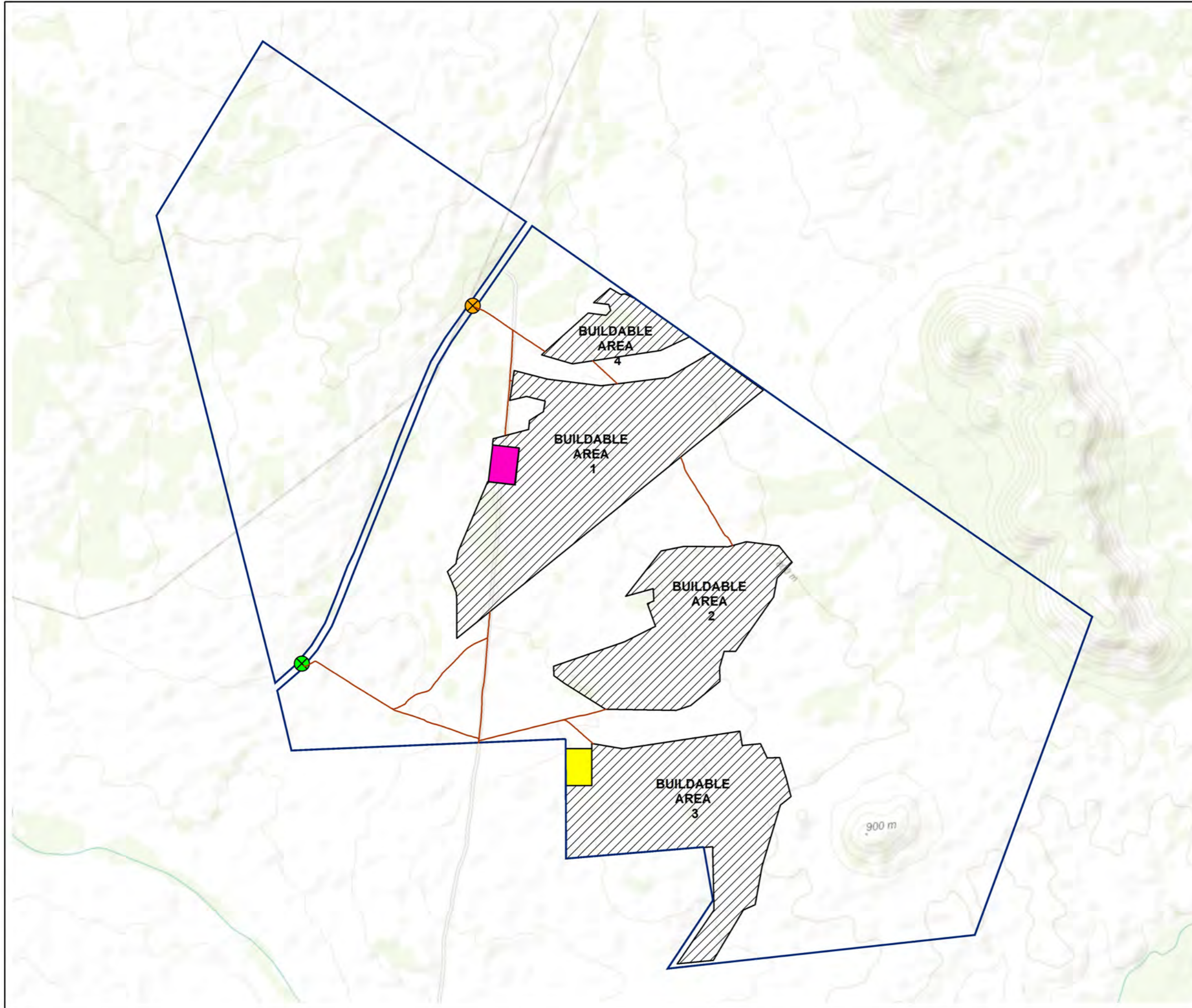
THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT



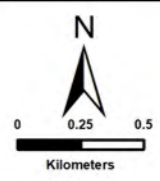
**PROPOSED CONSTRUCTION
OF THE LESAKA 1
SOLAR ENERGY FACILITY**
**NEAR
LOERIESFONTEIN,
NORTHERN CAPE PROVINCE
PROPOSED LAYOUT**

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



SIVEST
ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 17793	Prepared By SB	Date 03/07/2023
Map Ref No 17793	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"

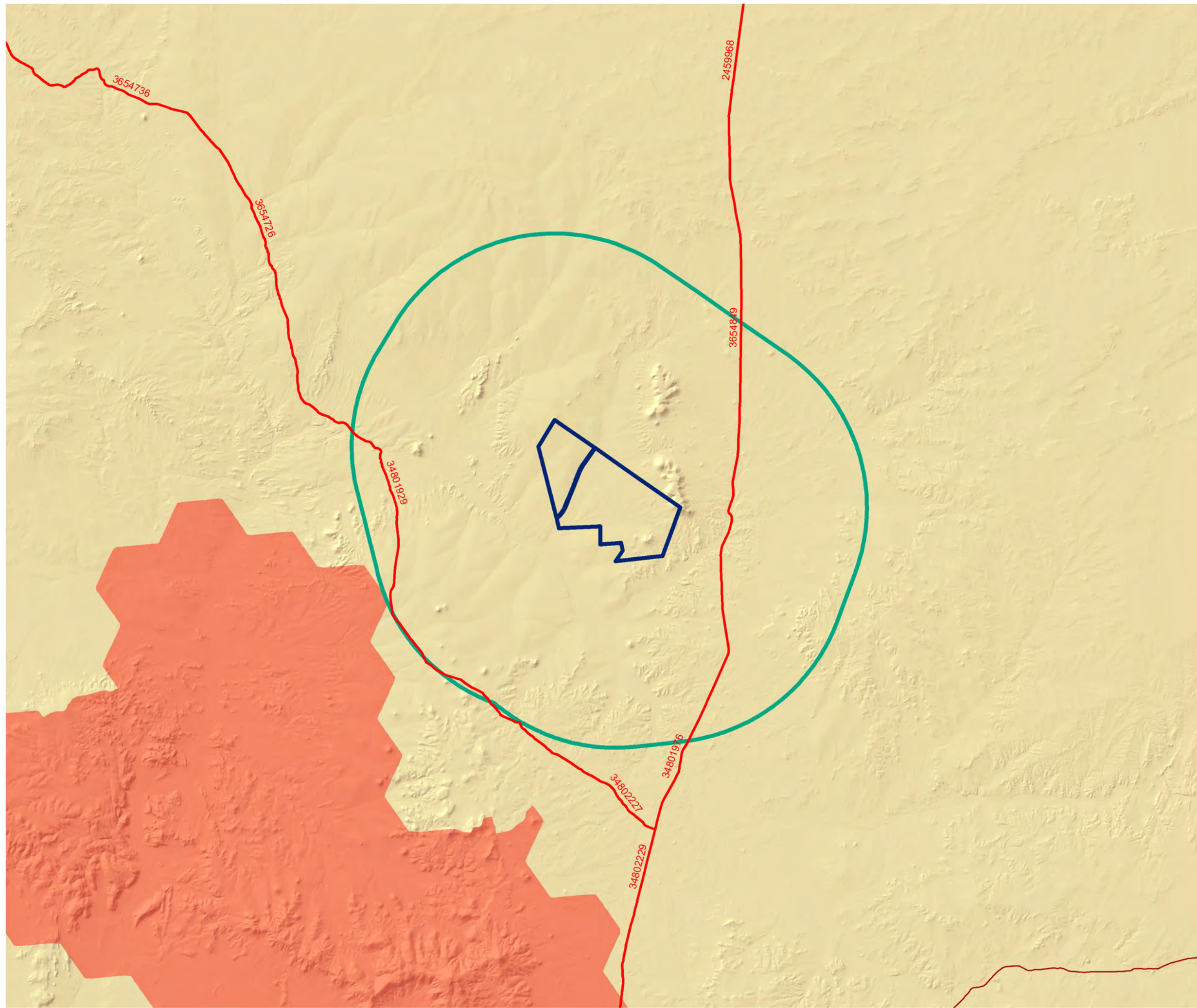
THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

**PROPOSED CONSTRUCTION
OF THE LESAKA 1
SOLAR ENERGY FACILITY**

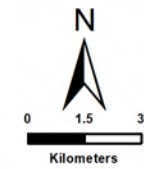
**NEAR
LOERIESFONTEIN,
NORTHERN CAPE PROVINCE
PROTECTED AREAS**

Legend

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



Source:
NGI, 2014
DFFE, 2022



SIVEST

ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320

Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za








Project No 17793	Prepared By SB	Date 30/01/2023
Map Ref No 17793	Revision 0	Date _____

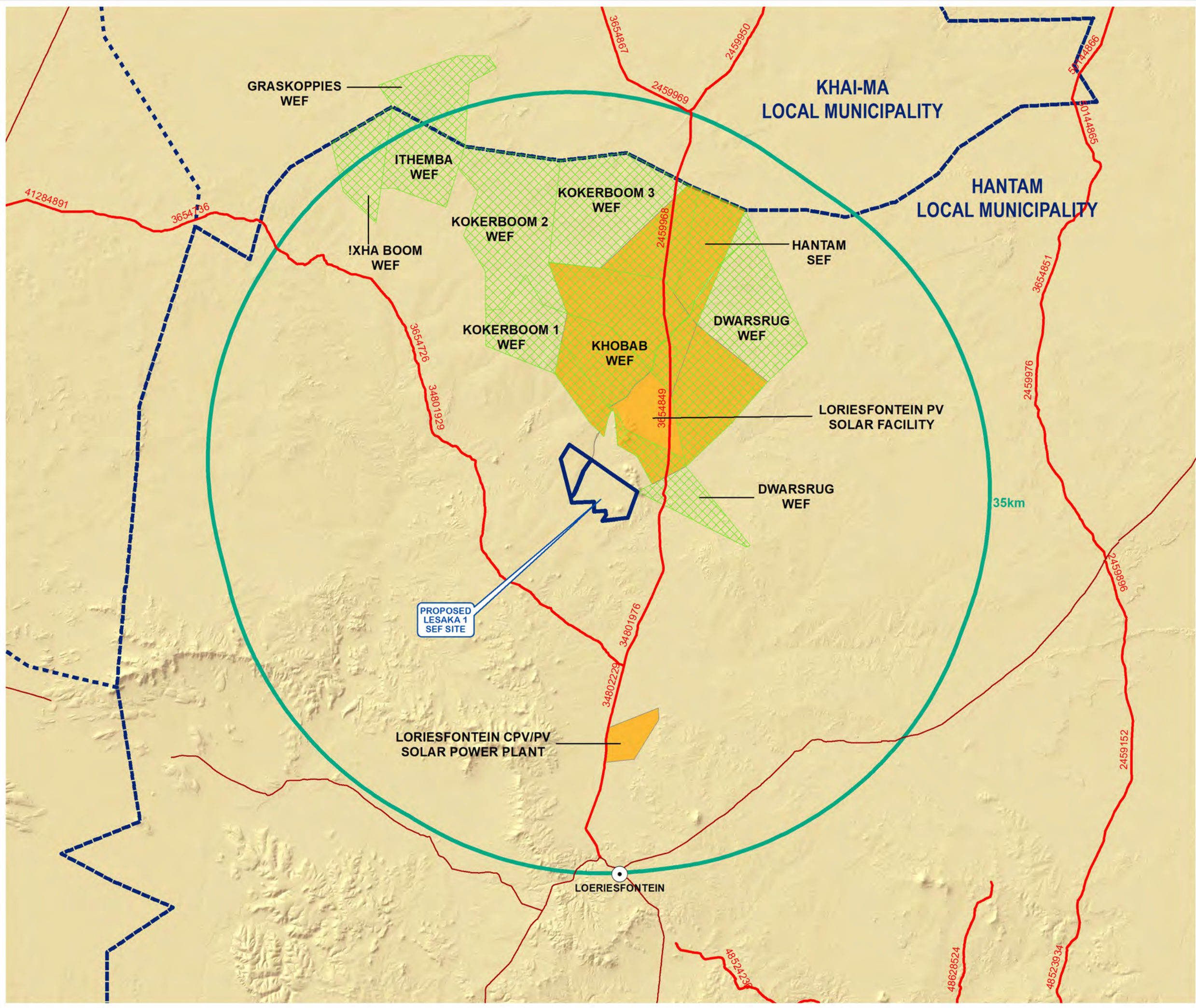
"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

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

Legend

-  Main Towns
 -  Main Roads
 -  Secondary Roads
 -  Lesaka 1 Site Area
 -  35km Radius
- Renewable Energy Application Sites**
-  Solar PV
 -  Wind



Source:
 NGI, 2014
 DFFE, 2022
 MUNICIPAL DEMARCATION BOARD, 2016



SIVEST
 ENVIRONMENTAL DIVISION
 4 PENCARROW CRESCENT
 LA LUCIA RIDGE OFFICE ESTATE
 UMHLANGA ROCKS
 4320
 Phone: +27 31 581 1500
 Fax: +27 31 581 2371
 e-mail: info@sivest.co.za

Project No 17793	Prepared By SB	Date 30/01/2023
Map Ref No 17793	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

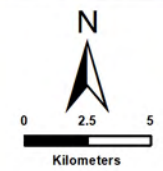
**PROPOSED CONSTRUCTION
OF THE LESAKA 1
SOLAR ENERGY FACILITY**
NEAR
LOERIESFONTEIN,
NORTHERN CAPE PROVINCE
REGIONAL CONTEXT

Legend

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



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

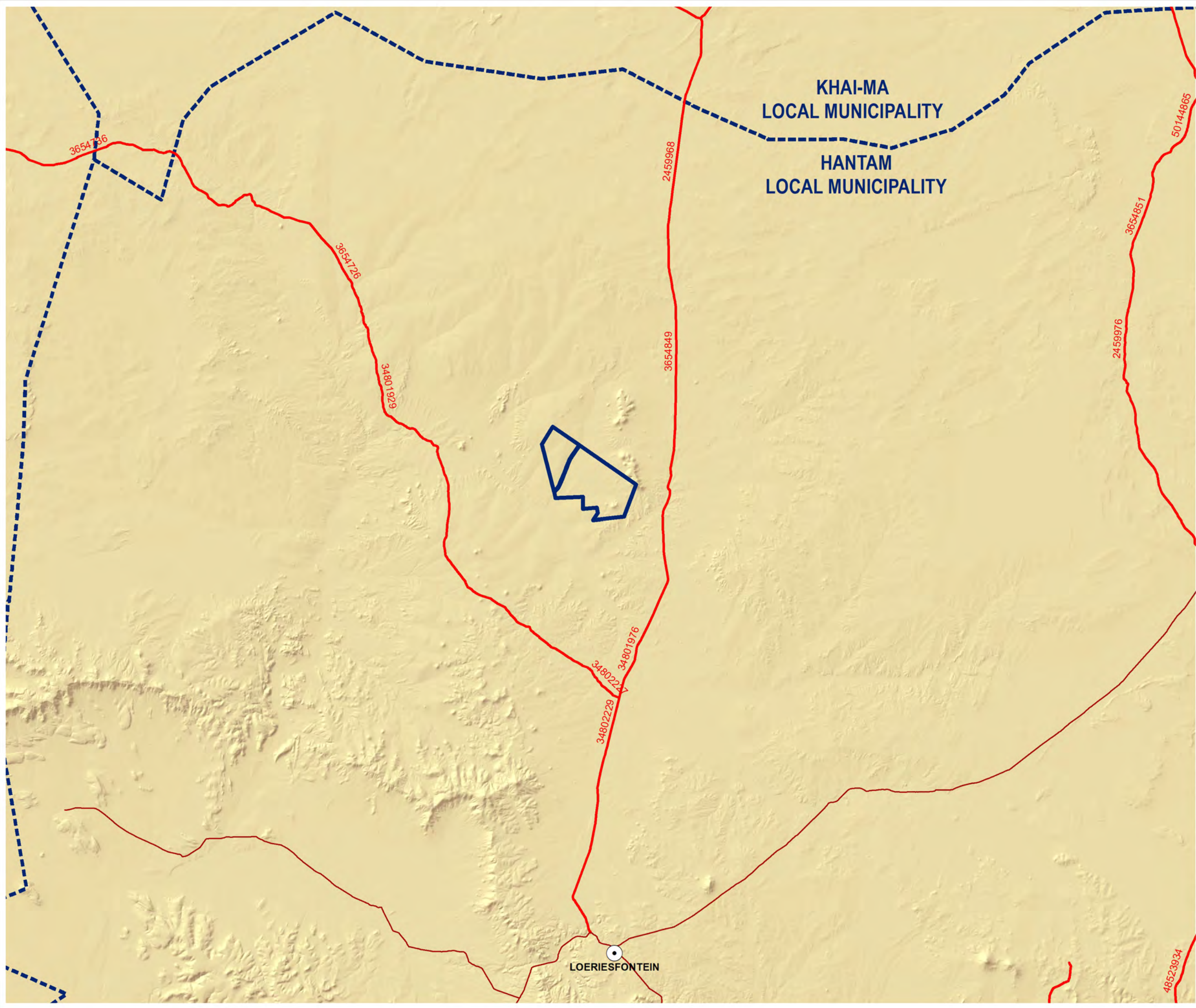


ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 17793	Prepared By SB	Date 30/01/2023
Map Ref No 17793	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 THE LESAKA 1
SOLAR ENERGY FACILITY**
**NEAR
LOERIESFONTEIN,
NORTHERN CAPE PROVINCE**
SENSITIVITY LAYOUT

Legend

 Lesaka 1 SEF Application Site


Proposed SEF Components

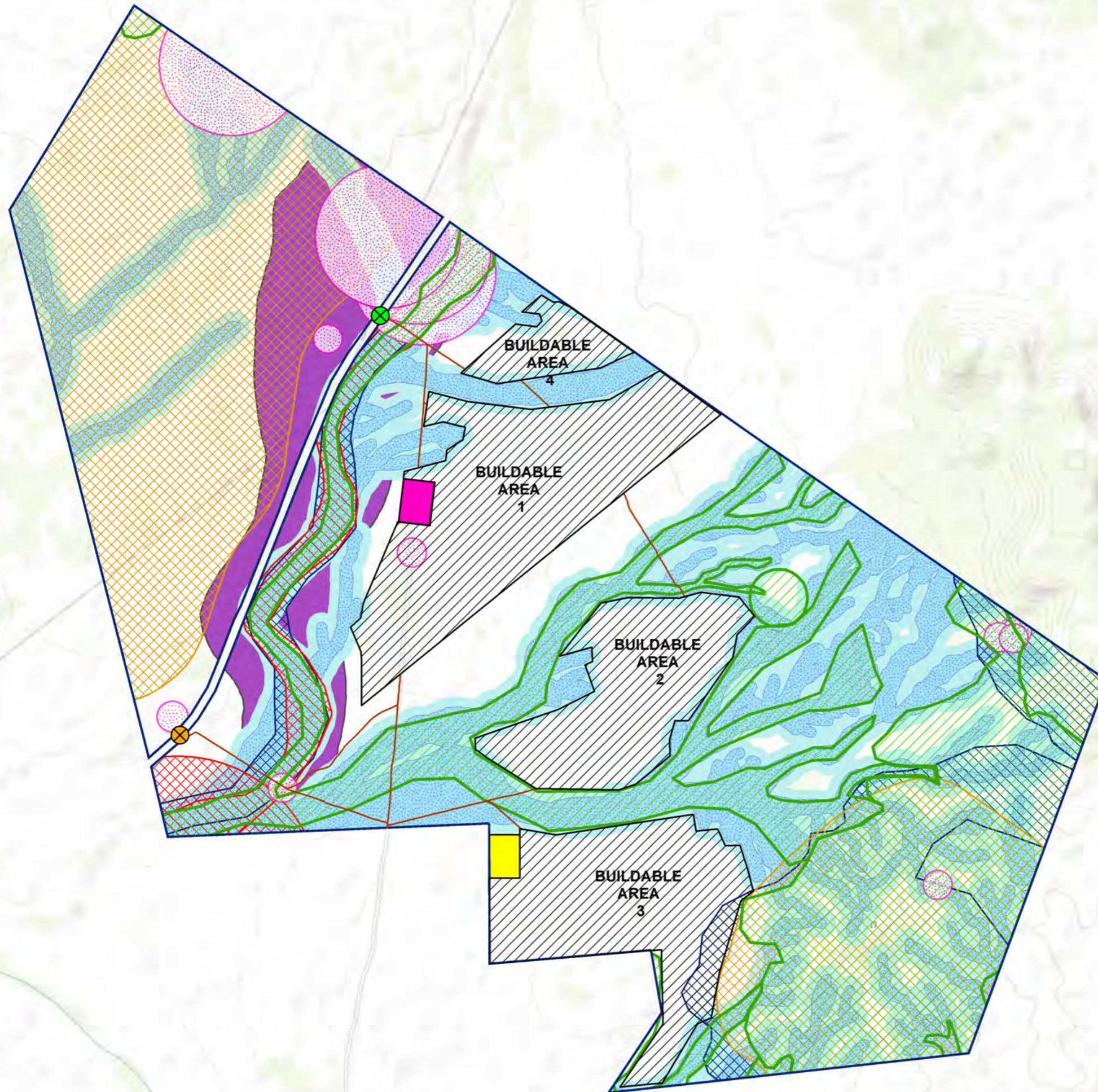
-  Site Access 1
-  Site Access 2
-  Internal Road & Cable Network
-  Buildable Areas
-  Onsite Substation, BESS & O&M Building
-  Temporary Laydown Area

Environmental Sensitivities (No-Go) (incl buffers)

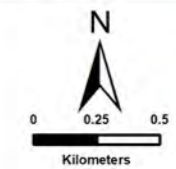
-  Aquatic
-  Avifauna
-  Heritage
-  Terrestrial

Environmental Sensitivities

-  Aquatic
-  Avifauna
-  SHE Risk
-  Visual



Source:
NGI, 2014



ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 17793	Prepared By SB	Date 03/07/2023
Map Ref No 17793	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

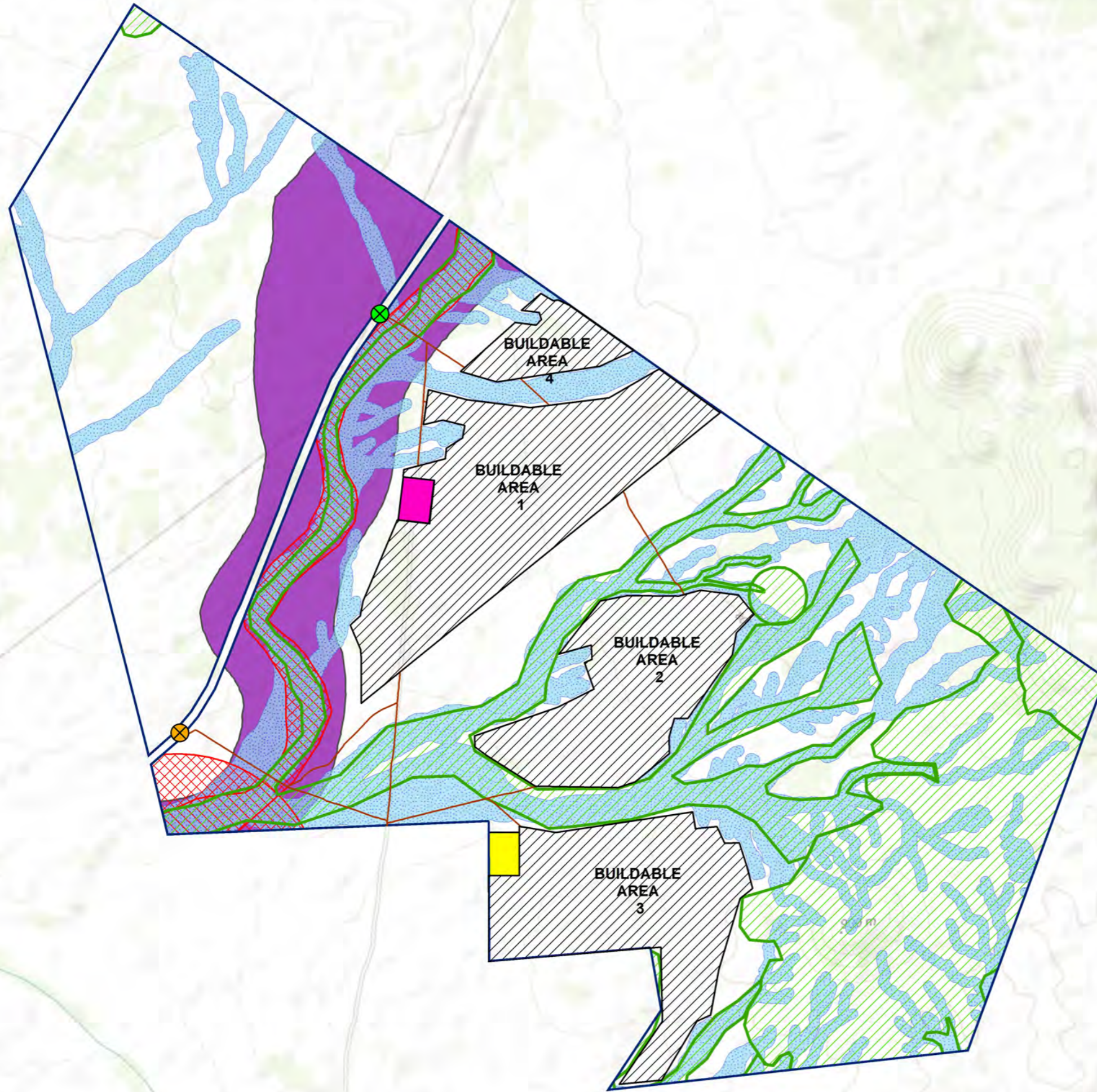
**PROPOSED CONSTRUCTION
OF THE LESAKA 1
SOLAR ENERGY FACILITY**
**NEAR
LOERIESFONTEIN,
NORTHERN CAPE PROVINCE**
SENSITIVITY LAYOUT

Legend

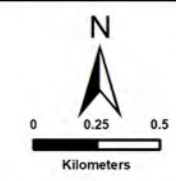
- Lesaka 1 SEF Application Site

- 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



Source:
NGI, 2014



SIVEST
ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za









Project No 17793	Prepared By SB	Date 03/07/2023
Map Ref No 17793	Revision 0	Date

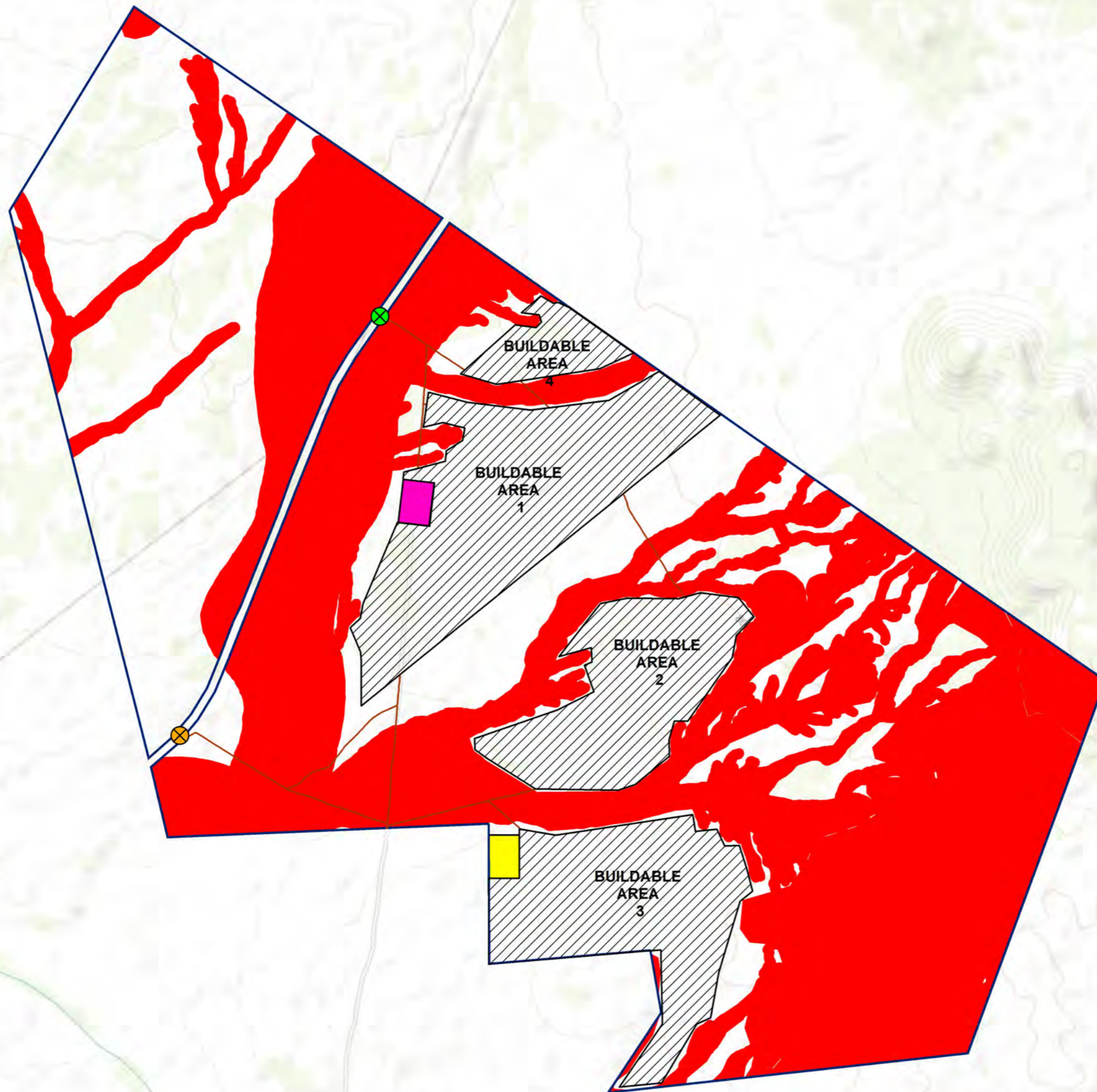
"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

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

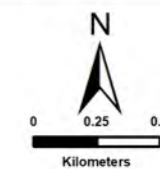
**PROPOSED CONSTRUCTION
OF THE LESAKA 1
SOLAR ENERGY FACILITY**
**NEAR
LOERIESFONTEIN,
NORTHERN CAPE PROVINCE**
SENSITIVITY LAYOUT

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



SIVEST
ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 17793	Prepared By SB	Date 03/07/2023
Map Ref No 17793	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

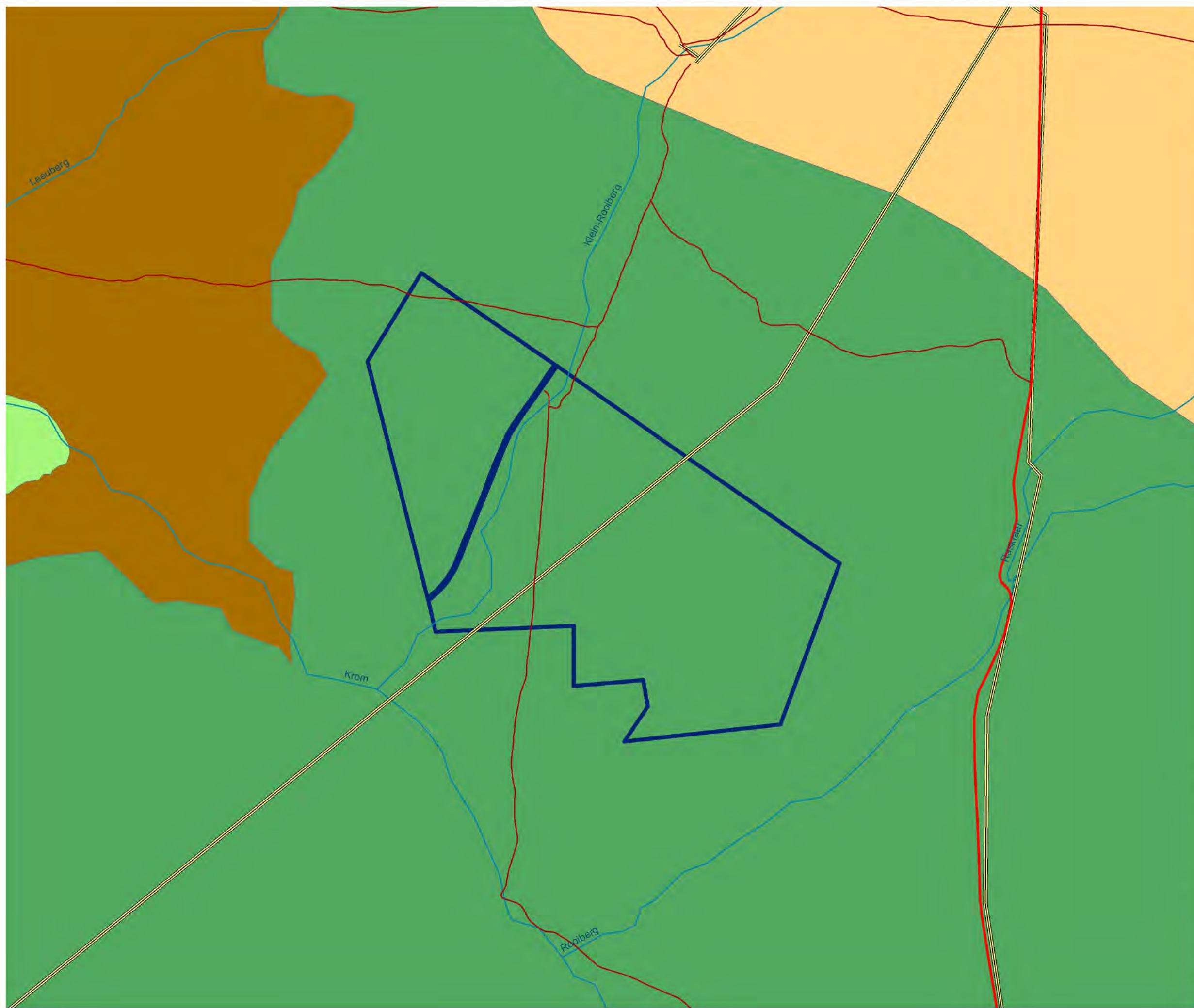
**PROPOSED CONSTRUCTION
OF THE LESAKA 1
SOLAR ENERGY FACILITY
NEAR
LOERIESFONTEIN,
NORTHERN CAPE PROVINCE
VEGETATION
CLASSIFICATION**

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



ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 17793	Prepared By SB	Date 30/01/2023
Map Ref No 17793	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