












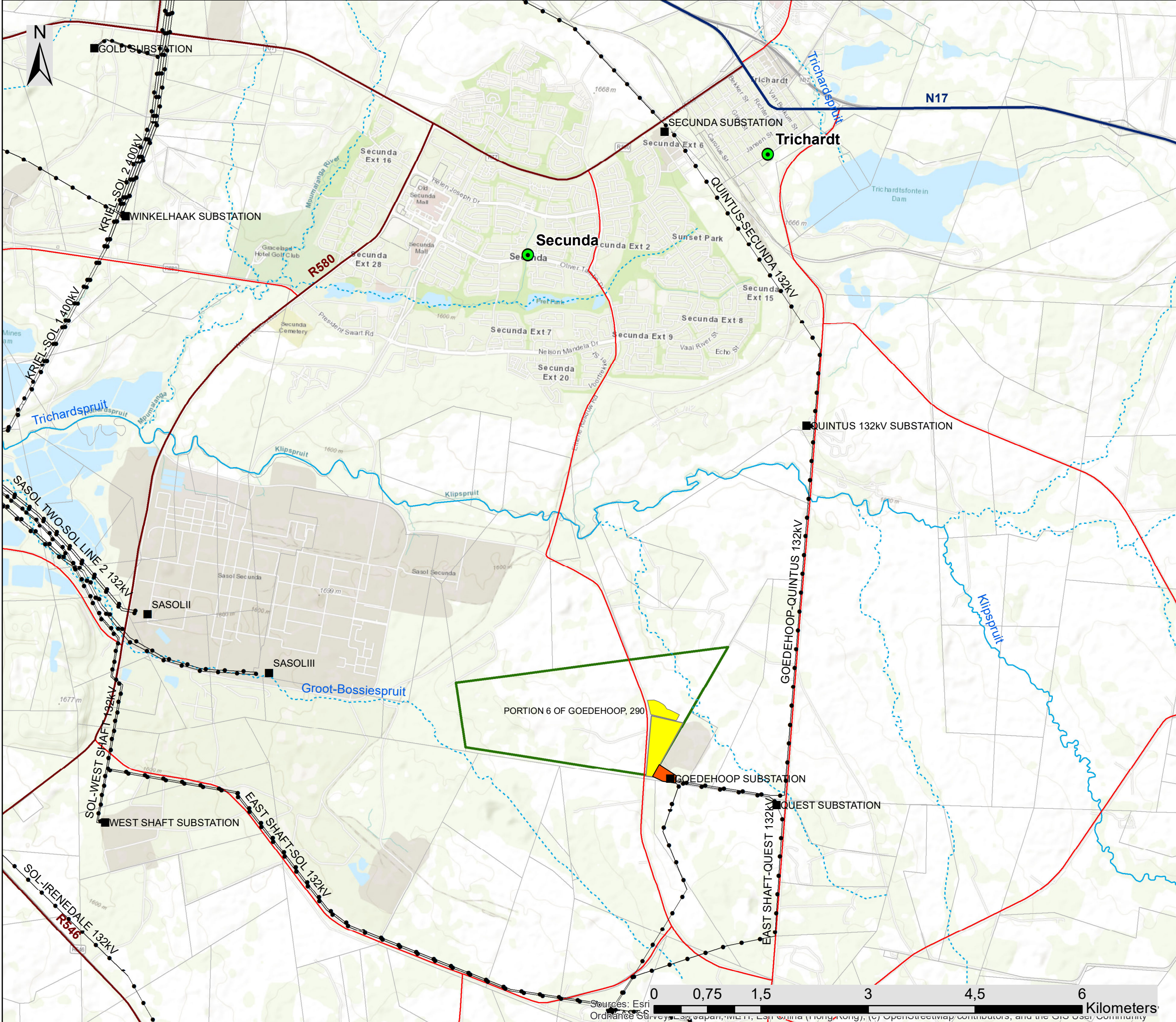
Proposed Becrux Solar PV Facility, Secunda, Mpumalanga Province.

Locality Map

Legend

-  Town
-  Eskom Substation
-  Existing Power Line
-  National Route
-  Regional Road
-  Main Road
-  Perennial River
-  Non-perennial River
-  Project Site
-  Development Area
-  Grid Connection Corridor (170m wide)

Scale: 1: 50 000
 Projection: LO19
 Map Ref: 00_Secunda Locality



Sources: Esri, Ordnance Survey, SAPAR, MET, Esri, Google (© 2014), OpenStreetMap contributors, and the GIS User Community

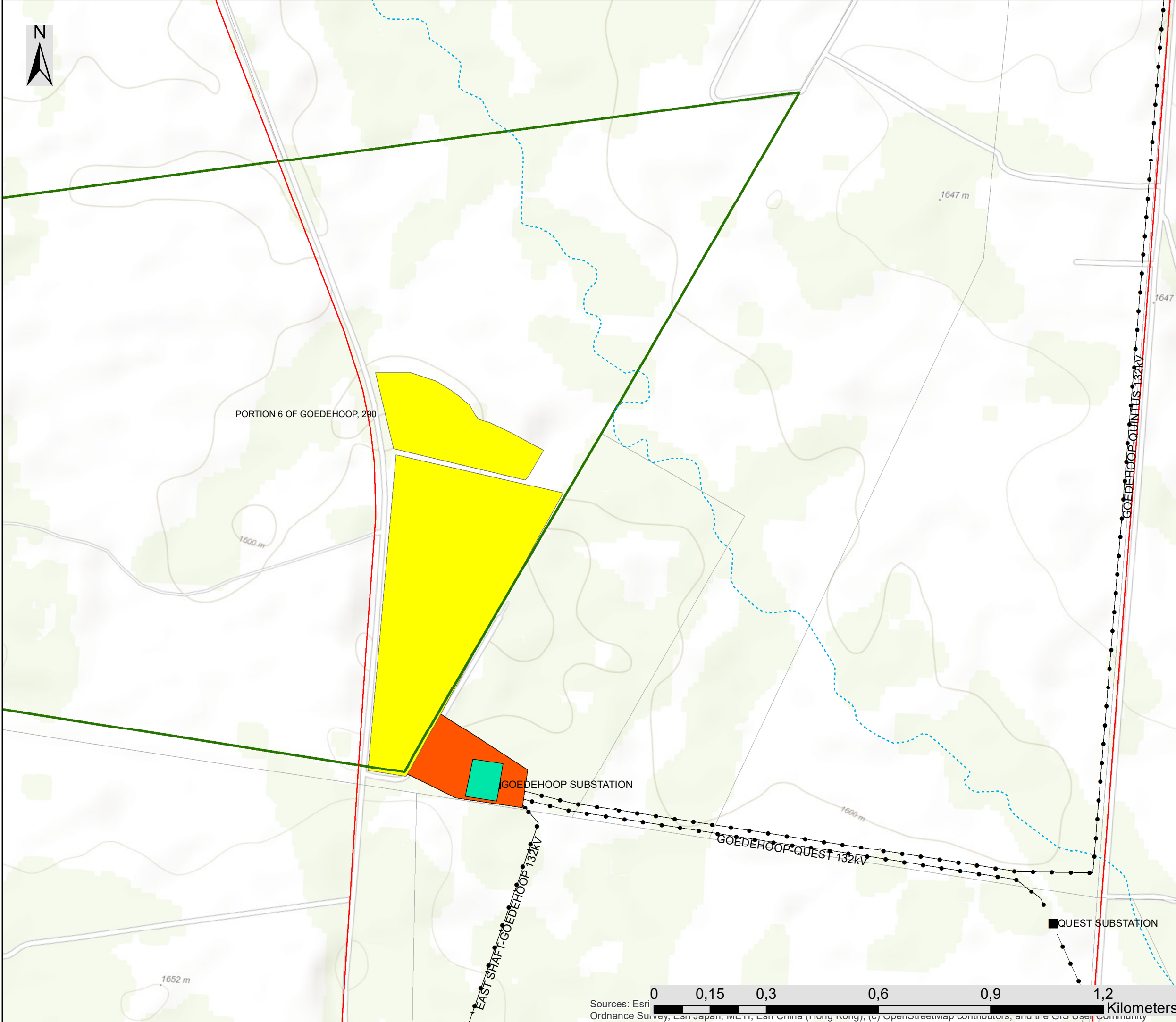


Proposed Becrux Solar PV Facility, Secunda, Mpumalanga Province.

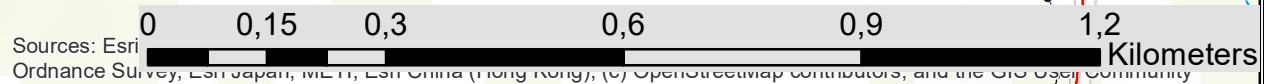
Map illustrating development area for proposed infrastructure

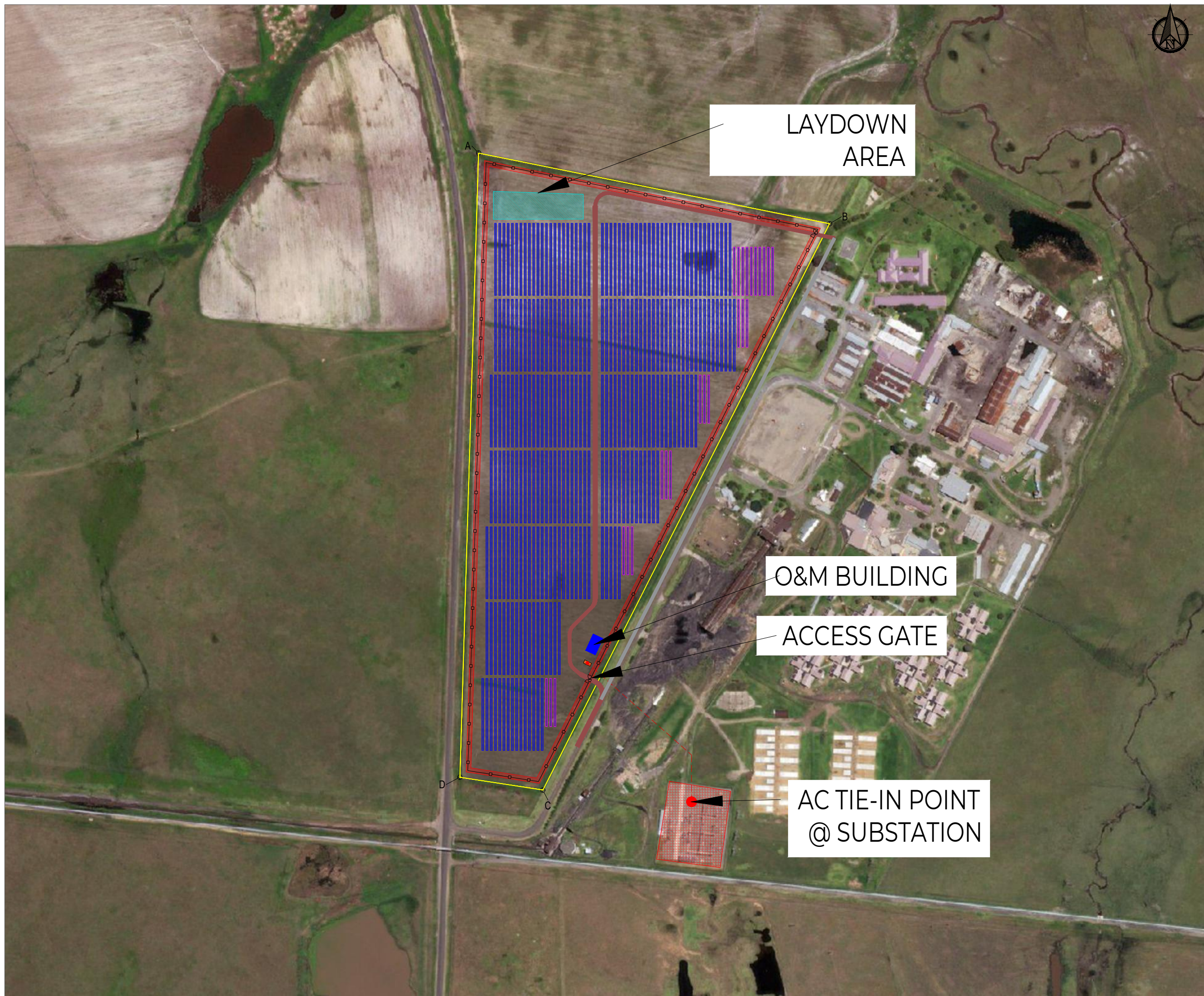
Legend

- Eskom Substation
- Existing Power Line
- Main Road
- Perennial River
- - - Non-perennial River
- Existing Goedehoop Substation
- Project Site
- PV Development Area
- Grid Connection Corridor (170m wide)



Scale: 1: 12 000
Projection: LO19
Map Ref: 00_Secunda Layout





LEGEND		
SYMBOL	DESCRIPTION	QTY
	PV MODULE (540W)	22 167
	81 MODULE TRACKER	257
	54 MODULE TRACKER	25
	MV CABLE (OHL) (m)	240
	O&M BUILDING	
	AC TIE-IN POINT	
	MV ROOM	
	PERMANENT FENCE	
	ENTRY/EXIT GATE	
	PLANT ROAD	
	FIREBREAK	

SECUNDA SITE LAYOT		
POINT (LABEL)	Y (Latitude)	X (Longitude)
A - AVAILABLE AREA	26°34'05.46"S	29°13'06.58"E
B - AVAILABLE AREA	26°34'08.43"S	29°13'22.98"E
C - AVAILABLE AREA	26°34'32.23"S	29°13'09.58"E
D - AVAILABLE AREA	26°34'31.69"S	29°13'05.07"E

SYSTEM SPECIFICATIONS	
P _{ac} Rated	10 MWac
P _{dc} Rated	11,970 kWp
TRACKERS TYPE	SINGLE-AXIS TRACKING
MODULE ORIENTATION	SINGLE-PORTRAIT
TRACKER PITCH	5.5m

ALL DIMENSIONS IN mm

REV	DESCRIPTION	DATE
TO	ISSUED FOR INFORMATION	06.09.2021



DESIGNED BY	RdP	DESIGN START DATE	
DRAFTED BY	RJ	APPROVED	
ISSUED FOR	INFORMATION	VERIFIED	

CLIENT	SASOL
DRAWING DESCRIPTION	SECUNDA LAYOUT
DRAWING NUMBER	SASSEC -1
SCALE	N/A A2
REVISION NUMBER	T0



Proposed Becrux Solar PV Facility, Secunda, Mpumalanga Province.

Map illustrating development area overlain with sensitivities

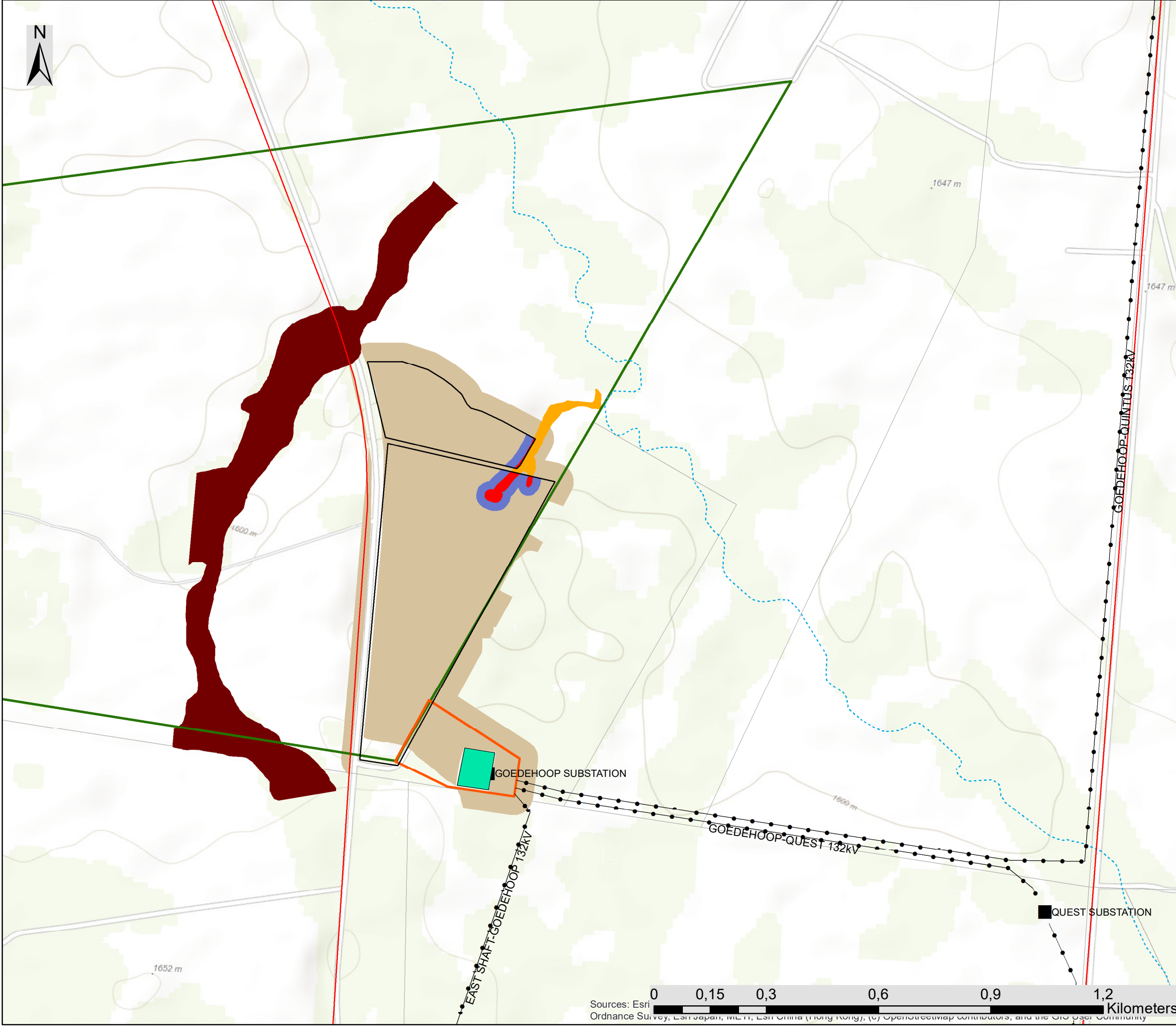
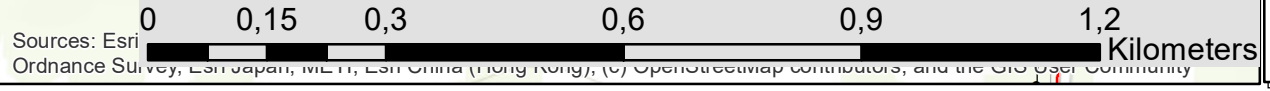
Legend

- Eskom Substation
- Existing Power Line
- Main Road
- Perennial River
- - - Non-perennial River
- Existing Goedehoop Substation
- Project Site
- PV Development Area
- Grid Connection Corridor (170m wide)

Environmental Features & Sensitivity

- High Terrestrial Sensitivity
- High Wetland Sensitivity
- Moderate Soil Sensitivity
- Moderate Wetland Sensitivity
- Wetland Buffer (22m)

Scale: 1: 12 000
Projection: LO19
Map Ref: 00_Secunda Sens Map



Proposed Becrux Solar PV Facility, Secunda, Mpumalanga Province.

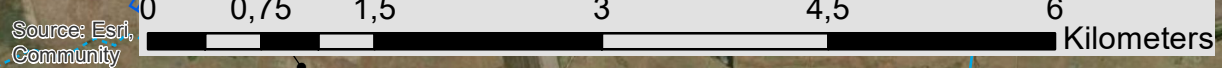
Regional Setting Map

Legend

-  Town
-  Eskom Substation
-  Existing Power Line
-  National Route
-  Regional Road
-  Main Road
-  Perennial River
-  Non-perennial River
-  Mining Area
-  Urban Area
-  Heavy Industrial Area
-  Project Site
-  Development Area
-  Grid Connection Corridor (170m wide)



Scale: 1: 50 000
 Projection: LO19
 Map Ref: 00_Secunda Regional










Source: Esri, Community



Proposed Becrux Solar PV Facility, Secunda, Mpumalanga Province.

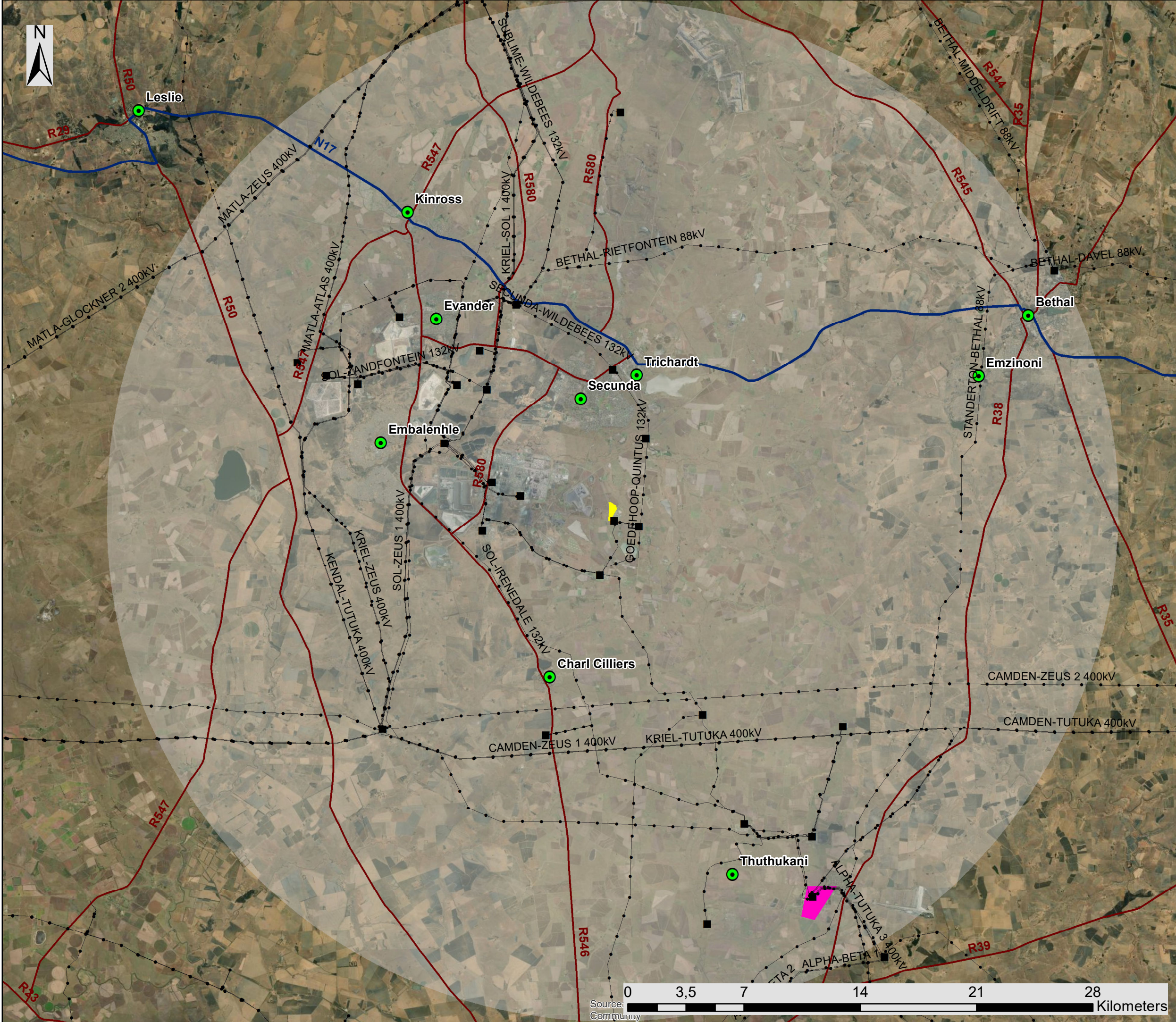
Cumulative Map

Legend

-  Town
-  Eskom Substation
-  Existing Power Line
-  National Route
-  Regional Road
-  Development Radius (30km)
-  Becrux PV Development Area

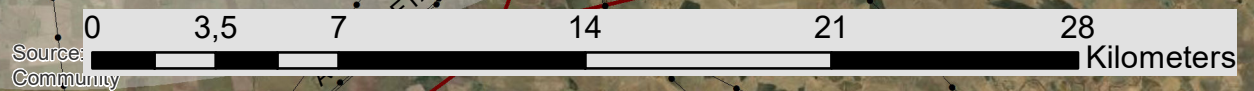
Other Known Renewable Energy Facilities (based on affected property)

-  Tutuka Solar PV (authorised)



savannah environmental

Scale: 1: 50 000
 Projection: LO19
 Map Ref: 00_Secunda Cumulative












Source: Community








Proposed Becrux Solar PV Facility, Secunda, Mpumalanga Province.

Sensitivity & Optimised Layout Map

Legend

-  Eskom Substation
-  Existing Power Line
-  Main Road
-  Perennial River
-  Non-perennial River
-  Existing Goedehoop Substation
-  Project Site
-  PV Development Area
-  Grid Connection Corridor (170m wide)

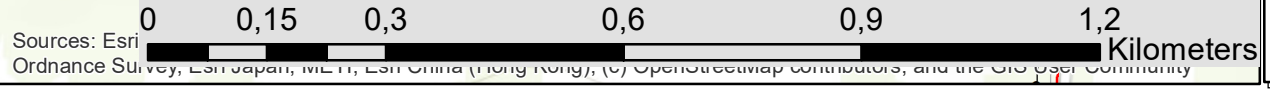
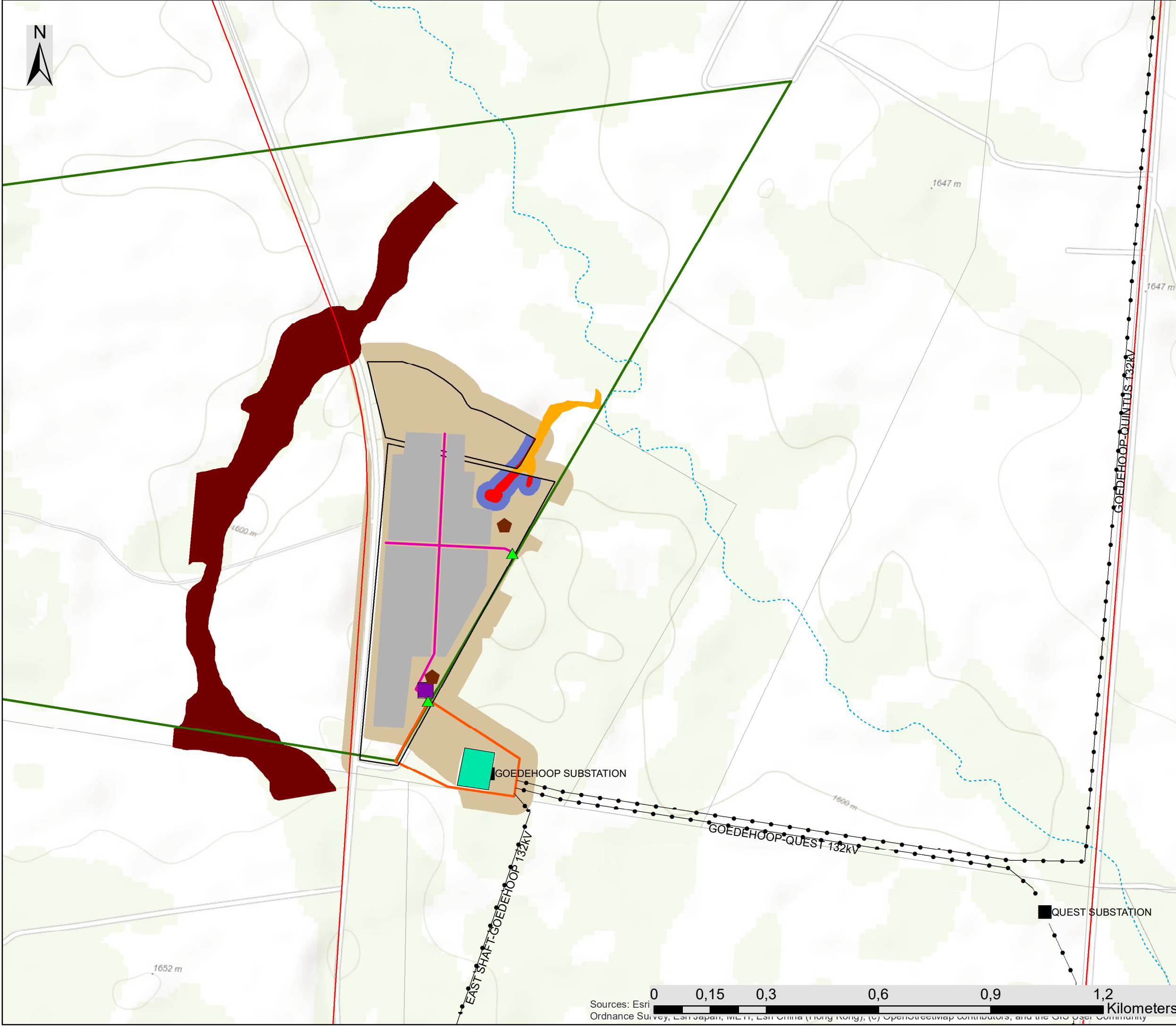
Layout:

-  Access Gate
-  Laydown Area
-  O&M Building
-  Internal Roads
-  PV Array

Environmental Features & Sensitivity

-  High Terrestrial Sensitivity
-  High Wetland Sensitivity
-  Moderate Soil Sensitivity
-  Moderate Wetland Sensitivity
-  Wetland Buffer (22m)

Scale: 1: 12 000
 Projection: LO19
 Map Ref: 00_Secunda Sens Map



Proposed Becrux Solar PV Facility, Secunda, Mpumalanga Province.

Optimised Layout Map

Legend

- Eskom Substation
- Existing Power Line
- Main Road
- Perennial River
- - - Non-perennial River
- Existing Goedehoop Substation
- Project Site
- Development Area
- Grid Connection Corridor (170m wide)

Layout Plan

- ▲ Access Gate
- Laydown Area
- O&M Building
- Internal Roads
- PV Array

Scale: 1: 12 000
 Projection: LO19
 Map Ref: 00_Secunda Layout

