

Annex G

## Maps

Locality Plan

Site Plan

Topography Map

Current PV Footprint Map

Geology Map

Soils Map

Municipal Boundaries Map





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**LEGEND**

	Property Boundary
	Proposed 11kV Overhead Transmission Line Powerline
	Existing Eskom Powerline
	Existing Roads
	Solar Park Fencing

**GPS Coordinates to Substation**

Drennan Substation	-67 781.868	3 589 102.385
Drennan Substation	32°25'26.32"S	25°43'14.54"E

Distance to closest town:  
 Approximately 40.50km to Cradock via R390



**PROJECT**

Drennan Solar Power Park (Pty) Ltd  
 62.25MWac (Installed Capacity: 75MWp)

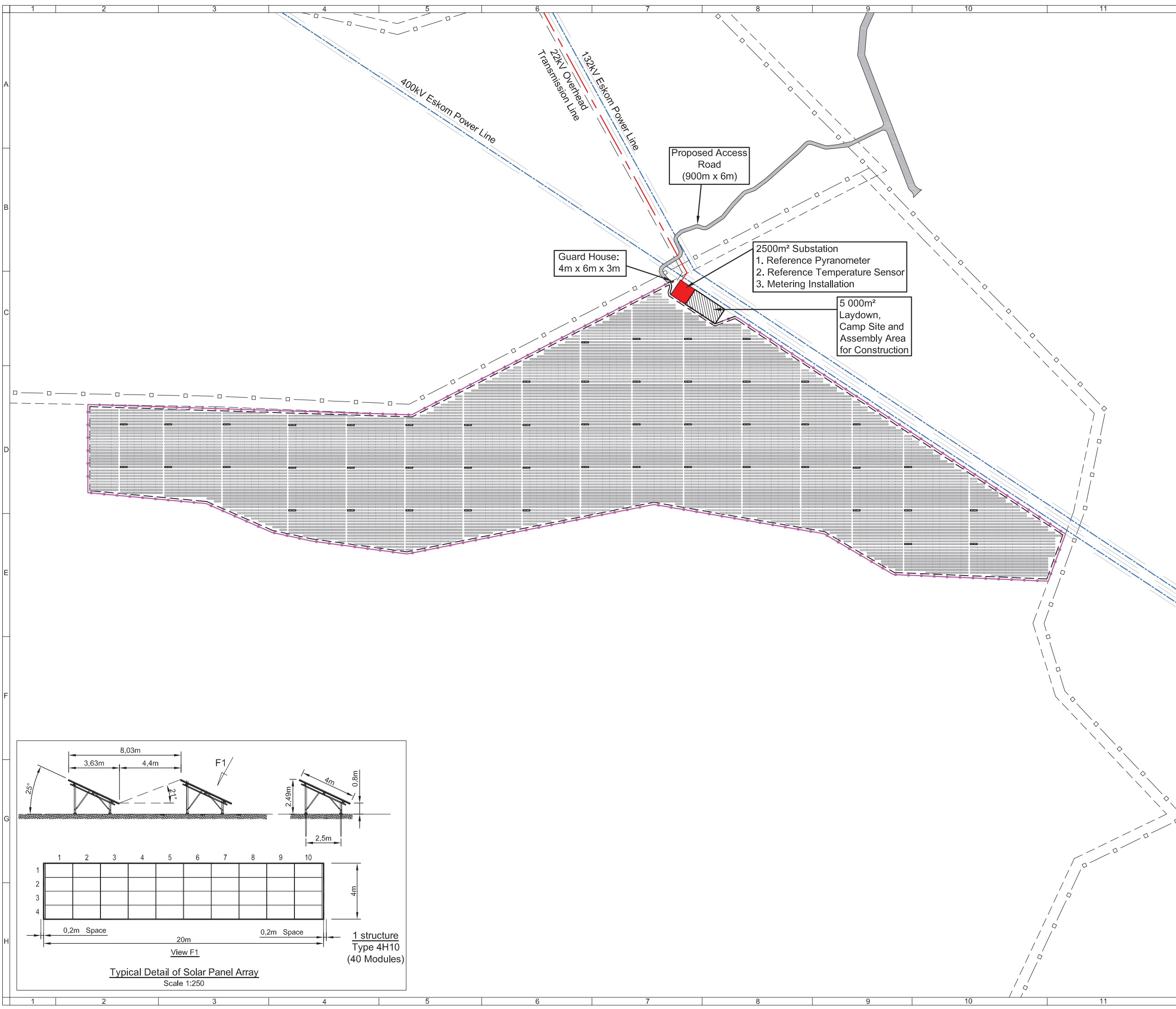
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LOCALITY PLAN

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APPROVED	G.B.	PR.ENG: 080093		DWG STATUS
				I=INFO

SD DRAWING NUMBER  
 DWG  
**DRE-EX-GE-LP-0001-A**





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Solar Park Area:	114.09ha
Leashold Erf Area:	-ha
Total PV Modules:	250 000
Fence Height:	2.4m
Trenching:	800mm
(below ground level)	
Invert/ITE (L x W x H)	7m x 3m x 3.5m
Array Enclosure:	1m² area
Foundation footprint:	steel screw piles
Borrow pits:	none
(unlikely to be required)	
Building for accommodation:	None on site
Permanent Laydown area:	None
Cut and Fill:	None

Co-ordinates of Site Bench Marks		
POINT	Y / Latitude	X / Longitude
Drennan Substation	-67 781.868	3 589 102.385
Drennan Substation	32°25'26.20"S	25°43'14.69"E

Note:  
 Refer to Setting out Data sheet for Boundary Fence

LEGEND	
	22kV Transmission Line
	400/132kV Eskom Powerline
	Property Boundary
	Solar Panel Structure
	Existing Roads
	Access Roads
	Solar Park Fencing
	Guardhouse
	30m Building Line
	Transformer



PROJECT  
 Drennan Solar Power Park (Pty) Ltd  
 62.25MWac (Installed Capacity: 75MWp)

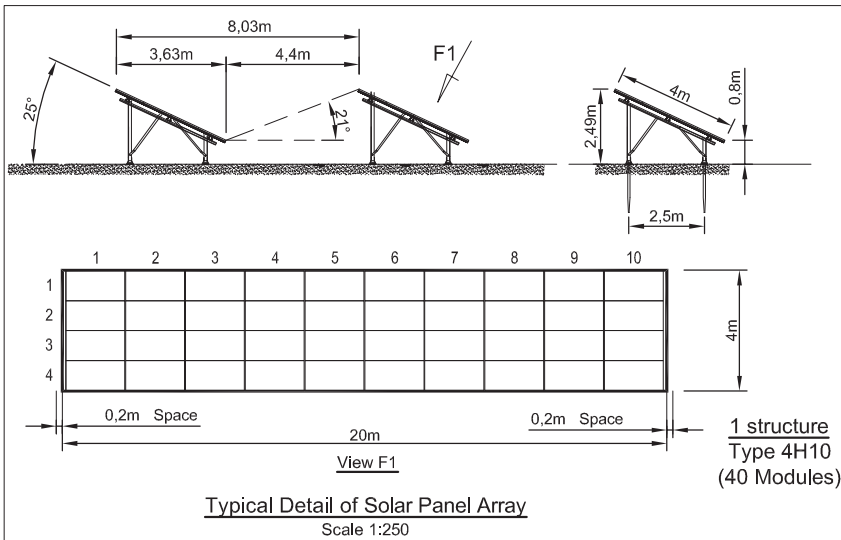
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**SITE PLAN**

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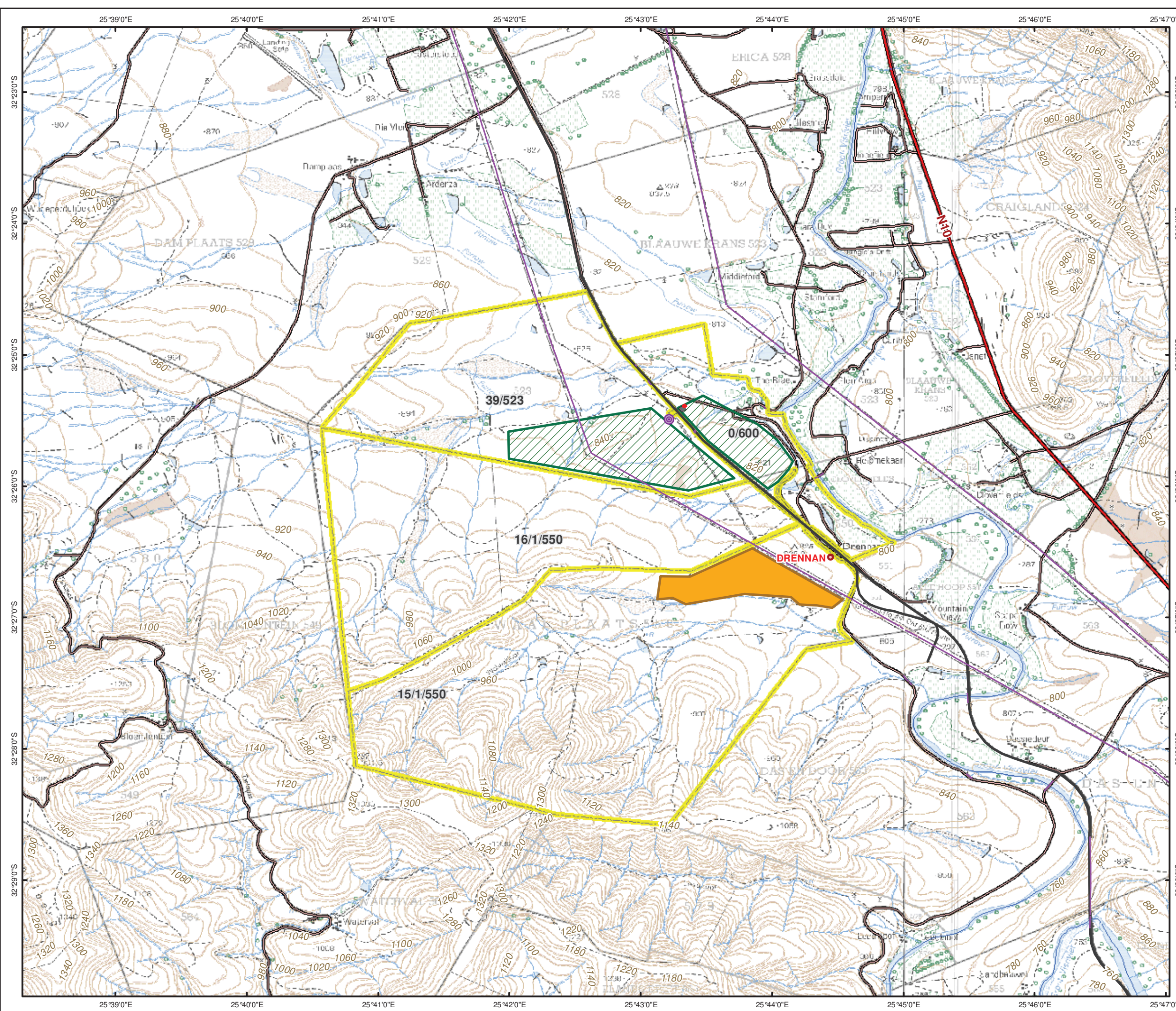
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**DRE-EX-GE-SP-0002-A**

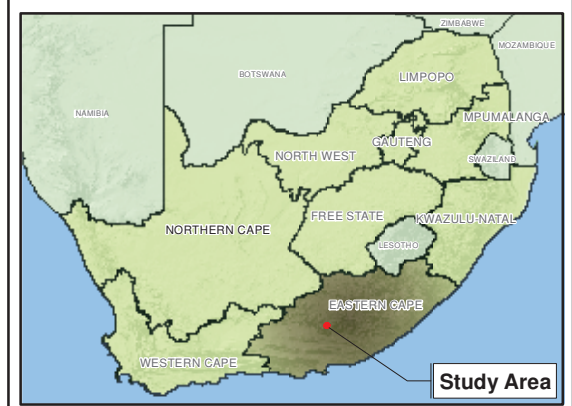
KOPIEREG VOORBEHOU / COPYRIGHT RESERVED







- Legend**
- Existing Drennan Substation
  - Place Names
  - Contour (20m)
  - Perennial Rivers
  - Non Perennial Rivers
  - Railway Line
  - Transmission Line
  - National Roads
  - Secondary Road
  - Guard House
  - Solaire Direct Substation
  - Current PV Footprint
  - Initial PV Footprint
  - Drennan PV Solar Park



TITLE:

**Figure 4.1  
Topography Map**

CLIENT:

DATE: Nov 2012	CHECKED: DA	PROJECT: 0166587
DRAWN: LDT	APPROVED: BL	SCALE: 1 : 50 000

DRAWING: Fig 4.1_Topography Map.mxd	REV: 0
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**ERM**  
 Building 32,  
 The Woodlands,  
 Woodlands Drive,  
 Woodmead, 2148  
 Johannesburg, South Africa  
 Tel: +27 (0)11 798 4300  
 Fax: +27 (0)11 804 2289

Projection: Geographic, Datum: WGS84  
 Source: NGI: Chief Directorate National Geo-Spatial Information, 3225BC & BD\_2005\_ED4\_GEO.TIF  
 Inset: ESRI Data and Maps

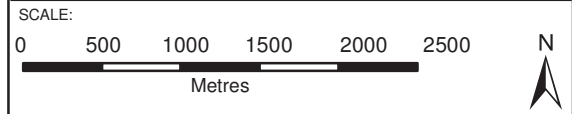
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**Legend**

- Existing Drennan Substation
- Place Names
- Contour (20m)
- Perennial Rivers
- Non Perennial Rivers
- Railway Line
- Transmission Line
- Secondary Road
- Dams
- Guard House
- Solaire Direct Substation
- Initial PV Footprint
- Current PV Footprint
- Drennan PV Solar Park



TITLE:

**Figure 4.2**  
Current PV Footprint Map

CLIENT:

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DRAWN: LDT	APPROVED: BL	SCALE: 1 : 302 000

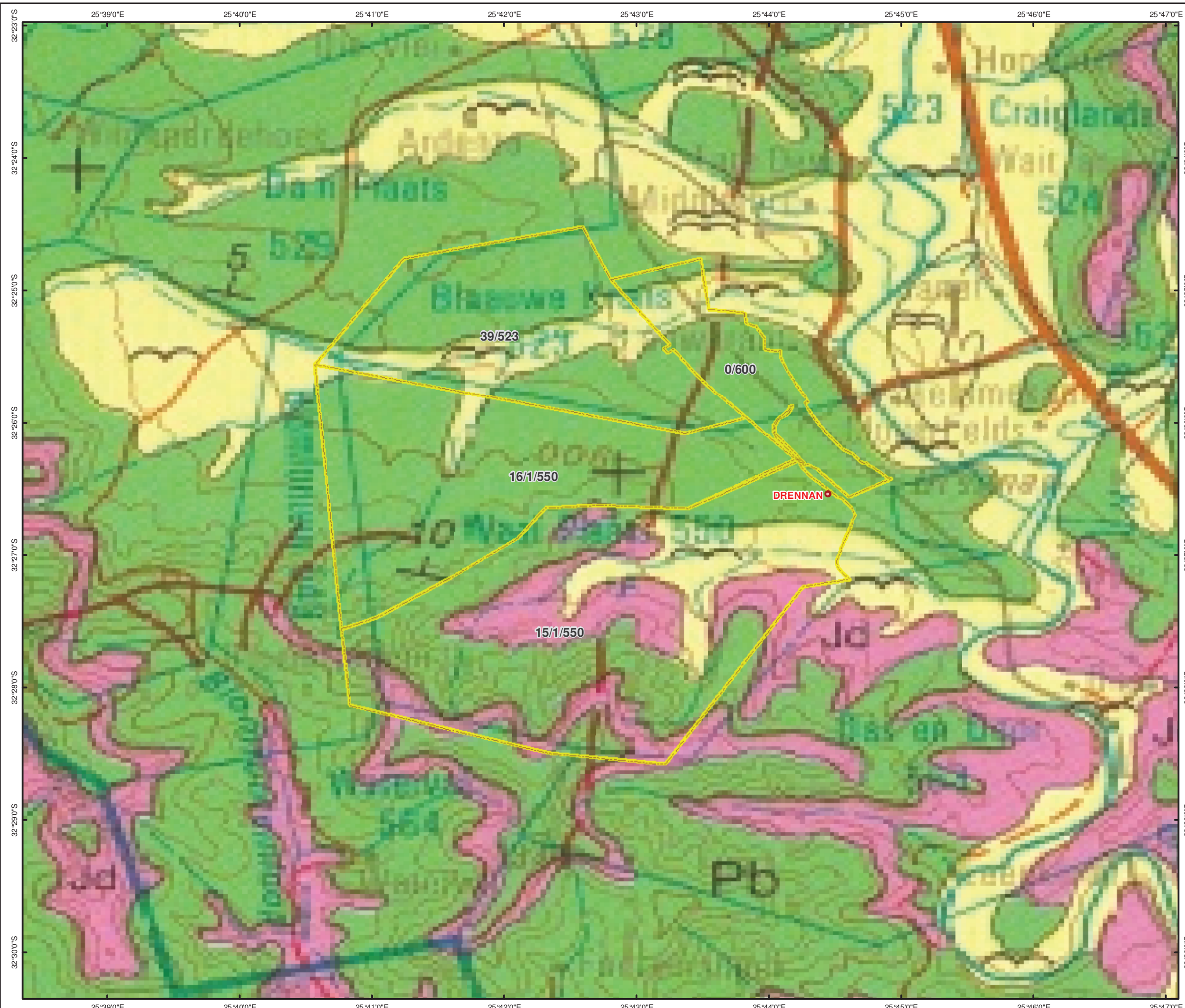
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Projection: Geographic, Datum: WGS84  
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 Inset: ESRI Data and Maps

SIZE:  
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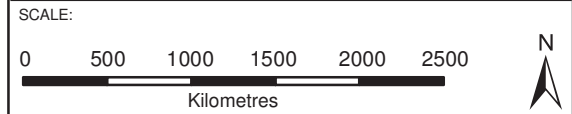


**Legend**

- Place Names
- Drennan PV Solar Park

**Geology**

- Terrace Gravel; Calcrete
- Jd Dolorite
- Pb Mudstone



TITLE:

**Figure 5.3  
Geology Map**

CLIENT:

The solar MWh company

DATE: Nov 2012	CHECKED: DA	PROJECT: 0166587
DRAWN: LDT	APPROVED: BL	SCALE: 1 : 50 000

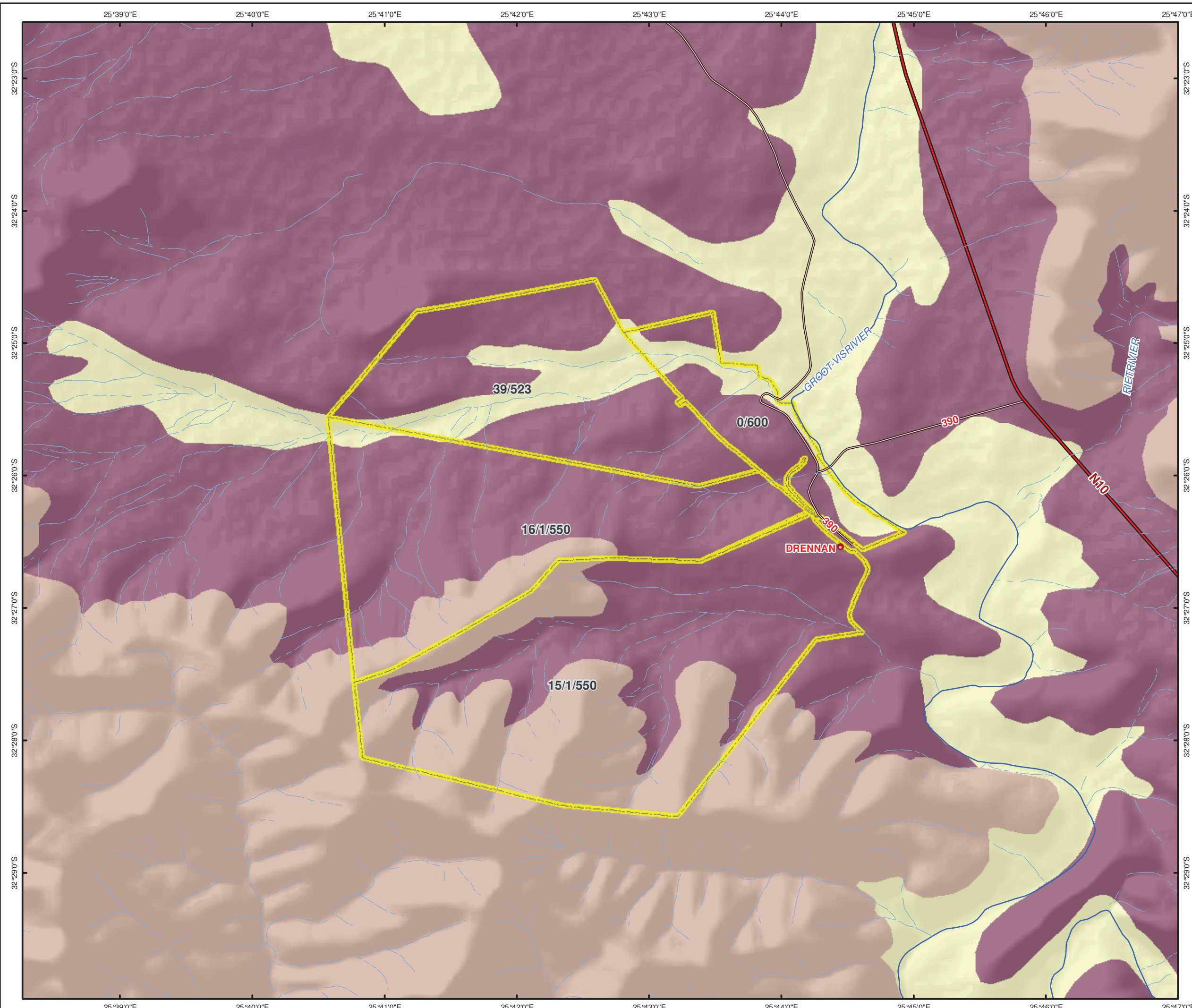
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Fig 5.3_Geology Map.mxd	0

ERM

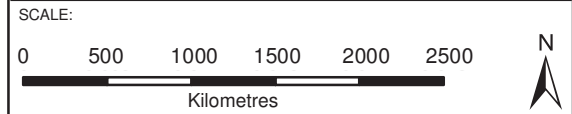
Building 32,  
The Woodlands,  
Woodlands Drive,  
Woodmead, 2148  
Johannesburg, South Africa  
Tel: +27 (0)11 796 4300  
Fax: +27 (0)11 804 2289

Projection: Geographic, Datum: WGS84 Source: Geosciences Council, 3224 1:250 000 Geology Map Inset: ESRI Data and Maps	SIZE: <b>A3</b>
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- Legend**
- Place Names
  - Perennial Rivers
  - - - Non Perennial Rivers
  - National Roads
  - Secondary Roads
  - Drennan PV Solar Park
- Soil Descriptions**
- Glenrosa and/or Mispah forms (other soils may occur), lime generally present in the entire landscape
  - Miscellaneous land classes, undifferentiated deep deposits
  - Miscellaneous land classes, rocky areas with miscellaneous soils
  - Prisma-cutanic and/or pedocutanic diagnostic horizons dominant, mainly red B horizons
  - Prisma-cutanic and/or pedocutanic diagnostic horizons dominant, B horizons mainly not red
  - Red-yellow apedal, freely drained soils, red, high base status, < 300 mm deep



TITLE:

**Figure 5.4  
Soils Map**

CLIENT:

**solairedirect**  
Southern Africa  
The solar MWh company

DATE: Nov 2012	CHECKED: DA	PROJECT: 0166587
DRAWN: LDT	APPROVED: BL	SCALE: 1 : 50 000

DRAWING: Fig 5.4_Soils Map.mxd	REV: 0
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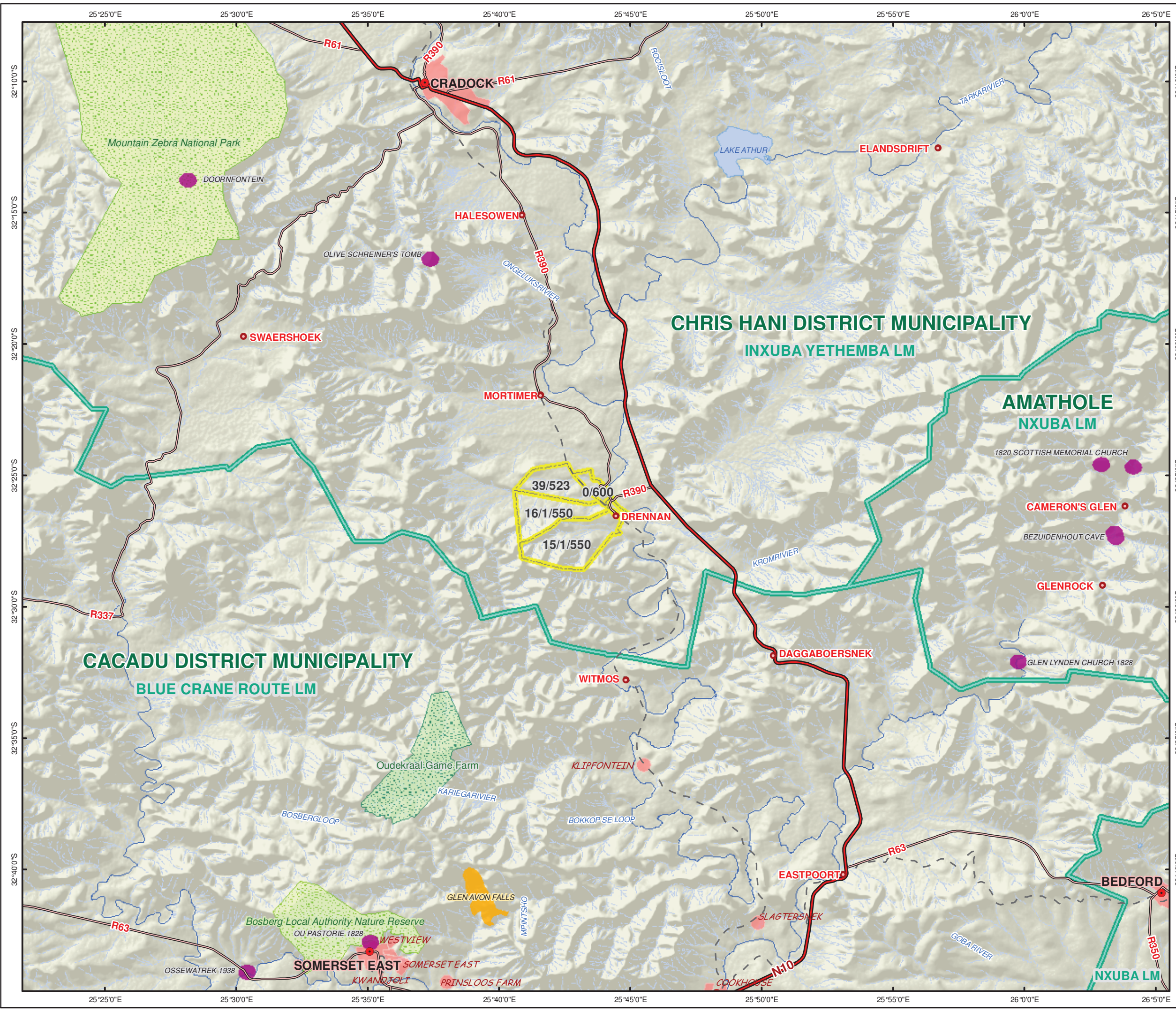
**ERM**

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Projection: Geographic, Datum: WGS84  
Source: NGI: Chief Directorate National Geo-Spatial Information, SANBI, EnPAT, Demarcation Board (2012)  
Inset: ESRI Data and Maps

SIZE:  
**A3**





**Legend**

- MainTown
- Place Names
- Perennial Rivers
- - - Non Perennial Rivers
- National Roads
- Secondary Roads
- - - Railway Line
- Dams
- Communities
- Cultural Sites
- Heritage Site
- Informal Protected Areas
- National Parks
- Drennan PV Solar Park
- Local Municipalities
- DistrictMunicipalities

**SCALE:**  
0 3 6 9 12  
Kilometres

**TITLE:**  
**Figure 5.6  
Municipal Boundaries Map**

**CLIENT:**  
**solairedirect**  
Southern Africa  
The solar MWh company

DATE: Nov 2012	CHECKED: DA	PROJECT: 0166587
DRAWN: LDT	APPROVED: BL	SCALE: 1 : 150 000

**DRAWING:** Fig 5.6\_Municipal Boundaries Map.mxd **REV:** 0

**ERM**  
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Woodmead, 2148  
Johannesburg, South Africa  
Tel: +27 (0)11 798 4300  
Fax: +27 (0)11 804 2289

Projection: Geographic, Datum: WGS84  
Source: NGI: Chief Directorate National Geo-Spatial Information, SANBI, EnPAT, Demarcation Board (2012)  
Inset: ESRI Data and Maps

**SIZE:**  
A3

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