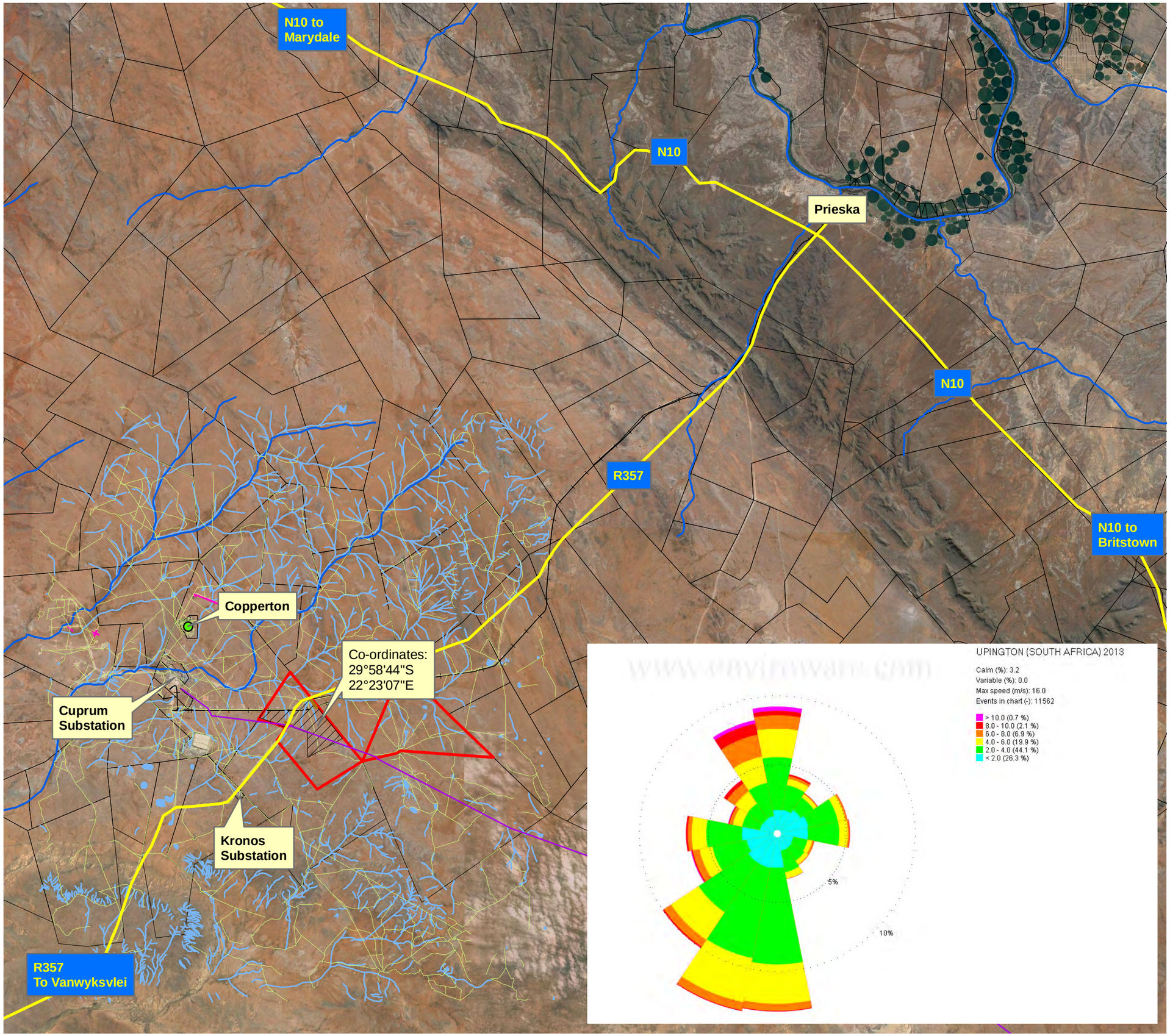


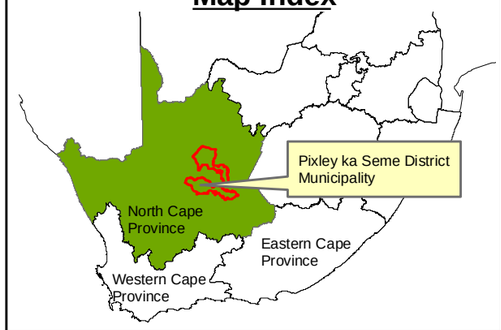
Notes

- Map Scale is 1 : 250 000 when printed on A3.
- Aerial Image courtesy of Google Earth Pro 2015.
- Imagery date October 2013.
- Apart from the N10 and R357 all roads depicted are gravel.
- Metar Windrose dated 2013 - Upington Station (204 kms north)

N

0 1.25 2.5 5 7.5 10 Kilometers

Map Index



Location Plan

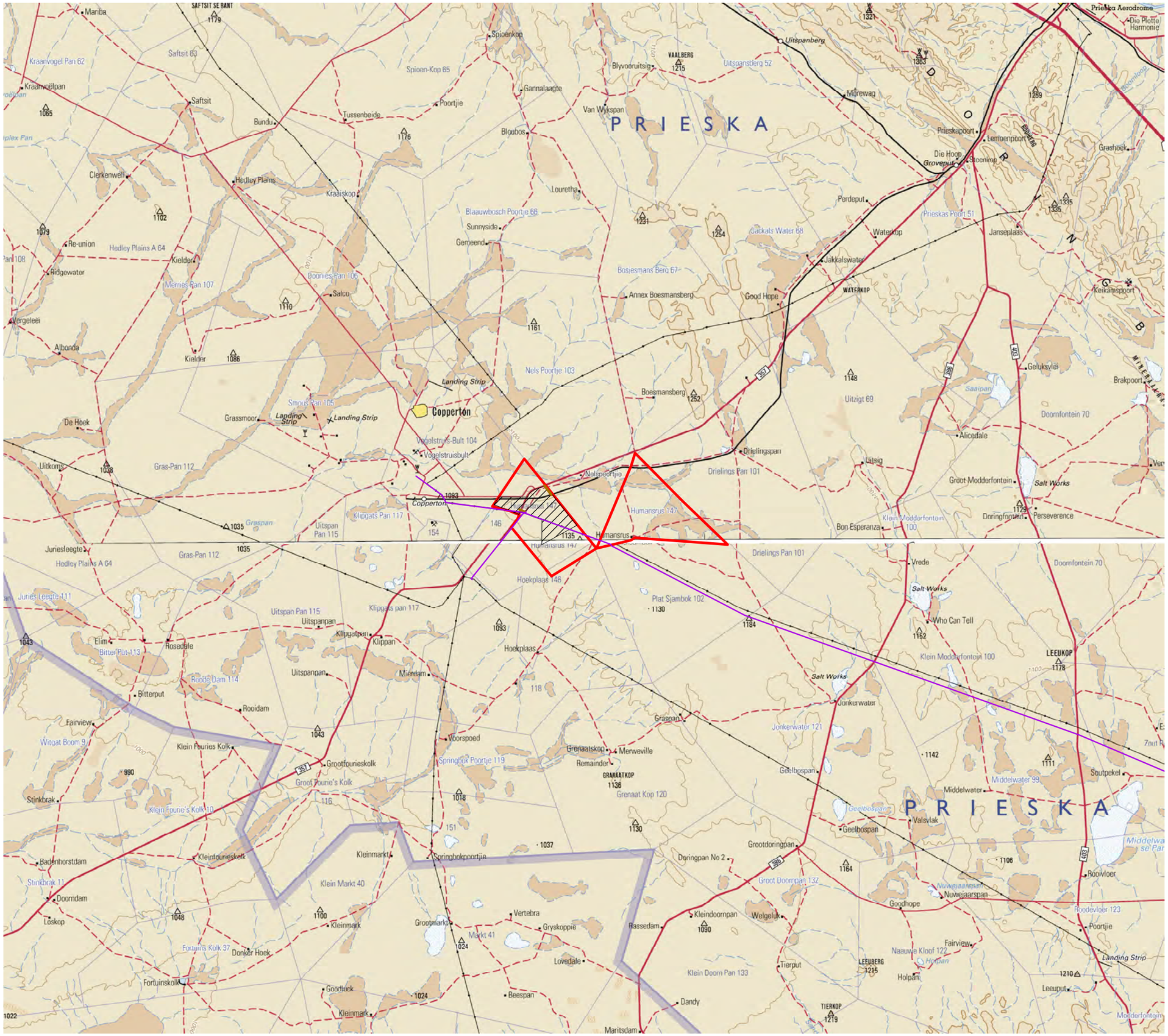
Humansrus Solar PV
Energy Facility 3
Portion of Farm 147

Legend

- **Farm 147 Humansrus**
- HR3 Preliminary Study area
- **Existing Roads**
- Access roads
- **Air Transport**
- Grid connection
- **NFEPA Rivers**
- **Water Bodies**
- **Seasonal Washes**
- **Railway Line**

Drawn	Checked	Date	Reference
Melissa Mackay	Dale Holder	October 2015	SIY402

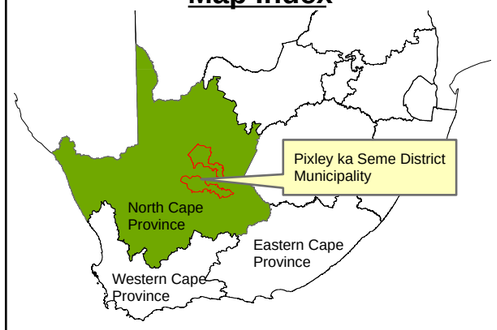
Cape Environmental Assessment Practitioners (Pty) Ltd



Notes

- Map Scale is 1 : 250 000 when printed on A3.
- 1:250k Topographical data courtesy of Surveyor General.
- Imagery date 2005.

Map Index



1:250 000 Topographical Plan

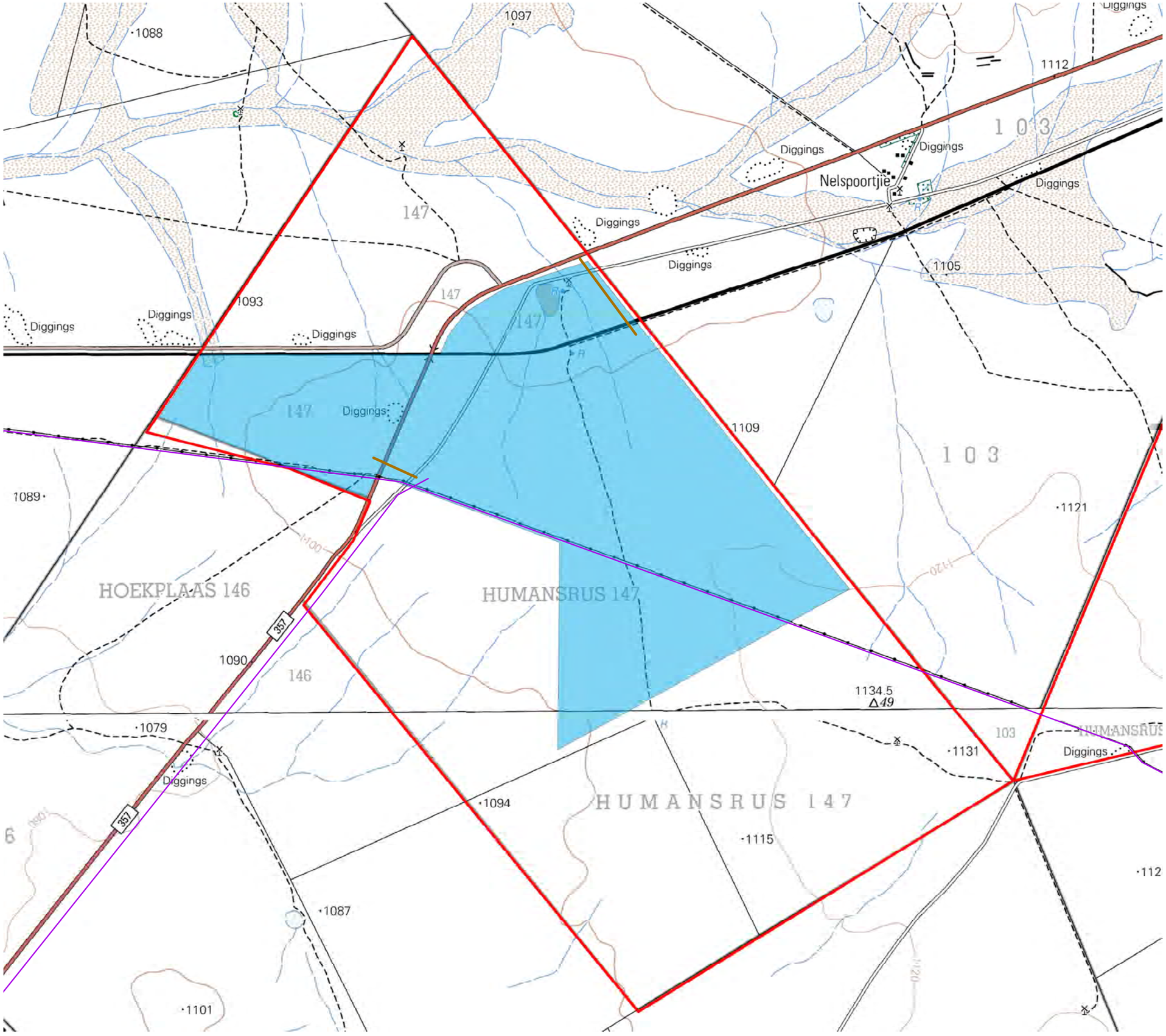
Humansrus Solar PV Energy Facility 3,
Portion of Farm 147 Humansrus

Legend

- **Farm 147 Humansrus**
- HR3 Preliminary Study area
- Access roads
- Grid connection_lines

Drawn	Checked	Date	Reference
Melissa Mackay	Dale Holder	October 2015	SIY402

Cape Environmental Assessment Practitioners (Pty) Ltd



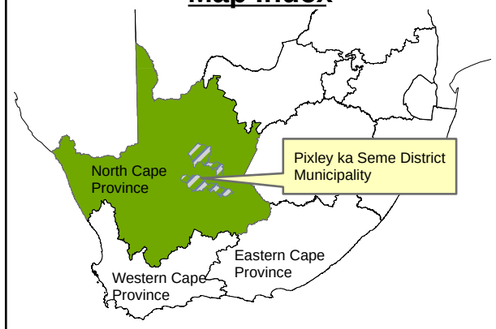
Notes

- Map Scale is 1 : 30 000 when printed on A3.
- 1:50k Topographical data courtesy of Surveyor General.
- Imagery date 2005.

N

0 0.2 0.4 0.8 1.2 1.6 Kilometers

Map Index



1:50 000 Topographical Plan

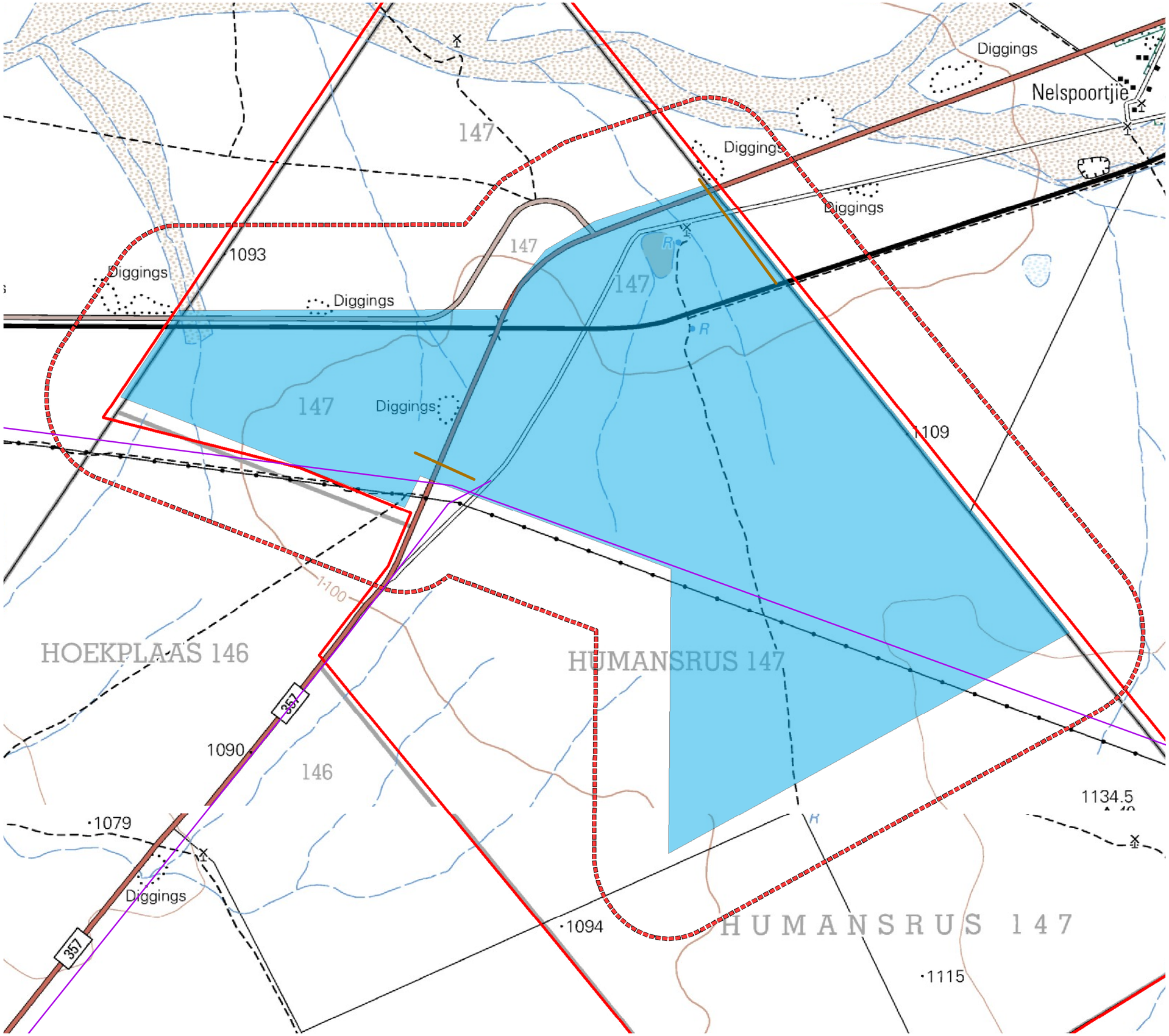
Humansrus Solar PV Facility 3
Portion of Farm 147
Humansrus

Legend

- Farm 147 Humansrus
- HR3 Preliminary Study area
- Grid connection_lines
- Access roads

Drawn	Checked	Date	Reference
Melissa Mackay	Dale Holder	October 2015	SIY402

Cape Environmental Assessment Practitioners (Pty) Ltd



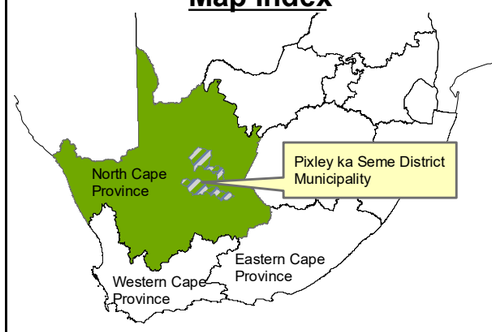
Notes

- Map Scale is 1 : 30 000 when printed on A3.
- 1:50k Topographical data courtesy of Surveyor General.
- Imagery date 2005.

N

0 0,125 0,25 0,5 0,75 1 Kilometers

Map Index



500m Radius Land Use

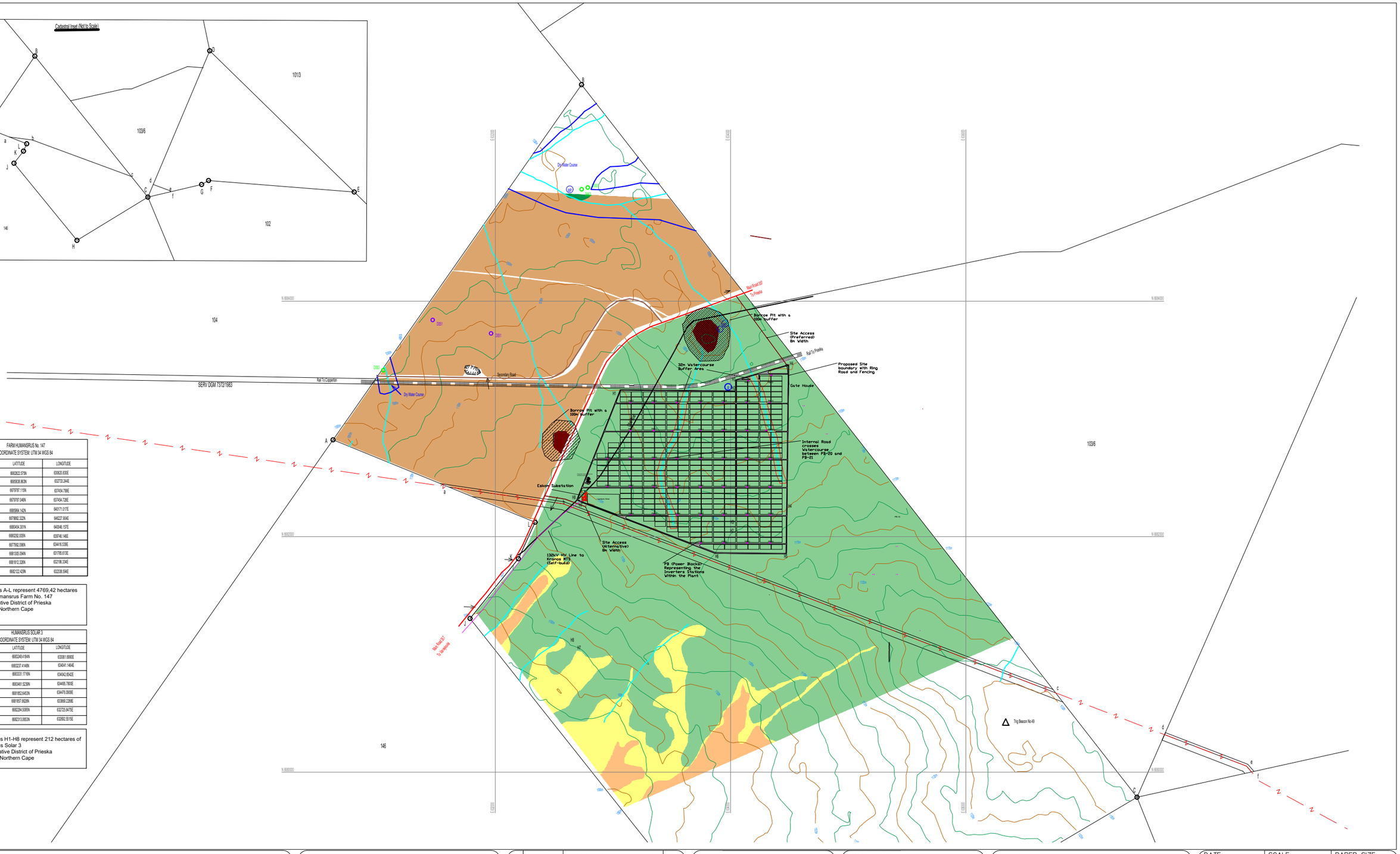
Humansrus Solar PV Facility 3
Portion of Farm 147
Humansrus

Legend

- Farm 147 Humansrus
- HR3 Preliminary Study area
- Grid connection_lines
- Access roads
- 500m radius

Drawn	Checked	Date	Reference
Melissa Mackay	Dale Holder	October 2015	SIY402

Cape Environmental Assessment Practitioners (Pty) Ltd



FARM HUMANSRUS No. 147 COORDINATE SYSTEM: UTM 34 WGS 84		
POINT	LATITUDE	LONGITUDE
A	6953622.572N	630620.630E
B	6959528.863N	632733.244E
C	6975787.115N	637454.789E
C2	6975787.248N	637454.726E
D	6985964.142N	640171.017E
E	6975992.322N	646227.904E
F	6965454.301N	643046.157E
G	6965262.555N	639746.146E
H	6977992.298N	634416.530E
J	6981305.284N	631795.815E
K	6981812.326N	632196.334E
L	6982122.429N	632238.594E

The figures A-L represent 4769,42 hectares of The Humansrus Farm No. 147
Administrative District of Prieska
Province: Northern Cape

HUMANSRUS SOLAR 3 COORDINATE SYSTEM: UTM 34 WGS 84		
POINT	LATITUDE	LONGITUDE
H1	6968324.418N	633081.689E
H2	6968237.474N	634041.146E
H3	6968331.171N	634042.854E
H4	6965491.523N	634495.785E
H5	6961852.643N	634476.590E
H6	6961857.692N	633869.229E
H7	6965264.595N	633725.947E
H8	6968313.065N	633682.551E

The figures H1-H8 represent 212 hectares of Humansrus Solar 3
Administrative District of Prieska
Province: Northern Cape

GENERAL NOTES:

1. Cadastral information supplied by Surveyor-General – Subject to survey.
2. Topographical information as supplied by Survey and Mapping Mowbray–Subject to survey.
3. Contours as supplied by Survey and Mapping Mowbray–Subject to survey.
4. All areas outside of project footprint and access road considered to be no-go zones.
5. Ring road to be used as firebreak to the Solar facility.
6. Access roads and Internal road network to have a 6m width or less.
7. Internal road crosses over watercourse between PB–20 and PB–21.
8. HV Line pylon distance separation will be between 100m and 300m
9. Project footprint incorporates the 75m buffer on the R357 and Prieska–Copperton road as recommended by the visual specialist.
10. The borrow pit, although deemed to have a low sensitivity from an ecological perspective, has a high sensitivity from an Avifaunal perspective therefore requiring a 100m buffer.

LEGEND

- NATIONAL ROUTE
- SECONDARY ROUTE
- OTHER ROAD– EXISTING
- INTERNAL ROAD NETWORK
- RAIL
- DIGGINGS (BURROW PIT)
- CUPRUM HYDRA 132Kv
- R EXISTING RESERVOIR
- WP WIND PUMP
- D063 D051 ARCHAELOGICAL NO GO AREAS
- 5m BUFFER STONE CAIRNS
- NON–PERENNIAL WATERCOURSE
- 132kV HV Line
- BORROW PIT LOW SENSITIVITY
- TREES MID–HIGH SENSITIVITY
- PLAIN MID–LOW SENSITIVITY
- WASH MED–HIGH SENSITIVITY
- WASH MED SENSITIVITY
- PLAINS MED SENSITIVITY
- ROADS AND RAIL LOW SENSITIVITY
- ACCESS ROUTE OPTION
- 32m BUFFER AREA
- INVERTERS
- 100m BUFFER

REV	DATE	DESCRIPTION OF CHANGES	BY
no.1	6/04/16	Layout of Humansrus 4	BR
no.2	7/04/16	Revised Layout	BR
no.3	3/05/16	Revised Layout	BR
no.4	5/05/16	Revised Layout	BR

CLIENT:
Humansrus Solar 3 (Pty) Ltd.

Details
101, BLOCK A,
WEST QUAY BUILDING
7 WEST QUAY ROAD
Waterfront 8000
bradley@atlanticep.com

Tel: +27 21 418 2596
Cel: +27 72 855 3420
Fax: +27 86 611 0894

CONSULTANT:
ATLANTIC ENERGY PARTNERS

Details
101, BLOCK A,
WEST QUAY BUILDING
7 WEST QUAY ROAD
Waterfront 8000
bradley@atlanticep.com

Tel: +27 21 418 2596
Cel: +27 72 855 3420
Fax: +27 86 611 0894

PROJECT TITLE: Humansrus Solar 3

DRAWING TITLE: Conceptual PV Layout

LOCATION: Farm Humansrus 147, Copperton, N.C.

DATE:	SCALE:	PAPER SIZE:
6/04/16	1: 3000	A3
DESIGNED BY:	DRAWN BY:	CHECKED BY:
B.Rabbitte	B.Rabbitte	D.Peinke

DRAWING NO.: HS–003–01

REV. NO.: 04

APPROVAL:
SIGNATURE: NAME: D.Peinke PR. REG.: DATE: 6/04/16

THE ORIGINAL IS HELD AT THE group HEAD OFFICE