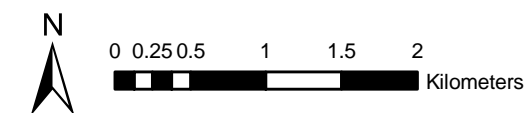
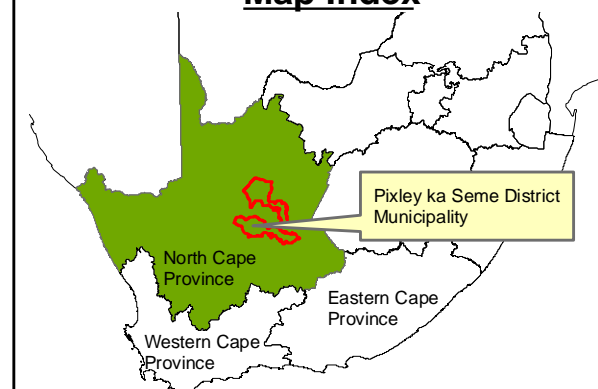


Notes

- 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)



Map Index



Site Layouts

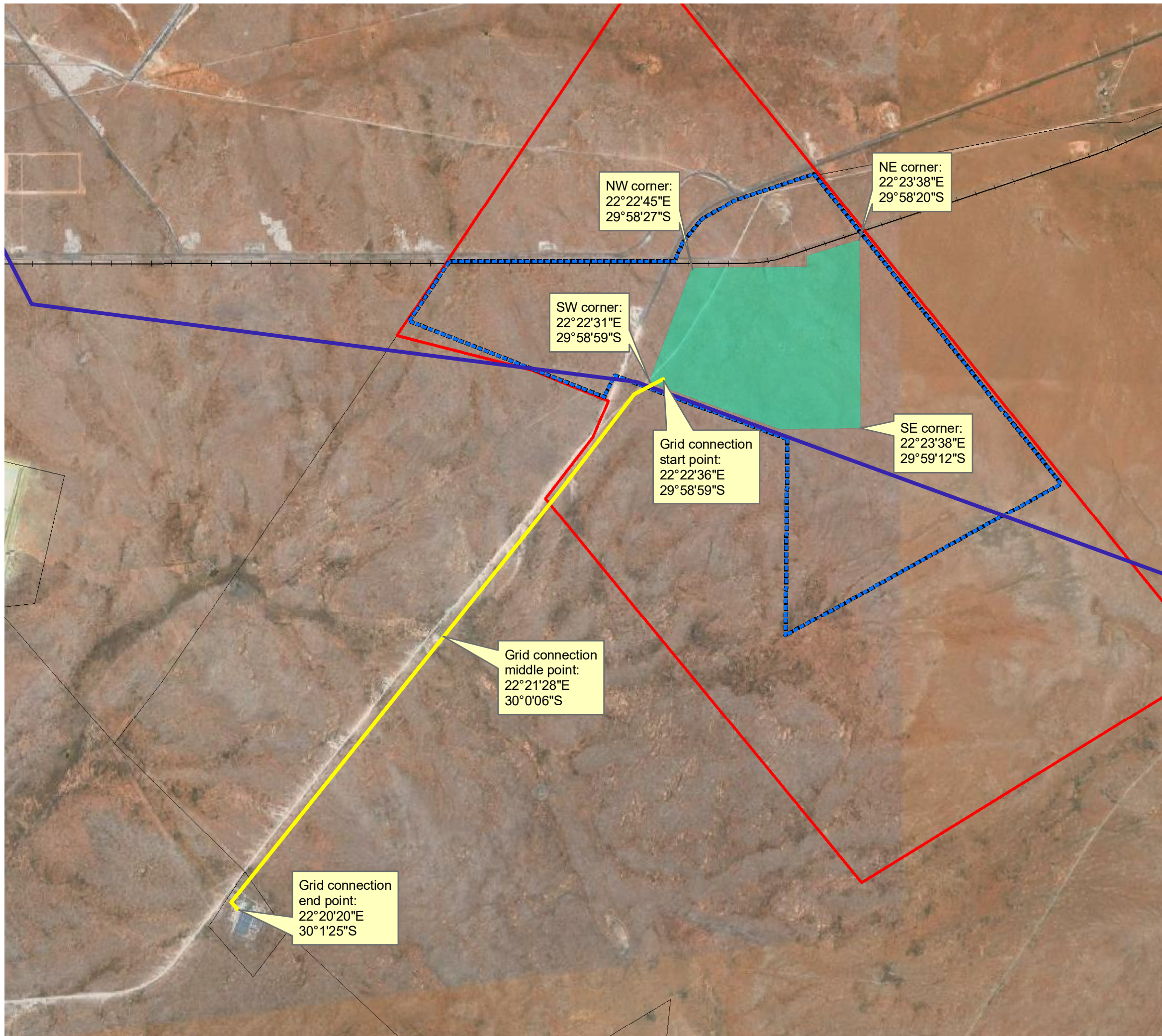
Humansrus Solar PV
Energy Facility 3
Portion of Farm 147

Legend

- Grid connection**
Grid Connection
- Cuprum Hydra 132kV
 - Self Build grid connection_Kronos
 - HR3_Preferred layout
 - HR3 Alternative 2
 - HR3 Preliminary Study area
 - **Farm 147 Humansrus**
 - **Railway Line**

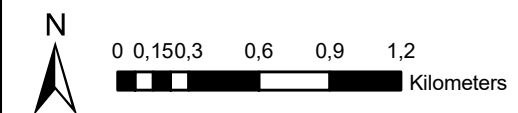
Drawn	Checked	Date	Reference
Melissa Mackay	Dale Holder	October 2015	SIY402



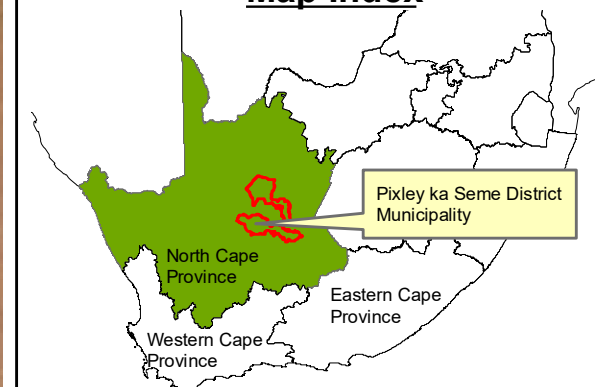


Notes

- 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.



Map Index



**Site Layout Alternative 1
(Preferred)**

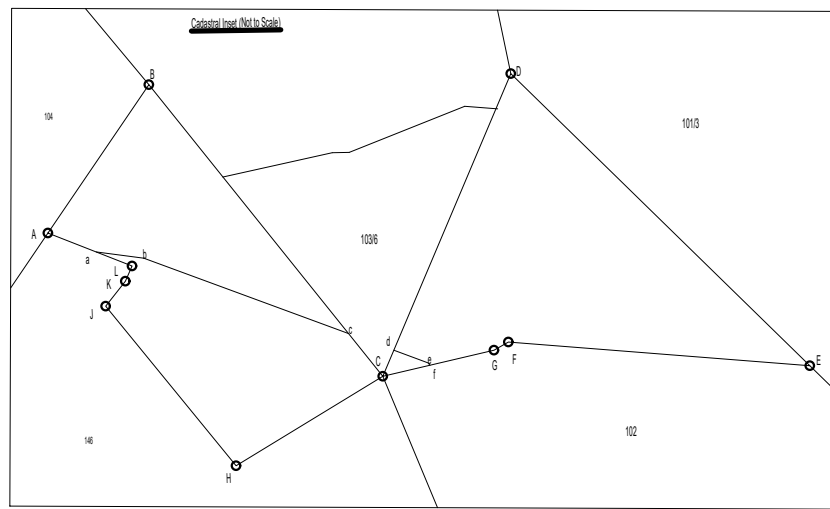
Humansrus Solar PV
Energy Facility 3
Portion of Farm 147

Legend

- Farm 147 Humansrus
- HR3 Preliminary Study area
- HR3 Preferred layout
- Grid connection**
- Grid Connection**
- Cuprum Hydra 132kV
- Self Build grid connection_Kronos
- Railway Line

Drawn	Checked	Date	Reference
Melissa Mackay	Dale Holder	October 2015	SIY402





FARM HUMANSRUS No. 147
COORDINATE SYSTEM: UTM 34 WGS 84

POINT	LATITUDE	LONGITUDE
A	33°02'57.00N	023°03'53.00E
B	33°03'00.00N	023°03'54.00E
C	33°03'01.00N	023°04'00.00E
C2	33°03'01.00N	023°04'00.00E
D	33°03'04.00N	023°04'00.00E
E	33°03'05.00N	023°04'00.00E
F	33°03'06.00N	023°04'00.00E
G	33°03'07.00N	023°04'00.00E
H	33°03'08.00N	023°04'00.00E
I	33°03'09.00N	023°04'00.00E
J	33°03'10.00N	023°04'00.00E
K	33°03'11.00N	023°04'00.00E
L	33°03'12.00N	023°04'00.00E

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	33°03'14.00N	023°04'00.00E
H2	33°03'15.00N	023°04'00.00E
H3	33°03'16.00N	023°04'00.00E
H4	33°03'17.00N	023°04'00.00E
H5	33°03'18.00N	023°04'00.00E
H6	33°03'19.00N	023°04'00.00E
H7	33°03'20.00N	023°04'00.00E
H8	33°03'21.00N	023°04'00.00E

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

- GENERAL NOTES:**
- Cadastral information supplied by Surveyor-General - Subject to survey.
 - Topographical information as supplied by Survey and Mapping Mowbray-Subject to survey.
 - Contours as supplied by Survey and Mapping Mowbray-Subject to survey.
 - All areas outside of project footprint and access road considered to be no-go zones.
 - Ring road to be used as firebreak to the Solar facility.
 - Access roads and internal road network to have a 6m width or less.
 - Internal road crosses over watercourse between PB-20 and PB-21.
 - HV Line pylon distance separation will be between 100m and 300m
 - Project footprint incorporates the 75m buffer on the R357 and Prieska-Copperton road as recommended by the visual specialist.
 - 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	BORROW PIT
SECONDARY ROUTE	LOW SENSITIVITY
OTHER ROAD- EXISTING	MID-HIGH SENSITIVITY
INTERNAL ROAD NETWORK	MID-LOW SENSITIVITY
RAIL	WASH
DIGGINGS (BURROW PIT)	MED-HIGH SENSITIVITY
CUPRUM HYDRA 132kv	WASH
EXISTING RESERVOIR	MED SENSITIVITY
WIND PUMP	ROADS AND RAIL
ARCHAEOLOGICAL NO GO AREAS	LOW SENSITIVITY
5m BUFFER STONE CAIRNS	ACCESS ROUTE OPTION
NON-PERENNIAL WATERCOURSE	32m BUFFER AREA
132kv HV Line	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

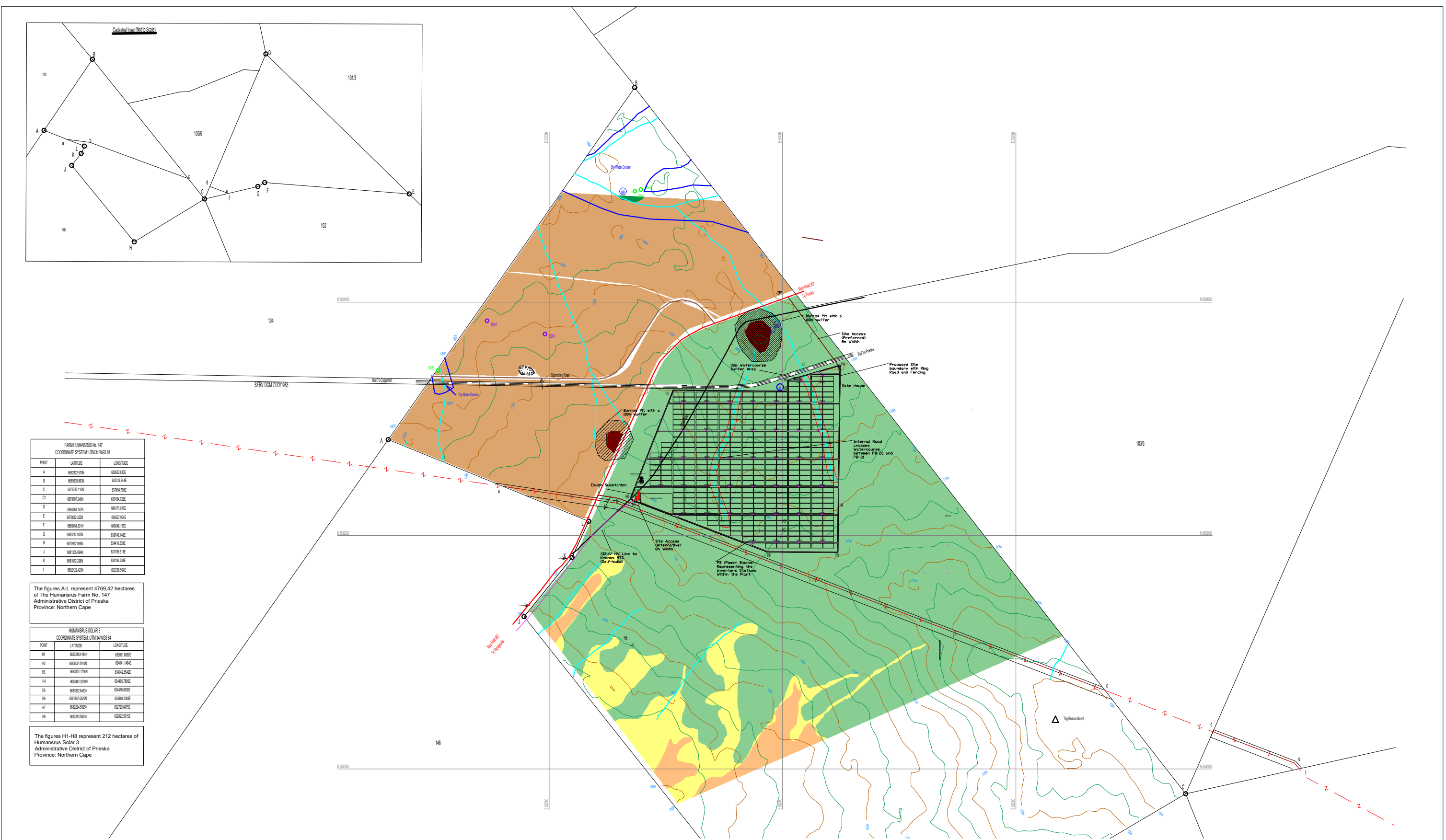
Tel: +27 21 418 2596
Cel: +27 72 855 3420
Fax: +27 86 611 0894

PROJECT TITLE:
Humansrus Solar 3

DRAWING TITLE:
Conceptual PV Layout

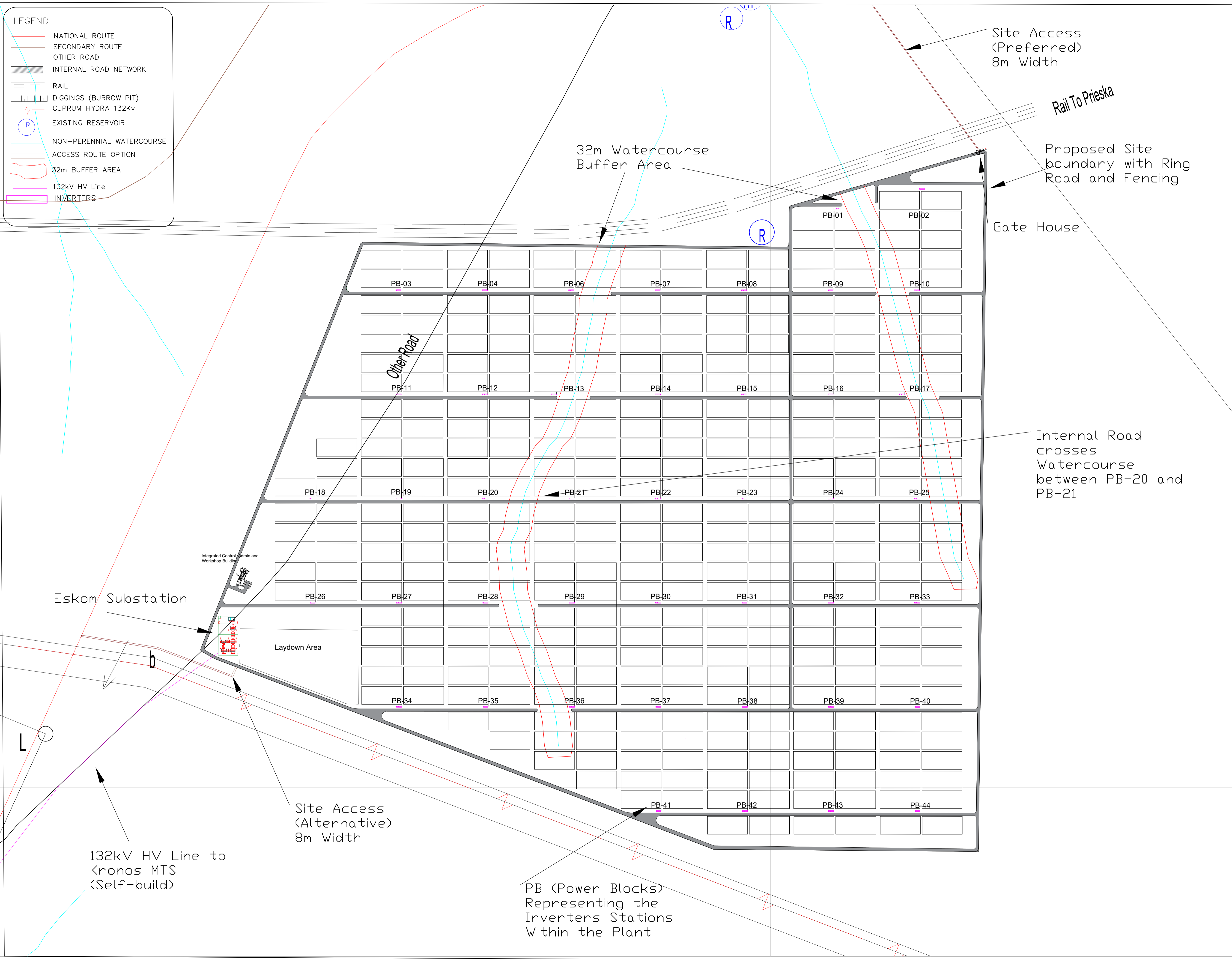
LOCATION:
Farm Humansrus 147,
Copperton, N.C.

DATE: 6/04/16	SCALE: 1: 3000	PAPER SIZE: A3
DESIGNED BY: B.Rabbitte	DRAWN BY: B.Rabbitte	CHECKED BY: D.Peinke
DRAWING NO.: HS-003-01		REV. NO.: 04
APPROVAL:		
SIGNATURE: 	NAME: D.Peinke	PR. REG.: 6/04/16
THE ORIGINAL IS HELD AT THE group HEAD OFFICE		



LEGEND

- NATIONAL ROUTE
- SECONDARY ROUTE
- OTHER ROAD
- INTERNAL ROAD NETWORK
- RAIL
- DIGGINGS (BURROW PIT)
- CUPRUM HYDRA 132kV
- EXISTING RESERVOIR
- NON-PERENNIAL WATERCOURSE
- ACCESS ROUTE OPTION
- 32m BUFFER AREA
- 132kV HV Line
- INVERTERS



- GENERAL NOTES:**
1. Cadastral information supplied by Surveyor-General – Subject to survey
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CLIENT:
 Humansrus Solar 3 (Pty) Ltd.

 101, BLOCK A,
 WEST QUAY BUILDING
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 bradley@atlanticep.com

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CONSULTANT:



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 West Quay Building
 7 West Quay Road
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 Tel: +27 21 418 2596
 Cel: +27 72 855 3420
 Fax: +27 86 611 0894

REV	DATE	DESCRIPTION OF CHANGES	BY
1	6/04/16	Conceptual PV Layout	BR
2	7/04/16	Revised Layout	BR
3	3/05/16	Revised Layout	BR
4	5/05/16	Revised Layout	BR

PROJECT TITLE:
 Humansrus Solar 3

LOCATION:
 Farm 147, Copperton,
 Northern Cape

DRAWING TITLE:
 Conceptual PV Layout

SCALE
 1:8400

DATE: 6/04/16
PAPER SIZE: A1

DESIGNED BY: B.Rabbitte	DRAWN BY: B.Rabbitte	CHECKED BY: D.Peinke
SIGNATURE:	SIGNATURE:	SIGNATURE:

DRAWING NO:
 HS-003-02

APPROVAL:

 D.Peinke 6/4/16
 SIGNATURE: NAME: PR. REG: DATE: