

Appendix A: Maps

Appendix A1: Locality Maps

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Appendix A2: Layout Plan/Map

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46

PLANT SUMMARY											
Name	Number of tables	Power plant capacity	North Orientation	East/West Pitch	Pitch between table	G.C.R	Table	Number of module per table	Module capacity	Capacity per table	Number of string per table
Extrack HZ	40	5.74 MW	8.27°	660 m	1 m, 3 m, 9 m	85.8 %	2x-Table	20	286.7 Wp	5.73 MW	1

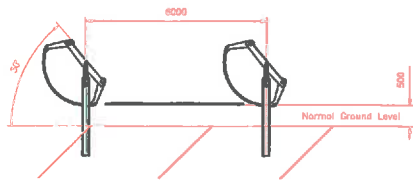
BLOCK SUMMARY					
Power Conversion Station	Number of Extrack HZ	Number of Tables	Power Capacity	Number of 24 Input SCB	Number of 16 Input SCB
PCS 1	12	307	1,903 MWdc	3	17
PCS 2	14	311	1,829 MWdc	12	6
PCS 3	14	308	1,916 MWdc	5	13

SUMMARY	
Name	Total Length
DC String Run Length	24127 m
CB to Inverter DC Cable Run Length	8818 m
Motor Power Supply	1412 m
Motor Profiles	1412 m
LV Tranch Length	1200 m
MY Tranch Length	850 m
Road Length	5445 m
Fence Length	2800 m
No. of 24 Input CB	20
No. of 16 Input CB	34
No. of Inverter Transformer Stations (250kV each)	3
No. Weather Stations	2
No. of Extrack HZ	40

GPS COORDINATES	
A	28°12'16.88" S 23°03'2.48" E
B	28°12'35.73" S 23°33'34.99" E
C	28°12'18.88" S 23°33'2.48" E

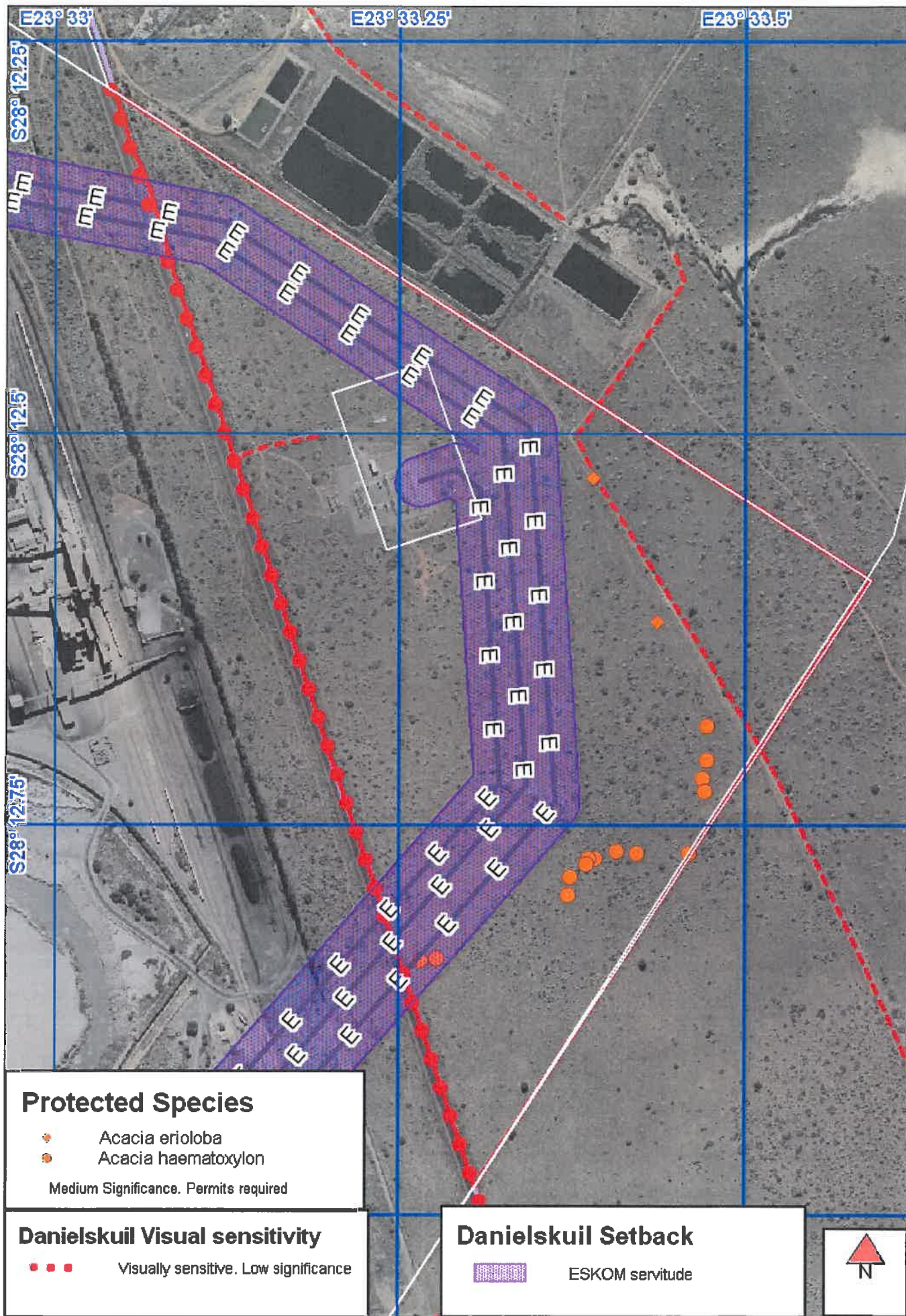


LEGEND	
	Table
	Trail
	Transformer sub-station with Exobor
	Shed
	Drive motor
	Combiner Box
	DC Cables (between modules and Combiner Box - No branches needed)
	DC Cables (between Combiner Box and Inverter)
	Power Supply network
	Communication network (Profibus)
	Fence
	Weather Station
	Access Gate



			KENTZ (Pty) Ltd Engineers & Constructors Member of the SNC-Lavalin Group Vanderkooi, South Africa Tel: +27 18 010 8200 Fax: +27 18 023 4540						ROMA Energy Danielskuil (Pty) Ltd 201220387107 SITE LAYOUT		
Reference Drawings	Description	Revision	Revision Information	Amended by:	Checked by:	Date	Drawn:	FWN	Date:	20160420	
		A	ISSUED FOR INFORMATION	FWN	CJF	20160420	Engineer:	CJF	Date:	20160420	
							Approved:	CJF	Date:	20160420	
							Scale:	N T 8	Dwg Size:	A1	
Kentz Drawing No. E0026-K2E-LAY-DNK									Sheet	01	
									Revision	A	

Appendix A3: Sensitivity Map



Protected Species

- *Acacia erioloba*
 - *Acacia haematoxylon*
- Medium Significance. Permits required

Danielskuil Visual sensitivity

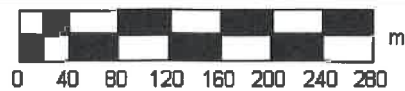
- Visually sensitive. Low significance

Danielskuil Setback

- ESKOM servitude



Danielskuil Solar site: Sensitivity Map



Data Zoom 14-1