

Appendix A: Maps

Appendix A-1: Locality Maps

Appendix A – Locality Maps



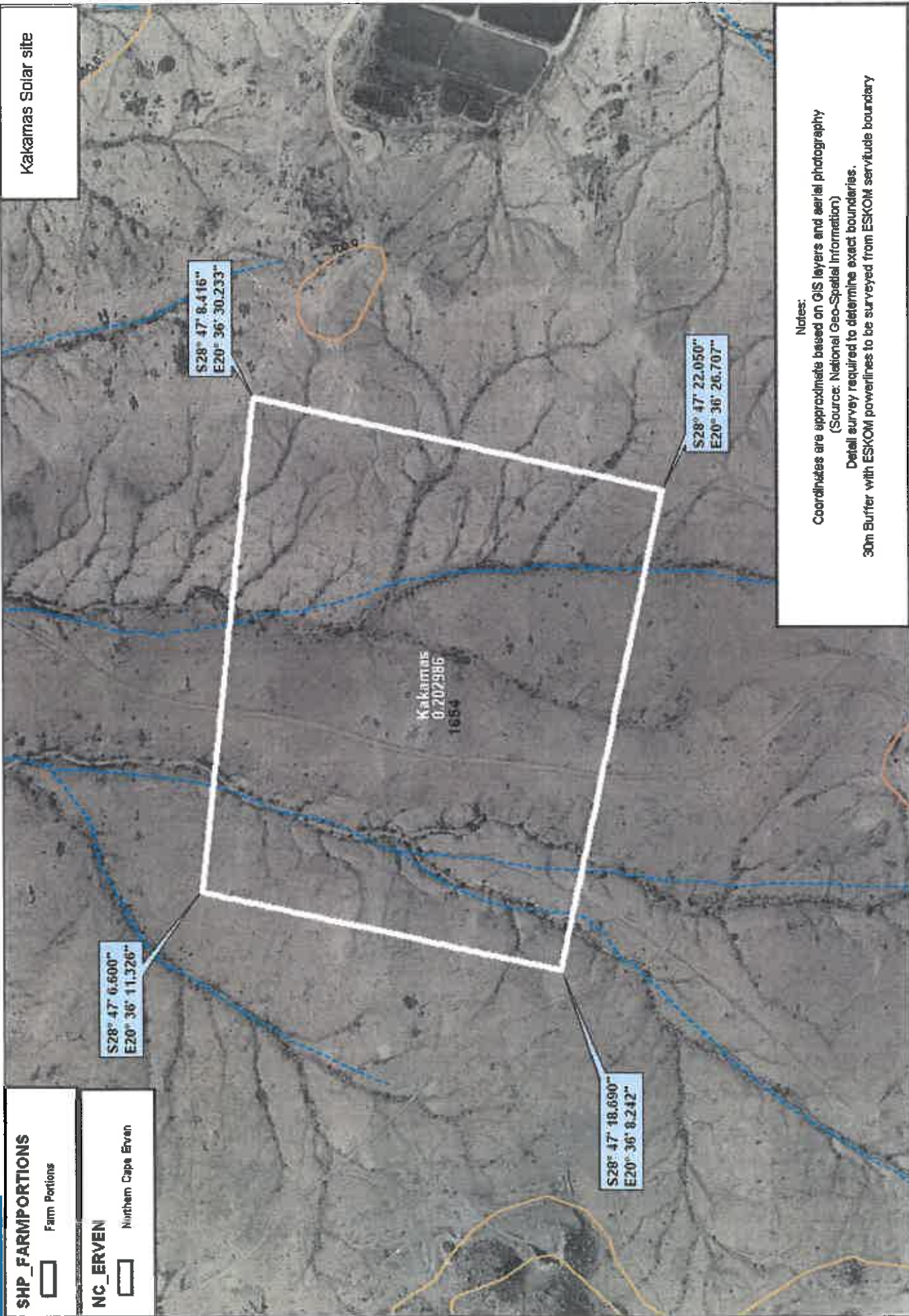
SHP_FARMPORTIONS

Farm Portions

NC_ERVEN

Northern Cape Erven

Kakamas Solar site



S28° 47' 0.600"
E20° 36' 11.326"

S28° 47' 8.416"
E20° 36' 30.233"

S28° 47' 18.690"
E20° 36' 0.242"

S28° 47' 22.050"
E20° 36' 26.707"

Notes:

Coordinates are approximate based on GIS layers and aerial photography
(Source: National Geo-Spatial Information)

Detail survey required to determine exact boundaries.

30m Buffer with ESKOM powerlines to be surveyed from ESKOM servitude boundary



MIN (20.1" W)



0 40 80 120 160 200 240 m

Data Zoom 15-0

Appendix A-2: 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 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96

PLANT SUMMARY

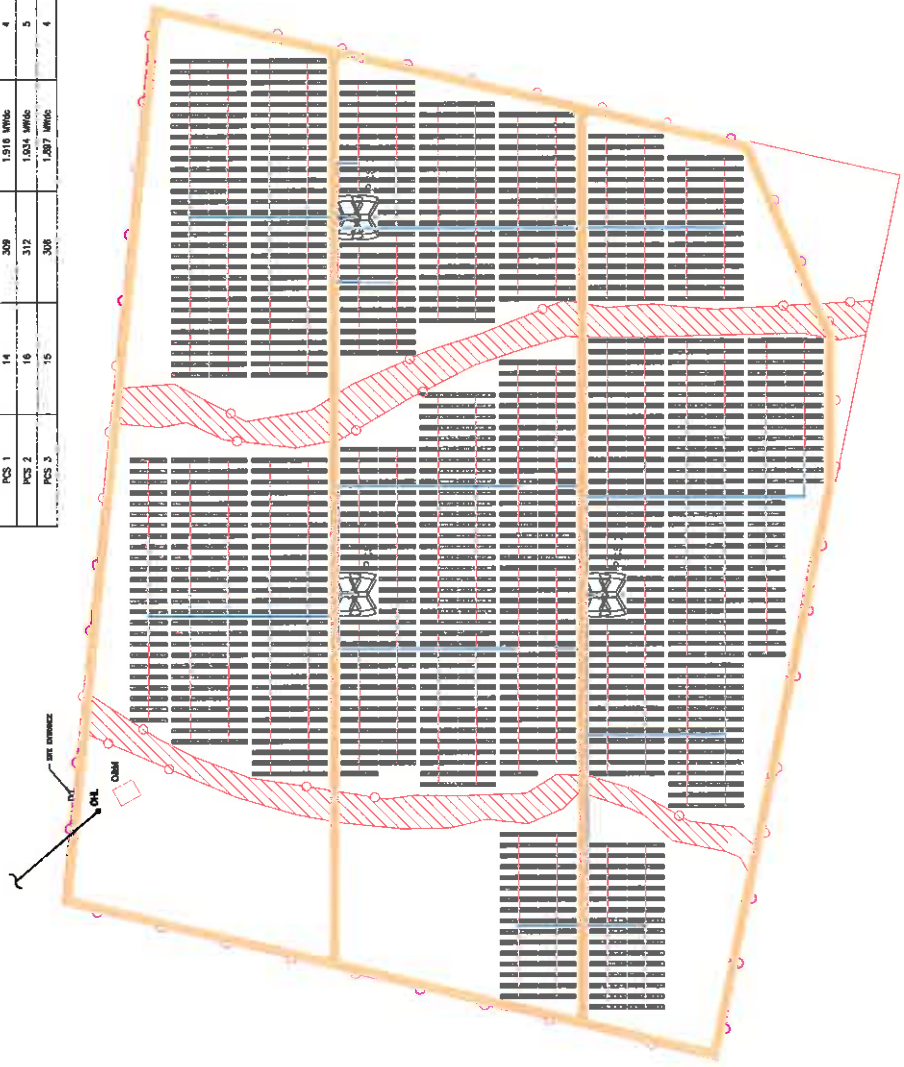
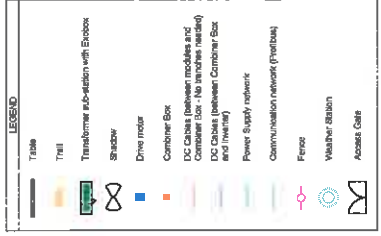
Name	Number of tables	Power plant capacity	North Orientation	East/West Pitch	Pitch between table	Table	Number of module per table	Module capacity	Capacity per table	Number of string per table
Extrac 1/2	927	5,747 MWdc	0.807	6.00 m	1 m, 3 m, 6 m	Ex-table	20	310.00 MW	5.20 MW	1

BLOCK SUMMARY

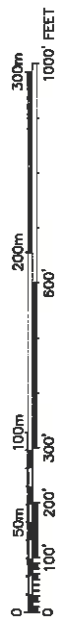
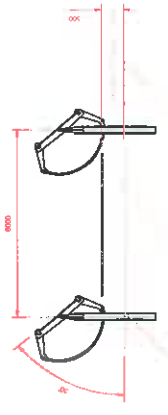
Power Conversion Station	Number of Extracrack HZ	Number of Tables	Power Capacity	Number of 24 Input SCB	Number of 16 Input SCB
PCS 1	14	309	1,918 MWdc	4	16
PCS 2	16	312	1,924 MWdc	5	14
PCS 3	15	308	1,903 MWdc	4	16

SUMMARY

Name	Total Length
DC String line Length	22,402 m
DC to inverter DC Cable line	3800 m
Major route length	1393 m
Minor Pathline	1918 m
OP Path Length	1458 m
SP Path Length	700 m
Road Length	2254 m
Drainage Length	1452 m
No. of 24 Input CB	12
No. of 16 Input CB	48
No. of Inverter Transformer Stations (Extracrack)	3
No. of Inverter Stations	2
No. of Extracrack IZ	45
DC Line Length	1920m



SPY	SPY	SPY	SPY
A	SPY 1/2/3/4/5	SPY 6/7/8/9	SPY 10/11/12
B	SPY 13/14/15	SPY 16/17/18	SPY 19/20/21
C	SPY 22/23/24	SPY 25/26/27	SPY 28/29/30
D	SPY 31/32/33	SPY 34/35/36	SPY 37/38/39
E	SPY 40/41/42	SPY 43/44/45	SPY 46/47/48



KEREN Energy Kelanabas (Pty) Ltd
2012Z059407
SITE LAYOUT

EXOSUS
SOUTH AFRICAN PROJECT DEVELOPMENT CONSULTANTS

Author	Reviewed	Checked	Drawn	Scale	Revision

Date	Project No.	Scale	Sheet
2012/05/07	2012Z059407	1:1000	01

Project Name: Keren Energy Kelanabas (Pty) Ltd
Project No.: 2012Z059407
Scale: 1:1000
Sheet: 01

Appendix A-3: Sensitivity Map

