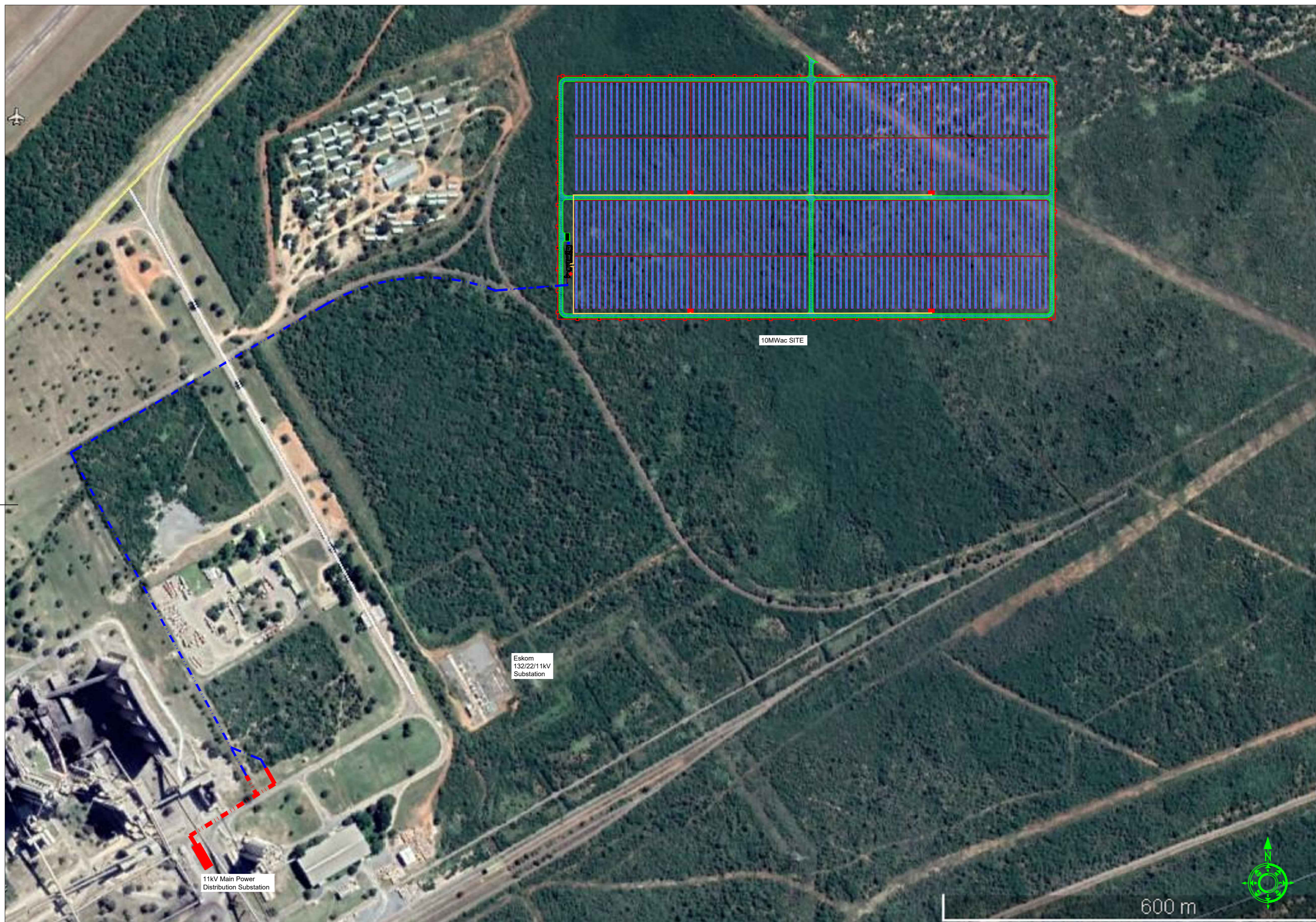


APPENDIX C - FACILITY ILLUSTRATIONS



10MWac SITE

Eskom
132/22/11kV
Substation

11kV Main Power
Distribution Substation

600 m

SCALE
1:4000

REVISION HISTORY			
REV	DATE	DESCRIPTION	SIGN
00	23/05/20	Issued For Information	
01	25/11/20	New PV Location	
02	01/02/21	New PV Arrangement	
03	01/07/21	11kV OHL Re-route	

LEGEND:	
	DWAALBOOM 10MWac SITE
	1200 MODULE (580Wp MODULE) TRACKER TABLE
	2.5MW INVERTER
	MEDIUM-VOLTAGE SUBSTATION WITH CONTROL BUILDING & 11kV SWITCHGEAR ROOM
	PLOT / PV PLANT BOUNDARY
	ROADWAY 5 METER WIDTH
	FACILITY METER
	11kV O/H LINE
	EXISTING ESKOM O/H LINE
	DC CABLE TRENCHES (PANELS TO INVERTERS)
	AC CABLE TRENCHES (INVERTERS TO SUBSTATION)
	METEOROLOGICAL STATION POINT

CLIENT

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CONSULTANT

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 50 Richmond Avenue, Auckland Park, JHB
 Tel: +27 60 521 8388
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 website: www.zpenenergy.co.za

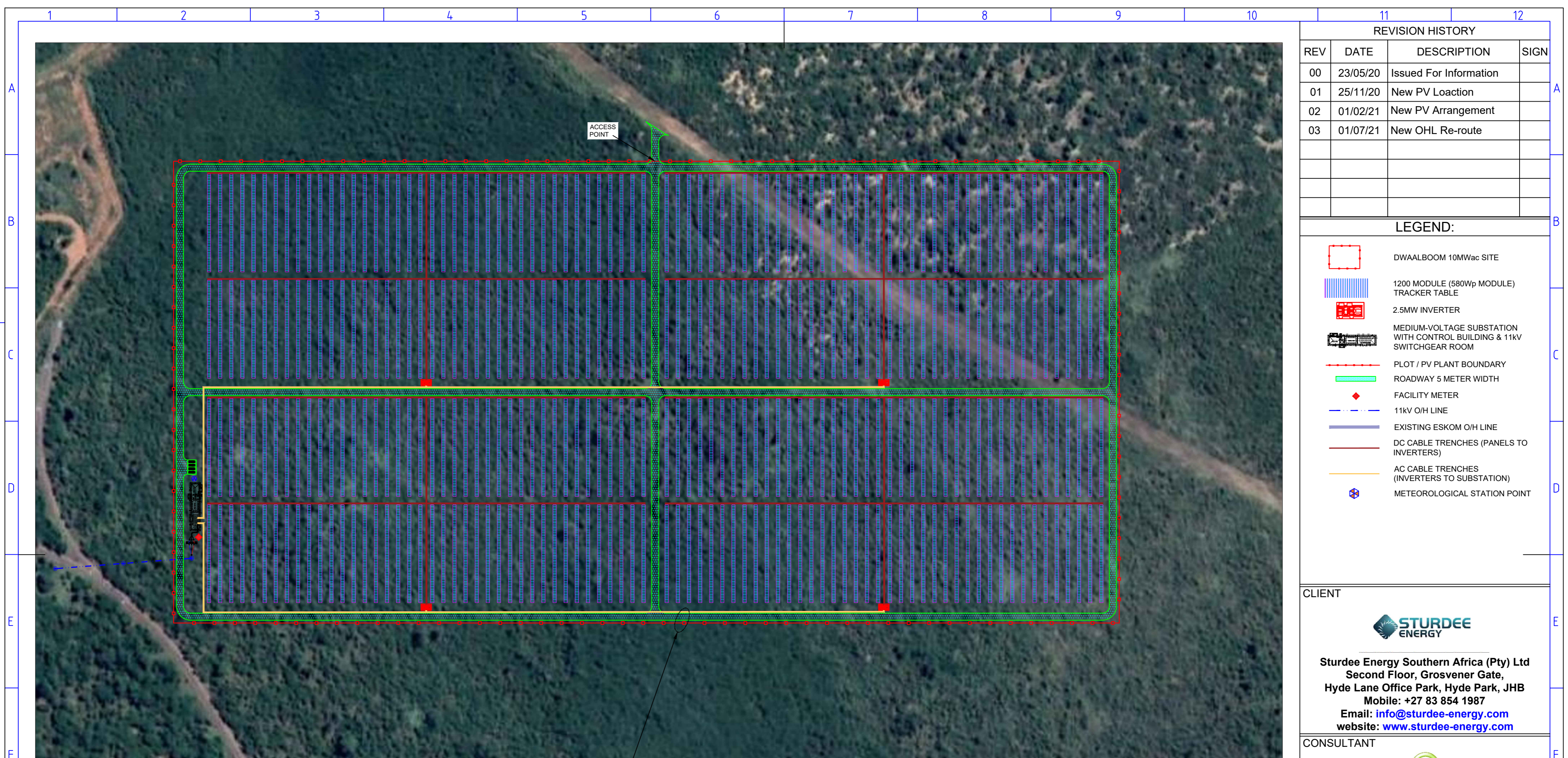
	NAME	DATE	SIGN
DRAWN	V. Sebege	23/05/20	
REVIEWED	M.T Khan	23/05/20	
APPROVED	M.T Khan	23/05/20	

DRAWING TITLE:
Site and O/H Line Layout

PROJECT NAME:
Site 10: Dwaalboom Slurry 10MWac Solar PV Plant

Sheet	Drawing No	Rev
01	SITE 10-EL-02	03

SCALE:	UNITS:	PAPER SIZE
1:4000	m	A2



REVISION HISTORY			
REV	DATE	DESCRIPTION	SIGN
00	23/05/20	Issued For Information	
01	25/11/20	New PV Location	
02	01/02/21	New PV Arrangement	
03	01/07/21	New OHL Re-route	

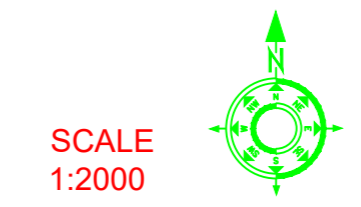
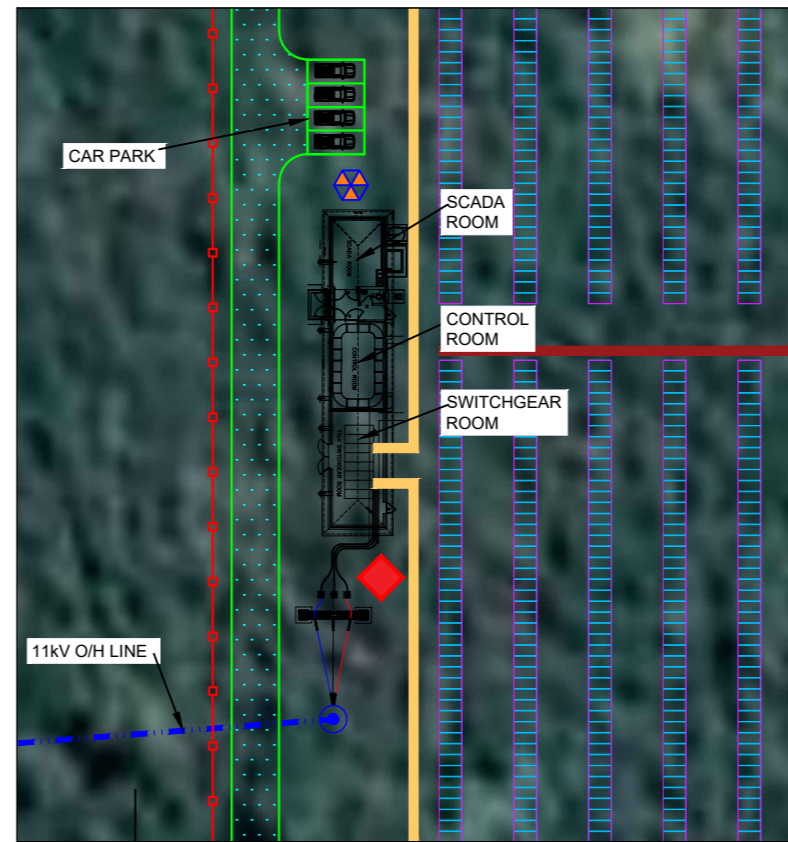
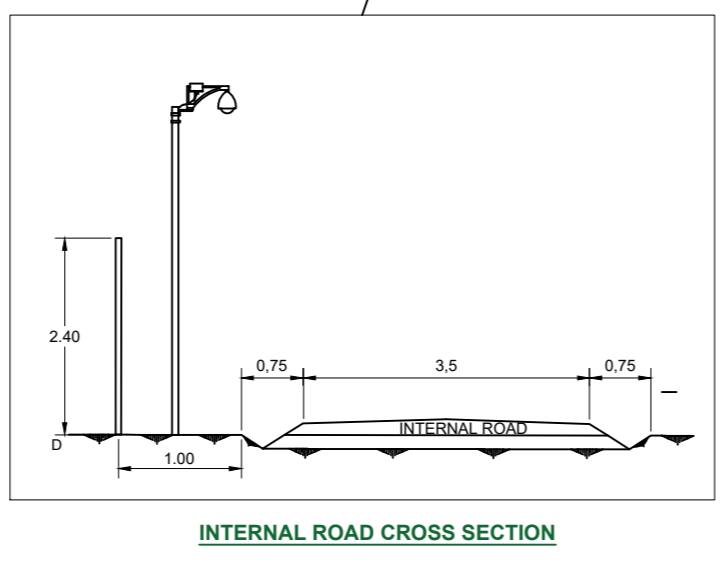
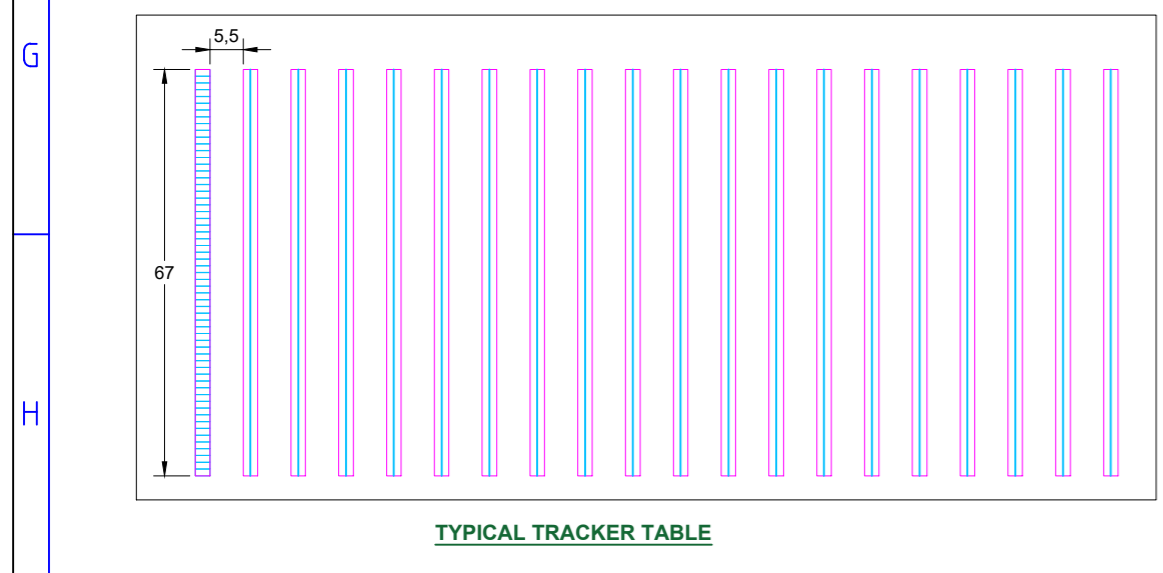
LEGEND:	
	DWAALBOOM 10MWac SITE
	1200 MODULE (580Wp MODULE) TRACKER TABLE
	2.5MW INVERTER
	MEDIUM-VOLTAGE SUBSTATION WITH CONTROL BUILDING & 11kV SWITCHGEAR ROOM
	PLOT / PV PLANT BOUNDARY
	ROADWAY 5 METER WIDTH
	FACILITY METER
	11kV O/H LINE
	EXISTING ESKOM O/H LINE
	DC CABLE TRENCHES (PANELS TO INVERTERS)
	AC CABLE TRENCHES (INVERTERS TO SUBSTATION)
	METEOROLOGICAL STATION POINT

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 website: www.zpenenergy.co.za



- NOTES:**
- TRACKER CAPACITY : 696 kWp
 - AREA WITHIN BOUNDARY ROAD : 20.15 Ha
 - TOTAL ROAD AREA : 1.49 Ha
 - NO OF HECTARES PER MWp DC : 1.81 Ha/MWp
 - NO OF 580Wp MODULES : 19 200
 - NO OF STRINGS : 960
 - TOTAL NO OF 2.5MW INVERTERS : 4
 - NO OF MODULES PER STRINGS : 20
 - TOTAL NO. OF TRACKERS : 16
 - PLANT DC CAPACITY : 11.13 MWdc
 - PLANT AC CAPACITY : 10 MWac
 - OVERALL BOUNDARY LENGTH : 2000 m

	NAME	DATE	SIGN
DRAWN	V. Sebege	23/05/20	
REVIEWED	M.T Khan	23/05/20	
APPROVED	M.T Khan	23/05/20	

DRAWING TITLE:
 Plant General Arrangement

PROJECT NAME:
 Site 10: Dwaalboom 10MWac Solar PV Plant

Sheet	Drawing No	Rev
01	SITE 10-EL-01	03
SCALE:	UNITS:	PAPER SIZE
1:2000	m	A2