

# Majuba Solar Energy Facility

Environmental sensitivity and layout map

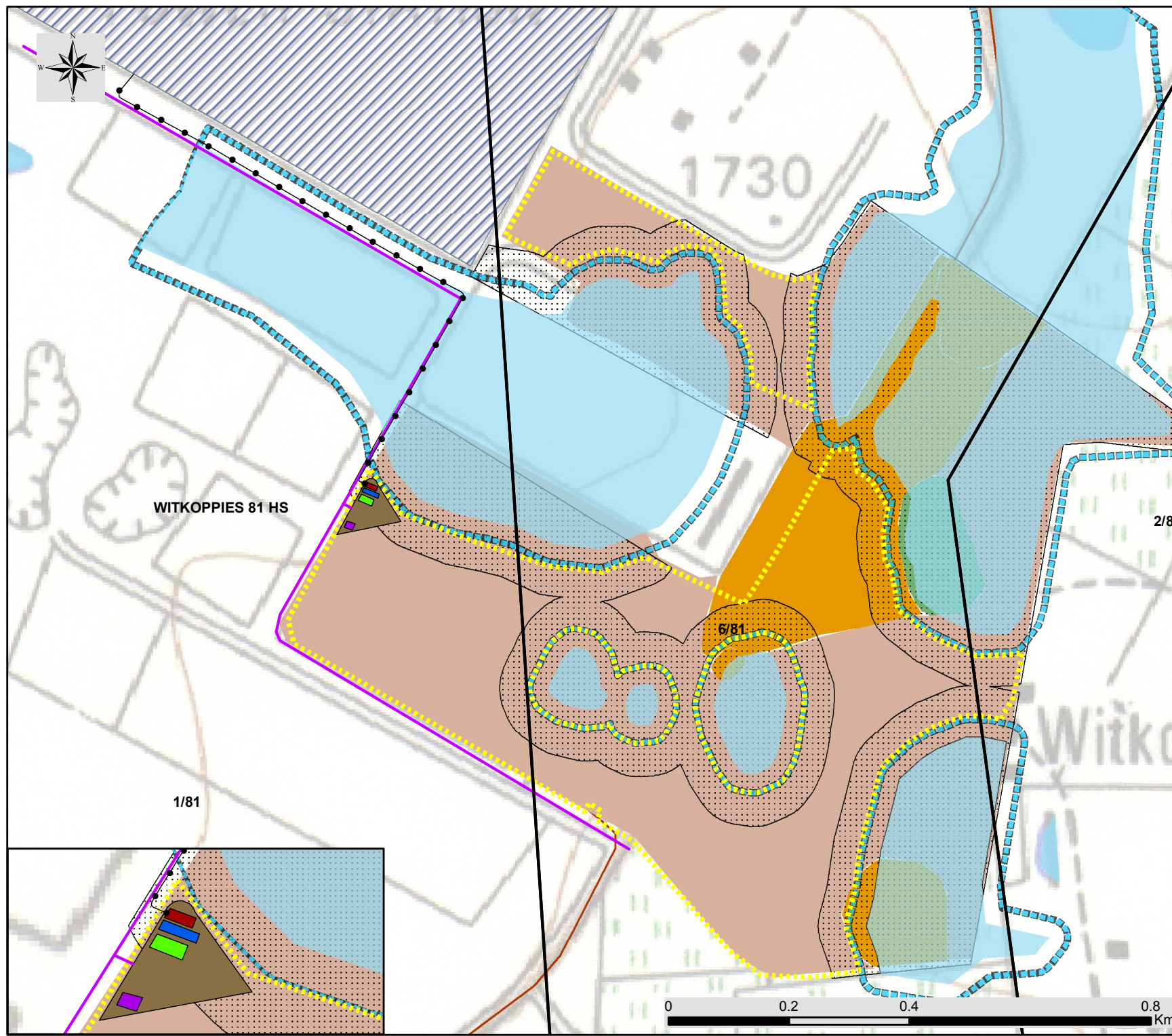
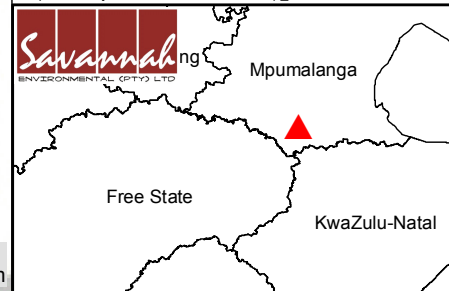
## Legend

- Secondary road
- Majuba power station
- Affected farm portions
- Site Access Route
- 11kV/132kV Power Line
- Laydown Construction Area
- O&M Building
- Proposed Parking Area
- Proposed Connection Point
- Proposed PV Plant Substation
- PV Site

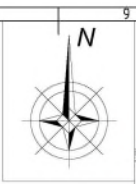
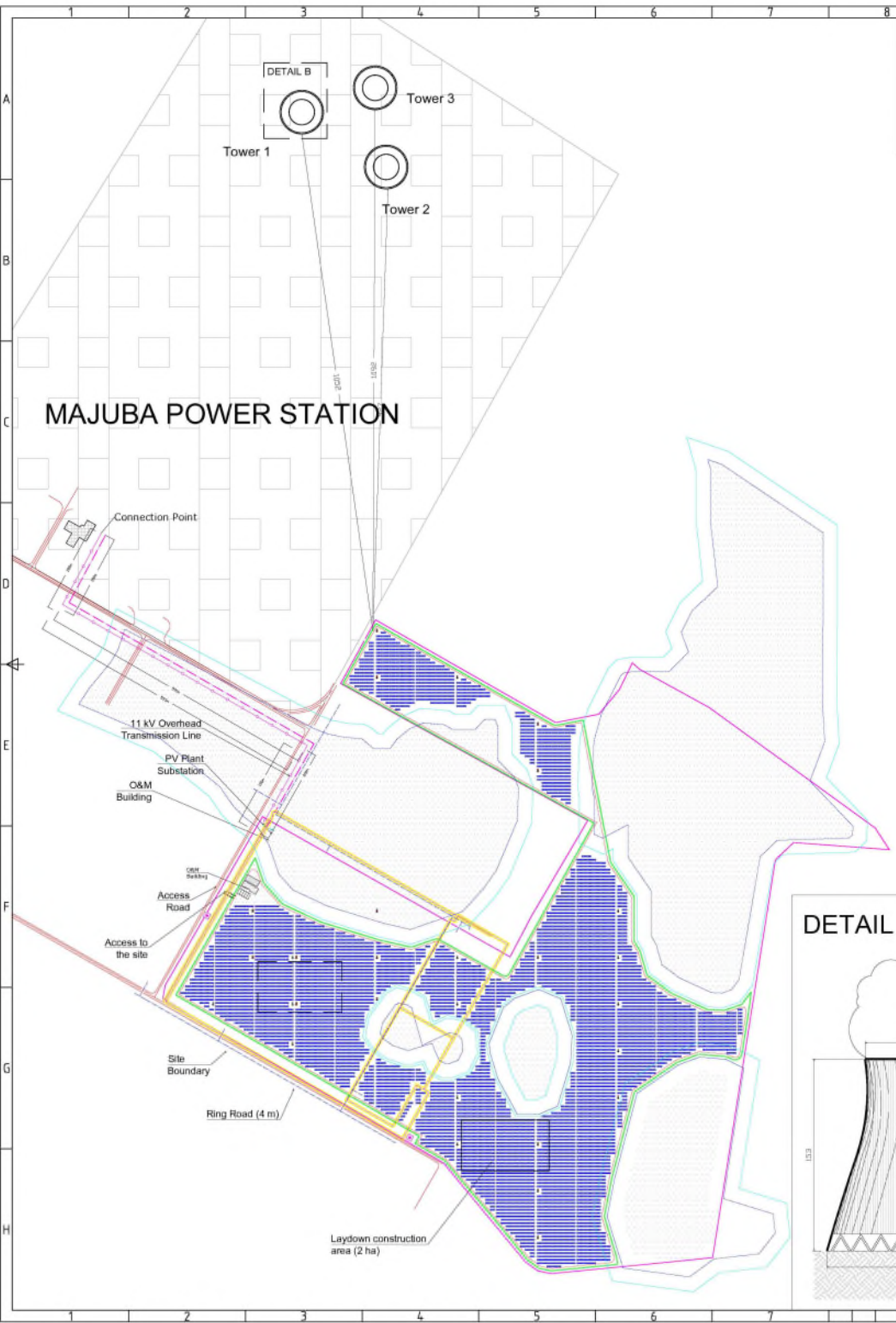
## Environmental Sensitivities:

- Wetland (No-go area)
- Wetland Buffer (30m\_No-go area)
- Eucalyptus-Pennisetum depression (Medium Ecological Sensitivity)
- Themeda-Helichrysum pilosellum Grassland (Medium Ecological Sensitivity)
- Semi-natural Grassland (Low Ecological Sensitivity)
- Medium Avifaunal Sensitivity

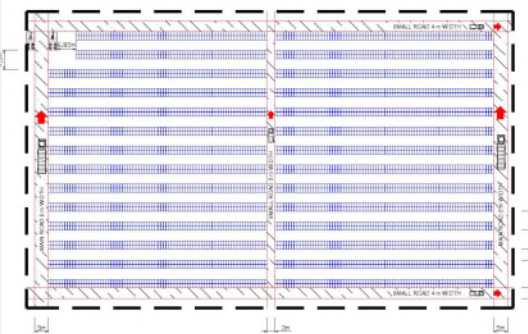
Scale: 1:8 500  
Projection: LO29  
Map Ref.: Majuba PV SEF - Env sens map\_16.03.16







**DETAIL - A**



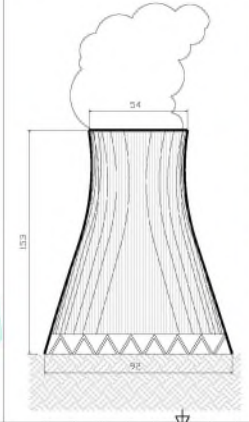
No. of modules per MVA: 4,400  
Power Peak: 1,000 kWp

**LEGEND**

- PV ROW
- MV CABIN
- SINGLE TIER FENCE
- EXISTING SUBSTATION
- Site boundary
- BURIED PIPES 100/300/500 mm
- BURIED CABLES
- 11 kV OVERHEAD TRANSMISSION LINE
- 88 kV PROPOSED OVERHEAD LINE FOR FUTURE EXPANSION
- 11 kV UNDERGROUND CABLE
- INTERNALISING ROADS 3.5 M WIDTH
- ACCESS ROAD TO POWER STATION
- PV PLANT SUBSTATION (19 x 32 m)
- O&M BUILDING (35 x 13 m)
- PARKING AREA
- LAYDOWN CONSTRUCTION AREA
- COOLING TOWERS 1-3
- WETLAND BUFFER 30 m
- WETLAND BOUDARY
- WETLAND



**DETAIL - B**



**Majuba PV Plant information**

Foot print area	96.9 ha
Indicative capacity	Up to 30 MW

**Site Corners Coordinates (WG 29)**

Cn. Nr.	Y(m)	X(m)
1	76574.8930	-2999400.0250
2	77013.1220	-2999579.0280
3	77119.2690	-2999493.2510
4	77672.309	-2999981.657
5	77424.472	-2999883.884
6	77285.975	-3000724.89
7	76973.555	-3000783.13
8	76721.544	-3000564.377
9	76160.054	-3000227.712
10	76338.498	-2999880.841
11	76881.711	-3000175.516
12	77049.158	-2999829.3610
13	76510.102	-2999534.0470

REV	NAME	DATE	NOTE
01			
02			

**ESKOM HOLDING LIMITED**  
**GROUP TECHNOLOGY**  
**ESKOM ENTERPRISES PARK**

PREPARED	Ciro Raposo	20/03/2015
DRAWN	Ciro Raposo	01/10/2015
CHECKED	Nabi Thakur	01/10/2015
ACCEPTED		
SHEET SIZE	DIN A1	
SUPPERSEDED BY DRWG. NO.		
CAD FILE	SCALE	

**Majuba PV Plant Indicative Layout**

Production mark 009 34 - 1 - E  
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