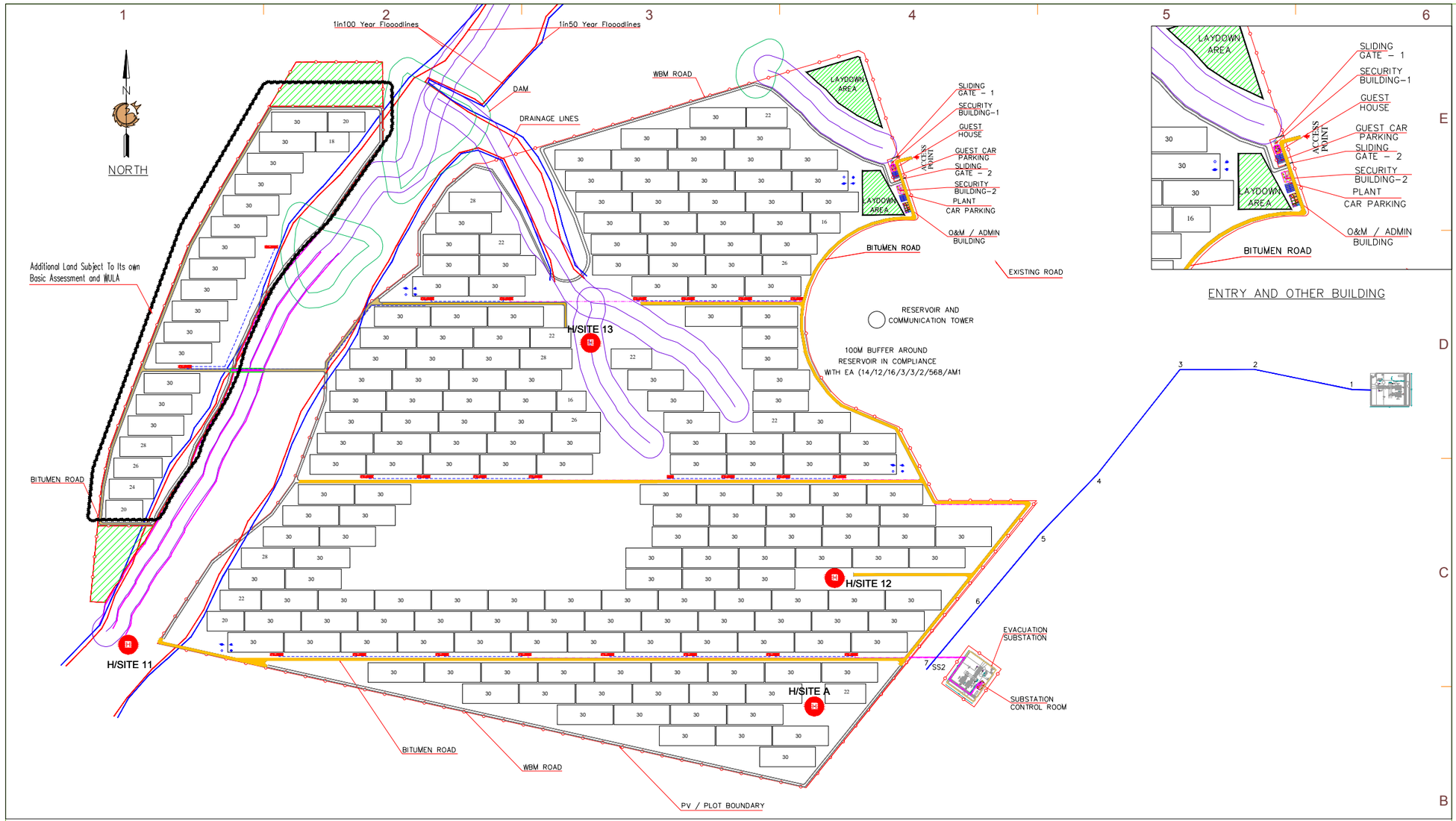


NOTES :

1. ALL DIMENSIONS ARE IN METER.
2. TRACKER CAPACITY : 378.00kW
3. TOTAL PV BOUNDARY AREA : 178.88 HA
4. ROAD AREA : 2.81 HA
5. Nos. OF ACRE PER MWp : 2.07 HA
6. NO OF 315Wp MODULES : 253760
7. NO OF STRINGS : 12688
8. TOTAL NO OF 1071kW INVERTERS : 71
9. NO OF MODULES PER STRINGS : 20
10. TOTAL NO OF TRACKER : 217 NOS.
    - a) No. OF 30 ROW TRACKER : 196 NOS
    - b) No. OF 28 ROW TRACKER : 04 NOS
    - c) No. OF 26 ROW TRACKER : 03 NOS
    - d) No. OF 24 ROW TRACKER : 01 NOS
    - e) No. OF 22 ROW TRACKER : 07 NOS
    - f) No. OF 20 ROW TRACKER : 03 NOS
    - i) No. OF 18 ROW TRACKER : 01 NOS
    - j) No. OF 16 ROW TRACKER : 02 NOS
11. PLANT SIZE
    - a) DC CAPACITY : 80.11 MWp
    - b) AC CAPACITY : 69.66 MW
12. OVERALL ROAD LENGTH : 22858.58 Meter
    - a) BITUMEN ROAD : 13471.58 Meter
    - b) WBM ROAD : 9386.99 Meter
13. OVERALL BOUNDARY LENGTH : 12624.92 Meter

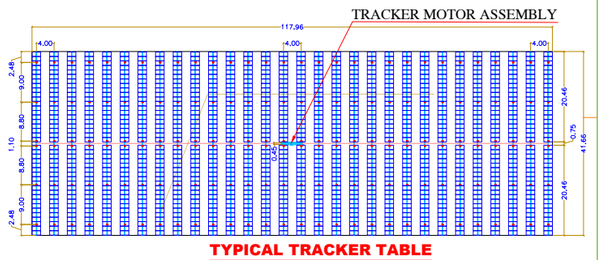
LEGEND: –

- ZEERUST
- INVERTER CONTAINER (3X1071kW INVERTER) – 23 Nos
- INVERTER CONTAINER (2X1071kW INVERTER) – 01 No
- HIGH–VOLTAGE SUBSTATION WITH CONTROL BUILDING & 2NOS 50/63/75MVA 33/132kV POWER TRANSFORMERS
- PLOT / PV PLANT BOUNDARY
- INVERTER LOOP CABLE
- INVERTER TO SS CABLE
- BITUMEN ROAD (4.5mtrs width)
- WBM ROAD (4.5mtr width)
- ADDITIONAL LAND AREA
- CULVERT
- HERITAGE SITE
- – FACILITY METER
- – SYSTEM METER
- – AMBIENT TEMPERATURE SENSOR
- – MODULE TEMPERATURE SENSOR
- – PYRANOMETER (2 Nos.)
- – ANEMOMETER

I. OWNERSHIP AND OPERATIONAL BOUNDARIES :–		
A	PLANT EQUIPMENT / MACHINERY	BY PROJECT DEVELOPER
B	TRANSMISSION LINE	ACCORDING TO ESKOM'S SELF BUILT SCHEME
C	INTERCONNECTION INFRASTRUCTURE AT SUBSTATION	ACCORDING TO ESKOM'S SELF BUILT SCHEME
II. DELIVERY POINT :–		AT 88kV SUBSTATION LOCATED AT PROJECT FACILITY
III. POINT OF CONNECTION :–		
A	POWER EVACUATION VOLTAGE	88 kV
B	INTERCONNECTING SUBSTATION NAME	132kV/88kV ZEEREST SUBSTATION
C	LENGTH BETWEEN PLANT AND SUBSTATION	3000m

NOTES :

1. FOUNDATION FOOTPRINT TO BE RESTRICTED TO THE PV PANEL AREA.
2. ALL AREAS OUTSIDE FOOTPRINT CONSIDERED NO GO AREA.
3. NO GO AREA NEXT TO EACH OF THE HERITAGE SITES AND THE DRAINAGE LINES.
4. CABLING WILL BE EMBED IN THE CULVERT WITH PVC OR SIMILAR.



TYPICAL TRACKER TABLE

ISSUED FOR INFORMATION

DRAWING ISSUED STATUS	ELECTRICAL	CIVIL & STRUCTURE
A - ISSUED FOR INFORMATION	✓	
B - ISSUED FOR APPROVAL		
C - ISSUED FOR CONSTRUCTION		
D - AS BUILT		

Sun Edison
SUNEDISON CONSTRUCTION 1 (PTY) LTD.
28 STURDEE AVENUE
2ND FLOOR, GLOBAL HOUSE
ROSEBANK, JOHANNESBURG
OFFICE PHONE: 010 595 3333

PROJECT: RE CAPITAL 2 (PTY) LTD. ZEERUST

CAPACITY : 75MW SOLAR GRID CONNECTED PV PLANT PROJECT NO : ZA-14-0046

DRAWING NUMBER: T.200

SHEET TITLE: GENERAL SITE PLAN

STAMP: ORIGINAL SIZE "841 X 594" SHEET SIZE "A-1"

A4 A3 A2 A1 A0

DATE:	14.03.2016
DRAWN BY:	D.A
ENGINEER:	P.G
APPROVED BY:	R.S

NO.	REVISION	DATE	INIT.
A1	ISSUED FOR INFORMATION	14.03.2016	D.A P.G R.S

PROJECT PHASE: FOR INFORMATION

SCALE: 1 : 4000

SHEET NO.: SHEET 1 OF 2

Printed : **********