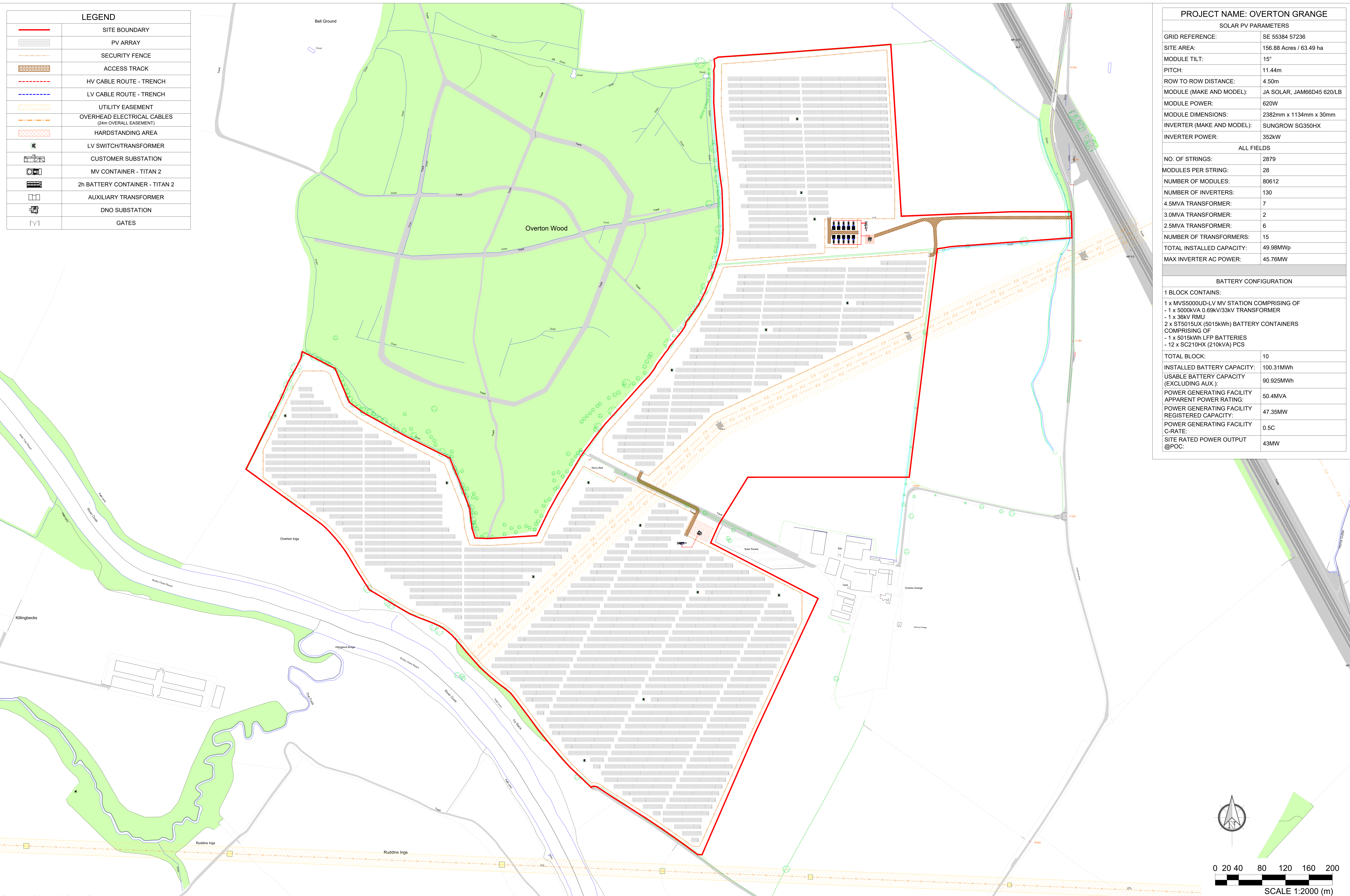
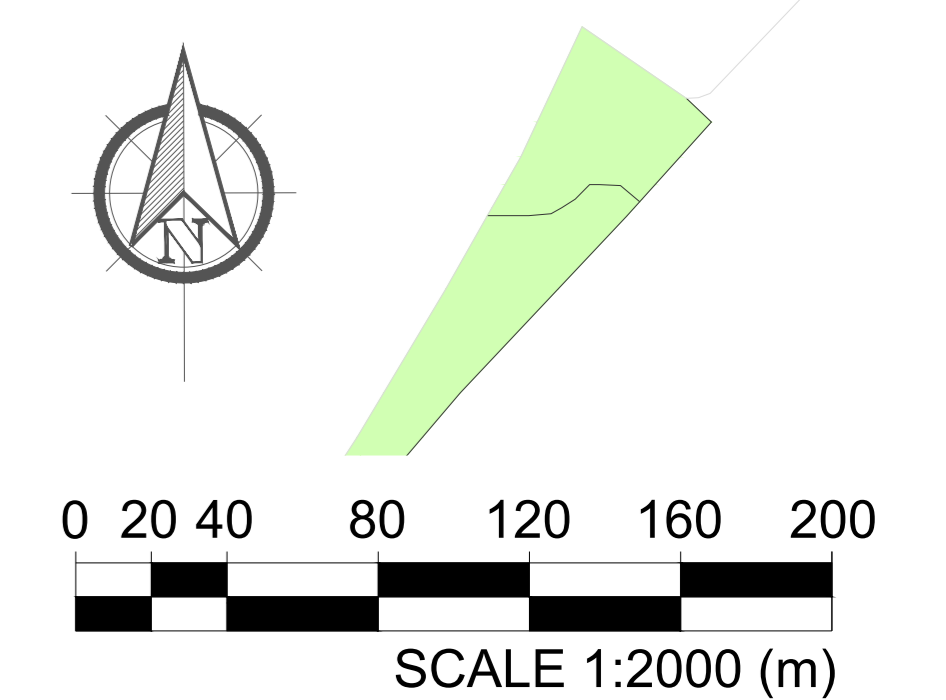


LEGEND	
	SITE BOUNDARY
	PV ARRAY
	SECURITY FENCE
	ACCESS TRACK
	HV CABLE ROUTE - TRENCH
	LV CABLE ROUTE - TRENCH
	UTILITY EASEMENT
	OVERHEAD ELECTRICAL CABLES (24m OVERALL EASEMENT)
	HARDSTANDING AREA
	LV SWITCH/TRANSFORMER
	CUSTOMER SUBSTATION
	1Mv CONTAINER - TITAN 2
	2h BATTERY CONTAINER - TITAN 2
	AUXILIARY TRANSFORMER
	DNO SUBSTATION
	GATES



PROJECT NAME: OVERTON GRANGE	
SOLAR PV PARAMETERS	
GRID REFERENCE:	SE 55384 57236
SITE AREA:	156.88 Acres / 63.49 ha
MODULE TILT:	15°
PITCH:	11.44m
ROW TO ROW DISTANCE:	4.50m
MODULE (MAKE AND MODEL):	JA SOLAR, JAM66D45 620/LB
MODULE POWER:	620W
MODULE DIMENSIONS:	2382mm x 1134mm x 30mm
INVERTER (MAKE AND MODEL):	SUNGROW SG350HX
INVERTER POWER:	352kW
ALL FIELDS	
NO. OF STRINGS:	2879
MODULES PER STRING:	28
NUMBER OF MODULES:	80612
NUMBER OF INVERTERS:	130
4.5MVA TRANSFORMER:	7
3.0MVA TRANSFORMER:	2
2.5MVA TRANSFORMER:	6
NUMBER OF TRANSFORMERS:	15
TOTAL INSTALLED CAPACITY:	49.98MWp
MAX INVERTER AC POWER:	45.76MW
BATTERY CONFIGURATION	
1 BLOCK CONTAINS:	
1 x MVS5000UD-LV MV STATION COMPRISING OF	
- 1 x 5000kVA 0.69kV/33kV TRANSFORMER	
- 1 x 36kV RMU	
2 x ST5015UX (5015kWh) BATTERY CONTAINERS	
COMPRISING OF	
- 1 x 5015kWh LFP BATTERIES	
- 12 x SC210HX (210kVA) PCS	
TOTAL BLOCK:	10
INSTALLED BATTERY CAPACITY:	100.31MWh
USABLE BATTERY CAPACITY (EXCLUDING AUX.):	90.925MWh
POWER GENERATING FACILITY APPARENT POWER RATING:	50.4MVA
POWER GENERATING FACILITY REGISTERED CAPACITY:	47.35MW
POWER GENERATING FACILITY C-RATE:	0.5C
SITE RATED POWER OUTPUT @POC:	43MW



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REVISION	DESCRIPTION	REVISED BY	DATE	DRAWN BY
A	Issued for comment	GM	18/07/2024	GM
B	Issued for comment	GM	06/07/2024	GM
C	Additional parcel added to the North/West	GM	01/06/2024	GM
D	Additional parcels added	GM	27/08/2024	GM
E	Additional parcel added, transmission site removed	GM	04/09/2024	GM
F	Redesignated	MS	12/09/2024	MS
G	Minor Amendments	MS	27/09/2024	MS
H	Redline amendment and logo added	MS	23/10/2024	MS
J	Redline amendment and panels relocated	MS	13/11/2024	MS
K	Redline amendment to match Option Plan	MS	20/11/2024	MS
L	Flood Zone areas added and BESS moved	GM	11/02/2025	GM

INSTALLER DETAILS: Anesco Ltd, The Green, Easter Park, Benvon Road, Reading, RG7 2PQ Tel: 0845 894 4444	NOTES: 1. ALL DIMENSIONS ARE IN METRES(m) UNLESS OTHERWISE STATED. 2. TOTAL SECURITY FENCE LENGTH = 5590m. 3. 33kV EQUIPMENT CONFIGURATIONS AND SPECIFICATIONS TO BE CONFIRMED PRIOR TO THE COMMENCEMENT OF THE WORKS. 4. NON-CONTESTABLE WORKS AND CONTESTABLE WORKS TO BE SPECIFIED AND COMPLETED BY THE DISTRIBUTION NETWORK OPERATOR (DNO) OR THEIR ACCREDITED AGENTS (ICPS) AND BY THE INDEPENDENT CONNECTION PROVIDER (ICP) OR INDEPENDENT DISTRIBUTION NETWORK OPERATOR (IDNO) RESPECTIVELY. 5. 12m FIELD BOUNDARY CLEARANCE IN THE NORTH AND WEST SECTION OF THE NORTHERN FIELD AND IN THE SOUTH FIELD. 6. ADDITIONAL RISK ASSESSMENTS NEED TO BE UNDERTAKEN FOR THE COMBINATION OF TECHNOLOGIES AT THIS SITE AND THE POTENTIAL PROPAGATION OF HAZARDS.	INSTALLATION ADDRESS: OVERTON ROAD, OVERTON, NORTH YORKSHIRE, ENGLAND, YO30 1YN, UNITED KINGDOM	PROJECT NAME: OVERTON GRANGE	DRAWING TITLE: SITE LAYOUT - OPTION 2	DRAWING NO.: C0002463_01	REV: L	
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Not For Construction