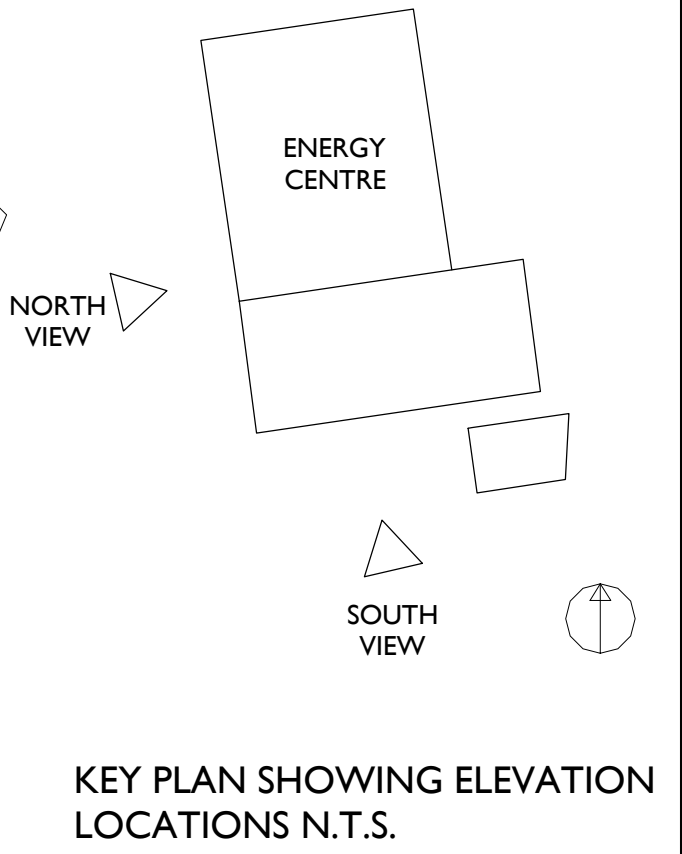
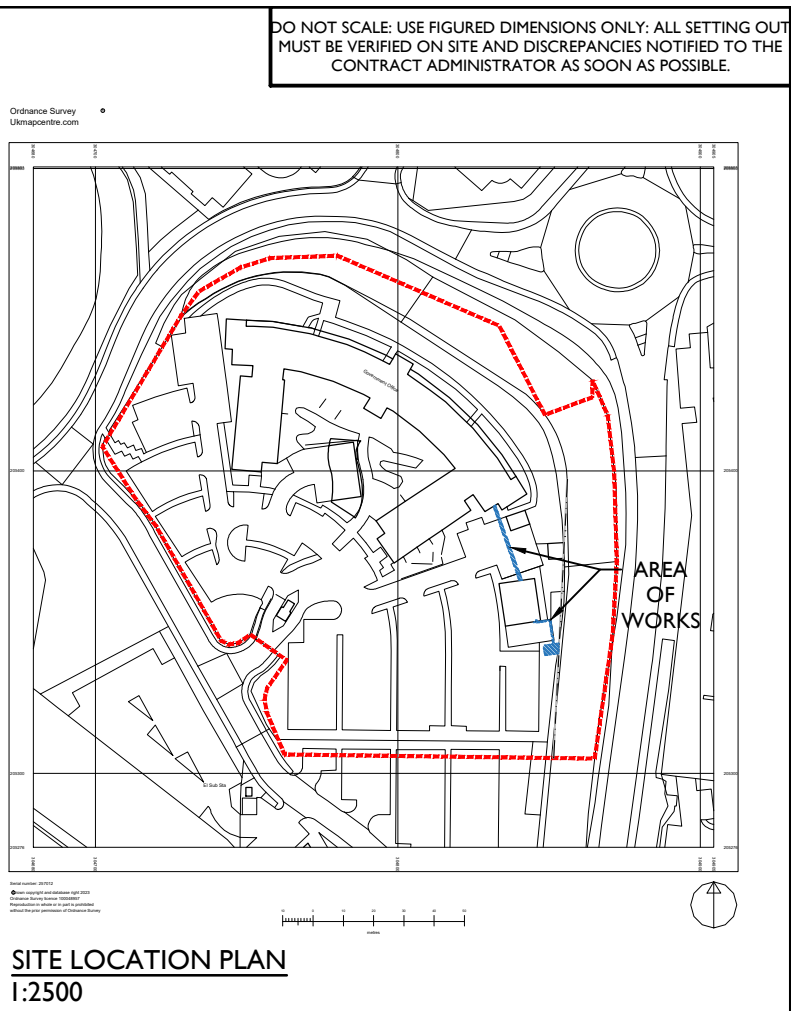
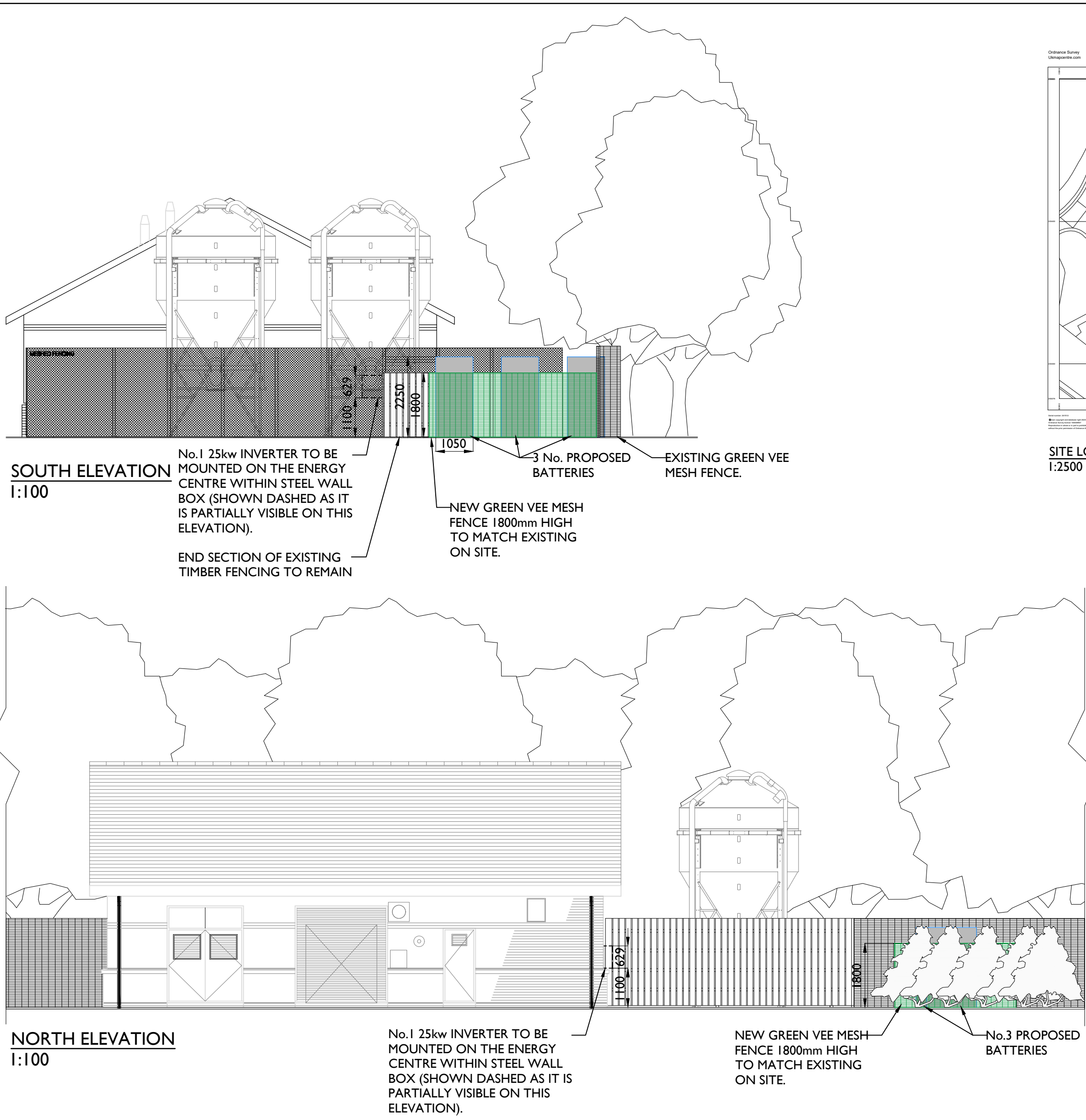
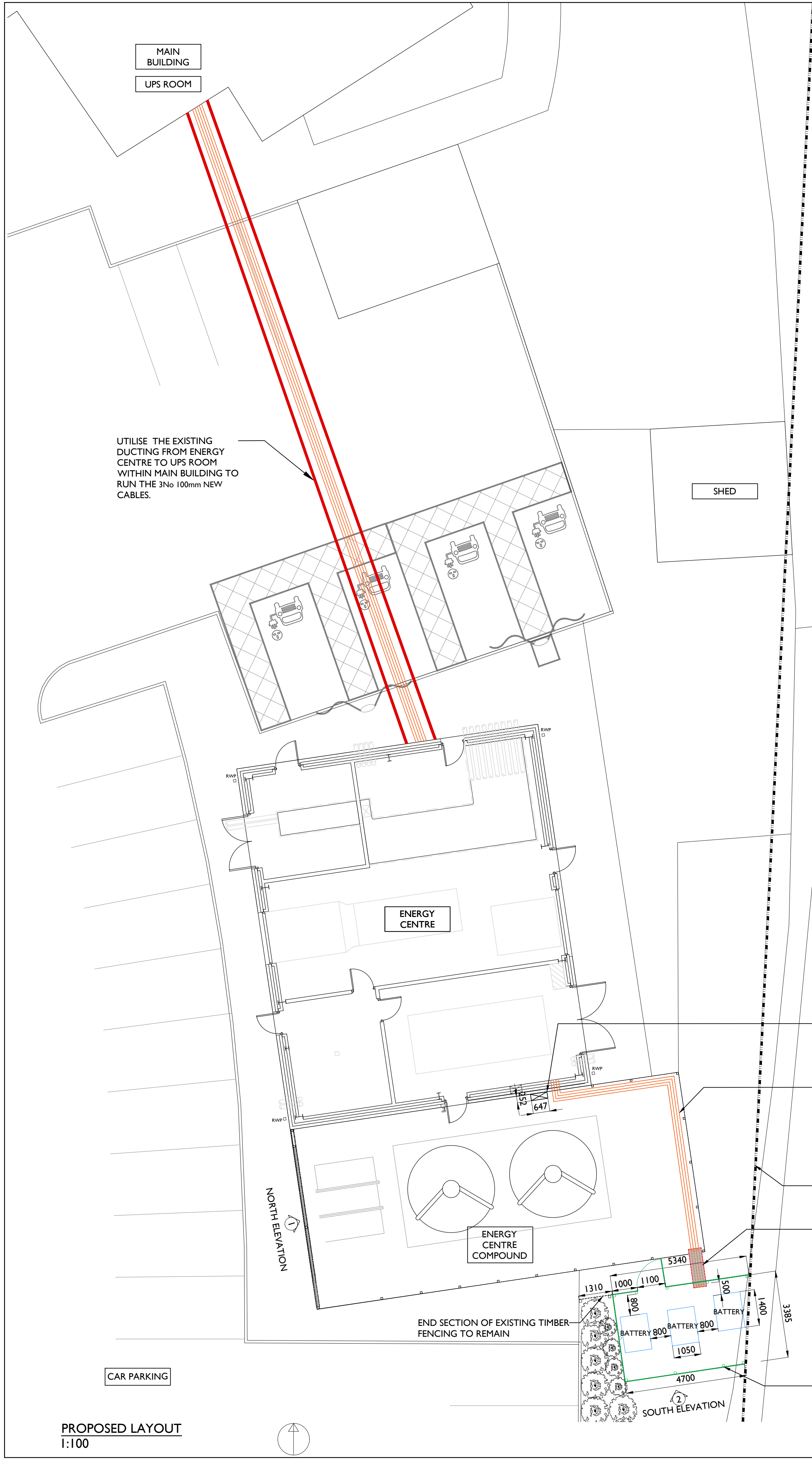




ESA 125kW/261kWh, LIQUID COOLED ESS BATTERY DETAILS

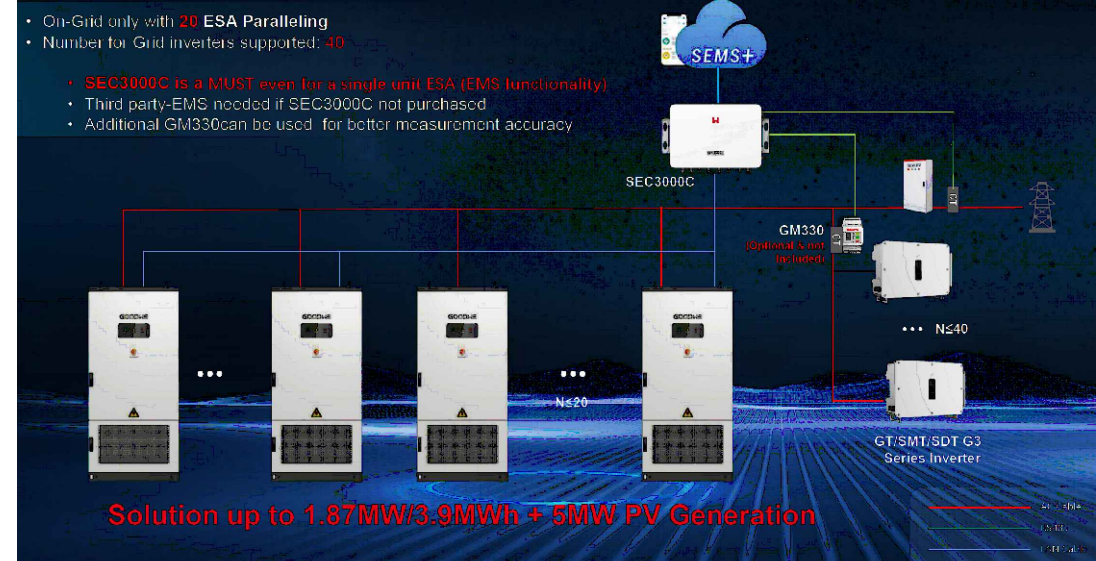


PROPOSED WELSH BATTERIES NOTES FROM SUPPLIER/INSTALLER:

THE SYSTEM CONSISTS OF No.3 BATTERIES (1050W x 2250H x 1400mm D, WEIGHT 2580Kg) TO BE INSTALLED ON THE EXISTING IN SCREED COMPOUND NEAR THE ENERGY CENTRE BUILDING, AS SHOWN. EXACT POSITION TO BE AGREED ON SITE.

ELECTRICAL DATA:

POWER: 125kW | CAPACITY: 261kWh
GRID CONNECTION: 400V AC OUTPUT
PEAK SYSTEM EFFICIENCY: 92%
OVERLOAD CAPABILITY: 1.1x CONTINUOUS; 1.2x @1MIN
100% UNBALANCE BETWEEN PHASES
DERATING: >45°C
MULTI-COMMUNICATION INTERFACES SUPPORTING REMOTE FIRMWARE UPGRADES
POWER: AIR-COOLED
POWER: LIQUID-COOLED
PACKS & RACK: STANDARD AEROSOL FIRE SUPPRESSION
PRE-INSTALLED WATER-BASED FIREFIGHTING INTERFACES
MODULAR ARCHITECTURE FOR FLEXIBLE CAPACITY EXPANSION
AND SIMPLIFIED MAINTENANCE OPERATIONS
WIDE OPERATING TEMPERATURE RANGE: -25~+55
HIGH ENERGY DENSITY: 177.6 kWh/m²
EMC CLASS B
UL9540A. CERTIFIED

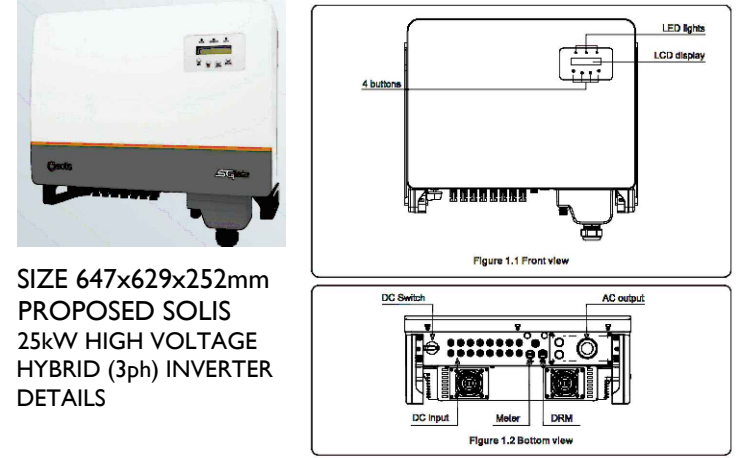


ONGRID - ESS SOLUTION ESA + GRID TIED INVERTERS



NEW GREEN VEE MESH FENCE TO BE INSTALLED TO MATCH THE EXISTING DESIGN AND COLOUR SHOWN IN THE IMAGE ABOVE.

PROPOSED No.1 SOLIS 25kW HIGH VOLTAGE HYBRID (3ph) INVERTER DETAILS



SIZE 647x629x252mm
PROPOSED SOLIS 25kW HIGH VOLTAGE HYBRID (3ph) INVERTER DETAILS

CLIENT NAME
WELSH GOVERNMENT

PROJECT NAME
INSTALLATION OF BATTERY BACKUP (2026-27) AT RHYD Y CAR, MERTHYR TYDFIL, CF481UZ

DRAWING TITLE
PROPOSED LOCATION FOR DUCTING AND BATTERY EQUIPMENT

DRAWN BY	CHECKED BY	APPROVED BY	DATE	SCALE @ A1
GQ	JH	KB	JUNE 2026	AS SHOWN

DRAWING STATUS

PLANNING

Technical Facilities Management
Caron House, 3 Oak Tree Court, Mulberry Drive, Cardiff Gate Business Park, Cardiff, CF23 8RS.
Tel: (029) 2073 6900 | Fax: (029) 2073 9255 | www.mitie.com

PROJECT No.	DRAWING No.	REV
WG1323	AL03	

M:\PROJECTS\WG\WG1323\CAD\ARCH