

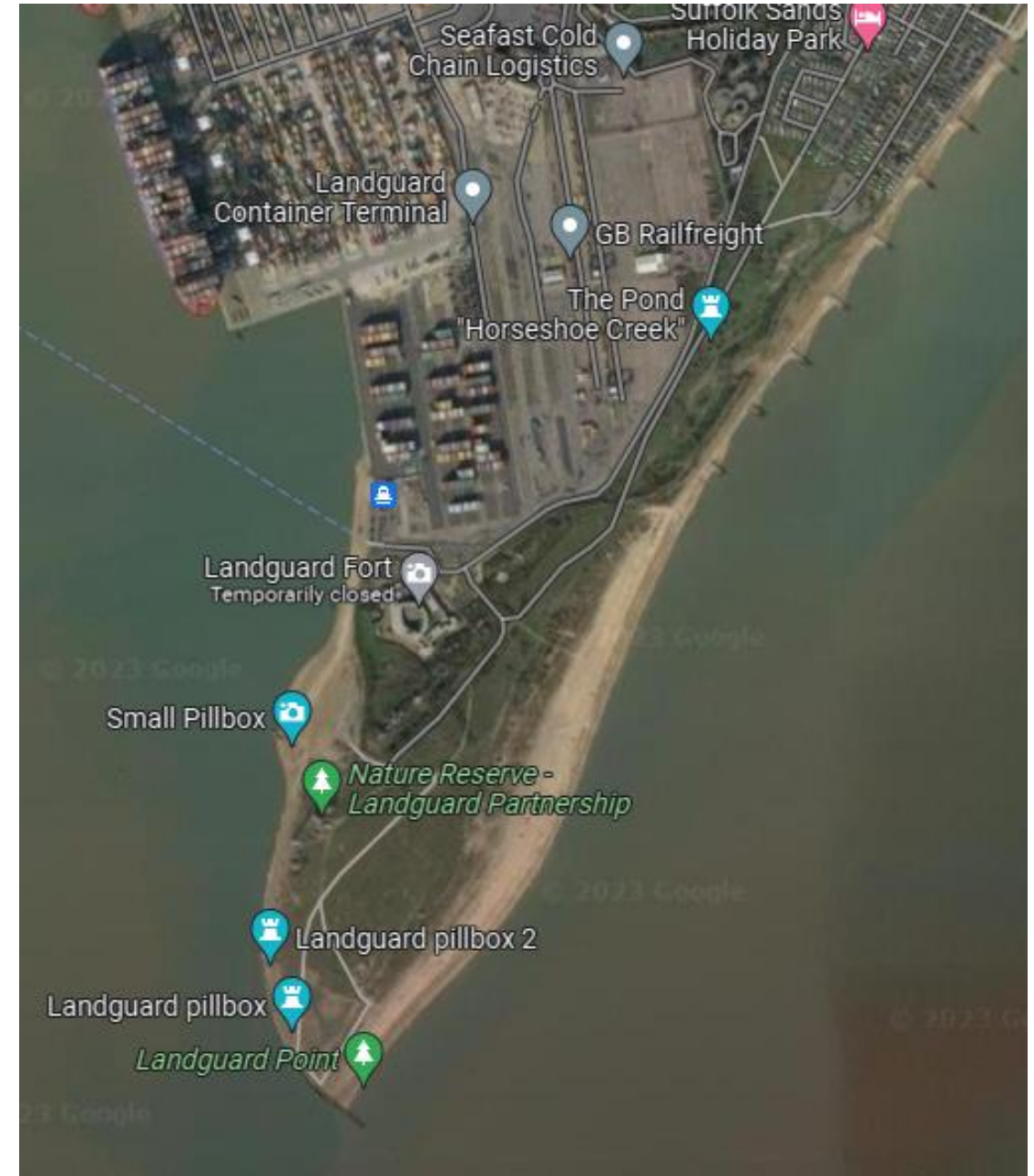
Item: 6  
DC/23/3039/FUL

Installation of 14 solar panels to the southeast  
and southwest roof pitches.

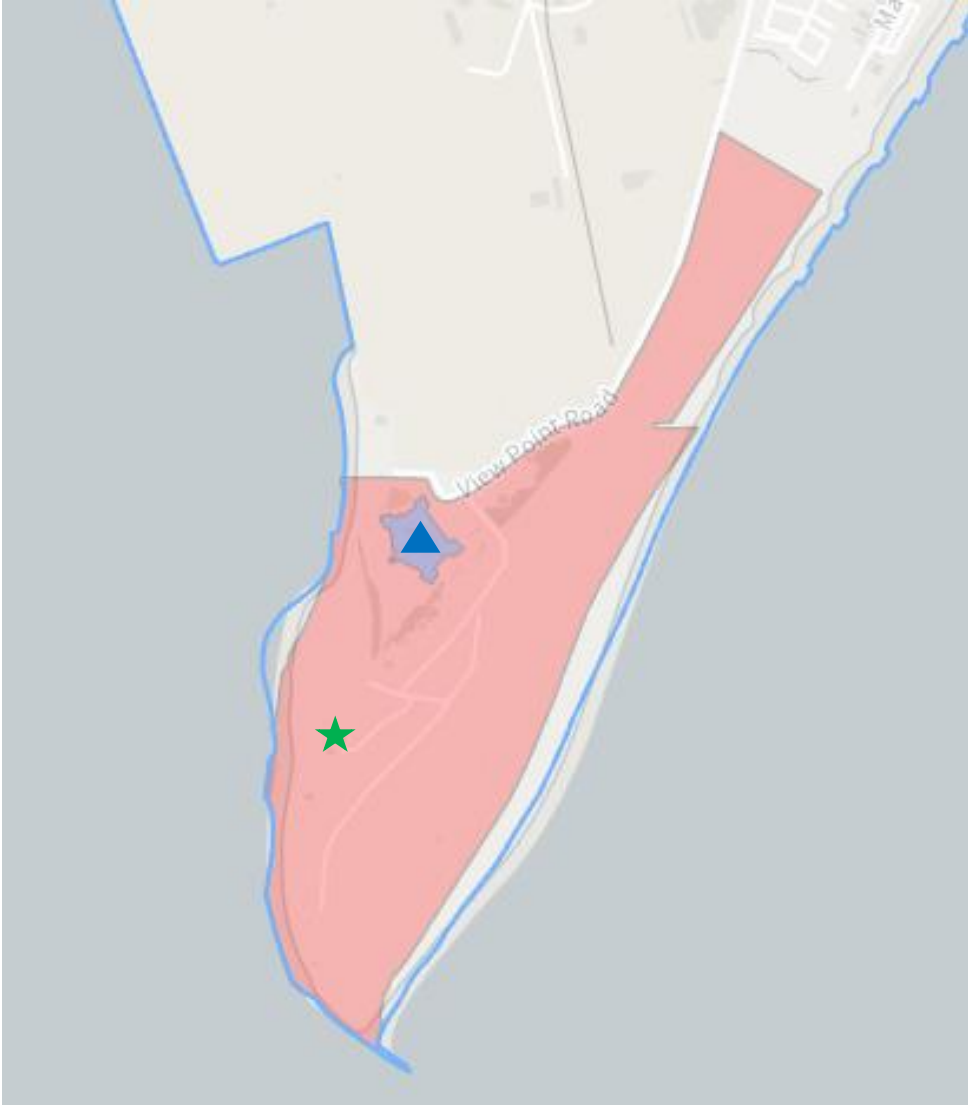
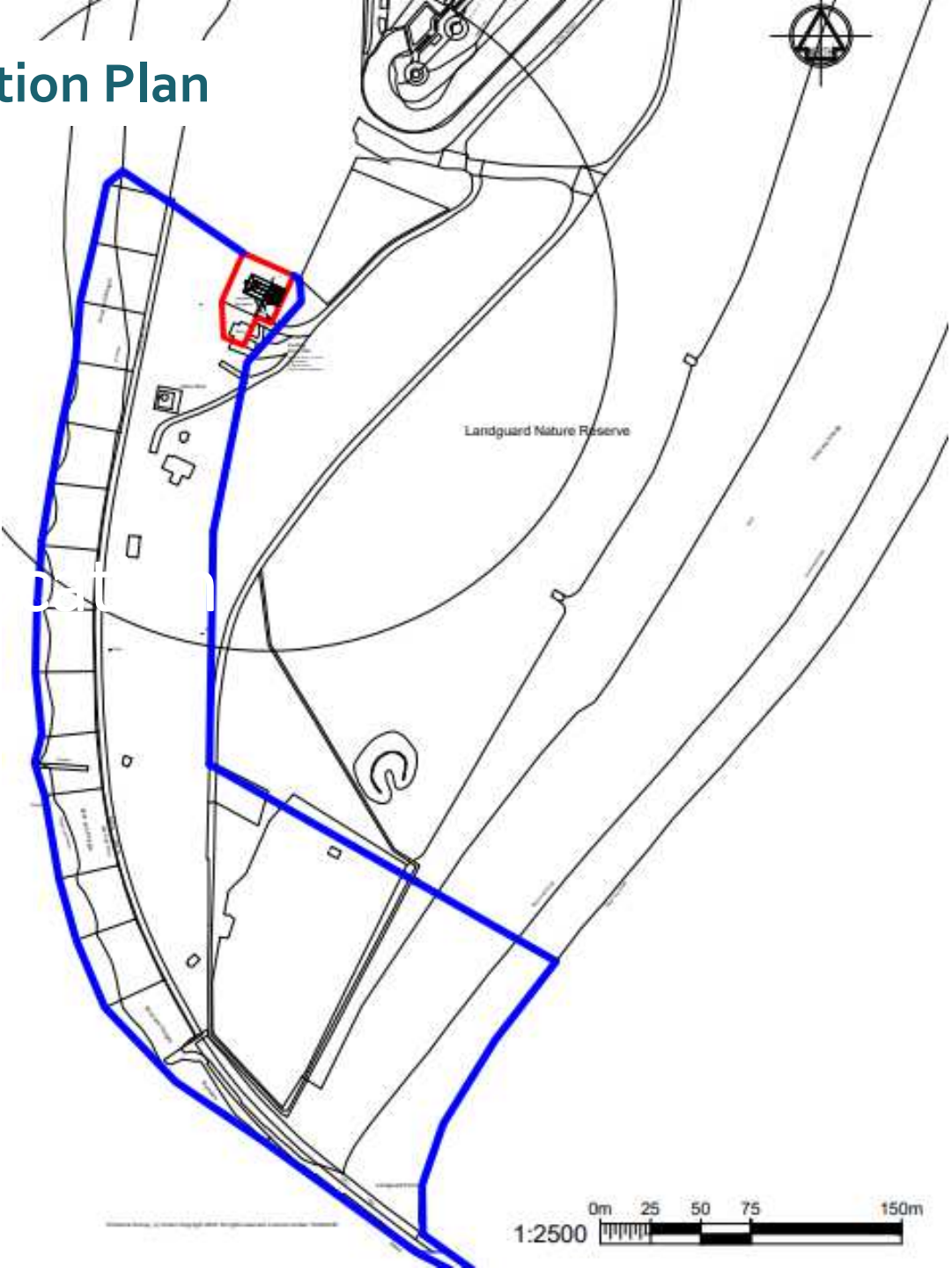
Wardens House, View Point Road, Felixstowe, IP11 3TW



# Wider Aerial Photograph

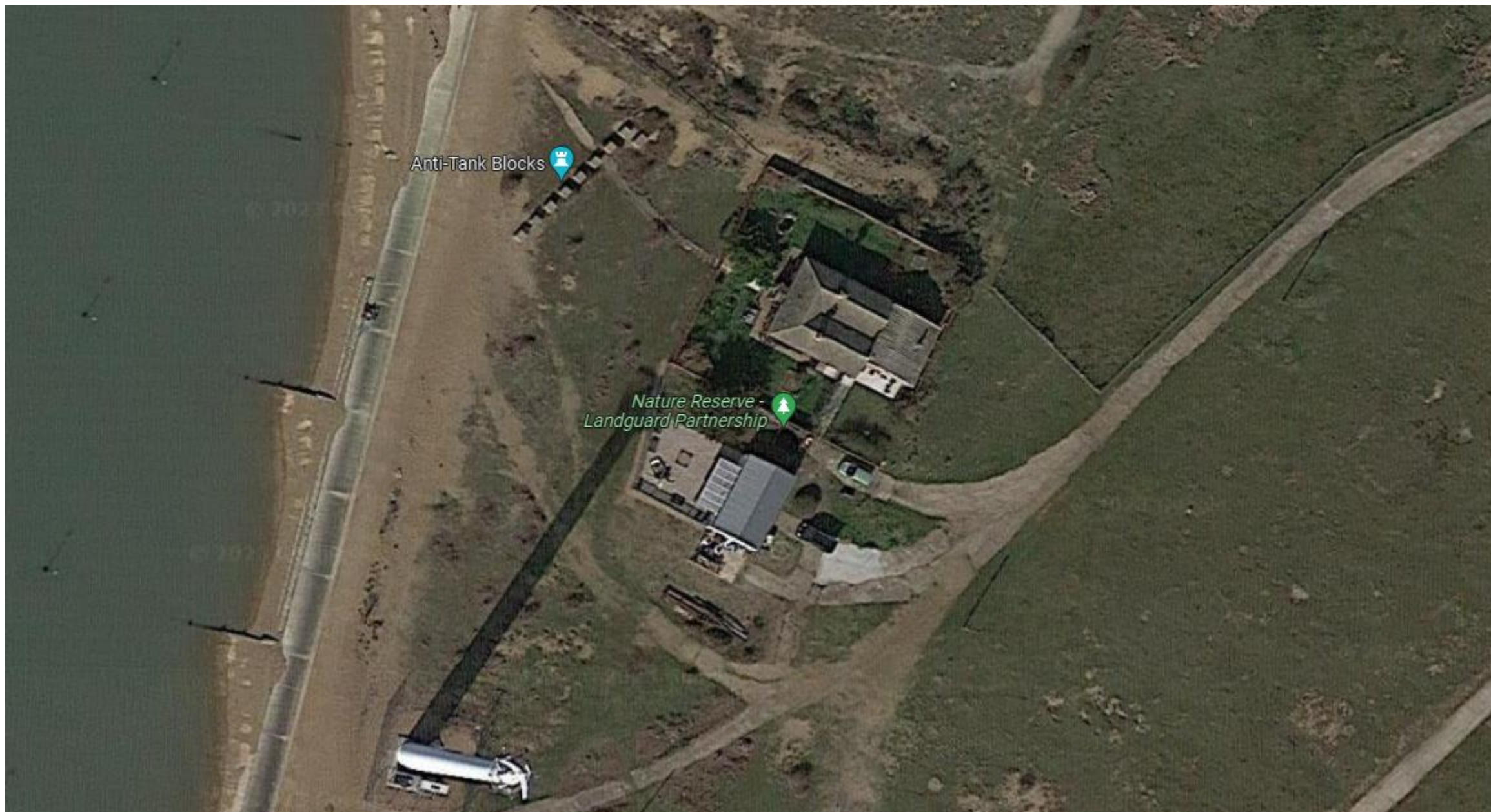


# Site Location Plan

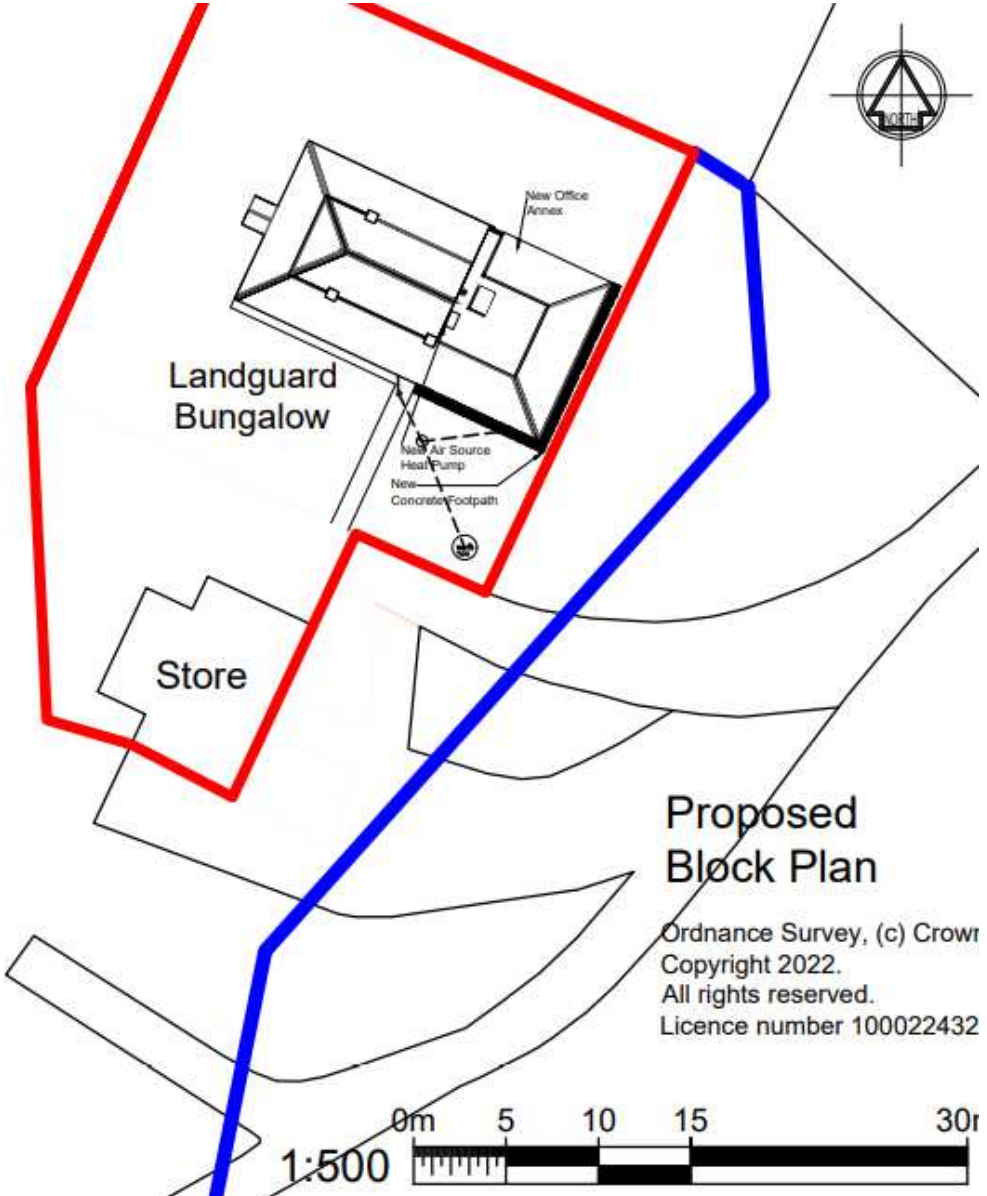


- ▲ Grade 1 Landguard Fort
- Scheduled Monument
- ★ Site

# Aerial Photograph



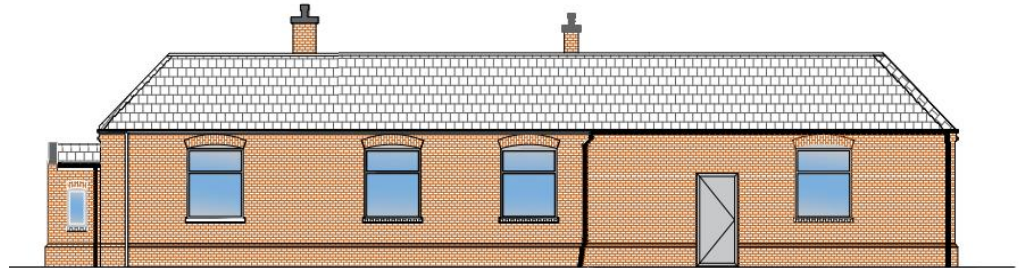
# Permission granted under DC/22/2466/FUL for a replacement extension



**Proposed Block Plan**  
Ordnance Survey, (c) Crown Copyright 2022.  
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Licence number 100022432



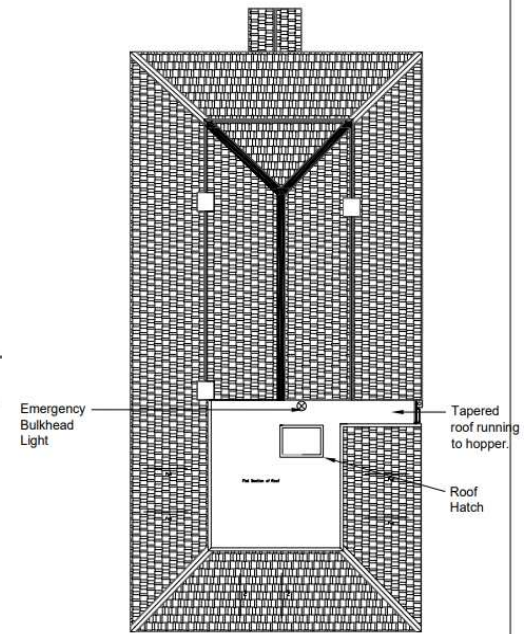
Proposed North East Elevation



Proposed South West Elevation

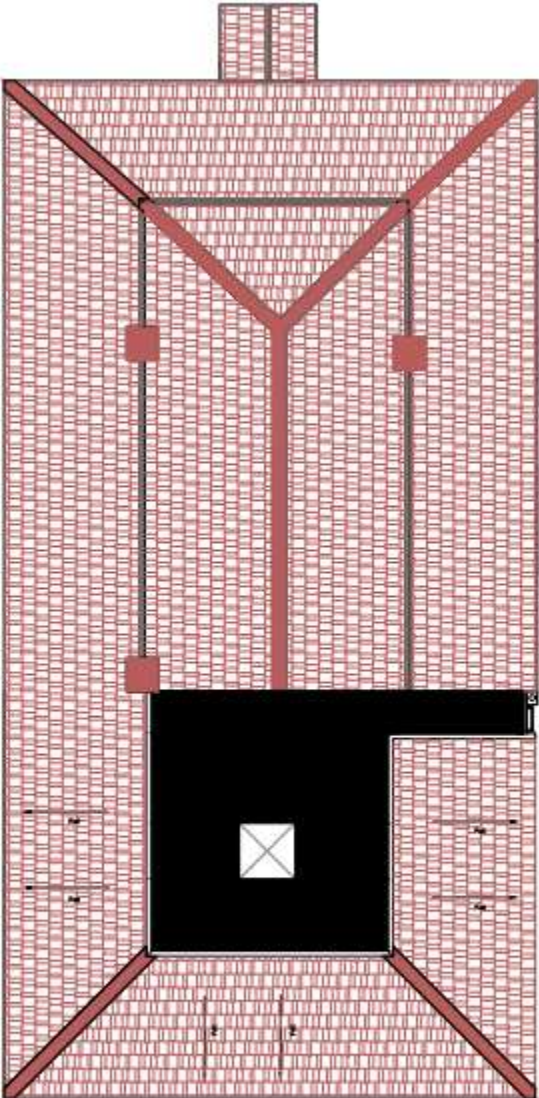


Proposed South East Elevation

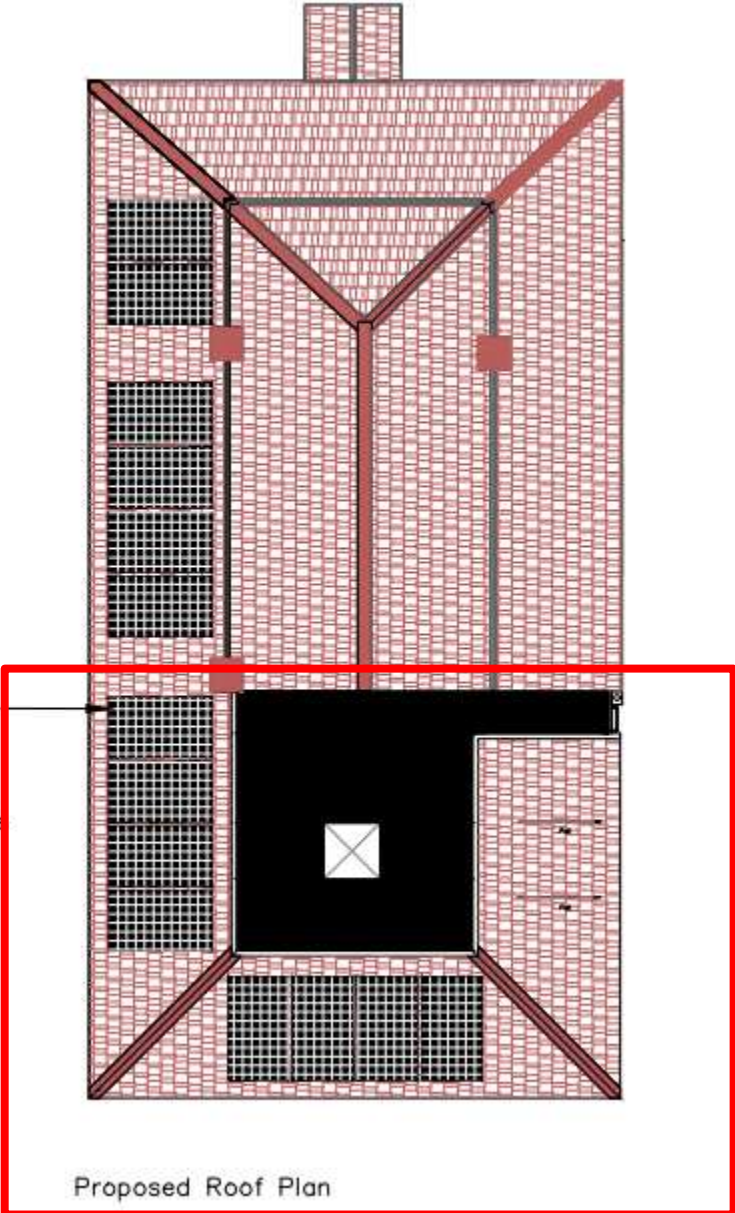


Proposed Roof Plan

# Existing and Proposed roof plans



Existing Roof Plan

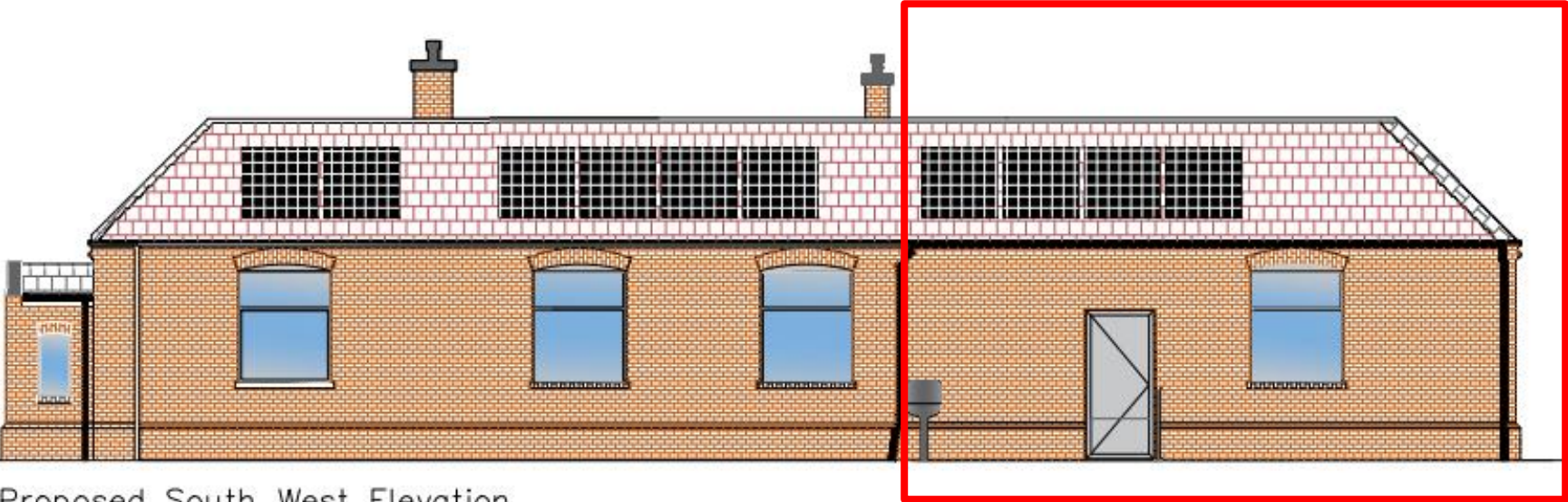


Proposed Roof Plan

# Existing and Proposed Southwest Elevations

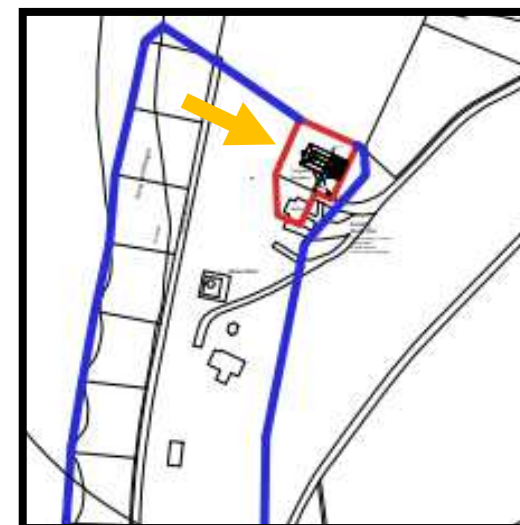


Existing South West Elevation



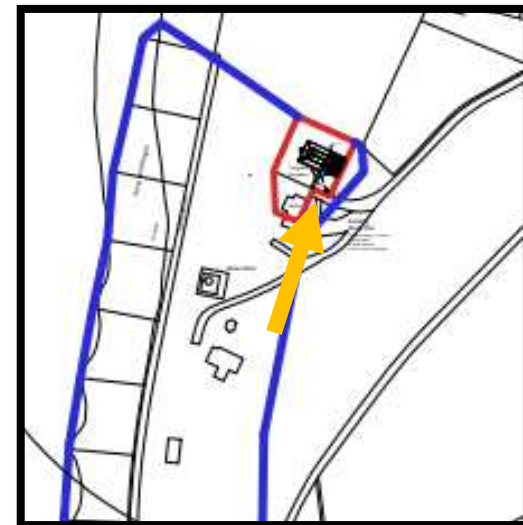
Proposed South West Elevation

# Photographs

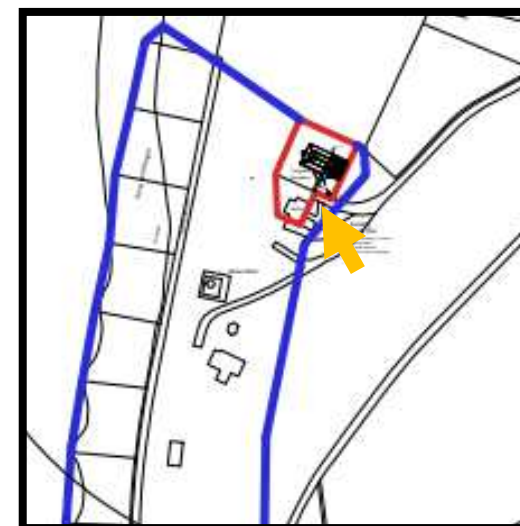




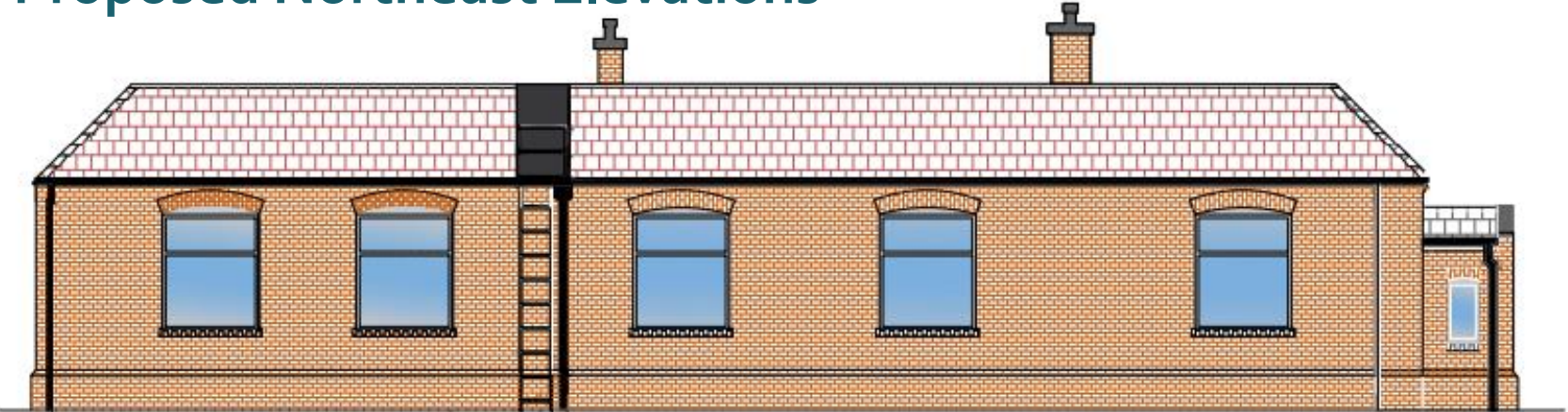
# Photographs



# Photographs



# Existing and Proposed Northeast Elevations

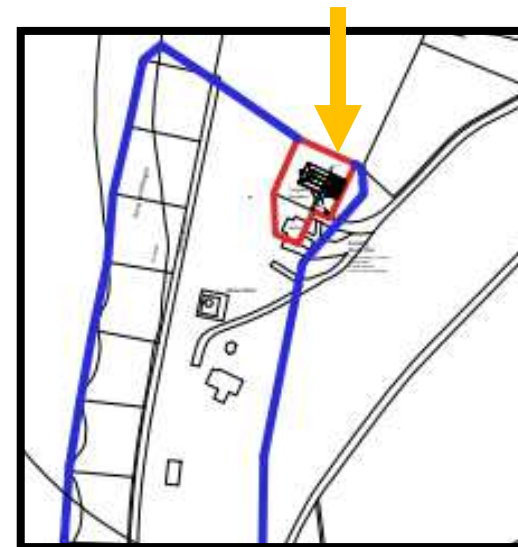


Existing North East Elevation

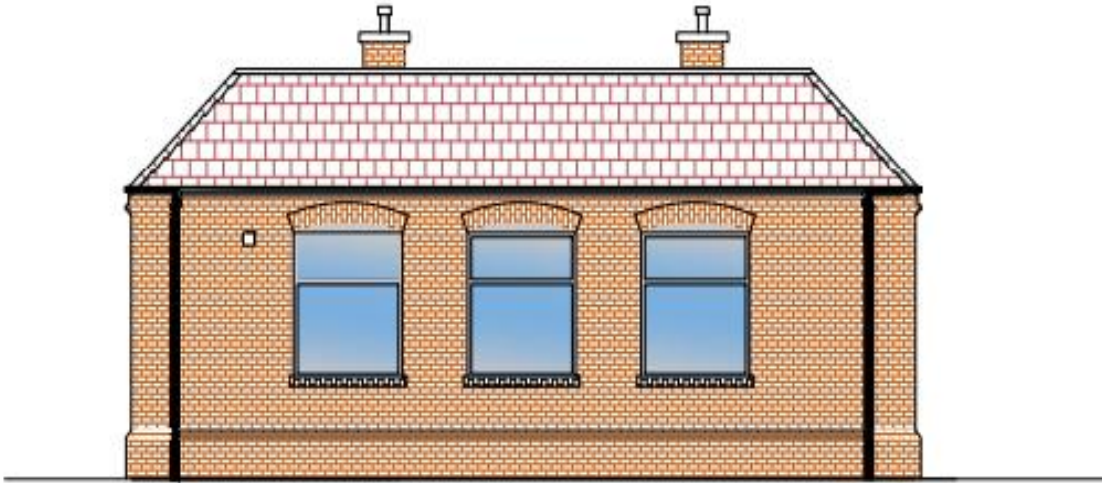


Proposed North East Elevation

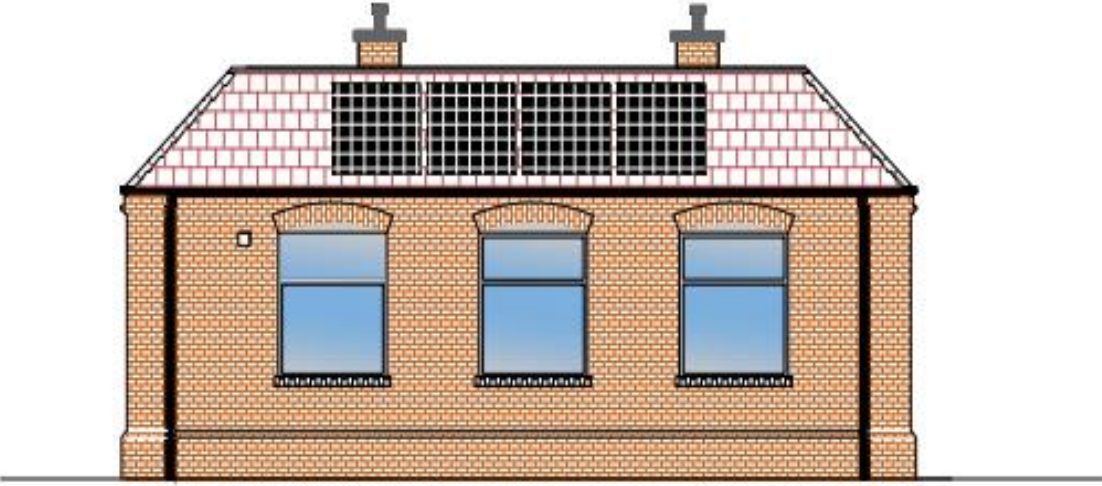
# Photographs



# Existing and Proposed Southeast Elevations

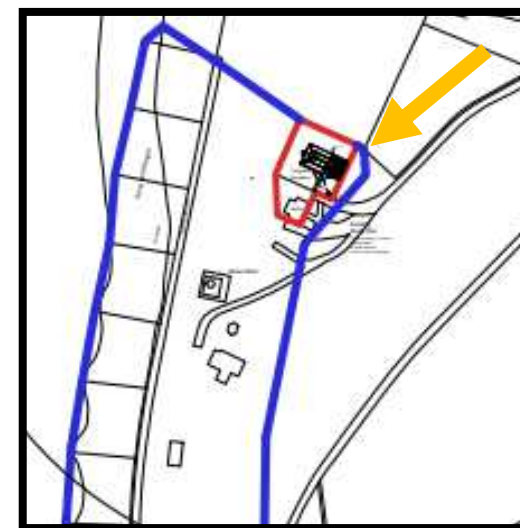


Existing South East Elevation

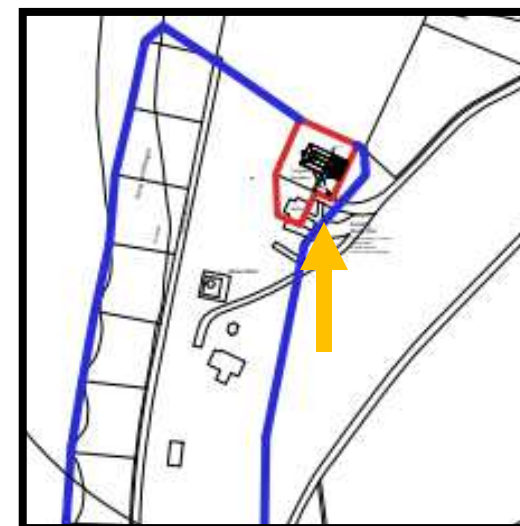


Proposed South East Elevation

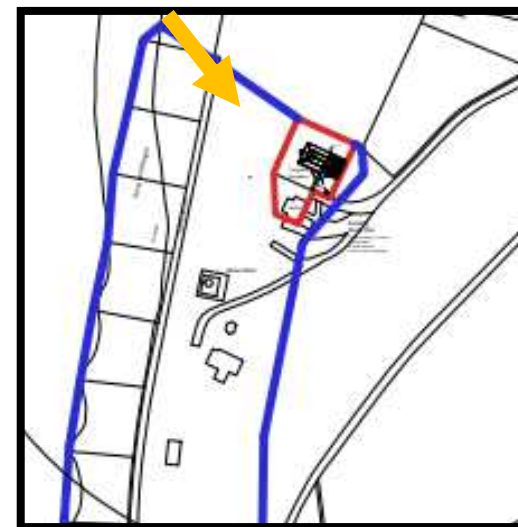
# Photographs



# Photographs



# Photographs





# Recommendation

**Recommended for approval subject to conditions as outlined within the report – summarised below:**

- Time limit
- Compliance with approved plans
- Removal of solar panels when no longer required

[Link to proposed layout](#)

# Solar Panel Data Sheet

**MAXEON 3** POWER: 415–430 W | EFFICIENCY: Up to 22.7%

Electrical Data			
	SPR-MAX3-430	SPR-MAX3-425	SPR-MAX3-415
Nominal Power (P <sub>nom</sub> ) <sup>2</sup>	430 W	425 W	415 W
Power Tolerance	+5/0%	+5/0%	+5/0%
Panel Efficiency	22.7%	22.4%	21.9%
Rated Voltage (V <sub>mpp</sub> )	70.4 V	70.0 V	69.2 V
Rated Current (I <sub>mpp</sub> )	6.11 A	6.07 A	6.00 A
Open-Circuit Voltage (V <sub>oc</sub> )	81.4 V	81.3 V	81.2 V
Short-Circuit Current (I <sub>sc</sub> )	6.57 A	6.57 A	6.55 A
Max. System Voltage	1000 V IEC		
Maximum Series Fuse	20 A		
Power Temp Coef.	-0.27% / °C		
Voltage Temp Coef.	-0.236% / °C		
Current Temp Coef.	0.058% / °C		

Operating Condition And Mechanical Data	
Temperature	-40°C to +85°C
Impact Resistance	25 mm diameter hail at 23 m/s
Solar Cells	112 Monocrystalline Maxeon Gen 3
Tempered Glass	High-transmission tempered anti-reflective
Junction Box	IP-68, Stäubli (MC4), 3 bypass diodes
Weight	21.2 kg
Max. Load <sup>6</sup>	Wind: 2400 Pa, 244 kg/m <sup>2</sup> front & back Snow: 5400 Pa, 550 kg/m <sup>2</sup> front
Frame	Class 1 black anodized (highest AAMA rating)

Warranties, Certifications and Compliance	
Standard Tests <sup>3</sup>	IEC 61215, IEC 61730
Quality Management Certs	ISO 9001:2015, ISO 14001:2015
Ammonia Test	IEC 62716
Desert Test	IEC 60068-2-68, MIL-STD-810G
Salt Spray Test	IEC 61701 (maximum severity)
PID Test	1000 V: IEC 62804
Available Listings	TUV
IFLI Declare Label	First solar panel labeled for ingredient transparency and LBC-compliance. <sup>4</sup>
Cradle to Cradle Certified™ Bronze	First solar panel line certified for material health, water stewardship, material reutilization, renewable energy & carbon management, and social fairness. <sup>5</sup>
Green Building Certification Contribution	Panels can contribute additional points toward LEED and BREEAM certifications.
EHS Compliance	RoHS, OHSAS 18001:2007, Recycle Scheme, REACH SVHC-163

