

# APPLICATION - PF/22/1649

Location – All Saints Church, Cromer Road, Mundesley

Description – Removal of existing plaintiles from Chancel roof and installation of slate roof incorporating solar slates



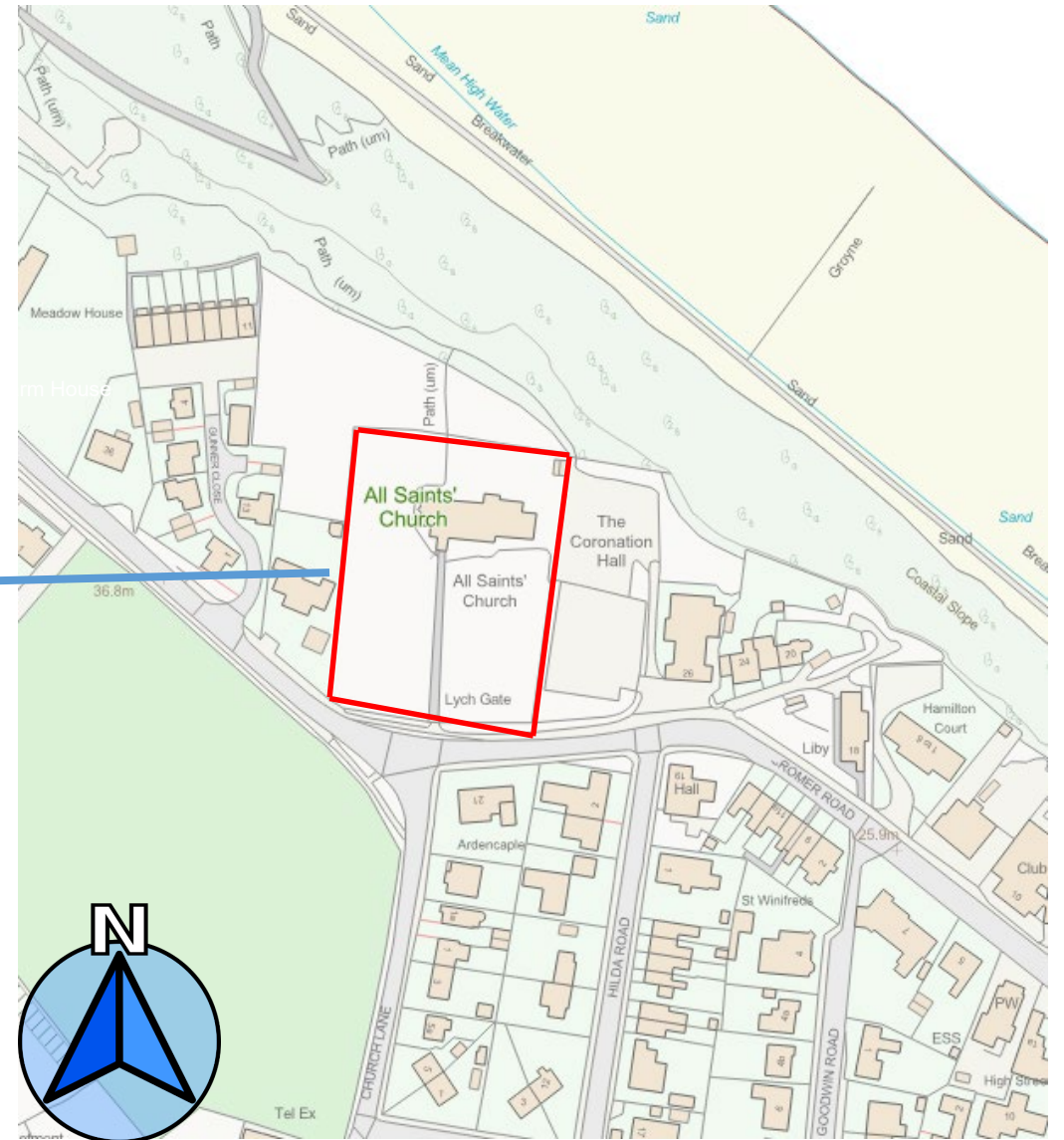
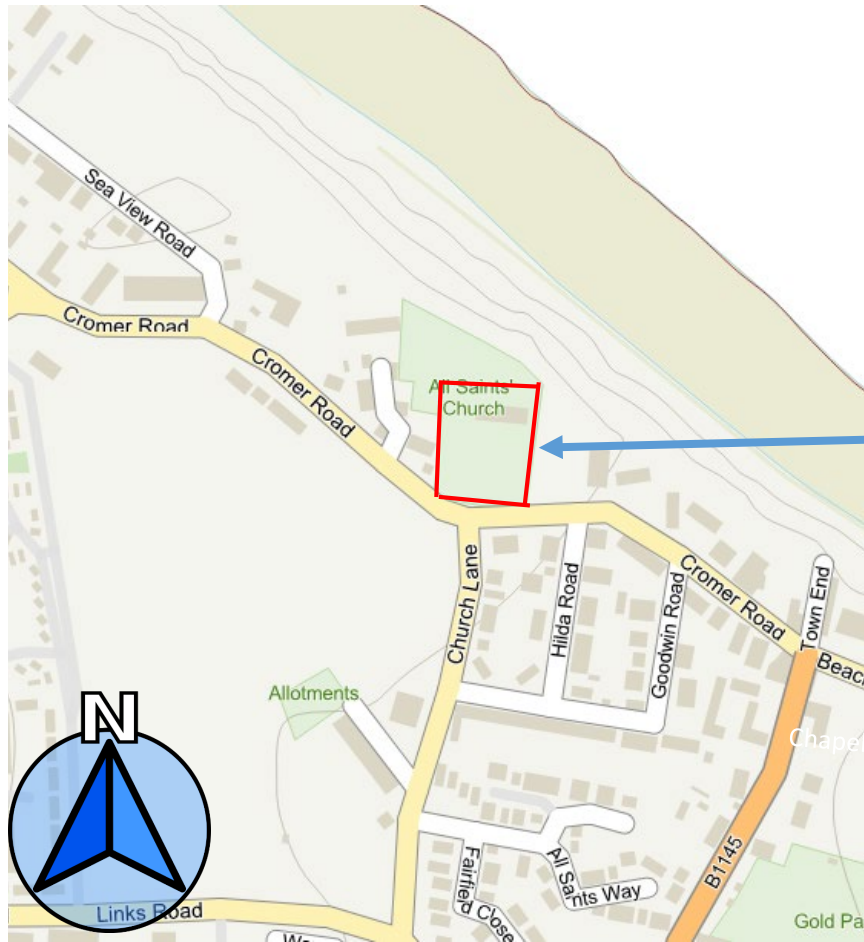
NORTH  
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23<sup>rd</sup> March 2023

# Site Context





# Ariel Context





# Southern Elevation





# Northern Elevation





# Views





# Views



# Example of tiles proposed on North Roof

- Traditional Spanish slate tiles
- Low water absorption, which results in slate less susceptible to frost damage
- Grey lightly textured finish





# Example of tiles proposed on South Roof

- Photovoltaic Solar Slates
- 6754 kilo Watt hour of electricity generated per annum
- 2315 kilo Watt hours per annum to be supplied to the national grid
- Non reflective and matte in appearance



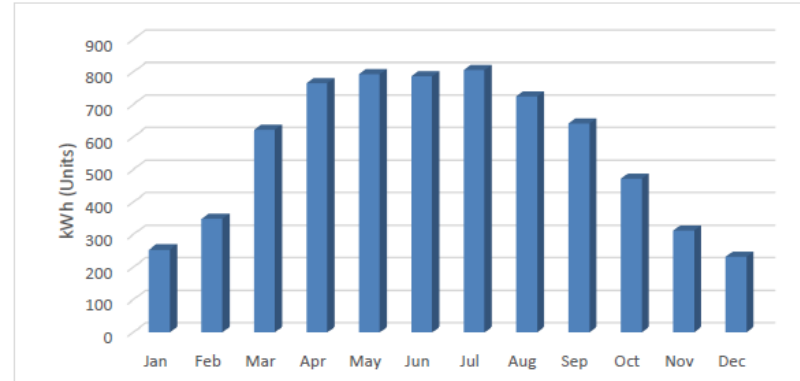


# Energy Generation and Usage

## System performance forecast

Orientation (degrees from South)	8
Pitch (degrees off horizontal)	50
Energy reduction due to shading (%)	15
Shade Assessment	Subject to Survey
Location	Zone 12 - Norwich
System Size	8.4 kWp
Year 1 Production Forecast	6754 kWh

## PV SLATE



- 2018 energy consumption (last full year of services prior to COVID-19 = 3683kWh
- New electric heating and replacement lighting would consume 756 kWh
- Net gain to the National Grid of approximately 2315 kWh



# Main issues

## **MAIN ISSUES FOR CONSIDERATION:**

- **Principle of Development**
- **The effect of the proposed development on the significance of designated heritage assets**
- **Effect on residential amenity, highway safety and biodiversity**
- **Coastal Erosion**



# Recommendation

## **RECOMMENDATION:**

**APPROVAL subject to the imposition of conditions to cover the matters listed below:**

- **Time limit for implementation**
- **Approved plans and details**
- **External materials**

**Final wording of conditions to be delegated to the Assistant Director – Planning**