



HERRICK DESIGN CO.
ARCHITECTURAL SERVICES

Design & Green Infrastructure Statement

A Proposed Solar PV Installation

Walnut House, South Row, Redwick, Newport, NP26 3EA

September 2025

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1.0 Summary

This statement has been produced in support of, and to provide further information regarding the Householder planning application for the installation of a solar PV array at Walnut House, South Row, Redwick, Newport, NP26 3EA.

The applicant is seeking planning permission for a retrofit installation of a photovoltaic array to the front, principal elevation roof and rear roof pitches. The proposal seeks to deliver renewable energy generation at a domestic scale in a manner that is sensitive to the historic character and appearance of the surrounding area, while contributing to local and national objectives for reducing carbon emissions and addressing climate change.

2.0 Site Description and Context

Easting: 341130 Northing: 184109 Grid Reference: ST411841

Walnut House, formerly 'Parklands', is located on the Southwest fringe of the village of Redwick. It is set back from the highway within a large corner plot and dual aspect to South Row, well screened from the West elevation by mature trees and hedgerow.

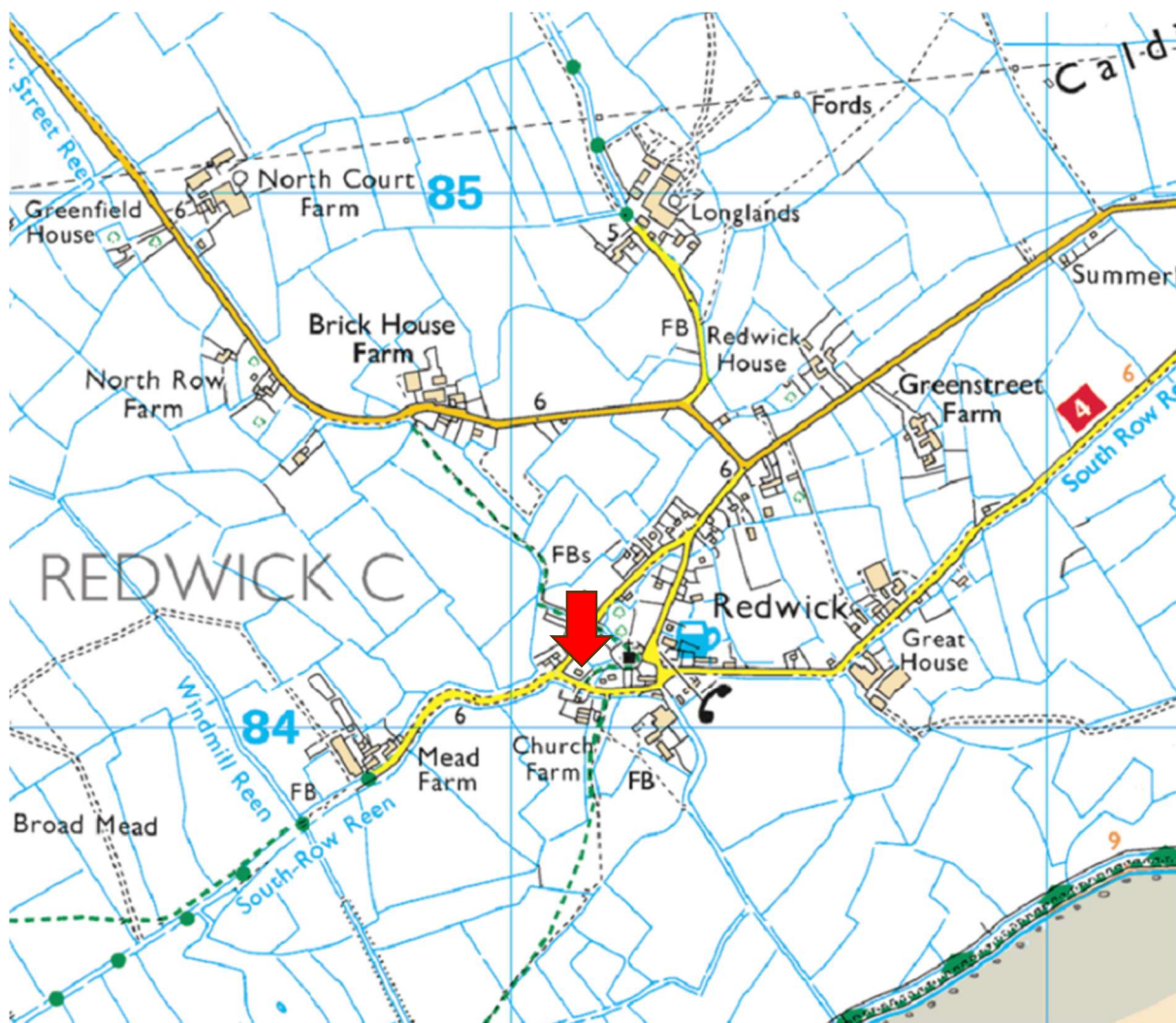


Fig 1: OS Site Map (Not to Scale)

3.0 Planning Context

Various previous planning consents for the existing property include;

19/0939 – Partial discharge of conditions 05,06,07 & 08 of planning permission 18/0133 for the demolition of existing bungalow and erection of detached dwelling. *Approved (23.01.2020)*

18/0133 – Demolition of existing bungalow and erection of detached dwelling. *Granted with Conditions (03.05.2018)*

18/0134 – Conservation area consent for demolition of existing bungalow and erection of detached dwelling. *Granted with Conditions (03.05.2018)*

13/0433 – Conservation area consent for demolition of bungalow. *Refused (18.05.2017)*

14/0432 – Construction of new build two-storey house and double garage and demolition of existing bungalow post construction of new build house, and construction of new hardstanding/drive using existing site access. *Refused (14.03.2014)*

07/0916 – Lopping of willow tree protected by Redwick Conservation Area. No Objections *(18.09.2007)*

4.0 Planning Policy

The proposals have been considered against the development criteria and planning policy relevant to the site and is considered to comply fully with the provisions set therein. The following section provides a summary of the key policies and relevant guidance that has informed the development of the proposals, whilst also communicating the proposed extensions consideration of national and local planning policies as defined primarily, but not exhaustively, by the Newport Local Development Plan 2011-2026 Adopted January 2015 and the overarching policies of the Planning Policy Wales (PPW) Edition 11 February 2021, Future Wales - The National Plan 2040, Key policies from the Newport Local Development Plan 2011-2026 that have informed the proposals include:

Policy CE7 – Conservation Area

The applicant site is situated within the Redwick Conservation Area. The proposal preserves and enhances the character of the conservation area by ensuring that the installation panels are of a slim profile and the matte black anodised finish is discreet, reversible, and does not result in harm to the heritage significance of the area.

Policy SP5 – Countryside

The site, although on the fringe of a village, can be considered typically rural, and is bound by open pasture to the South. The proposed installation accords to Policy SP5 as the use is appropriate within an existing residential curtilage. The proposals sit comfortably within the roof plane and are appropriate in scale and design and respect the landscape character of the immediate and surrounding area.

Policy UEN1 – Renewable Energy

The installation of solar PV panels directly supports the policy objectives to increase renewable energy generation and reduce reliance on fossil fuels, contributing to a reduction in greenhouse gas emissions. The installation, together with supplementary renewable technology i.e. air source heat pump and battery storage, will greatly improve the sustainability of the dwelling and reduce the reliance on oil for the heating of the property.

5.0 Proposal

The application is seeking consent for the installation of a 24no. panel solar photovoltaic array providing a total module power output of 10.9kW. Each panel is 455W and constructed of black glass with monocrystalline silicon modules. Each panel is 1762mm in length by 1134mm in width. The panels are 30mm in thickness and will be installed on a near flush, low profile mounting system. The optimised system will incorporate a maximum of 18no. on the principal elevation roofs, and 6no. panels to the rear pitched roof projection.

6.0 Sustainability, Green Infrastructure and Biodiversity

In accordance with LDP Policy GP5, the following section details the key considerations in regard to impacts on the local green infrastructure assets;

The proposed development will be limited to the installation of a solar PV array on the roof of an existing dwelling in a developed residential curtilage. There will be no loss of permeable garden or driveway space and no loss of trees, vegetation or habitat. Existing vegetation and soft landscaping around the site will be retained and protected during the installation.

Notwithstanding the above, the proposed works give an opportunity to enhance green infrastructure in a minor but positive manner. A bat box is proposed to be installed on an existing tree within the development site, installed facing a Southwesterly direction and no lower than 3m above ground level. Together these measures contribute to a net gain in biodiversity and improved green infrastructure.

7.0 Conclusion

To conclude, it is regarded that the relatively minor nature of the proposed installation will have no negative impact on the host dwelling or surrounding landscape and will not be detrimental to the character of either. There is a justified need for the adoption of renewable technologies.