

1 Barrenger Road, London, N1 1HU

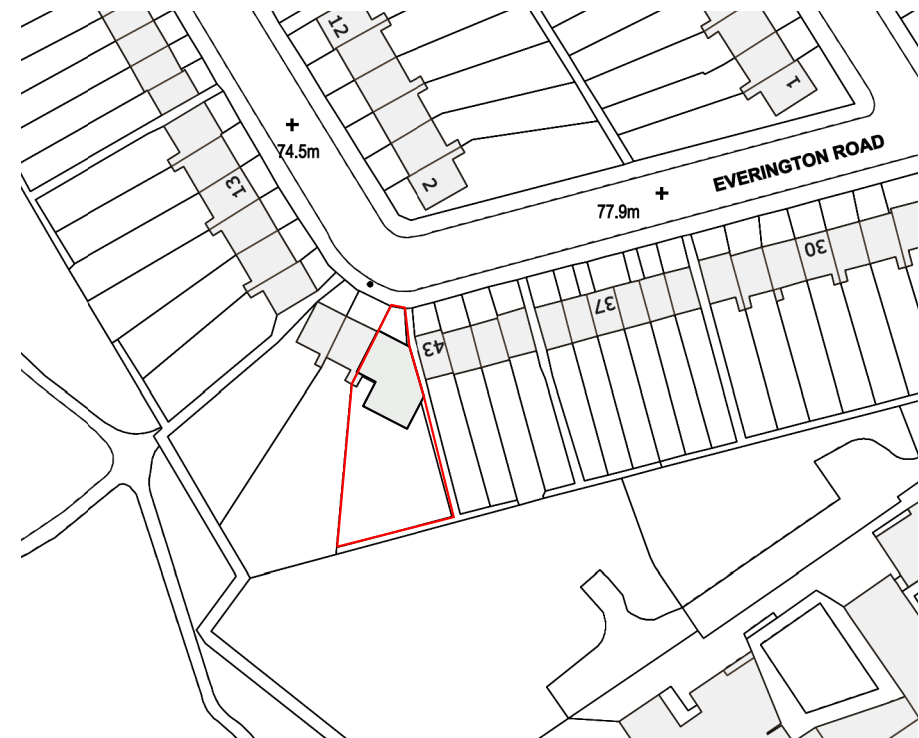
231 DOC 06 - LDC Application

Application type: Certificate of Lawful Development: Proposed Use
Reference: HGY/2022/4527
Proposal: The proposed works comprising the installation of solar panels and 1 x Air Source Heat Pump

This document has been drafted in support of the above application and the proposal to install an Air Source heat Pump to the front garden of 1 Barrenger Road.

Policy - In accordance with Class G:

- There is not more than 1 air source heat pump proposed within the curtilage of the dwelling / house.
- The volume of the proposed ASHP does not exceed 0.6 m3.
- No part of the ASHP will be within 1m of the boundary or curtilage of the dwelling / house.
- The ASHP will be installed within the front garden at ground floor level..
- The ASHP will be installed by a MCS Certified Contractor, for which we enclose evidence of.



Site Location Plan - 1:1250



1 Barrenger Road - Existing front elevation and garden

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Existing Street & Context

1 Barrenger Road is a new build Passivhaus constructed in 2015. The property is located at the corner of Barrenger Road and Everington Road which are predominately 1940's terraced houses with small front gardens. 1 Barrenger Road has a small front garden with brick walls to the boundary, a bin enclosure and planting.

Within the wider estate, existing front gardens are varied and consist of a mix of small landscaped gardens, off street parking with cross-overs, bin stores, bike stores and storage boxes as illustrated on this page.



21 Barrenger Road - Lose bins and plastic storage unit



22 Barrenger Road - Timber enclosures to bikes and bins



80 Barrenger Road - Metal bike storage



88 Barrenger Road - Off street parking, bike store and bins

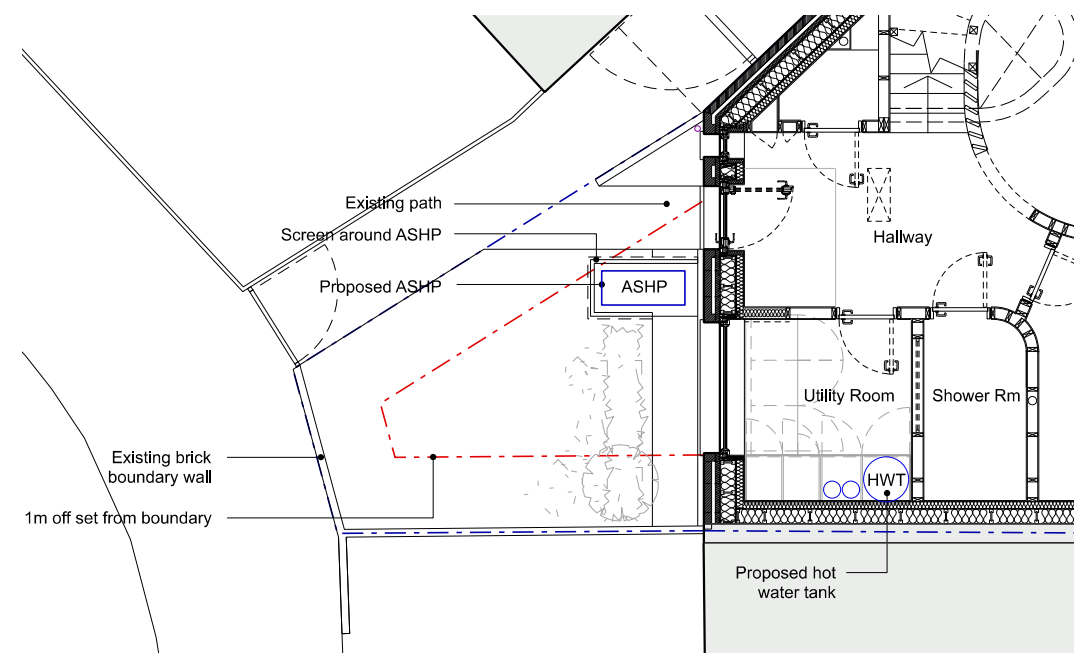
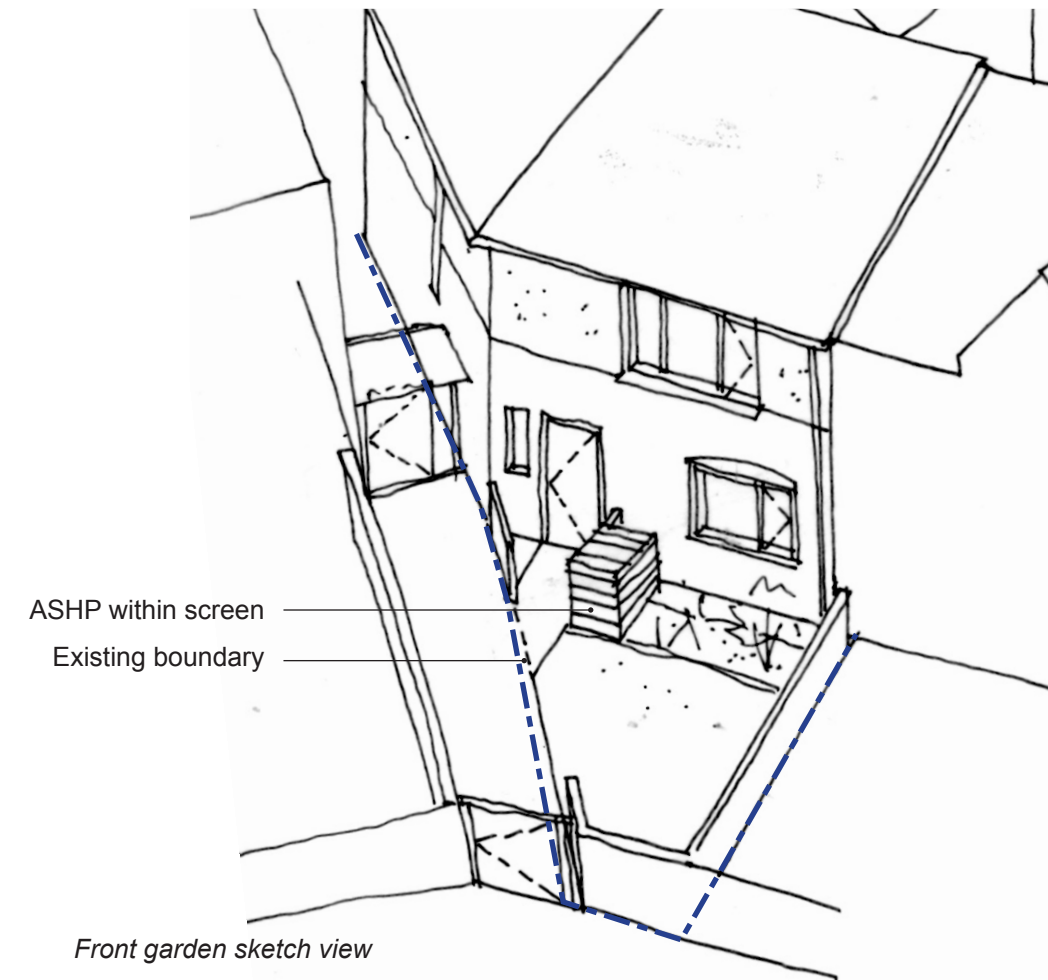
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Proposal

The proposed air source heat pump is located in the front garden of 1 Barrenger Road. The heat pump will be positioned more than 1m from the site boundary within a louvred enclosure (see image example below).

The installation of ASHP will be approximately three times more efficient than a traditional boiler and will therefore minimise the energy requirement for heating and hot water. The front garden is located very close to the utility room where the hot water tank is positioned and hence this location will ensure the best efficiency for the heat pump system, lowering running energy consumption and reducing CO2 emissions. The proposed wooden louvred enclosure would be designed in such a way as to allow adequate free area and flow of air but the angles of the wooden slats would visually screen the heat pump so that it is not visible when viewing the front elevation of the building. The net impact of the wooden enclosure would be no more than that of a bin store or bike shed commonly located in front gardens.



1 Barrenger Road - Proposed front garden and air source heat pump

