

## Introduction

20 Lincoln Road, Oxford is a detached dwelling with the **main dwelling in the Flood Zone 2** but the **rear garden is in Flood Zone 3**.

The proposal to locate a new air source heat pump against the rear elevation of the property. The air source heat pump will be placed above a plinth that will be on stilts/ hit and miss bricks that will allow for water levels to rise without impacting on the flooding mitigation in the area.

The installation of the heat pump will take into consideration the following:

## Flood risk and mitigation

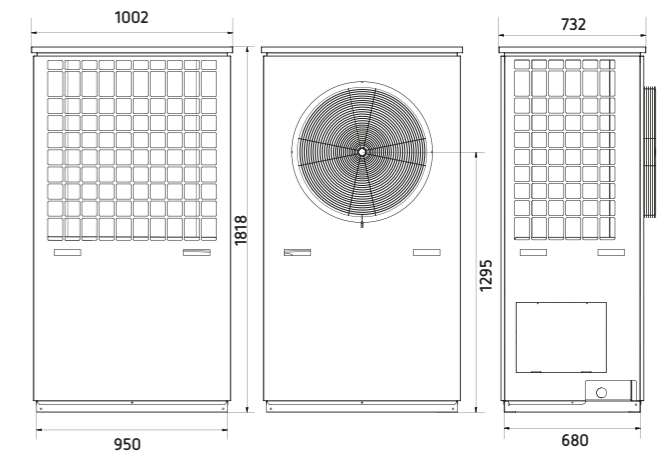
- The dwelling is in Flood Zone 2 and as such considered a of Medium Probability of Flooding
- The heat pump is to be in the same level as the internal finished floor level as it will be raised onto a plinth - at least 450mm+ above road/ local Flood Zone 2 flood point
- The plinth will be constructed with a **supports/ stilts/ hit& miss bricks** to allow for ventilation and flood water to rise freely below
- The structure is to have **sufficient gaps** to allow for continuous ventilation and flood water to rise
- Other flood mitigation strategies are to be included in the internal fixtures and fittings according to Environment Agency guidelines



PROPOSED FLOOR PLAN & ELEVATIONS + HEAT PUMP

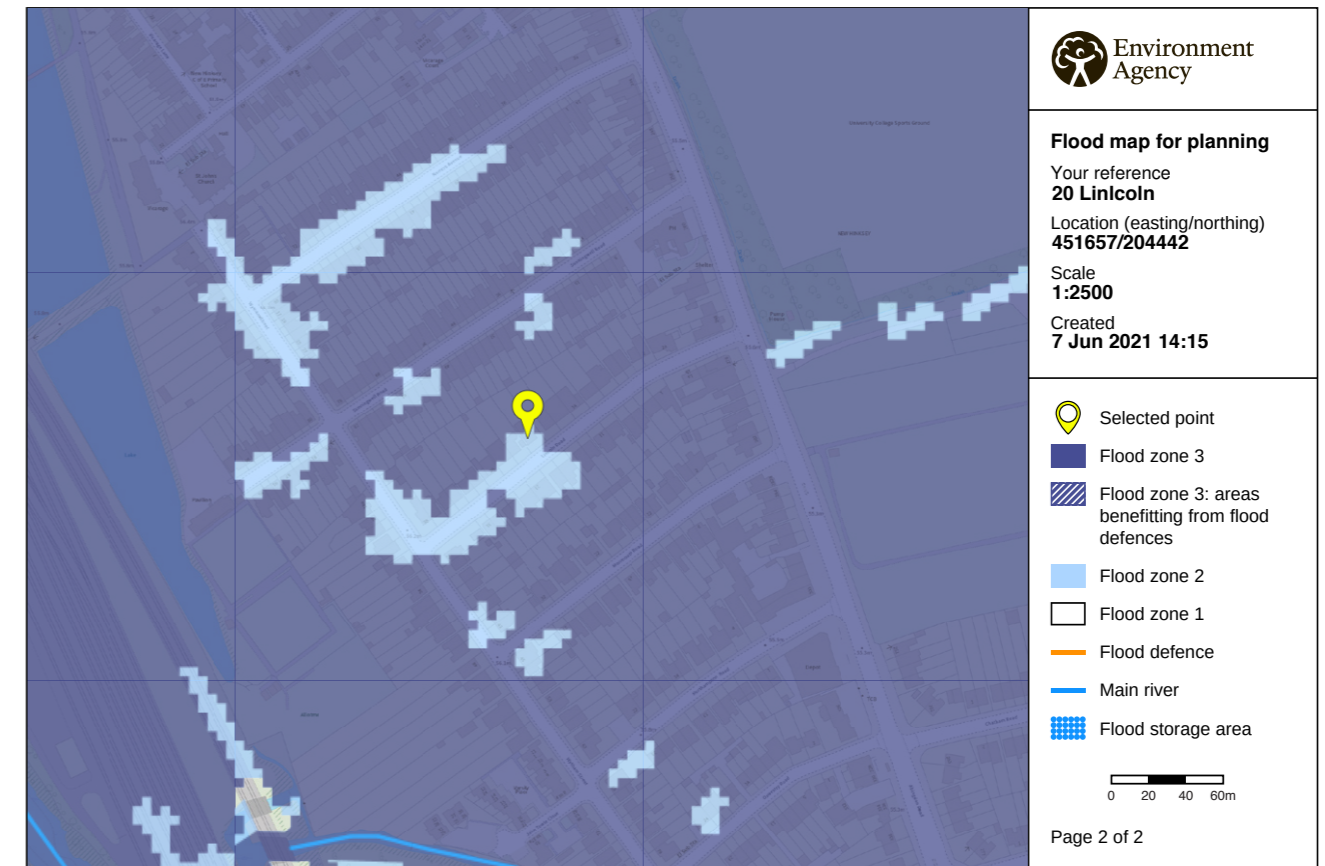


EXISTING REAR VIEW  
Showing proposed heat pump location



Model	H	W	D
Caernarfon	1818	1002	732

HEAT PUMP DETAIL + DIMENSIONS



FLOOD MAP  
Showing location of 20 Lincoln Road, Oxford

PLANNING STAGE

20 LINCOLN ROAD, OXFORD - NEW AIR SOURCE HEATPUMP

FLOOD RISK ASSESSMENT

JUNE 2021

PROJECT  
**51**  
ARCHITECTURE