

Design and Access Statement

Air Source Heat Pump System for Arundel C of E Primary School

March 2026

The Project

Arundel C of E Primary School located in Arundel, West Sussex, is part of the Diocese of Chichester. In line with Church of England net zero targets, the Diocese of Chichester are undertaking a heat decarbonisation project across two schools. A heat decarbonisation plan was prepared by Mantis Energy, which analysed Arundel Primary School's energy use and assessed heat decarbonisation opportunities. Subsequently, ReEnergise supported the Diocese of Chichester in making a grant application to Salix for funding via the Public Sector Decarbonisation Scheme (PSDS). This grant will help fund the installation of an air source heat pump (ASHP) system, along with improvements to cavity wall insulation.

The Site

The school was built in 1974 and was extended in 2010 and 2015. A modular building was added in 2022, which does not form part of the project scope. There is a large playground and playing fields to the west of the school. Residential buildings are located by the school's carpark to the north of the school boundary. Access to the school is via Jarvis Road.

The Proposed Works

The development proposes the installation of an ASHP system. The outdoor heat pump units will be located to the north of the building near the car park, which is also where the school's plant room is located. There will be a 2 metre high mesh security fence with an access gate installed around the heat pump units.

The ASHP system is designed to have a capacity of 128 kW and will be made up of 2 x 64 kW Vitocal 200-A Pro units. The existing pipework on the school's roof is to be decommissioned, and new internal pipework is to be installed. The school's existing gas boilers are to be removed as part of the project.

Site Photos & Plans

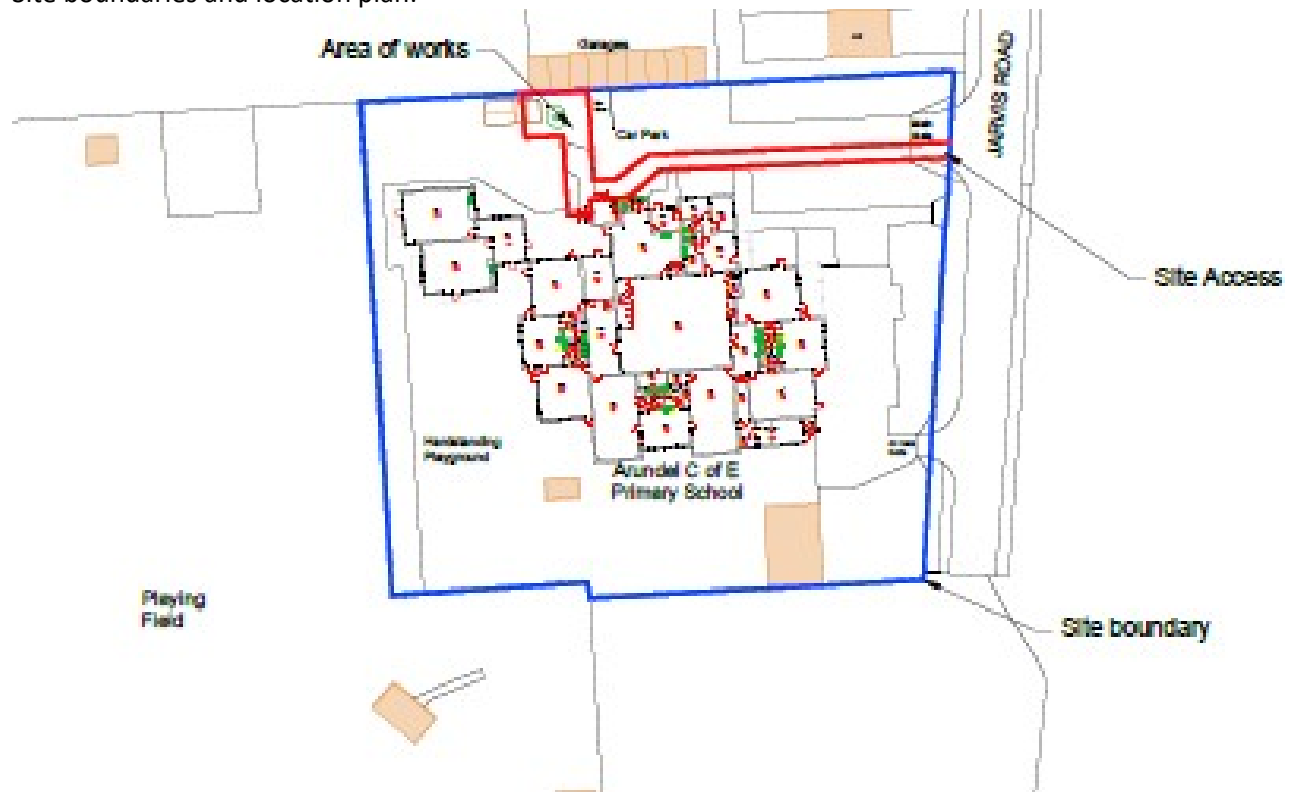
Front (east aspect) of Arundel C of E Primary School:



Plant room (with red door) and grassed area to west of car park where ASHPs will be located:



Site boundaries and location plan:



Site plan showing proposed ASHP location:

