

**Building Futures Together**

# St Paul's Catholic College

Jane Murray Way, Burgess Hill, West Sussex  
Air Source Heat Pump Installation

Design and Access Statement

P23-1441

September 2024



**Barker**



**St Paul's Catholic College**  
**Air Source Heat Pump Installation**  
**Design and Access Statement**

Air Source Heat Pump Installation  
at  
St Paul's Catholic College  
Jane Murray Way, Burgess Hill, West Sussex, RH15 8GA

Prepared For and on Behalf of:  
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## **Design and Access Statement**

St Paul's Catholic College

Jane Murray Way, Burgess Hill, West Sussex: Air Source Heat Pump Installation



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## 1 Introduction

The application is for the replacement of the heating system to St Paul's Catholic College, Jane Murray Way, Burgess Hill, West Sussex, RH15 8GA.

St Paul's Catholic College is a secondary school catering for 1150 pupils aged between 11 to 18 years.

The heating system is currently a gas system which is aged, constantly failing and in desperate need of replacement. The government have provided a Public Sector Decarbonisation Scheme grant to the school to convert the existing heating system to a sustainable solution. The sustainable solution is a full replacement of the existing gas boilers with the installation of air source heat pumps to provide the heat generation and provision of solar PV system to provide onsite energy generation.

### Proposal:

Following grant of planning for installation of new air source heat pumps to replace the existing defective gas fired boilers at the school including acoustic fencing/ enclosure and gates (Ref: DM/24/0585) and dated 9<sup>th</sup> of July 2024, it is proposed to amend the number, size and location of the external ASHP units as indicated in the drawings submitted with this statement.

The proposal will provide a modern, lower emission, sustainable and energy efficient space heating provision for the school in place of the aged and poor condition existing gas heating service to the school.

The works are proposed in order to provide a sustainable solution to the space heating needs for the school. The works will provide a brand-new system with warranty and assist with the current pressure upon the school due to a failing gas heating system. The new system will provide a sustainable and energy efficient heating system for the school in line with Government targets and local policy guidance.

## Relevant Policies

The proposal is in line with the Governments National Framework Planning Policy and the environmental objectives of adapting to climate change and moving towards low carbon economy.

The Mid Sussex Sustainability Economy Strategy 2022 - 2025 identifies the following relevant policies, the proposals are directly in support of net zero targets.

Mid Sussex District Plan 2021 – 2039 – Sustainability DPS1 & DPS2

- A District-wide net zero target aligned to the national target.
- A Council-only net zero target of 2040 for emissions the Council can directly control.
- A Council-only net zero target aligned to the national target for emissions the Council can only indirectly influence.
- Reduce carbon emissions.
- Maximise carbon sequestration.
- Adapt to and mitigate for climate change.

## Planning History

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- Installation of new air source heat pumps to replace the existing defective gas fired boilers at the school including acoustic fencing/ enclosure and gates.

St Pauls Catholic School Manor Lane Sunbury-on-Thames TW16 6JE

Ref. No: DM/24/0585 | Decision Date: 09 Jul 2024 | Status: Granted

## 2 Design Statement

### 2.1 Location

The site is located at St Paul's Catholic College, Jane Murray Way, Burgess Hill, West Sussex, RH15 8GA.

St Paul's Catholic College is located on the outskirts of Burgess Hill, West Sussex and serves the local area and community. The site is located to the Northwest of the town situated between the A273 and the A2300 in a semi-rural setting.

Please refer to drawing:

- P231441-BA-A1-00-DR-A-2000 SITE LOCATION PLAN
- P231441-BA-A1-00-DR-A-2001 BLOCK PLAN



Aerial view. © Google maps.

The surrounding area is mainly residential and formed by detached dwelling houses.



In addition, the site is within flood zone 1 “an area with a low probability of flooding”, according to the Environment Agency flood map. Please refer to the below information from the Environment Agency.



## Flood map for planning

| Your reference | Location (easting/northing) | Created           |
|----------------|-----------------------------|-------------------|
| <Unspecified>  | 529594/120182               | 27 Sep 2024 12:50 |

**Your selected location is in flood zone 1, an area with a low probability of flooding.**

You will need to do a flood risk assessment if your site is **any of the following**:

- bigger than 1 hectare (ha)
- In an area with critical drainage problems as notified by the Environment Agency
- identified as being at increased flood risk in future by the local authority's strategic flood risk assessment
- at risk from other sources of flooding (such as surface water or reservoirs) and its development would increase the vulnerability of its use (such as constructing an office on an undeveloped site or converting a shop to a dwelling)

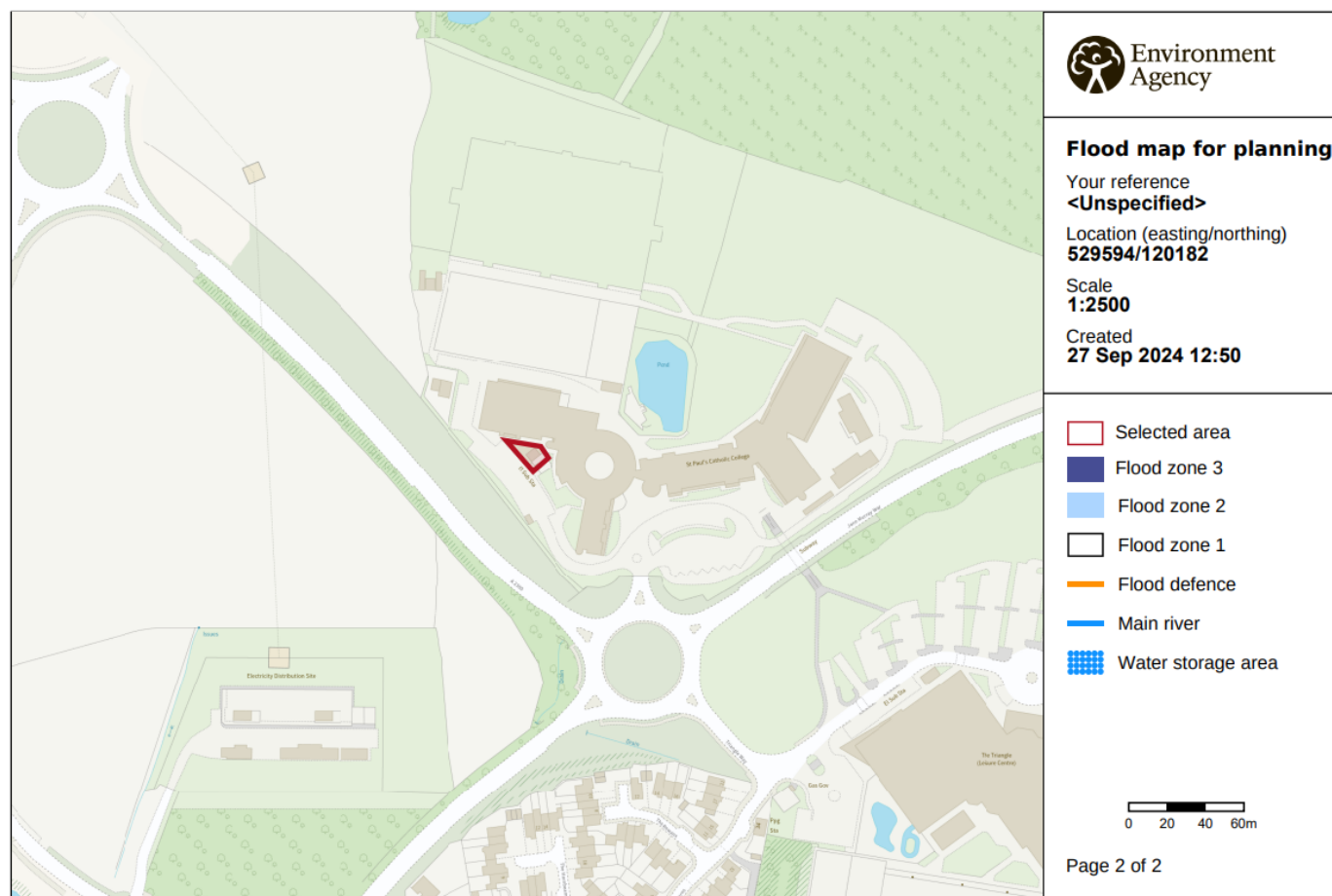
### Notes

The flood map for planning shows river and sea flooding data only. It doesn't include other sources of flooding. It is for use in development planning and flood risk assessments.

This information relates to the selected location and is not specific to any property within it. The map is updated regularly and is correct at the time of printing.

Flood risk data is covered by the Open Government Licence **which** sets out the terms and conditions for using government data. <https://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/>

Use of the address and mapping data is subject to Ordnance Survey public viewing terms under Crown copyright and database rights 2022 OS 100024198. <https://flood-map-for-planning.service.gov.uk/os-terms>



No changes are proposed to the existing flood risk to the building. No alterations are proposed.

The site is not noted to be within the three current conservation areas of Burgess Hill being, Silverdale Road and Birchwood Grove Conservation area. The St John's Conservation area and Fairfield Conservation area.

The school is approximately 20 years old and is not classified as having a listing status

### 2.2 Use

The use of the building will remain as existing: Education.

No other use for the property is known and it is believed to have always been constructed for the purpose of education. The building since its construction has been used as a school.

### 2.3 Amount

The proposal it is for the installation of 4Nr Air Source Heat Pump units.

It has not got any implications on increase of floor area and the building footprint will remain as existing.

### 2.4 Layout

The layout of the school buildings will remain as existing.

The air source heat pump design and enclosure has taken account of the following items during the design stage:

- Existing Space.
- Existing aesthetics – acoustic housings will be used. The housing is specific to the site and decibel levels contained within the acoustic report and will be fully designed prior to manufacture.
- Streetscape – ensuring the units are not near the front of house areas.
- The existing and proposed noise levels and locations.
- The existing fire strategy and evacuation routes.
- The existing car parking space and suitable air source housing locations.
- The external areas as per the building proposed air source heat pump housing location plan, will not have a significant effect on the school's current or proposed operations.
- The air source heat pump locations have been recommended for acoustic housings as per the appended report. The housing will be provided to limit noise levels to the existing classroom spaces. It should be noted that the actual noise output level has been noted as lower than the surrounding acoustics and should cause no concerns for the local residents within the area.
- The acoustic housings will further reduce the noise levels which are already expected to be lower than the surrounding daytime operations within the immediate area.
- There will be no effect on the local community or current school operations.
- There will be no effect on the school or wider surrounding traffic infrastructure or traffic plan.

### 2.5 Scale

The proposed new units will be slightly larger than the ones previously approved. The height of the proposed enclosure will remain as per the approved proposal.

In addition, the proposal will not have any impact on the scale or volume of the school buildings.

### 2.6 Landscaping

The present application has minimal implications for garden areas and landscaping. A new timber fencing is proposed to provide an enclosure to the units.

### 2.7 Appearance

It is proposed a new 2m high acoustic enclosure and gates to the ASHP units.

## 3 Access Statement

Accessibility will remain as existing and will not be affected by the proposed works.

## 4 Conclusion

The works will be to install new air source heat pumps in a single location being adjacent to the existing plant room. Locations for the air source heat pump systems, designed for the requirements to connect to existing service locations, boiler rooms, available space and retaining play areas, to alleviate any views from the road street and accounting for the sound near classroom areas.

The closest domestic residence to the proposed siting of the air source heat pumps is approximately 170 metres away on the Rowans.

## **Appendix A: Architectural drawings**

## **Design** and Access Statement

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Hazard Identification - General

### Architectural Drawings:

P231441-BA-A1-00-DR-A-2000 SITE LOCATION PLAN

P231441-BA-A1-00-DR-A-2001 BLOCK PLAN

P231441-BA-A1-XX-DR-A-2002 PROPOSED ASHP INSTALLATION

## Appendix B: Photographs

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*Proposed location, adjacent to plant room and Sub Station*

