Design & Access Statement

Proposal for New Heat Pumps & PV Panels

Newsome Academy,
Castle Ave,
Newsome,
Huddersfield,
HD4 6JN

Contents

1.0 Introduction

1.1 This document has been prepared to support the Planning Application made by Eddisons Commercial Ltd, on behalf of Impact Multi Academy Trust for a replacement of an internal gas system to a new Air Source Heat Pump and Roof Mounted PV panels for Newsome Academy

1.2 This statement brings together all the supporting information submitted as part of the planning application. The statement seeks to provide a summary and overall understanding of the design concept and vision for this proposal.

2.0 The Site: Location and Context

2.1 The application site outlined in Blue line showing the location of the school that site lies on Castle Avenue, which itself is in Huddersfield. The Red line indicates the area of works and access to the works for the new external heat pumps.

2.2 The site lies on Castle Avenue, which is a primary road. The site is boarded by residential properties to the North and West, with open green space to the East with the neighbouring property of Newsome Junior Academy.

2.3 Vehicle and pedestrian access is via the front entrance of Castle Avenue, which leads to a hard surfaced car park.

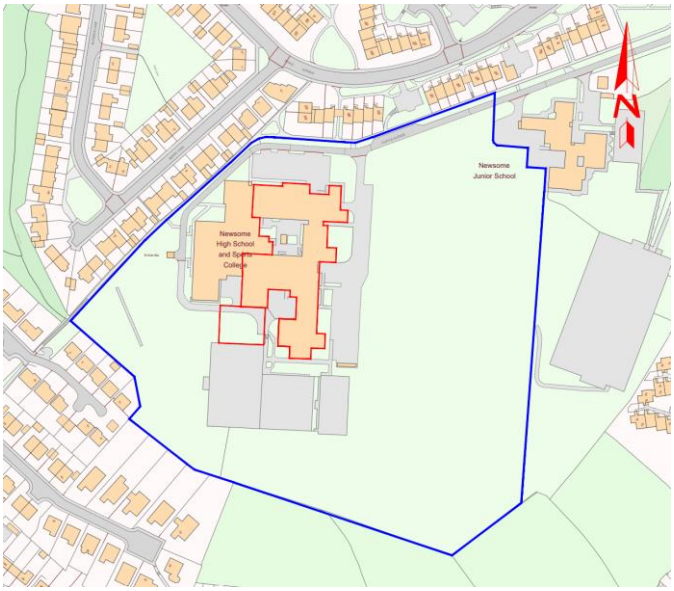

Image 1 – OS Extract Site Location NTS

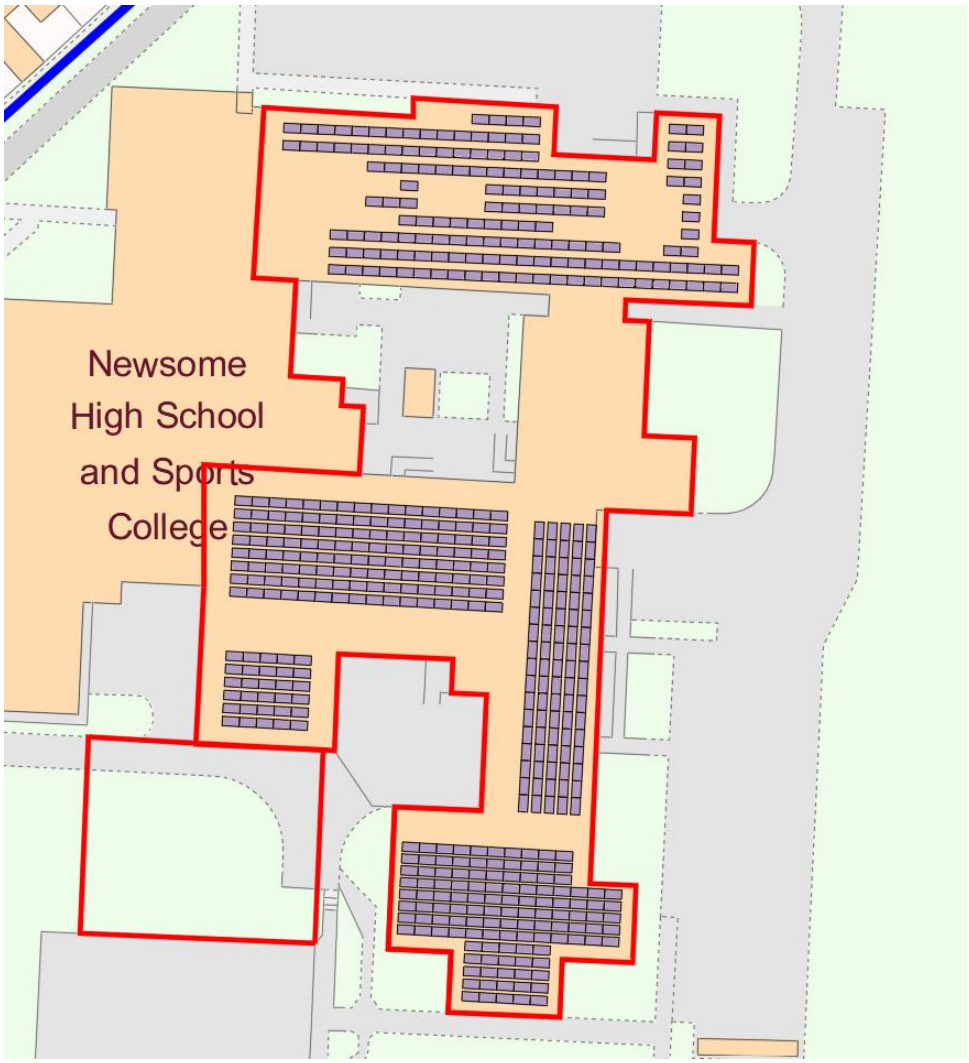

Image 2 – Proposed Roof Mounted PV Panels NTS

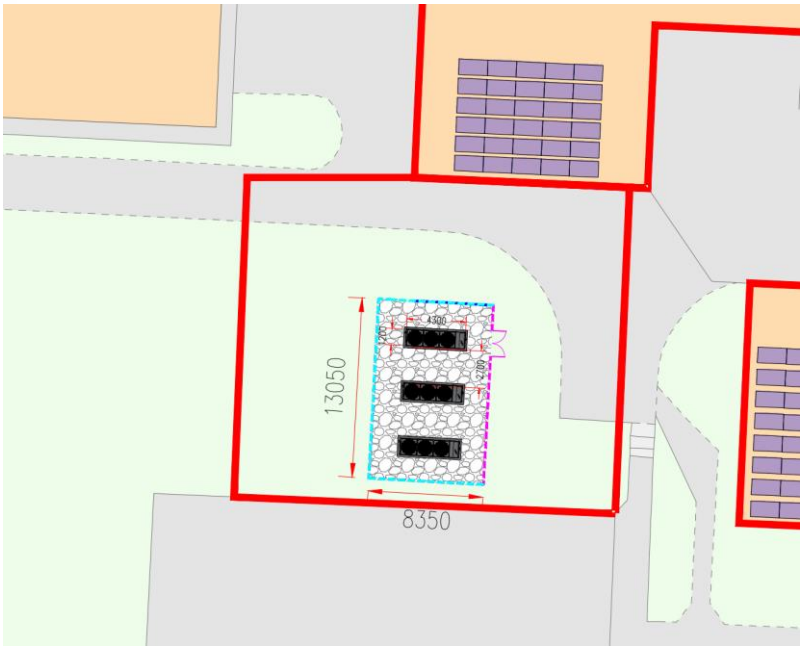

Image 3 – Proposed New External Plant & Fencing Location NTS

3.0 Background & Planning History

Newsome Academy has changed and expanded since its original construction in line with evolving educational needs and numbers.

3.1 Planning History

Planning application details|Erection of single-story dance studio | Kirklees Council
Application number 2003/48/93153/W3 | Decision GRANTED

Planning application details |0.3M antenna for radio housing | Kirklees Council
Application number 2002/N/90625/W3 | Decision DETAILS APPROVED (TELECOMMUNICATIONS)

Planning application details | Infill Extension | Kirklees Council
Application number 2001/48/90535/W3 | Decision GRANTED
Planning application details |3000MM Fencing | Kirklees Council
Application number 2003/48/94350/W3 | Decision CONDITIONAL FULL PERMISSION

4.0 Design & Appearance

4.1 Amount and Scale

The proposal includes the installation of 3 new Air Source Heat Pump units. The proposal includes 2.5m acoustic fencing to 3 sides of the enclosure with 2.5m high hit & miss fencing to the remaining enclosure, along with a maintenance gate to the acoustic fencing side. The structure will be capped with a steel safety mesh roof for enhanced security and protection. Additionally, the proposal also includes the installation of 511 x LR5-66HTH-525M (v2) PV Panels on the North Face Roof.

4.2 Layout

The proposed heat pump units will be positioned to the South Elevation of the school while the Roof Mounted PV Panels will be installed to the North Facing Elevation of the school.

4.3 Landscape & Ecology

There are no landscaping works taking place as part of this application. The only additional works is that of a new fence and access enclosure on a raised concrete plinth / base area.

There will be no impact to the local ecology as the proposed units are a replacement for the existing internal gas plant. Likewise, there will be no impact to the local trees and vegetation.

4.4 Appearance

The proposal includes for 3No. new Clivet WiSAN-YEE1 75.4 heat pump units. The selected heat pump dimensions are 4300mm in length, 1200mm in width and 1900mm in height. The heat pumps will be installed to meet manufacturer specifications regarding spacing and the minimum required space for safe operation.

The WiSAN-YEE1 75.4 Heat Pumps will be located to the South Elevation. The proposal includes 2.5-meter-high acoustic fencing for 50% of the enclosure for the ASHP units. The other 50% is to be regular security fencing, completed with a gate for maintenance access. This will be topped by a steel safety mesh roof to be installed across the entire enclosure.

The proposal includes 511 x LR5-66HTH-525M (v2) 1500V PV Panels. The selected PV Panel dimensions are 2094mm in length and 1134mm in width.

Image 4 - Typical Heat Pump

4.5 Access

All existing vehicular and pedestrian access arrangements will be unaffected by the proposals.

5.0 Flood Risk Assessment

The risk of flooding will not be increased due to the proposed works. Therefore, no measures to reduce flooding are required within this application.

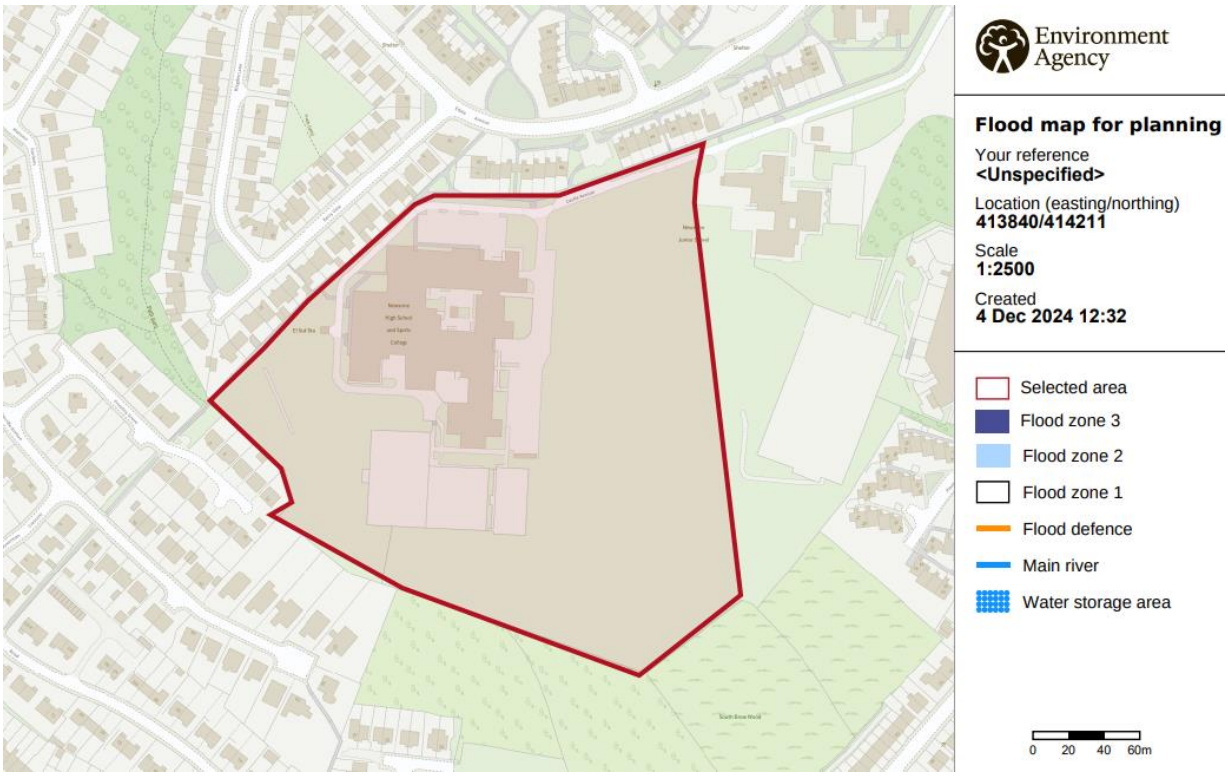

Image 5 – Flood Zone Map (Environment Agency)