

Introduction

BAM Construction have been appointed by the Department for Education (DfE) through their School Rebuilding Programme (SRP) to redevelop Penketh High School. SRP is the DfE's national programme of works for major rebuilding and refurbishment projects at schools and sixth-form colleges based on existing condition needs. The team have been working through the feasibility and design development stages to provide Penketh High School with modern new facilities which will support excellent educational delivery and community use within Warrington. BAM Construction are aiming to submit a Planning Application in October/ November 2026 and as part of this process we are consulting with neighbours, community groups and wider stakeholders to hear your views on the proposals.

These presentation boards provide an overview of the planned development. Contact details for our Planning Consultant, Tetra Tech, are shown at the bottom should you wish to provide us with your feedback.



Opening Message from the School and Trust

We are delighted by the prospect of creating a new school building that will provide the young people of our community with the modern, high-quality facilities they deserve. Our staff and pupils have worked tirelessly in partnership to drive improvement across the school, resulting in our best-ever examination outcomes this year for the third consecutive year. These achievements are a testament to the commitment, ambition and resilience of our school community.

Importantly, this success has been achieved despite the limitations of our current facilities. We now believe the time is right for our learning environment to reflect the quality of education being delivered within it. Modern, purpose-built facilities will not only enhance the learning experience for current pupils but will also support further improvement, enabling us to continue helping young people reach their full potential and secure lifelong success.

As a school, we are deeply passionate about serving our local community. Investment of this scale represents a significant opportunity, not only for the school but for the wider area. We hope this development will create a facility that supports both education and community engagement, providing a source of pride for local residents and a lasting legacy for generations to come. Together, we can create a place that the whole community can be proud to call its own.

John Carlin
Headteacher - Penketh High School

The Challenge Academy Trust is delighted to welcome you to this public consultation on the exciting plans for the new Penketh High School which involves a complete rebuild for the whole school. This significant investment through the Department for Education's School Rebuilding Programme represents an important opportunity to create a modern, inclusive and inspiring learning environment for current and future generations.

As a Trust, our mission is to serve, challenge and empower the educational community, with educational excellence, inclusivity and social justice, collaboration, service, sustainability and celebrating difference at the heart of our work. Penketh High School shares this ambition: to nurture, challenge and inspire every young person to achieve the very best for themselves and for the community they are part of.

The new school will support that vision by creating welcoming, accessible and sustainable facilities that strengthen teaching and learning, wellbeing and opportunities for wider community use. Penketh High School has an important place within its local community, and we want the rebuilt school to be a source of pride and opportunity for pupils, families, neighbours and future generations. We value the views of our pupils, families, neighbours and wider community and encourage you to explore the proposals and share your feedback as we take this important project forward.

Andy Moorcroft
CEO - The Challenge Academy Trust

Planning

BAM are looking to submit a planning application for the development proposals to Warrington Borough Council in October/November of this year. As part of the planning process, the project team have been engaging with the local planning authority at the Council. Initial design proposals were first discussed with the Council in early 2026. The Council's comments and requirements have been taken on-board as the scheme has evolved and have helped to inform the design.

As part of the planning application submission, the Design Team will need to demonstrate how the scheme will be compliant with planning policy. In agreement through dialogue with the Council, the following suite of drawings and technical documents will be submitted to support our planning application.

- Suite of Planning Drawings
 - Phasing & Demolition Strategy Plans
 - Landscape Plans
 - Design & Access Statement
 - Planning Statement
 - Transport Statement
 - Travel Plan
 - Ecology Survey Reports

- Biodiversity Report
 - Arboricultural Impact Assessment
 - Noise Impact Assessment
 - Construction Environmental Management Plan
 - Lighting Strategy
 - Flood Risk Assessment & Drainage Strategy

- Land Contamination Assessment
 - Sustainability Strategy
 - Statement of Community Involvement

Following receipt of the planning application the Council will undertake their own statutory three-week consultation period, with further opportunity provided for members of the public to provide comments on the submitted proposals. The full package of supporting documents will be made publicly available to view through the Council's website once the application has been validated by the Council. The project team are targeting for the planning application to receive a decision from the Council in early 2027.

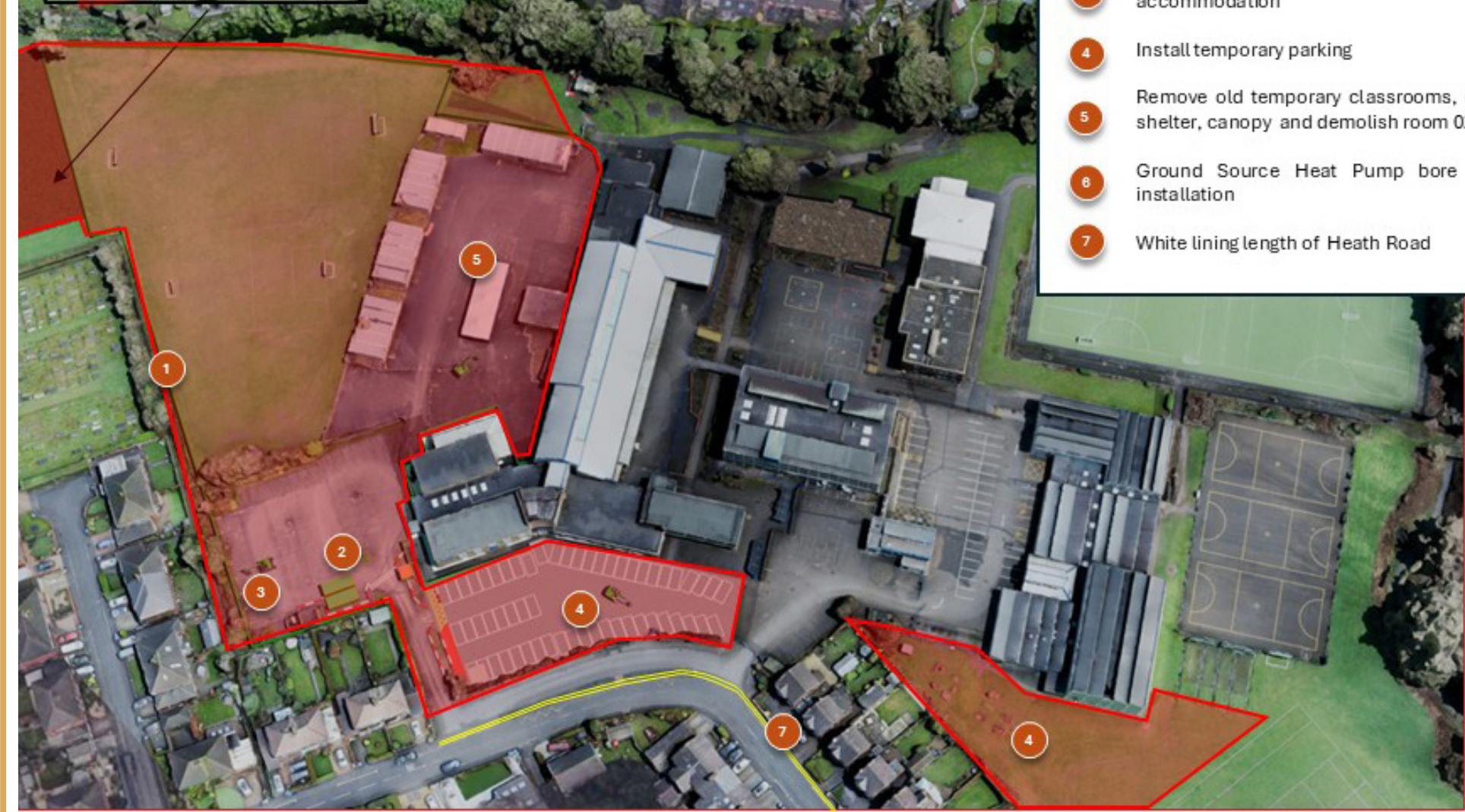
Timeline

Initial development of proposals	March 2026 to September 2026
Pre-application engagement with Authorities	June/July 2026
Local engagement	28th Sept to 11th Oct 2026
Submit planning application	October 2026
Period for consideration	14 January 2027
Target planning decision date	January 2027
Start of construction	Summer 2027
New school building opens	Academic year 2028/29
Completion of works	Spring 2030

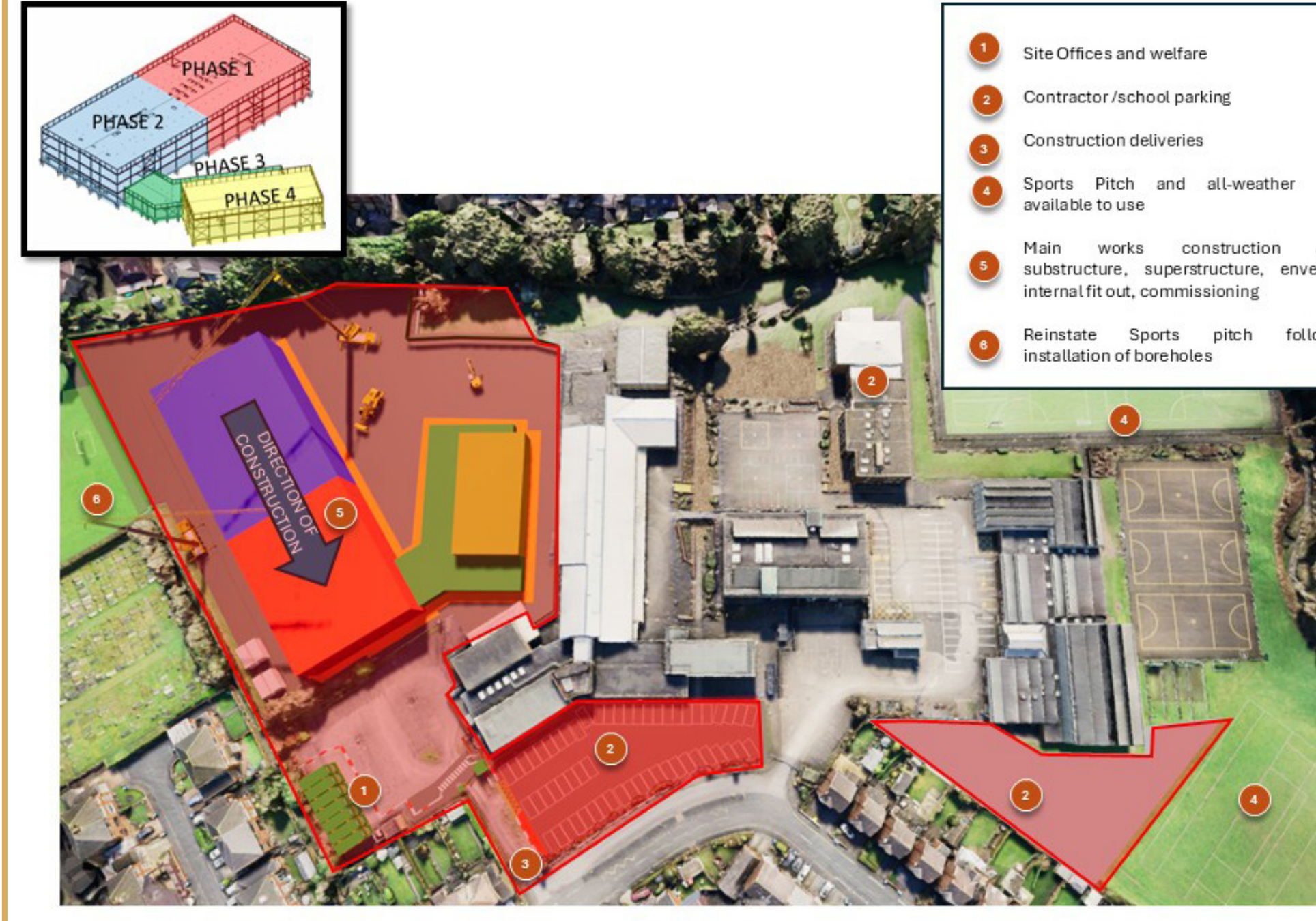
Option 01 - Access from Heath Road



BAM are considering two options for temporary construction access during the new build phase. The first option is off Heath Road via the schools existing vehicle access gateway and the second option is from St Mary's Road through a newly formed access point which would be reinstated after the works have been completed. Discussions are ongoing with stakeholders to agree the optimum solution prior to submitting a Planning application. We would welcome your feedback on both options.



- 1 Construction area perimeter solid metal panel hoarding, and gates.
- 2 Initial self-contained welfare and site office for first four weeks
- 3 Install foundation and permanent site accommodation
- 4 Install temporary parking
- 5 Remove old temporary classrooms, cycle shelter, canopy and demolish room 027
- 6 Ground Source Heat Pump bore hole installation
- 7 White lining length of Heath Road



- 1 Site Offices and welfare
- 2 Contractor/school parking
- 3 Construction deliveries
- 4 Sports Pitch and all-weather pitch available to use
- 5 Main works construction area, substructure, superstructure, envelope, internal fit out, commissioning
- 6 Reinstatement Sports pitch following installation of boreholes



- 1 Relocate construction area perimeter solid metal panel hoarding, and gates set back with visibility splays
- 2 Relocate reduced welfare and site offices for Phase 2 works
- 3 Demolish existing school buildings and grub up foundations, old drainage and slabs
- 4 School car park in use for staff and deliveries
- 5 New school Building in use
- 6 All-weather pitch remains in use
- 7 Construction access



- 1 Construction area perimeter hoarding pushed out locally to allow soft landscaping to be completed
- 2 Installation of new car park
- 3 Installation of new MUGA pitch
- 4 Installation of new footbridge
- 5 Creation of new sports pitches
- 6 School car park in use for staff and deliveries



- 1 New Site compound
- 2 Contractor Parking
- 3 Removal of temporary car park and reinstate soft landscaping
- 4 Install temporary fencing to grass sports pitch areas for 1-year maturation period
- 5 Complete works to front entrance
- 6 Pitch available for use



- 1 DECANT SITE
- 2 New Pitches available for use October 2030

Option 02 - Access from St Mary's Road



CONTRACTOR
AND SUPPLIER
PARTNER

CONSIDERATE
CONSTRUCTORS
SCHEME

BAM will register the project with the Considerate Constructors Scheme. BAM is committed to delivering our works in a manner which is clean, safe, environmentally conscious, and respectful of the local community, causing as little inconvenience as possible. We aim to be a good neighbour for the duration of our construction works, working with the community to leave a positive legacy.

In 2024, BAM's average score for Considerate Constructors Scheme audits across 50 sites was 43.72 out of 50, compared to the industry average of 40.7. In 2025 we scored an average of 43.51 across 55 sites, against an industry average of 40.85. This demonstrates our commitment to being a considerate and sustainable contractor, as well as a good neighbour.



- 1 Create new BAM access from St Marys Road and site access road
- 2 Construction area perimeter solid metal panel hoarding, and gates
- 3 Initial self-contained welfare and site office for first four weeks
- 4 Install foundation and permanent site accommodation
- 5 School Staff Parking
- 6 Remove old temporary classrooms, cycle shelter, canopy and demolish room 027
- 7 Ground Source Heat Pump bore hole installation
- 8 Public right of way remains in use for duration of works



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- 7 Ground Source Heat Pump bore hole installation
- 8 Public right of way remains in use for duration of works



- 1 Completion of new school, car parks and external works
- 2 Decant of furniture from old school to new school
- 3 Move Site offices and Welfare (reduced)
- 4 Access remains off St Marys road for School staff
- 5 Public Right of way remains in use



- 1 Relocate construction area perimeter solid metal panel hoarding, and gate
- 2 Relocate reduced welfare and site offices for Phase 2 works
- 3 Demolish existing school buildings and grub up foundations, old drainage and slabs
- 4 School car park in use for staff and deliveries
- 5 New school Building in use
- 6 All-weather pitch remains in use
- 7 Construction access



- 1 Construction area perimeter hoarding pushed out locally to allow soft landscaping to be completed
- 2 Installation of new car park
- 3 Installation of new MUGA pitch
- 4 Installation of new footbridge
- 5 Creation of new sports pitches
- 6 School car park in use for staff and deliveries
- 7 School staff parking



- 1 Install OASIS BAM cabins
- 2 Removal of temporary car park, reinstate pitch and perimeter hedging and fencing
- 3 School Parking relocated to new school car park
- 4 School use of new MUGA pitch
- 5 New sports pitch

External Sport Provision

External Provision - Summary

The landscape proposals retain and enhance the school’s significant sports offer:

- Winter only**
- 1

Football pitch U15/U16 - 99 x 50m (105 x 56m including run off) (Existing retained).
- 2

Football pitch U13/U14 - 82 x 50m (88 x 56m including run off)
- 3

Rugby Pitch 100 x 55m (Existing retained).
- 4

Five a side grass pitch, 45 x 30m with 3m runoff / Grid training 45 x 40m
- Summer only:**
- 1

200m Athletic Track (6 lane)
- 1

100m straight sprint track (6 lane)
- 5

Long Jump and triple jump sand pit (Existing retained).
- All Year:**
- 6

All Weather Grass football pitch U15/U16 - 91 x 55m (97 x 61m including run off)
- 7

Multi Use Games Area (MUGA) hard court comprising:
3 no. court Netball and Tennis.
Netball SE size 30.5 x 15.25. With 1.5m to outer sides and 2m run off areas between courts, and 2ms to either end of courts.
- 8

4 no. cricket nets (Existing retained)
- 9

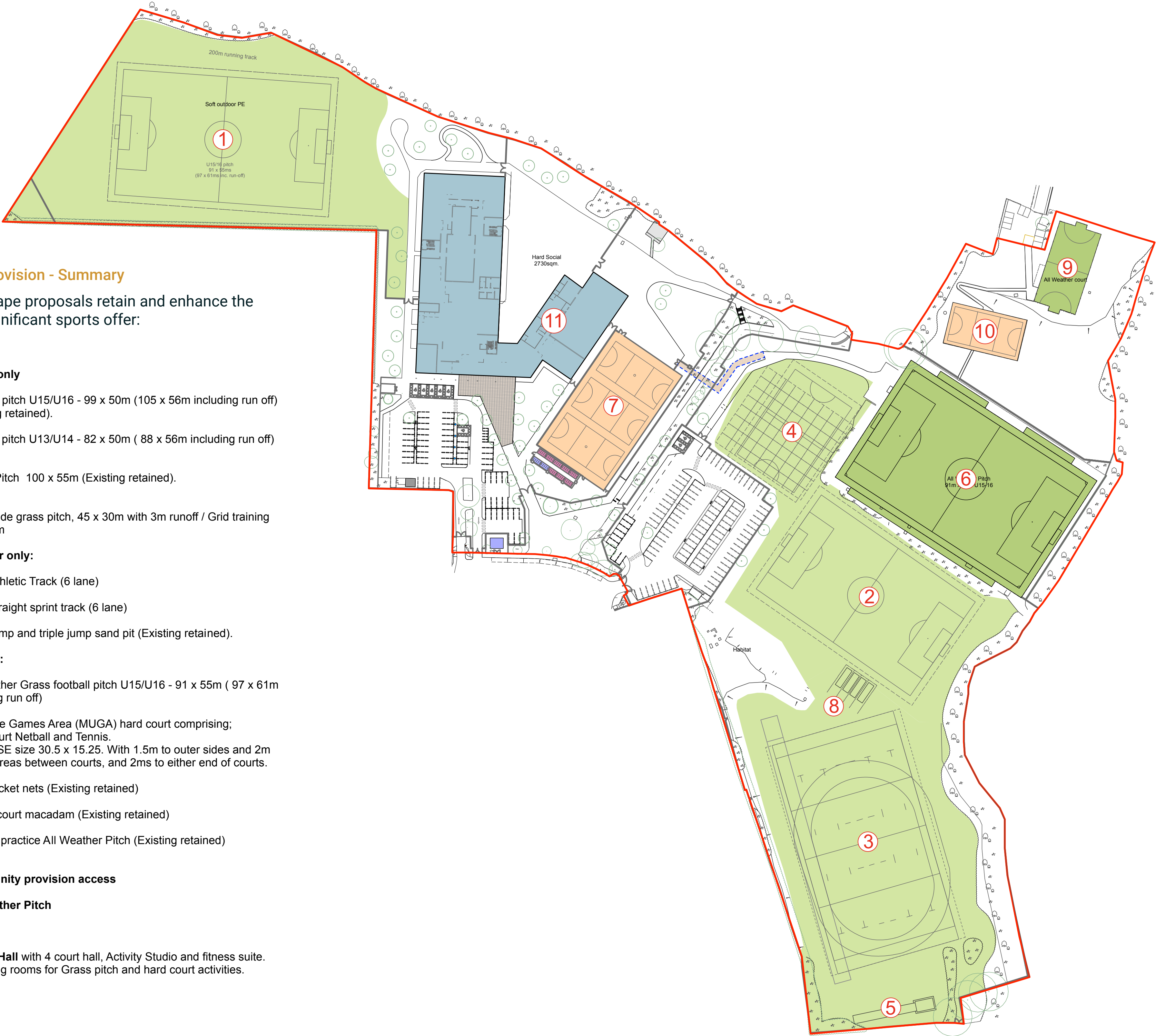
Netball court macadam (Existing retained)
- 10

5 a side practice All Weather Pitch (Existing retained)
- Community provision access**
- 6

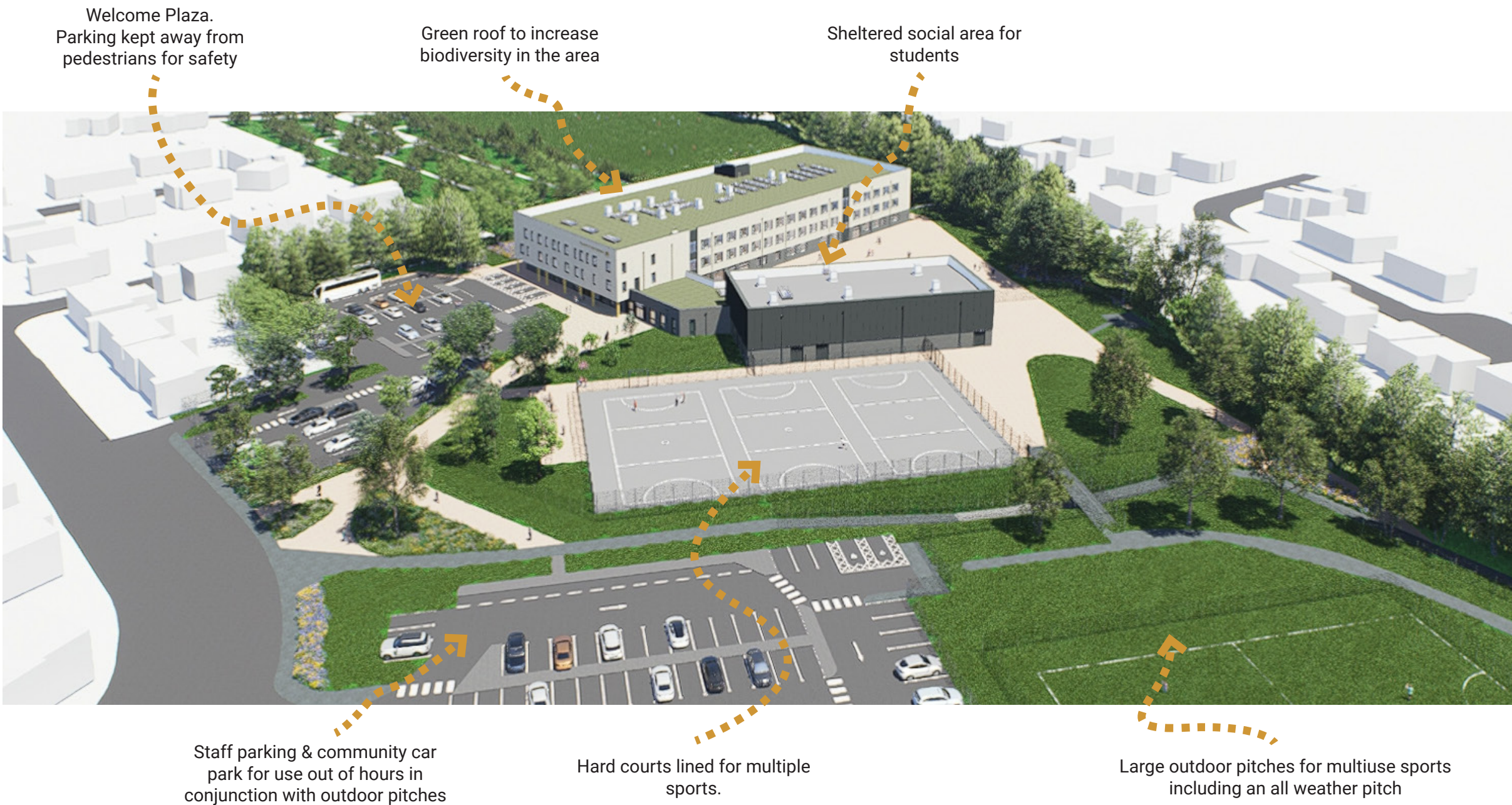
All Weather Pitch
- 7

MUGA
- 11

Sports Hall with 4 court hall, Activity Studio and fitness suite.
Changing rooms for Grass pitch and hard court activities.



Indoor Sports Provision / Community Use



Proposed Layout



Ground Floor Plan (NTS)



Indicative visual of the proposed Main Hall



Indicative visual of the proposed Dining Hall



First Floor Plan (NTS)



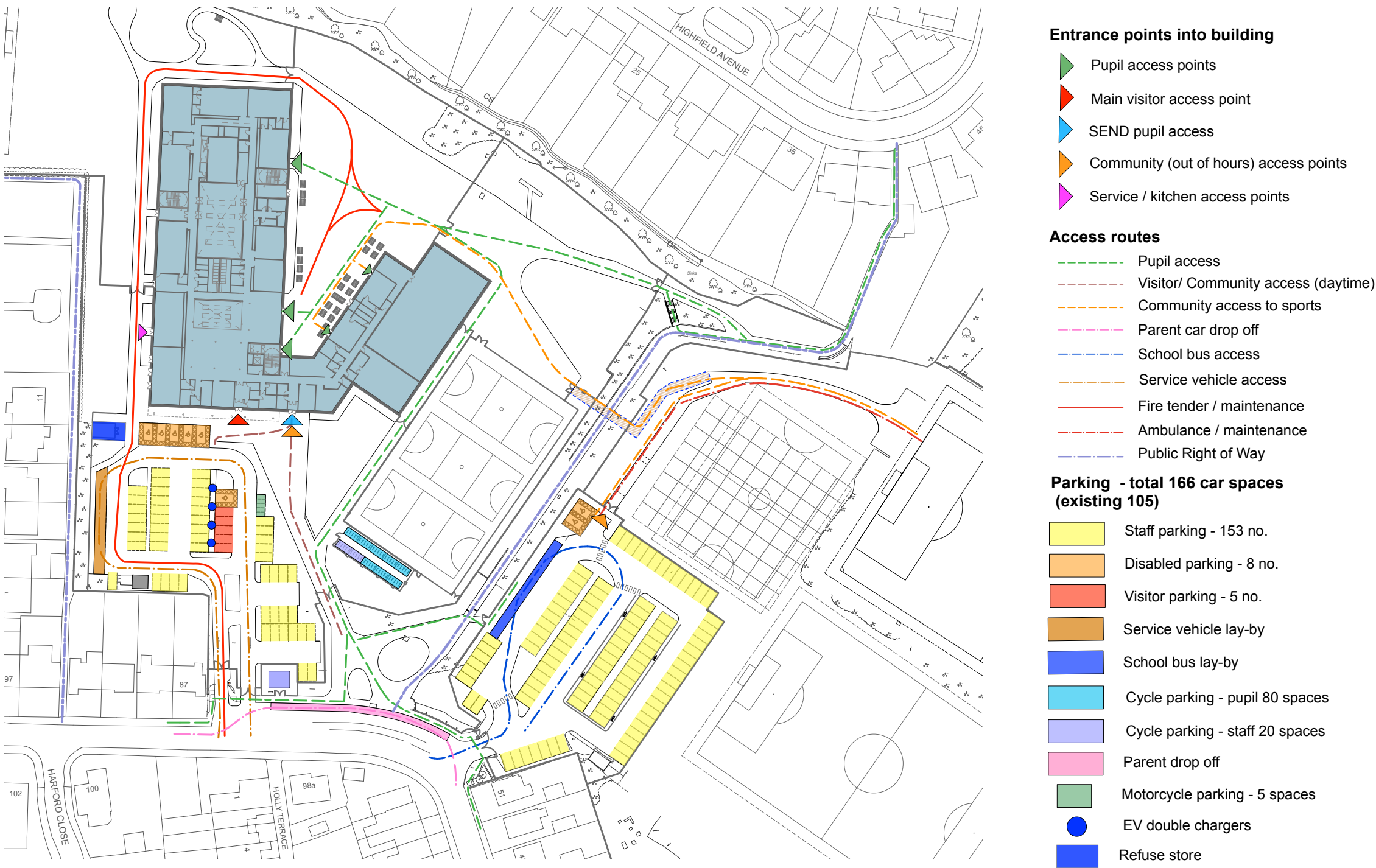
Second Floor Plan (NTS)

Proposed Landscape

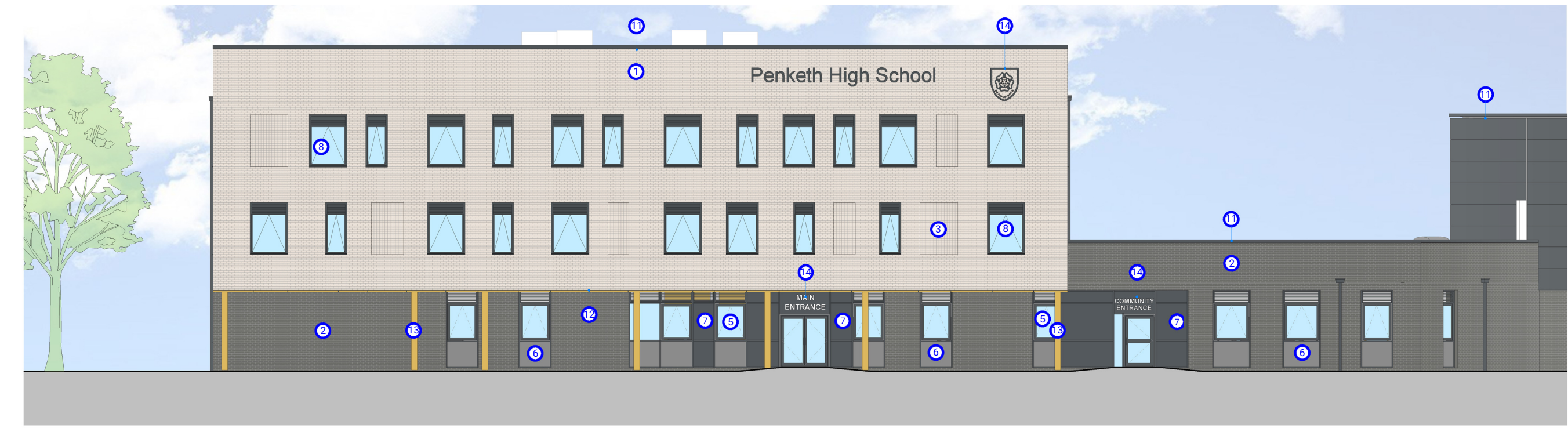


Transport and Access

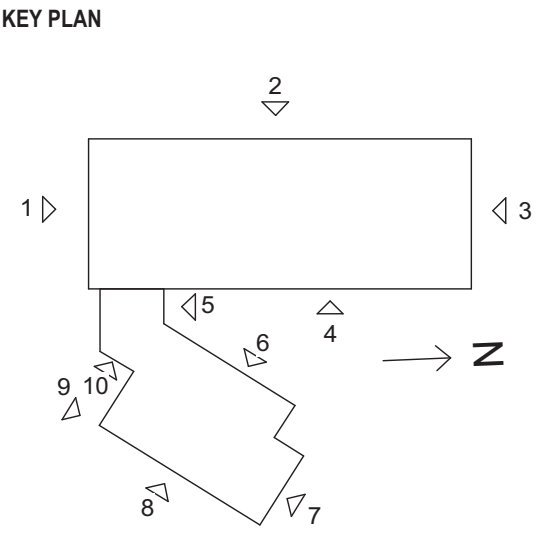
- No anticipated increase in traffic or on-street parking in final scheme.
- Parking in the new development – total of 166 car spaces including 8 accessible bays.
- 1 coach drop off area and 3 community / visitor parking bays.
- Visitor and disabled parking bays provided in close proximity to the new building entrance.
- Secure storage for 10 staff and 110 students bicycles.
- Entrance from Heath Road remains as main vehicle access points to the two car parks.
- New arrival square from Heath Road and clear legible routes to the visitor and pupil entrances.
- Pupil access point from the public right of way through the site retained and enhanced.
- New on-site lay-by for school deliveries.
- Please refer to construction phase board to see how disruption with regards to transport arrangements will be managed and minimised during the construction period.



External Appearance



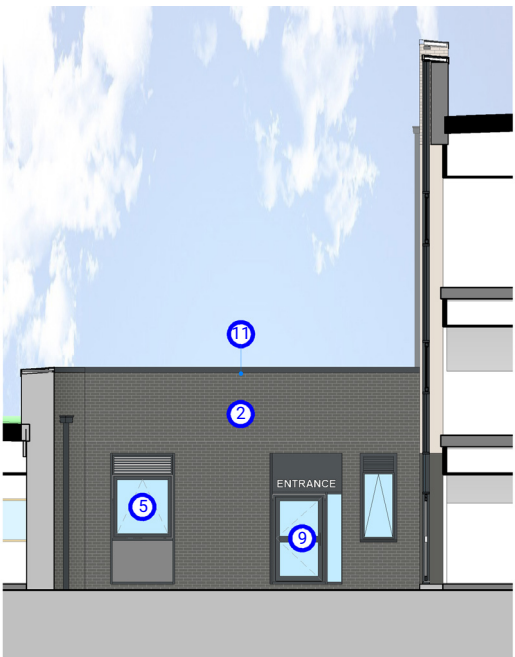
Elevation 01 (NTS)



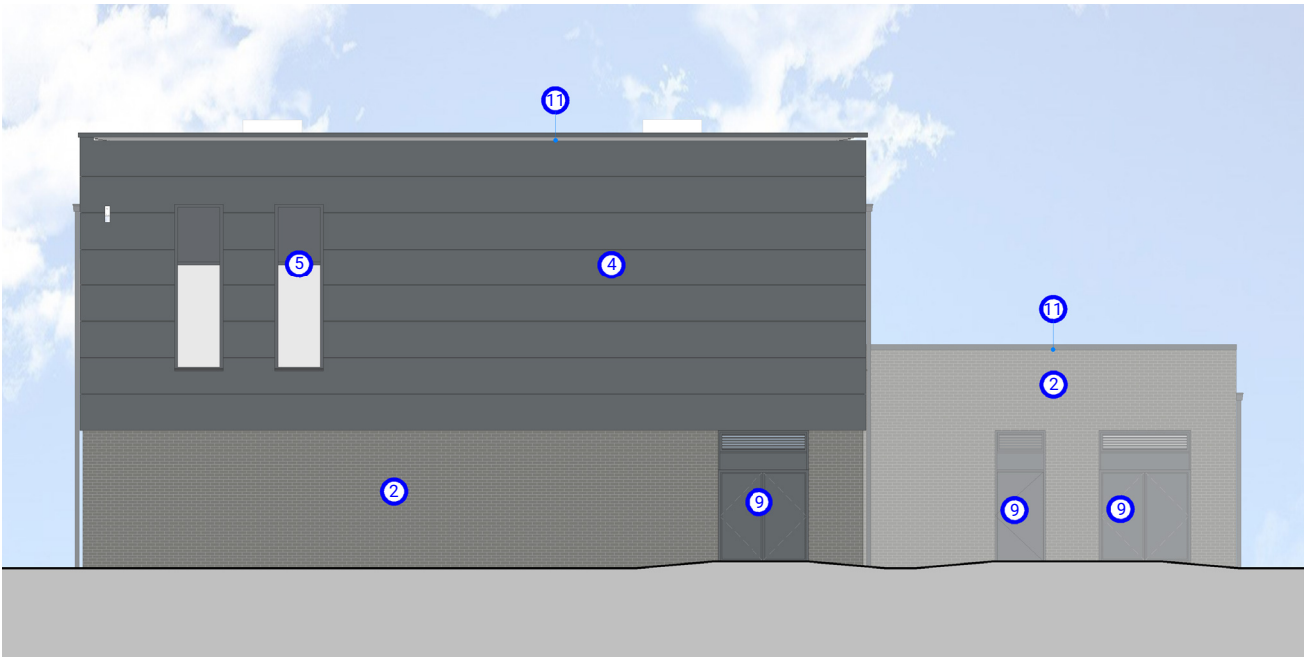
Elevation 02 (NTS)



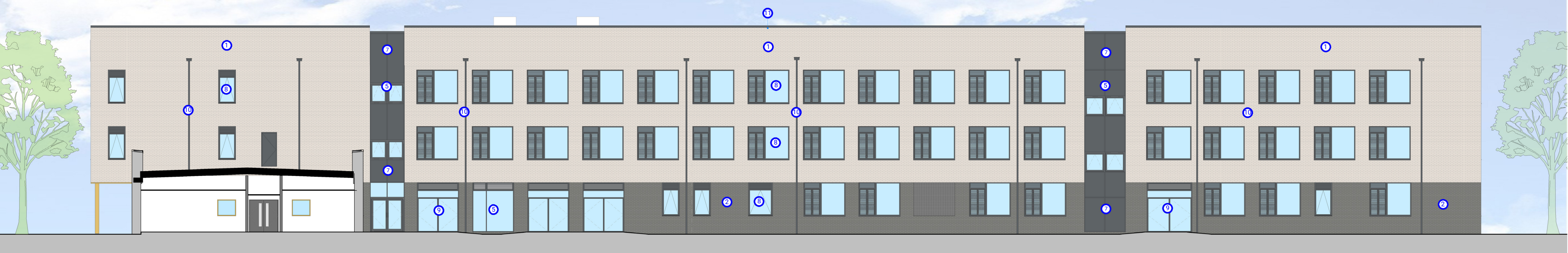
Elevation 03 (NTS)



Elevation 05 (NTS)



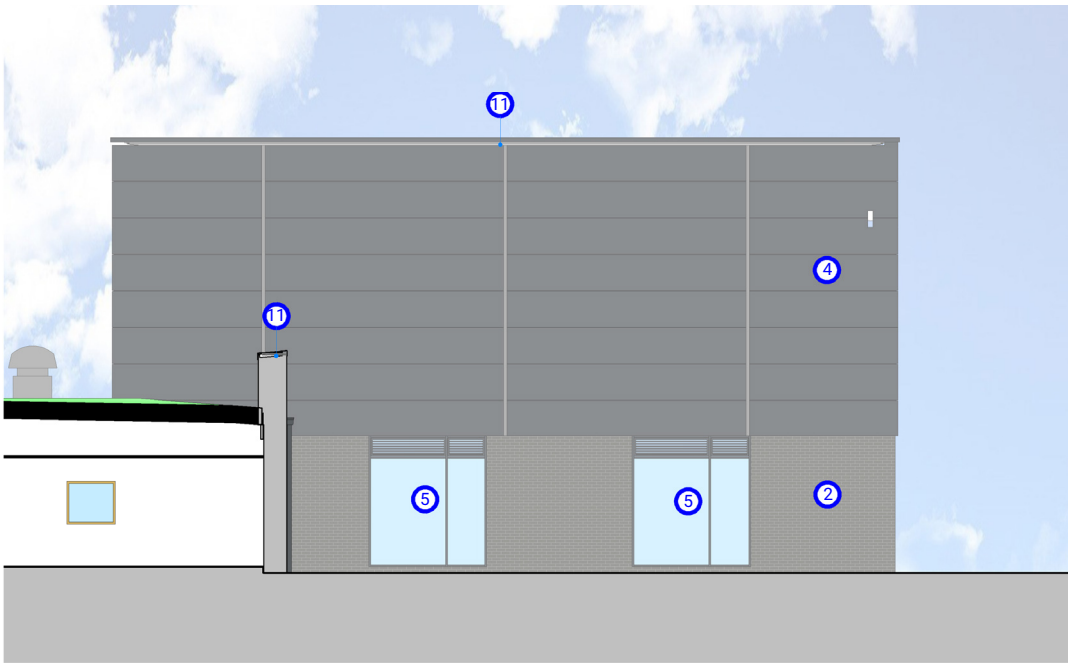
Elevation 07 (NTS)



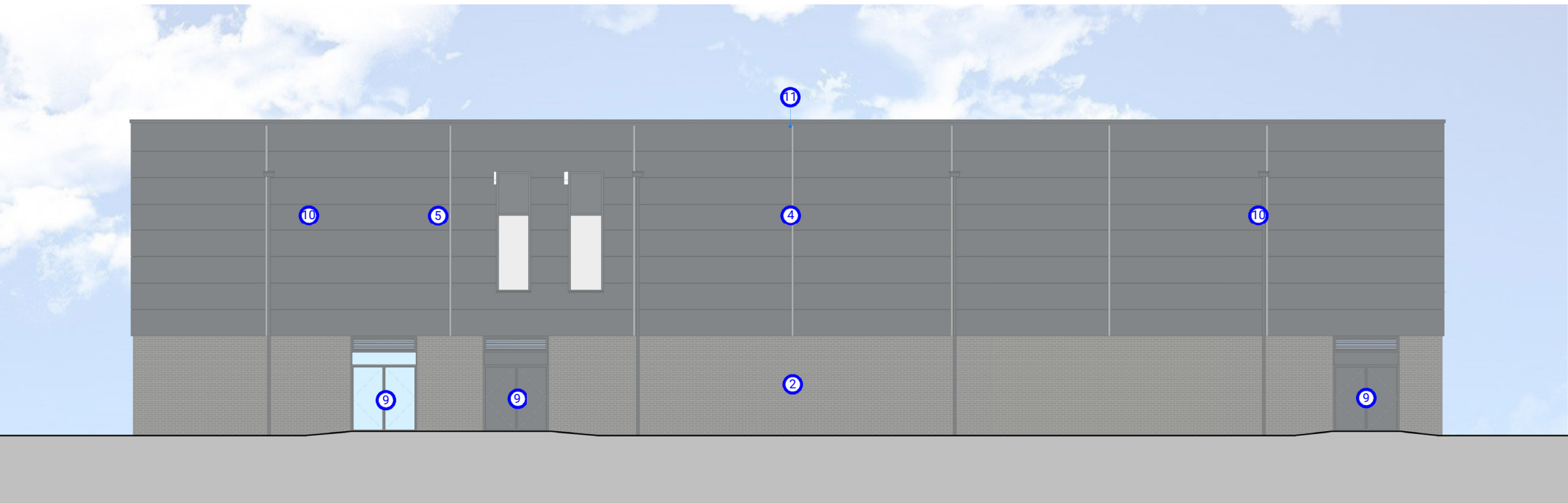
Elevation 04 (NTS)



Elevation 06 (NTS)



Elevation 09 (NTS)



Elevation 08 (NTS)



Elevation 10 (NTS)

MATERIAL KEY	
1	Type A Buff Brick. Bespoke Brick Co. Karma White Grey Handmade (or similar approved)
2	Type B Grey Brick. Bespoke Brick Co. Damascus (or similar approved)
3	Type C Buff Brick/Dark Grey Stack bonded Header (Flush). Bespoke Brick Co. Karma White Grey Handmade (or similar approved) or Bespoke Brick Co. Damascus (or similar approved)
4	Euroclad Europanel F5 Horizontal Cladding. Colourcoat Prisma Slate Grey RAL 7016 (or similar approved)
5	PPC Aluminium Curtain Walling. RAL 7016 (or similar approved)
6	Glazed Frosted Panel (translucent). Colour TBC via specialists samples
7	Glazed Enamel Backed Panel (opaque). Colour TBC via specialists samples
8	PPC Aluminium Windows/ Louvres RAL 7016 (or similar approved)
9	PPC Aluminium External Doors. RAL 7016 (or similar approved)
10	PPC Aluminium Rainwater Goods. RWP - RAL 7016 (or similar approved)
11	PPC Aluminium Copings / Cappings / Flashings. RAL 7016 (or similar approved)
12	PPC Aluminium Cassette Soffit. RAL 1012 Lemon Yellow (or similar approved)
13	Painted steel CHS columns RAL 1012 Lemon Yellow, with external-grade protective coating system (or similar approved)
14	External Stainless Steel Signage.

Mechanical, Electrical and Environmental Strategy

Biodiversity

The development presents the following opportunities to enhance the site for biodiversity and to meet the target of 10% net gain:

- Enhancement of existing woodland to provide habitat for terrestrial mammals, invertebrates and foraging bats;
- Wildflower grassland margins to provide larval food for caterpillars and to attract butterfly and moth species.
- Other measures, such as
 - Installation of nest boxes for species such as house sparrow and bat boxes
 - Creation of deadwood habitat for insects



Whole Life Carbon

A Whole Life Carbon Assessment will be undertaken during Detailed Design stage to identify 'carbon hotspots' and to inform decision making to specify materials to reduce carbon emissions.



Building Management System

The BMS will optimize the building services; sensing, analysing, reporting and trending data on HVAC, lighting, security & cctv, fire & life safety and more to automatically adjust performance and operation.

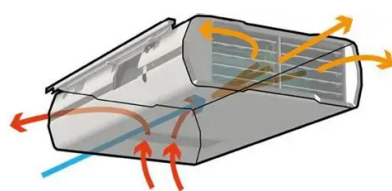
- Ensures energy is used only when necessary.
- Identifies inefficiencies and faults.
- Helps identify opportunities for further carbon and energy reductions as weather and climate activity changes.
- Supports healthier and more productive learning environments.



Waste Heat Recovery

Warm air will be removed from classrooms, halls and offices to keep the building fresh and healthy. Normally, that warm air would be lost outside. The heat recovery system captures this warmth; transferring it to the fresh air coming into the building.

- Reduces the amount of heating required.
- Removes stale air, moisture and pollutants.
- Helps create a healthier environment for students and staff.



Climate Resilience Overheating

A thermal comfort assessment has been undertaken which has informed the design strategies for reducing overheating and maintain optimum temperatures

- Revise the rooflight design to a north-facing sawtooth configuration to reduce solar gains
- Increase the window frame factor
- Specify glazing with a lower g-value
- Increase ventilation rates
- Ensure that rooflights are openable to enhance natural ventilation.



Geothermal Heating

Heat for the building will be generated via a heat pump connected to a ground source borehole array within the grounds of the school.

- Uses renewable thermal energy from the ground
- Significantly reduces carbon emissions compared to traditional gas-fired heating systems
- Long operational lifespan; ground loops often last 50+ years.
- Offers stable performance regardless of outdoor air temperature extremes.



Bio-Solar Roof

PV panels will be mounted extensive across all available and suitable roof area.

- Generates clean, renewable energy with no direct emissions during operation.

Beneath the PV array will be a green roof consisting of plant life compatible with a shaded environment.

- Improves biodiversity by creating habitats for birds, insects, and pollinators.
- Demonstrates environmental stewardship and can engage students in biodiversity projects.



Sustainable Design Summary

Bio-Solar Roof

- Green roof planting beneath the PV array will enhance biodiversity and creates habitats for birds, insects and pollinators.

Ground Source Heat Pumps

- Significantly less carbon emissions compared with traditional gas heating.

Biodiversity Net Gain

- Uses woodland enhancement, wildflower planting, bird and bat boxes, to create habitats for insects and wildlife.

Natural Light Optimisation

- Maximising use of daylight supports student concentration, well-being and learning outcomes.

Heat Recovery Ventilation

- Recovers waste heat from outgoing air and transfers it to incoming fresh air.

Sustainable Drainage and Climate Resilience

- Building design includes measures to reduce overheating and improve resilience to future climate conditions



Flood Risk and Surface Water

A flood risk assessment and drainage strategy will be developed to minimise risk of flooding from the effects of climate change. This will include features such as nature based solutions and permeable landscaping.



Natural Light Optimisation

The design maximises daylighting; The artificial lighting system dims automatically in response to natural light levels measured within the space.

- This will yield significant lighting energy savings, particularly in spaces with large windows or rooflights.
- Lowers carbon emissions associated with electricity consumption.
- Using natural daylight has been linked to improved concentration and learning performance.
- Using natural daylight has been linked to improved occupant wellbeing.



Efficient Artificial Lighting

The artificial lighting has been designed to be energy efficient using long-life LED technology and intelligent occupancy based controls.

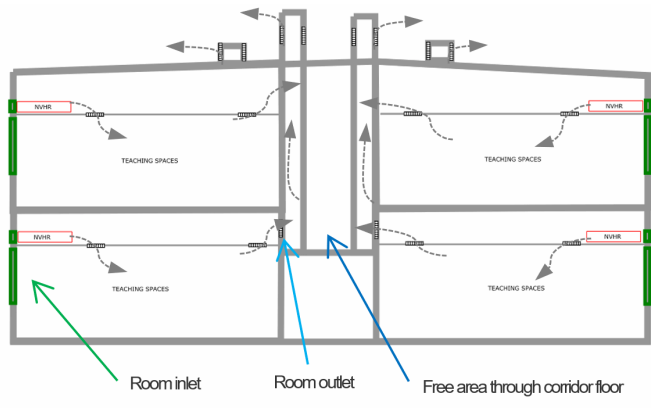
- Absence detection keeps switching manual for flexibility but limits usage of artificial lighting when spaces are not occupied.
- Zonal lighting switches will allow different areas to operate independently, ensuring energy is only used where it is needed.
- Indirect (uplighting) lighting will be used in classrooms create a comfortable learning environment, supporting pupil wellbeing and concentration



Adaptable Ventilation

The building is served by a mixture of ventilation strategies to suit the individual needs of the spaces. Examples include:

- Classrooms - Natural Ventilation Heat Recovery (NVHR) Units combined with ventilation stacks rising to roof level
- Dining rooms, Drama, Central kitchens & Toilet Core - Centralised Air Handling Unit (AHU) with heat recovery capability.
- Sports / Main halls - Roof mounted windcatchers with heat recovery
- Isolated stores and WC's - Local mechanical extract fans



Feedback and Next steps

We would welcome your comments on the school redevelopment proposals. Comments can be provided by completing a feedback survey available at the consultation event, or by completing our online survey. The consultation information and online feedback survey are available at the following web address:

Consultation Web address: Penkethhigh.org/new-school-building-consultation/

Alternatively, you can email or post your comments to the address below:

- C/O Peter Campbell, Planning Team, Tetra Tech, 11 York Street, Manchester, M2 2AW
- Email: consultationpagesUK@tetrattech.com

Closing Date: Sunday 11th October 2026

