

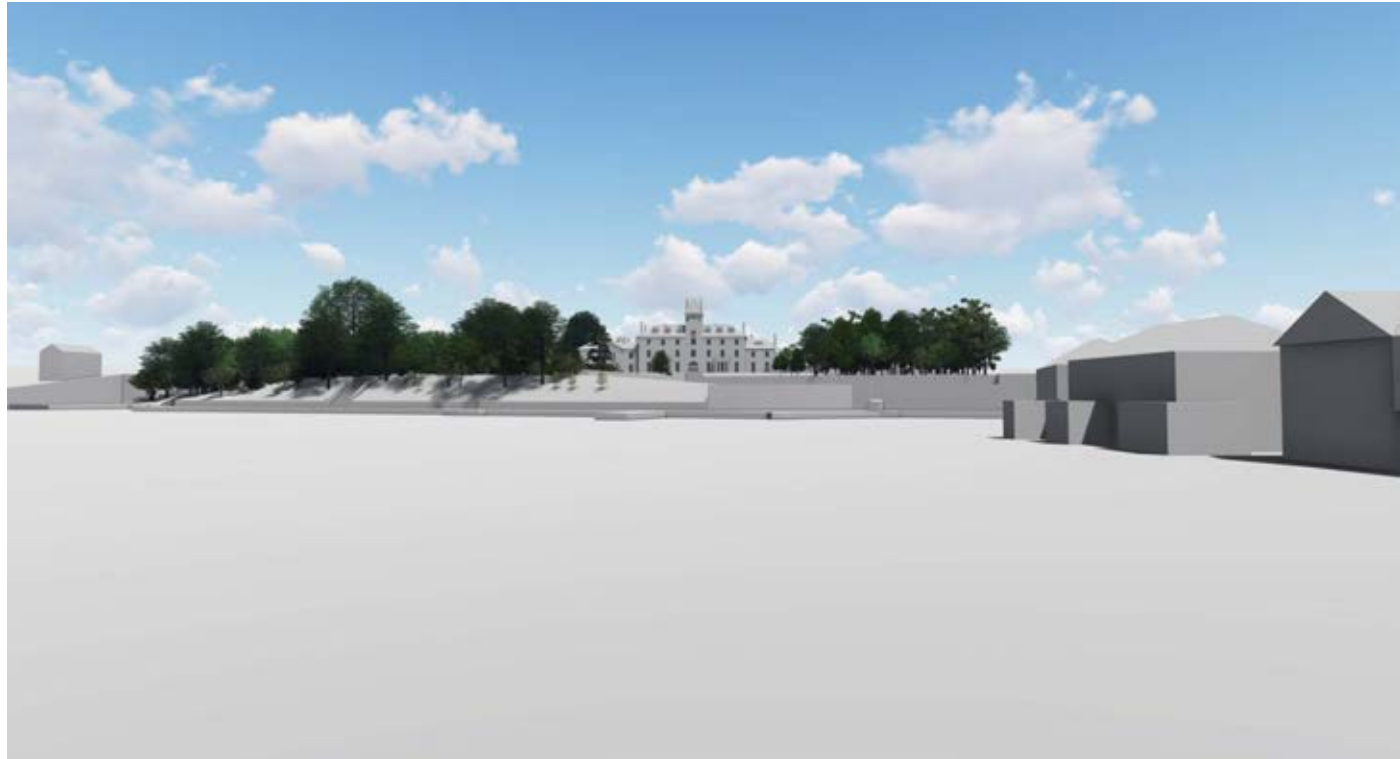
The Hydro and the Existing Site



Site Analysis



Site Photographs



Views of Hydro

Potential Visibility of Hydro from Whetstone Bridge Road

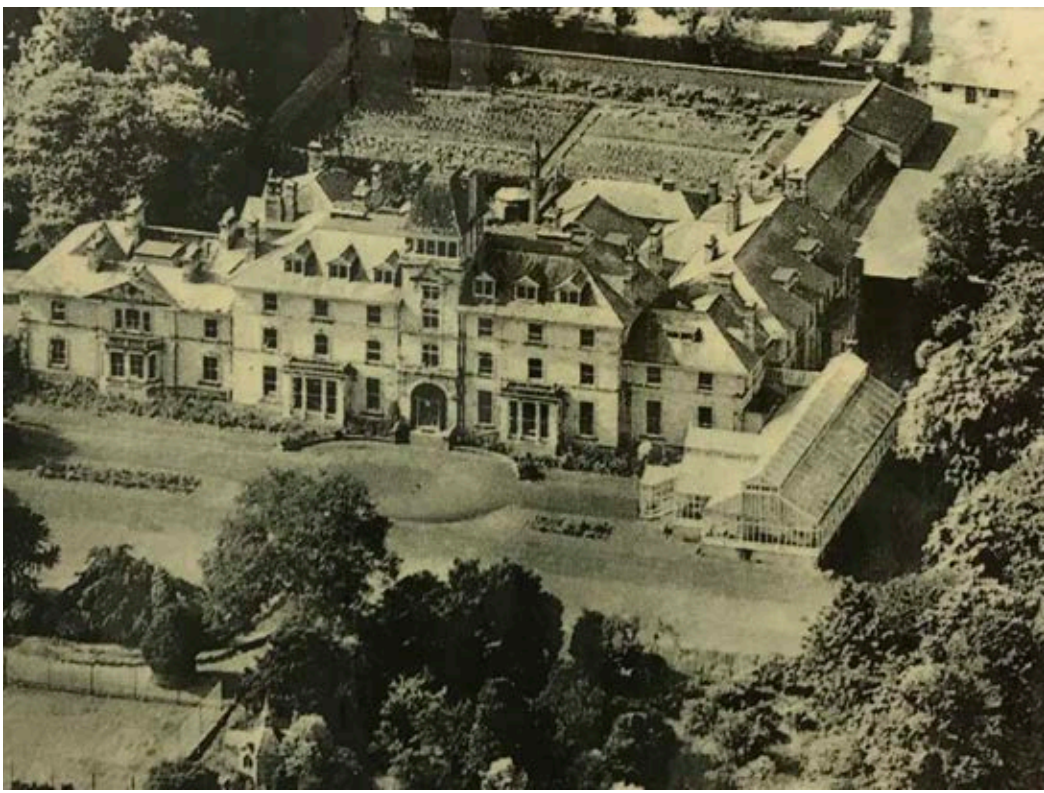


Existing Site Sections

Replacement School Buildings for Hadrian Learning Trust Schools



History of the Hydro and its Setting



Historic Images



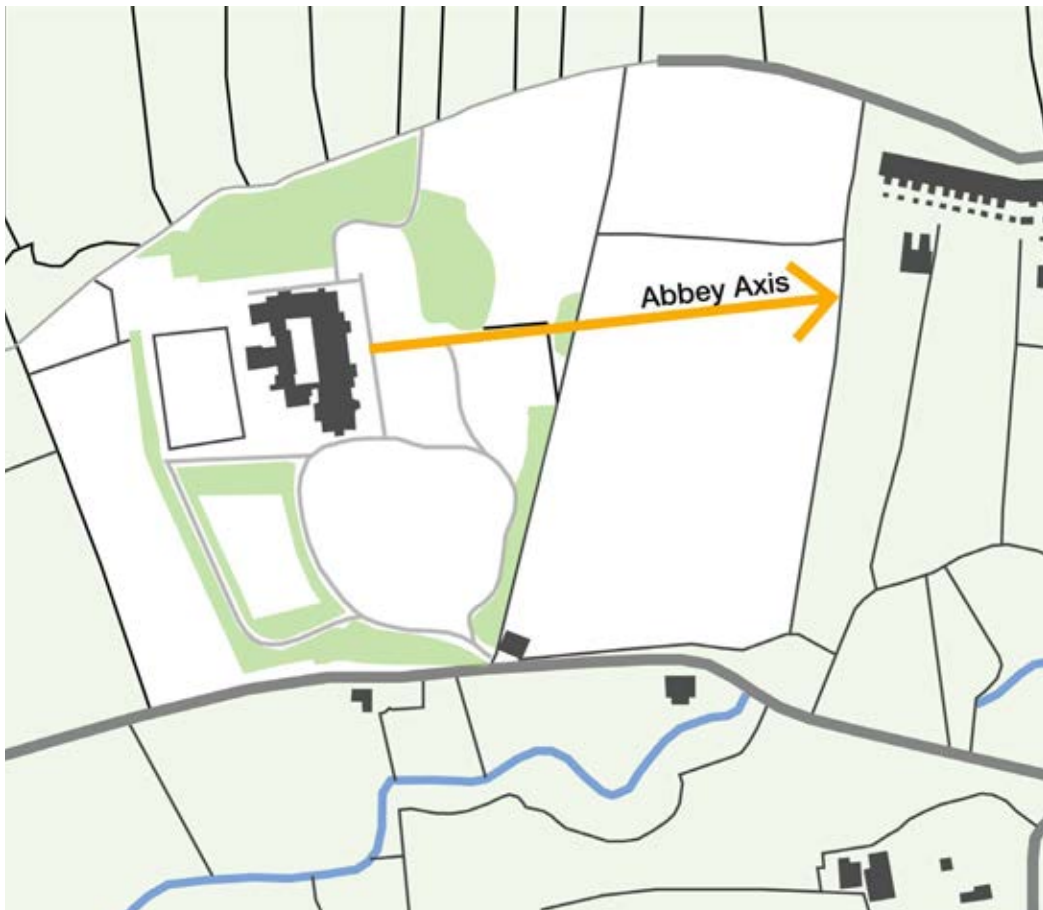
Site Timeline



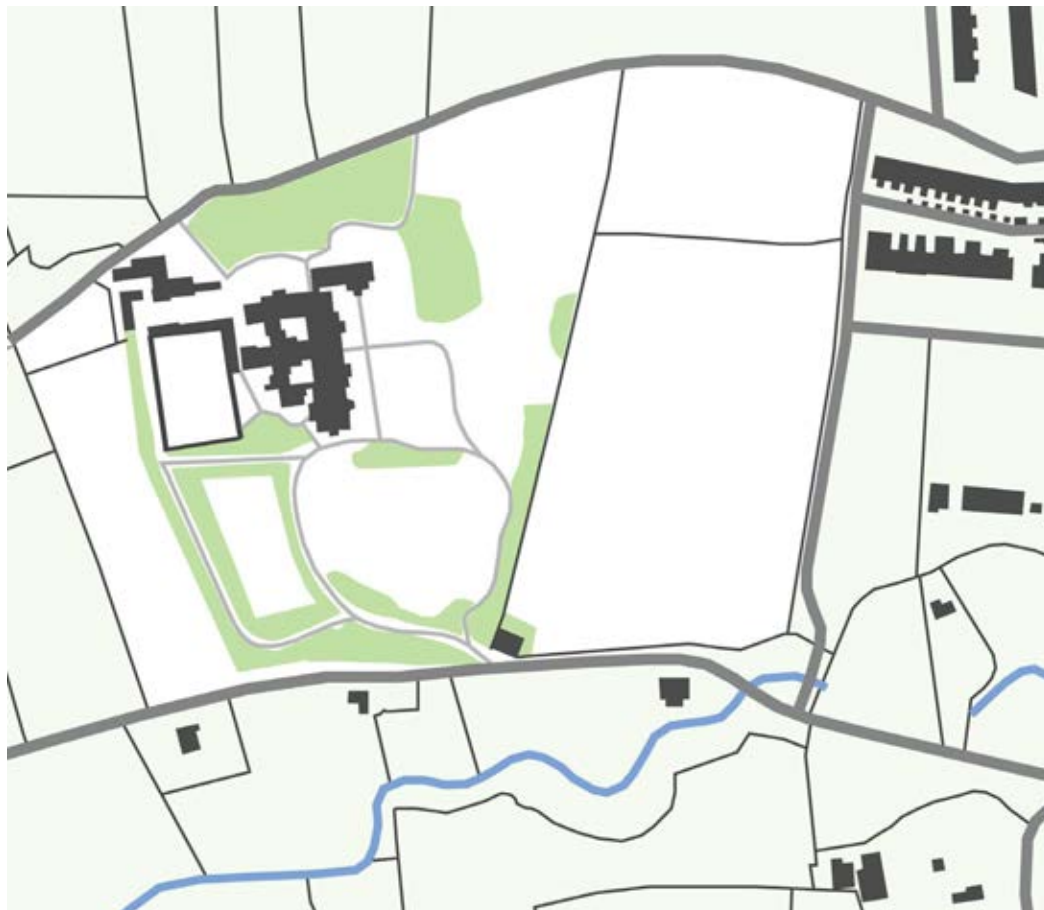
Heritage Assets



1852



1898



1924



1980

Replacement School Buildings for Hadrian Learning Trust Schools



Key Design Drivers

Make the most of the unique site

- Restore the position of the Grade II-listed Hydro in the landscape.
- Enhance its setting, including mature trees, which creates calm, purposeful atmosphere.
- Work with the topograhly and ensure full accessibility.
- Be mindful of the Green Belt and Conservation Area.
- Provide easily supervised, external spaces for each age group.
- Improve sports provision.
- Enable the wider community to benefit from the exceptional facilities.

Celebrate the best of the past while looking to the future

- Make best use of this heritage asset.
- Connection between the old and the new is critical.
- Create an inspiring learning environment for students.
- Provide facilities that can flex to accommodate future needs.
- Enable staff to develop their collegiate teamwork still further.

- Maximise operational efficiencies, so that resources are focused on education.
- Celebrate the school's ethos which values education in its broadest sense: including creative and performing arts, sport and other opportunities.
- See the whole building as a curated space.
- Design buildings that are as sustainable as possible.

Two schools, one site

- Maintain each school's distinctiveness while creating a clear sense of identity.
- Each age group should feel they have a "home of their own", with a clear sense of progression through the different phases of their educational journey.
- Middle School pupils should feel part of a smaller school with own entrance, play and social areas.
- Ensure Year 5-6 have dedicated spaces of appropriate scale.
- Enable Years 7-8 to routinely access specialist facilities in High School.
- High School to have dedicated entrance and exterior spaces.

- Consider the importance of Year 9 as the transition year, with new students joining.
- Provide study and social space for Sixth Form which reflects their place as role models.
- Provide a single main entrance for staff and visitors.

Deliver the right added value

- Much more than a typical school box.
- Deliver 2000sqm more than the standard Schedule of Accommodation to meet the Trust's curriculum requirements.
- Most 'bang for your buck'.

Minimise disruption to the Schools and neighbours during construction



1. Identification of key historic assets



2. Selective demolition and tree removal forming development zone and revealing the Hydro



3. Walled Garden form retained. Clearly defined Middle and High School approaches and blocks defined



4. Dedicated external provision wrapped around teaching blocks



5. Sports pitches located beyond



6. Key infrastructure created

Key

1. The historic asset's setting enhances and reinforces the axial approach, opening up views of the building from site perimeter, with a single visitor and staff entrance located at the route terminus
2. Dedicated Middle and High School entrances providing a clear separation of the two schools on arrival and departure at the start and end of the school day
3. Dedicated sixth form entrance into winter garden reinforcing the aspirational role of the sixth form and sense of progression
4. Individual building entrances for years 5-6 and 7-8 providing direct access to dedicated external play and social spaces
5. External play and social spaces wrapped around building perimeter with court and pitch provision beyond
6. Separation between middle and high school external spaces clearly defined by physical boundaries
7. Reduced scale of middle school at two stories creates a clear sense of identity on arrival which is suited to the younger cohort
8. Layout allows middle school classes to be wrapped around east and south perimeter avoiding overlooking into and from high school
9. Separate middle school and high school sports block entrances with no cross over of students during school day whilst maintaining the ability to open up full facility for community use
10. Middle school links to allow access to specialist High School teaching spaces designed to avoid crossover between years 5-6 and High School Students
11. Westfield House utilised for senior leadership and curriculum teams which can be easily accessed from either Middle School or High School
12. New build set well back from significant east and south elevations of Hydro and Westfield House to minimise impact on heritage asset and existing trees
13. Route of historically significant Westfield House coach loop retained
14. Building entrances for year 9, 10 and 11 providing direct access to each year group base and reinforcing the sense of progression
15. Cloister formed to walled garden perimeter, linking blocks and providing extensive covered external space
16. Theatre, halls and dining centrally in close proximity to Hydro to support community and extended use
17. Low level links formed at junction to Hydro to minimise impact on historic asset
18. Centrally located, single kitchen which can serve both school dining areas
19. Historically significant Walled Garden footprint and proportions retained.

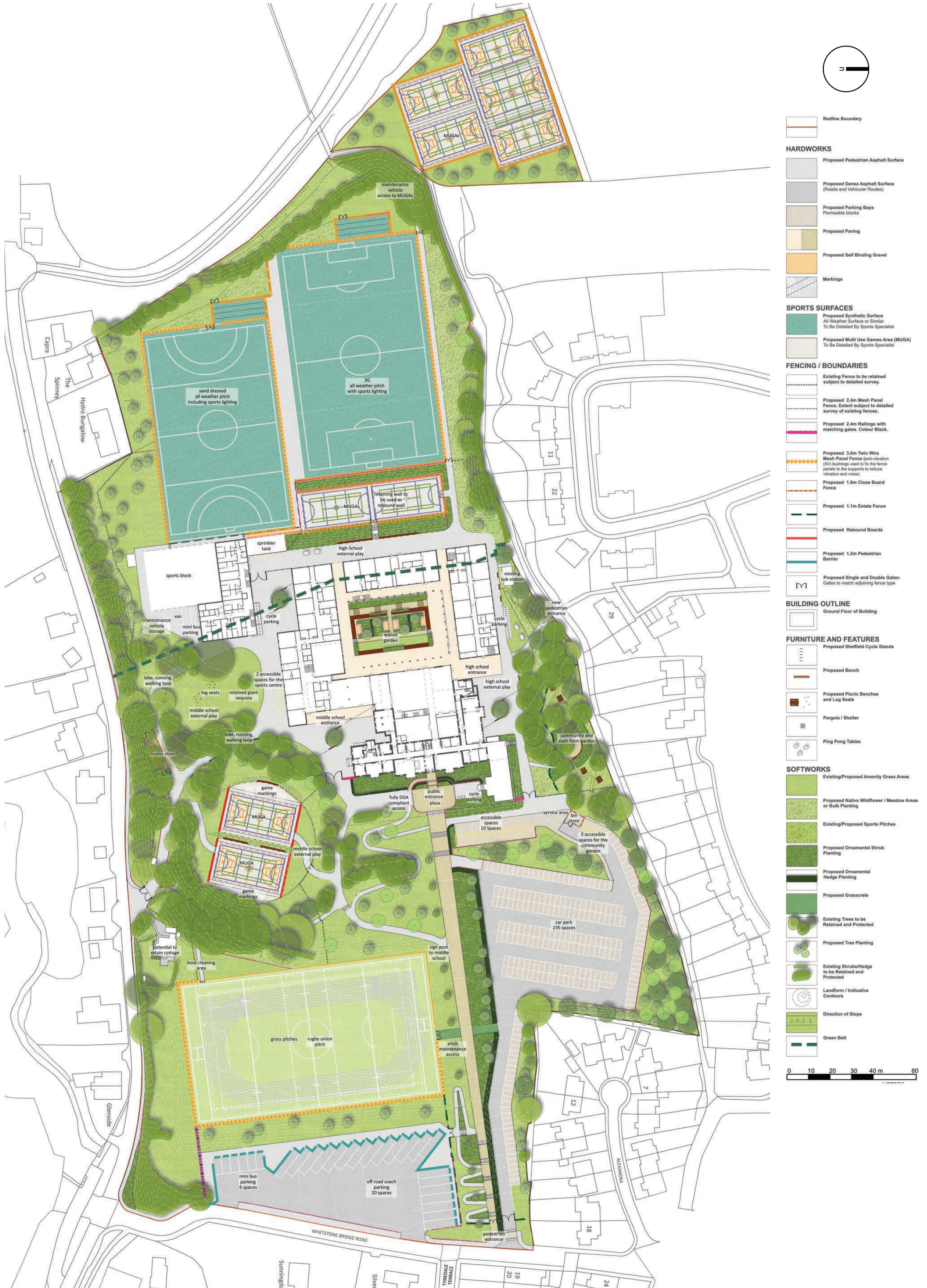


Building concept diagram

Replacement School Buildings for Hadrian Learning Trust Schools



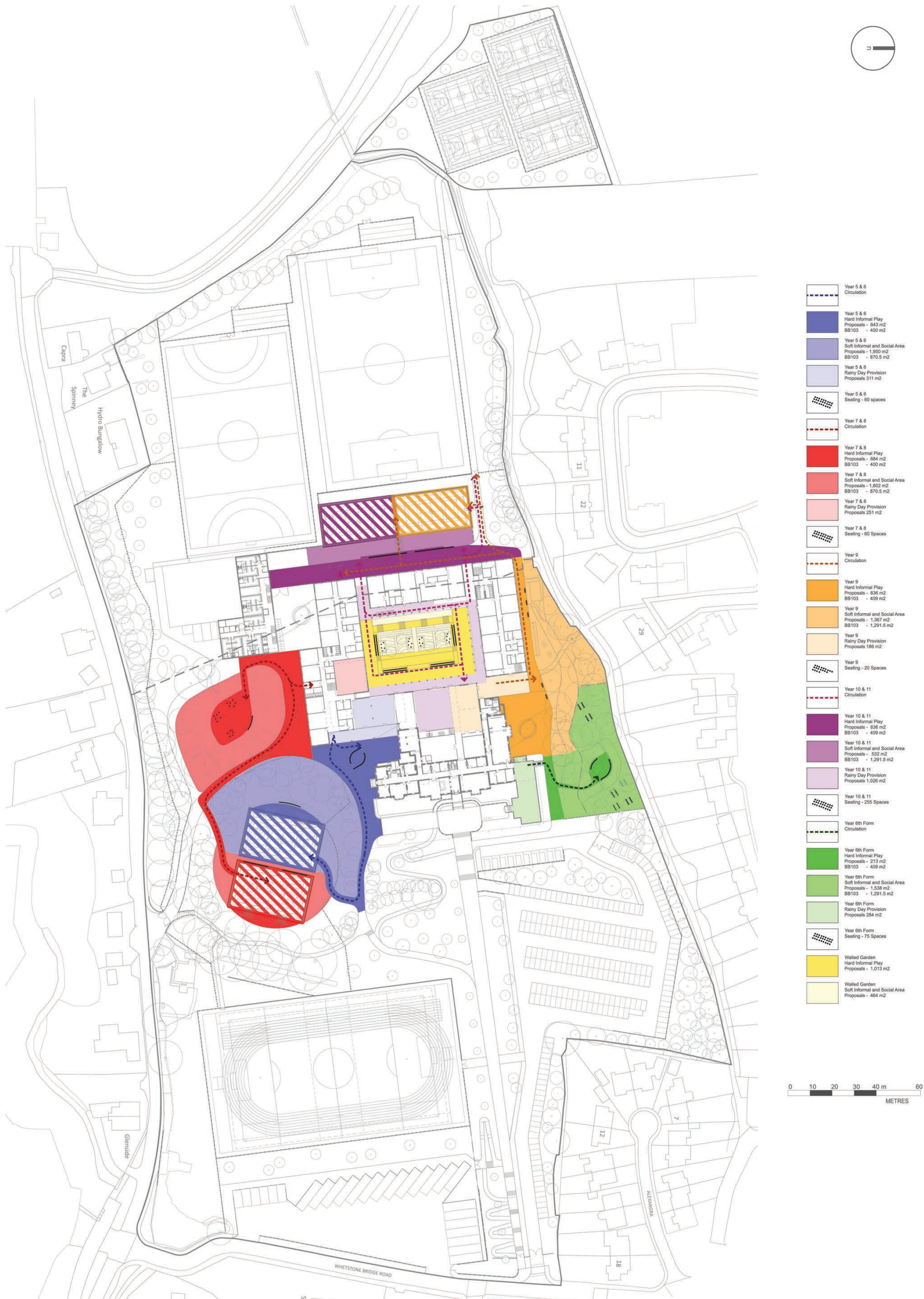
Making the Most of the Unique Site



Replacement School Buildings for Hadrian Learning Trust Schools



Separate External Play and Social Areas for Each Age Group



Legend:

- Circulation
- High School
- Large Spaces, Halls, Social & Dining
- Learning Resource Centre
- Middle School
- Non-Net
- Staff and Admin Areas
- Storage Areas

Room Labels:

- A1 Class 5 - 6
- A21 Office
- A22 Office
- A23 Office
- A24 Office
- A25 Office
- A26 Office
- A27 Office
- A28 Office
- A29 Office
- A30 Office
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- A99 Office
- A100 Office

Other Labels:

- High School Entrance
- Middle School Entrance
- Years 7-8 Entrance
- Years 5-6 Entrance
- Parent & Visitor Entrance
- 6th Form Entrance
- Technology/Food
- Business/ICT (5)
- Music
- Roof above
- Building Over
- Walled Garden
- Platform Lift
- 6th Form Dining
- 6th Form Social
- 6th Form Kitchen
- 6th Form Living
- 6th Form Bedroom
- 6th Form Bathroom
- 6th Form Storage
- 6th Form Wardrobe
- 6th Form Hallway
- 6th Form Staircase
- 6th Form Lift
- 6th Form Reception
- 6th Form Security
- 6th Form Maintenance
- 6th Form Cleaning
- 6th Form Gardening
- 6th Form Painting
- 6th Form Carpentry
- 6th Form Joinery
- 6th Form Plastering
- 6th Form Brickwork
- 6th Form Masonry
- 6th Form Roofing
- 6th Form Draining
- 6th Form Heating
- 6th Form Ventilation
- 6th Form Air Conditioning
- 6th Form Lighting
- 6th Form Sound
- 6th Form Visual
- 6th Form Creative
- 6th Form Design
- 6th Form Engineering
- 6th Form Computing
- 6th Form IT
- 6th Form Maths
- 6th Form Science
- 6th Form History
- 6th Form Geography
- 6th Form Languages
- 6th Form Arts
- 6th Form PE
- 6th Form Music
- 6th Form Drama
- 6th Form Dance
- 6th Form Games
- 6th Form Sports
- 6th Form Outdoor
- 6th Form Indoor
- 6th Form Aquatics
- 6th Form Equestrian
- 6th Form Climbing
- 6th Form Canoeing
- 6th Form Kayaking
- 6th Form Sailing
- 6th Form Rowing
- 6th Form Cycling
- 6th Form Running
- 6th Form Walking
- 6th Form Swimming
- 6th Form Diving
- 6th Form Snorkelling
- 6th Form Surfing
- 6th Form Windsurfing
- 6th Form Kitesurfing
- 6th Form Paragliding
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An aerial photograph of a large, multi-story building complex, possibly a school or government building, with a central courtyard. Red lines with arrows indicate the primary evacuation routes, starting from various points within the building and leading to designated assembly areas. Blue lines with arrows indicate secondary or alternative evacuation routes. The building is surrounded by trees and a parking lot.

[illegible]

An aerial architectural rendering of a proposed school campus. The central feature is a large, white, multi-winged building complex with a central courtyard containing greenery and a small fountain. To the north of the main building is a rectangular basketball court. To the south is a larger, irregularly shaped sports area, possibly for soccer or basketball. The campus is surrounded by lush green trees and landscaped walkways. The overall design emphasizes a modern, open, and green educational environment.



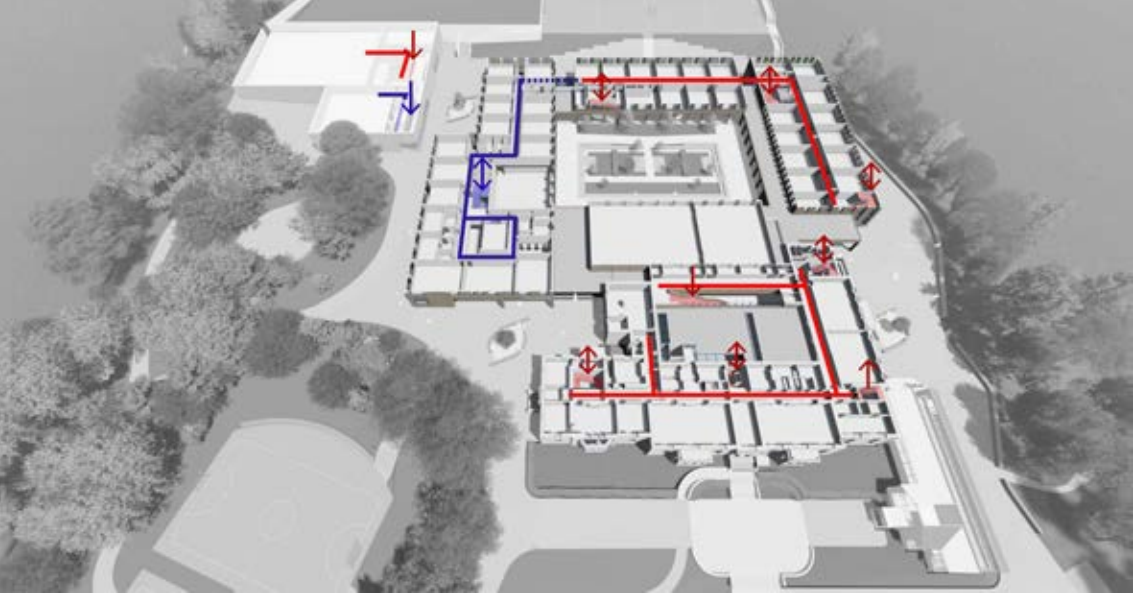
First Floor Plan



First Floor Plan



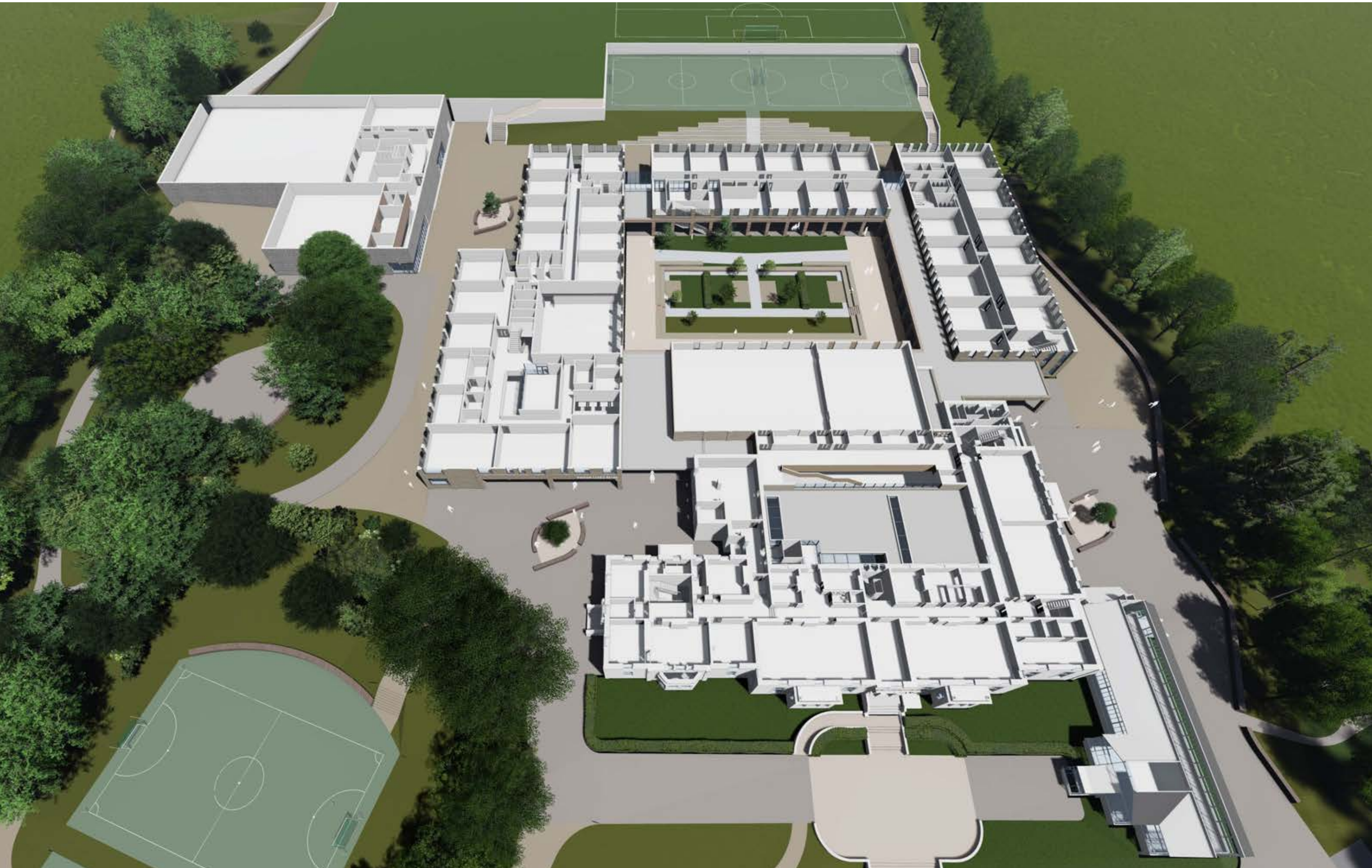
Passive Supervision



Circulation



Principal Community and Out of Hours Zoning

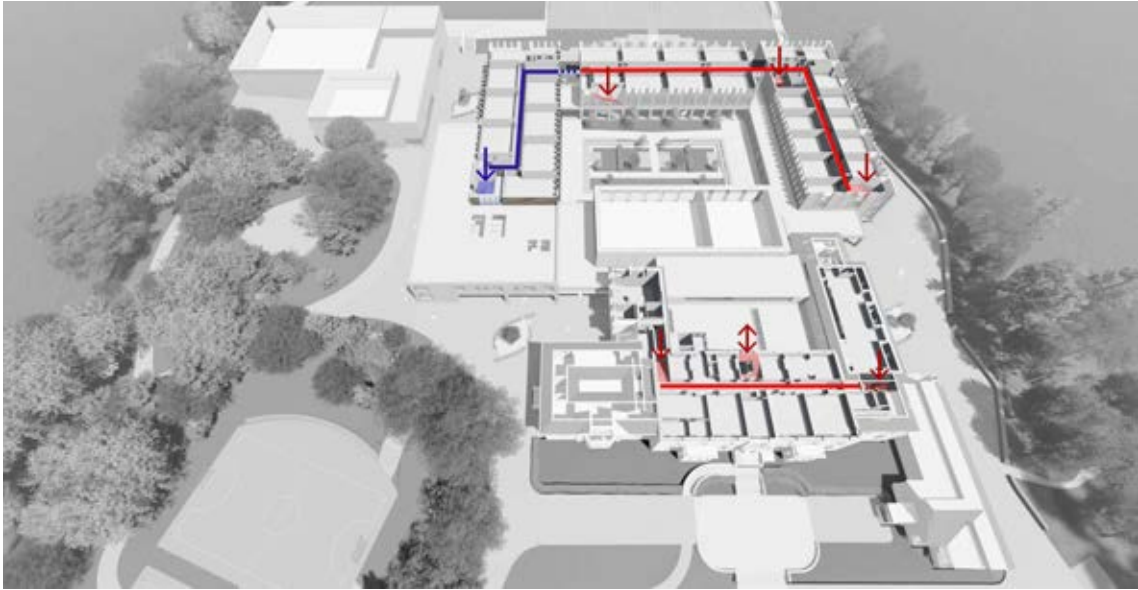


First Floor Sectioned Aerial View

Second and Third Floor Plans



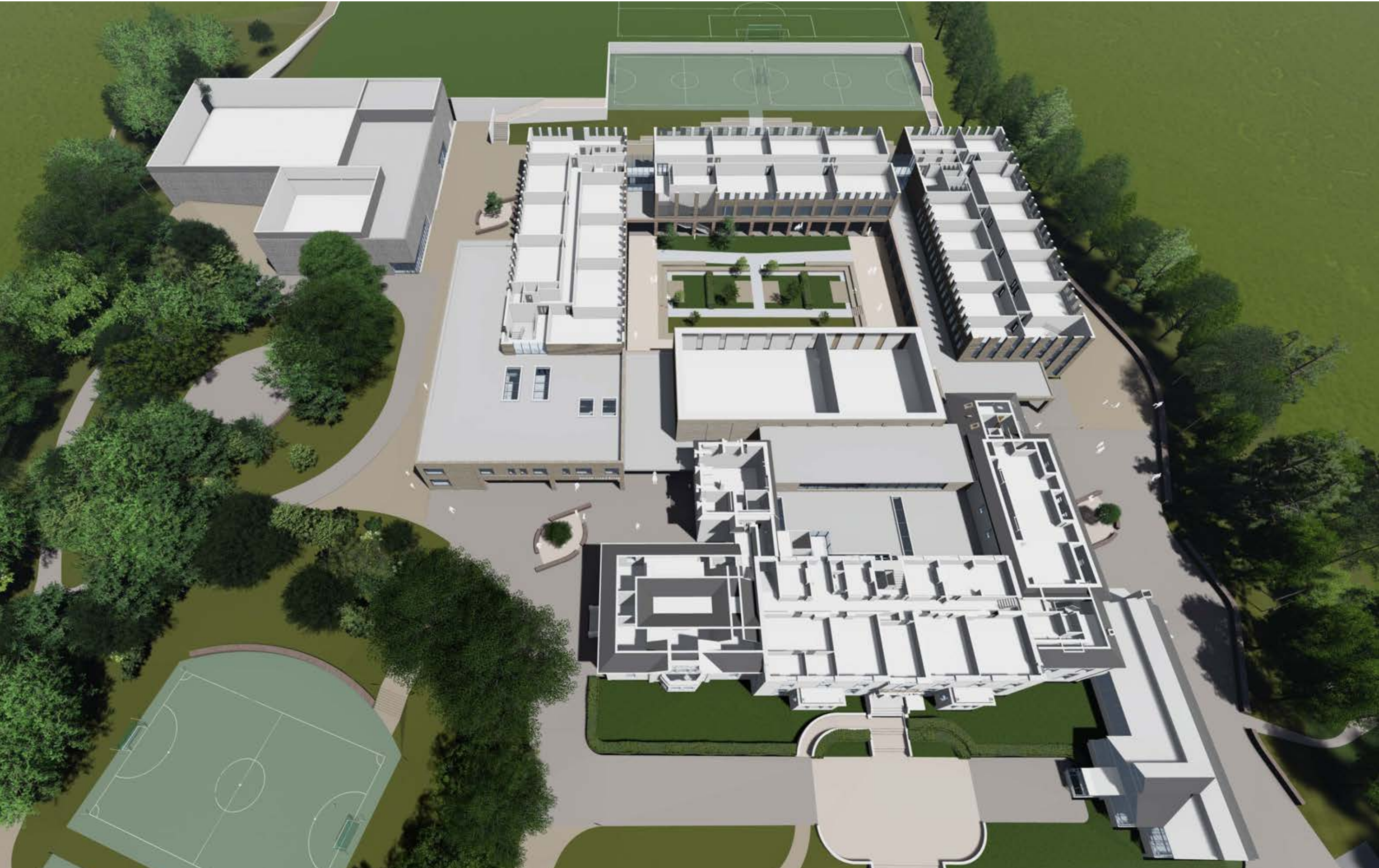
Passive Supervision



Circulation



Building Zoning



Second Floor Sectioned Aerial View