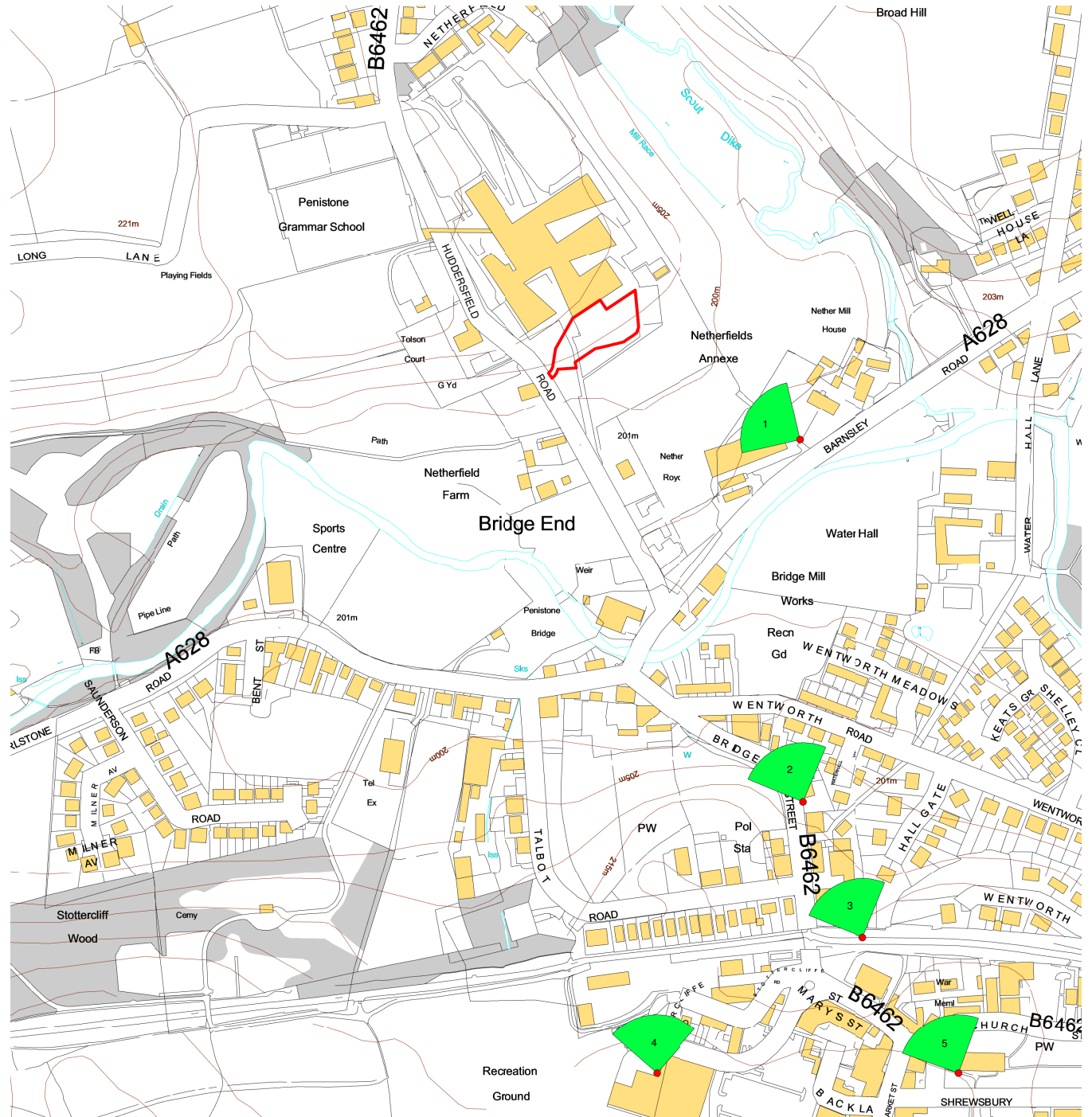


### 3.7 Visual Impact -Photomontage

Due to the importance of making sure that the visual impact of the building is well considered, a series of locations for photographic montages were agreed with the Planning Officers.

These photomontages are displayed over the following pages and as can be seen, the new building fits seamlessly into the existing façade.





View 1



View 2



View 3



View 4



View 5

### 3.8 Landscaping

Significant amounts of landscaping are required to allow the new building to be dug down into the existing steeply sloping south facing bank. The proposals will ensure that the new extension building will be school is rooted to its site from day one. Access to and from the building, and movement around the site, have been designed in collaboration with the school specifically to ensure safety and safe-guarding of pupils.

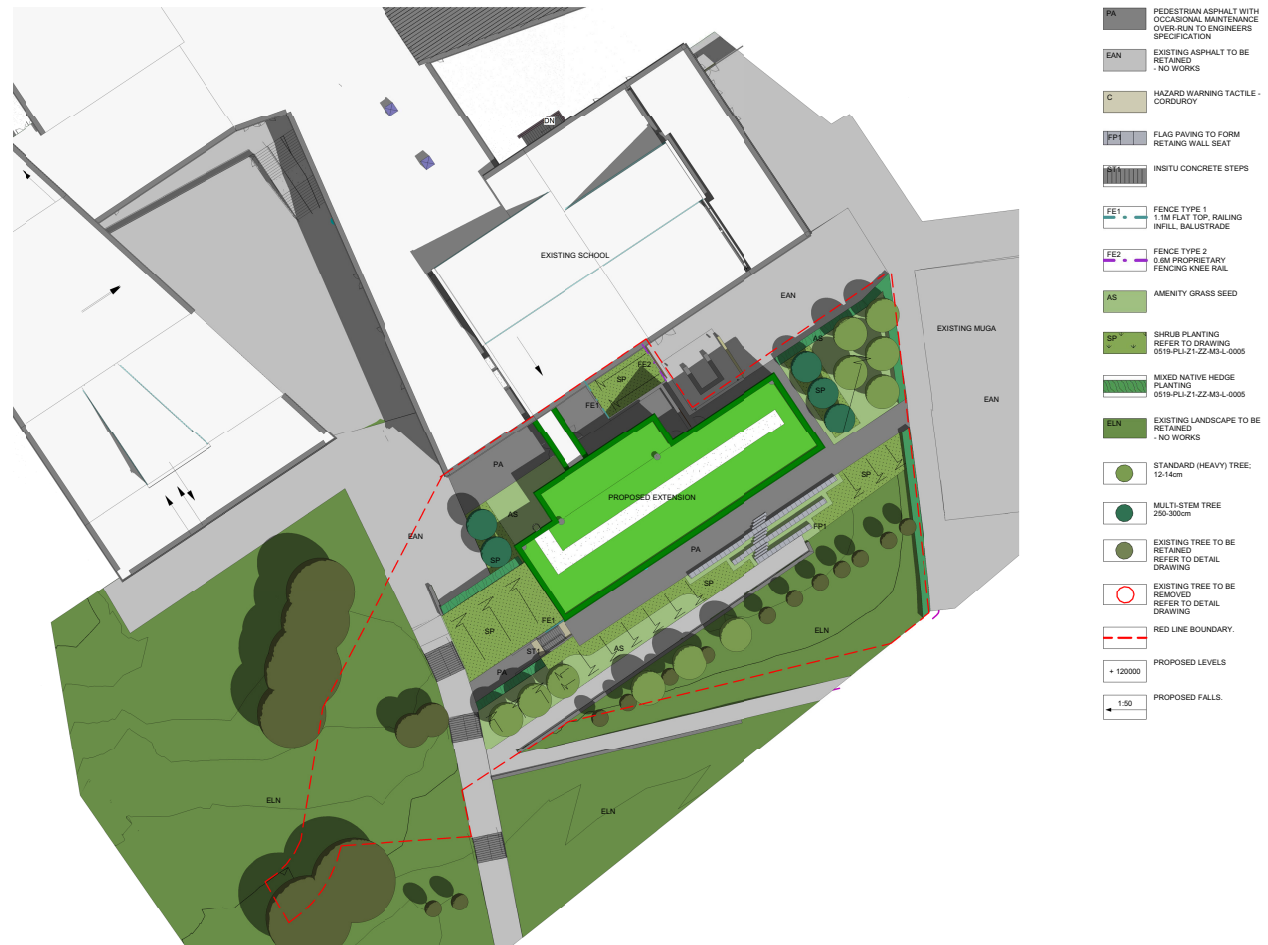
#### Existing Site/Landscape Proposals

The existing school grounds were constructed to a high standard in the original scheme. The existing site character is dominated by a sloping landscape through which a 'switchback' path runs. This is enclosed with low walls, native species hedges and lines of trees. The path forms an historic 'timeline' punctuated with monolith features at changes in direction.

This path forms the accessible route to and from the school from its southern entrance on Huddersfield Road.

Part of the proposed building location will cover over this path route, therefore the design intent for the external areas is to re-integrate access to the building from the wider landscape in a meaningful and creative way-maximising the topography and taking advantage of level changes.

Immediately to the south of the existing school building there is an outdoor 'hands on' learning



space with low seating walls, bench seats and a tensile canopy shelter.

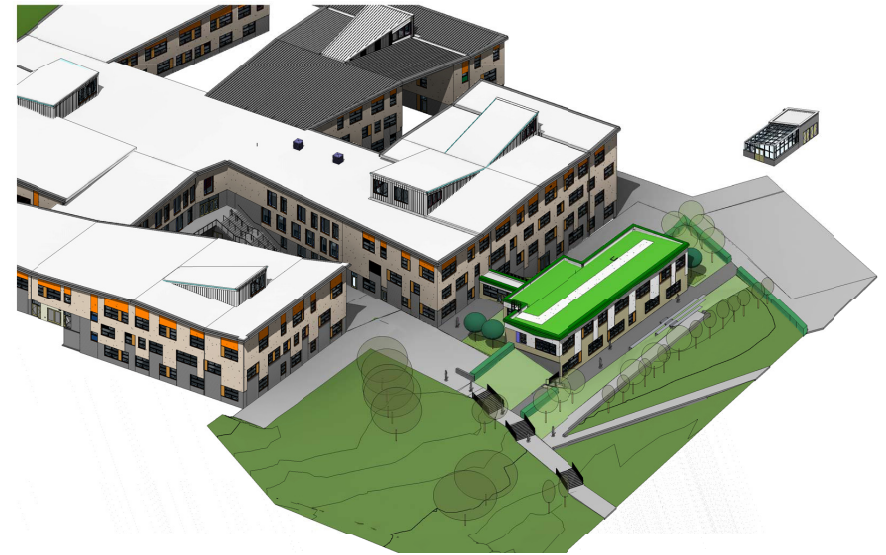
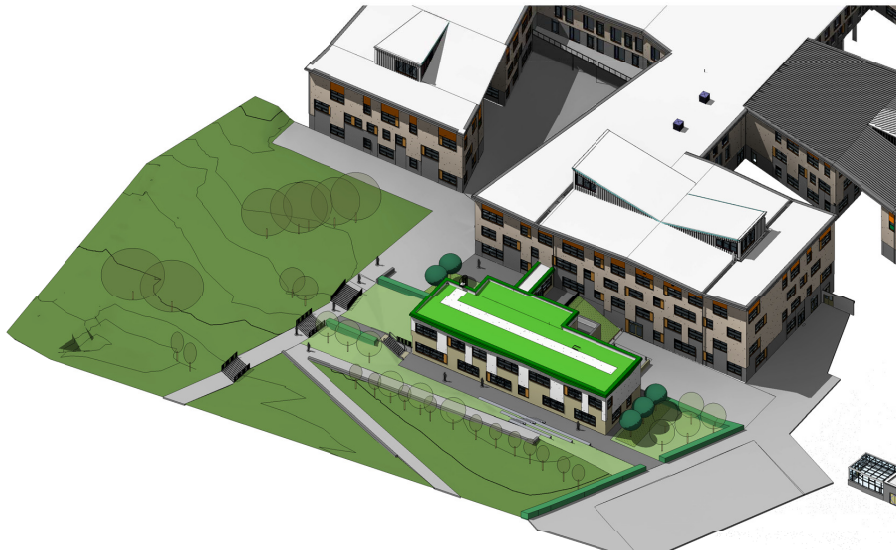
The proposed design has carefully considered retaining and integrating these elements within the new landscape ensuring continuity.

#### Existing Site: Trees and Ecology

The trees affected by the development will only include those planted as part of the original BSF

scheme. These are predominantly young trees and their replacement can be secured within the extension scheme without loss of amenity. As part of the work, 3nr standalone trees will be removed (2 of which are category 'U') and 2nr tree groups with 13 trees will be removed. 16nr trees will be planted to replace them.

An existing hornbeam hedge will also be removed as a necessity of development. As per the ecology



report, this hedge provides a habitat for nesting birds, therefore we intend to replace this where feasible to provide a safe route for wildlife around/across the site.

Also, in line with the ecology report recommendations, two bird boxes will be provided in the scheme.

#### Spaces round the building

To the south of the proposed extension building we include a terraced area to reconcile existing levels, to keep as much existing path as possible and to provide a level path to the south edge of the building.

All potential desire lines have been considered and have been designed out by either new paths

or use of level changes and hedge planting to direct footfall via paved routes only. Additional paths extend to existing routes from the south elevation. Stepped access will allow a route to the main school, and a further route will allow access to and from the games courts. Between the existing school and proposed extension building to the north, the existing hands on learning space and planted embankment will be retained and enhanced with new planting. Tarmac paved access paths will be maintained between existing/proposed external access doors and for fire escape.

#### Hard Landscape

A limited hard landscape palette is proposed predominantly tarmac path surfacing. Gabions with narrow jointed coursed slate provide level

changes and these are to be with flag paved tops allowing informal seating and prevent clothing being snagged.

Some existing furniture such as benches will need to be removed to accommodate the proposed extension. A full audit of external fittings will be undertaken at detail design stage and the existing fittings either relocated or replaced-to be agreed with the school.

Proposed steps are pre cast concrete with hazard warning, tactile paving and handrails all to Building Regulations AD(M) compliance.

To steep slopes within the landscape and to localized retaining wall elements edge protection balustrades are provided in accordance with Building Regulations AD (K) compliance.

#### Soft Landscape



Plan showing local Tree Preservation Orders

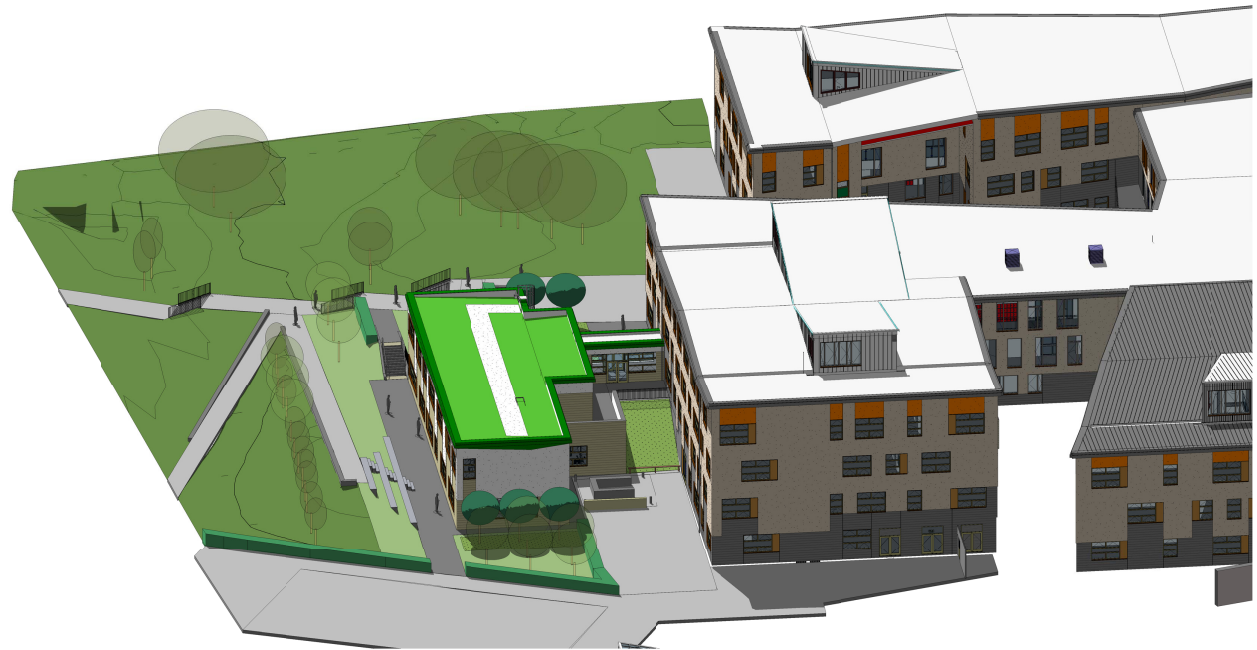
A variety of tree types and species are proposed to maximize biodiversity and to contribute to the wide arboricultural palette already on the site-contributing to local amenity and habitat for birds/insects.

A preliminary visual appraisal of the development its wider context has determined our approach to place trees to the south elevation of the building to screen/soften the appearance of the building in the wider landscape.

Amenity shrubs and ground cover areas are proposed to slopes and to provide flower and foliage interest all year round.

#### Landscape Management and Maintenance

The proposals will be handed back to the school's FM provider and the design has evolved working closely with this team to ensure it is robust and will provide a long-term contribution to the school grounds.



### 3.9 External Lighting and Security

External lighting will be provided to the perimeter of the building to provide sufficient illumination for the security and safeguarding of students without creating any detrimental impact on the neighbouring residential dwellings. Lighting will be shielded to provide light on the main pedestrian walkways to avoid trips and falls during the winter months, improve visibility to avoid dark corners for the pupils to hide and provide an adequate level of lighting for the CCTV cameras that will be installed to protect the area.

CCTV cameras will be provided on all main corners of the building to provide perimeter visual security around the new building to match the security within the existing building.

### 3.10 Sustainability

The building is designed to match the performance of the existing building and maintain continuity of performance for the long-term. This is essential for the PFI contract for the school which allocates responsibility to a 3rd party provider for the running of the school.

Insulation standards are above Building Regulation standards whilst certain areas will be upgraded to provide higher levels of sustainability.

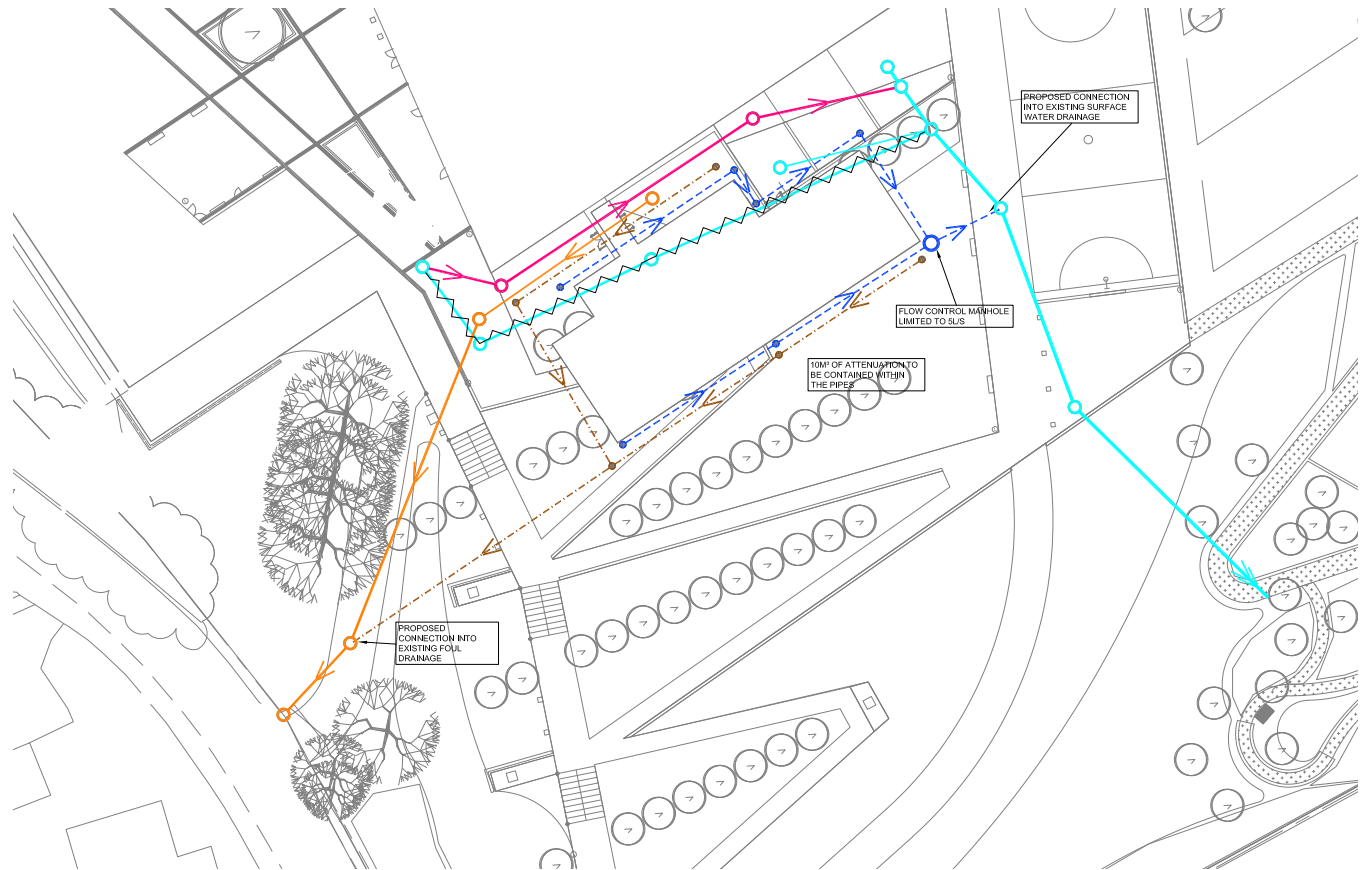
This includes a feature sedum roof which is being installed to provide increased biodiversity and attractive views from the upper floors of the classrooms overlooking the new roof.

We do not anticipate that the roof can be viewed from any other angles, however in the event that some long-distance views may glance the top of the roof, they will be greeted by an attractive patchwork of sedum.

### 3.11 Drainage Design

During the pre-application consultation it was confirmed that a full flood risk assessment was not required. However, as part of the planning application a drainage design is provided to demonstrate how the drainage strategy works with the existing building.

Surface water runoff from the proposed extension will discharge at greenfield runoff rates into the local watercourses, via the existing on site surface water drainage. A minimum runoff rate of 5l/s will apply to ensure that flow control devices are not at risk of blockage. The restricted discharge rate will generate surface water attenuation which will be contained within oversized pipes prior to connection.



Foul water generated by the development will be discharged into the existing private foul drains on site prior to discharging into the existing 150mm diameter Yorkshire Water Combined Sewer in Huddersfield Road to the west.