

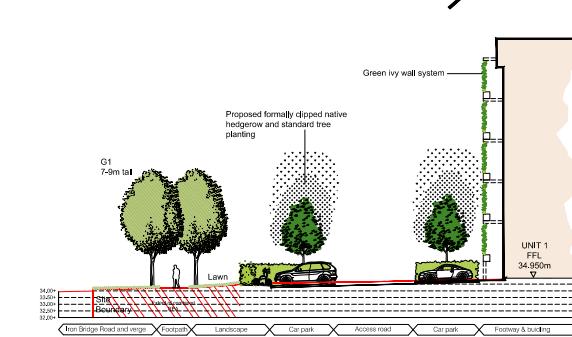
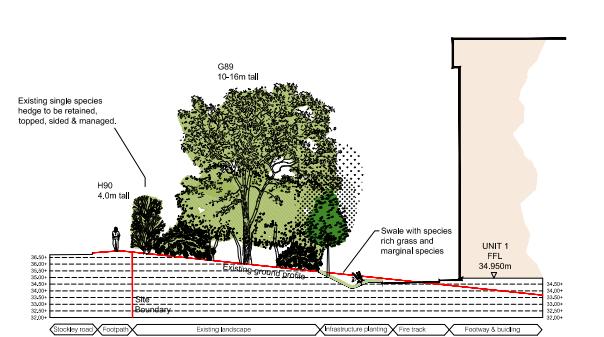
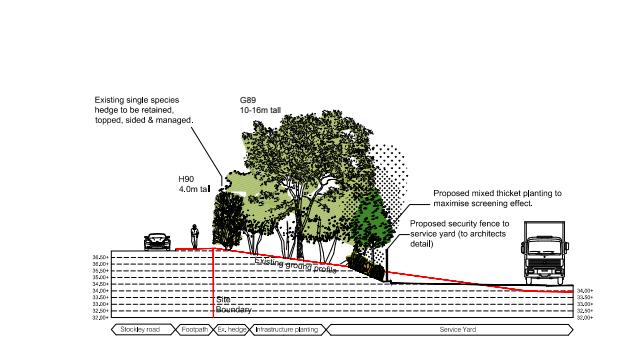
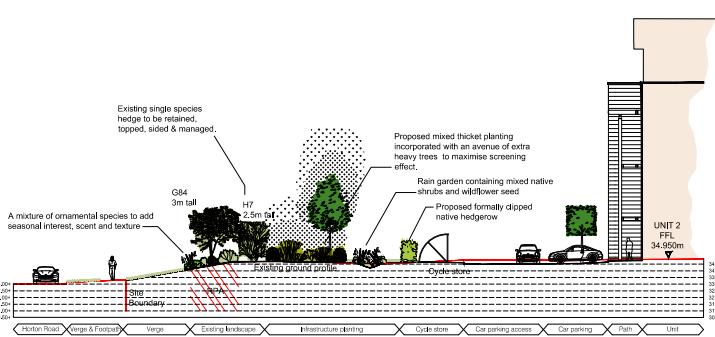
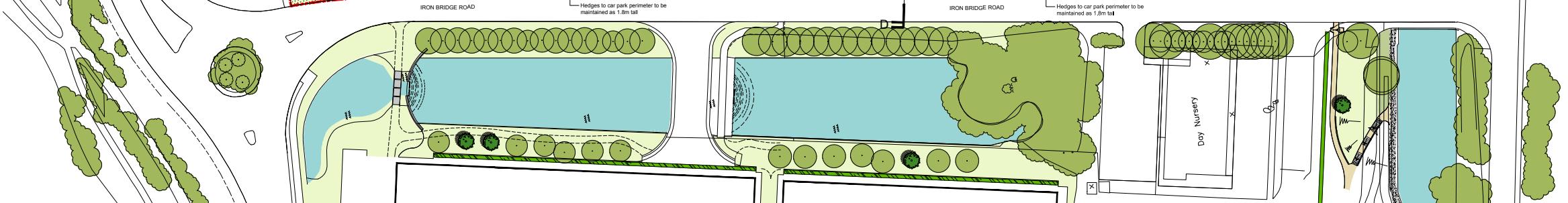
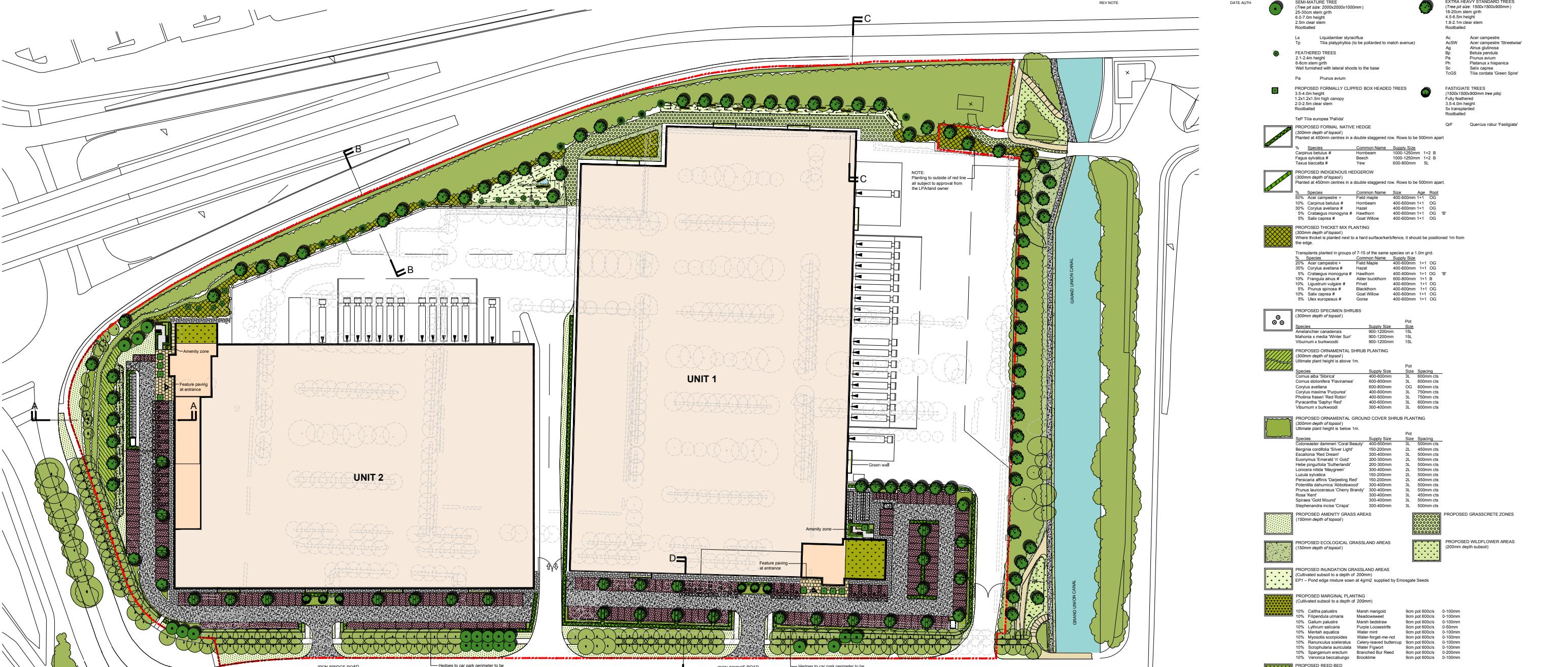
APPENDICES

APPENDIX 1

Landscape Concept Drawing



NORTH



APPENDIX 2

Green Wall System Details

WallPlanter is a unique green wall system. The basic element is an aluminium planter, consisting of aluminium planters that contain fully grown Mobilane green screens. A load-bearing structure is installed on the building, then the planters with green screens are attached to this structure. This creates an instant green façade on new and existing walls. WallPlanter includes a small automated irrigation and drainage system that supplies water and nutrients to the green screens. The automated watering system means that the WallPlanter only requires minimal maintenance.

BENEFITS

- Introduces green to grey areas
- Improves the living environment
- Increases property prices
- Low maintenance
- Improves air quality through fine dust absorption and CO₂ conversion
- Prevents graffiti
- Noise reduction
- Efficient use of space

FEATURES

- Unique green façade wall system
- Low water consumption
- Fully recyclable
- Instant greenery
- Two-sided greenery (car parks)

Outdoor	Car park	Hotel
School	Hospital	Shopping centre

TECHNICAL INFORMATION

DIMENSIONS

The dimensions of the standard planter are as follows: 50 x 50 x 390 cm (w x h x l). Other lengths (260 cm, 130 cm and custom-made dimensions) are available on request.

HEIGHT OF EACH ELEMENT

The green screens in the planters can be up to 220 cm high. The total height of an element (including planter and support points) is 285 cm.

WEIGHT

The total weight of a standard planter with green screens measuring 390 cm in length and 220 cm in height is 1450 kg (at maximum saturation). This equates to approximately 140 kg per square metre of green wall surface.

SUPPORT STRUCTURE

A robust support structure is required to bear the weight of the WallPlanter elements. Depending on the load-bearing characteristics of the façade and the foundations of the building, the support structure can be attached to the façade, set on the ground or integrated into the structure that bears the building.

PLANTER INSTALLATION

The planters must be installed on the bearing structure with a crane.

IRRIGATION

An irrigation system provides water and nutrients to every planter. Drainage is included in every planter to prevent excess water accumulation in the planter (e.g. after heavy rainfall). The drainage removes excess water and supplies the plant roots with oxygen.

TECHNICAL ROOM

A technical room of approximately 4 m² is required to supply water and nutrients to the planters. The ideal location for the technical room is near the green façade.

PLANTERS

The planters are made of high-quality aluminium with drainage on all sides and an insulation layer including drainage at the bottom. The planters can be supplied in any RAL colour on request.



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APPENDIX 3

Bat, Bird and Hedgehog Provisions

Bat Boxes

Schwegler bat boxes are made from woodcrete and have the highest rates of occupation of all types of box.

The 75% wood sawdust, clay and concrete mixture is ideal, being durable whilst allowing natural respiration and temperature stability. These boxes are rot- and predator-proof and extremely long lasting.



1FF Bat Box

The rectangular shape makes the 1FF suitable for attaching to the sides of buildings or on sites such as bridges, though it may also be used on trees. It has a narrow crevice-like internal space to attract Pipistrelle and Noctule bats.

Woodcrete construction.

Width: 27cm

Height: 43cm

Weight: 8.3kg

Bat Box 2FE Wall-Mounted Bat Shelter

This box can either be fixed to an exterior walls to provide a summer hideaway for bats, or it can be installed inside buildings to provide winter hibernation quarters. Among other species, Pipistrelles, Barbastelle and Whiskered Bat are known to use this box type as a daytime roost in summer.

Daubenton's Bat, Natterer's Bat and Brown Long-eared Bat will also use it, often sleeping together in small groups. The 2FE is a very effective, simple and cost-effective solution for providing crevice-roosting bats with a place to hide away.

Woodcrete construction

Height: 300mm

Width: 250mm

Depth: 80mm

Weight: 2.5kg

Please note that this box is designed to be fitted to a building wall rather than any weaker structure.



Bird Boxes

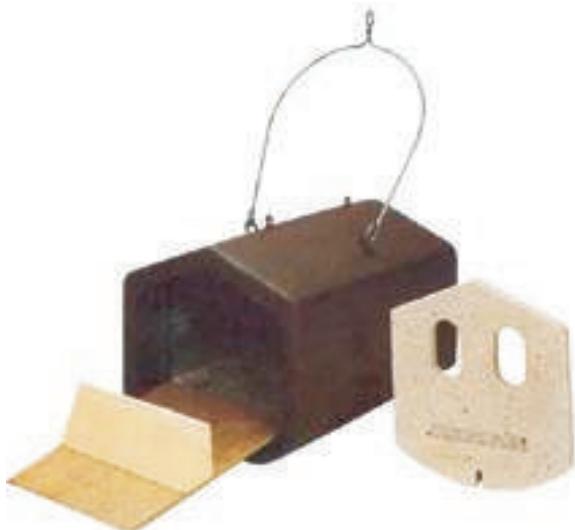
Schwegler bird boxes have the highest rates of occupation of all types of box. They are designed to mimic natural nest sites and provide a stable environment with the right thermal properties for chick rearing and winter roosting. Boxes are made from woodcrete. This 75% wood sawdust, clay and concrete mixture is breathable and very durable making these bird boxes extremely long lasting.



1B Bird Box

This is the most popular box for garden birds and appeals to a wide range of species. The box can be hung from a branch or nailed to the trunk of a tree with a 'tree-friendly' aluminium nail.

Available in four colours and three entrance hole sizes (26mm for small Tits, 32mm standard size, and oval for Redstarts).



1N Deep Nest Box

A deeper than standard nest box which is ideal for Robins, Spotted Flycatchers, Pied Wagtails, Tits and Sparrows. Its depth offers protection from cats, Magpies, Jays and Martens.

*Two entrance holes, 30mm x 50mm.
Nesting area: 15cm x 21cm.*

Bird Boxes

2GR Nest Box

Owing to the special design of the large nesting area and front panel, this box is especially well protected against predators.

Available with a single oval entrance hole or as shown with three 27mm holes for small Tits. Nesting area: 14cm x 19cm.



Sparrow Terrace



House sparrows are gregarious and prefer to nest close to each other, so this woodcrete box provides room for three families under one roof. Made from long-lasting, breathable woodcrete. No maintenance required.

Colour: stone or brown.

Dimensions: 245mm x 430mm x 200 mm.

Weight: 15 kg.

Designed for fixing to walls (not suitable for fences or sheds due to the weight of the box).

Hedgehog Gateways

A 13 x 13 cm section cut out at the base of the gravel board or directly into the fence panel creating links between residential gardens and the surrounding landscape.

This will facilitate the dispersal of Hedgehogs and other small animals and enhance the permeability of the new development for wildlife.





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