

PROPOSALS

5.6 LANDSCAPING (UPDATED 03.09.2025)

The proposal includes for 712 sq. m. of new green roof that will promote biodiversity, and create habitat for insects, birds and bats. New greenery will add a significant ecological benefit to a site which was previously mostly impermeable hard surfaces (former car wash). The soft landscaping will include and promote native and pollinator plant species.

In addition, soil and plant shading will protect the roof and evaporate water creating a cooling effect, and in winter providing an insulating effect which reduces heating demand. The green roof will also capture excess rainwater before entering the drainage system and delay permeating rainwater to reduce risk of stormwater flooding.

To the east of the site, at ground level, is a 79 sq. m. area of open soft landscaping including flower rich perennial planting.

Urban Greening Factor

1. Extensive green roof (substrate of 150mm min), value = 0.8
Area of green roof = 712 sq. m.

2. Flower rich perennial planting = value 0.7
Area of ground level landscaping: 79 sq. m.

3. Site Area = 1265 sq m

0.8×712 (area of green roof) + 0.7×79 (area of ground level landscaping) / 1265 (site area) = 0.49

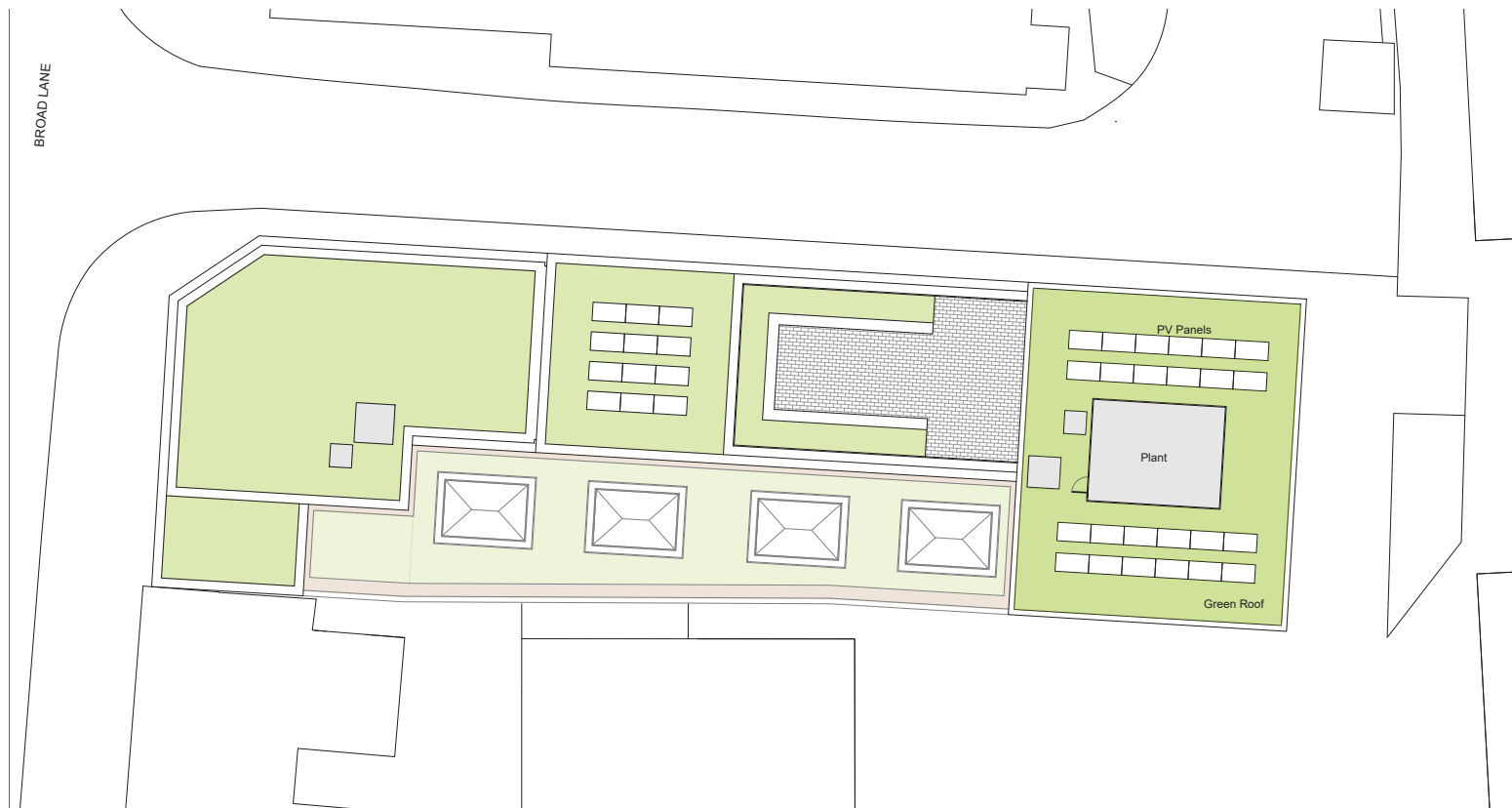


FIGURE 25 - GREEN ROOF AND PV PANELS



FIGURE 26 - EXTENSIVE GREEN ROOF BY ZINCO GREEN ROOF SYSTEMS



FIGURE 27 - BAUDERGREEN WB WILDFLOWER BLANKET SYSTEM