



CM Architectural



Green Infrastructure Statement

Hillside House, Seven Sisters

Prepared for



22/01/2025

Introduction:

This green infrastructure statement outlines the commitment that CMArchitectural has for integrating green infrastructure into minor development projects.

Green infrastructure plays a vital role in enhancing environmental quality, promoting health and well-being and fostering sustainable communities.

Vision Statement:

The vision is to contribute to vibrant and resilient communities where green spaces are valued, accessible and integrated into the fabric of development. Through the incorporation of green infrastructure in minor development projects, the aim is to enhance biodiversity, improve air and water quality and create attractive and sustainable places for people to live, work and play.

Objectives:

The main objective is to encourage the incorporation of green infrastructure elements, such as green roofs, permeable surfaces and native planting into all minor development projects with an aim to enhance biodiversity by providing habitats for wildlife and promoting the use of native vegetation while improving air and water quality through the strategic placement of green infrastructure elements to mitigate pollution.

The green infrastructure initiatives will be guided by principles of sustainability, inclusivity and resilience. Nature-based solutions that provide multiple benefits to both people and the environment will be prioritised.

Monitoring and Evaluation:

Evaluation of the effectiveness of green infrastructure interventions in achieving desired outcomes, such as improving biodiversity, mitigating climate change impacts and enhancing community well-being is important and where possible monitoring and evaluation of the findings will be made to inform decision-making and adjust strategies, as needed, for this and future projects.

Conclusion:

By prioritising green infrastructure in minor development projects, healthier and more resilient communities that benefit both current and future generations can be created achieving the wider county wide vision and objectives.

By following a stepwise approach, each step of the green infrastructure statement can build upon the previous one, creating a framework for systematic progress towards successful implementation.

Site Address:

Hillside House, Ynys Fforch Hill, Seven Sisters, SA10 9HA

Site Description:

Hillside House is a North-East facing, semi-detached family home enjoying extensive gardens. The property is bounded by the A4109, to the North-West, a tributary of the River Dulais (NRW Class: Surface Water and Small Watercourses – Flood Zone 3), to the South-West, at a significantly lower level, and the property is further surrounded by mature woodlands to all sides.

Proposed Design: Amount / Layout / Access / Ecology / Sustainability

The brief is to design a rear and side extension on the footprint of the existing conservatory extending it slightly to the rear to provide a new dining and living space, opening up the connection to the garden. A second storey added above part of the ground floor will allow for an additional bedroom to be created.

Natural materials have been selected specifically to blend into the surroundings so there is no adverse effect on the ecosystem.

The total ground floor building area is proposed to be 96sqM which is less than 6% of the total land.

The siting of the extension has been designed to create minimal disturbance while obtaining the level of connection between the house and garden desired. Access will remain unchanged from the existing.

There is an abundance of natural greenery and soft landscaping present but there is opportunity to introduce rainwater harvesting, to ensure that run off will be diverted from the existing mains drainage systems, and provide biodiversity gains by incorporating purpose designed bat and bird boxes at high level.

Implementation Plan:

Step 1: The client has surveyed the site and will identify additional areas for green infrastructure as described above. These will be incorporated into the build process.

Step 2: The chosen Contractor/s will endeavour to complete all the construction work in one phase to limit the amount of time and disturbance on site.

Step 3: Monitoring of the site is proposed to be undertaken by the client for an extended period after installation to ensure successful implementation of the key elements. Any concerns are to be reported as appropriate.

Conclusion:

By considering the materiality, siting and small-scale opportunities to enhance biodiversity the proposed development prioritises green infrastructure, is sustainable and will enhance the condition, appearance and character of the setting.