

Green Infrastructure Statement (September 2025)

Proposed Swale on land to south of the Leisure Hub and west of Phase 4B/5D, Glan Llyn, Newport.

This Green Infrastructure Statement (GIS) has been prepared in support of a full planning application for a proposed swale to the south of the Leisure Hub and west of Phase 4B/5D, Glan Llyn. This GIS is considered to be proportionate to the scale and nature of the proposals.

Green Infrastructure is incorporated into each aspect of the landscape design by integrating a sustainable, nature-based landscape solutions into the design and delivery of the Llanwnern Leisure Hub development. The proposal will align with national and local planning policies to promote biodiversity, enhance ecological networks, and support the well-being of future residents.

An integrated network of natural habitats, sustainable drainage, tree and shrub planting will be created through the Green Infrastructure network. Natural habitats are connected throughout the open spaces which links into the surrounding green corridors and beyond. The streetscape is tree-lined, and each of the green spaces combines play elements and social spaces whilst creating a habitat rich environment. The proposed Green Infrastructure strategy is carefully planned, designed and managed to:

- Promote healthier living, providing open spaces for physical activity and relaxation.
- Reduce urban heat island effect and absorb stormwater run-off to lessen the impacts of climate change.
- Filter pollutants at source to improve air and water quality.
- Make streets clean, comfortable and more attractive to encourage walking and cycling.
- Where possible, store carbon in soils and trees by using carbon rich materials such as biochar.
- Create high-quality green spaces to improve habitat connectivity, biodiversity and ecological resilience.

In summary, this GIS demonstrates that Green Infrastructure has been considered as part of the proposed swale to the south of the Leisure Hub and west of Phase 4B/5D, Glan Llyn. It is concluded that the proposed Green Infrastructure represents a notable betterment to the existing condition of this area of the site through the introduction of landscaping and other green open spaces. The proposals integrate well with future developments adjacent to and throughout the wider site, thereby conforming with the principles set out within the approved ESAMP (approved under application ref. 19/0650).

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