

APPENDIX B: GREEN INFRASTRUCTURE APPROACH CASE STUDIES

CASE STUDY 3: SENGHENYDD SAW MILL REGENERATION, CAERPHILLY

A core part of the vision for the regeneration of the site is to create a sustainable development with green infrastructure creation at the heart of the scheme.

The proposal introduces green space and creates green links on the former industrial, brownfield site.



The GI network is based on existing landscape features, including mature trees and a watercourse, and reflects desire lines through the site connecting to offsite footways to encourage walking and cycling.

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Key features incorporated within the GI network include:

A central park, integrating the wooded embankment as part of the linear GI network. This formal green open space will provide panoramic views along the valley. It will be enclosed by built form with frontages and incorporate grass areas with seating and formal planting. Proposals will also include a change of surface material to the street around the park to encourage lower traffic speeds;

A green space in the northwestern corner of the site will incorporate informal planting and will contain a Local Equipped Area of Play. This Local Equipped Area of Play will cater for young children. This also forms part of the GI network;

The southern linear open space corridor, incorporating the wooded embankment, will include an informal open space located at the top of the bank. This space provides south facing views towards the village and surrounding hills along the valley. The orchard will provide opportunities for local food production for use by the whole community;

The eastern sloping edge bank will be retained with the associated tree planting. It will be enhanced with additional planting where appropriate and a barrier provided at the top for the safety of users.

A series of linear streets are proposed with street tree planting to create green links between the main open spaces. There are also links to the open countryside beyond the site boundary, also connected into the GI network.

Attenuation basins will be incorporated to attenuate water run-off from the site along the southern linear open space corridor as an integral part of the GI network.