

RIPARIAN CORRIDOR KEY ECOSYSTEM SERVICES:

The Proposed Development falls within a Riparian Corridor area. The SDCCDP Green Infrastructure (GI) in Section 4.2.2. Sustainable Water Management regarding Riparian Corridors states that:

'Designating and maintaining riparian corridors along the major watercourses and their tributaries is key to maximizing ecosystem services provided by the watercourses.'

The Proposed Development considers the following key ecosystem services to integrate in the GI infrastructure design and strategy:

1. Interception and reduction of potential pollutants from urban sources
2. Reduce runoff volumes
3. Provision of habitat refuge
4. Ecological corridors
5. Amenity value

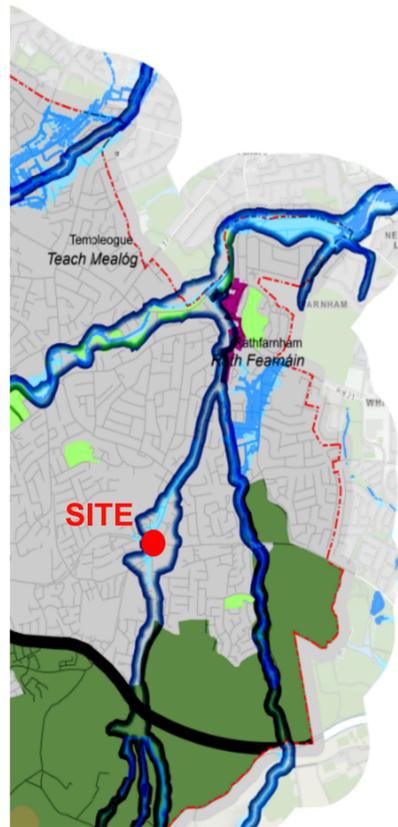
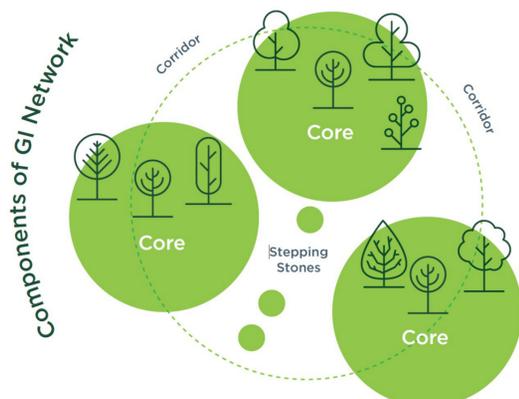


Figure 4.2: Components in a GI Network



COMPONENTS OF THE GREEN INFRASTRUCTURE NETWORK:

SDCC DP considers that:

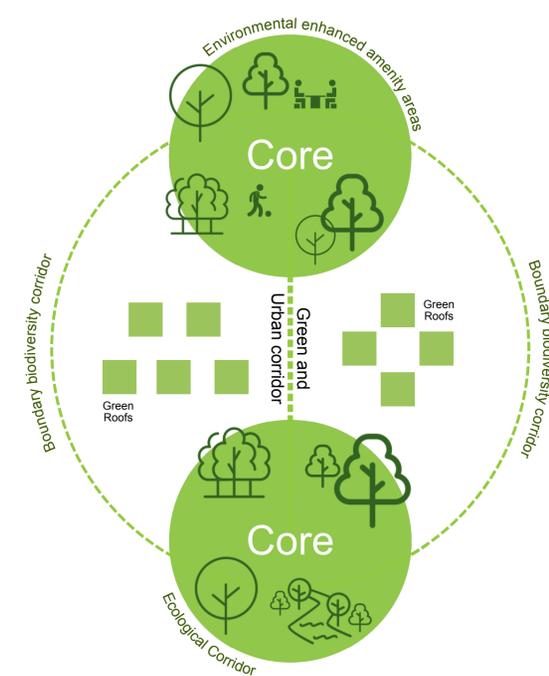
'Green Infrastructure networks are spatially defined in terms of several common components. Core Areas serve as anchors within a GI network'

This proposal incorporates the SDCC GI schematic network to use the same language and components into the design.

The Cores are the major parks and public spaces with the strongest ecological impact within the overall GI.

A series of corridors link the Cores with two typologies: a Green and Urban corridor with strong SuDS elements and two Boundary biodiversity corridors, one to the west to support biodiversity to the Owendoher River Riparian Corridor and one to the east retaining and protecting the existing vegetation. This structure is completed by the installation of Green Roofs as stepping stones to increase the biodiversity links and SuDS value

TAYLOR'S LANE GREEN INFRASTRUCTURE SCHEMATIC DIAGRAM



DESIGN ACTIONS:

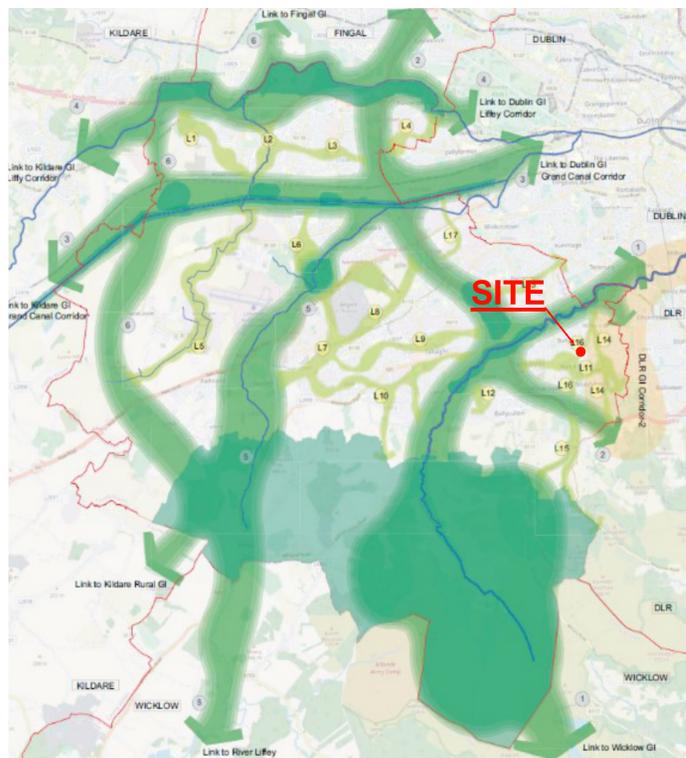
Establish a network of bioswales, raingardens and green rooftops

Construction of two attenuation tanks

Install a strong green structure by the use of Miyawaki forest, native shrubs and All-Ireland Pollinator plan wildflower gardens

Connect spaces with high ecological value

Addition of active and passive recreational spaces such as, kick about areas, natural play, pic nic, seating, urban open spaces



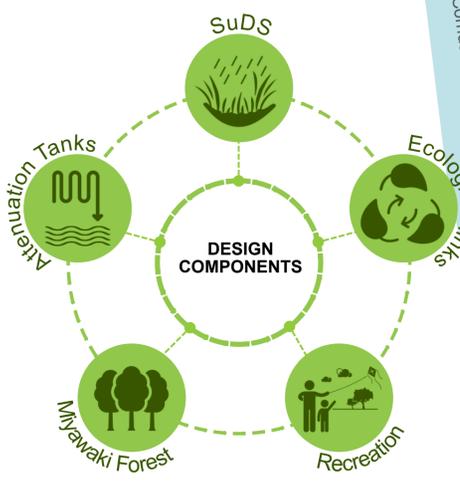
STRATEGIC CORRIDOR 2: M50 CORRIDOR

SDCCDP recognises that there are opportunities for enhancement along the M50 including the Owendoher River and its tributaries, and acknowledges that an opportunity exists to identify and enhance the interconnection of the parks, green spaces and river corridors.

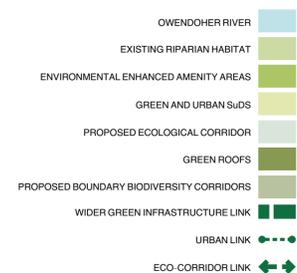
Some measures include the addition of pedestrian and cyclist green links to create further GI connectivity for the benefit of biodiversity and for recreation purposes.

Among the 'Overarching Objectives', the SDCCDP, the Proposed Development focuses on the following:

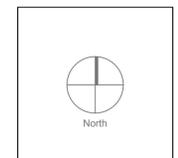
- To enhance connectivity between open spaces
- To enhance corridor links and biodiversity value.
- To promote the connectivity with the wider regional GI network.
- To improve pedestrian and cycling infrastructure.



GREEN INFRASTRUCTURE ELEMENTS



Rev.	Date	Note
00	2023-01-25	00



General Notes

Doyle & O'Troithigh Landscape Architecture

Project Name: Taylor's Lane Residential Scheme Ballyboden, Dublin
 Drawing Name: Landscape Policy Review and Green Infrastructure
 Status: Information
 Drawing No: LPR-01-PP
 Project No: 19_039
 Revision No: 00
 Scale: NTS
 Date: 10/03/2023
 Drawn By: J.A.
 Checked By: D.O.T.

Linda Doyle, Director
 +353 (0)87 267 4196
 linda@doyle-otroithigh.com

Deith O'Troithigh, Director
 +353 (0)86 303 3499
 deith@doyle-otroithigh.com

Office Address: Pembroke House, 28-29 Upper Pembroke St, Dublin 2
 Contact: mail@doyle-otroithigh.com
 +353 (0)1 606 7782