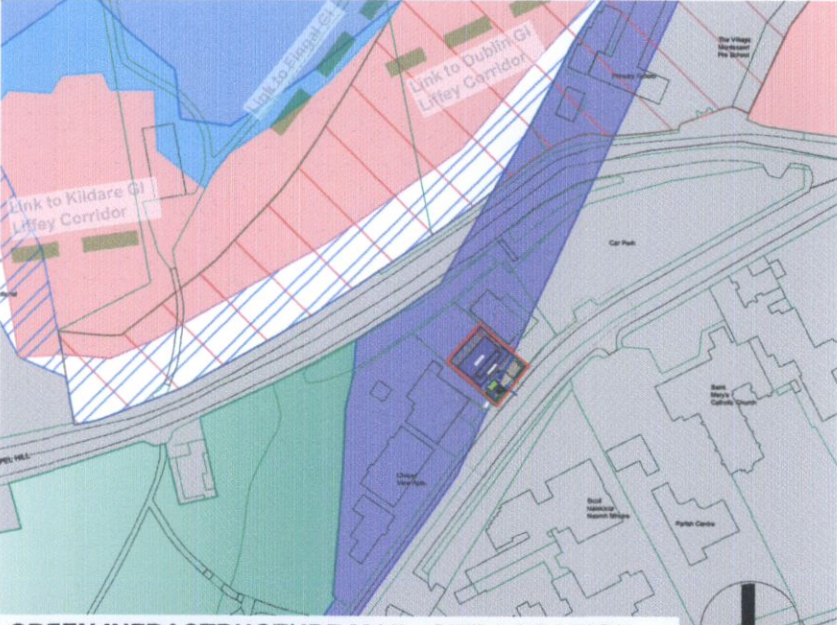


**GREEN INFRASTRUCTURE KEY**  
 This mapping diagram (below) and this supporting key are drawn after 'Map 13 Green Infrastructure', prepared by the Land Use Planning and Transportation Department of South Dublin County Council; and 'Figure A 4.1 Green Infrastructure Strategy Map', forming part of South Dublin County Council's County Development Plan 2022-2028

	RIVER VALLEY
	GREEN SPACE
	URBAN FRINGE/PERI-URBAN
	FOOTHILLS
	EXISTING PARKS
	PROPOSED NATURAL HERITAGE AREAS
	SPECIAL AREA OF CONSERVATION
	LIFEY VALLEY SPECIAL AMENITY ORDER 1990 (SAAO)
	RIPARIAN CORRIDOR
	FLOOD ZONE A
	FLOOD ZONE B



**GREEN INFRASTRUCTURE MAP - SITE LOCATION MAP (CONTEXT OF WIDER GI) SCALE 1:2500@A3**

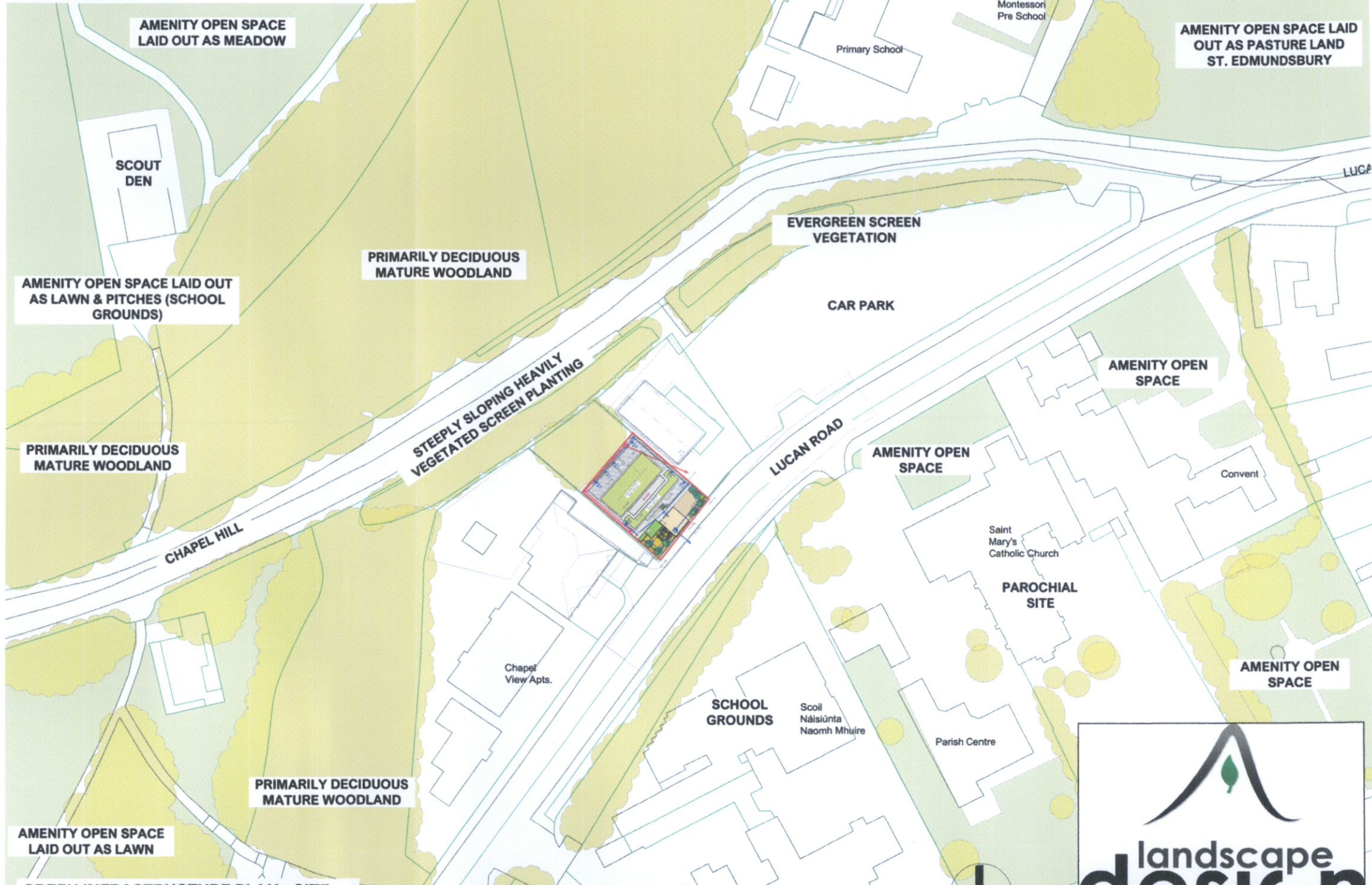
**GREEN INFRASTRUCTURE PLAN**

The subject site is in the town of Lucan, south of the County Boundary between South Dublin and Fingal, and close to the Core area of the Liffey Valley itself (the river is within a 300m radius of the site). This is identified as a Primary GI Corridor (ref. Figure A 4.1 'Green Infrastructure Strategy Map', SDCC CDP 2022-2028). The site's location and immediate context encompasses a range of habitats, from river valley and woodland habitats to urban and peri-urban. On both drawings on this sheet, the Site Location Map (Context of Wider GI) and the Site Survey & Analysis, the subject site is outlined in red.

The development is a 'small-scale development' in terms of the CDP. Our GI and landscape strategy has been to consider objectives to protect or restore existing on site GI assets; provides for connection to local or primary GI corridors and/or includes elements which allow the site to act as a local stepping stone. As the subject site is located within or close to a Core or Corridor the development should, at a minimum, protect any existing GI assets and enhance same (for example, not breaking a GI Corridor but enhancing same with a connecting piece of planting, retaining hedgerows or woodlands). Existing trees are being removed at the site (refer to project arborist's tree survey report and drawings) to accommodate the development proposals. These are of limited value.

Measures the design team has undertaken at FI stage to respond to the issues raised by the local authority in relation to GI include the following:

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**GREEN INFRASTRUCTURE PLAN - SITE SURVEY & ANALYSIS SCALE 1:1000@A3**

- extensive-type sedum roofs in areas of the roofs not subject to shade (i.e. not north-facing)
- retention of existing old limestone walls (coursed, random rubble) along the street-frontage
- integration of bat-boxes and swift boxes into the walls of the proposed building, and a bird/bat box hung from the focal element tree
- planting of pollinator-friendly trees, min. 18-20cmg in size, grown in Ireland. Trees specified have been chosen for their climate-resilient properties, such as a location in a simple rain garden (*Pinus sylvestris* spp) and *Betula nigra*, which is chosen for its resilience in an expected 2° temperature increase by 2050.
- planting of boundary hedges that retain leaf cover during the winter (Hornbeam) to preserve shelter habitat for wildlife during the cold months
- permeable paving generally (flexible construction), with salvaged stone setts (bound construction) in vehicle manoeuvring areas (circular economy principle)
- a small rain garden planter bed with appropriate moisture tolerant plants
- amenity planter beds planted with Irish nursery-grown pollinator-friendly plants including ornamental grasses, bulbs, flowering perennials, and decorative multi-stemmed trees which should establish quickly and require little maintenance
- semi-intensive bio-diverse green-roofed cycle shelter with wildlife and habitat panels, flowers in

bloom from April to November and early spring bulbs, dried and rotting logs. Cycle structure made from primarily reclaimed, re-used or recycled materials, with habitat panels made from a mix of found materials for invertebrate nesting and over-wintering and growing substrates made from recycled secondary waste with a low nutrient level. Timber cladding is FSC-certified new European softwood. Plants and plugs are certified by FloraLocale.

- semi-intensive green roofed aluminium frame 3-bin shelter with integrated FSC larch posts and climbing plant wires.

**Additional Information**  
 Planning Ref: SD22A/0372  
 February 2023



**LANDSCAPE ARCHITECTS & CONSULTANTS**

PROJECT PROPOSED MIXED-USE DEVELOPMENT, ST. CLAIRE'S, LUCAN ROAD		
CLIENT JOHN SHENTON & MARGARET HANLON	PROJECT ARCHITECTS GAP ARCHITECTURE & DESIGN	
JOB NO. 23_229	PLANNING PERMISSION REF SD22A/0372 SDCC	
DRAWING GREEN INFRASTRUCTURE PLAN (SITE CONTEXT MAP & SITE SURVEY & ANALYSIS)		
DRAWING NO. 22_229-PDF1-03	FIRST ISSUED: 2023-02-09	
DRAWN BY J COUGHLAN	CHECKED: COLM KENNY	THIS ISSUE: 2023-02-16
STATUS: PLANNING	SCALE: 1:2500, 1:1000 @ A3	REVISION: B

NOTES: All dimensions are in millimeters unless otherwise stated and shall be checked and confirmed by the contractor on site. Any discrepancies shall be immediately reported to the landscape architects. Work to figured dimensions only - Do not scale from drawing. Not for Construction Purposes unless Specifically Marked. © THIS DRAWING IS COPYRIGHT OF LANDSCAPE DESIGN SERVICES