



LIZARD

Landscape Design and Ecology

UNIVERSITY OF CHICHESTER

PROJECT CORNERSTONE
UNIVERSITY OF CHICHESTER, BOGNOR REGIS

Landscape Design Strategy

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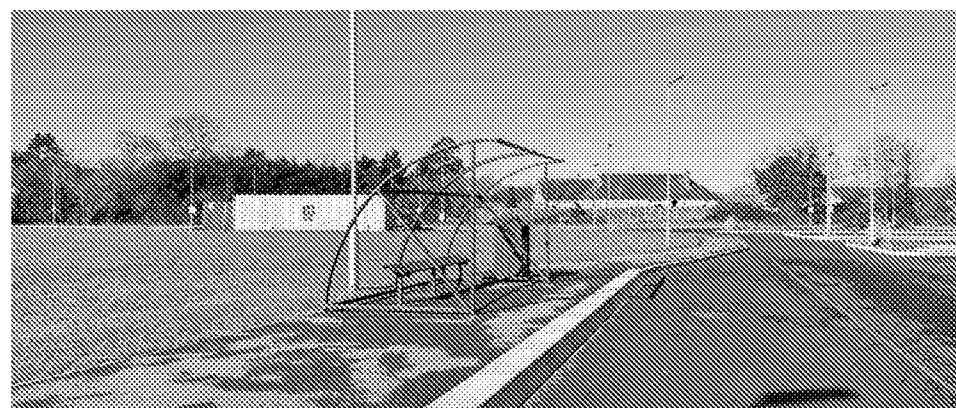
1.0 INTRODUCTION

General

- 1.1 Lizard Landscape Design and Ecology (LLD) has been commissioned by the University of Chichester to develop a Landscape Design Strategy (LDS) for the proposed development at the University of Chichester campus at Bognor Regis.
- 1.2 The LDS has been prepared by Mary Lannia (Landscape Architect) and reviewed by Keith Miller (Technical Director and Landscape Architect CMLI) at LLD.

Site Visits and Supporting Documentation

- 1.3 The proposal has been informed by desk study and site visit carried out on the 17th March 2022. The report should be read alongside the following documents which have been produced by Lizard Landscape Design and Ecology;
- LLD2572-LAN-DWG-001 - Landscape Masterplan Strategy,
 - LLD2572-ECO-REP-001 - Biodiversity Net Gain Assessment Report.



2.0 EXISTING SITE INFORMATION

The Site

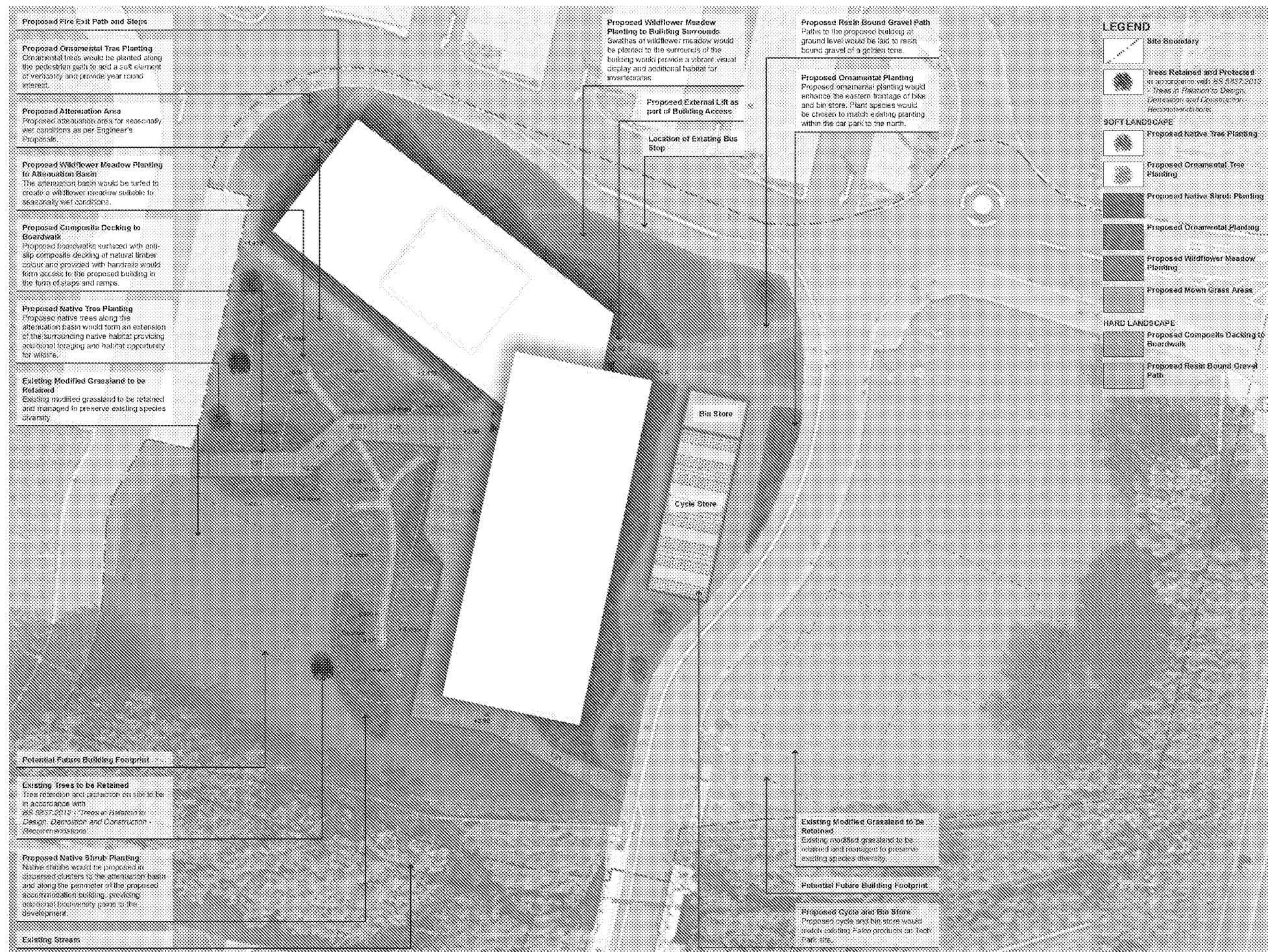
- 2.1 The proposed development site (*hereafter referred to as 'the site'*), is situated along the west of Felpham Way (B2259) within the University of Chichester campus in the town of Bognor Regis, West Sussex.
- 2.2 Following the partial implementation of consented scheme (BR/54/16/PL), the application site is largely comprised of an area of modified grassland and scattered trees intersected by a vehicular road and associated pedestrian paths. Access to the site is gained via Felpham Way to the east and through the campus from the south.
- 2.3 It is bordered by a stream along a tree belt to the south, beyond which the University of Chichester is located. The belt of trees continues to the eastern boundary of the site forming a buffer along Felpham Way. The site faces onto residential buildings to the west and university staff car parking to the north beyond which the grassland is used for sport and recreational purposes.

Existing Soil

- 2.1 Soil type across the Study Area is understood through reference to the Soils Map (produced by Cranfield University, with support from Defra) to comprise: Loamy and clayey soils of coastal flats with naturally high groundwater.

Surrounding Landscape

- 2.2 The wider landscape surrounding the site comprises residential developments to the east and west with commercial developments including tourism to the south extending some 600m to the sea. A strip of cropped fields with several used for recreational purposes extends north of the site.
- 2.3 The site falls within the West Sussex County Council, Arun District Council and Bognor Regis Civil Parish.
- 2.4 The site also lies within a Flood Risk Zone classified as Zone 3.



3.0 DEVELOPMENT PROPOSAL

- 3.1 The development proposal (*The Scheme*) as illustrated on the *Landscape Masterplan Strategy LLD2572-LAN-DWG-001*, comprises the construction of a student accommodation building with associated pedestrian pathways and boardwalks. Bike and bin store provisions would also be included.
- 3.2 The accommodation building would be composed to form western and eastern wings creating a feature soft 'courtyard' to the west that would contain a stormwater attenuation basin. The courtyard along with the areas to the north and east and the wings along the existing vehicular and pedestrian paths would be planted to create soft landscape areas.
- 3.3 Opportunity for potential future development could be located to the southwest of the proposed accommodation building and to the modified grassland area across the intersecting vehicular path.

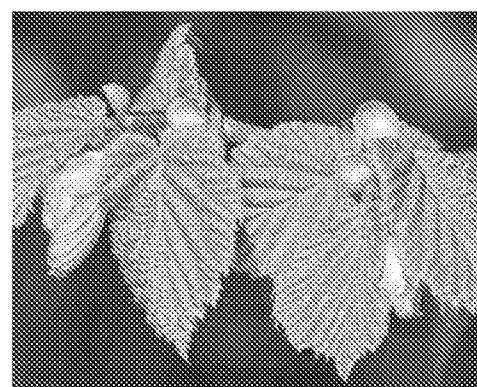
Layout

- 3.4 The principle pedestrian entrance to the proposed student accommodation building would be accessed via a feature boardwalk traversing the attenuation area. Additional access would be gained to the northern apex of the building which would offer further circulation to proposed facilities (cycle storage, refuse storage, bus stop) and connectivity to the existing pedestrian network. Two fire exits are provided to the west of the western wing and south of the eastern wing.
- 3.5 The proposed attenuation basin would be enhanced with wildflower grassland and native shrubs.
- 3.6 The building perimeter would be buffered with native shrub planting to provide privacy to accommodation rooms.
- 3.7 Swathes of wildflower grassland would be created to the north and east of the building.
- 3.8 An area of ornamental planting would enhance the frontage to the Cycle and Bin Store along the existing road, supplemented by feature treeline planting.

Extract A. Landscape Masterplan Strategy



Native tree planting



Native shrub planting



Ornamental planting



Wildflower meadow grassland



Soft Landscape

- 3.9 The soft landscape scheme would enhance the landscape layout and integrate the proposed development into the surrounding context. The objectives of the soft landscape design include:
- *Enhancing the quality of the development;*
 - *Proposing species rich planting to contribute to the Biodiversity Net Gain (BNG);*
 - *Providing a soft landscape scheme that accommodates the potential to adapt to climate related flood risk (SuDS);*
 - *Retention and protection of existing trees on site in accordance with BS 5837:2012.*
- 3.10 Native trees would be proposed along the attenuation basin to form an extension of the surrounding native habitat providing additional foraging and habitat opportunity for wildlife. Native trees would be sourced as Heavy Standard and Multistem stock.
- 3.11 Ornamental trees would be planted along the pedestrian path to add a soft element of verticality and provide year round interest to the site. Ornamental trees would be planted at Extra Heavy Standard stock size.
- 3.12 Proposed native shrub planting would provide structure and add additional habitat to the site. Native shrubs would be also be planted to the perimeter of the building to provide adequate privacy to accommodation rooms.
- 3.13 The attenuation basin within the courtyard would be laid to wildflower turf suitable to seasonally wet conditions. The soft landscape areas to the north, south and east of the proposed accommodation building would be turfed with shade-tolerant wildflower meadow grassland. The wildflower meadows would create a vibrant visual display in the flowering season whilst providing additional habitat for invertebrates.
- 3.14 Proposed ornamental planting would enhance the eastern frontage of bike and bin store. The species proposed to the ornamental bed would further contribute to the setting of the building and facilities.

Group	Species Name	Origins	Container	Density	Specification
Native Tree Planting	<i>Alnus glutinosa</i>	N	RB / CG	Specimen	Heavy Standard; 12-14 cm girth; 3.5-4.0 m height; Min. 2.0 m clear stem height.
	<i>Betula pendula</i>	N	RB / CG	Specimen	Multistem; Min. 4.5 m height.
Ornamental Tree Planting	<i>Gleditsia triacanthos</i> f. <i>inermis</i> 'Sunburst'	O	RB / CG	Specimen	Extra Heavy Standard; 14-16 cm girth; 4.0-4.5 m height; Min. 2.0 m clear stem height.
	<i>Pyrus calleriana</i> 'Chanticleer'	O	RB / CG	Specimen	
Native Shrub Planting	<i>Cornus sanguinea</i>	N	BR	1/m ²	60-80cm height
	<i>Corylus avellana</i>	N	BR	1/m ²	60-80cm height
	<i>Ligustrum vulgare</i>	N	BR	1/m ²	60-80cm height
	<i>Rosa canina</i>	N	BR	1/m ²	40-60cm height
	<i>Sambucus nigra</i>	N	BR	1/m ²	40-60cm height
Ornamental Shrubs	<i>Hebe</i> sp	O	C3	3/m ²	30-40cm height
	<i>Lonicera</i> 'Lemon Beauty'	O	C3	3/m ²	30-40cm height
Herbaceous Perennials	<i>Dryopteris dilatata</i>	O	C3	3/m ²	Full pot
	<i>Persicaria bistorta</i> 'Superba'	O	C2	4/m ²	Full pot
Ornamental Grasses	<i>Calamagrostis acutiflora</i> 'Karl Foerster'	O	C2	3/m ²	Full pot
	<i>Luzula sylvatica</i> 'Aurea'	O	C2	4/m ²	Full pot
Wildflower Meadow	'SuDS Turf' by Wildflower Turf	-	-	-	-
	'Shade Tolerant Turf' by Wildflower Turf	-	-	-	-

KEY:

N	Native
O	Ornamental
RB	Root Balled
CG	Container Grown
BR	Bare Rooted Stock
C2/3/5	2/3/5 L Container Grown Stock

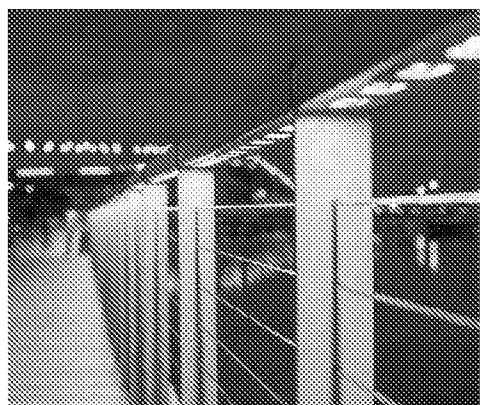
3.15 The existing modified grassland to the southwest of the proposed building and to the eastern section of the site would be retained and managed to preserve existing species diversity.

3.16 Soft landscape areas would be implemented and managed in accordance with the *BNG Assessment (LLD2572-ECO-REP-001)* to contribute to Biodiversity Net Gain to the development.

Outline Plant Schedule and Specification

3.17 The planting palette has been composed to contribute to the local environment and landscape context. The aesthetic aspect has also been considered to bolster the visual amenity for the benefit of the future residents.

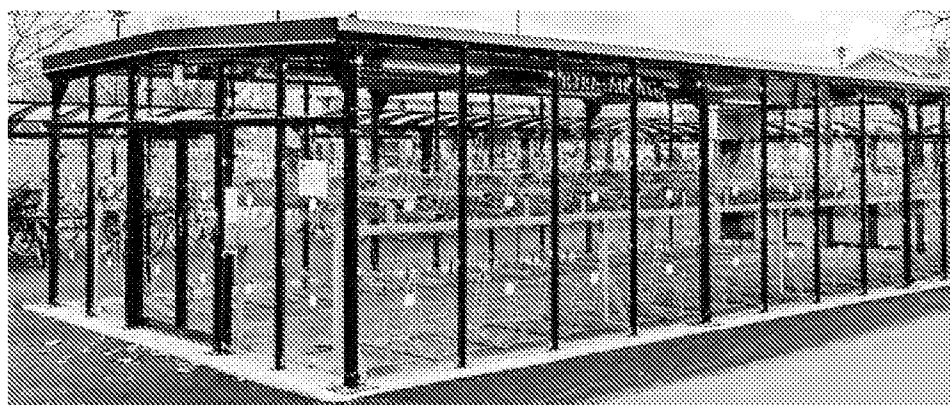
3.18 The soft landscape design proposals includes species recommended in *RHS 'Perfect for Pollinators'*.



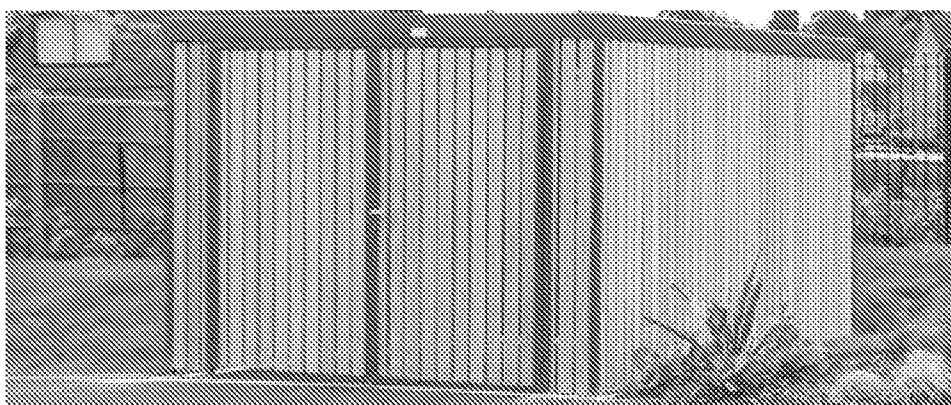
Boardwalks (feature lighting / wayfinding)



Resin Bound Gravel



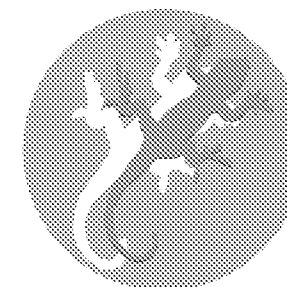
Secure, covered Cycle Storage



Covered Bin Store

Hard Landscape

- 3.19 Hard landscape to the proposal comprises surface treatments to the pedestrian pathways. The objectives of the proposed scheme include:
- *Proposing materials for robustness and durability that complement and enhance the setting of proposed student residential accommodation;*
 - *Proposing materials that would be in keeping with the existing material palette across the campus.*
- 3.20 Proposed raised boardwalks would be constructed to provide appropriate inclusive accessibility to the accommodation in accordance with design guidance. The boardwalks would also create an outdoor extension of the common room facing the courtyard providing an experiential quality of the landscape to the attenuation area.
- 3.21 Proposed boardwalks would be surfaced with anti-slip composite decking of natural timber colour and handrail protection to allow secure access for users. The boardwalks would have the potential to be lit with appropriate lighting to provide an aesthetic appeal and promote safety and wayfinding legibility.
- 3.22 Golden toned resin bound gravel paths would form part of access paths to the proposed building at ground level.
- 3.23 Secure and covered Cycle Storage and Bin Store would be proposed to match existing *Falco* products on Tech Park site.



L I Z A R D

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