

4.0 Landscape Materials

4.2 Soft Materials - Precedent Images

Public Realm



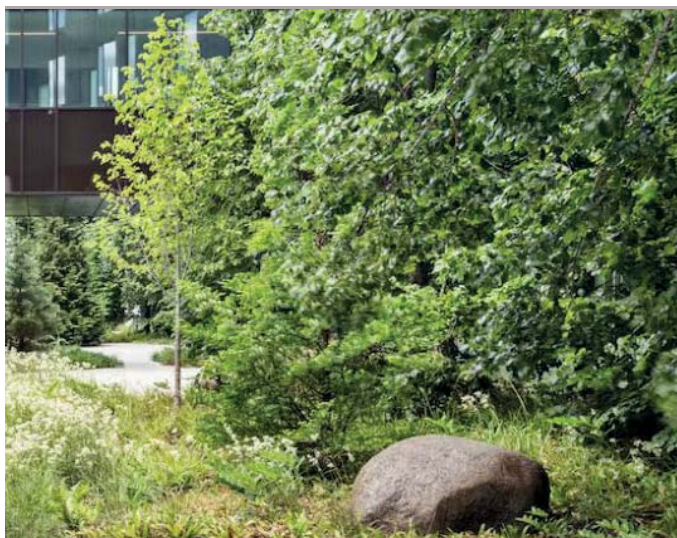
Shade-tolerant Ornamental Planting



Rain gardens

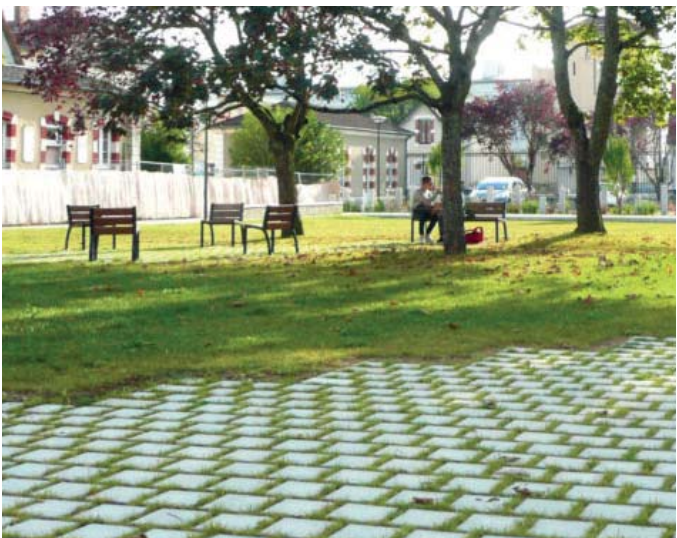


Fern garden



Wildlife Buffer

First Floor Terraces and Roofs



Fire / Maintenance Access Routes
Reinforced Grass System



Communal Rooftop Terraces
Planting in raised planters



Communal Rooftop Terraces
Planting to Private Units



Inaccessible Roofs
Wildflower Habitats

4.0 Landscape Materials

4.2 Soft Materials - Trees



Field Maple
(Acer campestre ‘Elsrijk’)
Non-native
Standard



Cut Leaved Alder
(Alnus glutinosa ‘Laciniata’)
Native cultivar
Standard



Downy Birch
(Betula pubescens)
Native
Standard



Hornbeam
(Carpinus betulus ‘Frans Fontaine’)
Native / Non-native
Standard



Bird Cherry
(Prunus padus)
Native
Standard



Rowan
(Sorbus aucuparia)
Native
Standard

Tree Planting | Multi-stem Trees



Japanese maple
(Acer palmatum)
Non-Native
Multi-stem



Serviceberry
(Amelanchier lamarckii)
Non-native
Multi Stem



White-stemmed Birch
(Betula utilis var. jacquemontii)
Non-native
Multi Stem



Cornelian cherry
(Cornus mas)
Native
Multi-stem



Cornelian cherry
(Crataegus monogyna)
Native
Multi-stem



Rowan
(Sorbus aucuparia)
Native
Multi-stem

4.0 Landscape Materials

4.2 Soft Materials - Wildlife Buffer & Native Hedgrows



Common dogwood
(*Cornus sanguinea*)
Native, Shrub



Common Hawthorn
(*Crataegus monogyna*)
Native, Shrub



Hazel
(*Corylus avellana*)
Native, Shrub



Blackthorn
(*Prunus spinosa*)
Native, Shrub

Buffer Hedge Planting



Common ivy
(*Hedera helix*)
*Native, Evergreen Climber/
Ground cover*



Snowdrop
(*Galanthus nivalis*)
Native, Bulb



Wildflower saffron
(*Colchium autumnale*)
Native, Bulb



Osmanthus x burkwoodii
(*Osmanthus x burkwoodii*)
Non-native, Evergreen Shrub

Refer to drawing: 7962-PHL-SW-00-DR-L-2301
Refer to drawing: 7962-PHL-SW-01-DR-L-2302

4.0 Landscape Materials

4.2 Soft Materials - Mix 1: Ornamental Shrub and Perennials. *Min. 60% of native and pollinator-friendly species.*



Garden lady's-mantle
(*Alchemilla mollis*)
Non-Native, Perennial



Hart's-tongue fern
(*Asplenium scolopendrium*)
Non-native, Evergreen Fern



Balkan clary 'Caradonna'
(*Salvia nemorosa 'Caradonna'*)
non-native



Sweet violet
(*Viola odorata*)
non-native, perennial



Purple coneflower
(*Rudbeckia purpurea*)
non-native, perennial



Oregano, marjoram
(*Origanum laevigatum 'Herrenhausen'*)
non-native, deciduous



Tufted hairgrass
(*Deschampsia cespitosa*)
Native, Grass



Ornamental garlic
(*Allium hollandicum 'Purple Sensation'*)
non-native, bulb



Round-headed garlic
(*Allium sphaerocephalon*)
non-native, bulb



Thyme
(*Thymus spp.*)
non-native, evergreen



Lamb's ear
(*Stachys byzantina*)
non-native, evergreen perennial



Hard Shield-fern
(*Polystichum aculeatum*)
Native, Evergreen Fern

4.0 Landscape Materials

4.2 Soft Materials - Mix 2: Shade-Tolerant Planting. *Min. 60% of native and pollinator-friendly species.*



Wood anemone
(*Anemone nemorosa*)
Native, Perennial



Honeysuckle
(*Lonicera periclymenum*)
Native, Climber/Ground cover



Bugleherb
(*Ajuga reptans*)
Native, Evergreen Perennial



Siberian bugloss
(*Brunnera macrophylla*)
Non-native, Perennial



Stinking hellebore
(*Helleborus foetidus*)
Native, Evergreen



Primrose
(*Primula vulgaris*)
Native, Perennial



Dog-violet
(*Viola riviniana*)
native, perennial



Common Periwinkle 'Alba'
(*Vinca minor 'Alba'*)
Non-native, Evergreen Ground cover



Great Burnet
(*Sanguisorba officinalis*)
Native, Perennial



Oregon grape
(*Mahonia aquifolium 'Apollo'*)
Non-native, Evergreen Shrub



Great wood-rush
(*Luzula sylvatica*)
Native, Evergreen Grass



Mexican orange
(*Choisya 'White Dazzler'*)
Non-native, Shrub

Refer to drawing: 7962-PHL-SW-00-DR-L-2301

Refer to drawing: 7962-PHL-SW-01-DR-L-2302

4.0 Landscape Materials

4.2 Soft Materials - Mix 3: Climbing Plants and Groundcovers. *Min. 60% of native and pollinator-friendly species.*



Common ivy
(*Hedera helix*)
Native, Evergreen Climber/Ground cover



Garden lady's-mantle
(*Alchemilla mollis*)
Non-Native, Perennial



Hart's-tongue fern
(*Asplenium scolopendrium*)
Non-native, Evergreen Fern



Siberian bugloss
(*Brunnera macrophylla*)
Non-native, Perennial



Honeysuckle
(*Lonicera peryclimenum*)
Native, Climber/Ground cover



Bugleherb
(*Ajuga reptans*)
Native, Evergreen Perennial



Primrose
(*Primula vulgaris*)
Native, Perennial



Snowdrop
(*Galanthus nivalis*)
Native, Bulb



Meadow crane's-bill
(*Geranium pratense*)
Non-native, Perennial



Great wood-rush
(*Luzula sylvatica*)
Native, Evergreen Grass



Hard Shield-fern
(*Polystichum aculeatum*)
Native, Evergreen Fern



Common Periwinkle 'Alba'
(*Vinca minor 'Alba'*)
Non-native, Evergreen Ground cover

4.0 Landscape Materials

4.2 Soft Materials - Mix 4: Sensory Planting



Lavender
(*Lavandula officinalis* 'Hidcote')
non-native, evergreen shrub



Curry plant
(*Helichrysum italicum*)
native, evergreen grass



Rosemary
(*Rosmarinus officinalis* 'Prostratus')
non-native, evergreen



Balkan clary 'Caradonna'
(*Salvia nemorosa* 'Caradonna')
non-native



Lemon balm
(*Melissa officinalis*)
Non-native, Perennial



Round-headed garlic
(*Allium sphaerocephalon*)
non-native, bulb



Purple coneflower
(*Rudbeckia purpurea*)
non-native, perennial



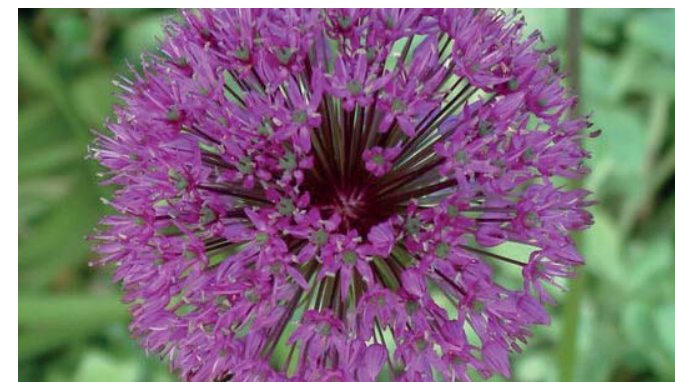
Ramsons
(*Allium ursinum*)
Native, Bulb



Lamb's ear
(*Stachys byzantina*)
non-native, evergreen perennial



Thyme
(*Thymus* spp.)
non-native, evergreen



Ornamental garlic
(*Allium hollandicum* 'Purple Sensation')
non-native, bulb



Sweet violet
(*Viola odorata*)
non-native, perennial

Refer to drawing: 7962-PHL-SW-00-DR-L-2301

Refer to drawing: 7962-PHL-SW-01-DR-L-2302

4.0 Landscape Materials

4.2 Soft Materials - Wildflower Biodiverse Roof *Native and pollinator-friendly species. Completed species list to Supplier's Specification.*



Yarrow
(*Achillea millefolium*)
Native, Perennial



Sea thrift
(*Armeria maritima*)
Native, Perennial



Bellflower glomerata
(*Campanula glomerata*)
Native, Perennial



Common centaury
(*Centaurium erythraea*)
Native, Perennial



Echium vulgare
(*Viper's-bugloss*)
Native, Perennial



Lady's bedstraw
(*Galium verum*)
Native, Perennial



Ragged robin
(*Lychnis flos-cuculi*)
Native, Perennial



Common poppy
(*Papaver rhoeas*)
Native, Perennial



Fox-and-cubs
(*Pilosella aurantiaca*)
Native, Perennial



Yellow rattle
(*Rhinanthus minor*)
Native, Perennial



Small scabious
(*Scabiosa columbaria*)
Native, Perennial



Hybrid Skimmia
(*Sedum acre*)
Native, Groundcover
Evergreen

4.0 Landscape Materials

4.2 Soft Materials - Mix 5 - Shade-tolerant Planting - Raised Planter

Min. 60% of native and pollinator-friendly species.



Bugleherb
(Ajuga reptans)
Native, Perennial
Evergreen



Garden lady's-mantle
(Alchemilla mollis)
Non-Native, Perennial



Bloodtwig Dogwood
(Cornus sanguinea 'Winter flame')
Non-native, Shrub



Tufted hairgrass
(Deschampsia cespitosa)
Native, Grass



Wintercreeper
(Euonymus fortunei 'Emerald Gaiety')
Non-native, Evergreen Shrub



Wild strawberry
(Fragaria vesca)
Native, Perennial



Meadow crane's-bill
(Geranium pratense)
Non-native, Perennial



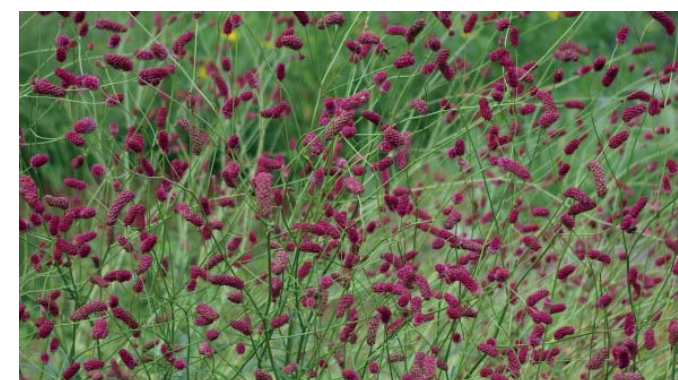
Oregon grape
(Mahonia aquifolium 'Apollo')
Non-native, Shrub
Evergreen



Hybrid Skimmia
(Skimmia confusa 'Kew Green')
Non-native, Shrub
Evergreen



Hard Shield-fern
(Polystichum aculeatum)
Native, Fern
Evergreen



Great Burnet
(Sanguisorba officinalis)
Native, Perennial



Viburnum Eve Price
(Viburnum tinus 'Eve Price')
Non-native, Shrub
Evergreen

Refer to drawing: 7962-PHL-SW-00-DR-L-2301

Refer to drawing: 7962-PHL-SW-01-DR-L-2302

4.0 Landscape Materials

4.2 Soft Materials - Rain Garden Mix

Min. 60% of native and pollinator-friendly species.



Garden lady's-mantle
(Alchemilla mollis)
Non-Native, Perennial



New York aster
(Aster novi-belgii)
Non-native



Remote Sedge
(Carex remota)
native, grass
Evergreen



Wild strawberry
(Fragaria vesca)
Native, Perennial



Meadow crane's-bill
(Geranium pratense)
Non-native, Perennial



Avens
(Geum rivale)
native, perennial



Yellow iris
(Iris pseudoacorus)
Native, Evergreen



Purple loosestrife
(Lythrum salicaria)
Native, Perennial



Great wood-rush
(Luzula sylvatica)
Native, Grass
Evergreen



Cowslip
(Primula veris)
Native, Perennial
Evergreen

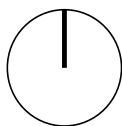


Great Burnet
(Sanguisorba officinalis)
Native, Perennial



Common Periwinkle
(Vinca minor)
Non-native, Ground cover
Evergreen

4.0 Landscape Materials



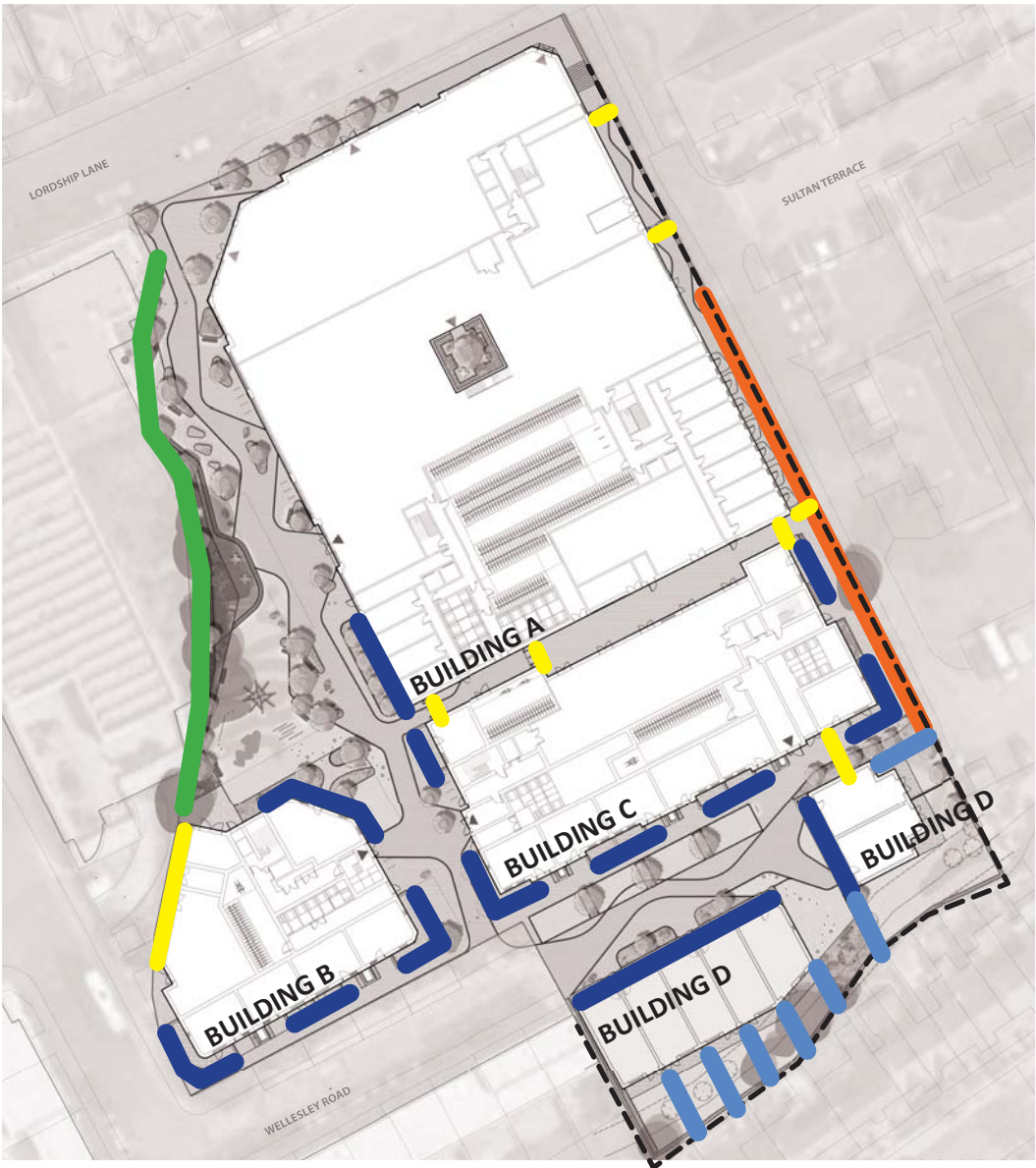
4.3 Boundary Treatment

The landscape design presents a nuanced approach to boundary treatments, carefully tailored to complement the surrounding environment. Retaining the existing boundary walls and trees, where possible, the design integrates new native trees, climbing plants, hedges, and shrubs to establish a wildlife corridor, enriching biodiversity within the development.

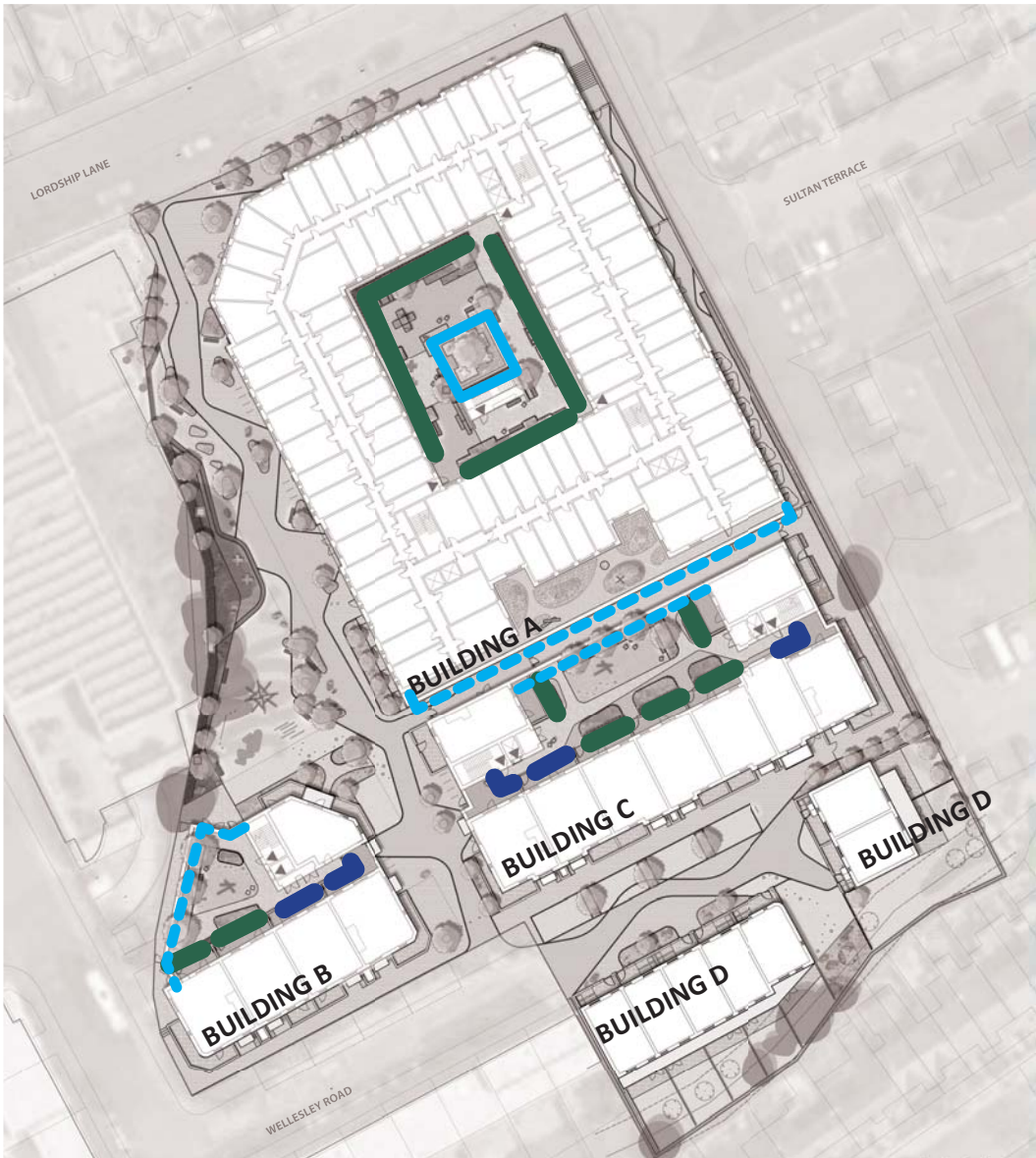
Strategic placement of fences with gated access delineates public and private spaces, ensuring clear demarcation between public and communal open areas and maintenance access points. On the ground floor, private amenity terraces are defined by garden walls, as illustrated in the architectural information. Existing boundary walls that are to be retained are softened with planting, either forming a biodiversity corridor or with climbing plants.

In response to Secure by Design assessments, heightened protection measures are proposed for courtyards and terraces. A 1.5-metre-high defensible boundary, comprising buffer planting and a balustrade, is suggested. Additionally, a 1.8-metre-high glass screen within Building A's courtyard serves fall mitigation purposes while preserving views of the atrium garden below. Buffer planting is strategically positioned in front of habitable rooms and balconies to maintain privacy.

Ground Floor Plan



First Floor Plan



- Treatment Type 01** Fence and gate access. Fob controlled access gates to provide residential privacy & security. Refer to Architect's details.
- Treatment Type 02** Garden Wall / Railing to Private Terrace. Refer to Architect's details.
- Treatment Type 03** Boundary Garden Wall. Refer to Architect's details.

- Treatment Type 04** High Hedge and Wall to Private Terraces (1.5m)
- Treatment Type 05** Climbing plants to Existing Wall
- Treatment Type 06** Wildlife and Biodiversity Corridor. Tree, shrub and wildlife planting mix with fencing. Refer to section 4.2 for additional information.

- Treatment Type 07** Protective 1.8m high Balustrade. Refer to Architect's details.
- Treatment Type 08** Buffer Wall to the Rooftop. Refer to Architect's details.
- Boundary Wall** Existing boundary wall to be retained



4.0 Landscape Materials

4.4 Furniture

The furniture strategy for the site is intricately woven into its context, serving not only functional purposes such as providing seating and cycle parking but also acting as a defense mechanism for pedestrians. Positioned strategically, these elements guide users along designated routes and define specific spaces within the site.

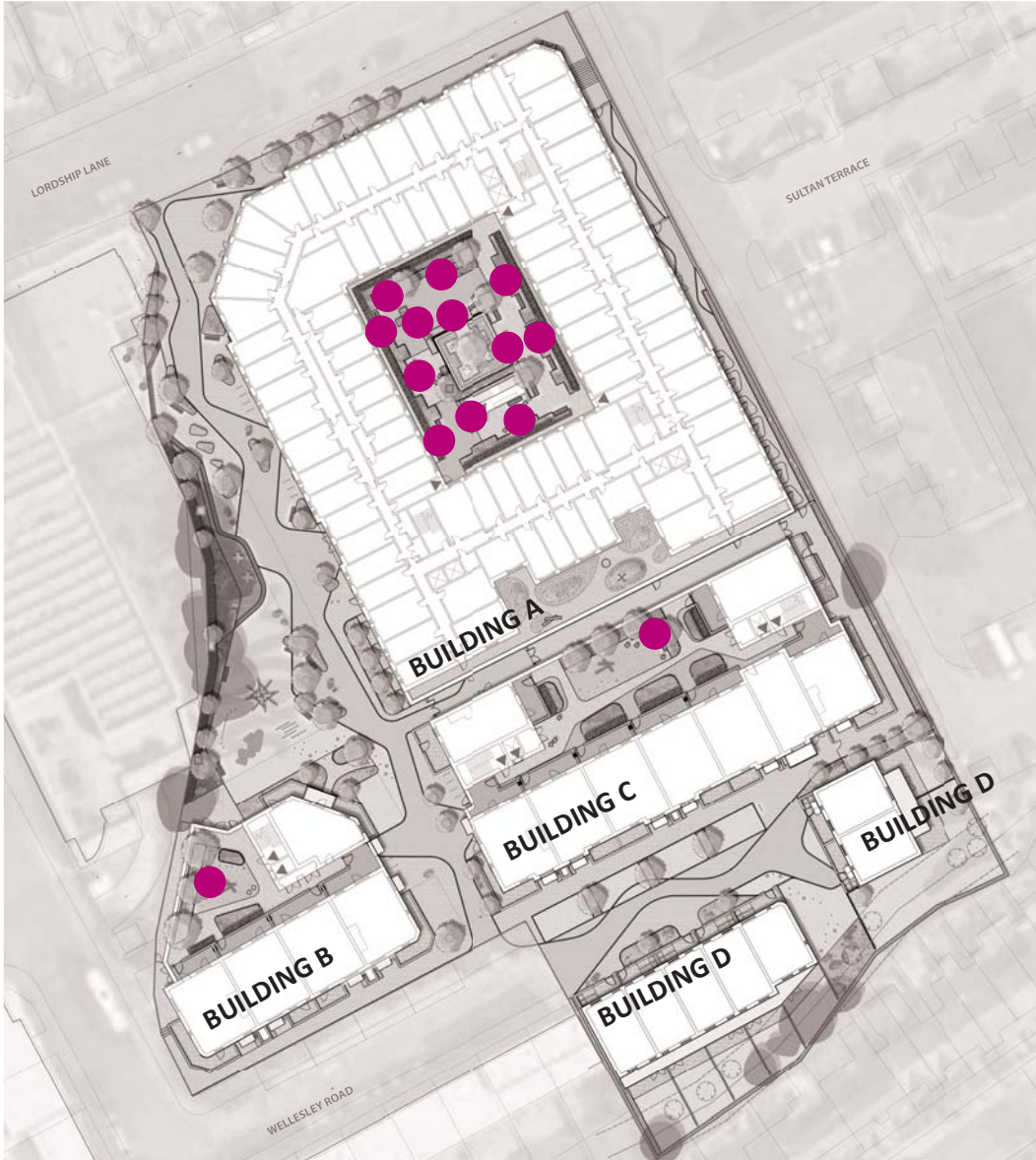
Along Lordship Lane, movable planters with trees and colorful planting inject vibrancy into the street scene, complementing the active frontage of the building. In the Urban Green Space, fixed planters and cycle stands harmonize with the playful landscape design and in-ground planting to create natural routes and spaces for lounging, learning, working and playing.

Within courtyards and terraces, a diverse array of furniture offers residents various seating, lounging, and outdoor working opportunities. Each piece is thoughtfully designed to align with the overarching themes of the roof terrace and courtyard spaces, ensuring coherence throughout the site.

Ground Floor Plan



First Floor Plan



Legend:

- Fixed Seating
- Moveable Planters (With Integrated Seating)
- Cycle Stands - 28 short-stay bicycle spaces (14 Sheffield stands)

4.0 Landscape Materials

4.4 Furniture - Precedent Images



Cor-Ten Steel Moveable Planter With Timber Seating



Moveable Planter With Backrest Seating



Fixed Bench Seating (Armrests and Backrests)



Bicycle Stands



Cor-Ten Steel Raised Planters
Rooftop Terraces



Seating Steps



Fixed Seating - Lounge chairs



Interactive Seats

5.0 Biodiversity and Sustainability

The landscape proposals prioritize biodiversity as a central element. To enhance the ecological value of the site, a range of measures have been implemented, including the preservation of existing trees whenever feasible and the creation of diverse habitats across different levels of the buildings. Notably, the rooftops feature a combination of intensive and extensive roofs, incorporating Wildflower (green), Biosolar and Biodiverse roof designs.

In addition to these features, complementary measures have been introduced:

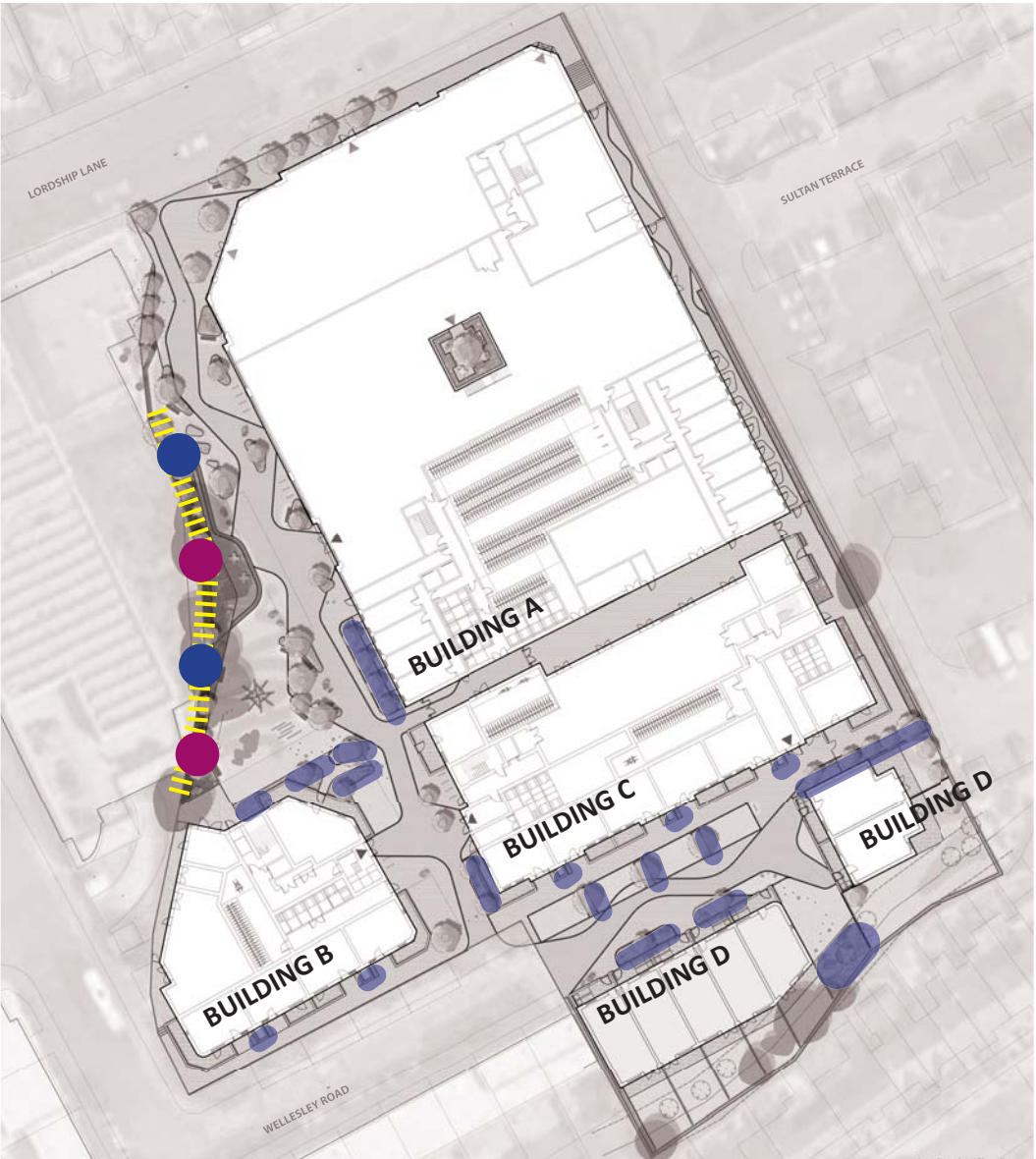
Pollinator Plants

Throughout the planting scheme, a variety of wildflowers and shrubs are proposed to offer shelter, nectar, and pollen to invertebrates, thereby promoting biodiversity.

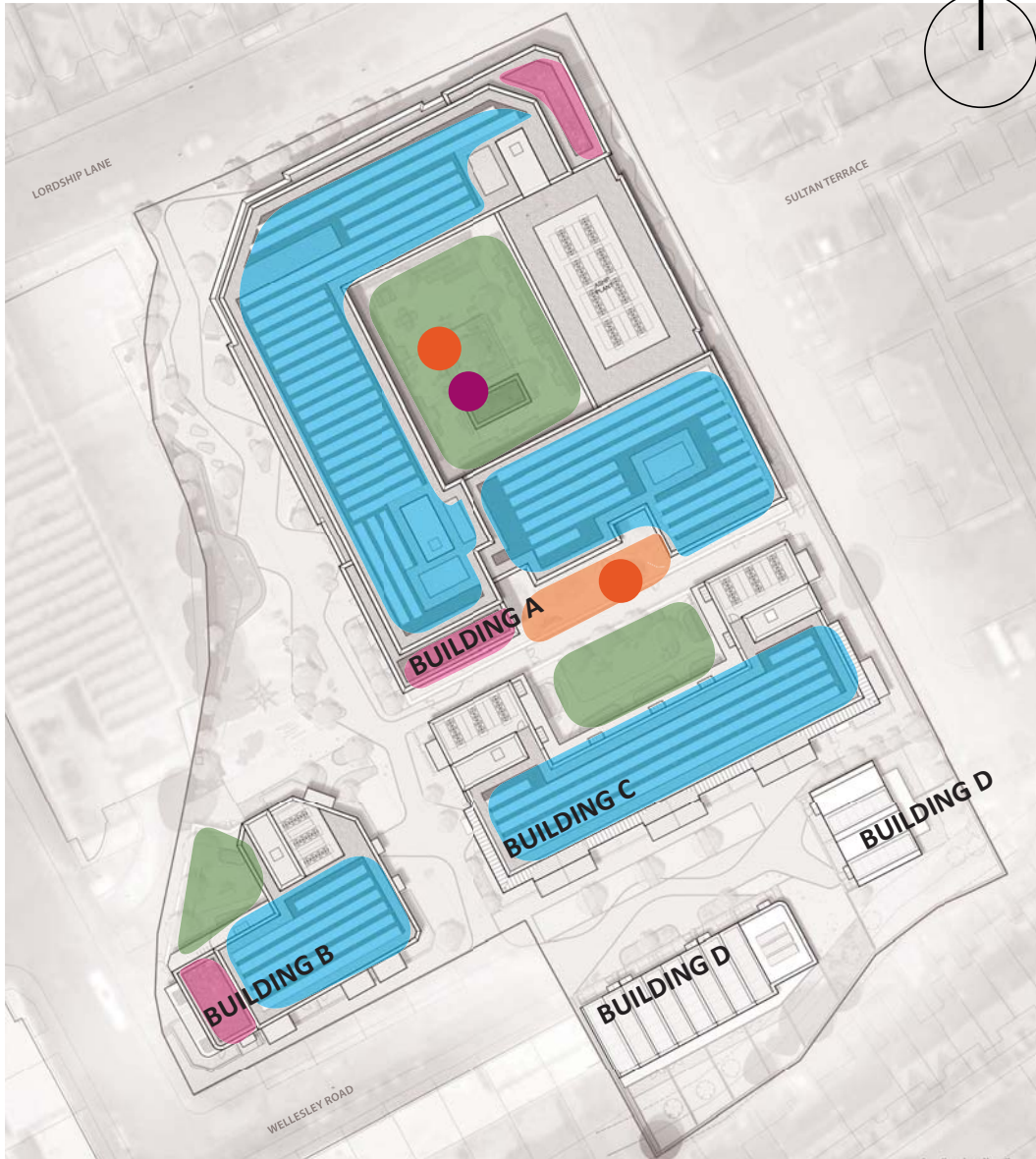
Insect Hotels

Strategically placed throughout the landscape, insect hotels provide safe retreats for insects, fostering biodiversity and ecological balance within planted areas.

Ground Floor Plan



First Floor and Roof Plan



Legend:

- | | |
|-----------------------|-----------------------------------|
| Wildlife Shrub Buffer | Intensive Green Roof |
| Rain Gardens | Extensive Green Roof - Wildflower |
| Insect Hotels | Extensive Green Roof - Biosolar |
| Bat Boxes | Extensive Green Roof - Biodiverse |
| Bird Boxes | |

Refer to drawing: 7962-PHL-SW-00-DR-L-2301
Refer to drawing: 7962-PHL-SW-01-DR-L-2302

5.0 Biodiversity and Sustainability

5.1 Precedent Images



Bird box
(details to be provided by the Ecologist)



Bird box - Building A Courtyard
(details to be provided by the Ecologist)



Insect Hotels



Bat box
(details to be provided by the Ecologist)



Pollinator friendly planting



Rain Garden



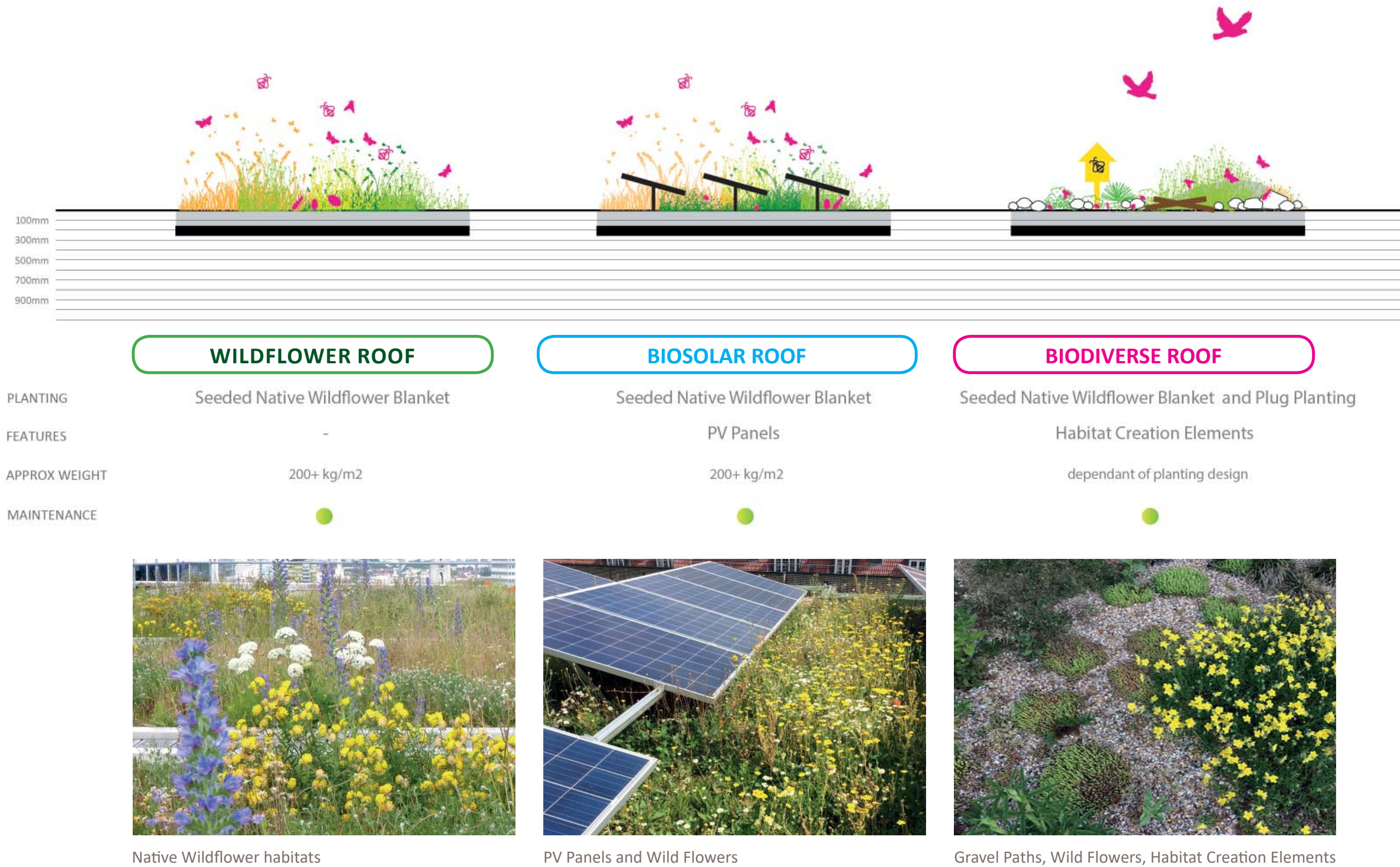
Diversity of Planting



Wildflower habitats

5.0 Biodiversity and Sustainability

5.2 Roof Typology

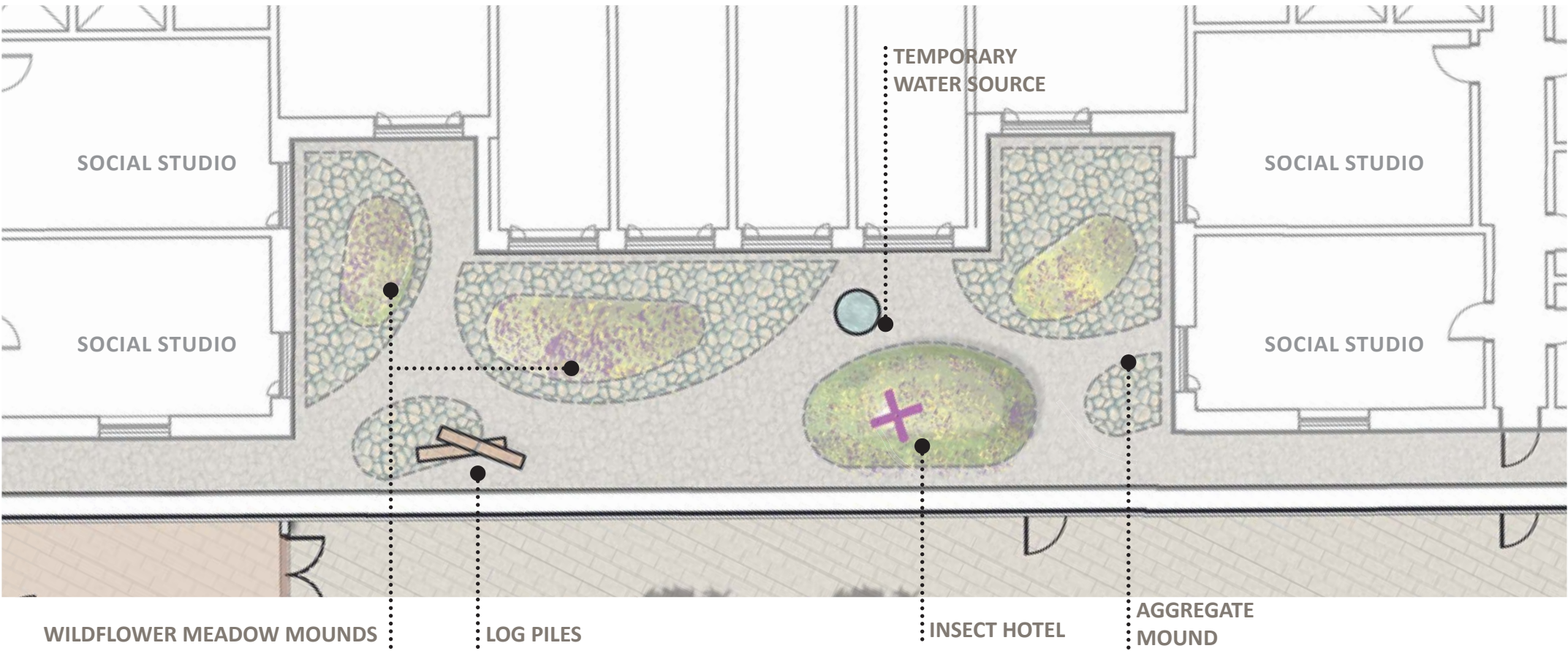


5.0 Biodiversity and Sustainability

5.3 Wildlife Roof Garden

Building A’s first-floor southern roof hosts a wildlife garden tailored to provide a sanctuary for invertebrates. This garden features diverse environments, including rubble mounds with native wildflowers, log piles, and insect hotels. The flat surfaces are finished with gravel, allowing for occasional maintenance access. This thoughtfully crafted environment not only supports biodiversity but also offers aesthetic appeal when viewed from surrounding windows.

Further details are available in the ecologist’s report.



BUILDING C Residential Communal Rooftop Terrace Plan | NTS | Refer to drawing: 7962-PHL-SW-00-DR-L-2002



Meandering Gravel Paths



Dappled shade tolerant wildflower seeded and plug planting



Insect hotel / Art Element



Log Piles & Aggregate Mounds



6.0 Summary

In summary, the proposed landscape design represents a significant enhancement of the outdoor environment, revitalizing a large building and car park area into a vibrant, appealing mixed-use development. Seamlessly weaving the development into the surrounding landscape character, it sets a precedent for future urban regeneration in its vicinity.

Through meticulous material selection and an expansive planting scheme, the design makes a noteworthy positive contribution to the character and ecological quality of the space. It addresses the community's need for accessible public open space, offering a welcoming environment for both residents and visitors.

The breakdown of open space allocation provided in this report underscores the ample provision for various types of outdoor areas, ensuring a well-balanced mix of public, communal, and private amenities. These are:

- Public Open space: 2030m²
- Communal Open space: 636m²
- Private Amenity (including private terraces): 946m²
- Play provision: 850m²

This report encapsulates the essence of the proposal, elucidating the evolution of the design with explanatory text and imagery. Emphasizing usability, green infrastructure enhancement, and outdoor amenity space optimization, the design demonstrates a commitment to maximizing the site's potential.

Furthermore, the proposed scheme demonstrates sensitivity to its context and surroundings, aligning with local and national policies while facilitating a regeneration process that addresses the needs of the community and fosters sustainable development.





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