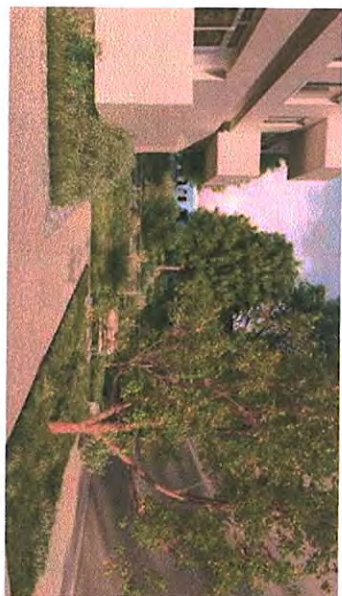


6 Landscape Design

Promenade and Gather Zones, Analysed Plan

- 1. We have maintained a primary access route that runs as a promenade around the edge of the plinth allowing people to view the ecology area beyond.
- 2. Along this route we have created landscaped pockets that create opportunities for informal play, but also seating for people to pause or gather.
- 3. While everyone will have their own amenity space, we feel that it is crucial within a development to give opportunities to sit amongst the gardens - in sun or shade, alone or in groups.



6 Landscape Design

Promenade and Gather Zones, Views



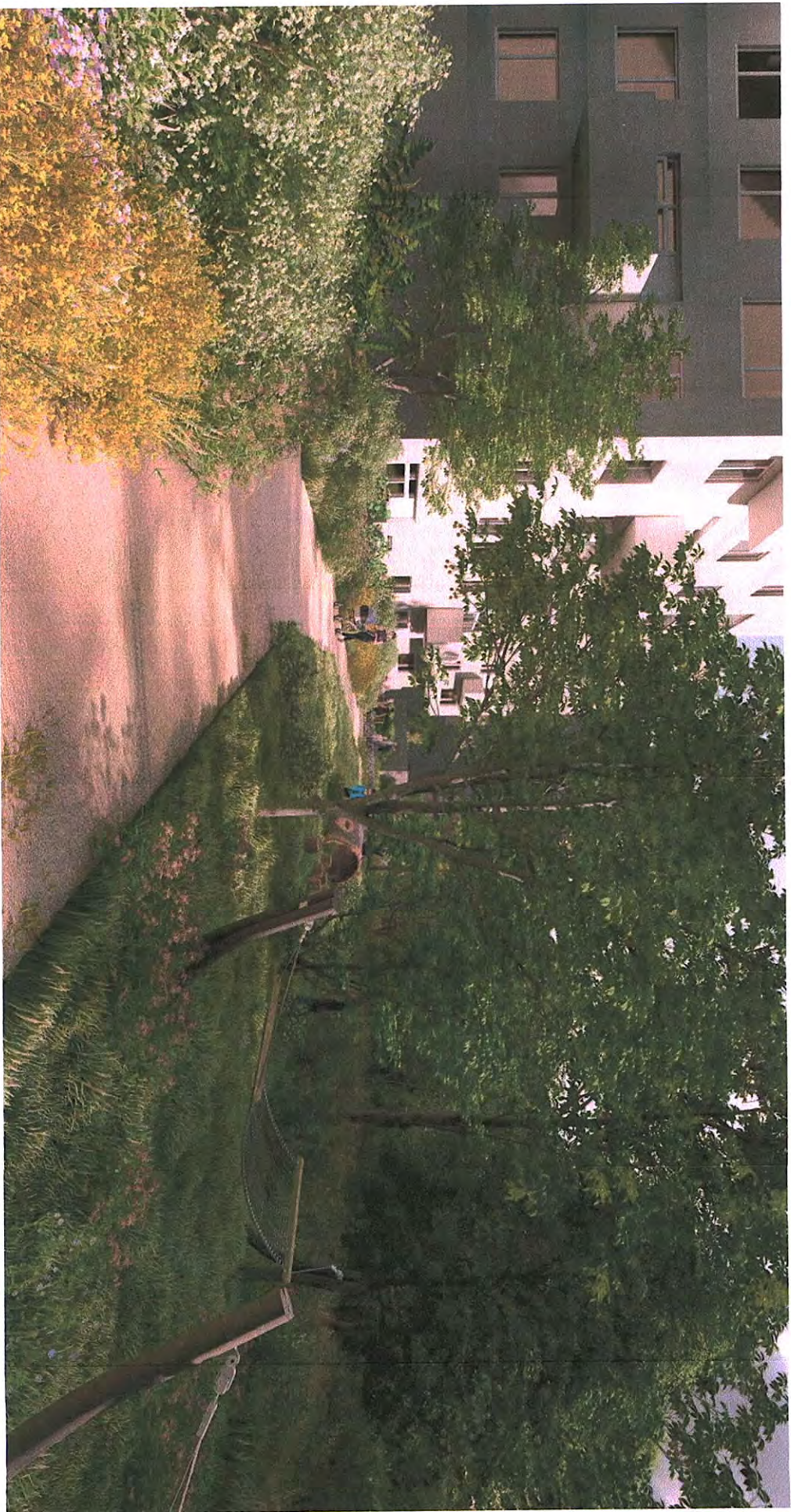
6 Landscape Design Nature Trail

1. To the south of the site we have had the opportunity to create a nature trail that allows for genuinely natural play - utilising natural play features - adjacent to the reinstated ecology buffer.
2. The joy of this type of play space is that it enables all of the residents to benefit from the immediate engagement with the natural environment, as it is not formal "equipment".



6 Landscape Design

Nature Trail, Views



6 Landscape Design Nature Trail

1. To add to the benefit and educational benefit of the nature trail we will include bird boxes, bug hotels and composting beds.



6 Landscape Design

Ecology zone

As roofs are not accessible (except for maintenance), they are proposed to be 'bio-solar roofs'. This comprises a combination of two systems, one for an extensive green roof, and the other a photovoltaic solar panel array. The benefits of such a system are:

- Despite some areas being below PV panels, the entire roof qualifies as biodiverse green roof.
- Renewable energy generation.
- Uses 100% recycled high-density polyethylene (HDPE) base board
- Enhances biodiversity of green roof. Adding shaded areas within a green roof encourages varied wild life, which may not be present without the PV panels.



7 Play Strategy

With the increase in numbers of units - the chield yield has increased on the site and as such so has the quantum of required play.

The largest play area on the site aims to prove an inclusive experience for all ages. A large swing set including one inclusive basket swing has been designed providing a space for teenagers to meet and hang out, as well as younger chiildren. The area ties into the locally available play spaces that already exist on Plevna Crescent, in addition to adding a new form of play facility.

Throughout the site the play is open to all and varied - with the majority being in the form of natural play elements. With in the nature trail we have allowed for hammocks which can act as play from young children all the way through to adult.



7 Play Strategy

GLA Population Yield Calculator

	1 bed	2 bed	3 bed	4 bed
Market and Intermediate Units	37	38	12	0
Social Units	6	11	2	1
Total Units	107			

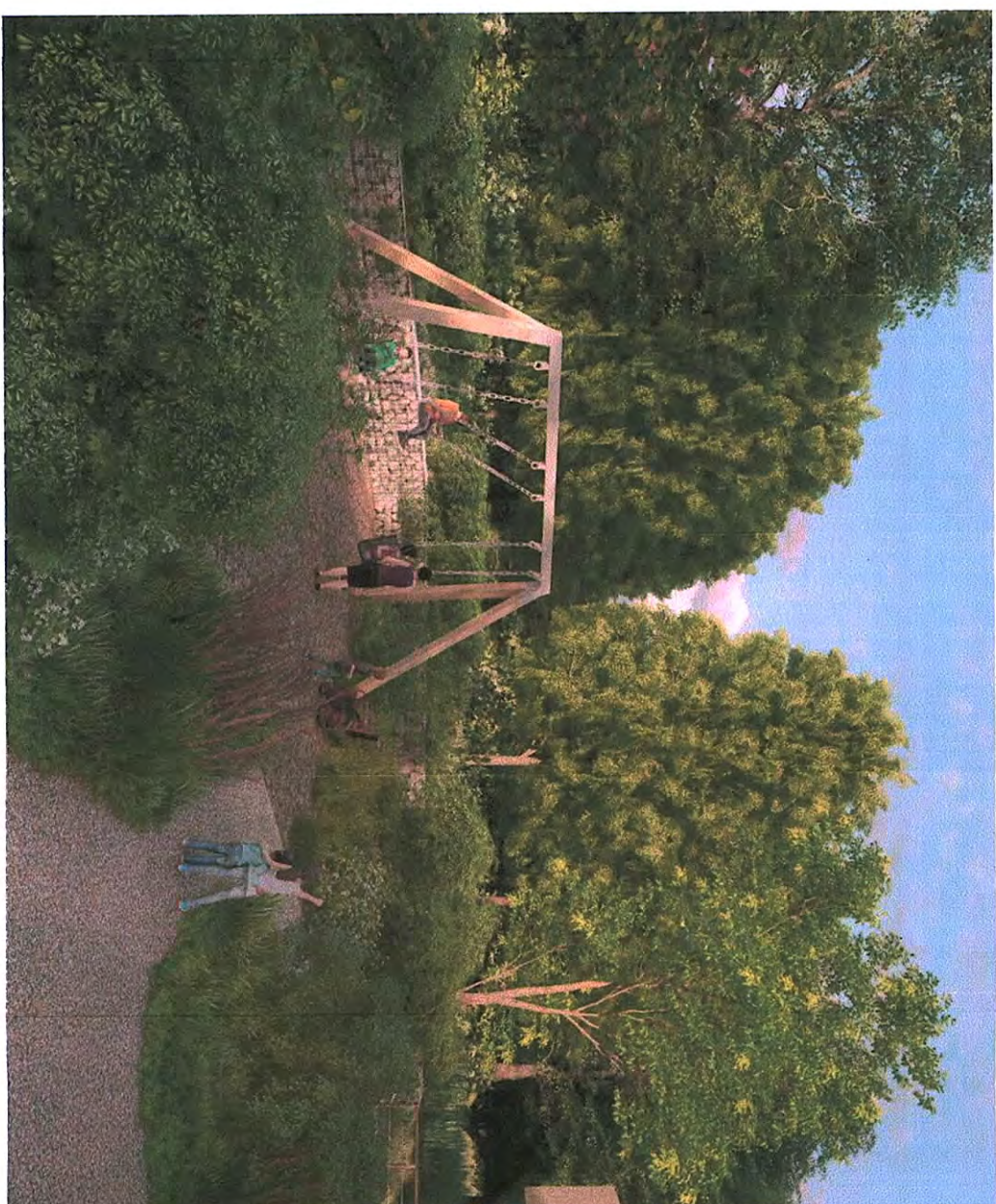
Yield from Development (persons)	Market & Intermediate	Social	Total
Ages 0, 1, 2, 3 & 4	8.4	8.5	16.9
Ages 5, 6, 7, 8, 9, 10 & 11	5.6	6.5	12.1
Ages 12, 13, 14 & 15	1.3	2.9	4.3
Ages 16 & 17	0.7	1.5	2.2
18-64	150.8	31.3	182.0
65+	3.6	0.7	4.3
Total Yield	170.4	51.5	221.9

Play Space Calculator		
Total Children	35.5	
	Benchmark (m ²)	Total play space (m ²)
Play space requirement	10	355.1

Play Space Provided 468m2



7 Play Strategy
Play Space view



6 Landscape Design
Nature play view



7 Materials
Surfaces and furniture



Pig Slats



Resin Bound Gravel



Hoggin



Metal edging



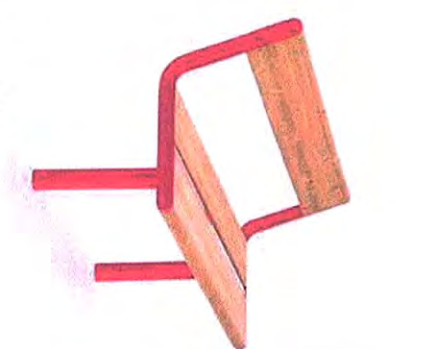
Boulders by CED Stone



Hammock



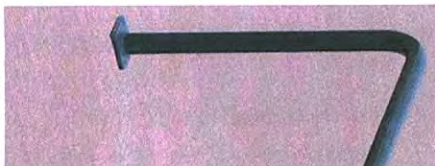
Stepping Stumps



April Bench - Vestre



April Chair - Vestre



Sheffield Stand - Vestre

8 Biodiversity Overview

The site currently has mixed ecological value as while there is a significant amount of vegetation - some of the condition is not as good as it could be.

This project is likely to deliver a significant increase in the habitat biodiversity value of the Site.

Throughout the scheme we are ensuring that we are enhancing the potential for habitat creation. These include:

- In the ecology zone - a pond area is created which allows for significant additional habitats with marginal planting.
- Bug hotels, bird/ bat boxes are integrated
- Standing piles of wood.

We are also aware that there has been a reduction of existing habitat and to make up for this we are planning to enhance the quality of the existing woodland that is on site. This will be done through copicing, inclusion of new native species, underplanting and areas of standing wood.



9 Planting Approach

The main concept of the planting design is to establish a green oasis that provides a tranquil setting for the new buildings. To achieve this, a combination of native trees and a mixture of native and non-native plants, which are adaptable to changing climate conditions, will be used. The aesthetic aspect of the planting design will consist of a blend of shrubs that provide structure throughout the year, along with ephemeral planting such as grasses and colourful perennials. The chosen planting will cater to all the senses, incorporating scented flowers for olfactory delight, tactile elements for a sensory experience, and soothing grasses that create a gentle rustling sound. This holistic approach to planting design aims to create an immersive and inviting environment for both residents and visitors alike.



10 Planting Palette
Furniture



Quercus robur



Acer campestre



Carpinus betulus



Prunus avium



Betula pendula



Sorbus aucuparia



Quercus ilex



Pyrus calleryana

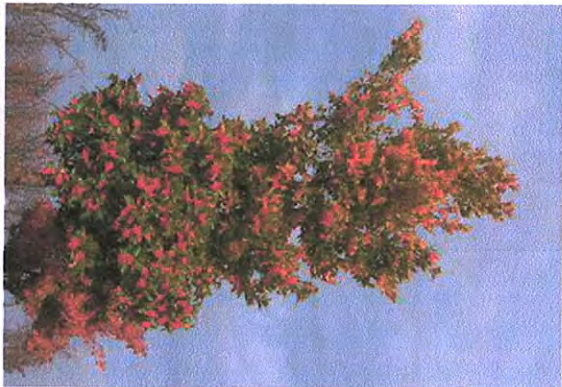


Betula pubescens



Betula nigra

10 Planting Palette Furniture



Crataegus laevigata 'Carrierei'



Amelanchier lamarckii



Crataegus monogyna



Sorbus aria



Prunus padus



Malus sylvestris



Native hedge

10 Planting Palette
Defensible Planting - Shrubs



Eleagnus angustifolia



Rosa glauca



Rosa pimpinellifolia



Sarcococca hookeriana



Hydrangea paniculata



Hydrangea serrata



Cotinus cogrygia 'Young Lady'



Mahonia 'Soft cares'

10 Planting Palette

Defensible Planting - Perennials and Ground Cover



Carex muskingumensis



Astrantia major



Anemone hupehensis



Geranium macrorhizum



Pachysandra terminalis



Adiantum molle

10 Planting Palette

Ornamental Planting - Shurbs

ORNAMENTAL PLANTING

Shrubs



Mahonia 'Soft caress'



Sambucus nigra 'Black Lace'



Cotinus corymbosa 'Young Lady'

10 Planting Palette Ornamental Planting - Perennials and Ground Cover



Sporobolus heterolepis



Sesleria nitida



Sesleria autumnalis



Sesleria autumnalis



Stipa calamagrostis



Calamagrostis 'Karl Foerster'



Geranium pratense



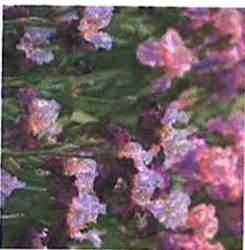
Primula veris



Centaurea nigra



Astrantia major



Iris germanica



Amsonia hubrichtii



Verbena bonariensis



Veronicastrum albicum

10 Planting Palette

Ornamental Planting - Perennials and Ground Cover



Salvia nemerosa ssp.



Sedum spectabile



Daucus carota



Anthriscus



Baptisia australis



Aster divaricatus



Phlox divaricatus



Rodgersia podophylla



Salvia nemerosa ssp.



Allium sphaerocephalon

10 Planting Palette

LOW GROWING ECOLOGICAL PLANTING

Furniture MEADOW



Iris pseudacorus



Carex pendula



Lobelia cardinalis



Allya reptans



Campanula glomerata



Geranium 'Rozanne'



Iris sibirica



Calamagrostis brachytricha



Deschampsia cespitosa



Aquilegia vulgaris



Silene dioica



Linaria vulgaris



Lychnis flos-cuculi



Valeriana officinalis

WOODLAND EDGE ECOLOGICAL
PLANTING



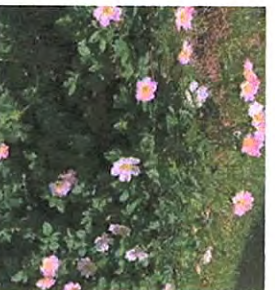
Viburnum opulus



Sambucus nigra cultivars



Rosa rugosa



Rosa canina



Cornus sanguinea



Ribes sanguineum



Achillea millefolium



Aquilegia vulgaris



Alchemilla mollis



Bupleurum rotundifolia



Campanula persicifolia



Centaurea cyanus alba



Digitalis purpurea Apricot



Geum Mrs



Geranium pratense



Hesperis matronalis



Hypericum perforatum



Knautia arvensis



Leucanthemum vulgare



Lunaria annua



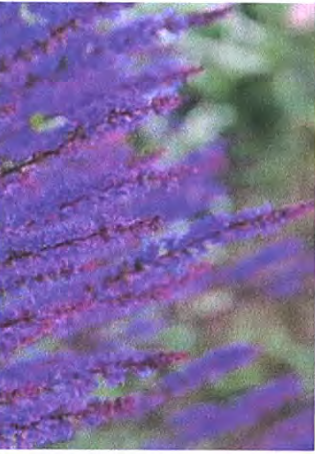
Linum rubrum



Primula veris



Silene dioica



Salvia nemorosa



Valeriana officinalis

MARGINAL PLANTING



Achillea millefolium



Agrostemma githago



Cardamine pratensis



Centaurea



Clarkia unguiculata



Daucus carota



Filipendula ulmaria



Geum rivale



Deschampsia cespitosa



Geranium pratense



Linaria vulgaris



Sanguisorba officinalis



Saponaria officinalis



Trollium rubens

Development Area



11UGF Nominally Whole Site



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This document is A3 and drawings are/are not shown
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