



## MEADOWS HALL RHP

Landscape Design  
14.09.2022

P03

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## 1.2 Design Drivers

### HUMAN NATURE

- Encourage biodiversity
- Human/nature interaction
- Soft and formal spaces

### INCLUSIVE APPROACH

- Pedestrian orientated
- Spaces for all ages
- Safe and welcoming
- Inclusive access

### LEGACY

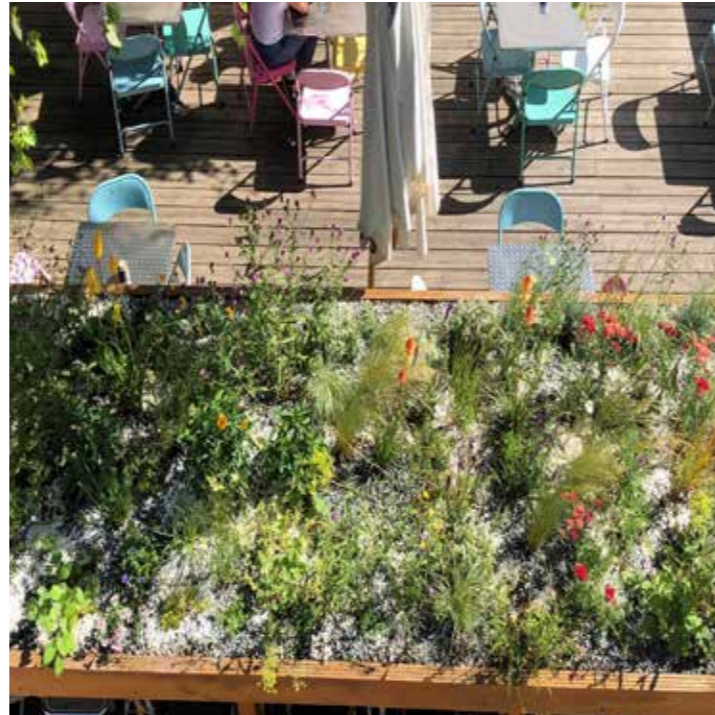
- Community
- Identity



### 1.3 Design Aspirations



Timber Pergola with communal table & chairs



Green Roof to Cycle Store



Residential access and planting



Feature/ Playable bench



Feature Focal tree



Natural Boulders in planting for play



## 2.0 LANDSCAPE PROPOSAL

## 2.0 Landscape Masterplan

The landscape design seeks to provide the following:

- Retain existing trees where possible as to assimilate the proposed built form into its context,
- Any loss of existing vegetation aims to be mitigated against with proposed planting as to promote biodiverse connectivity and amenity value,
- A hierarchy of hard surfaces finishes aim to promote clear pedestrian access strategy in and around the residential blocks,
- A courtyard with opportunities for outdoor dining and socialising, bound by ornamental planting in raised planters with integrated seating,
- Rear gardens to the mews blocks will aim to provide a range of hard and soft spaces through a series of terraces.

### KEY

- 01. Pedestrian Arrival and Entrance
- 02. Communal Courtyard
- 03. Private terraces
- 04. Communal Garden
- 05. Refuse & Cycle storage



## 2.1 Hard Scape strategy

The hard landscaping scheme has been designed to be high quality, robust and hard wearing. The surface finish seeks to become part of the overall drainage strategy too, through the use of permeable block pavers where possible.

The colours, sizes have been selected to compliment each other whilst providing a clear and legible hierarchy of spaces.



High quality paving concrete sett



High quality paving concrete blocks



Feature paving



COMPOSITE DECKING



High quality loose gravel



Boulders & stepping



SCulptural bench



Retaining wall for level change



Bench



Tree grille



Timber fence



Proposed gate & railing



Steps responding to levels change with associated handrails



Pergola with table & chairs



Cycle store with green roof

## 2.2 Soft scape Strategy

The trees and shrubs play a pivotal role in the landscape strategy. There will be a subtle transition in character from naturalistic to more formal areas.

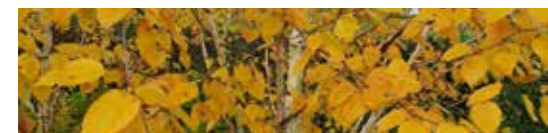
Lining the facade where possible with shrubs and trees will create a dappled 'green' screen to give privacy to residents.

Existing trees are retained along all boundaries to maintain a mature canopy cover.





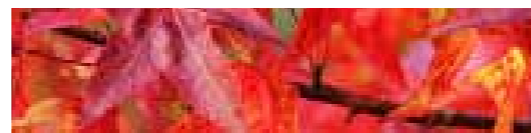
## 2.3 Indicative Trees and Espalier trees



*Betula utilis* var. *jacquemontii* (Buj)  
Multi-stem, Height: 3.0-3.5m, Eventual Spread: 10m



*Amelanchier lamarckii* (Al)  
Multi-stem, Height: 3.0-3.5m, Eventual Spread: 12m



*Liquidambar styraciflua* (Ls) Extra Heavy Standard,  
18-20cm girth, Height: 4.5-5.0m, Eventual Spread: 12m



*Acer griseum* (Ag) Extra Heavy Standard,  
18-20cm girth, Height: 4.0-4.5m, Eventual Spread: 10m



*Sorbus aucuparia* (Sa) Extra Heavy Standard,  
18-20cm girth, Height: 4.5-5.0m, Eventual Spread: 7m



*Cornus kousa* (Ck)  
Multi-stem, Height: 3.0-3.5m, Eventual Spread: 5m



*Malus domestica* 'Cox's Orange Pippin'  
2-tier espalier apple trees (large)



*Malus domestica* 'Golden Delicious'  
2-tier espalier apple trees (large)



*Malus domestica* 'Laxton's Superb'  
2-tier espalier apple trees (large)



*Pyrus communis* 'Doyenné du Comice'  
2-tier espalier pear trees (large)



*Pyrus communis* 'Conference'  
2-tier espalier pear trees (large)



*Pyrus communis* 'Beurré Hardy'  
2-tier espalier pear trees (large)

## 2.2 Soft scape Strategy

The planting approach at Meadows Hall site aims to balance ecology, amenity and aesthetics.

A combination of evergreen ground covers balance deciduous shrubs and herbaceous perennials. Particular attention is given to plants that attract pollinating insects and can provide habitat's for invertebrates.

Throughout the design low maintenance planting is a preference and the species proposed are those that require occasional and simple maintenance visits throughout the year.

The ecology report recommends the following entrancements:

- ● 1No. Bumblebee Box
- ● 1No. Bug hotel

For full details of the site ecology, please refer to the full report. Note final locations of the above recommendations should be confirmed by an ecologist on site.



### KEY

- FULL SUN/ PARTIAL SHADE MIX - PERENNIAL & HERBACEOUS
- WILD MEADOW LAWN
- SHADE MIX - SHRUBS & FERNS
- GREEN ROOF MIX - SEDUM BLANKET
- BULBS

## 2.4 Planting strategy - Full Sun/partial shade mix Palette



Astrantia major



Hydrangea 'Annabelle' AGM



Stipa tenuissima



Hakonechloa macra



Hebe whitewand



Aster frikartii



Hydrangea serrata



Hypericum hidcote



Pennisetum alopecuroides



Lavandula angustifolia



Rudbeckia fulgida



Verbenia bonariensis



2.5 Planting strategy - Shade mix Palette



Geranium 'Johson's Blue'



Alchemilla mollis



Liriope muscari



Geranium macrohizum



Brunnera macrophylla



Polystichum setiferum



Cyrtomium fortunei



Asarum europaeum



















Crocus chrysanthus 'Snow Bunting'



Tulipa 'Red Emperor'

## 2.6 Urban Greening Factor

| Urban Greening Factor Calculator  |        |                        |              |                          |
|---|--------|------------------------|--------------|--------------------------|
| Surface Cover Type  | Factor | Area (m <sup>2</sup> ) | Contribution | Notes                    |
|  Semi-natural vegetation (e.g. trees, woodland, species-rich grassland) maintained or established on site.   | 1      | 20                     | 20           |                          |
|  Wetland or open water (semi-natural; not chlorinated) maintained or established on site.  | 1      | 0                      | 0            |                          |
|  Intensive green roof or vegetation over structure. Substrate minimum settled depth of 150mm.  | 0.8    | 0                      | 0            |                          |
|  Standard trees planted in connected tree pits with a minimum soil volume equivalent to at least two thirds of the projected canopy area of the mature tree. | 0.8    | 336                    | 268.8        | 12NO. Trees at 6m spread |
|  Extensive green roof with substrate of minimum settled depth of 80mm (or 60mm beneath vegetation blanket) – meets the requirements of GRO Code 2014.        | 0.7    | 26                     | 18.2         |                          |
|  Flower-rich perennial planting.   | 0.7    | 90                     | 63           |                          |
|  Rain gardens and other vegetated sustainable drainage elements.   | 0.7    | 0                      | 0            |                          |
|  Hedges (line of mature shrubs one or two shrubs wide).  | 0.6    | 0                      | 0            |                          |
|  Standard trees planted in pits with soil volumes less than two thirds of the projected canopy area of the mature tree.                                      | 0.6    | 20                     | 12           |                          |
|  Green wall –modular system or climbers rooted in soil.  | 0.6    | 0                      | 0            |                          |
|  Groundcover planting.   | 0.5    | 25                     | 12.5         |                          |
|  Amenity grassland (species-poor, regularly mown lawn).   | 0.4    | 93.5                   | 37.4         |                          |
|  Extensive green roof of sedum mat or other lightweight systems that do not meet GRO Code 2014.  | 0.3    | 0                      | 0            |                          |
|  Water features (chlorinated) or unplanted detention basins.   | 0.2    | 0                      | 0            |                          |
|  Permeable paving.   | 0.1    | 40                     | 4            |                          |
|  Sealed surfaces (e.g. concrete, asphalt, waterproofing, stone).   | 0      | 315                    | 0            |                          |
| <b>Total contribution</b>   |        |                        | <b>435.9</b> |                          |
| <b>Total site area (m<sup>2</sup>)</b>  |        |                        |              | <b>1,044</b>             |
| <b>Urban Greening Factor</b>  |        |                        |              | <b>0.417528736</b>       |

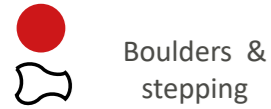
Based on the current design, we are aching an UGF score of 0.41, against a target of 0.4.



## 2.7 Play space calculation & Play space palette

Play is situated in the Communal Garden next to the Mews units. It is integrated into the overall design to create a cohesive environment for all ages. It is combined with a mix natural play elements to encourage free, imaginative and educational play. The key features are boulders and stepping stones.

As indicated in the below table, the required play space is approximately 21.5m<sup>2</sup>. The current proposals provide approximately 56m<sup>2</sup>.



Boulders & stepping



Sculptural bench

### GLA Population Yield Calculator

|                               | 1 bed | 2 bed | 3 bed | 4 bed |
|-------------------------------|-------|-------|-------|-------|
| Market and Intermediate Units | 2     | 3     | 0     | 0     |
| Social Units                  | 7     | 0     | 0     | 0     |

**Total Units** 12

Geographic Aggregation **London**

PTAL **PTAL 5-6**

**Notes**  
 Sample size of 27 sites  
 Shaded cells require user input  
 Select both geography and PTAL  
 For developments in Outer London with PTAL 5-6 use [London/PTAL 5-6] or [Outer London/3-4] to calculate yield

### Yield from Development (persons)

|                             | Market & Intermediate | Social      | Total       |
|-----------------------------|-----------------------|-------------|-------------|
| Ages 0, 1, 2, 3 & 4         | 0.5                   | 0.7         | 1.1         |
| Ages 5, 6, 7, 8, 9, 10 & 11 | 0.3                   | 0.4         | 0.7         |
| Ages 12, 13, 14 & 15        | 0.0                   | 0.1         | 0.2         |
| Ages 16 & 17                | 0.0                   | 0.1         | 0.1         |
| 18-64                       | 8.3                   | 8.6         | 16.9        |
| 65+                         | 0.2                   | 0.2         | 0.4         |
| <b>Total Yield</b>          | <b>9.3</b>            | <b>10.1</b> | <b>19.4</b> |

### Play Space Calculator

Total Children **2.1**

|                        | Benchmark (m <sup>2</sup> ) | Total play space (m <sup>2</sup> ) |
|------------------------|-----------------------------|------------------------------------|
| Play space requirement | 10                          | 21.5                               |



## 2.8 Landscape Maintenance

Hard landscape materials, have been carefully considered in order to maximise longevity and integrity of the wearing course. The materials have been chosen for their robust nature, while not compromising their visual quality to fit in with the local vernacular.

As with any investment in landscape comes the adage that, 'it is not what it is today, but what it becomes tomorrow'. A maintenance specification will be produced and incorporated into the planting specification.

A maintenance specification will address issues such as tree crown development and irrigation requirements to ensure the trees in particular are properly established and shaped in accordance with the design aims. Maintenance operations would include, but not be limited to the following:

Hard Landscape:

- Weed treatment
- Sweep/Wash down
- Mechanical cleaning
- Chewing gum removal
- Litter removal
- Inspection
- Repairs/Replacement
- Replacement of damaged elements

Soft Landscape:

- Weed treatment
- Dead wooding
- General pruning
- Fertilisation
- Watering
- Pest and disease treatment
- Checking stakes/guys
- Meadowland cut back



Routine Soft Landscape Maintenance



Watering during establishment and continued lifetime

Project Name: Meadows Hall RHP  
Project Number : LN00651



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