

7.0 Soft Landscape

Arboretum Tree species

These tree have been chosen to create a distinct attractive and contrasting tree form across the site. The avenues creates a bold and established backdrop to the development which also acts to delineate the main through routes or boundary.



*Parrotia persicaria*

8m High x 10m Spread. In autumn, this deciduous tree is a breathtaking sight, as its large, smooth, wavy-edged leaves turn brilliant yellow, then orange and finally blaze fiery red before falling. In late winter and early spring

*Sorbus aria 'Lutescens' - Callery Pear*

10m High x 8m Spread

. Silvery young leaves striking feature tree. The foliage remains grey-green throughout the summer, with bunches of white flowers in late spring and dark red berries in autumn.

*Davidia involucrata - Handkerchief Tree*

15m High x 10m Spread

An unusual, deciduous tree with gorgeous heart-shaped, dark green leaves with white bracts that surround the small flowers in late

*Liriodendron tulipifera 'Worplesdon' - Sweetgum*

12m High x 6m Spread

A large, elegant fast growing tree. It has distinct three lobed leaves and insignificant flowers in June/July. It has good red autumn

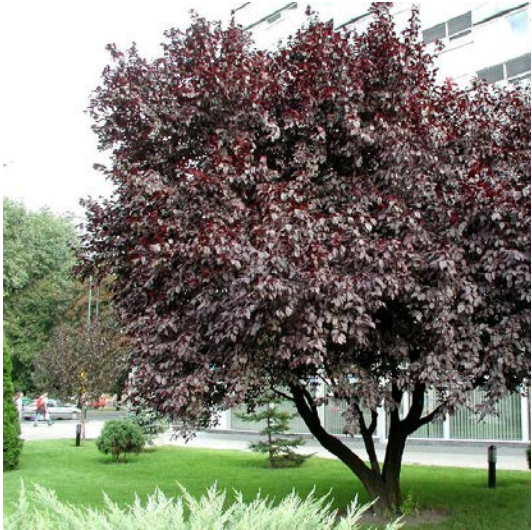
*Fagus sylvatica 'Dawyck Purple' - Copper Beech*

10m High x 3m Spread. Fastigate form of the common beech, offers red foliage in the spring that turns a beautiful deep purple in the summer and brown in the autumn. A beautiful neatly shaped slender tree.

7.0 Soft Landscape

Orchard Tree species

The orchard is located within the north east of the site. It will include fruiting trees and also include pollinating trees and cherries and the groves are to be set out within a grid arrangement typical of an arboretum.



*Malus domestica*

7m High x 5m Spread

It is a small to medium-sized deciduous trees with showy flowers in spring and ornamental or edible fruit in autumn; good autumn foliage

*Malus hupehensis*

7m High x 5m Spread

It is a small to medium-sized deciduous trees with showy flowers in spring and ornamental or edible fruit in autumn; good autumn foliage colour.

*Malus domestica 'Cox's Orange Pippin'*

3m High x 4m Spread

'Cox's Orange Pippin' is a desert cultivar on a MM106 (semi-dwarfing) root stock growing to 3-4m. Spacing between trees 3.6 with 4.5m

*Crataegus monogyna*

10m High x 8m Spread

Fragrant white flowers in May, followed by spherical, glossy, dark red fruit, and deeply lobed, glossy, dark green leaves.

*Prunus cerasifera Pissardii*

10m High x 10m Spread

A spectacular, deciduous tree, with purple, oval leaves. Masses of blush white flowers smother its bare branches in early to mid

7.0 Soft Landscape

SUDs Tree species

Using a mixture of differing tree species which are ideally suited to the potential high water table the trees also offer contrasting leaf shape, blossom, berry and bark interest working together to produce a natural informal park with seasonal interest.

|                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                      |                                                                                                                                                                                          |                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                            |                                                                                                                                                            |
|                                                                                                                                                                     |                                                                                                                                                                                         |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                           |                                                                                                                                                           |
| <div><p><i>Crataegus monogyna</i>-Common Hawthorn</p><p>8m High x 10m Spread</p><p>One of a our native small trees, it a covered in white blossom in spring. Good autumn leaf colour a fruiting berries for wildlife adds to its attraction.</p></div> | <div><p><i>Betula nigra</i> - River Birch</p><p>20m High x 8m Spread</p><p>A large, deciduous tree with gracefully arching branches, beautiful pink-brown bark which exfoliates to reveal a creamy white underneath and gives a fantastic display all year round.</p></div> | <div><p><i>Salix x sepulcralis</i> ‘Chryscoma’ - Golden Weeping Willow</p><p>20m High x 20m spread</p><p>A large elegant tree has golden yellow new branches that weep to the ground witch are decorative in winter months. It have attractive narrow leaves which turn yellow in autumn, and yellowy catkins in spring.</p></div> | <div><p><i>Alnus glutinosa</i> - Common Alder</p><p>20m High x 6m Spread</p><p>A large, elegant fast growing tree great value to wild life. Its long narrow male catkins in spring upporting caterpillars, butterflies and moths but also 90 insect species as well as small birds. Ideally suited near water and on very poor soil.</p></div> | <div><p><i>Populus nigra</i> - Black Poplar</p><p>20m High x 9m Spread</p><p>A rare large, fast-growing, broad-headed tree, it was once common on flood plains and in river valleys. Glossy dark green leaves turn yellow in autumn.</p></div> |

7.0 Soft Landscape

| No. | BOTANICAL NAME                       | COMMON NAME          | SYMBOL SIZE | TYPE |
|-----|--------------------------------------|----------------------|-------------|------|
| 1   | Acer davidii                         | Snake bark Maple     | 12-14cmg    | RB   |
| 2   | Acer platanoides 'Crimson Sentry'    | Maple                | 18-20cmg    | RB   |
| 3   | Acer platanoides 'Drummondii'        | Maple                | 18-20cmg    | RB   |
| 4   | Amelanchier lamarckii 'Robin Hood'   |                      | 16-18cmg    | RB   |
| 5   | Alnus cordata                        | Italia Alder         | 16-18cmg    | RB   |
| 6   | Betula nigra                         | Birch                | 14-16cmg    | RB   |
| 7   | Betula utilis subsp. jacquemontii    | Birch                | 16-18cmg    | RB   |
| 8   | Betula utilis subsp. jacquemontii    | Birch                | multistem   |      |
| 9   | Betula pendula                       | Birch                | 16-18cmg    | RB   |
| 10  | Crataegus flora plena'               | Hawthorn             | 14-16cmg    | RB   |
| 11  | Crataegus monogyna                   | Hawthorn             | 14-16cmg    | RB   |
| 12  | Davidia involucrata                  | Handkerchief Tree    | 16-18cmg    | RB   |
| 13  | Fagus sylvatica 'Dawyck'             | Fastigate Beech      | 16-18cmg    | RB   |
| 14  | Fagus sylvatica purpurea             | Copper Beech         | 16-18cmg    | RB   |
| 15  | Liquidambar styraciflua 'Worplesdon' | Sweetgum             | 16-18cmg    | RB   |
| 16  | Liriodendron tulipifera              | Tulipa Tree          | 18-20cmg    | RB   |
| 17  | Malus domestica                      | Apple                | 12-14cmg    | RB   |
| 18  | Malus dom' 'Christmas Pippin'        | Apple                | MM106 12L   |      |
| 19  | Malus dom' Cox's orange Pippin'      | Apple                | MM106 12L   |      |
| 20  | Malus hupehensis                     | Crab Apple           | 12-14cmg    | RB   |
| 21  | Malus Pink Profusion                 | Flowering Crab Apple | 12-14cmg    | RB   |
| 22  | Malus 'Royalty'                      | Crab Apple           | 12-14cmg    | RB   |
| 23  | Parottia persicaria                  |                      | 12-14cmg    | RB   |
| 24  | Plantanus hispanica                  | London Plane         | 18-20cmg    | RB   |
| 25  | Populus nigra                        | Black Poplar         | 18-20cmg    | RB   |
| 26  | Prunus 'Amanagoawa'                  | Cherry               | 12-14cmg    | RB   |
| 27  | Prunus cerasifera 'Pissardii'        | Purple leaf Cherry   | 12-14cmg    | RB   |
| 28  | Prunus serrula                       | Paperbark Cherry     | 12-14cmg    | RB   |
| 29  | Prunus x subh' 'Autumnalis'          | Flowering Cherry     | 12-14cmg    | RB   |
| 30  | Pyrus callerayana 'Chanticleer'      | Pear                 | 16-18cmg    | RB   |
| 31  | Pyrus salicifolia Pendula            | Willow leaf Pear     | 12-14cmg    | RB   |
| 32  | Quercus robur                        | Oak                  | 25-30cmg    | RB   |
| 33  | Quercus rubra                        | Red Oak              | 25-30cmg    | RB   |
| 34  | Sorbus aria lutescens                | Whitebeam            | 16-18cmg    | RB   |
| 35  | Tilia cordata 'Greenspire'           | Lime                 | 20-32cmg    | RB   |
| 36  | Ulmus 'New Horizon'                  | Elm                  | 16-18cmg    | RB   |
| 37  | Salix x sepulcralis                  | Gold Weeping Willow  | 20-25cmg    | RB   |

Proposed Plant Schedule



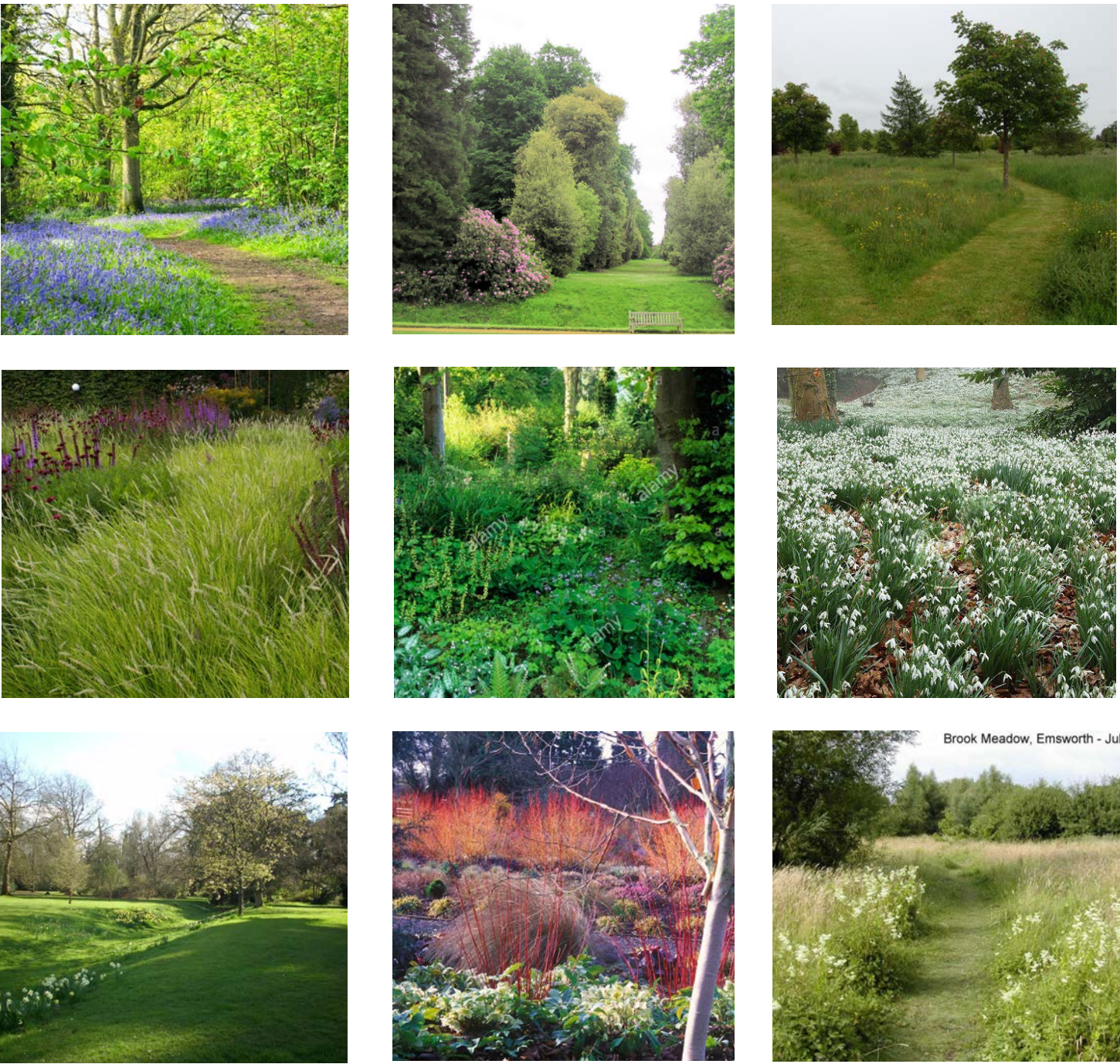
7.0 Soft Landscape

Planting Palette - Grasses

Using differing grass regimes through the park will add considerable texture and rhythm to supplement the network of footpaths and roads. Informal footpaths will be cut through areas of amenity and wildflower grasslands and flowering bulbs will add seasonality to the grounds.

The species of grasses will be selected to create:-

- 1. Beech and Bluebell Walks;
- 2. Mown grass footpaths through the arboretum;
- 3. Wildflower meadow grasslands with mown paths;
- 4. Ornamental grasses and soft herbaceous drifts;
- 5. An understory to the Woodland planting;
- 6. Snowdrop drifts;
- 7. Mown short grass areas with mixed Daffodil drifts;
- 8. Autumn and winter colour;
- 9. Mown paths through mixed meadow grass areas.



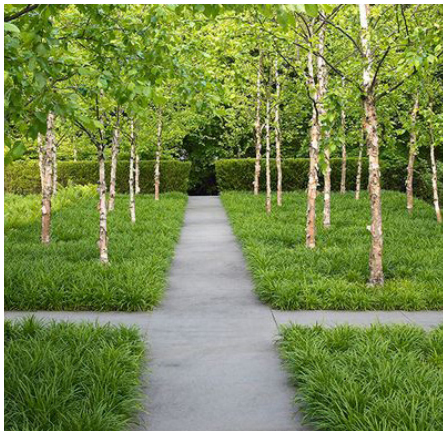
7.0 Soft Landscape

Materials Palette - Hedges

The Phase B site retains a number of existing mixed hedgerows which are used to define and sub-divide the spaces proposed. Where hedgerows are proposed these are mixed native and used to extend the existing hedgerow framework or help to frame the existing pond in views when arriving from the east.

The native species mix RSPB Hedge Mix is proposed which includes - Hawthorn, Blackthorn, Field Maple, Damson, Elderberry, Blackberry, Hornbeam, Beech, Alder, Guelder Rose all of which are essential in supporting the ecological element to the park. .

- 1. Crataegus monogyna berries - Hawthorn
- 2. Sambucus Elder berries
- 3. Corylus avellana - Hazel hedging
- 4. Crataegus monogyna - Hawthorn
- 5. Fagus sylvatica - Beech
- 6. Betula nigra - River Birch with low hedging around.
- 7. Prunus spinosus - Blackthorn
- 8. Viburnum opulus - Gelder rose
- 9. Living Willow hedge



7.0 Soft Landscape

Aquatics and Marginal Plant Species

1. Native species sourced from sustainable and locally produced nurseries is preferable;
2. The selection would require management in order to prevent a dominant species chocking the less robust species;
3. Bog Plants: These are species that grow in waterlogged or seasonally inundated areas rather than within the water column. Planting density of 20 plants per Sq.M.
4. Marginal plants: These can be planted at or just above the water's edge at a maximum planting depth of 350mm. Planting density of 8 plants per Sq.M of 7cm plugs.
5. Emergent plants are planted in the water column to a planting depth of 0-500mm. If the area is likely to dry out and the overall depth is less than one meter, Planting density of 8 plants per Sq.M.
6. Submergents species include floating plants such as water lilies and oxygenating plants for example pond weeds. These plants should be totally submerged or floating in the water column. Planting density is dependant on species however 1-4 plants per Sq.M.
7. Oxygenating species are sold in leaded bunches that can just be dropped in the water and others, such as bog bean, creep along the surface and can be dropped in as bare root plants. Water lilies are sold in baskets, which should be submerged under the water up to 5M depth which allows the leaves to float on the surface.

SUDs planting to include:

1. Iris psuedoacorus
2. Carex rostrata
3. Mentha aquatica
4. Salix purpurea
5. Filipendula ulmaria
6. Ranunculus flammula
7. Licnis flos- cuculi
8. Festuca rubra
9. Juncus artiulatus
10. Ceratophyllum demersum
11. Nymphaea allba



8.0 Play Strategy

Introduction

Play through the site will be approached as a layered and multifaceted element within the public realm with the creative use of colours and shapes that challenge the senses and lead to more dynamic and exciting spaces.

These well-designed recreational facilities are not stand-alone elements within the public realm but instead act as integrated and inclusive parts of the broader park landscape. Strict boundaries between user types will only be inserted where necessary as successful play areas cater for the needs of users in a flexible way.

Play space within the site will provide a diversity of experiences to cater for the residential component of the development, as well as going some way to providing a new recreational destination for the wider community in its own right.

The play strategy will encourage exploration and discovery by providing environments and pieces of equipment that stimulate children and adults to interact with the natural setting of the site in entirely new ways. All the senses will be engaged and elements of the play environment will be suitable for both able-bodied and disabled play. The location of play has been positioned as a direct response to the site and the specific functional requirements necessary of each play area. However overall the aspiration for play is to create multiple layers of functions and generate regular rhythm in usage over time.

Play is considered in terms of dedicated areas of play in the form of play zones and the links between these, culminating in the identification of specific Play typologies summarised below:

**Sport** - focussed around the cricket pitch with natural grass amphitheatre and tennis courts;

**Natural Play/Landscape Mounding** - Informal areas of play encompassing landform as a key play component with stands of trees and mixed regime of grasses stimulating play in and around these elements;

**Natural Play/SUD's** - contain areas connected with water: ponds surrounding, marginal planting, decking and SUD's with planting. There are some boulders, timber logs, plants that can be use for informal play;

**Natural Play/Trim Trail** - contain areas with natural play equipment, timber logs, stepping stone, balance beams and climbing rocks;

**Informal Play /Nature** - provides access to natural objects, sensory planting and features in a managed, well-maintained setting, which will allow for a different range of play opportunities and experiences.

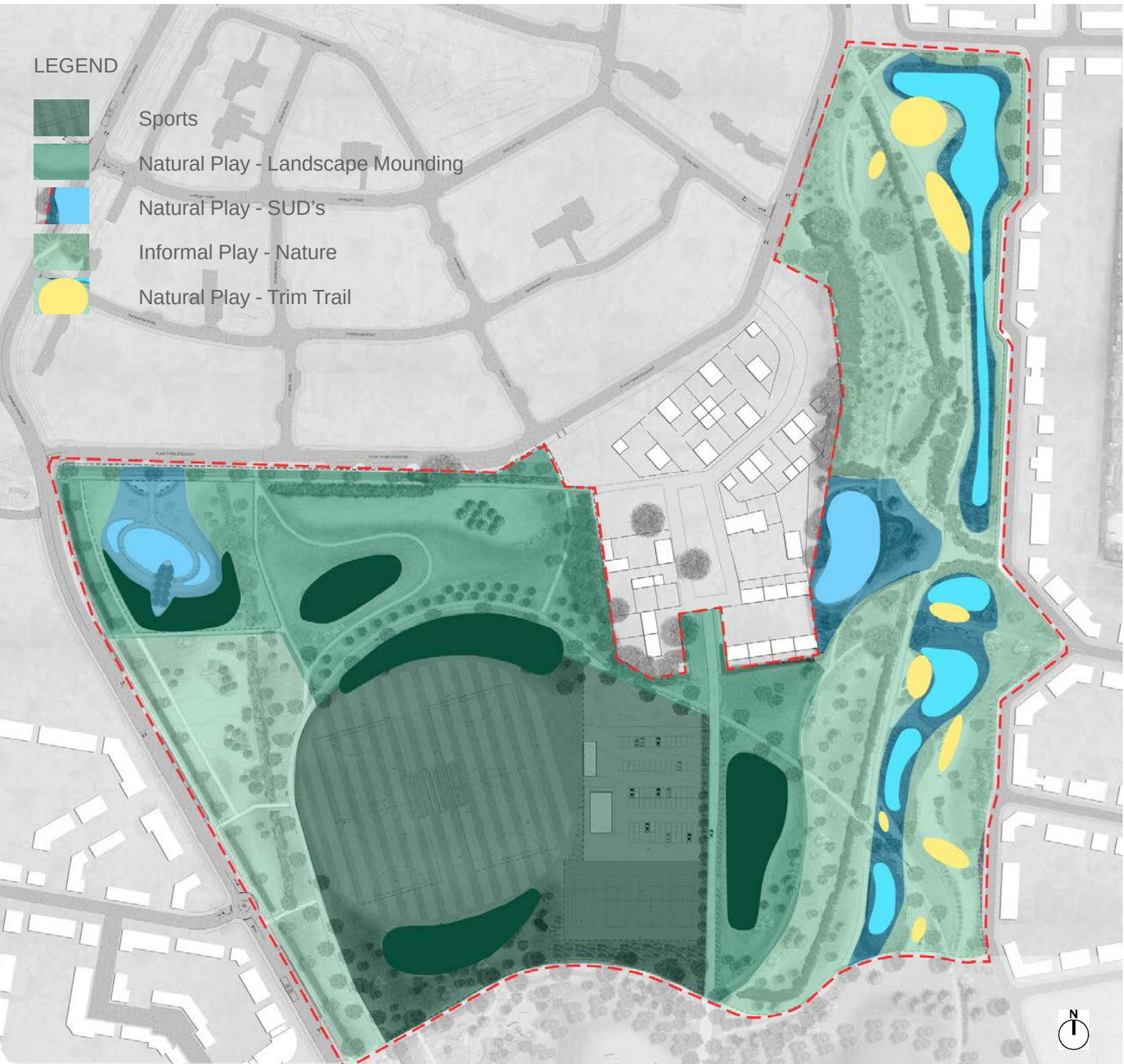


Figure 1.15 - Diagram illustrating the proposed Play strategy.

8.0 Play Strategy

Sports

Phase B creates dedicated areas for formal sport through the creation of a cricket pitch and associated buffer which accommodates a grass amphitheatre positioned to afford spectator viewing of the pitch. tennis courts are also grouped around the central clubhouse and changing facility.

The park also encourages solo and group activities such as running, cycling and walking through the network of footpaths across phases A and B.



Figure 1.16 - Diagram illustrating the area for Sports.

8.0 Play Strategy

Natural Play - Landscape Mounding

Good play spaces make the most of changes in level to help create a variety of spaces internally, and in doing so create places which invite exploration, and are not viewed in full from the entrance (offering no surprises).

Ditches and hollows combined with mounds and hummocks through Phase B and are designed to help to make a child's journey through the park more interesting, as well as creating vantage points and secret hideaways to explore.

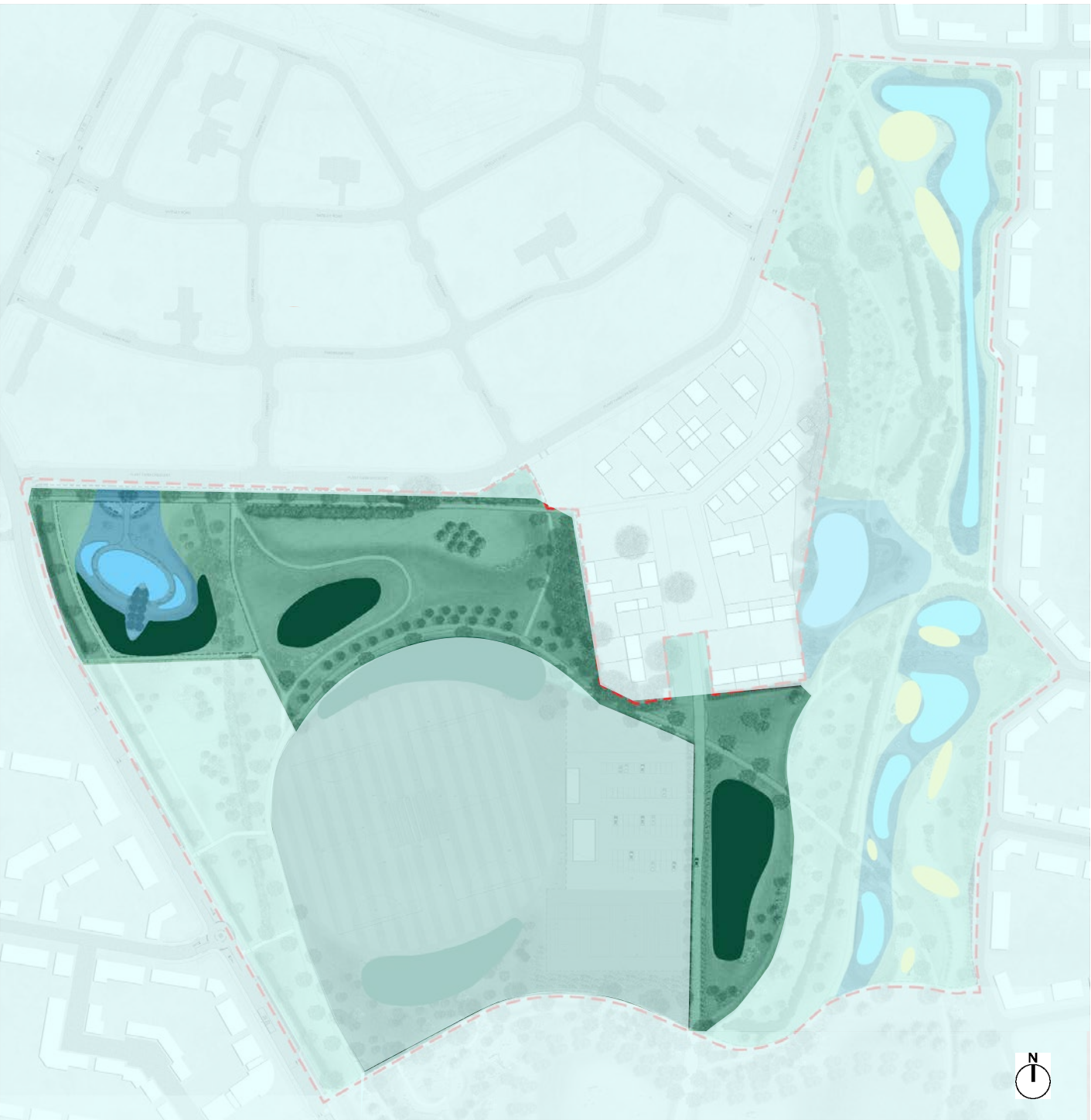


Figure 1.17 - Diagram illustrating the areas with Mounding.

8.0 Play Strategy

Natural Play - SUD's

Over and above the functional requirements of the SUDs areas the network of dry and wet ponds and ditches are ideal natural play areas which will encourage health and wellbeing through Phase B.

The SUDs are to be planted to create habitats that encourage biodiversity and simultaneously provide an array of amenity and recreational benefits.

They will create visually attractive green (vegetated and landscaped) and blue (water) corridors which connect people to water and the arrangement of planting and contouring will ensure that this is done in a controlled manner.



Figure 1.18 - Diagram illustrating the SUDs areas.

8.0 Play Strategy

Informal Play - Nature

Berewood Phase B has been designed to create a variety of differing landscape areas in which a range of planting typologies are proposed to stimulate the senses. The park provides access to natural objects and features in a managed, well-maintained setting, which will allow for a different range of play opportunities from those offered by conventional equipment.

This phase of the park has also been designed to be a flexible landscape where large areas of wildflower or amenity lawn provide children with the space to move freely and also the park accommodates intimate seating areas which allow for quiet interaction.

Tree planting is designed to vary and provide seasonal interest through contrasting leaf texture, flower and fruits. The network of formal an informal paths also encourage a range of physical activities across this phase.



Figure 1.19 - Diagram illustrating the Natural Play areas.

8.0 Play Strategy

Natural Play - Trim Trail

A network of 'Trim Trails' are proposed as informal play elements associated with the SUDS's ponds. These comprise of natural pieces of play such as balance beams, logs and groups of rocks all of which are designed to stimulate balance, dexterity and confidence within young people and help animate the landscape context of the ponds.

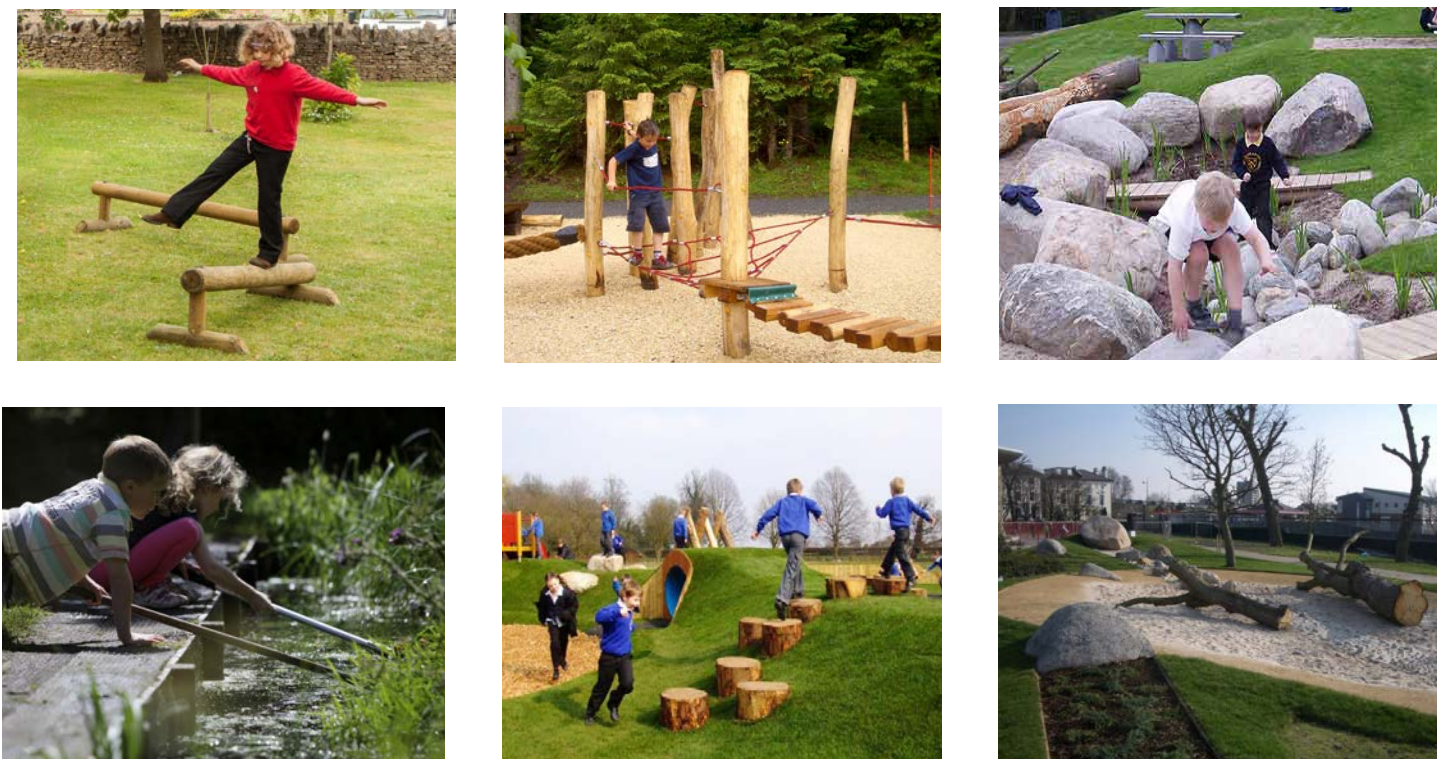


Figure 1.20 - Diagram illustrating the Trim Trail areas.

9.0 Precedent Imagery

Grass Amphitheatre



Tree Avenues



Contouring & Grass Mounding



LENTEN HOUSE  
16 LENTEN STREET  
ALTON  
HAMPSHIRE  
GU34 1HG

FIRST FLOOR  
STUDIO  
4-8 EMERSON  
STREET  
LONDON  
SE1 9DU

FABRIKUK.COM

