

PLAY TYPOLOGIES

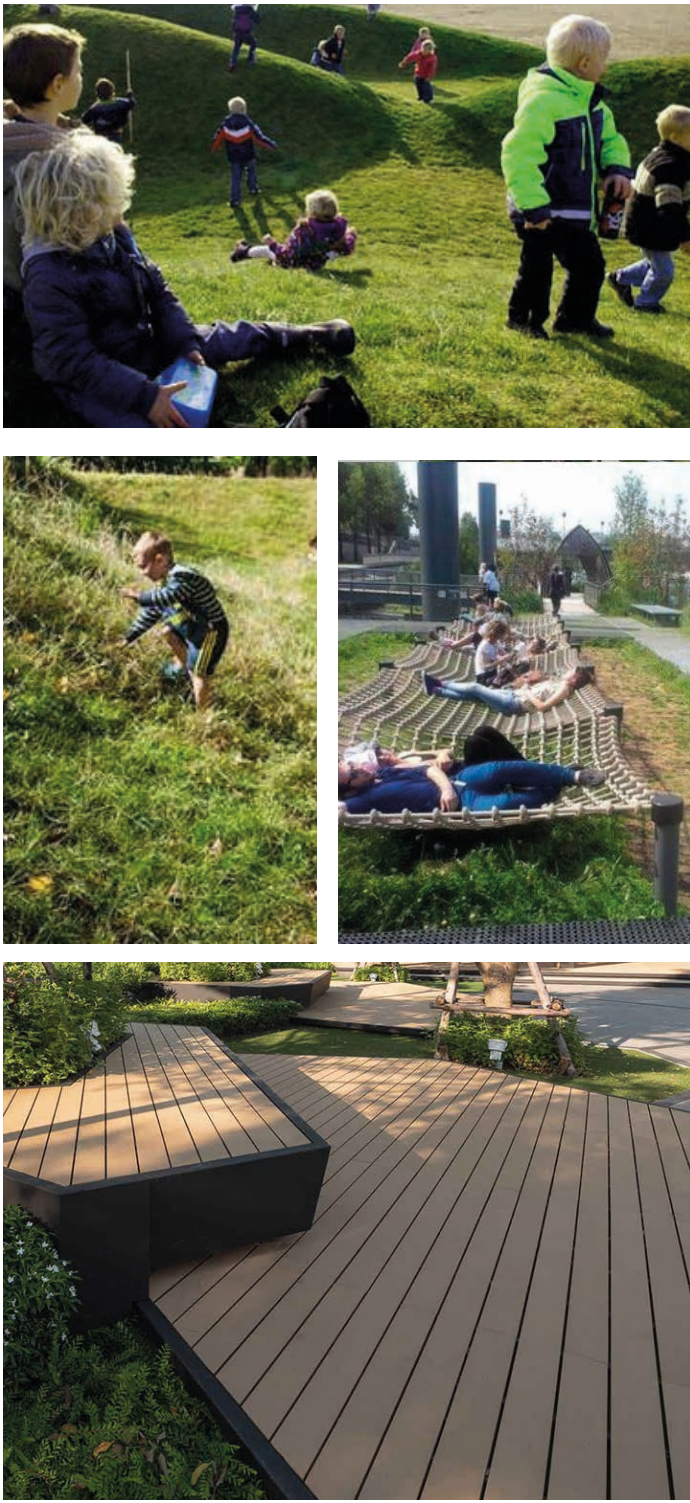
NATURAL PLAY



PRESCRIPTIVE PLAY



INCIDENTAL PLAY



SENSORY PLAY



5.2 MATERIALS STRATEGY

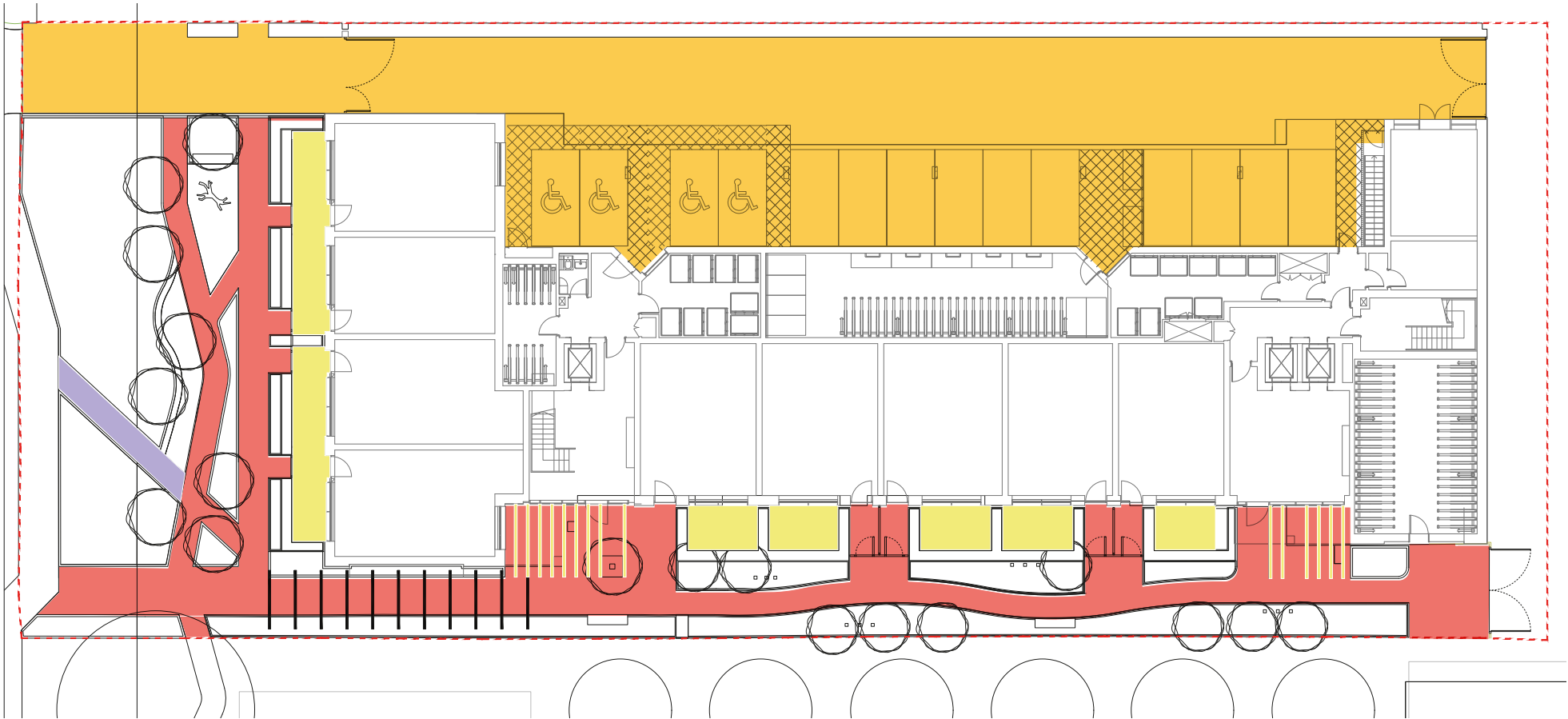
5.2.1. PAVING STRATEGY

GROUND FLOOR

The material selection at Nestles Avenue serves to align with the palette of the existing local context in utilising materials that are sympathetic to the existing environment. The ground plane is seamlessly coordinated while still demarcating space usage and providing texture and variation.

Materials have been selected to match the following principles;

- > Robust and durable in nature
- > Provide a high-quality aesthetic, and setting for the development
- > Translate landscape vision through key paving elements
- > Link colour, materials and tones to buildings where appropriate to create a cohesive design language
- > Demarcate specific areas and aid onsite legibility

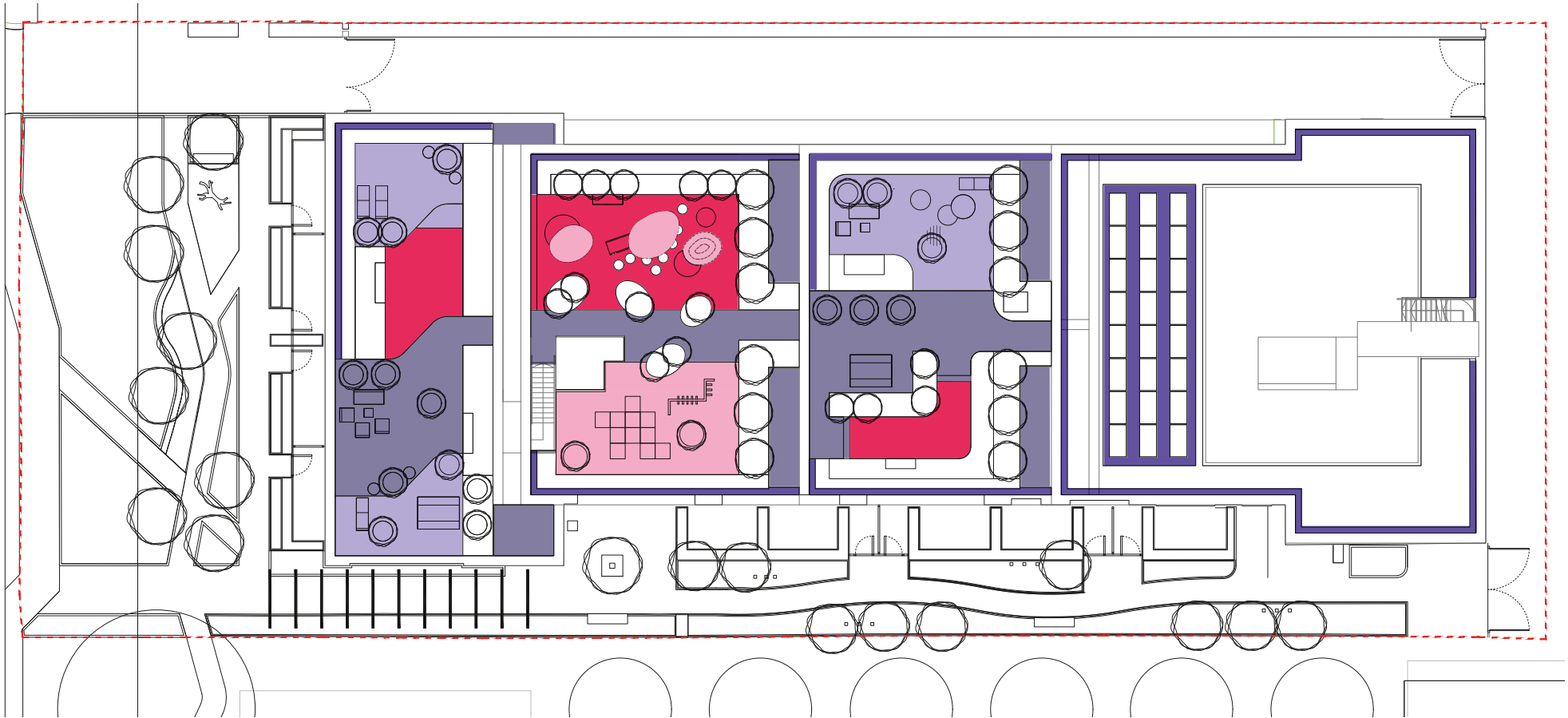


KEY

-  Paving type 1: Clay Pavers
-  Paving type 2: Clay Pavers
-  Paving type 3: Permeable Concrete Block Pavers
-  Paving type 5: Composite Decking

TERRACES

The material selection for the upper terrace levels where selected for their robust quality, easy maintenance, and creation of a strong sense of space. Differentiating materials between spaces within each terrace aims to create a sequence of spaces and a variety of visual interest on the ground plane within each terrace.



KEY

- Paving type 4: Porcelain Paving
- Paving type 5: Composite Decking
- Paving type 6: Astro turf
- Paving type 7: Rubber Safety Surfacing
- Paving type 8: Concrete Flag Paving
- Paving type 9: Gravel Maintenance Strip

PAVING PALETTE



PAVING TYPE 1 : CLAY PAVERS

Size : 240x40mm

Finish : Chelmer Valley Linear
Colour: Lunar (70%) and Grantham (30%)



PAVING TYPE 2 : CLAY PAVERS

Size : 240x40mm

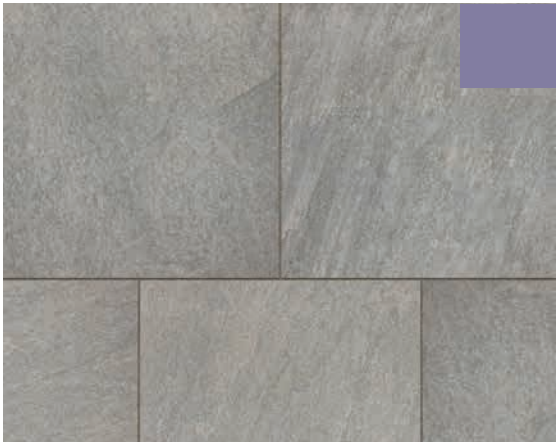
Finish : Chelmer Valley Linear
Colour: Lunar
Location : 9 Garden Courtyards,
Private Terraces to 9 Nestles
Avenue & Garden Walk



PAVING TYPE 3 : PERMEABLE CONCRETE
BLOCK PAVERS

Size : 160x160mm, 160x80mm

Finish : Marshalls
Colour : Light
Location : Mews



PAVING TYPE 4 : PORCELAIN PAVING

Size : 1200x600mm
Finish : Marshalls Classic
Symphony
Colour: Blauw
Location : Level 04, 06, 09 Terraces



PAVING TYPE 5 : COMPOSITE DECKING

Size : 176 x 3600mm
Finish : Millboard Enhanced Grain
Colour: Burnt Cedar
Location : Level 04, 06, 09 Terraces



PAVING TYPE 6 : ASTRO TURF

Size :40mm pile height
Finish : Easigrass Belgravia Range
Colour: N/A
Location : Level 04, 06, 09 Terraces



PAVING TYPE 7 : RUBBER SAFETY SURFACING

Size : N/A
Finish: RTC Rubber Safety
Surfacing
Colour: TBC
Location : Level 06 Terraces



PAVING TYPE 9 : GRAVEL MAINTENANCE
STRIP

Size : N/A
Colour: TBC
Location : Level 11 Terrace

5.2.2. FURNITURE STRATEGY

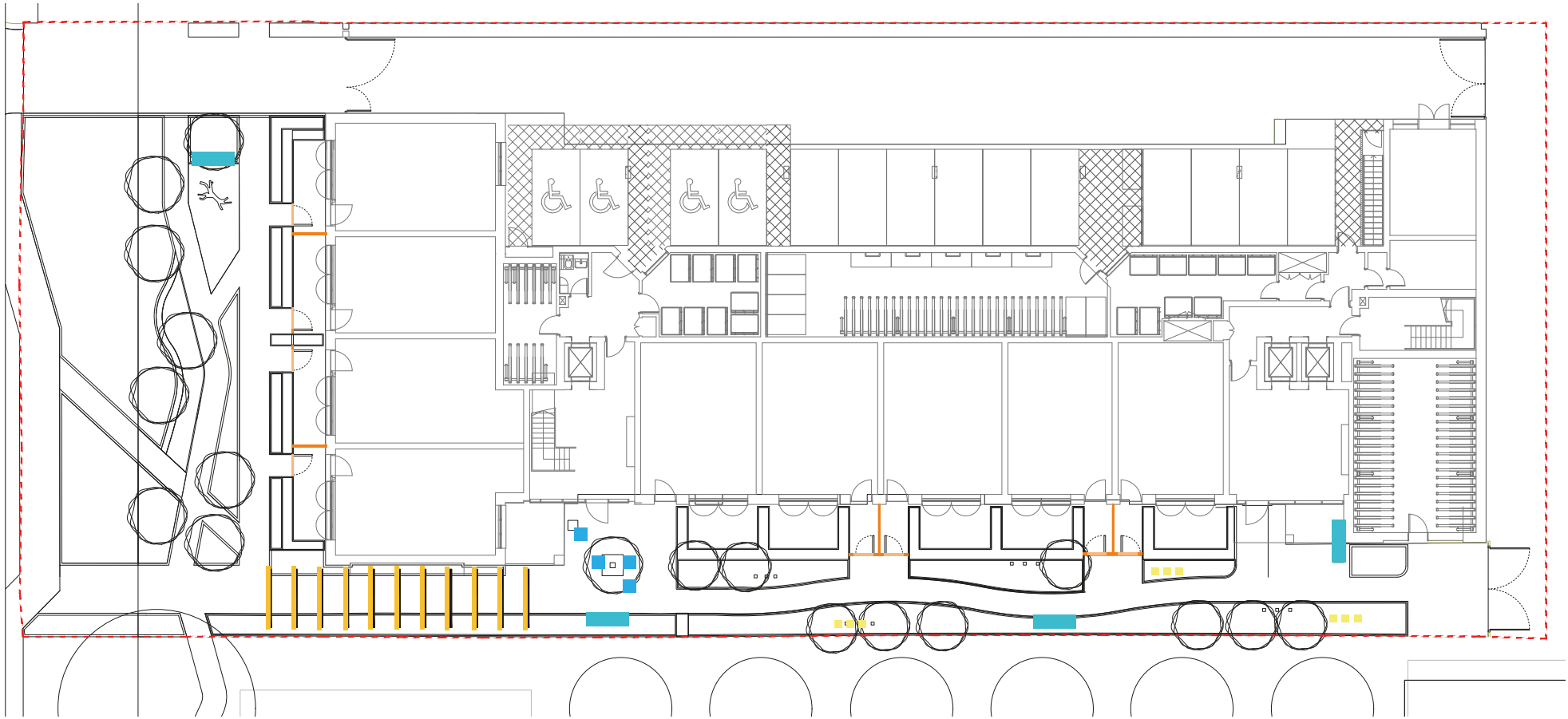
GROUND FLOOR

The overall strategy for Nestles Avenue is to use a cohesive palette of furniture, fixings and equipment (FF&E) elements across all areas. The materials used form a structured palette, coordinated to create visual unity and integrity within the landscape and with the adjoining architecture.

The following selection of proposed elements have been selected to be of a physically robust quality appropriate to the site. They will convey a unifying character to the development and consideration has been given to the appropriateness of the materials with regard to place making and their long-term performance.

The design and placement of all the elements has responded to both safety and security requirements, as well as how the site is navigated and understood on an intuitive level.

Furniture elements to all areas of the public realm are of a robust quality and finish, speaking to the profile and user volumes of the development. The colour palette used on the ground floor remains more subdued and connected to the surrounding architecture.

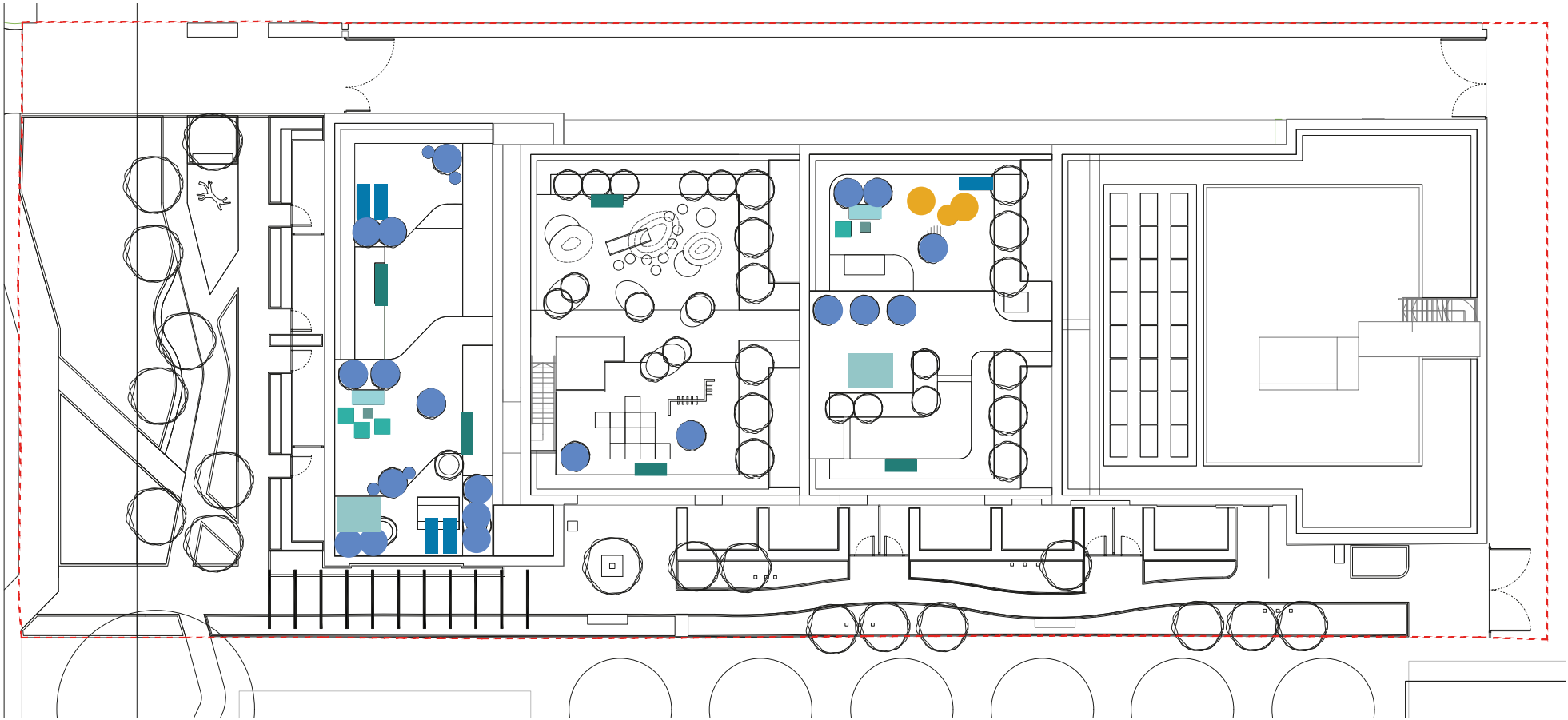


KEY

-  Furniture type 1: Steel and timber bench
-  Furniture type 3: Steel and timber stool
-  Furniture type 9: Wooden plinths
-  Furniture type 10: Steel portal

TERRACES

The site furnishings chosen for the upper terrace levels respond to the relaxed and playful typology of the spaces. The items chosen are robust quality. The colour palette chosen for the furnishings on the terraces are more bold and fun than the ground floor fixings, and aim to create a sense strong sense of place.



- KEY
- | | | | |
|---|--|---|--|
|  | Furniture type 2: Steel and timber bench |  | Furniture type 12: Concrete planter |
|  | Furniture type 4: Steel and timber lounger |  | Furniture type 13: Composite decking platforms |
|  | Furniture type 5: Steel and timber pic nic set | | |
|  | Furniture type 6: Steel and timber sofa bench | | |
|  | Furniture type 7: Steel armchair | | |
|  | Furniture type 8: Steel stool | | |

FURNITURE PALETTE



**FURNITURE TYPE 1 : STEEL AND
TIMBER BENCH**

mmcite blocq: Steel and timber park
bench (LBQ110)

Colour : RAL code tbc (to match
architecture)

Location : 9 Nestles Avenue, Garden Walk,
Garden Courtyards



**FURNITURE TYPE 2: STEEL AND
TIMBER BENCH**

mmcite blocq: Steel and timber park
bench (LBQ110)

Colour : RAL code tbc (bright colour)

Location : Level 04, 06, 09 Terraces



**FURNITURE TYPE 3: STEEL AND
TIMBER STOOL**

mmcite blocq: Steel and timber stool.
(LBQ112)

Colour : RAL code tbc (to match
architecture)

Location : Garden Courtyard



**FURNITURE TYPE 4: STEEL AND TIMBER
LOUNGER**

mmcite rivage: Steel and timber lounger
(RVA150)

Colour : RAL code tbc (bright colour)

Location: Level 04 Terrace



**FURNITURE TYPE 5 : STEEL AND
TIMBER PICNIC SET**

mmcite blocq: Steel and timber picnic set
(LBQ960)

Colour : RAL code tbc (bright)

Location : Level 04, 09 Terraces



**FURNITURE TYPE 6 : STEEL AND
TIMBER SOFA BENCH**

mmcite stack: Steel and timber sofa
(STC155)

Colour : RAL code tbc

Location : Level 09 Terrace



FURNITURE TYPE 7 : STEEL ARMCHAIR

mmcite stack: Steel armchair (STC257)

Colour : RAL code tbc

Location : Level 09 Terrace



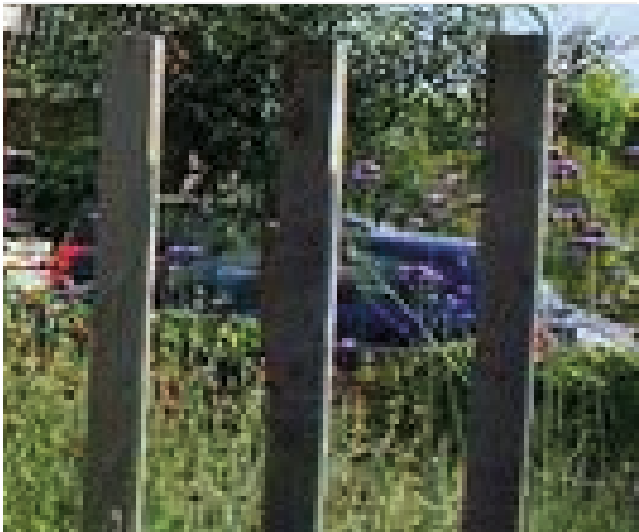
FURNITURE TYPE 8 : STEEL STOOL

mmcite stack: Steel stool (STC212)

Colour : RAL code tbc

Location : Level 09 Terrace

FURNITURE PALETTE



FURNITURE TYPE 9 : WOODEN PLINTHS

Wooden Plinths
Colour : Black
Location : Garden Walk



FURNITURE TYPE 10: TIMBER PORTAL

Timber portal with a steel flitch plate connection.
Finish : Powder coated
Colour : RAL code tbc (to match architecture)
Location : Main entrance



FURNITURE TYPE 11: STEEL FENCE

Lang+Faulton steel fence
Finish : Powder coated
Colour : RAL code tbc (to match architecture)
Location : Residents' private amenity terraces



FURNITURE TYPE 12: STEEL GATE

Lang+Faulton steel gate
Finish : Powder coated
Colour : RAL code tbc (to match architecture)
Location : Residents' private amenity terraces



FURNITURE TYPE 13 : CONCRETE PLANTER

Urbis Globe Glass reinforced concrete planter
Colour : Black
Location : Level 04, 06, 09 Terraces



FURNITURE TYPE 14 : RAISED COMPOSITE DECKING PLATFORMS

Bespoke Millboard Enhanced Grain Platforms
Colour : Burnt Cedar
Location : Level 09 Terrace

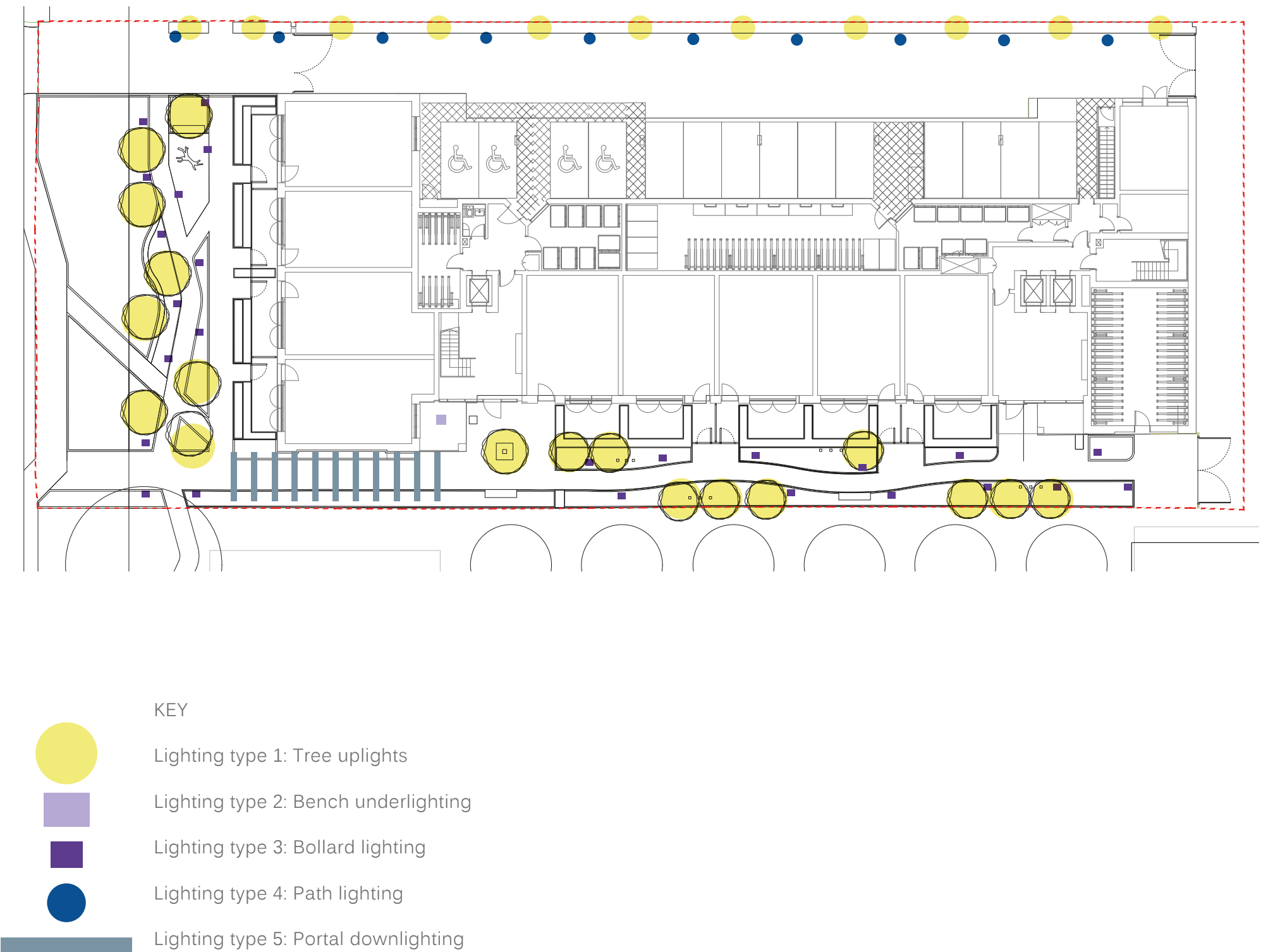
5.2.3. LIGHTING STRATEGY

GROUND FLOOR

Lighting has been carefully designed to highlight certain elements throughout the scheme, as well as illuminate the site during dark hours, for safety. Safe routes have been provided along key pathways across site to create a greater sense of security and personal safety within the development.

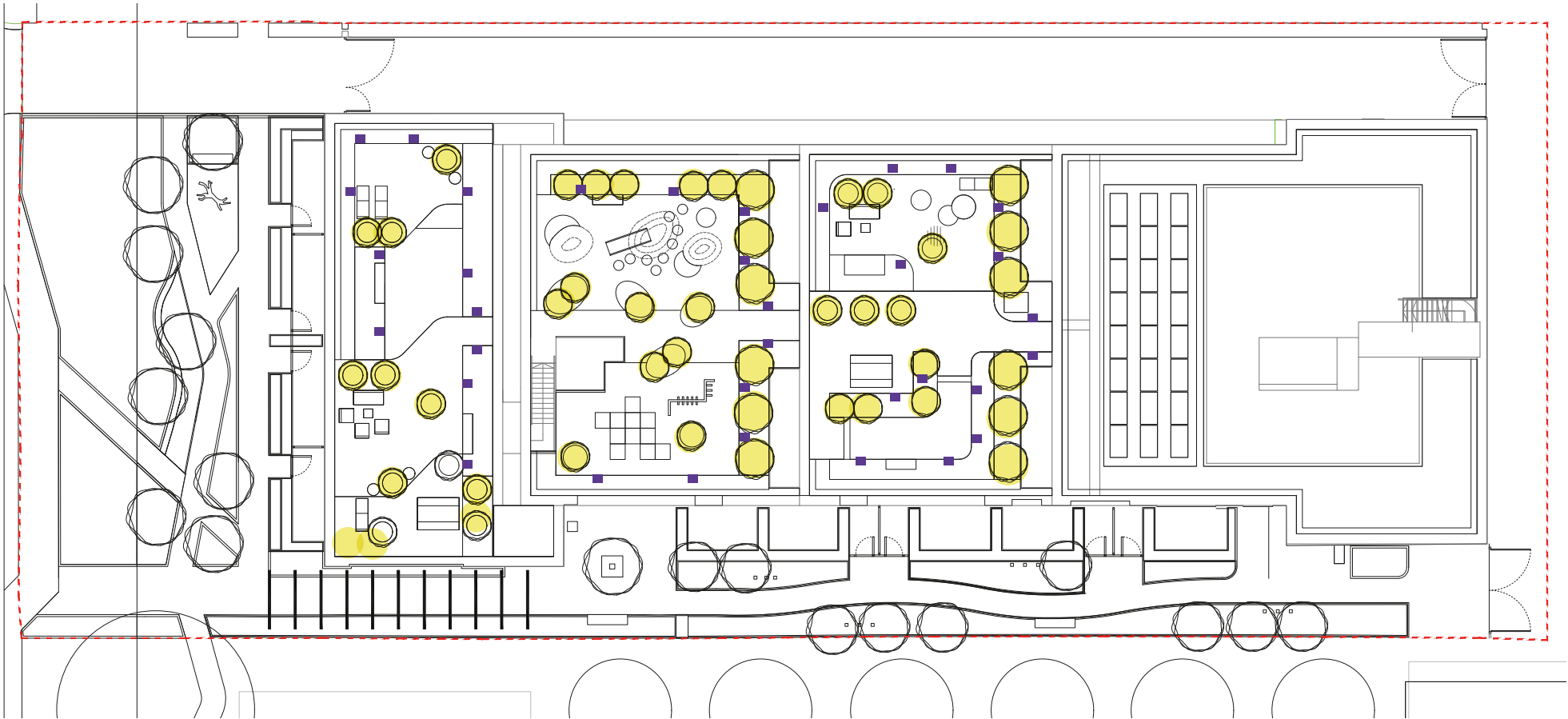
Street furniture serves as an integrating lighting feature. Way-finding lighting of natural feature elements such as trees provide an aesthetic dimension to the scheme.

Proposed lighting should not intentionally create unnecessary stray light or light spill to surrounding properties. Proposed lighting will be directional. The following lighting information is indicative only at this stage of the design process and will be developed by a specialist consultant at the next stages.



TERRACES

The terrace lighting uses a mix of tree uplights and bollard lighting to create safe and welcoming spaces for users of all ages, even in the evening.





KEY

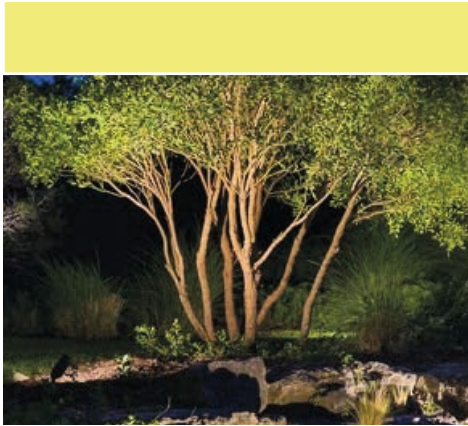


Lighting type 1: Tree uplights



Lighting type 3: Bollard lighting

LIGHTING PALETTE



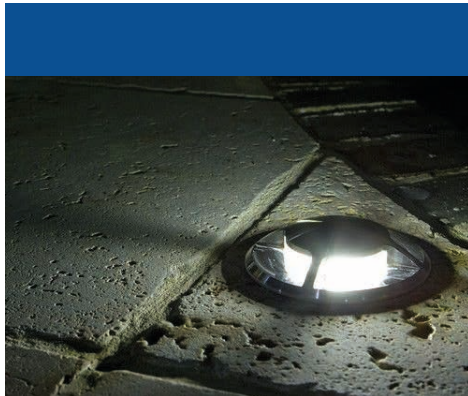
LIGHTING TYPE 1: TREE UPLIGHTS
Hunza Spike Spot adjustable lights



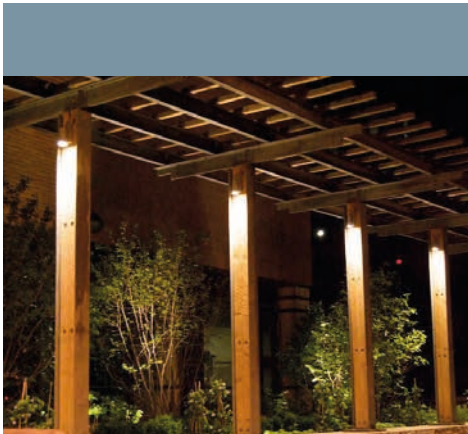
LIGHTING TYPE 2: BENCH LIGHTING
Under-lighting of benches



LIGHTING TYPE 3: BOLLARD LIGHTING
Bega Garden and Pathway light



LIGHTING TYPE 4: PAVEMENT LIGHTING
Hunza Path Lite



LIGHTING TYPES 5: COLONADE DOWNLIGHTS
Down-lighting for Main Entrance
Colonade Feature



Figure 4. INight time illustrative masterplan

5.3 PLANTING STRATEGY

5.3.1. TREES

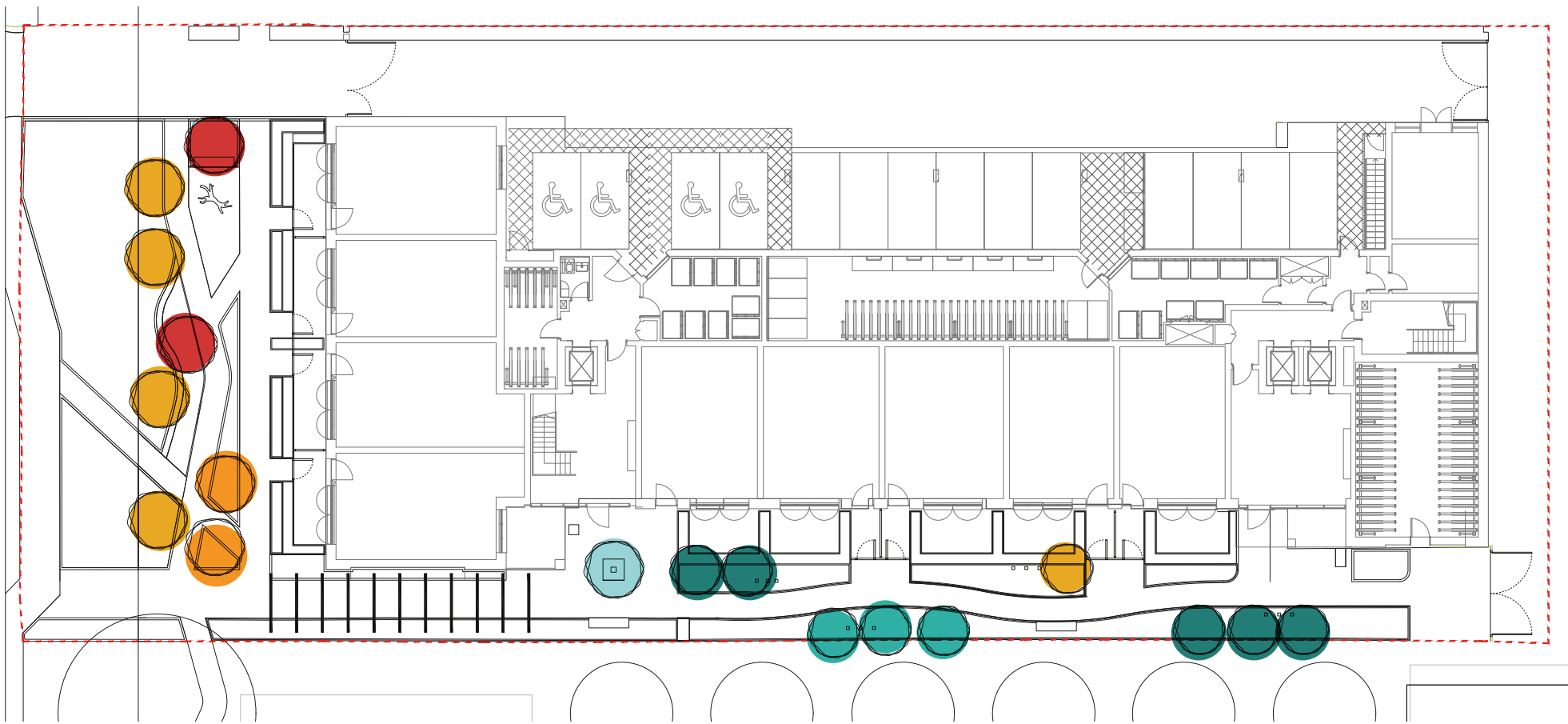
GROUND FLOOR

New trees have been chosen to create visual and spatial indicators and assist with the navigation within the site. Key species are positioned to maximise the quality and uniqueness of the site seen from 9 Nestles Avenue through framing and focusing. The trees with Nestles Avenue create movement through the sustainability cooridor, and frame key entrance points

The tree species selection for the Garden Courtyard acts to slow down visitors and create a moment with a specimen tree.

The species chosen for the Garden Walk create a human scale and a rythm along the footpath for visitors to enjoy the immersive planting and tree cover.

The trees selected will also bring seasonal variation to the site through leaf colour, form, and additional benefits to wildlife and site biodiversity. These species enhance Biophilia (an innate and genetically determined affinity of human beings with the natural world) within the urban site context.



- KEY
- Alnus glutinosa
 - Betula nigra
 - Acer rufrinerve
 - Amelanchier lamarckii
 - Betula papyrifera
 - Magnolia x loebneri Merrill

GROUND FLOOR TREE PALETTE



Acer rufinerve

SUNLIGHT




SIZE

H: 7M
S: 3M

FORM




A. rufinerve is a broadly-upright, slow-growing tree. Pendent panicles of greenish-yellow flowers appear in late spring. Three-lobed green leaves turn bright red and yellow in



Alnus glutinosa

SUNLIGHT



SIZE

H: 12M
S: 4-8M

FORM




A. glutinosa is a deciduous tree to 25m, broadly conical in habit when young, with grey-purple buds and young catkins conspicuous in winter, and rounded bright green leaves deep yellow or orange in autumn. Flowers small, purple



Amelanchier lamarckii

SUNLIGHT




SIZE

H: 8-12M
S: 4-8M

FORM






A. lamarckii is a large erect deciduous shrub or small tree of open habit, with bronze-tinged young leaves turning orange and red in autumn. White flowers in short lax racemes as the leaves unfurl. Fruit a red to dark purple.



Betula nigra

SUNLIGHT




SIZE

H: 25M
S: 10M

FORM




B. nigra is a bushy deciduous tree to 15m or more, with peeling bark, at first reddish-brown, later almost black; glossy dark green leaves turn yellow in autumn.



Betula papyrifera

SUNLIGHT




SIZE

H: 12M
S: 8M

FORM




B. papyrifera is a deciduous tree of conical outline, with white bark peeling to reveal pale orange underbark; yellow male catkins and dark green leaves turning yellow in autumn



Magnolia x loebneri Merrill

SUNLIGHT




SIZE

H: 4-8M
S: 4-8M

FORM



Merrill' is a small deciduous tree with oblong leaves. Flowers white, to 10cm in width, with about 15 obovate tepals, opening before the leaves. Very free-flowering.

KEY : ECOLOGICAL BENEFITS

-  Native species
-  Evergreen and semi evergreen species : winter shelter for wildlife
-  RHS "Plant for pollinators" species
-  Fruits/seeds for wildlife

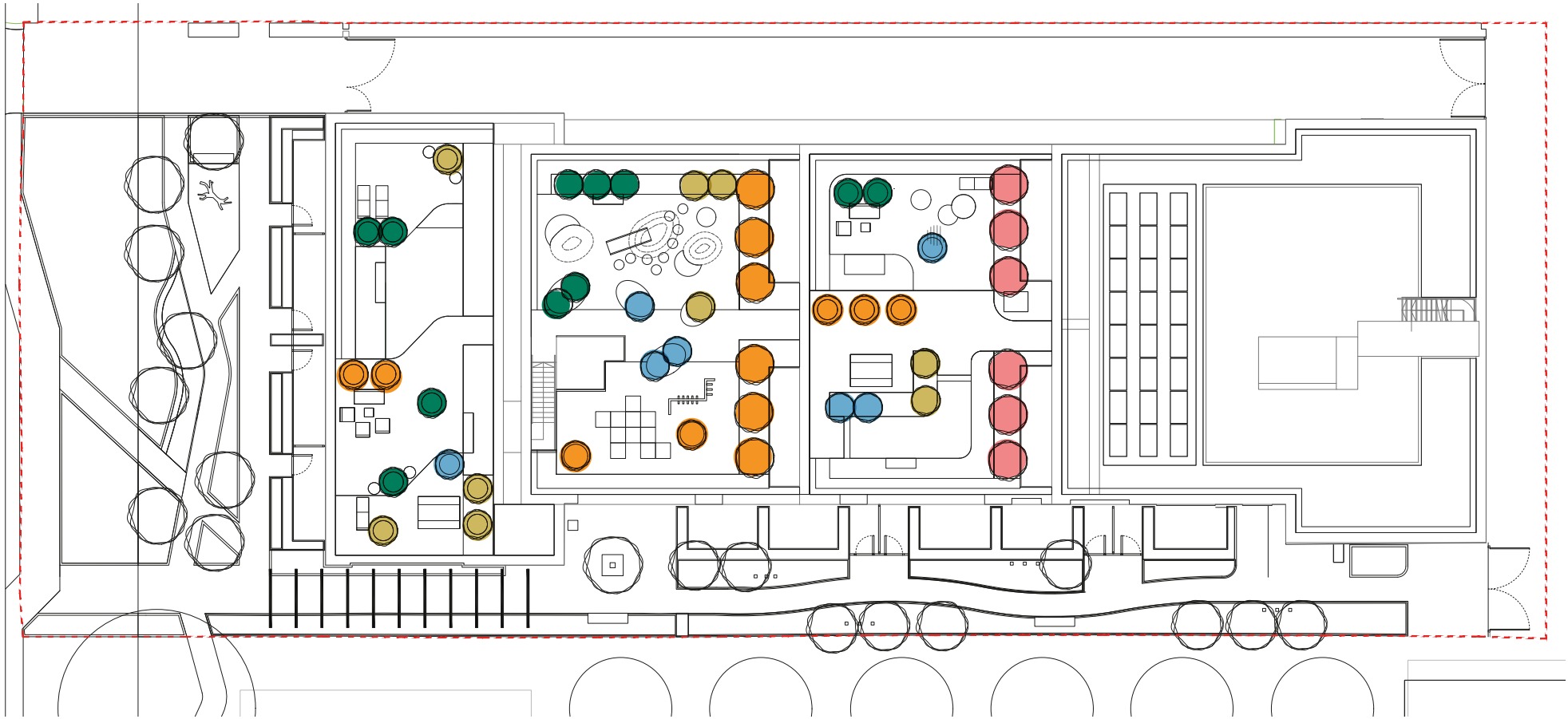
KEY : TREE FORMS

-  Columnar/Fastigate
-  Pyramidal
-  Oval
-  Ovoid
-  Rounded
-  Broad Multi-Stem

5.3.2. TERRACE TREES

New trees have been chosen to create visual and spatial indicators and assist with the navigation within the terraces. The species chosen are multi-stem trees and are wind tolerant to withstand exposure on the roof gardens. Slightly larger species have been selected within the defensive planting areas, while smaller specimen trees frame and focus key spaces within the terraces.

These species chosen enhance Biophilia within the urban roof gardens as an aim to create an oasis and escape from the busy urban context with which the site sits.



KEY

- Alnus cordata
- Alnus glutinosa
- Amelanchier canadensis
- Betula albosinensis 'China Ruby'
- Magnolia virginiana

TERRACES TREE PALETTE



Alnus cordata



A. cordata is a vigorous deciduous medium-sized tree with shiny deep green leaves. Male catkins yellow, to 10cm in length. Fruit 2.5cm in length, cone-like



Alnus glutinosa



A. glutinosa is a deciduous tree to 25m, broadly conical in habit when young, with grey-purple buds and young catkins conspicuous in winter, and rounded bright green leaves deep yellow or orange in autumn. Flowers small, purple



Amelanchier canadensis



A. canadensis is a dense, erect, suckering shrub producing upright sprays of small, white, star-shaped flowers in late spring, followed by blue-black berries which are edible but insipid. The foliage is an attractive mid-green and may turn yellow, orange or red in autumn



Betula albosinensis 'China Ruby'



A hardy tree that establishes in most soils types including chalk or clay. Will tolerate dry conditions during summer periods. An excellent birch with multi-coloured peeling bark in tones of copper, blush, pink and cream.



Magnolia virginiana



Fragrant creamy-white flowers and distinctive leaves which are blue-white underneath. In our Cornish climate this is a semi-evergreen tree in a mild winter

KEY : ECOLOGICAL BENEFITS

- Native species
- Evergreen and semi evergreen species : winter shelter for wildlife
- RHS "Plant for pollinators" species
- Fruits/seeds for wildlife

KEY : TREE FORMS

- Columnar/Fastigate
- Pyramidal
- Oval
- Ovoid
- Rounded
- Broad Multi-Stem

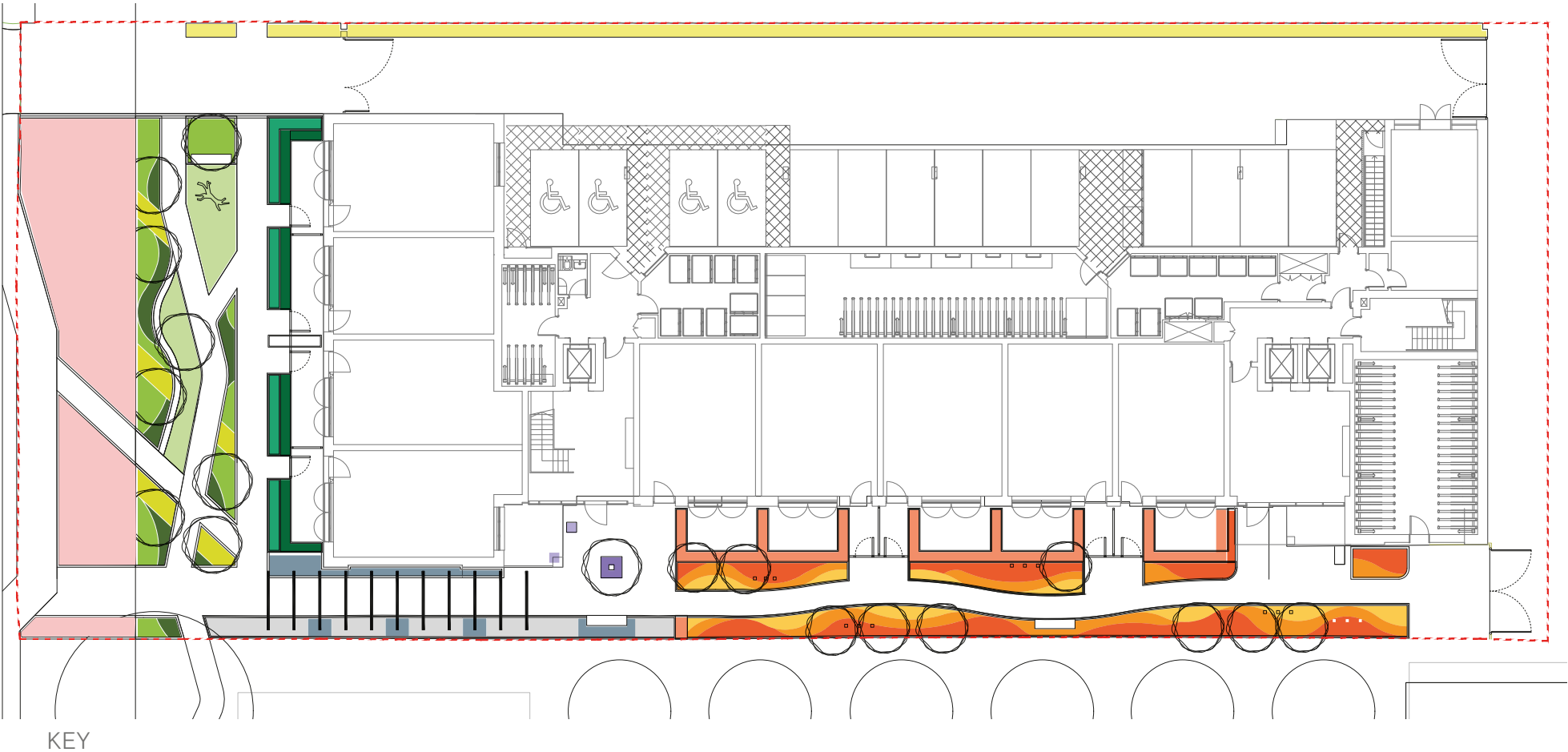
5.3.3. PLANTING

The soft landscape palette has been developed to add a strong, well-vegetated character to the site, and create a verdant oasis that promotes biophilia. Species have been chosen to form an appropriate palette to

- > Match the anticipated micro climate;
- > Clearly define spaces;
- > Soften the appearance of the development;
- > Help create variation in character;
- > Enhance ecological diversity; and
- > Provide visual interest and colour throughout the seasons.

Given the full sun aspect of the 9 Nestles Avenue zone, and the mainly shady aspect of the Garden Walk and Courtyards, the planting palette has been carefully considered. What has been proposed responds directly to the level of light and shade each of the external spaces receives in order to create an aesthetically pleasing environment and comfortable micro climate.

The Biodiverse Wildflower Meadow will be included in the Day 1 ground floor scheme. The mix chosen is the Wildflower Turf Ltd Native Enriched Turf. It will include a 100% flower mix including 53 species, with a priority of native species.



 9 Nestles Avenue: Planting typology 1 (Green SUDS Base)	 Main Entrance: Planting typology 1 (Green Pockets)	 Garden Walk: Planting Typology 3 (Colour Swathes Low to Mid)
 9 Nestles Avenue: Planting typology 2 (Colour SUDS Swathes)	 Main Entrance: Planting typology 2 (Defensible Hedge Planting)	 Garden Walk: Planting typology 4 (Defensible Hedge Planting)
 9 Nestles Avenue: Planting typology 3 (Grass Stripes)	 Garden Courtyards: Planting typology 1 (Hedge type 1)	 Mews: Planting typology 1 (Pleached Hedge and understorey planting)
 9 Nestles Avenue: Planting typology 4 (Defensible Space Planting)	 Garden Courtyards: Planting typology 2 (Hedge type 2)	 Biodiverse Wildflower Meadow
 9 Nestles Ave: Planting typology 5 (Defensible Hedge Planting)	 Garden Walk: Planting Typology 1 (Green Base)	
 9 Nestles Avenue: Species Rich Lawn	 Garden Walk: Planting Typology 2 (Colour Swathes Mid to Tall)	

9 NESTLES AVENUE
PLANTING TYPOLOGY 1 (GREEN SUDS BASE)



Asplenium scolopendrium



Blechnum spicant



Calamagrostis brachytricha



Carex elata 'Aurea'



Carex pendula



Cornus alba 'Sibirica'



Dryopteris filix-mas



Iris sibirica 'Snow Queen'



Iris sibirica 'White Swirl'



Osmunda regalis



Polystichum setiferum

9 NESTLES AVENUE
PLANTING TYPOLOGY 2 (COLOUR SUDS SWATHES)



Anemone hupehensis 'September Charm'



Aquilegia Snow Queen



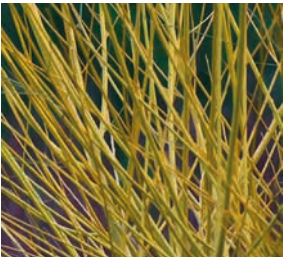
Aster x frikartii 'Wonder of Stafa'



Blechnum spicant



Carex elata 'Aurea'



Cornus sericea 'Flaviramea'



Iris ensata 'Rose Queen'



Lobelia x speciosa 'Vedrariensis'



Tiarella cordifolia



Vinca minor

9 NESTLES AVENUE
PLANTING TYPOLOGY 3 (GRASS STRIPES)



Calamagrostis brachytricha



Carex pendula



Miscanthus sinensis 'Flamingo'

9 NESTLES AVENUE
PLANTING TYPOLOGY 4 (DEFENSIBLE SPACE PLANTING)



Anthriscus sylvestris



Lavandula angustifolia



Vinca minor



Perovskia 'Blue Spire'



Symphyotrichum novi-belgii 'Professor Anton Kippenberg'



Verbena bonariensis

 Native species

 Evergreen and semi evergreen species : winter shelter for wildlife

 RHS "Plant for pollinators" species

 Fruits/seeds for wildlife

9 NESTLES AVENUE
PLANTING TYPOLOGY 5 (DEFENSIBLE HEDGE PLANTING)



Fagus sylvatica

MAIN ENTRANCE
PLANTING TYPOLOGY 2 (DEFENSIBLE HEDGE PLANTING)



Fagus sylvatica

MAIN ENTRANCE
PLANTING TYPOLOGY 1 (GREEN POCKETS)



*Asplenium
scolopendrium*



Blechnum spicant



Dryopteris filix-mas



Galanthus elwesii



Hamamelis mollis



Tiarella cordifolia



*Pachysandra
terminalis 'Green
Carpet'*

GARDEN COURTYADS
PLANTING TYPOLOGY 1 (HEDGE TYPE 1)



Lonicera nitida

GARDEN COURTYADS
PLANTING TYPOLOGY 2 (HEDGE TYPE 2)



Ilex crenata



Native species



Evergreen and semi evergreen species :
winter shelter for wildlife



RHS "Plant for pollinators" species



Fruits/seeds for wildlife

GARDEN WALK
PLANTING TYPOLOGY 1 (GREEN BASE)



Asarum europaeum



Asplenium scolopendrium



Blechnum spicant



Carex pendula



Cornus canadensis



Dryopteris filix-mas



Liriope muscari
'Monroe White'



Luzula nivea



Melica altissima 'Alba'

GARDEN WALK
PLANTING TYPOLOGY 2 (COLOUR SWATHES MID TO TALL)



Anemone x hybrida
'Honorine Jobert'



Aquilegia vulgaris



Campanula lactiflora
'Loddon Anna'



Dicksonia antarctica



Dryopteris filix-mas



Luzula nivea



Luzula sylvatica



Polygonatum x
hybridum



Sarcococca confusa

GARDEN WALK
PLANTING TYPOLOGY 3 (COLOUR SWATHES LOW TO MID)



Anemone nemorosa
'Vestal'



Asplenium scolopendrium



Crocus 'Snow Bunting'



Astrantia major



Carex pendula



Liriope muscari



Tiarella cordifolia

 Native species

 Evergreen and semi evergreen species :
winter shelter for wildlife

 RHS "Plant for pollinators" species

 Fruits/seeds for wildlife

GARDEN WALK
PLANTING TYPOLOGY 4 (DEFENSIBLE HEDGE PLANTING)



Prunus lusitanica

MEWS
PLANTING TYPOLOGY 1 (PLEACHED HEDGE AND UNDERSTOREY PLANTING)



Anemone nemorosa
'Vestal'



Asplenium
scolopendrium



Asplenium trichomanes.jpg



Blechnum spicant



Crocus 'Snow Bunting'



Tilia platyphyllos

TERRACES
PLANTING TYPOLOGY 6 (BIODIVERSE WILDFLOWER MEADOW PLANTING)



Wildflower Turf Ltd's Native Enriched Turf
Examples of Species Palette:



Aquilegia vulgaris



Dianthus plumarius



Gypsophila elegans



Iberis umbellata



Linum perenne



Papaver rhoeas

Native species

Evergreen and semi evergreen species :
winter shelter for wildlife

RHS "Plant for pollinators" species

Fruits/seeds for wildlife

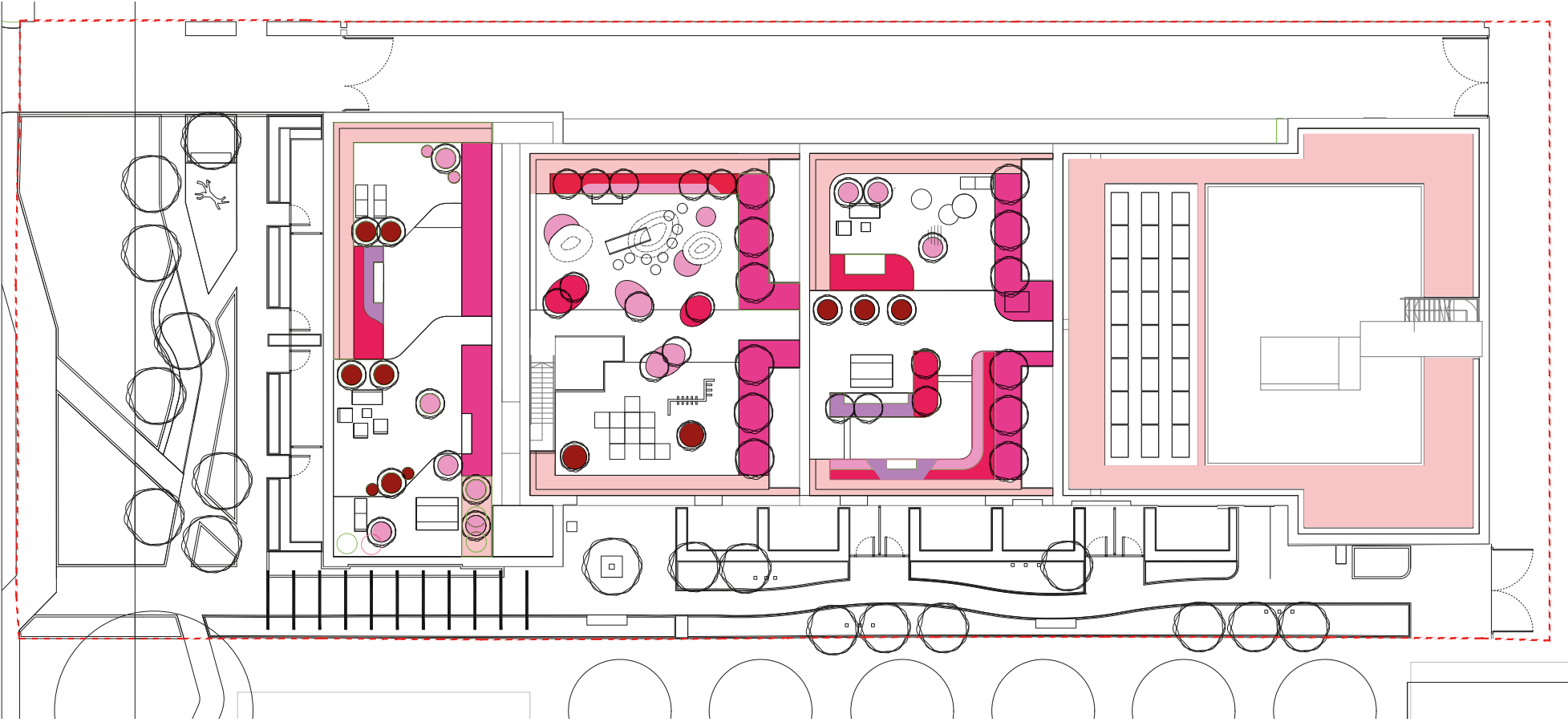
TERRACES

The soft landscape palette on the terraces aims to create a green escape from the urban context of the site.

The full sun aspect of the terraces lends itself to a wide variety of colourful plants to create interest during all seasons of the year, and encourage biodiversity.

Defensible planting creates a visual and physical separation from the communal spaces and the residents private amenity terraces. Amenity planting provides bright colours and lush green planting to the terraces. Sensory planting is incorporated within the seating areas to help visitors relax and engage with their natural surroundings.

The perimeters of the terraces will also include a Biodiverse Wildflower Meadow. The mix chosen is the Wildflower Turf Ltd Native Enriched Turf. It will include a 100% flower mix including 53 species, with a priority of native species. This mix will be included on Terraces Level 04, 06, 09, and 11



KEY

-  Terrace
Planting typology 1 (Defensible Planting)
-  Terrace
Planting typology 2 (Amenity Planting Mid)
-  Terrace
Planting typology 3 (Amenity Planting Tall)
-  Terrace
Planting typology 4 (Sensory Hedge)
-  Terrace
Planting typology 5 (Sensory Planting)
-  Terrace
Planting typology 6 (Biodiverse Wildflower Meadow Planting)

TERRACES
PLANTING TYPOLOGY 1 (DEFENSIBLE PLANTING)



Allium mohican



Miscanthus sinensis
'Flamingo'



Phormium tenax
'Rainbow Queen'



Stipa arundinacea



Uncinia uncinata

TERRACES
PLANTING TYPOLOGY 2 (AMENITY PLANTING MID)



Achillea 'terracotta'



Achillea millefolium
'Paprika'



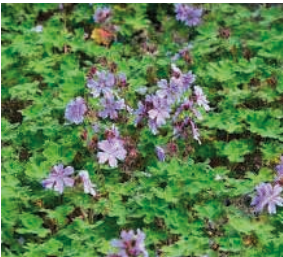
Achillea millefolium
'Summer Pastels'



<Multiple intersecting
links>



Symphyotrichum novibelgii
'Professor Anton Kippenberg'



Geranium renardii
'Tschelda'



Perovskia 'Blue Spire'



Sedum 'Herbstfreude'



Uncinia uncinata



Verbena bonariensis
'Lollipop'



Vinca minor

TERRACES
PLANTING TYPOLOGY 3 (AMENITY PLANTING TALL)



Calamagrostis brachytricha



Cornus sanguinea
'Midwinter Fire'



Miscanthus sinensis
'Flamingo'



Miscanthus sinensis
'Morning Light'

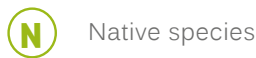


Verbena bonariensis

TERRACES
PLANTING TYPOLOGY 4 (SENSORY HEDGE)



Lavandula angustifolia



Native species



Evergreen and semi evergreen species :
winter shelter for wildlife



RHS "Plant for pollinators" species



Fruits/seeds for wildlife

TERRACES
PLANTING TYPOLOGY 5 (SENSORY PLANTING)



Lychnis coronaria



Pennisetum villosum



Rosmarinus officinalis
'Miss Jessopp's Upright'



Rosmarinus officinalis



Salvia nemorosa
'Caradonna'



Salvia nemorosa
'Sensation White'



Thymus 'doone valley'



Thymus serpyllum
'Snowdrift'



Thymus vulgaris



Thymus x citriodorus
'Aureus'



Thymus x citriodorus
'Silver Queen'



Thymus x citriodorus

TERRACES
PLANTING TYPOLOGY 6 (BIODIVERSE WILDFLOWER
MEADOW PLANTING)



Wildflower Turf Ltd's Native Enriched Turf



Examples of Species Palette:



Aquilegia vulgaris



Dianthus plumarius



Gypsophila elegans



Iberis umbellata



Linum perenne



Papaver rhoeas

 Native species

 Evergreen and semi evergreen species :
winter shelter for wildlife

 RHS "Plant for pollinators" species

 Fruits/seeds for wildlife

PLANTING SCHEDULE

9 Nestles Avenue Trees

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Ctr Spacing	Spacing Type	Comments
Ar	1	Acer rufinerve	Standard (Extra Heavy)	3x	16-18	450-625	min 200	RB	60 x 45cm			1.00	m	
Agl	1	Alnus glutinosa	Standard (Extra Heavy)	3x	18-20	425-600	min 200	RB	70 x 45cm			1.00	m	
Bn	1	Betula nigra	Multi stem	4x		450-500		RB		Bushy	3 stems min	1.00	m	

Garden Walk and Courtyard Trees

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Ctr Spacing	Spacing Type	Comments
Ar	1	Acer rufinerve	Standard (Extra Heavy)	3x	16-18	450-625	min 200	RB	60 x 45cm			1.00	m	
Al	1	Amelanchier lamarckii	Multi stem	3x		350-400		RB		Bushy	3 stems min	1.00	m	
Bp	1	Betula papyrifera	Large Feathered	3x	18-20	450-650		RB	70 x 45cm			1.00	m	
MIM	1	Magnolia x loebneri 'Merrill'	Standard (Extra Heavy)		14-16	350-425	150-175	C	45-85L		5	1.00	m	

9 Nestles Avenue: Planting typology 1 (Green SUDS Base)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
Asc	500	Asplenium scolopendrium				-		C	7.5L			5	m²	Full pot; seed propagation
Bsp	400	Blechnum spicant				-		C	7.5L			4	m²	Full pot; seed propagation
Cbr	500	Calamagrostis brachytricha				-		C	5L			5	m²	Full pot; seed or vegetative propagation
CeA	500	Carex elata 'Aurea'				-		C	5L			5	m²	Full pot; vegetative propagation
Cpe	500	Carex pendula				-		C	5L			5	m²	Full pot; vegetative propagation
CaS	100	Cornus alba 'Sibirica'				80-100		C	15L	Branched	6	1	m²	
Df	400	Dryopteris filix-mas				-		C	7.5L			4	m²	Full pot
IsSQ	500	Iris sibirica 'Snow Queen'						C	5L			5	m²	Full pot
IsWS	2000	Iris sibirica 'White Swirl'	Grade 6/7									20	m²	
Or	400	Osmunda regalis				-		C	7.5L			4	m²	Full pot; seed or vegetative propagation
Pmun	400	Polystichum munitum				-		C	7.5L			4	m²	Full pot; seed or vegetative propagation

9 Nestles Avenue: Planting typology (2 Colour SUDS Swathes)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
AhSC	500	Anemone hupehensis 'September Charm'				-		C	5L			5	m²	Full pot; vegetative propagation
AsQ	500	Aquilegia 'Snow Queen'						C	5L			5	m²	Full pot
AWS	500	Aster x frikartii 'Wonder of Stafa'				-		C	5L			5	m²	Full pot; vegetative propagation
Bsp	400	Blechnum spicant				-		C	7.5L			4	m²	Full pot; seed propagation
CeA	500	Carex elata 'Aurea'				-		C	5L			5	m²	Full pot; vegetative propagation
CsF	100	Cornus stolonifera 'Flaviramea'				80-100		C	15L	Branched	6	1	m²	
IeRQ	500	Iris ensata 'Rose Queen'						C	2L			5	m²	Full pot
Tcor	500	Tiarella cordifolia				-		C	5L			5	m²	Full pot; seed or vegetative propagation
Vmi	500	Vinca minor				30-40(D)		C	10L	Several Shoots	7	5	m²	

9 Nestles Avenue: Planting typology 3 (Grass Stripes)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
Cbr	500	Calamagrostis brachytricha				-		C	5L			5	m²	Full pot; seed or vegetative propagation
Cpe	500	Carex pendula				-		C	5L			5	m²	Full pot; vegetative propagation
MsF	500	Miscanthus sinensis 'Flamingo'				-		C	10L			5	m²	Full pot; vegetative propagation

9 Nestles Avenue: Planting typology (4 Defensible Space Planting)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
Asy	500	Anthriscus sylvestris				-		C	2L			5	m²	Full pot; Sept to April planting; British native-origin
AnPAK	500	Aster novi-belgii 'Professor Anton Kippenberg'						C	2L			5	m²	Full pot
Lan	500	Lavandula angustifolia				20-30		C	5L	Bushy	5	5	m²	
PbS	500	Perovskia 'Blue Spire'						C	5-7.5L			5	m²	Full pot
Vbe	500	Verbena bonariensis				-		C	5L			5	m²	Full pot; seed propagation
Vmi	500	Vinca minor				30-40(D)		C	5-7.5L	Several Shoots	5	5	m²	

9 Nestles Ave: Planting typology 5: (Defensible Hedge Planting)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
Fs	100	Fagus sylvatica	Feathered	2x		125-150		B			2	1	m²	

Main Entrance: Planting typology 1 (Green Pockets)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
Asc	500	Asplenium scolopendrium				-		C	7.5L			5	m²	Full pot; seed propagation
Bsp	400	Blechnum spicant				-		C	7.5L			4	m²	Full pot; seed propagation
Da	400	Dryopteris affinis						C	5L			4	m²	Full pot
Gel	3000	Galanthus elwesii	Grade 5/6			-						30	m²	
Hmol	100	Hamamelis mollis				100-125		C	15L	Branched	5	1	m²	
PtGC	500	Pachysandra terminalis 'Green Carpet'				20-30(D)		C	5L	Several Shoots	11	5	m²	
Tcor	500	Tiarella cordifolia				-		C	5L			5	m²	Full pot; seed or vegetative propagation

Main Entrance: Planting typology 2 (Defensible Hedge Planting)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
Fs	100	Fagus sylvatica	Feathered	2x		125-150		B			2	1	m²	

Garden Courtyards: Planting typology 1 (Hedge type 1)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
Lnit	100	Lonicera nitida				60-80		C	15L	Bushy	9	1	m²	

Garden Courtyards: Planting typology 2 (Hedge type 2)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
AlGI	100	Allium 'Globemaster'				-		C	2L			1	m²	Full pot; vegetative propagation
Ic	300	Ilex crenata				40-60		C	5L	Bushy	5	3	m²	

Garden Walk: Planting Typology 1 (Green Base)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
Ae	500	Asarum europaeum						C	5L			5	m²	Full pot
Asc	500	Asplenium scolopendrium				-		C	7.5L			5	m²	Full pot; seed propagation
Bsp	400	Blechnum spicant				-		C	7.5L			4	m²	Full pot; seed propagation
Cpe	500	Carex pendula				-		C	5L			5	m²	Full pot; vegetative propagation
Coca	400	Cornus canadensis				15-20		C	3L	Several Shoots	13	4	m²	
Df	400	Dryopteris filix-mas				-		C	7.5L			4	m²	Full pot
LmMW	500	Liriope muscari 'Monroe White'				-		C	5L			5	m²	Full pot; seed or vegetative propagation
Lni	500	Luzula nivea				-		C	5L			5	m²	Full pot; seed or vegetative propagation

Garden Walk: Planting Typology 2 (Colour Swathes Mid to Tall)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
AlGI	100	Allium 'Globemaster'				-		C	5L			1	m²	Full pot; vegetative propagation
AHS	500	Anemone x hybrida 'Honorine Jobert'				-		C	5L			5	m²	Full pot; vegetative propagation
Av	500	Aquilegia vulgaris						C	5L			5	m²	Full pot
CILA	500	Campanula lactiflora 'Loddon Anna'				-		C	3L			5	m²	Full pot; vegetative propagation
Da	400	Dicksonia antarctica				60-80		C	7.5L			4	m²	Vertical and firm within pot
Df	400	Dryopteris filix-mas				-		C	7.5L			4	m²	Full pot
Lni	500	Luzula nivea				-		C	5L			5	m²	Full pot; seed or vegetative propagation
Lsy	500	Luzula sylvatica				-		C	5L			5	m²	Full pot; seed or vegetative propagation
Phy	500	Polygonatum x hybridum				-		C	5L			5	m²	Full pot; vegetative propagation
Sco	100	Sarcococca confusa				40-60		C	10L	Bushy	8	1	m²	

Garden Walk: Planting Typology 3 (Colour Swathes Low to Mid)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
AnV	2000	Anemone nemorosa 'Vestal'	Grade 6/8									20	m²	
Asc	500	Asplenium scolopendrium				-		C	7.5L			5	m²	Full pot; seed propagation
Amaj	500	Astrantia major				-		C	5L			5	m²	Full pot; seed or vegetative propagation
Cpe	500	Carex pendula				-		C	5L			5	m²	Full pot; vegetative propagation
CrcSB	2000	Crocus chrysanthus 'Snow Bunting'	Grade 5/7			-						20	m²	
Lm	500	Liriope muscari				-		C	5L			5	m²	Full pot; seed or vegetative propagation
Tcor	500	Tiarella cordifolia				-		C	5L			5	m²	Full pot; seed or vegetative propagation

Garden Walk: Planting typology 4 (Defensible Hedge Planting)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
Pl	100	Prunus lusitanica				125-150		RB		Bushy	8	1	m²	

Mews: Planting typology 1 (Pleached Hedge and Understorey Planting)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
AnV	500	Anemone nemorosa 'Vestal'	Grade 6/8									5	m²	
Asc	500	Asplenium scolopendrium				-		C	7.5L			5	m²	Full pot; seed propagation
At	500	Asplenium trichomanes						C	7.5L			5	m²	Full pot
Bsp	400	Blechnum spicant				-		C	7.5L			4	m²	Full pot; seed propagation
CrcSB	500	Crocus chrysanthus 'Snow Bunting'	Grade 5/7			-						5	m²	
Tpl	100	Tilia platyphyllos	Standard (Standard)	2x	8-10	250-300	175-200	RB			3	1	m²	

Terrace Garden Trees

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Ctr Spacing	Spacing Type	Comments
Ac	1	Alnus cordata	Multi stem			300-350		C	80L	Bushy	3 stems min	1.00	m	
Agl	1	Alnus glutinosa	Multi stem	4x		400-450		RB		Bushy	3 stems min	1.00	m	
Acan	1	Amelanchier canadensis	Multi stem	3x		300-350		RB		Bushy	5 stems min	1.00	m	
BaCR	1	Betula albosinensis 'China Ruby'		3x	20-25	500-550	min 200	RB			5	1.00	m	
Mv	1	Magnolia virginiana		3x		450-500	min 200	RB			5	1.00	m	

Terrace Planting typology 1 (Defensible Planting)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
Am	1500	Allium Mohican						C	5L			15	m²	Full pot
MsF	500	Miscanthus sinensis 'Flamingo'						C	5L			5	m²	Full pot
PtRQ	100	Phormium tenax 'Rainbow Queen'				40-60		C	5L	Bushy		1	m²	
Saru	500	Stipa arundinacea				-		C	5-7.5L			5	m²	Full pot; seed or vegetative propagation
Uu	500	Uncinia uncinata						C	5L			5	m²	Full pot

Terrace Planting typology 2 (Amenity Planting Mid)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
AmP	500	Achillea millefolium 'Paprika'				-		C	3L			5	m²	Full pot; vegetative propagation
AmSP	500	Achillea millefolium 'Summer Pastels'						C	5-7.5L			5	m²	Full pot
At	500	Achillea 'Terracotta'						C	5L			5	m²	Full pot
AaKG	500	Aster amellus 'King George'						C	2L			5	m²	Full pot
AnPAK	500	Aster novi-belgii 'Professor Anton Kippenberg'						C	2L			5	m²	Full pot
GrT	500	Geranium renardii 'Tcschelda'				-		C	5L			5	m²	Full pot; vegetative propagation
PbS	500	Perovskia 'Blue Spire'						C	5-7.5L			5	m²	Full pot
SHer	500	Sedum 'Herbstfreude'				-		C	5-7.5L			5	m²	Full pot; vegetative propagation
Uu	500	Uncinia uncinata						C	5L			5	m²	Full pot
VbL	500	Verbena bonariensis 'Lollipop'						C	3L			5	m²	Full pot
Vmi	200	Vinca minor				30-40(D)		C	5-7.5L	Several Shoots	5	2	m²	

Terrace Planting typology 3 (Amenity Planting Tall)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
Cbr	500	Calamagrostis brachytricha				-		C	5L			5	m²	Full pot; seed or vegetative propagation
CsMF	100	Cornus sanguinea 'Midwinter Fire'				80-100		C	15L	Branched	5	1	m²	
MsF	500	Miscanthus sinensis 'Flamingo'						C	5L			5	m²	Full pot
MsML	500	Miscanthus sinensis 'Morning Light'				-		C	5-7.5L			5	m²	Full pot; vegetative propagation
Vbe	500	Verbena bonariensis				-		C	5L			5	m²	Full pot; seed propagation

Terrace Planting typology 4 (Sensory Hedge)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
La	500	Lavandula angustifolia				40-60		C	5L	Bushy	3	5	m²	

Terrace Planting typology 5 (Sensory Planting)

Abbrev.	Qty	Name	Form	Age	Girth (cm)	Height (cm)	Clear Stem (cm)	Root Type	Container Size	Habit	Min. no. of Breaks	Density	Density Type	Comments
Lc	500	Lychnis coronaria				-		C	5L			5	m²	Full pot; seed propagation
Pvil	500	Pennisetum villosum				-		C	5L			5	m²	Full pot; vegetative propagation
Ro	500	Rosmarinus officinalis				40-60		C	5L	Bushy	5	5	m²	
RoMJU	500	Rosmarinus officinalis 'Miss Jessopp's Upright'				30-40		C	5L	Bushy	5	5	m²	
SnC	500	Salvia nemorosa 'Caradonna'				40-60		C	5L			5	m²	Full pot; vegetative propagation
SnSW	500	Salvia nemorosa 'Sensation White'				-		C	5L			5	m²	Full pot; vegetative propagation
Tci	500	Thymus x citriodorus				-		C	5L			5	m²	Full pot; seed or vegetative propagation
TciA	500	Thymus x citriodorus 'Aureus'				-		C	5L			5	m²	Full pot; seed or vegetative propagation
TcSQ	500	Thymus x citriodorus 'Silver Queen'				-		C	5L			5	m²	Full pot; seed or vegetative propagation
TDV	500	Thymus 'Doone Valley'				-		C	5L			5	m²	Full pot; seed or vegetative propagation
TsS	1000	Thymus serpyllum 'Snowdrift'						C	2L			10	m²	Full pot
Tv	500	Thymus vulgaris				-		C	5L			5	m²	Full pot; seed or vegetative propagation

Key:

B = Bare-rooted and bagged

C = Container

Ce = Cell Grown

cc = Cubic centimetres

CL = Clump

(D) = Diameter or spread

L = Litre

M = Mat

PL = Plug

R = Roll

RB = Root-balled

RT = Root Trainer

SD = Stem diameter (minimum) in millimetres

Sept to April = optimum planting period excluding Dec to Feb

1+0 = 1 year seedling

1+1 = 2 year seedling transplanted after the first year

0/2 = 2 year cutting not transplanted

X/2/0 = 2 year graft not transplanted

2x = 2 times transplanted

50 x 35cm = dia x ht guide to root-ball size

within column 'Container Size'.

Root-balls can vary in size depending on preparation methods, type of soil and lifting machine

Note: Prices are ex VAT and ex-nursery

BIODIVERSE WILDFLOWER MEADOW MIX

Wildflower Turf Ltd

Wildflower Turf Native Enriched Turf: *WFT-Native-Enriched*

SEED SPECIFICATION – 100% flowers

❖ Subject to seed availability

FLORA			
1	Alpine Forget Me Not	(<i>Myosotis alpestris</i>)	P
2	Alpine Rock Cress	(<i>Arabis alpine</i>)	P
3	Autumn Hawkbit	(<i>Leontodon autumnalis</i>)	P
4	Baby's Breath	(<i>Gypsophila elegans</i>)	A
5	Betony	(<i>Stachys officinalis</i>)	P
6	Bird's foot Trefoil	(<i>Lotus corniculatus</i>)	P
7	Black Medic	(<i>Medicago lupulina</i>)	A/P
8	Bladder Campion	(<i>Silene vulgaris</i>)	P
9	Blue Flax	(<i>Linum perenne</i>)	P
10	Borage	(<i>Borago officinalis</i>)	A
11	Cat's ear	(<i>Hypochaeris radicata</i>)	P
12	Common Columbine	(<i>Aquilegia vulgaris</i>)	P
13	Common Corncockle	(<i>Agrostemma githago</i>)	A
14	Common Knapweed	(<i>Centaurea nigra</i>)	P
15	Common Poppy	(<i>Papaver rhoeas</i>)	A
16	Common Toadflax	(<i>Linaria vulgaris</i>)	P
17	Common Vetch	(<i>Vicia sativa</i>)	P
18	Comflower	(<i>Centaurea cyanus</i>)	A
19	Cowslip	(<i>Primula veris</i>)	P
20	Crimson Clover	(<i>Trifolium incarnatum</i>)	A
21	Everlasting flower 'Orange'	(<i>Xerochrysum bracteatum</i>)	A
22	Feathered Pink	(<i>Dianthus plumarius</i>)	P
23	Fenugreek	(<i>Trigonella foenum-graecum</i>)	A
24	Field Scabious	(<i>Knaulia arvensis</i>)	P
25	Garden Candytuft	(<i>Iberis umbellata</i>)	A
26	Honesty	(<i>Lunaria annua</i>)	A
27	Horned Pansy	(<i>Viola cornuta</i>)	P
28	Kidney Vetch	(<i>Anthyllis vulneraria</i>)	P
29	Lady's Bedstraw	(<i>Galium verum</i>)	P
30	Meadow Buttercup	(<i>Ranunculus acris</i>)	P
31	Meadow Cranesbill	(<i>Geranium pratense</i>)	P
32	Meadowsweet	(<i>Filipendula ulmaria</i>)	P
33	Musk Mallow	(<i>Malva moschata</i>)	P
34	Nodding Catchfly Campion	(<i>Silene pendula</i>)	A
35	Ox Eye Daisy	(<i>Leucanthemum vulgare</i>)	P
36	Perforate St John's Wort	(<i>Hypericum perforatum</i>)	P
37	Ragged Robin	(<i>Lychnis flos-cuculi</i>)	P
38	Red Campion	(<i>Silene dioica</i>)	P
39	Red Flax	(<i>Linum annum</i>)	A
40	Rough Hawkbit	(<i>Leontodon hispidus</i>)	P
41	Sainfoin	(<i>Onobrychis viciifolia</i>)	P
42	Salad Burnet	(<i>Sanguisorba minor</i>)	P
43	Self-heal	(<i>Prunella vulgaris</i>)	P
44	Siberian Wallflower	(<i>Cheiranthus allionii</i>)	B/SLP
45	Sweet William	(<i>Dianthus barbatus</i>)	B
46	Tufted Vetch	(<i>Vicia cracca</i>)	P
47	Viper's Bugloss	(<i>Echium vulgare</i>)	B
48	White Campion	(<i>Silene latifolia</i>)	P
49	White Melilot	(<i>Melilotus albus</i>)	B
50	Wild Carrot	(<i>Daucus carota</i>)	B
51	Wild Marjoram	(<i>Origanum vulgare</i>)	P
52	Yarrow	(<i>Achillea millefolium</i>)	P
53	Yellow Rattle	(<i>Rhinanthus minor</i>)	A

Key: P = Perennial; B = Biennial; A = Annual; SLP = Short Lived Perennial

Red species names are not UK provenance seed for this mix only

1.1 Wildflower Native Enriched Turf

1.1.1	The Wildflower Turf is a soil-free wildflower turf system that is nursery grown to produce a mat of wildflower plants that retains 100% of its root system.	
1.1.2	The turf is made up of 100% UK native and naturalised wildflowers providing more colour and interest and a 'cottage garden' look and feel that will naturalise over time.	
1.1.3	The soil-less growing technique uses an inert, pH modified, low nutrient, compost based growing medium that is compatible with all Wildflower Turf Limited products.	
1.1.4	A fine degradable net is incorporated in the root zone of the turf to provide stability and strength, whilst maintaining a relatively lightweight roll ranging from 15 to 18kgs/m ² .	
1.1.5	Turf size will vary with application but is generally 1m x 0.64m = 0.64m ² per slab. Larger 2 x 20m (40m ²) roll sizes are also available.	

1.2 Wildflower Turf Preparation and Installation

1.2.1	Existing vegetation should be killed or removed. Dig over or rotovate the soil to at least 100mm deep and rake over to create a reasonably fine tilth. Remove large stones, roots or clods of earth as it is important that the roots of the plants in the turf are all in close contact with the soil and no air pockets are created.	Soil preparation
1.2.2	Ensure the soil is not waterlogged or compacted prior to laying the turf. There is no need to fertilise the soil before or after laying the turf. Wildflowers thrive on soils that are low in nutrients – although where soils are very low in nutrients a light application of general purpose fertilizer can help with plant establishment. However please refer to the Wildflower Turf supplier if this situation arises. There is no need to strip top soil to reduce soil fertility before using Wildflower Turf, but where soil is fertile particular attention must be paid to the maintenance regime – see section 1.3. There is usually no need to import top soil unless there is no growing medium there at all. If there is just sub-soil or solid chalk or compacted clay, for example, then a relatively shallow layer of top soil of approximately 50-75mm (2-3 inches) may be required. Please refer to Wildflower Turf Ltd if unsure.	Soil conditions and fertility.
1.2.3	When laying the turf, care should be taken to ensure that all joints are butted up correctly to prevent the growth of weeds	Laying the turf
1.2.4	in any open gaps. Do not overlap the turf at the joints and do not create tension so joints pull apart or shrink as they dry out. There is no need to dress the joints with sand or soil – the rapid development of the plants along with the minimal cutting regime ensures all joints are grown in within a week or so of laying the turf. Once laid, water the turf thoroughly, for the first week, depending on the weather. If the soil is not soaked before laying it is important to check that the initial watering soaks through to the soil beneath the turf. Do this by lifting a corner of the turf to ensure that the soil below the turf has received water from the irrigation. This simple technique ensures the turf receives sufficient water during its first irrigation. Do not allow the turf to dry out while it establishes and this should only take approximately 2 weeks. Over watering can result in grass dominating the sward – so only water as necessary. Once established the wildflowers provide a drought tolerant environment and shouldn't need watering again.	Watering

1.3 Wildflower Turf Maintenance

1.3.1	No fertilizer is needed, although in some circumstances, for example on a green roof or where the turf is on very low fertility soil such as sand or gravel, the addition of a light dose of fertilizer in the spring may improve plant development. Please refer to Wildflower Turf Ltd.	Fertilizer
1.3.2	Once established Wildflower Turf requires very little maintenance, however in the autumn it is important to cut the plants and remove these cuttings. This can be done by strimming and raking, or using a mower and collecting the cuttings. Make sure these tools are sharp. Cutting the plants back to 1 to 2 inches (25mm to 50mm) in length is an important part of their lifecycle and ensures that re-growth and species diversity will continue year on year.	Cutting regime
1.3.3	The cut and remove should be carried out from late summer, ideally after the plants have set and shed their seed. Not only does this tidy up the area for the winter but it stops the senesced summer growth from covering the growing plant in a layer of rotting plant material. If left this material becomes adverse competition for the plants and re-introduces nutrients in the form of 'composting' plant material. After the autumn it is important to remove all leaf litter that falls on the area.	Clear arisings
1.3.4	There is no need for a set date for the late cut and remove. Timings can vary to suit the required look of the site, but thought should be given to the fauna in the habitat on site. Cutting only half of the meadow area at one time will give time for fauna to migrate to the uncut meadow. Allow some regrowth of the cut area before cutting the second half. But aim to have finished all cutting by the end of the first week of October. Over time alternate the areas that are cut early and the areas that are left as this will benefit species diversity.	Timing the cut

