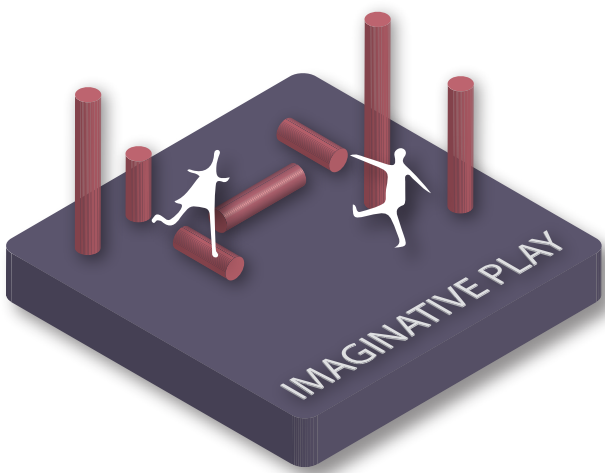
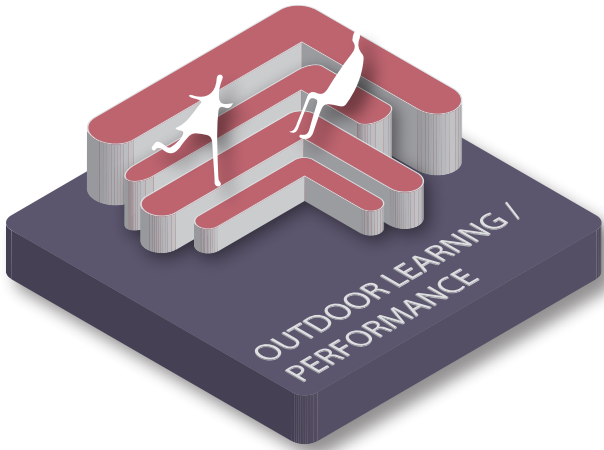
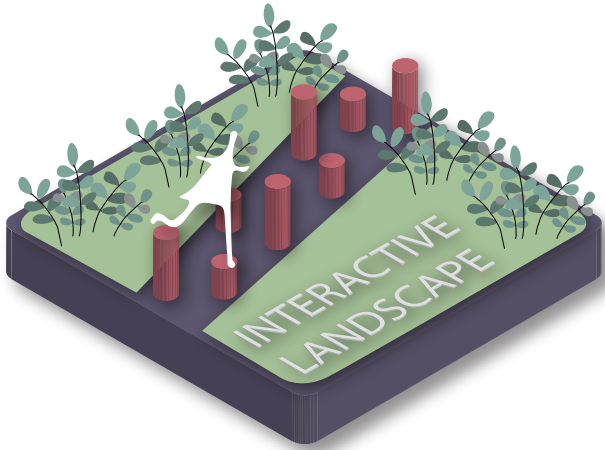
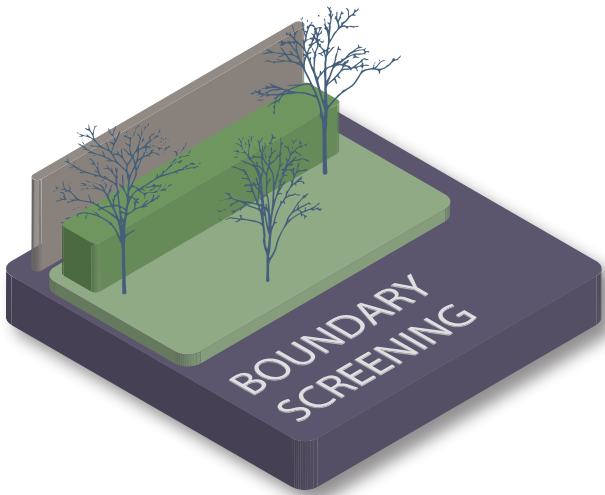
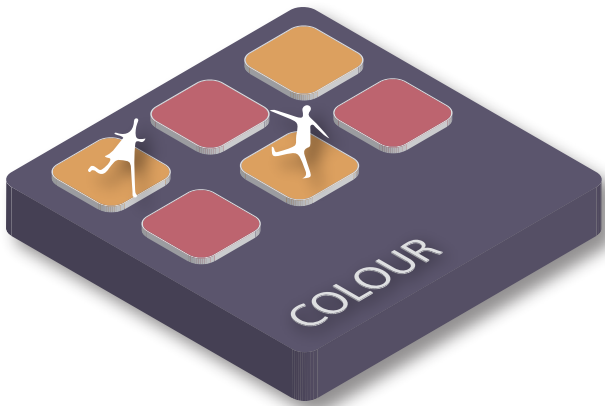


Design Principles

Through the design process we have reviewed the requirements and deliverables for a new school, discussed Home's England aspiration to provide an exemplar primary school, reviewed proposals for the secondary school, the wider masterplan and vision for Brookleigh. Initially we wanted to ensure a rich landscape with tree planting so the school sits within the wider masterplan; this provided opportunity to encourage pupils to interact and play through the landscape, an uplift from simple boundary planting. The shapes and forms developed stem from the 'nature' approach and allowed the softer elements of the design to extend and meander through the scheme. It was an early decision to avoid prescriptive play features and instead utilise the landscape design to allow imaginative free play; this allows the opportunity to create seating, walls and routes into the landscape as wells as then extending across the playgrounds in the form of mega graphics. Finally, opportunity for colour was developed, the tones proposed align with the building colours and adds another layer of interest and play into the playgrounds.



7.0 LANDSCAPE

7.5 LANDSCAPE STRATEGIES

Levels

The existing site levels in the area of the proposed building are circa 1m lower than the built EBLR. The design intent is to lift the proposed building to provide Part M compliant level access for all into the school. The proposed FFL will be in the region of 25.600.

It has been confirmed by WSCC that a football pitch is required. In order to achieve Sports England standards the playing fields will need to be re-graded to achieve 1:100 cross falls.

Arrival

- Part M compliant level access
- Access for all
- The site grades from east to west across the school frontage
- Single FFL maintained

Playgrounds

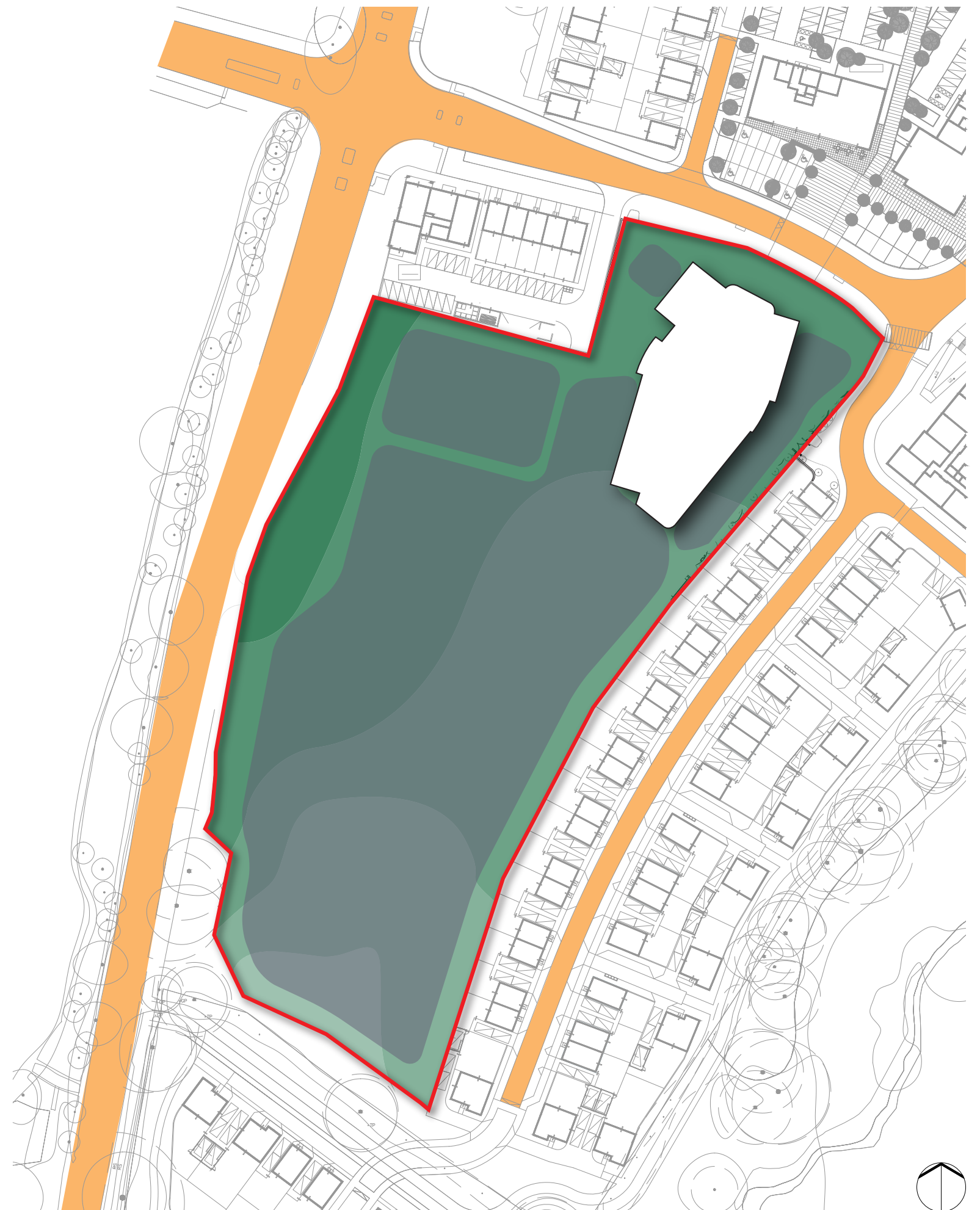
- Part M compliant level access
- Access for all
- Nominal 1:60 cross fall to hard spaces for drainage
- Landscape to boundaries used to merge levels, 1:3 max

Sports Pitches

- BB103 ambition to maximise soft play area
- Propose maximum area with 1:100 sports pitch compliant cross falls
- Landscape to boundaries used to merge levels, 1:3 max

Access Road and Car Park

- Access road uses adjacent landscape to merge levels
- Car park includes Part M compliant levels
- Access for all



Boundaries

The school includes a range of standard boundary treatments and benefits from a feature frontage that forms part of the architectural and civic presence on the Neighbourhood Centre.

- 1 The frontage wall will be 2.4m high with no climbing opportunities, the wall will curve in a Crinkle Crankle fashion.
- 2 The frontage wall will become a standard 2.4m high wall as we meet the western boundary with the residential plot.
- 3 The boundary to the east with residential rear gardens will be a standard 2.4m high weldmesh fence however the gardens will include their own fencing.
- 4 The boundary to the south will be 2.4m high weldmesh fencing.
- 5 The western boundary needs to provide acoustic screening and will be 2.4m high vertical timber.
- 6 The MUGA will require 3m high sports fencing.

1



2



3



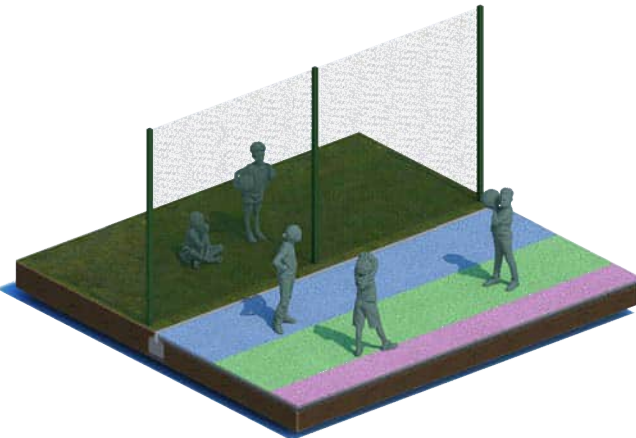
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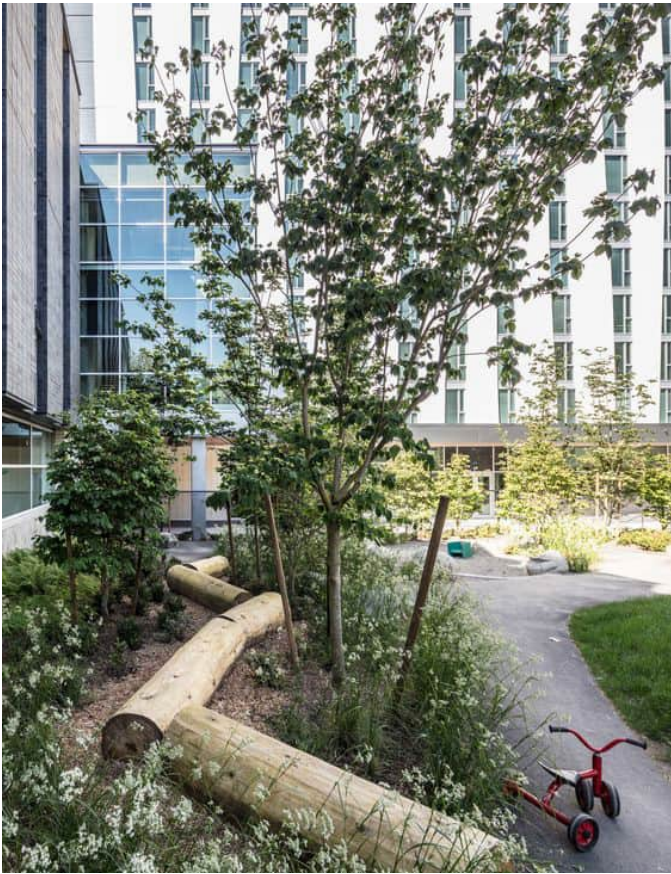
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Hard Materials

The school will utilise school standard materials as a baseline and then uplift them through the use of colour and form. Playgrounds, footpaths and car parks will utilise tarmac, the playgrounds will then include feature colour banding which will blend into raised planters and seating elements. A subtle colour palette is proposed which compliments the building tones. Timber elements will be used for seating and play through the landscape.

The school frontage will blend into the EBLR through the use of the same concrete paver palette.



Habitat Spaces

BB103 guidance sets out the requirements for general habitat areas - *should include grounds developed for a range of supervised activities, for instance meadowland, wildlife habitats (such as ponds), gardens and outdoor science areas to support the curriculum. Such areas should generally be fenced to avoid unsupervised access.*

The strategy for Brookleigh Primary is to provide a sheltered outdoor learning area and a variety of growing areas and ecology habitats.



7.0 LANDSCAPE

7.5 LANDSCAPE STRATEGIES

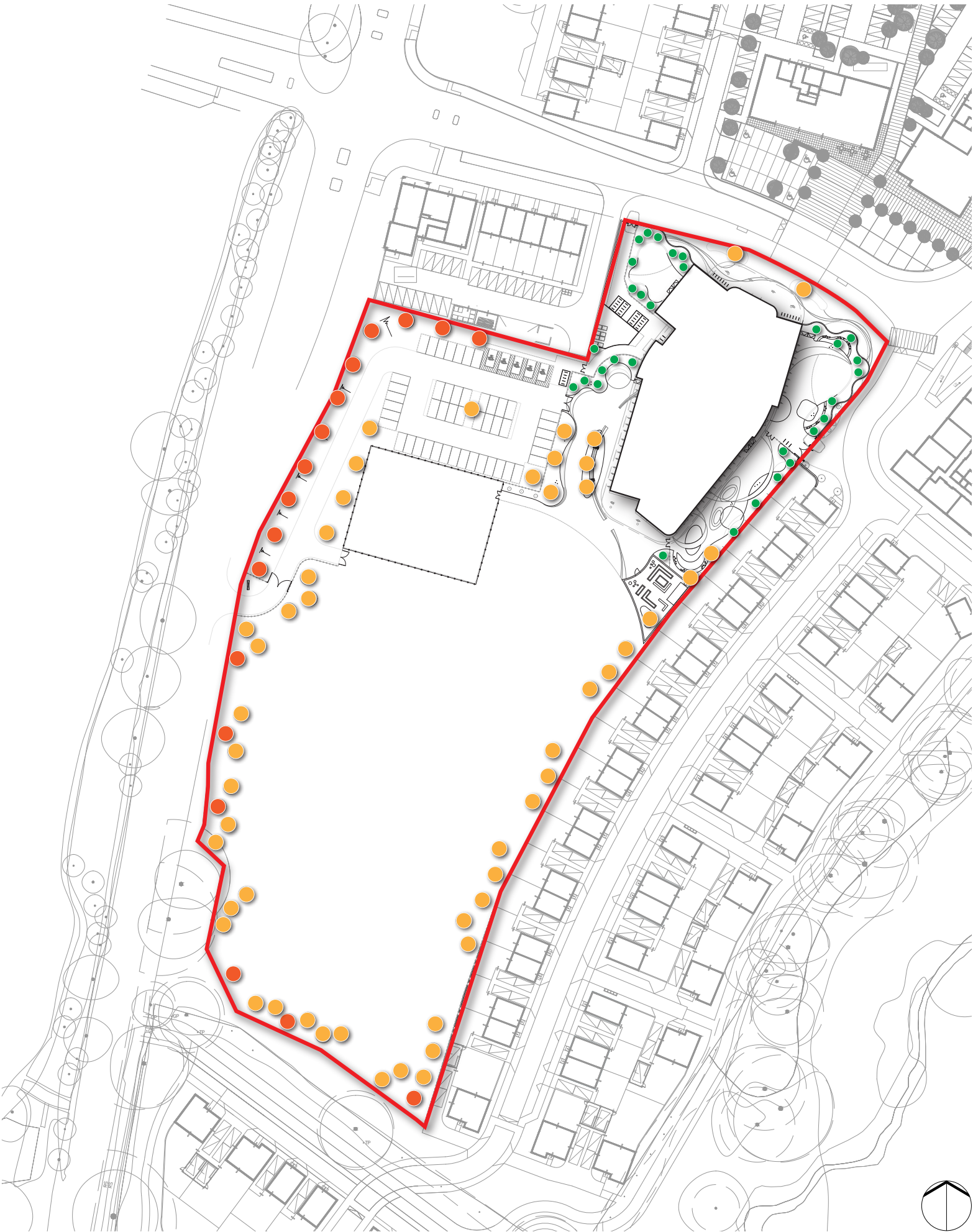
Tree Planting Strategy

The proposed tree planting strategy has been developed following the guidance and species lists set out in the Northern Arc Revised Design Guide, Section 9.6. Specifically it notes the following:

Native or complementary non-native tree species should be used that respond to local character and provide good resilience to climate change, pests and disease and provide benefits to local habitat. The following trees, in a range of large (15-20m+ high), medium (10-15m high) and small (7-10m high) provide a guide of species most suited to the Northern Arc Avenue. Use of other species and specific cultivars of those listed can be considered and discussed with the Planning Authority.

The school specific strategy proposes larger tree species the access road adjacent to Isaac's Lane to compliment the existing trees lining this road; within the playing fields we propose a combination of larger and medium size trees; to the playground edge where it meets the playing fields we propose medium sized, clear stem trees; finally, in closer proximity to the building and playgrounds we propose smaller multi-stem trees that will provide a sense of enclosure and screening without becoming a maintenance issue as they grow.

- Large clear stem trees
- Medium clear stem trees
- Small multi-stem trees



Tree Planting Palette

- 1 Quercus palustris
- 2 Tilia cordata
- 3 Acer platanoides
- 4 Acer campestre
- 5 Alnus cordata
- 6 Carpinus betulus
- 7 Corylus avellana
- 8 Liquidamber styraciflua
- 9 Prunus avium
- 10 Prunus spinosa
- 11 Ulmus 'New Horizon'
- 12 Acer griseum
- 13 Amelanchier lamarckii
- 14 Betula utilis 'Jacquemontii'
- 15 Cornus kousa
- 16 Cotinus coggygria 'Royal Purple'
- 17 Prunus cerasifera 'Nigra'
- 18 Prunus serrula

- Large clear stem trees
- Medium clear stem trees
- Small multi-stem trees



Planting Palette

- Grasses
- 1 Calamagrostis x acutiflora 'Karl Foerster'
 - 2 Hakonechloa macra
 - 3 Luzula sylvatica
 - 4 Stipa tenuissima

- Ferns
- 5 Asplenium scolopendrium
 - 6 Dryopteris filix-mas
 - 7 Matteuccia struthiopteris
 - 8 Polystichum polyblepharum

- Shrubs
- 9 Astrantia major
 - 10 Cornus alba
 - 11 Echinops ritro
 - 12 Hebe rakaiensis
 - 13 Kniphofia flamenco
 - 14 Pachysandra terminalis
 - 15 Persicaria bistorta
 - 16 Salvia officinalis
 - 17 Sanguisorba officinalis
 - 18 Stachys byzantine
 - 19 Verbena bonariensis
 - 20 Viburnum opulus
 - 21 Trachelospermum jasminoides

- Grasses
- Ferns
- Shrubs



Proposed Masterplan

Please note all supporting visuals in the following pages are illustrative only.

- 1 Tree planted boundaries
- 2 Playing fields
- 3 MUGA
- 4 Vehicle access from Isaac's Lane
- 5 Staff car park
- 6 Habitat area
- 7 Main playground
- 8 Western access / entry including cycle parking and refuse
- 9 SSC playground
- 10 Reception playground
- 11 Nursery playground
- 12 Nursery entrance
- 13 Main entrance
- 14 Entrance for cycle parking



7.6 LANDSCAPE PROPOSALS

Student Arrival

The vision for the primary school is for a small catchment area and children to arrive sustainably, walking or cycling. In collaboration with adjacent developers, MSDC and WSDC we have provided a safe arrival route through the Neighbourhood Centre and across the EBLR. Later in the document we note the aspirational improvements for the EBLR with regards to the cycle highway. We have set the proposed school building into the red line to provide a greater safe space for gathering and waiting. Seating and planting islands, along with bollards create a safe separation from the cycle lanes. The frontage includes soft landscaping set within the wall undulations with further seating opportunities.

- 1 The majority of students will arrive via the school frontage.
- 2 Pupils arriving by cycle or scooter will access to the west and a secure storage area. A secondary entrance is provided to this elevation.

- 3 The nursery benefits from a separate entrance to the east. Local road crossings and a boundary line set back provide a generous gathering area a safe distance from any vehicles.



7.0 LANDSCAPE

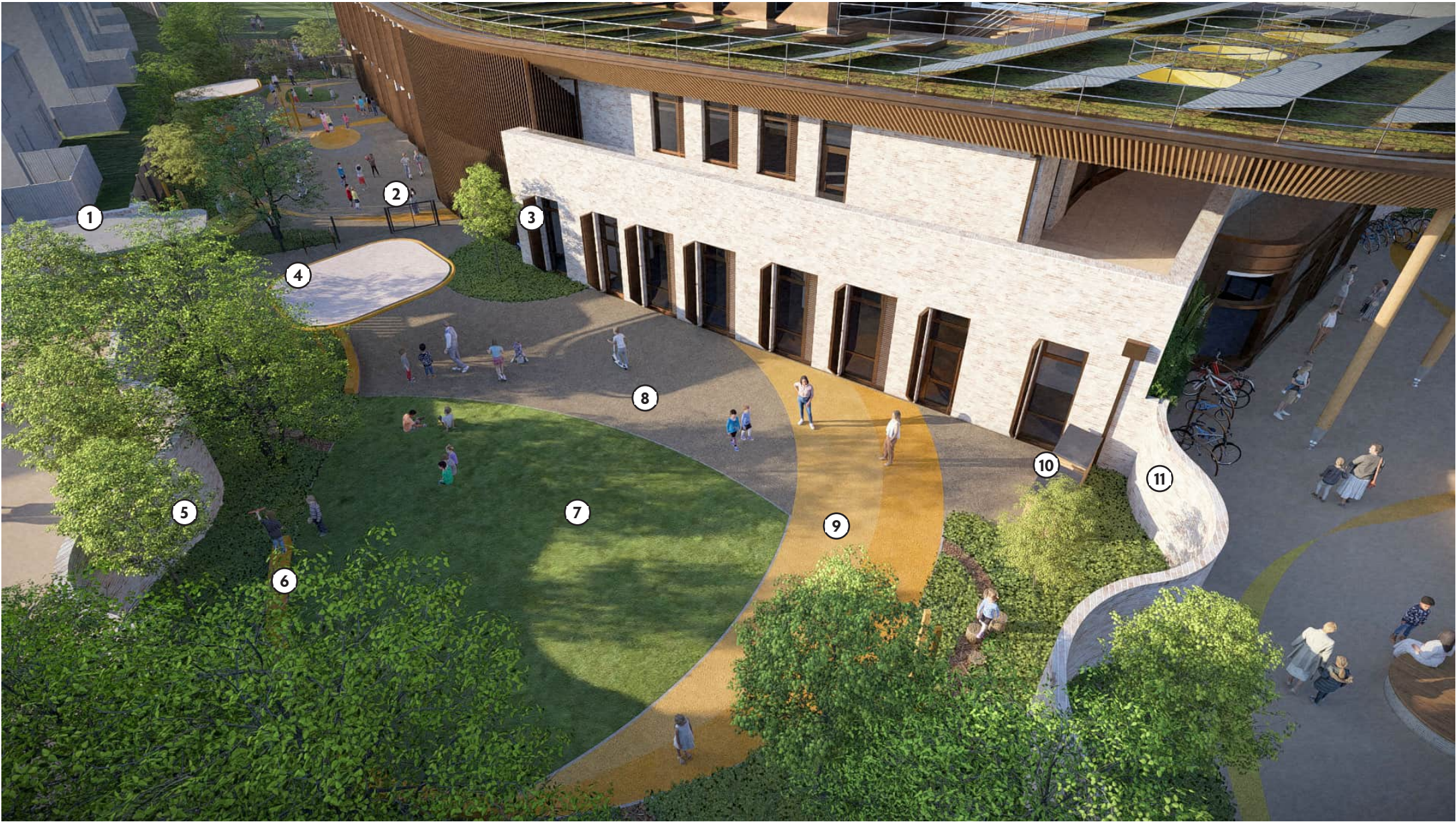
7.6 LANDSCAPE PROPOSALS

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Nursery

The external area of the nursery, circa 530 sqm, provides access from the entrance to the building, generous outdoor play area, a close connection with sensory landscaping, a solid boundary for visual screening, shade canopy to encourage year round outdoor learning and incorporated solutions for storage. These elements are provided in an interactive and visually interesting form to deliver a stimulating learning environment from the ground up. The proposals provide an environment for imaginative play without dedicated and prescriptive play equipment, it is envisaged that the nursery provider / school will provide loose play and learning equipment that will be stored internally and externally as appropriate.



- 1 Nursery Entrance
- 2 Secure separation from reception playground
- 3 Scooter parking
- 4 Outdoor shelter / canopy
- 5 Tree and shrub planting to boundary
- 6 Feature walls for play and seating
- 7 Amenity lawn
- 8 Hard surfacing
- 9 Feature paving
- 10 External storage
- 11 Crinkle Crankle boundary wall

7.0 LANDSCAPE

7.6 LANDSCAPE PROPOSALS

Reception

Continuing the forms and layout, the reception playground provides a larger, playable area than the nursery space; circa 550 sqm. Amenity lawn is omitted as this is accessible in the playing fields, and the area is provided as hard surfacing inlaid with feature banding, seating walls and undulations for play. The playground encourages imaginative play, in all weather, and a closer interaction with nature as routes are provided through the boundary planting. Shade canopies are provided above seating areas to encourage year round outdoor learning. Adjacent to the playground and accessed via gates is the habitat area.

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- 1 Separation from the main school playgrounds
- 2 Outdoor shelter / canopy
- 3 Undulations provide opportunities for play, including depressions to temporarily hold rain fall for 'rain play'
- 4 Feature walls for play and seating
- 5 Feature paving
- 6 Vertical elements in the playground for imaginative play
- 7 Hard surfacing
- 8 Tree and shrub planting to boundary
- 9 Secure separation from reception playground