



CULLINAN STUDIO

A Therapeutic Landscape

at

Alder Hey Children's Hospital, Liverpool

Lucy Brittain



CULLINAN STUDIO



Alder Hey Children's Hospital

Dewi Jones building

Community Cluster

Springfield Park



Therapeutic principles

- Interaction with nature
- Scale and use of space
- Evolutionary principles
- Natural analogues





Local Parks & Facilities

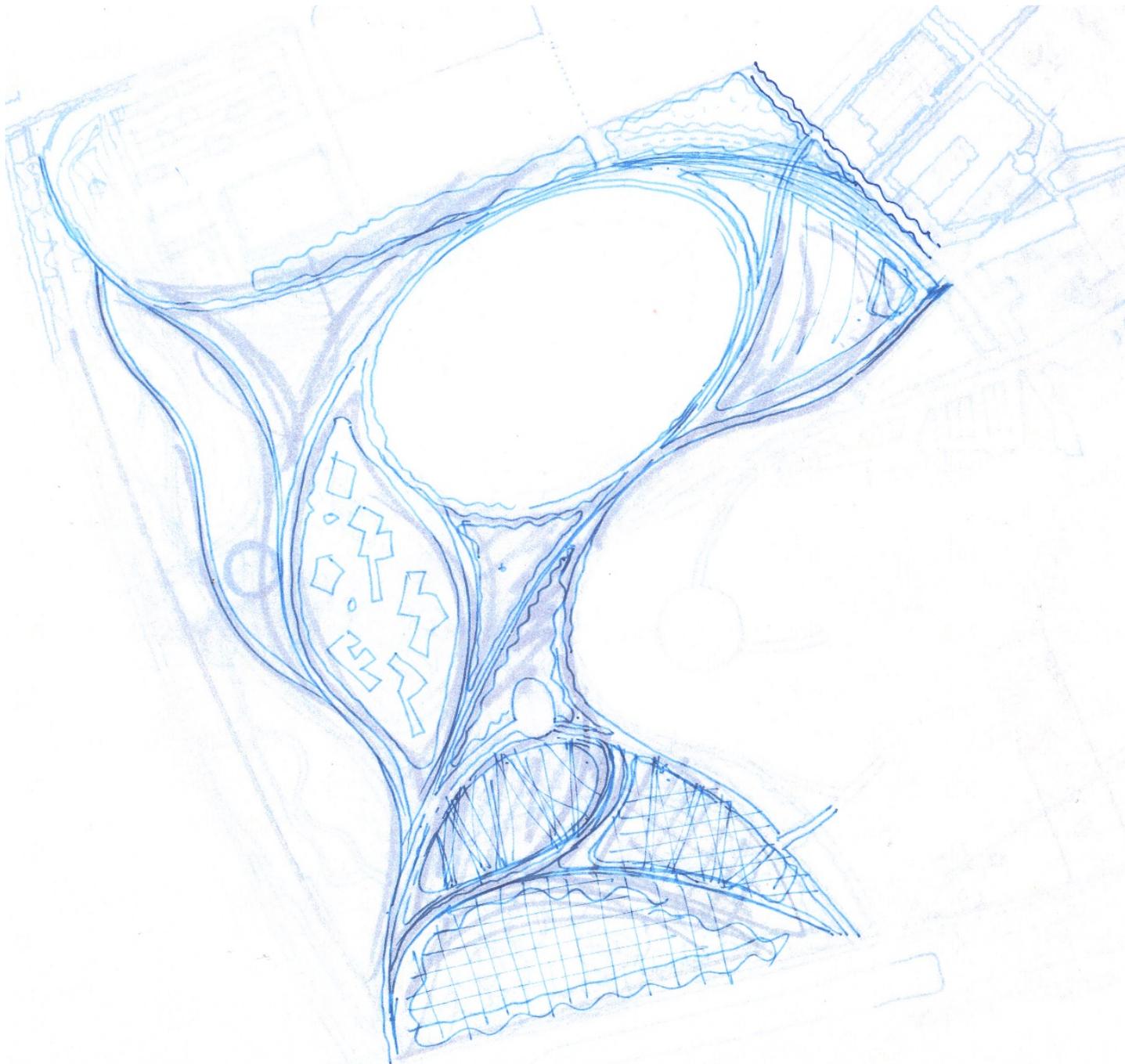
Complementing other nearby facilities

Connecting green spaces along the Liverpool Loop Line



Memorial Statue
Springfield Park

Springfield
Park & Garden



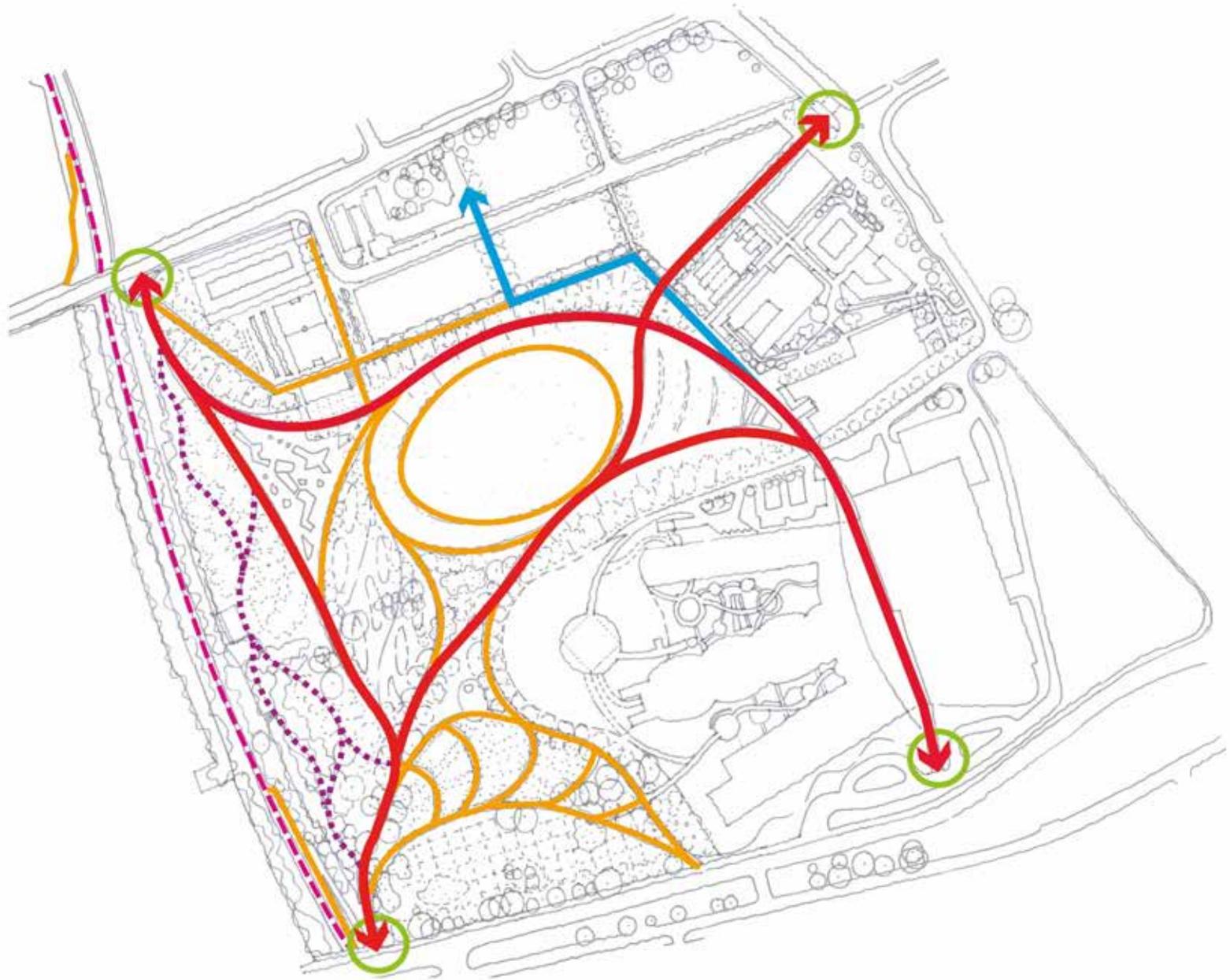
Initial Concept

Smooth flowing lines

Integrating existing & new as one

Connecting paths and routes

Clustering uses and themes

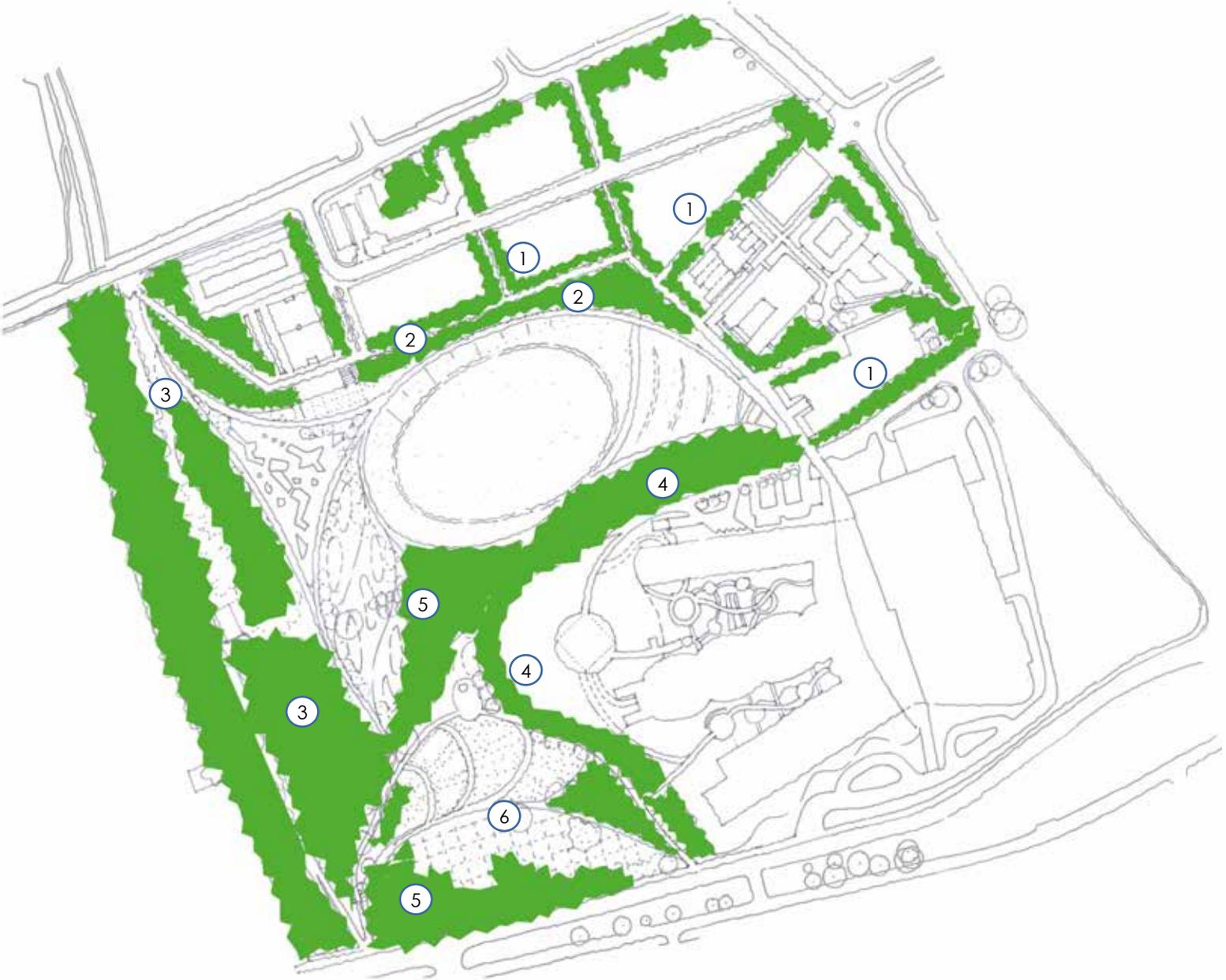


Connection to nature

- Red – main routes linking three communities
- Blue – lower route to McDonald House
- Orange – secondary routes
- Purple – informal woodland walk



Views to green spaces - trees



1 Green fingers into park

2 Spring walk

3 Native planting

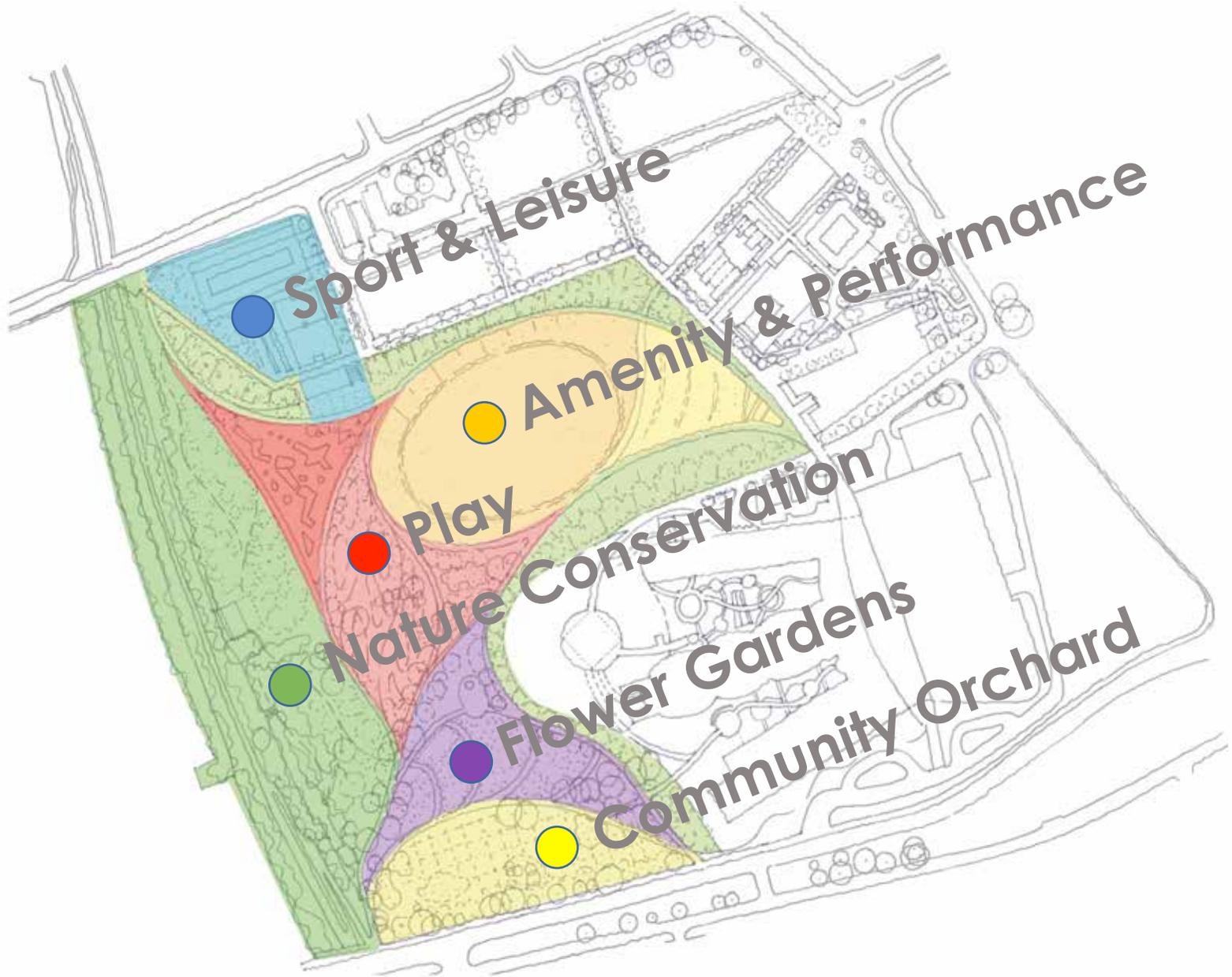
4 Screen planting

5 Mixed species planting

6 Orchard planting

Multisensory access - flowers and orchard





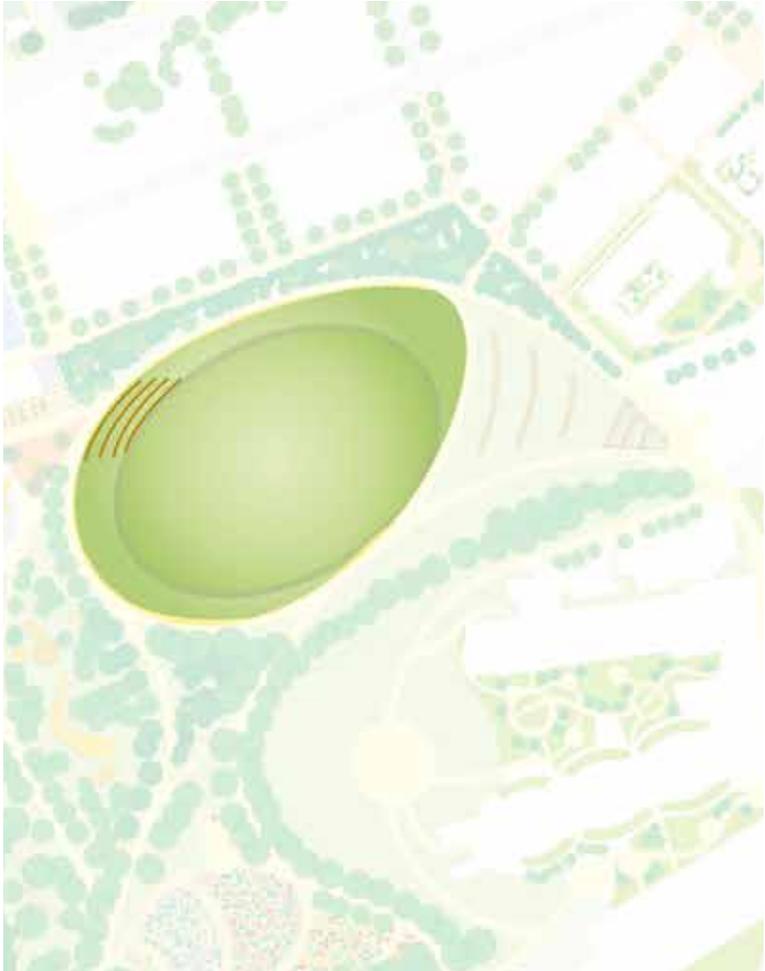
Character & uses – scale and use of space



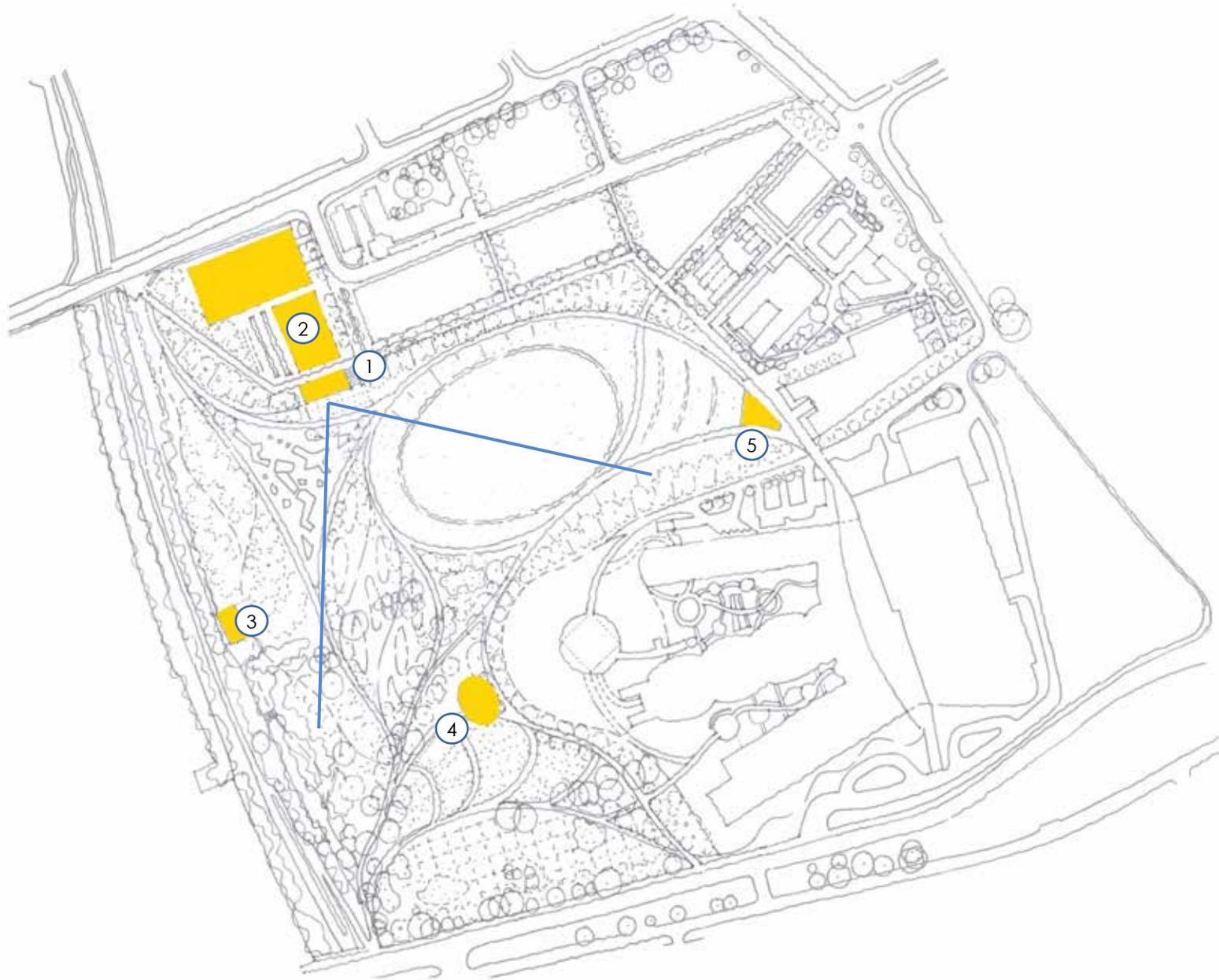
Natural play spaces



Central lawn & performance area



Key park features - prospect and refuge



1 Café and multi-purpose space

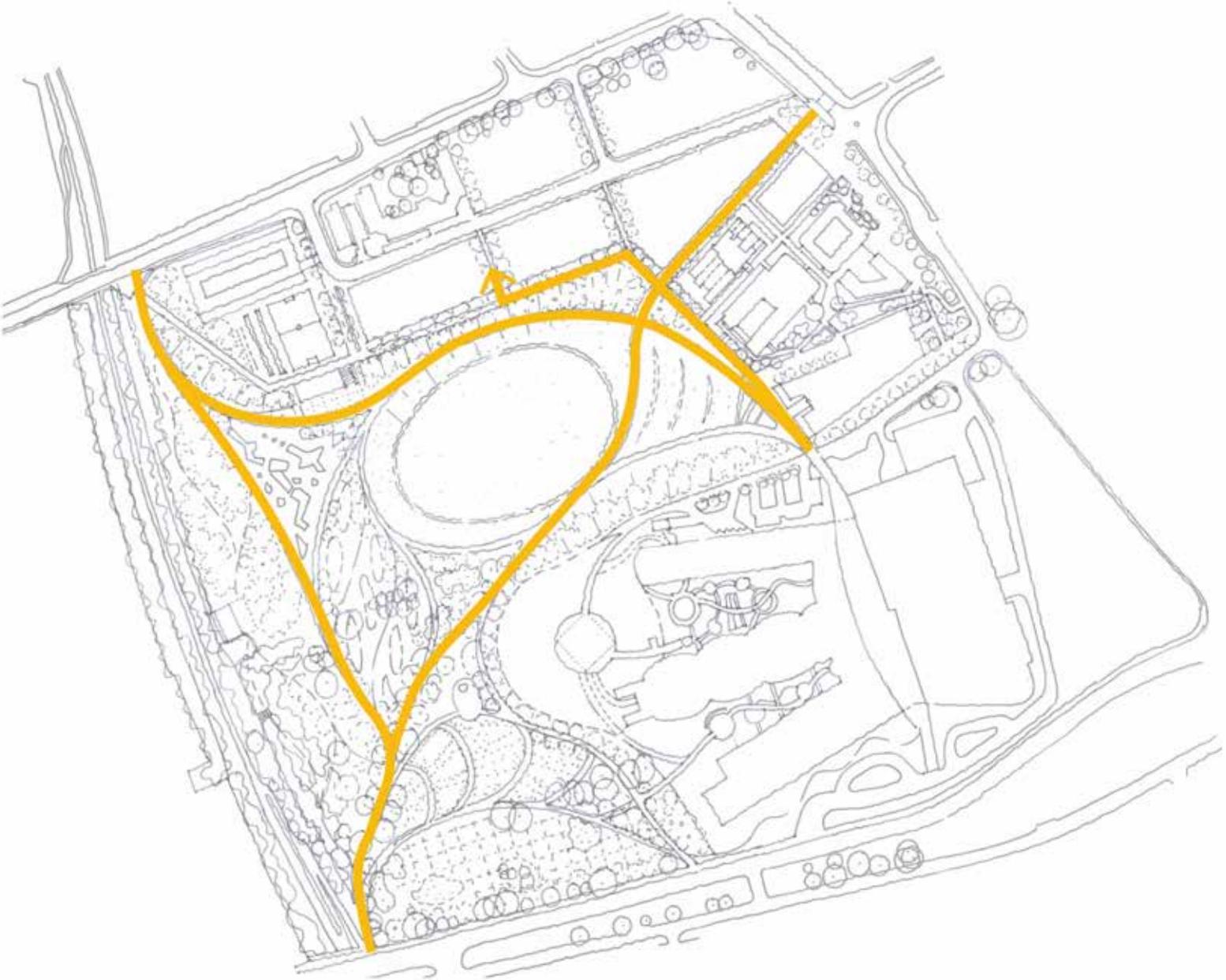
2 Sports facilities

3 Existing sub station

4 Existing memorial

5 Performance Area

Lighting - legibility



Landforms

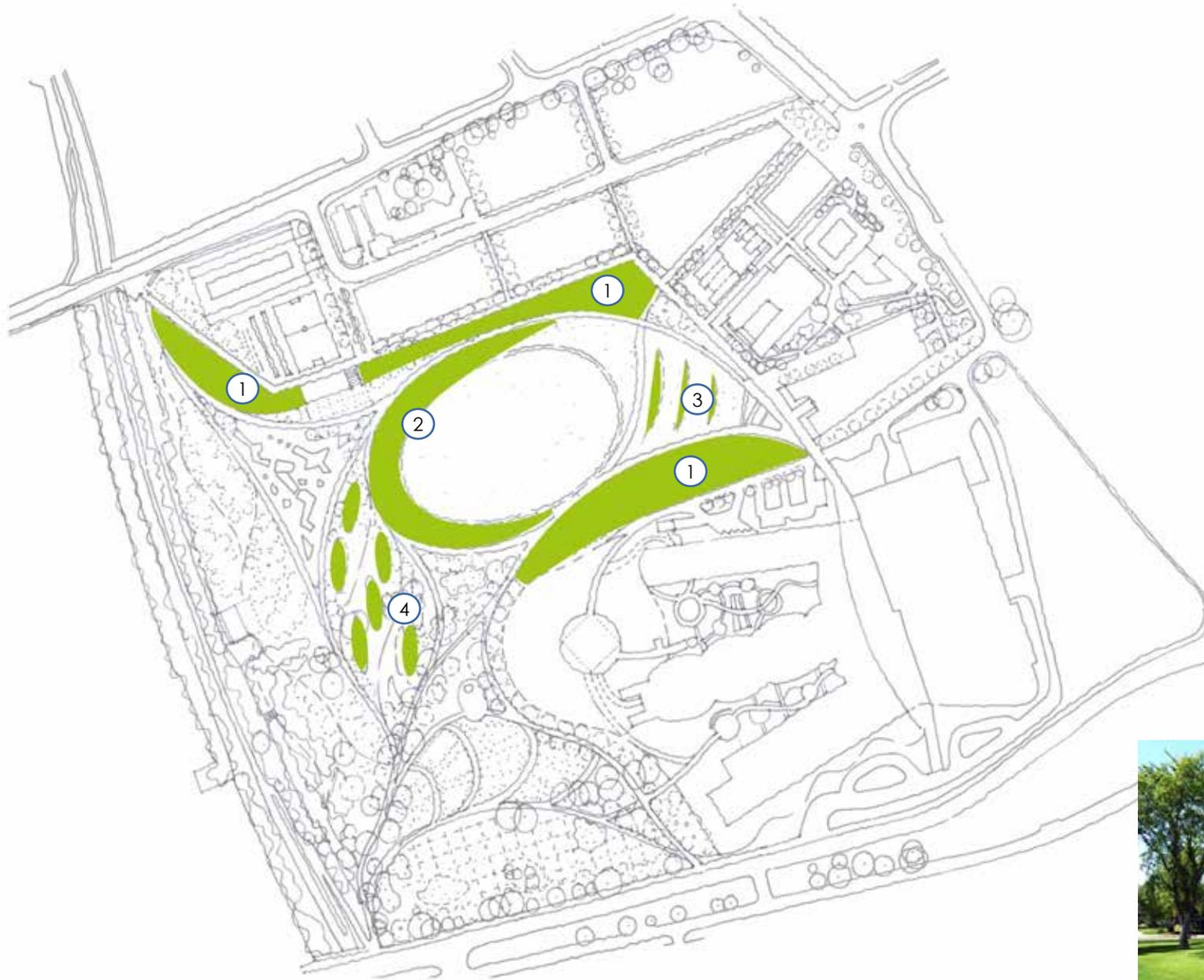
– create complexity

1 Screen earthworks & take up level change

2 Embankment for sitting, lying

3 Gentle grass stepped slopes

4 Earthworks integrated with play

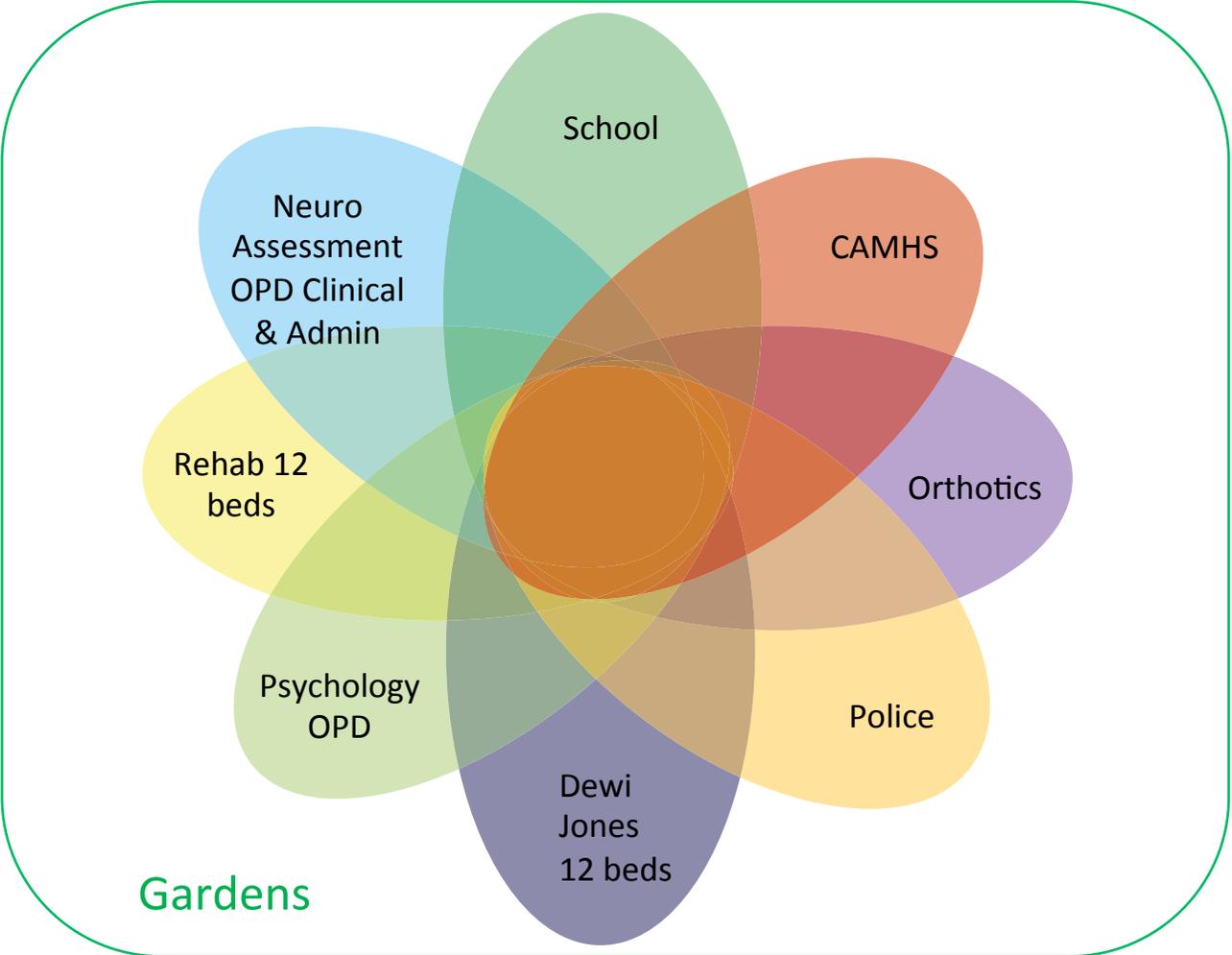


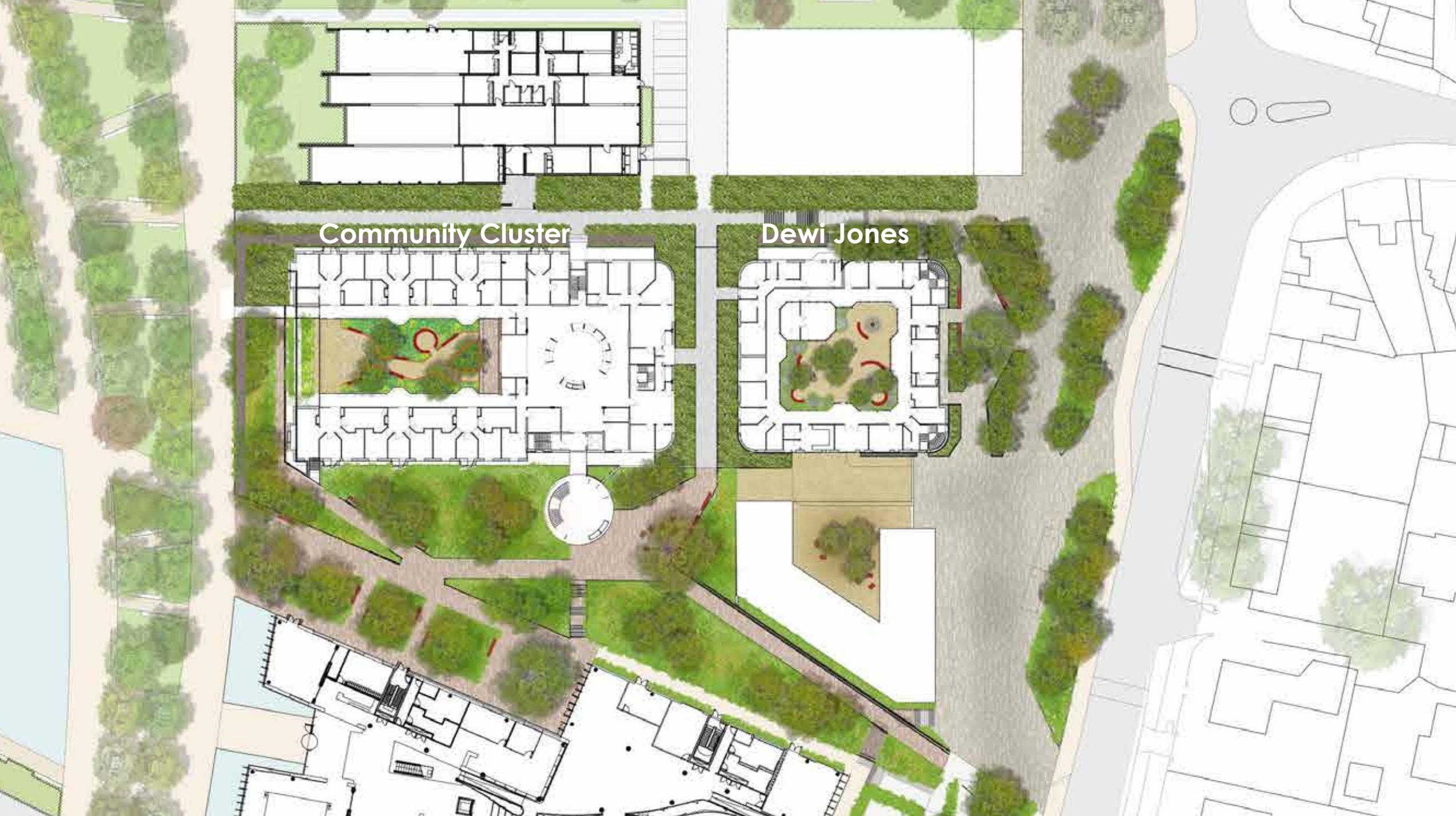
Springfield Park Layout



1. New Entrance
2. Car Park
3. MUGA
4. Pavilion
5. Play Area
6. Natural Play
7. Converted Substation
8. Woodland Walk
9. Accessible Route
10. Existing Monument
11. Flower/Rose Garden
12. Community Orchard
13. Existing Entrance
14. New Boundary Planting
15. Earthworks
16. Embankment & Terrace
17. Perimeter Access.
18. Performance Space
19. Surface Water Swale
20. Loop Steps.
21. Central Amenity Space

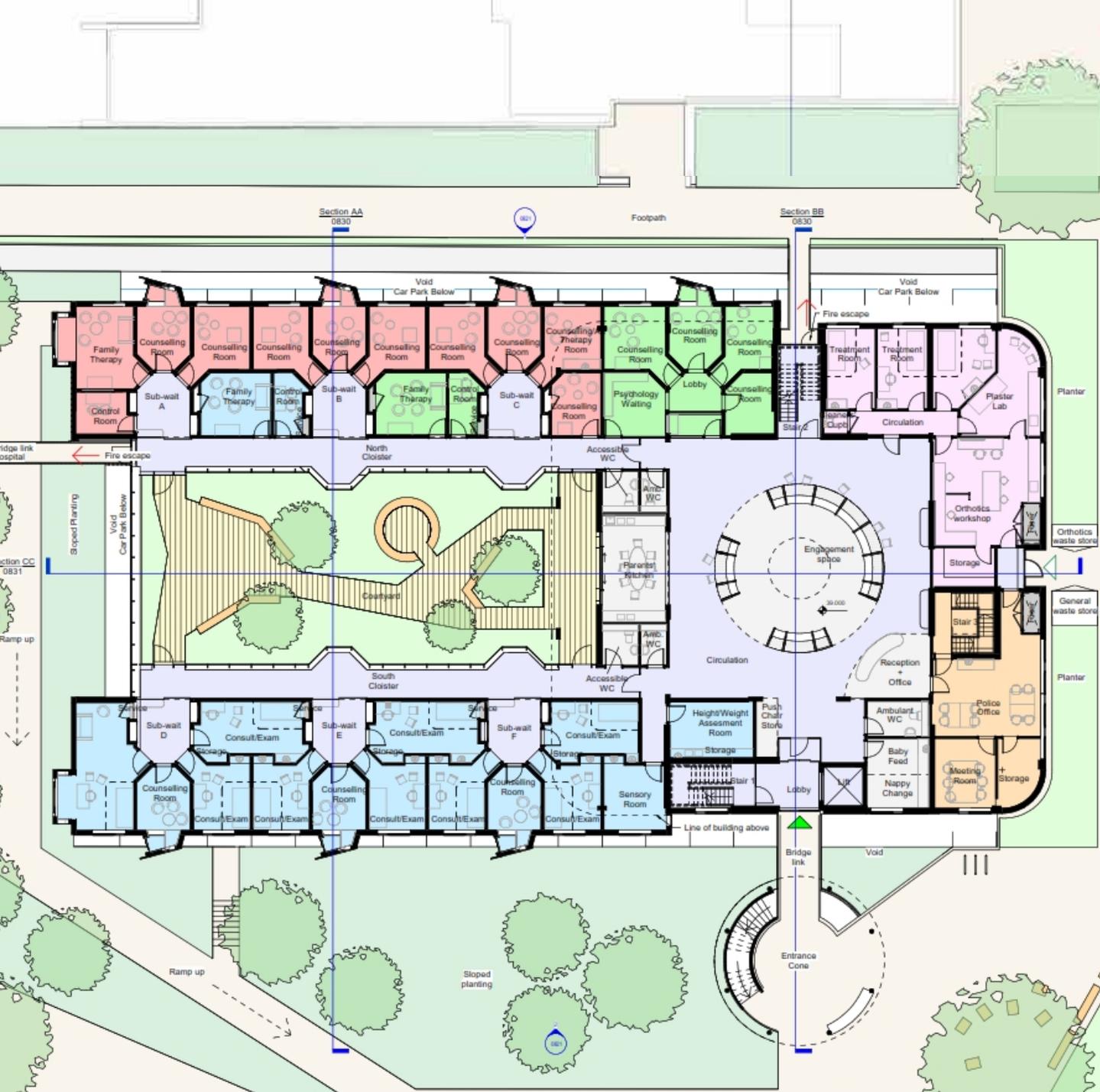
Community Cluster and Dewi Jones Buildings

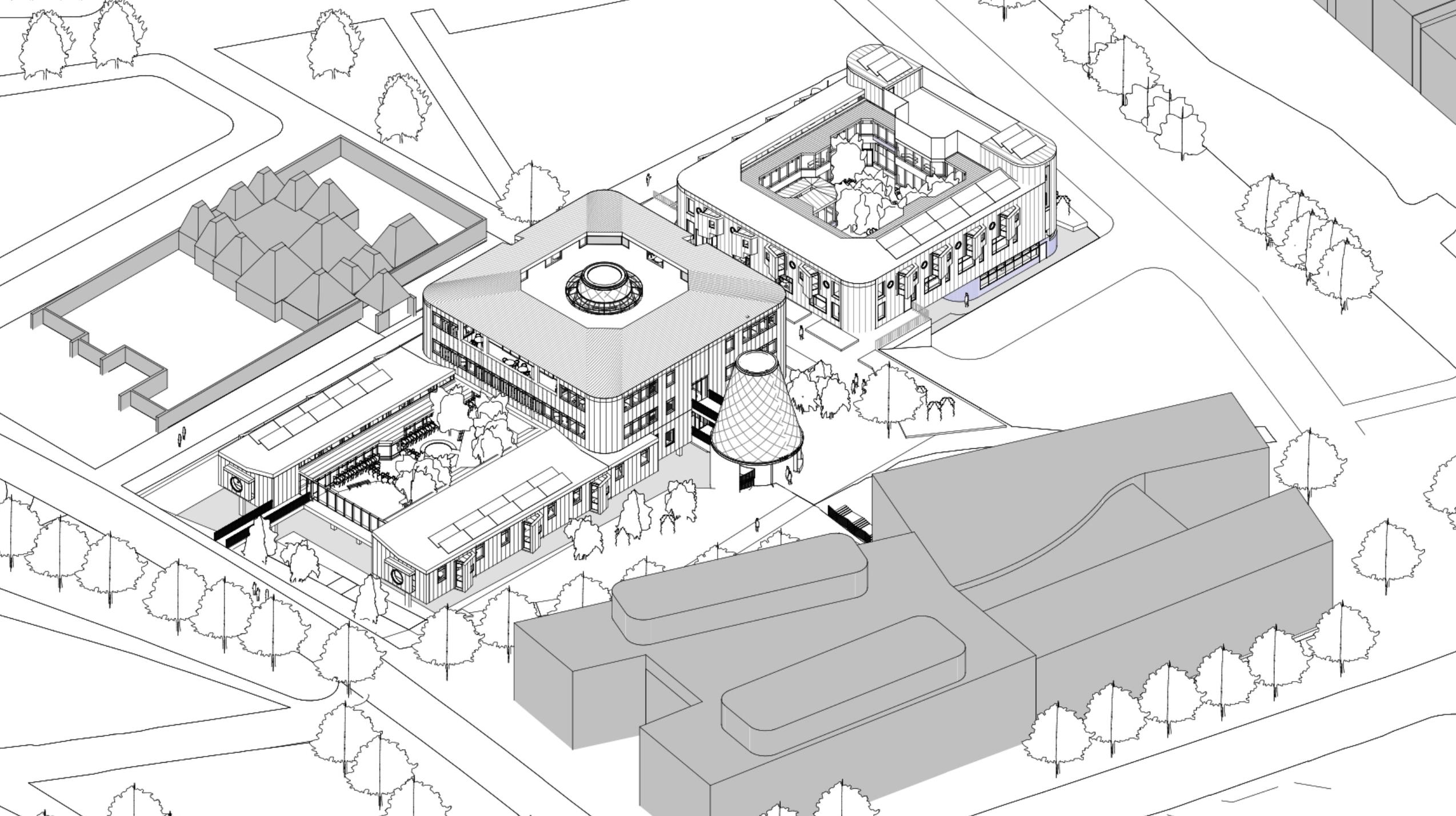


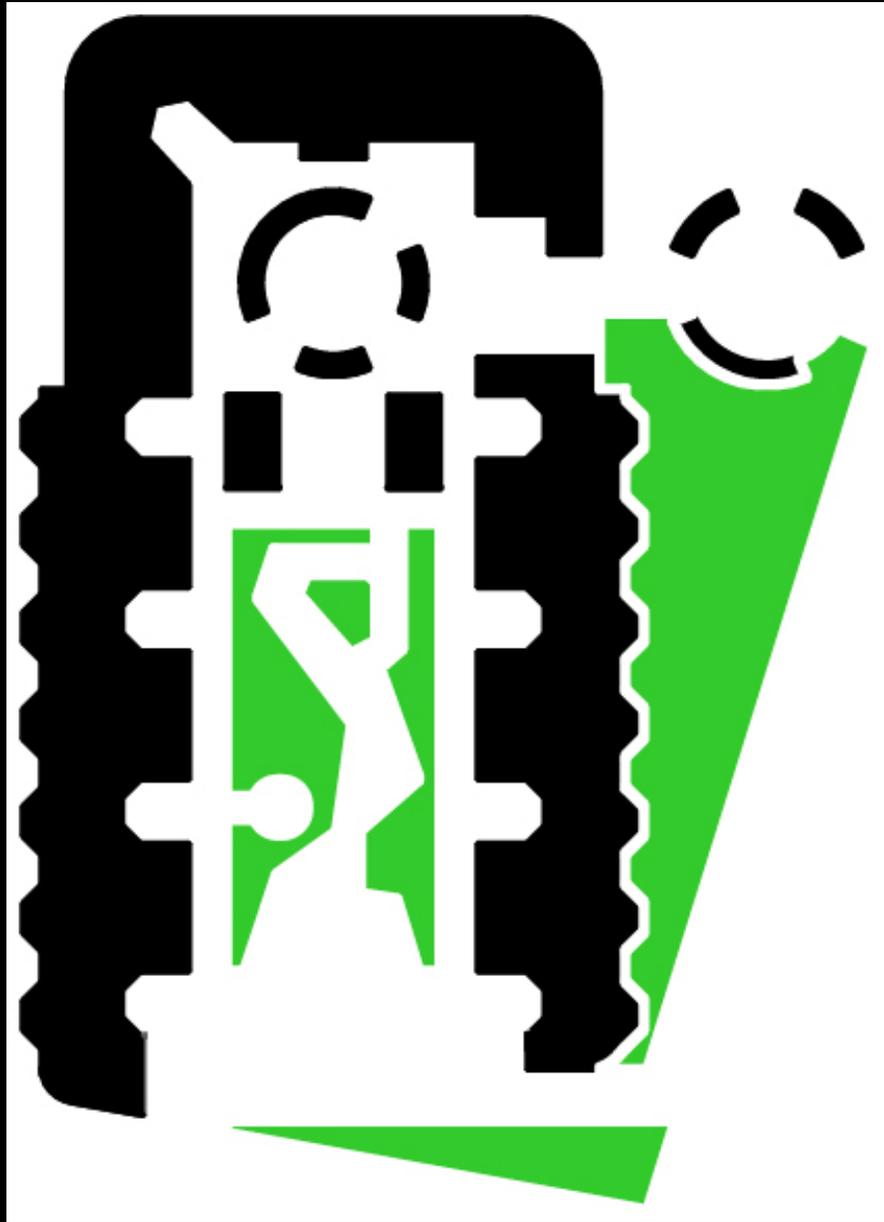


Community Cluster

Dewi Jones







Therapeutic principles

1

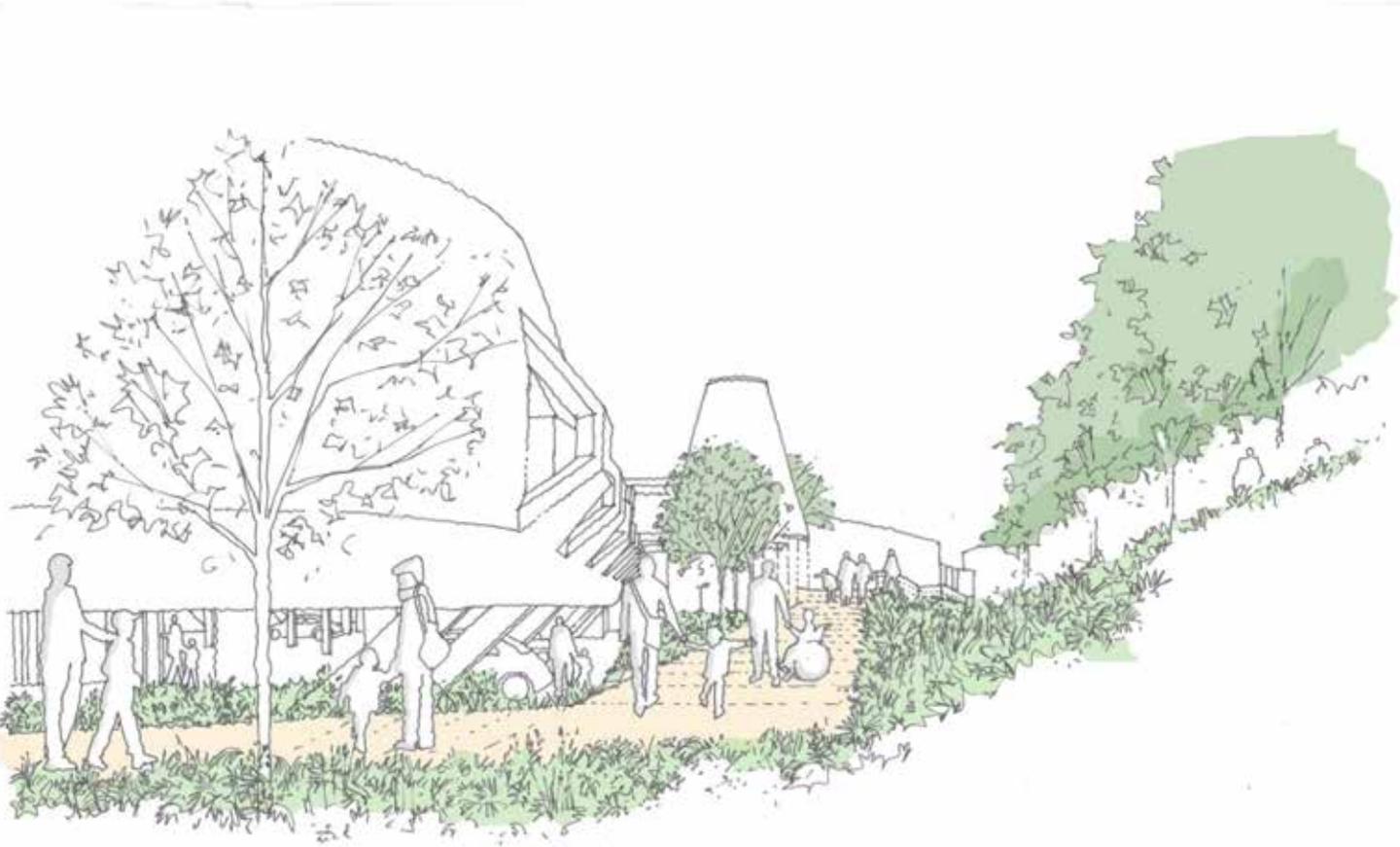
Interaction with nature

- Views to nature
- Multisensory access to nature
- Connection to nature

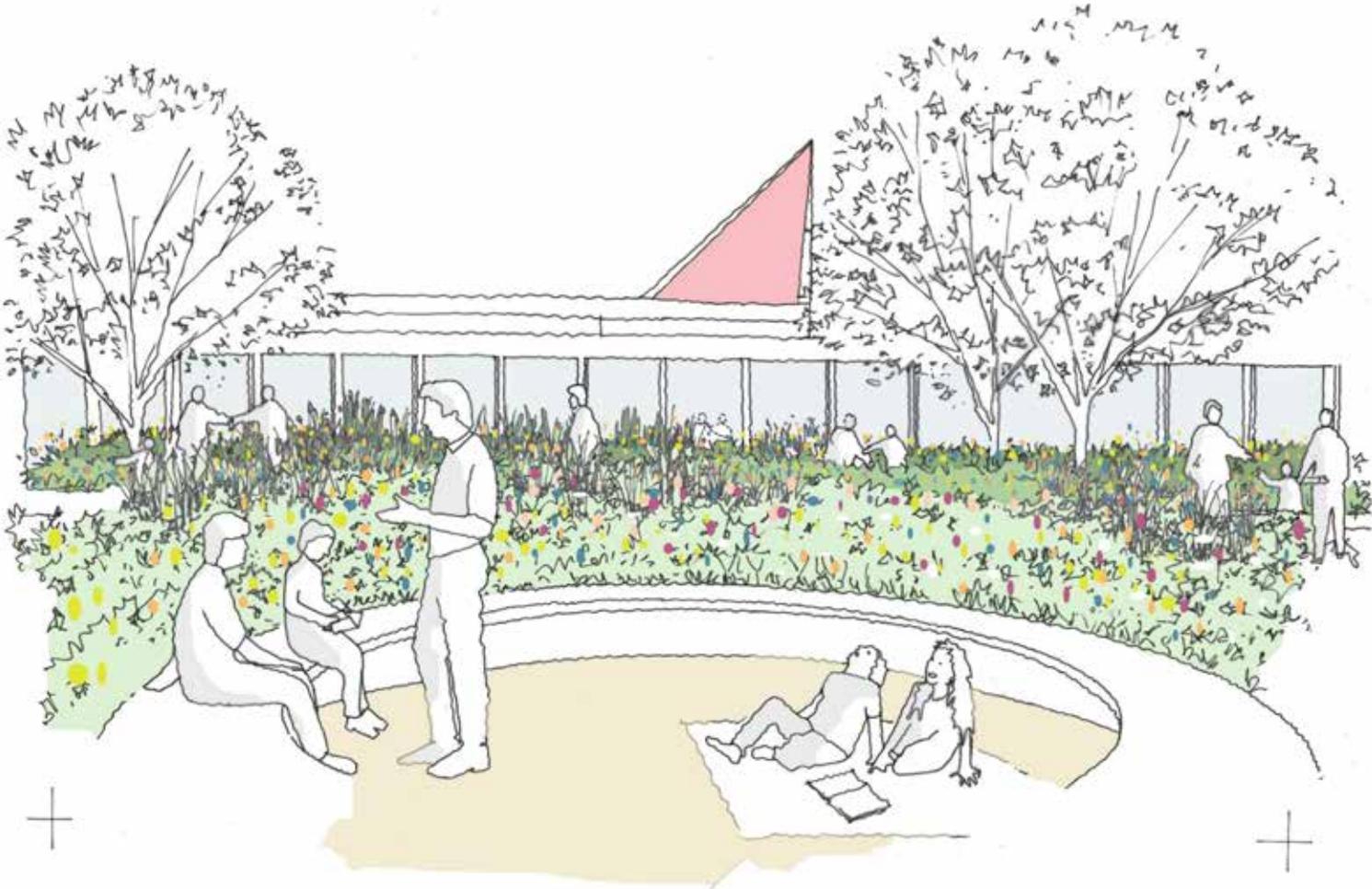
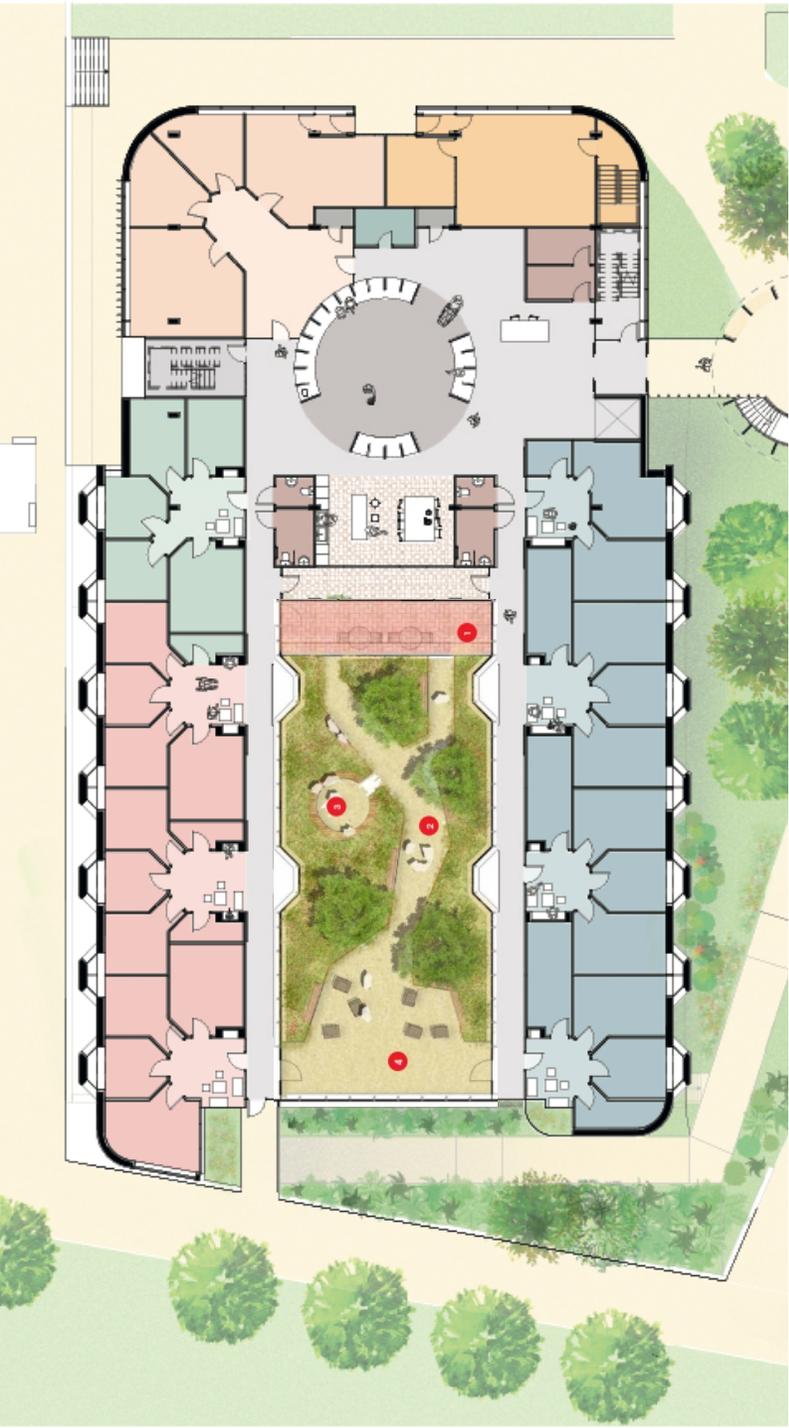
Design:

- Nature experienced from arrival
- Courtyard
- Views to park

Entrance route



Courtyard and views





Protected courtyard



Revised Dewi Jones Garden

- 1 Table tennis and seating set amongst sensory planting
- 2 Raised central trees creating enclosure
- 3 Water feature
- 4 Picnic table and chairs
- 5 Raised deck teaching space
- 6 Allotment space
- 7 Timber deck seat with storage beneath

Therapeutic principles

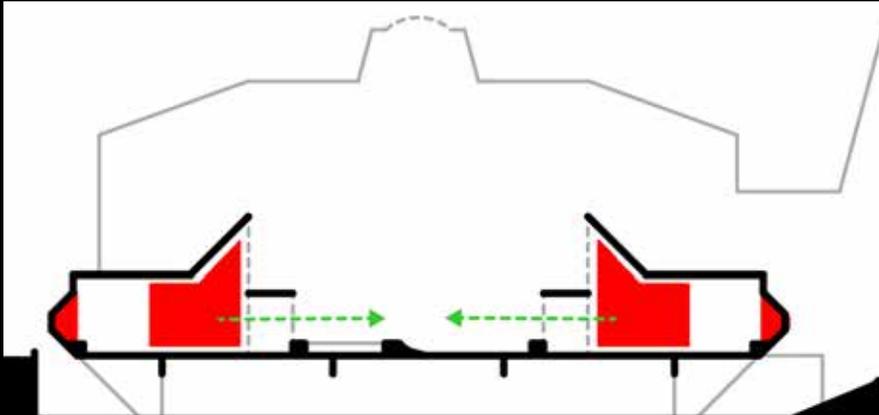
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Scale and use of space

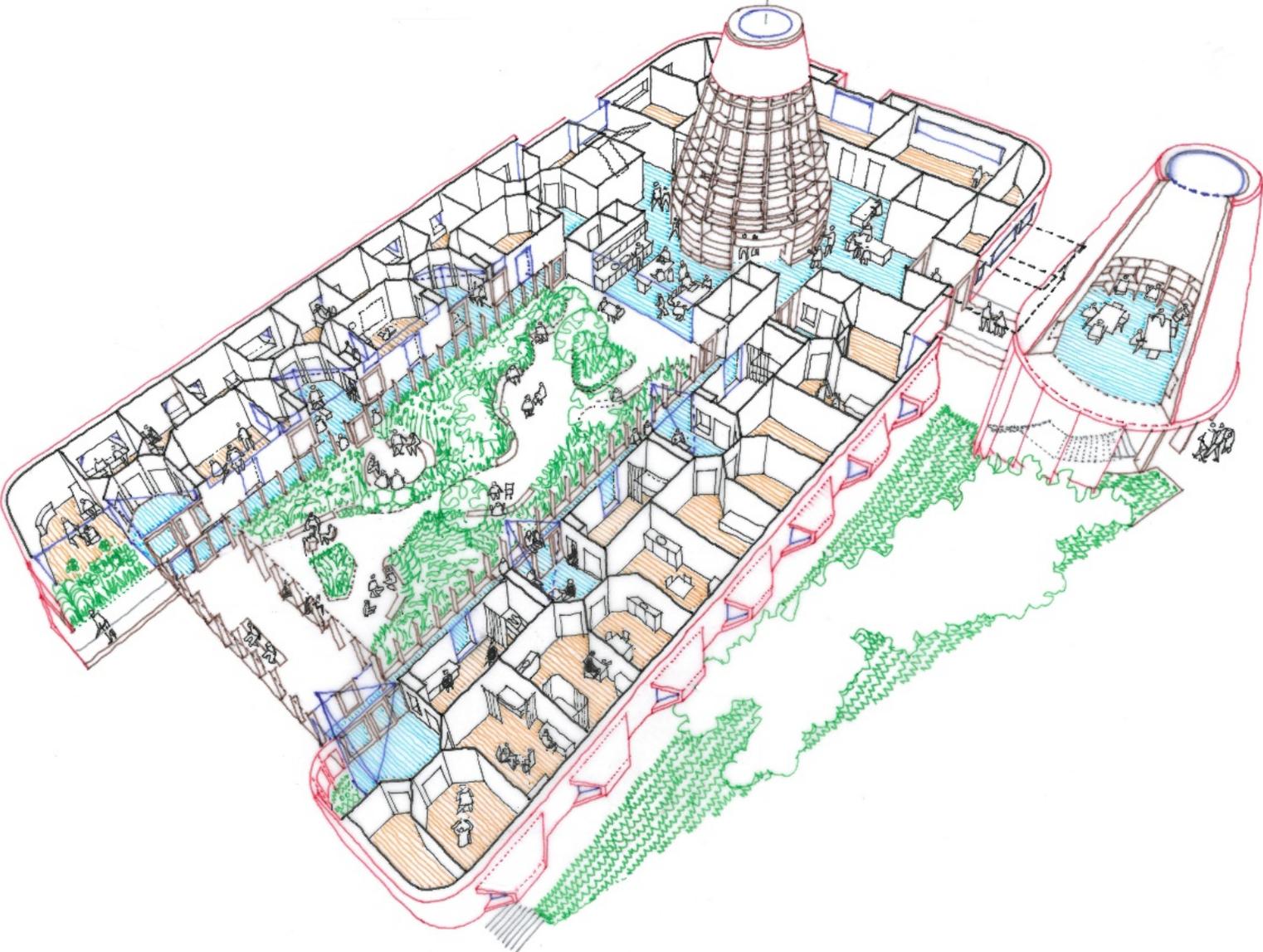
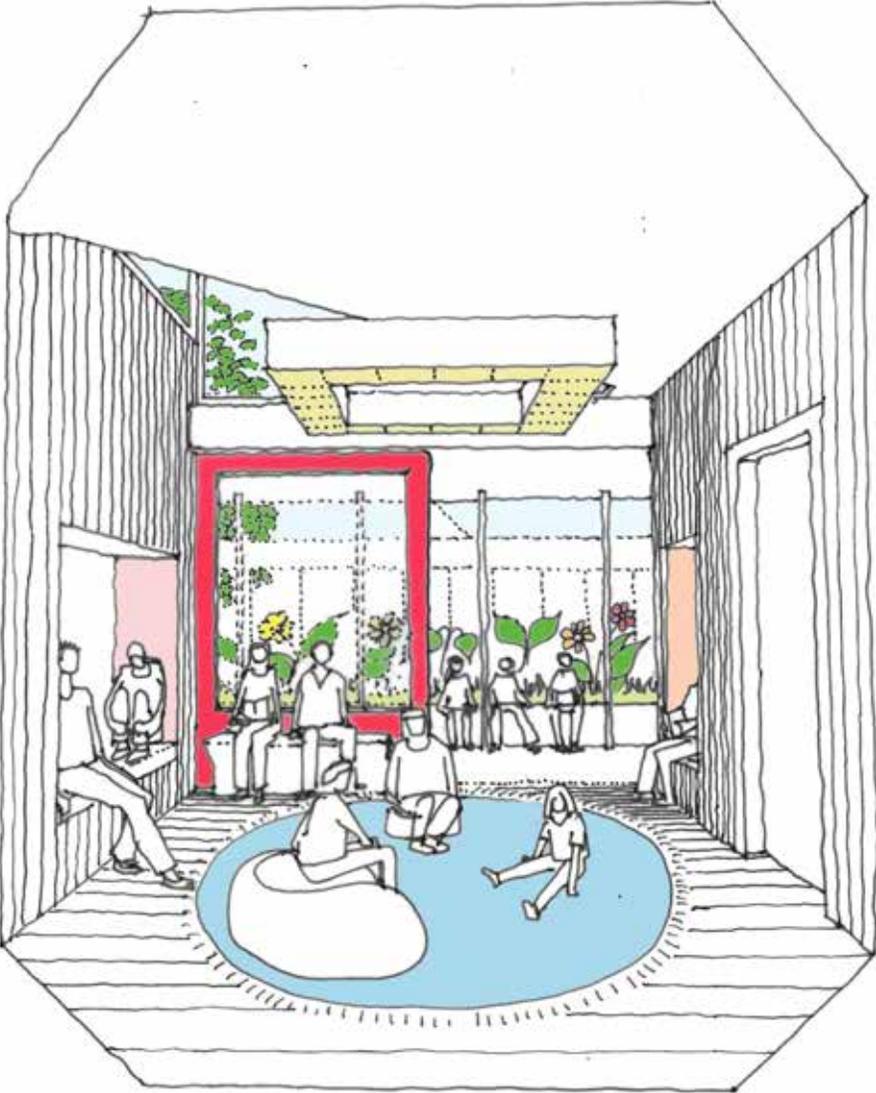
- Space for social interaction
- Space to be alone
- Space for exercise

Design:

- Large social spaces
- Smaller sub waits
- Bays and niche seats



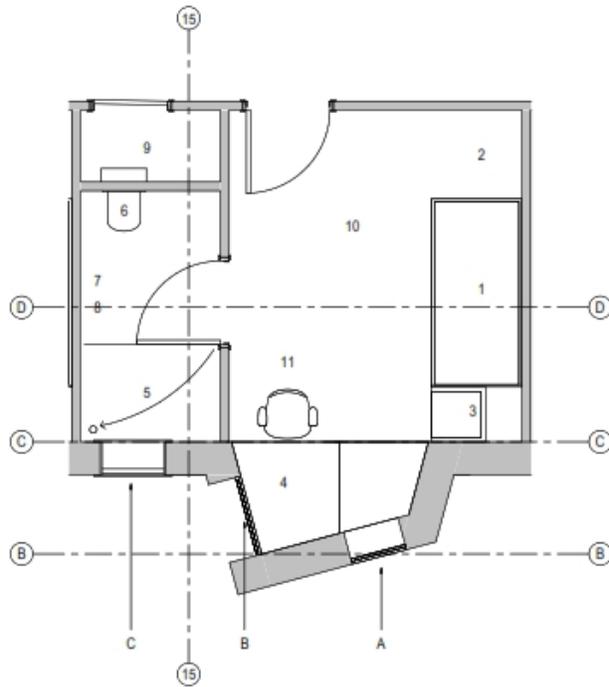
Scales of spaces



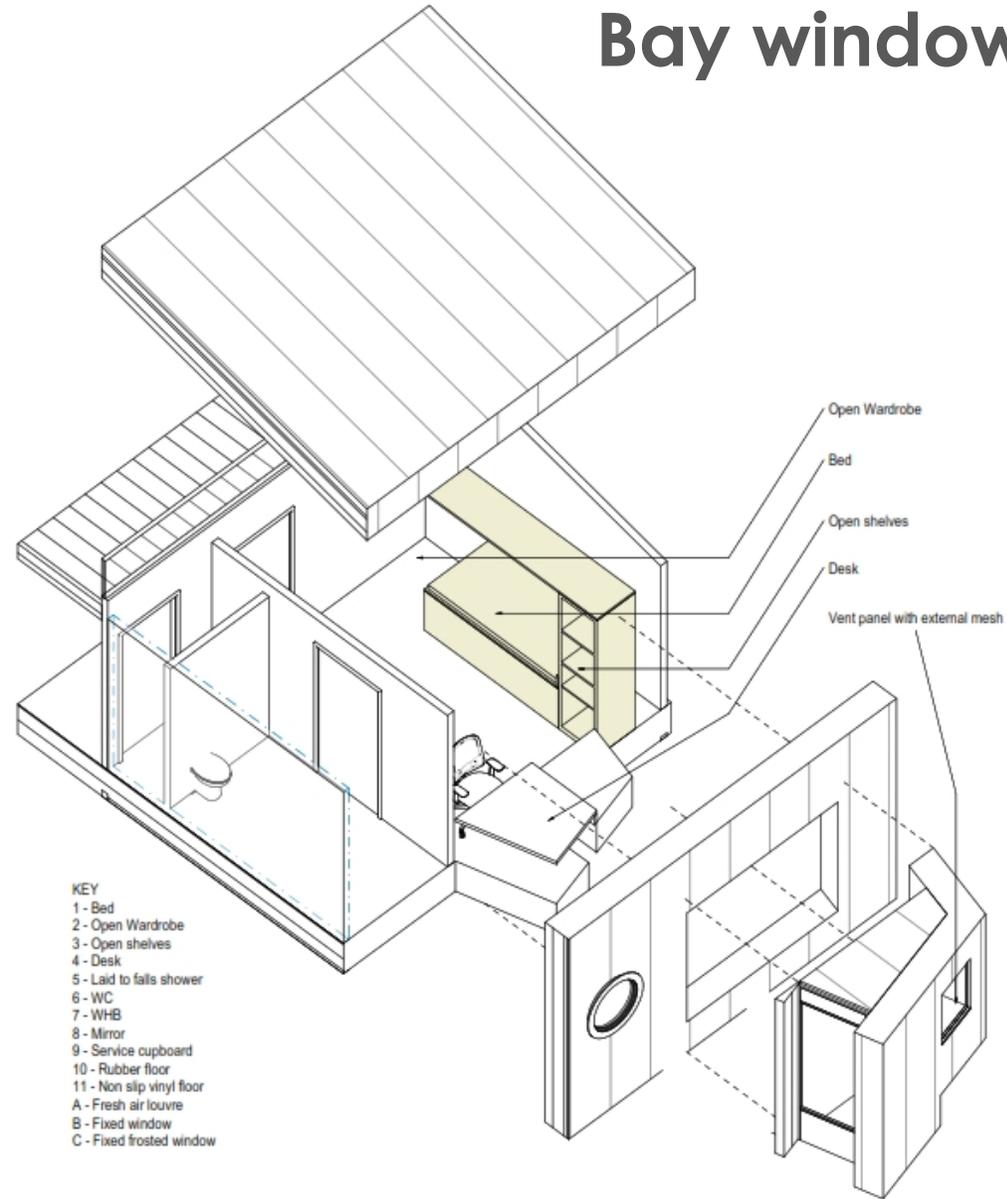


Dew Jones building - typical ventilation louvre

Bay windows



Dew Jones building - bedroom unit



- KEY
- 1 - Bed
 - 2 - Open Wardrobe
 - 3 - Open shelves
 - 4 - Desk
 - 5 - Laid to falls shower
 - 6 - WC
 - 7 - WHB
 - 8 - Mirror
 - 9 - Service cupboard
 - 10 - Rubber floor
 - 11 - Non slip vinyl floor
 - A - Fresh air louvre
 - B - Fixed window
 - C - Fixed frosted window

Dew Jones building - axonometric view

THE HIVE





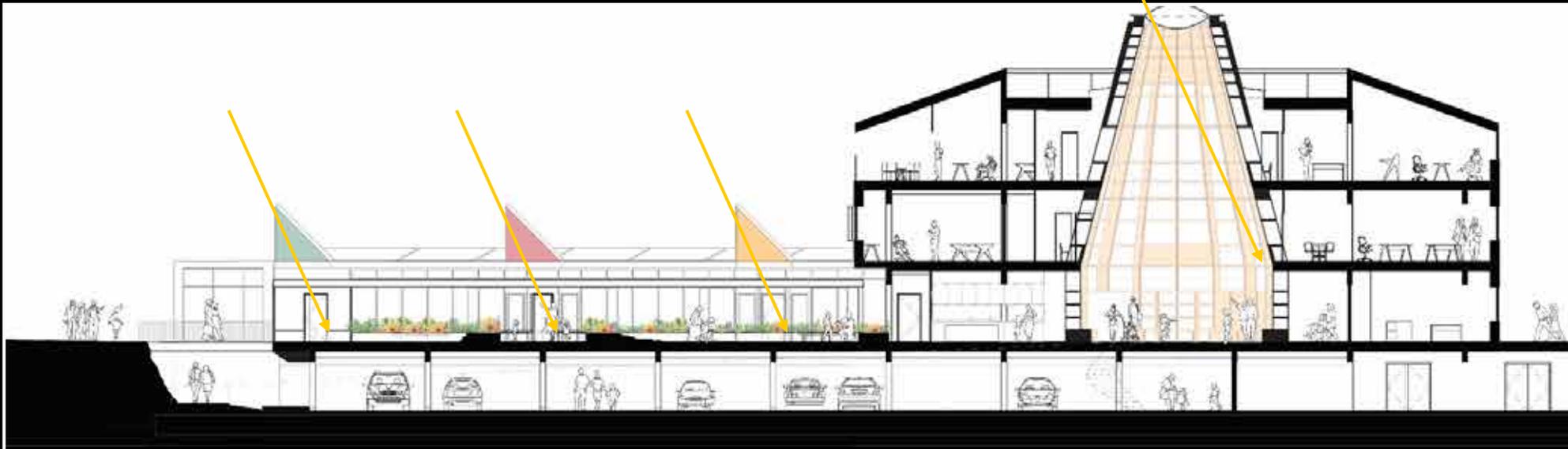


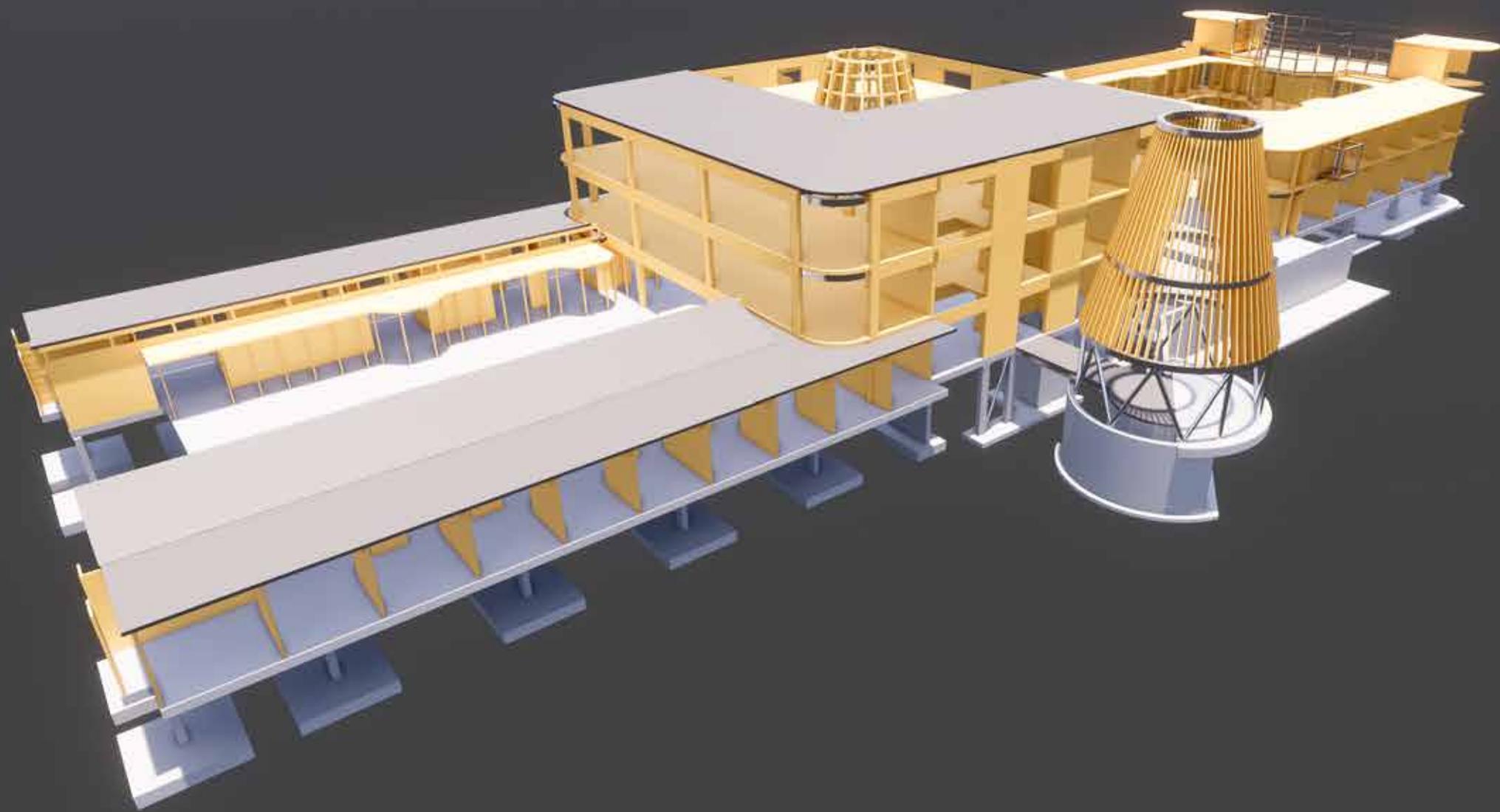
Therapeutic principles

3

Natural analogues

- Timber
- Daylight
- Connection with seasonal cycles





Daylight and natural materials



Seasonal planting

SEASONAL PLANTING ILLUSTRATION - CLUSTER PODIUM

Spring Flowers

Summer Flowers

Autumn Flowers

Ornamental Evergreen foliage

White Pine (Flowering Plants, Plans & Schedules)

turkington martin

SEASONAL PLANTING ILLUSTRATION - CLUSTER PODIUM

Plant Name	Height	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Seasonal Evergreen Mulleum roseum Prunus subhirtella Autumnalis	4.0-4.5m	Autumn Leaf											
Shrub Lavandula x intermedia Greenii	0.8-1m	AROMATIC FOLIAGE											
Lavandula intermedia ASal	0.8-1m	AROMATIC FOLIAGE											
Philadelphus 'Montezuma'	2.5-3m	WHITE FRAGRANT FLOWERS											
Ranunculus officinalis 'Tuscan Blue'	1.0-2.5m	AROMATIC FOLIAGE											
Verbena bonariensis	1.0-2.5m	PINK FLOWERS											
Allium hollandicum 'Purple Sensation'	1.0-1.5m	PINK FLOWERS											
Herbaceous Allium stipitatum 'Mount Everest'	1.1-1.5m	WHITE GLOBE FLOWERS											
Allium major	0.5-1m	WHITE FLOWERS											
Echinacea Purpurea 'White Swan'	0.5-1m	WHITE PINK FLOWERS											
Echinacea Purpurea 'Magnus'	0.5-1m	WHITE PINK FLOWERS											
Echinops alba 'Sedgwick Blue'	0.5-1m	PURPLE GLOBE FLOWERS											
Helianthus scaberrimus	0.3-2.5m	WHITE/YELLOW FLOWERS											
Rhododendron	0.5-1m	CRIMSON FLOWERS											
Salvia nemoralis 'Dorsetland'	0.8-1m	BLUE PURPLE FLOWERS											
Stachys byzantina	0.1-0.5m	TEXTURAL LEAF											
Stachys 'Spring Symphony'	0.1-0.5m	WHITE FLOWERS											
Verbena bonariensis	1.0-2.5m	PINK FLOWERS											
Verbena officinalis	1.0-2.5m	PINK FLOWERS											
Viola major	0.1-0.5m	BLUE PURPLE FLOWERS											
Grasses Anemone pulsatilla	1.1-1.5m	BRONZE FANCIER											
Carex obovata 'Frosted Curl'	0.1-0.5m	BRONZE FANCIER											
Carex 'In Dances'	0.1-0.5m	BRONZE FANCIER											
Perovskia atrorubra	0.5-1m	FLUFFY WHITE PLUMES											
Scilla maritima	0.5-1m	WHITE FANCIER											
Stipa tenuissima	0.5-1m	WHITE FANCIER											
Lotus elata	0.5-1m	WHITE FLOWERS											
Bulbs Allium schubertii Galanthus nivalis	0.5-1m	WHITE FLOWERS											

White Pine (Flowering Plants, Plans & Schedules)

turkington martin

Therapeutic principles

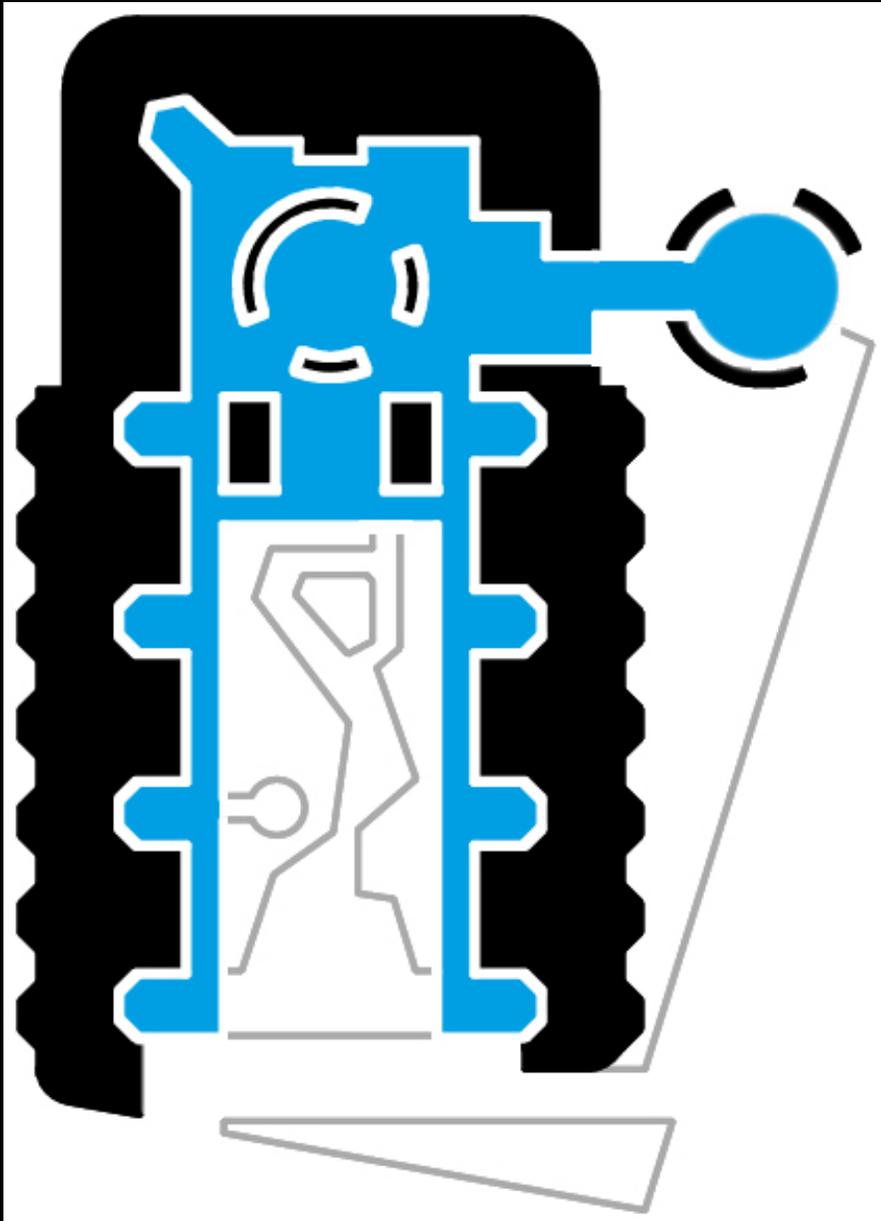
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Evolutionary principles of landscape preference

- Coherence
- Complexity
- Legibility
- Mystery

Design:

- Clear layout, repeating elements
- Layered views, richness of setting
- Distinctive engagement space
- Places to explore – entrance route, sub-waits





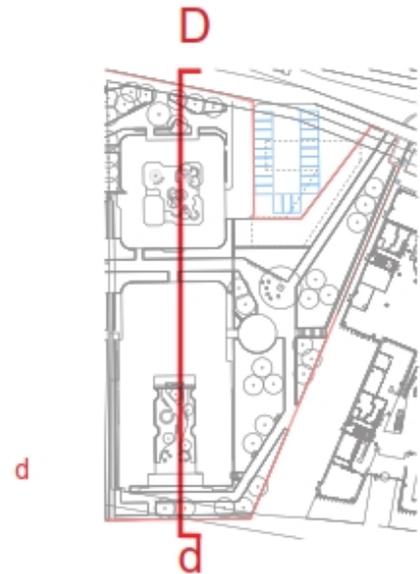
Illustrative view from the car park to the Community Cluster entrance

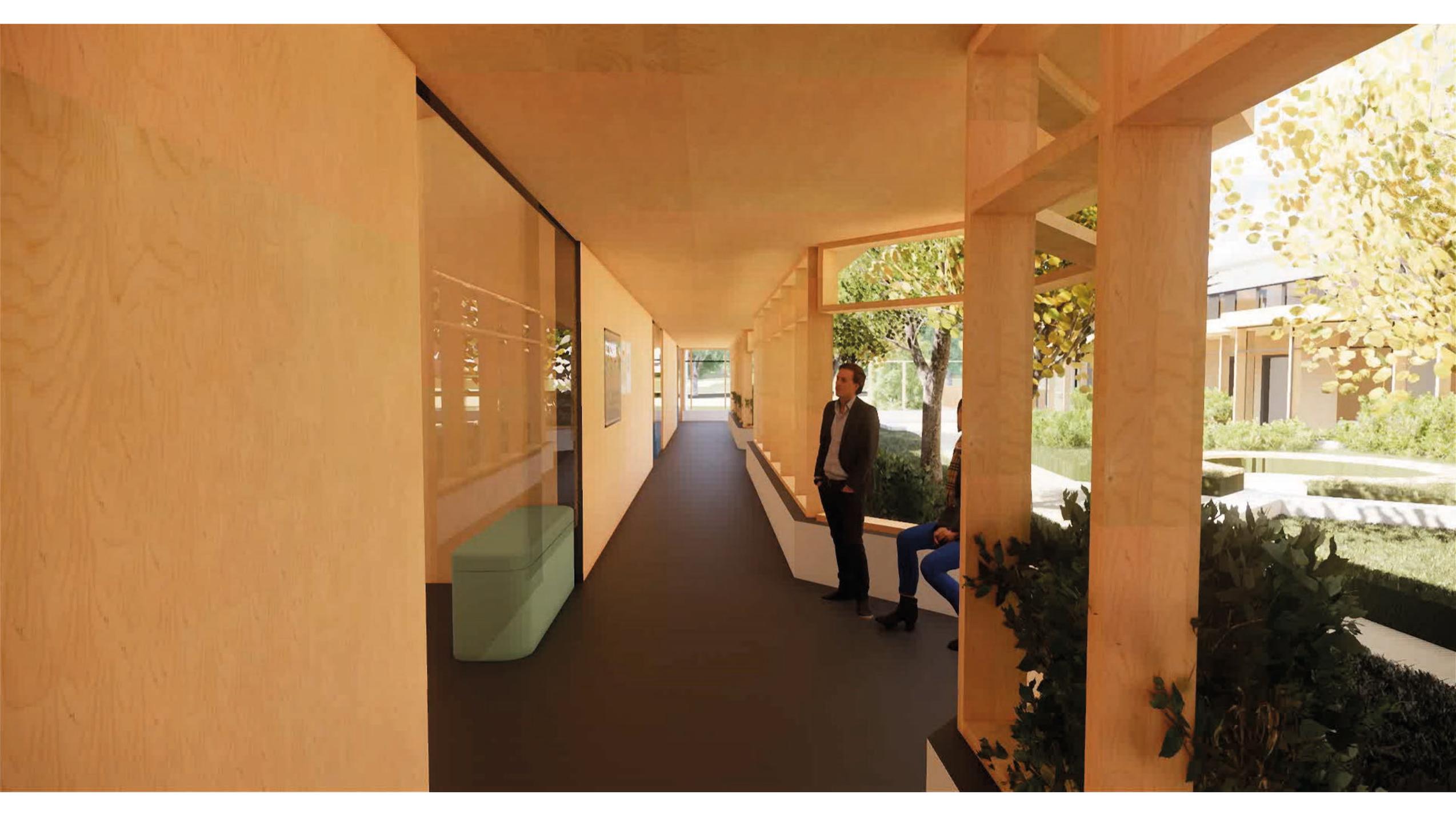


Illustrative view of looking towards the Community Cluster



Community Cluster Car park with sloping planting in elevation Ramp and planted bank









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