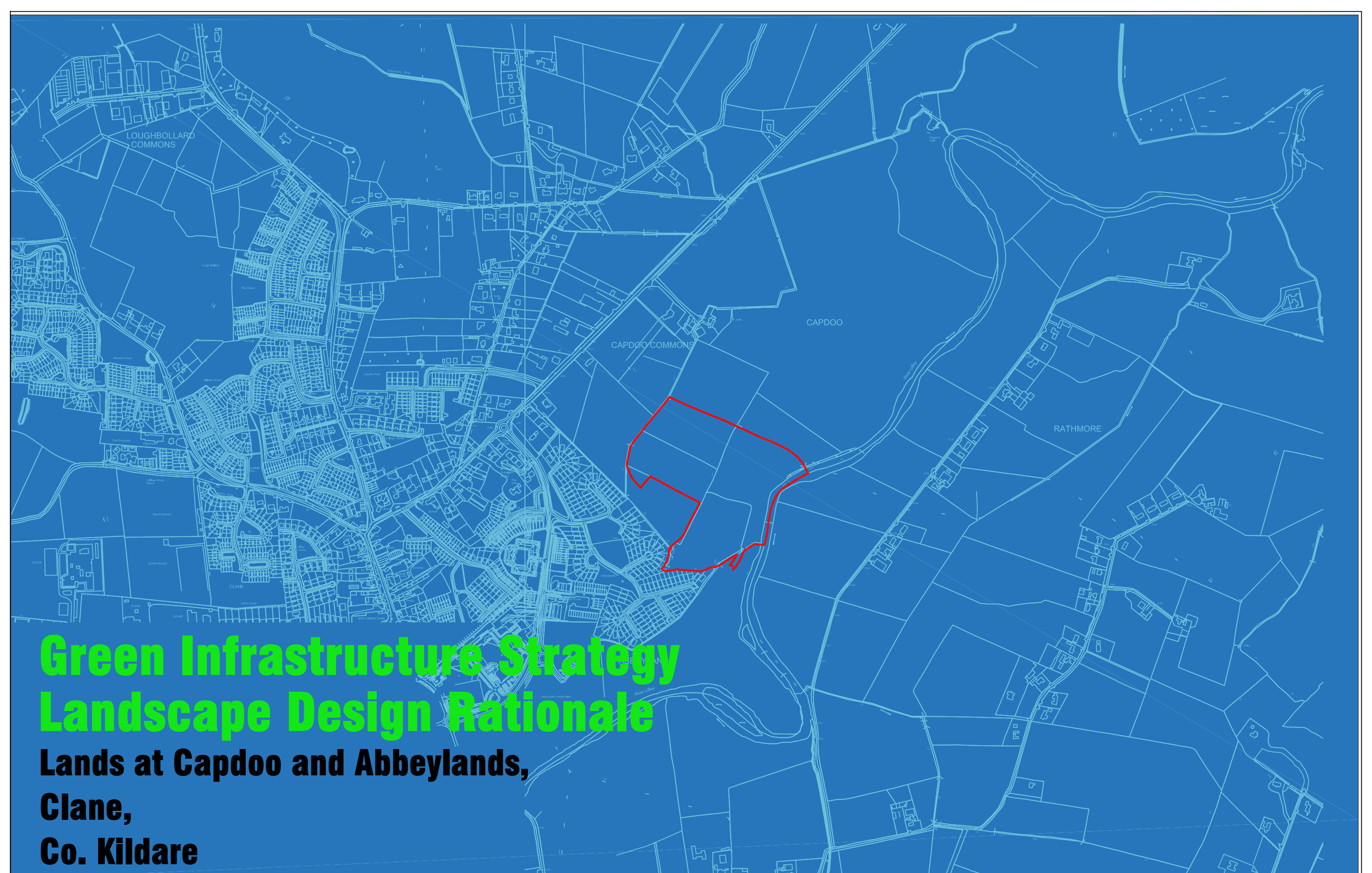




Green Infrastructure Strategy Landscape Design Rationale

Lands at Capdoo and Abbeylands, Clane, Co. Kildare

Lands at Capdoo and Abbeylands, Clane, Co. Kildare
SHD Planning - SHD 201905
Document No. P356-00



Green Infrastructure Strategy - Existing Conditions

Scale 1:2000

- Existing Vegetation to be retained
- Existing Vegetation to be removed

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Landscape Strategy

The landscape design takes cognisance of the existing landscape features and aims to provide the following:

- Integrate new built development into the existing landscape by the creation of a network of aesthetically pleasing and functional open spaces that contribute to the local biodiversity. The public open space areas are designed as landscape spaces that offer the opportunity for meeting, walking and formal and informal play. Integration of SuDS systems into the landscape design and providing strong pedestrian connectivity is central to the design strategy.
- Retain existing hedgerows where their future is sustainable. Where it is not possible to retain hedgerows mitigation planting is to be carried out utilising native trees and hedgerows within the open space areas.
- Provide future cycle and pedestrian links to the development.
- Encourage pollinator friendly species in plant selection and the incorporation of meadow areas.
- Provide active and passive open space areas for residents.
- Provide for a soft landscape treatment that complements the architectural design and is appropriate to the landscape setting.
- Develop pedestrian circulation that allows for ease of movement throughout the development open space areas.
- Incorporate new native tree and hedgerow planting appropriate to place that enhances the existing landscape character.

Pollinating Species Strategy

The National Biodiversity Data Centre has put in place The All Ireland Pollinator Plan 2015-2020 which is about providing food and shelter across all land types so that our pollinators (bees and hover flies) can survive and thrive. By protecting and enhancing these habitats its envisaged that we can create a resilient and healthy biodiversity.

In accordance with the All Ireland Pollinator Plan 2015-2020, pollinator friendly actions are proposed within this landscape scheme in order to make the site more pollinator friendly.

Pollinator Action: Reduce Mowing.

It is proposed to create zones within the site of the proposed development whereby reducing the frequency of mowing allows wildflowers to flower among the longer grasses.

Pollinator Action: Pollinating Friendly Planting.

It is proposed to plant species that ensure flowers blooming throughout March to October. Native species are prioritised in order to provide food for pollinators.



Hedgerow Protection - BS 5837:2005 Trees in Relation to Construction

All hedgerow protection works are to be in accordance with BS 5837:2005 and approved by consulting landscape architect.

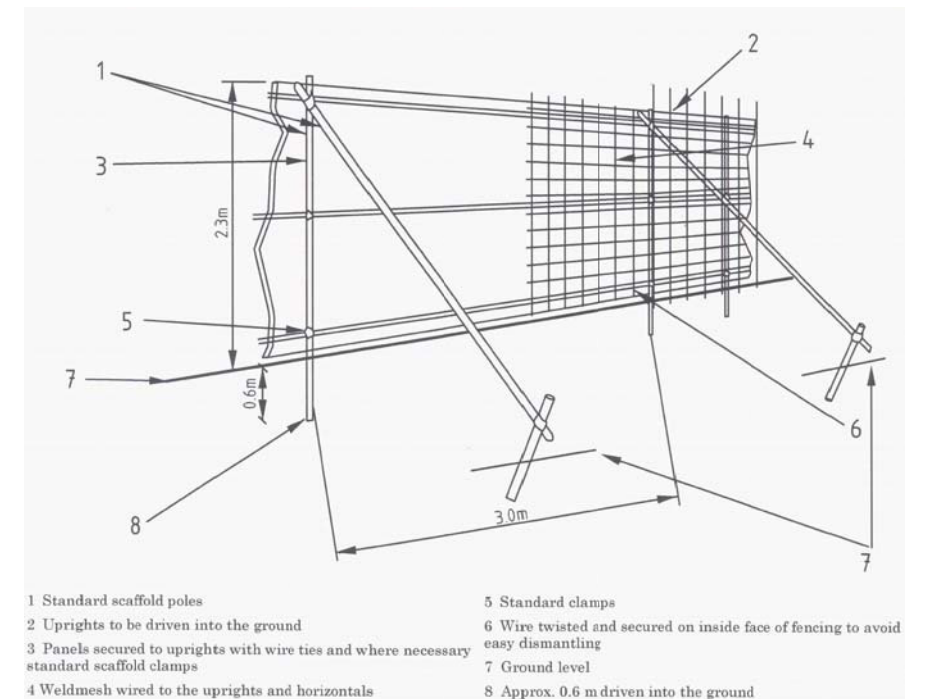
All hedgerows to be retained on site are to be protected by effective fencing defining the Construction Exclusion Zone (CEZ). The fencing excludes construction activities from the Root Protection area (RPA) which contains sufficient rooting volume to ensure survival of the tree.

Fencing is to be installed before any materials or machinery are brought onto the site and before any demolition or development, including erection of site huts, commences. Remedial works to those hedgerows to be retained should be undertaken, prior to erection of protective fencing.

Once erected, fencing and ground protection are to be regarded as sacrosanct and should not be removed or altered without the prior consultation with the consulting landscape architect.

Protective fencing should consist of a scaffold framework in accordance with Figure No. 1 comprising a vertical and horizontal framework, well braced to resist impacts, with vertical tubes spaced at a maximum interval of 3.0m. Onto this weld mesh panels of 2m high shuttering board should be securely fixed with wire or scaffold clamps.

Notices should be erected on the fence indicating 'Protected Area - Keep Out' or 'No Operations past this Point.'





Green Infrastructure Strategy - Existing Conditions

Scale 1:2,000

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Green Infrastructure Strategy

Scale 1:2000

 Biodiversity / Ecological Connections
 Hedgerow Ecology Connections

 Permeable Paving - surface runoff storage
 Attenuation -SuDS

 Public Open Space
 Private Open Space

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Landscape Strategy - Open Space Hierarchy

Scale 1:2000

- Primary Open Space
- Secondary Open Space
- Tertiary Open Space
- Existing Vegetation to be retained



Open Space Hierarchy

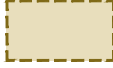
Scale 1:2000

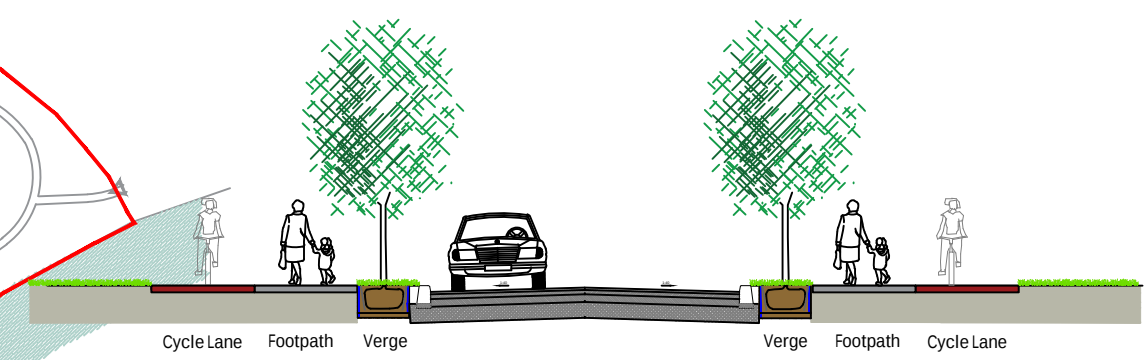
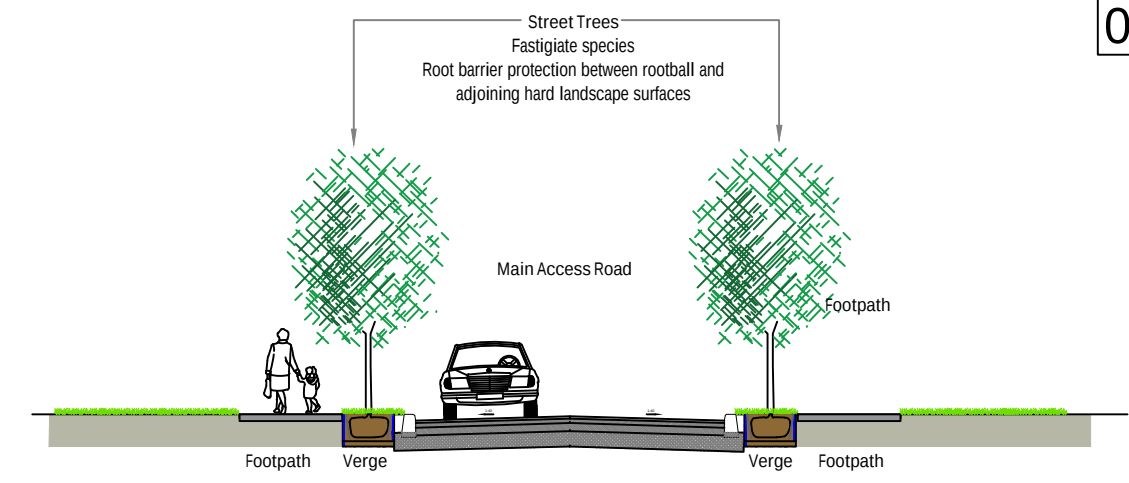
- | | | | | |
|---|--|---|--|--|
|  Public Open Space |  Communal Open Space |  Nature Based Play Space |  Pedestrian Circulation |  Possible Future Pedestrian Connections |
|  Fitness Trail |  Cycle Path / Circulation | | | |



Landscape Strategy - Landscape Typologies

Scale 1:2000

	Linear Park		Communal Space		Streetscape
	Village Green		Parklets		Homezone



Streetscape - Main Access Roads
Scale 1:150



Root Protection
Root barrier to be installed where trees are located adjacent services and hard landscapes.





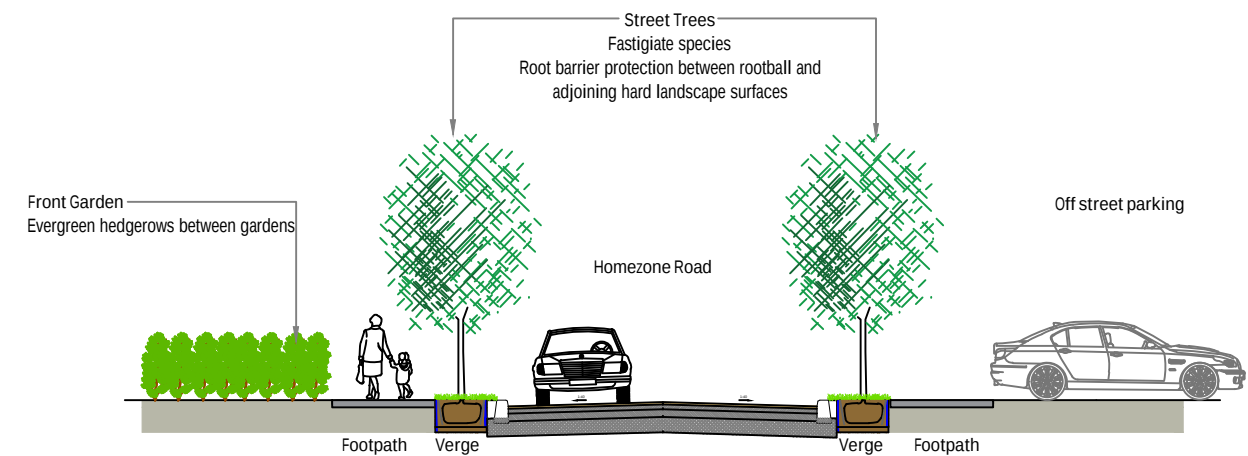
Front Garden Boundary
Evergreen hedgerows



Street Trees
Fastigate species
Root barrier protection between rootball and adjoining hard landscape surfaces



Homezone Surface
Buff tarmacadam surface



Streetscape - Homezone
Scale 1:150





Fitness Trail
Fitness equipment is located along the pedestrian circulatory system within the development which is suitable for all ages and abilities.



Existing vegetation along the river banks comprises stands of Alder at close planting densities, which it is proposed to retain.

Localised ground modelling creating a slightly undulating landscape.

It is proposed to promote nature based play, utilising low level meandering grassy mounds located either side of the path with a selection of Robinia wood play items on a Safa Grass surface. This sprawling cluster arrangement allows children to play safely individually or in groups.

Areas away from regular mowing regimes are to be left develop as natural wild grass areas into which wildflowers will establish.

Existing hedgerow and associated trees to be retained.



Landscape Strategy - Landscape Typologies

Scale 1:2000



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Open green areas with characterised by cluster of trees and bulb planting and meadow areas.

Landscape Strategy - Landscape Typologies

Scale 1:2000

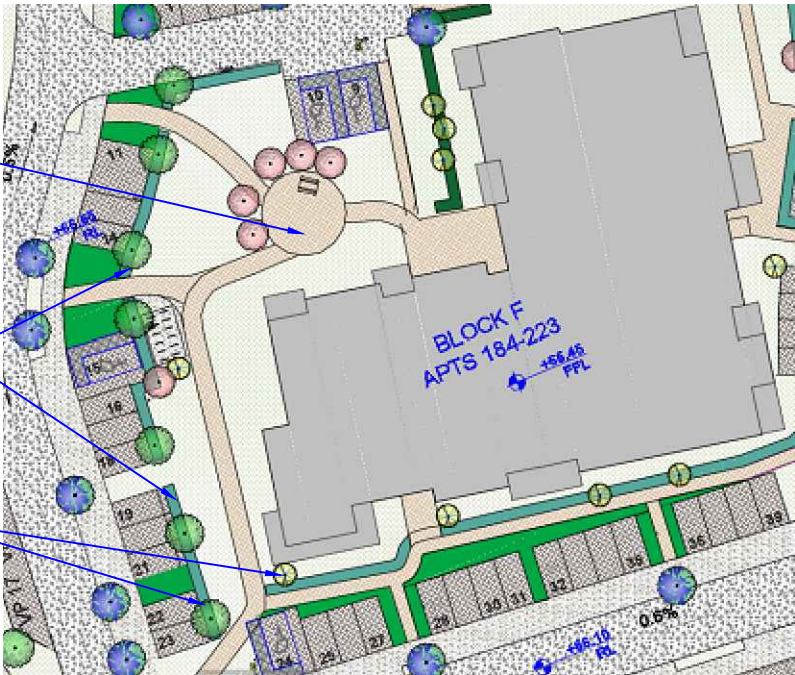
Village Green



Pedestrian paths traverse the site and converge on a seating/gathering space.

Evergreen hedgerows to the edge of the space define the amenity space and create a buffer to parking.

Hedgerow planting is augmented by tree planting native species where appropriate.



Landscape Plan extract - Apartment Block B Open Space

+ 64.8

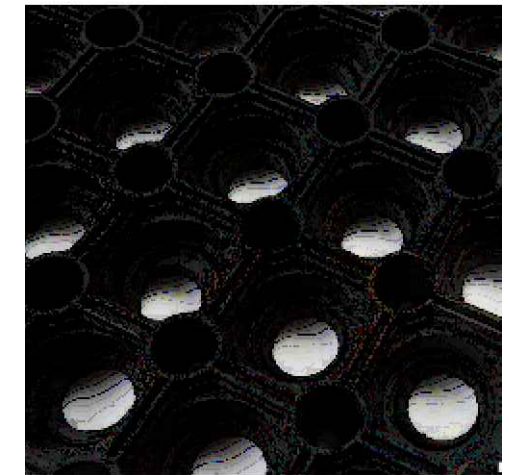
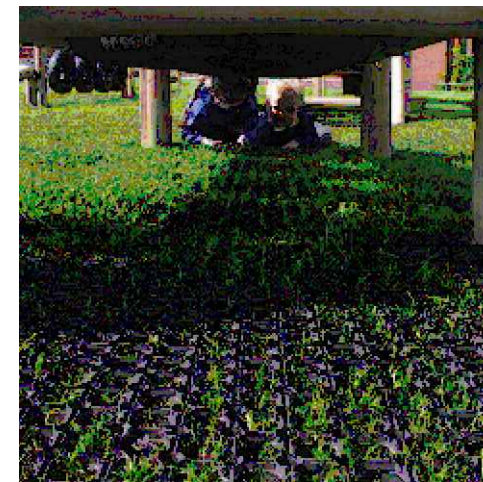
Landscape Strategy - Landscape Typologies

Scale 1:2000

Communal Space



In areas furthest away from the linear park it is proposed to provide nature base play within the open space areas, utilising low level meandering grassy mounds located along a path with a selection of Robinia wood play items on a Safa Grass surface. This sprawling cluster arrangement allows children to play safely individually or in groups.



Landscape Strategy - Landscape Typologies

Scale 1:2000



Parklets



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