1 Gateway Landscaping

Objectives

- The creation of landscaped gateways at strategic positions within the development using hard and soft landscape elements; and
- The use of enhanced planting stock to achieve an instant impact.

Typical Tree Species

Species	Common Name	Supply Height (cm)	Girth (cm)
Acer platanoides 'Emerald Queen'	Norway Maple	350-425	18-20
Liquidambar styraciflua	Sweet Gum	350-425	18-20

Typical Hedge and Shrub Species

Species	Common Name	Supply Height (cm)
HEDGING		
Prunus lusitanica	Portugese laurel	120-140
Taxus baccata	Yew	120-140
ORNAMENTAL PLANTING		
Berberis thunbergii 'Atropurpurea Nana'	Berberis	40-60
Cholsya ternata 'Sundance'	Mexican Orange Blossom	40-60
Cornus alba 'Kesselringii'	Dogwood	60-80
Hebe 'Emerald Globe'	Hebe	30-40

7 North-Western Open Space

Objectives

- The existing woodland and grassland meadow will be retained;
- The existing bund and associated vegetation will be retained and supplemented with new native woodland planting to act as a visual barrier between the development and residential area to the north; and
- The retention of the existing public footpath and mature beech hedgerow and the creation of a new connection between the development and the existing residential area along Fen End Lane.

6 SuDS Features

Objectives

- Integrate site-wide sustainable drainage system (SuDS) to manage stormwater and provide landscape features that contribute to the biodiversity of the site;
- Include planting of wetland trees and thicket to create visual interest;
- Wildflower seeded sides of basin with wetland meadow mix to increase biodiversity value and stabilise slopes;
- Plant marginal shelves with native marginal aquatics with areas left to colonise naturally; and
- Create shallow depressions with permanently wet areas to increase biodiversity of the basins.

Typical Wetland Trees

Species	Common Name	Supply Height (cm)	Girth (cm)
Alnus glutinosa	Alder	175-200	feathered
Betula pubescens	Downy Birch	175-200	feathered
Quercus robur	Oak	300-350	10-12
Populus tremula	Aspen	300-350	10-12
Salix alba	White Willow	175-200	feathered
Tilia cordata	Small-leaved Lime	300-350	10-12

Typical Wetland Thicket

Species	Common Name	Supply Height (cm)	Mix %
Corylus avellana	Hazel	60-80	20
Cornus sanguinea	Dogwood	60-80	20
Salix caprea	Goat Willow	60-80	10
Salix cinerea	Grey Willow	60-80	10
Salix purpurea	Purple Willow	60-80	10
Salix viminalis	Osier	60-80	10

Typical Marginal Aquatic Planting

Species	Common Name	Form
Alisma plantago-aquatica	Water Plantain	CG 0.5L
Caltha palustris	Marsh Marigold	CG 0.5L
Iris pseudacorus	Yellow Flag Iris	CG 0.5L
Juncus effusus	Soft Rush	CG 0.5L
Mentha aquatica	Water Mint	CG 0.5L

Typical Wildflower Meadow Establishment - Sown in Mixes such as:

Wetland Meadow Mix, such as mix EM8 by Emorsgate; and

Standard General Purpose Mix, such as mix EM2 by Emorsgate.

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5 Southern Boundary

Objectives

- Create a robust landscape buffer (7-8m) facilitating visibility of the proposed buildings, the density and screening value of which will be dependant upon the end usage of the buildings.

Typical Tree Species *(density of planting dependant upon adjacent building usage)*

Species	Common Name	Supply Height (cm)	Girth (cm)
Betula pendula	Silver Birch	350-425	12-14
Carpinus betulus	Hornbeam	350-425	12-14
Prunus avium	Cherry	350-425	12-14
Sorbus aucuparia	Rowan	350-425	12-14

Typical Structural Shrubs *(density of planting dependant upon adjacent building usage)*

Species	Common Name	Supply Height (cm)	Form
Cornus sanguinea	Dogwood	40-60	CG, 2L
Corylus avellana	Hazel	40-60	BR
Ilex aquifolium	Holly	60-80	CG, 3L
Rosa canina	Dog Rose	40-60	BR
Viburnum opulus	Guelder Rose	20-30	CG, 2L

SECTION B-BB - Typical Section Through Southern Boundary
1:250 @ A0

SECTION A-AA - Typical Section Through Internal Access Road
1:250 @ A0

SECTION C-CC - Typical Section Through Gateway Wetland Area
1:250 @ A0

LEGEND

- Application Boundary
- Existing Vegetation Group to be Retained
- Existing Tree to be Retained

PROPOSED

- Large Stock Sized Tree Planting
- Standard Tree Planting
- Feathered Tree Planting
- Woodland Planting
- Buffer Planting
- Native Thicket Planting
- Ornamental Shrub Planting
- Native Hedgerow Planting
- Amenity Grass
- Long Grassland Meadow
- Wildflower Meadow
- Wet Wildflower Meadow
- Detention Basin
- Marginal Planting
- Reedbed Planting
- Permanently Wet Pond
- Swale

2 Internal Access Roads

Objectives

- Establish lines of trees to create strong landscape features;
- Open character to the road with grass verges featuring shallow, predominantly dry under-drained swales; and
- Buffer planting to the eastern boundary provides visual containment and a strong development edge.

Typical Street Trees

Species	Common Name	Supply Height (cm)	Girth (cm)
Pyrus calleryana 'Chanticleer'	Ornamental Pear	350-425	18-20
Carpinus betulus 'Frans Frontaine'	Hornbeam	350-425	18-20
Tilia cordata 'Greenspire'	Small Leaved Lime	350-425	18-20

3 Northern Boundary Planting

Objectives

- To create a robustly vegetated structured landscape buffer (minimum 10m) edge to the development, using predominantly native planting, to create a visual screen with countryside character; and
- Where not forming part of a SuDS feature, native thicket, tree planting in small groups and wildflower meadows will be established on the adjacent land which will increase the biodiversity value.

Typical Woodland Mix

Species	Common Name	Supply Height (cm)	Form	% Mix
HIGH CANOPY				
Quercus robur	English Oak	125-150	BR	20
Tilia cordata	Small-leaved Lime	125-150	BR	15
SECONDARY CANOPY				
Betula pendula	Silver Birch	125-150	BR	10
Carpinus betulus	Hornbeam	125-150	BR	10
Sorbus aucuparia	Rowan	125-150	BR	10
UNDERSTORY				
Crataegus monogyna	Hawthorn	60-80	BR	20
Ilex aquifolium	Holly	60-80	CG, 3L	15

Typical Informal Trees

Species	Common Name	Supply Height (cm)	Girth (cm)
Acer rubrum	Maple	300-350	14-16
Castanea sativa	Sweet Chestnut	300-350	10-12
Fagus sylvatica	Beech	300-350	10-12
Quercus robur	Oak	300-350	10-12
Prunus avium 'Plena'	Cherry	300-350	10-12
Tilia platyphyllos	Lime	300-350	14-16

Typical Wildflower Meadow Establishment - Sown in Mixes such as:

Standard General Purpose Mix, such as mix EM2 by Emorsgate.

4 Gateway Wetland Areas

Objectives

- To establish a gateway landscape feature to both the proposed development and Spalding on either side of the B1173;
- The creation of a mosaic of wetland and marginal habitat types to enrich the biodiversity of the local area. Specifically:
  - Ponds incorporating marginal shelves and a fountain within the southernmost pond;
  - Native tree planting in small groups;
  - Structural wetland native thicket planting;
  - The establishment of wildflower meadows suitable to the specific conditions of the Site maintained using variable cutting regimes to provide habitats for a variety of fauna;
  - Small gravel beach areas;
  - Marginal planting of indigenous species; and
  - Establishment of reed beds;
- Provide the opportunity for public art or sculpture.

Typical Wetland Trees

Species	Common Name	Supply Height (cm)	Girth (cm)
Betula pubescens	Downy Birch	175-200	feathered
Quercus robur	Oak	300-350	10-12
Salix alba	White Willow	175-200	feathered
Tilia cordata	Small-leaved Lime	300-350	10-12

Typical Wetland Thicket

Species	Common Name	Supply Height (cm)	Mix %
Corylus avellana	Hazel	60-80	20
Cornus sanguinea	Dogwood	60-80	20
Salix caprea	Goat Willow	60-80	10
Salix cinerea	Grey Willow	60-80	10
Salix purpurea	Purple Willow	60-80	10
Salix viminalis	Osier	60-80	10

Typical Marginal Aquatic Planting

Species	Common Name	Form
Alisma plantago-aquatica	Water Plantain	CG 0.5L
Caltha palustris	Marsh Marigold	CG 0.5L
Carex Riparia	Greater Pond Sedge	CG 1L
Lythrum salicaria	Purple Loosestrife	CG 0.5L
Iris pseudacorus	Yellow Flag Iris	CG 0.5L
Juncus effusus	Soft Rush	CG 0.5L
Mentha aquatica	Water Mint	CG 0.5L
Typha minima	Dwarf Bullrush	CG 0.5L

Typical Wildflower Meadow Establishment - Sown in Mixes such as:

Wetland Meadow Mix, such as mix EM8 by Emorsgate; and

Standard General Purpose Mix, such as mix EM2 by Emorsgate.

Revision	Date	By	Description

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