KEY:

- Rain Garden Planting Mix
- Ornamental Planting Mix
- Wetland Meadow Mix
- Amenity Grass / Lawn
- Accent Planting (Ornamental Grasses)
- Specimen Tree Planting
- Native Hedgerow Mix
- Permeable Block Paving
- Permeable Flag Paving
- Gravel
- Reinforced Grass Paving
- Resin-bound Gravel
- Access Doors
- Man Hole Covers



PLANTING NOTES :

1.1 Prior to Planting :
- All containerised plants to be watered in the container prior to planting.
- All bare root plants to be lifted from the nursery, stored and transported in accordance with the HTA Planting Handling Code.
- No planting should occur when the ground is frozen or water logged.
- All planting areas to be bare ground free of grass, weeds and other vegetation.
- Planting areas to have a 450mm depth of topsoil (topsoil to BS 3882: 2007). Before applying topsoil, remove all debris and contaminants, lightly cultivate the surface depth of approx 300mm to loosen soil and create a 'key' for the new topsoil, or to break up compacted topsoil.

1.2 Planting Guidance :
- New tree planting in grass areas to be in a 0.5m diameter, weed free circle
- All whip/shrub planting is to be planted in to a weed free bed a minimum 250mm wider than the planting area, plants to be set 100mm back from any fence or wall.
- Planting pits to be dug to a depth of 1000mm for trees and 300mm for shrub planting. The sides of the pit to be loosened so as to avoid no smoothing of sides.
- All bare root whips to have Tubex (or equivalent) Combitube Standard Tree Shelter 750mm high x 73mm Ø fitted to a 25x25x900mm timber stake, as per manufacturers recommendations.
- All bare root shrub whips to have Tubex (or equivalent) Shelter guard shrub shelter 60cm x 130-160mm Ø fitted to a 25x25x900mm timber stake, as per manufacturers recommendations.
- All standard trees to be staked and with spiral guard.

1.2.1 Planting Mixes :
- All hedge whip planting to be planted with species in groups of 3.
- The hedge planting is to be planted at 400mm centres in a double staggered row.

1.4 Immediately After Planting :
- All plants to be thoroughly watered in immediately after planting.

Watering Trees :
-Trees planted dormant, between November and March, should not be "watered in".
-Container grown trees planted in spring/ early summer. Soak the pot prior to planting. Soak the root area after planting with about 10-15 gallons of water and then leave it alone.
-If the summer after planting is dry, watering **may be** necessary on large specimens. If so, then flood the root zone with about 20 gallons of water on 2 or 3 occasions between June and September. More than this on most soils will cause water-logging and root death.
-Small to medium sized trees planted dormant and kept weed free usually do not require watering.
- All planting beds to be thoroughly mulched with 75mm lightly consolidated depth of wood chip.
- The mulching material to be in accordance with PAS 100:2005 and applied to the 0.5m diameter, weed free circle around trees planted in grass.

5 YEAR ESTABLISHMENT MAINTENANCE OF NEW PLANTING :

2.1 General Notes:
During the 5 yr establishment period visit at eight weekly intervals from April - December to carry out the following to planting areas:
- Control weed growth. Maintaining a weed free area around each plant during the first few years will allow quick establishment of the plants and reduce the likelihood of dieback.
- Prune dead and broken branches/shoots
- Check stakes and ties. Adjust or replace as necessary
- Litter picking of beds

2.2 Weed Control in Grass Areas :
The weed free areas to be maintained as weed free for the first 5 years following planting with mulch woodchip material, all areas topped up to maintain a 75mm depth for the maintenance period. Occasional spraying with a contact herbicide in accordance with the manufacturers instructions may be required.

2.3 Watering :
During the first year after planting it may be necessary to water all plants in prolonged periods of dry weather. This usually occurs during May - September. All planting areas should be watered to field saturation using clean fresh water on a weekly basis.

2.4 Replacements (Within 5 years):
FAILURES OF PLANTING DURING THE FIRST FIVE YEARS
General: Any plants that fail to thrive in the first year will be replaced. All Standard Trees and Specimen Shrubs that have failed to thrive during the first 5 years will be replaced.
Replacements: To match original specification.
Timing of making good: During the next suitable planting season.

2.5 Removal of Stakes and Ties :
All spiral guards, canes and tree stakes should be removed at the end of years 3-5 following planting.

2.6. Formative Pruning of Trees :
Prune to shape young trees, but don't cut back the leader.
Remove crossing branches and branches that grow back towards the centre of the tree.
As young trees grow, remove lower branches gradually to raise the crown, and remove branches that are too closely spaced on the trunk. Remove multiple leaders on evergreens and other trees where a single leader is desirable.

2.7 Hedge Maintenance :
New hedges are to be allowed to grow to an approximate height of 1600mm and to be trimmed every year to ensure dense vegetation. Hedge cutting to take place during November - February (outside bird nesting periods).

PLANTING SCHEDULE

Native Hedgerow Mix *To be planted in a double staggered row*

Species	Specification	% Mix	Metres	Density per linear metre	Total plants
Crataegus monogyna	*1+1 bare root, 40-60cm whip*	50	177	6	1062
Prunus padus	*1+1 bare root, 40-60cm whip*	10	35.4	6	212
Acer campestre	*1+1 bare root, 40-60cm whip*	10	35.4	6	212
Rosa canina	*1+1 bare root, 40-60cm whip*	10	35.4	6	212
Corylus avellana	*1+1 bare root, 40-60cm whip*	10	35.4	6	212
Prunus spinosa	*1+1 bare root, 40-60cm whip*	10	35.4	6	212
Total m:	**354**				**2124**

Tree Planting

Species	Specification	No.
Malus domestica 'James Grieves' (Md)	*1+1, bare root, grafted onto dwarf root stock M26, 200-250cm*	3
Pyrus communis 'Conference' (Pc)	*1+1, bare root, grafted on to semi dwarf root stock, Quince A, 200-250cm*	3
Quercus robur (Qr)	*Height 200cm, Girth 10-12cm, RB*	2
Acer pseudoplatanus (Ap)	*Height 200cm, Girth 10-12cm, RB*	2
Acer campestre (Ac)	*Height 200cm, Girth 10-12cm, RB*	4
Populus tremula (Pt)	*Height 200cm, Girth 10-12cm, RB*	1
Alnus glutinosa (Ag)	*Height 200cm, Girth 10-12cm, RB*	5
Total:		**20**

Rain Garden Planting Mix: 01

Species	Specification	% Mix	Area/ m²	Density per square metre	Total plants
Carex elata 'Aurea'	*3L container grown*	50	25	6	150
Rudbeckia birta	*3L container grown*	10	5	6	30
Bergenia cordifolia	*3L container grown*	20	10	6	60
Allium 'Purple King'	*Bulb*	20	10	3	30
Total m²:			**50**		**270**

Rain Garden Planting Mix: 02

Species	Specification	% Mix	Area/ m²	Density per square metre	Total plants
Miscanthus sinensis	*5L container grown*	5	5.3	2	11
Rudbeckia birta	*3L container grown*	20	21.2	6	127
Hakonechloa macra 'Aureola'	*3L container grown*	20	21.2	6	127
Stipa gigantea	*5L container grown*	5	5.3	1	5
Juncus effusus	*5L container grown*	15	15.9	2	32
Cornus sanguinea	*5L container grown*	15	15.9	2	32
Crocosmia	*3L container grown*	15	15.9	5	80
Iris pseudocous	*3L container grown*	5	5.3	6	32
Total m²:			**106**		**445**

Ornamental Planting Mix: 01

Species	Specification	% Mix	Area/ m²	Density per square metre	Total plants
Lavandula hidcote	*3L container grown*	20	12.8	6	77
Rosmarinus officinalis	*3L container grown*	20	12.8	6	77
Thymus vulgaris	*3L container grown*	20	12.8	6	77
Carex elata 'Aurea'	*5L container grown*	20	12.8	6	77
Stipa tenuissima	*5L container grown*	20	12.8	6	77
Total m²:			**64**		**384**

Ornamental Planting Mix: 02

Species	Specification	% Mix	Area/ m²	Density per square metre	Total plants
Lavandula angustifolia 'ellagance pink'	*3L container grown*	30	55.5	6	333
Stipa gigantea	*5L container grown*	10	18.5	2	37
Miscanthus sinensis	*5L container grown*	10	18.5	2	37
Verbena bonariensis	*3L container grown*	20	37	3	111
Rudbeckia birta	*3L container grown*	30	55.5	6	333
Total m²:			**185**		**851**

Gravel Garden Accent Planting

Species	Specification	Total plants
Miscanthus sinensis	*12L container grown*	9
Stipa gigantea	*12L container grown*	12
Stipa tenuissima	*12L container grown*	20
Total		**41**

Wetland Meadow Mixture:
EM84 Emorsgate Wildflowers for Wetlands Mixture: 1.5g per m²
Total: 431g

Amenity Grass / Lawn
EG22 Emorsgate Strong Lawn Mixture: 25g per m²
Total: 57,500g

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- Only figured dimensions are to be taken from this drawing. Dimensions should not be scaled from this drawing, as scaling of this drawing cannot be assured.
- All dimensions are to millimetres unless specified otherwise
- The contractor must visit the site and be responsible for taking and checking all dimensions, services and setting out related to the works shown on this drawing.
- All coordinates are set to dimensional points to enable easy cross referencing on site
- All setting out points are to be verified on site and any discrepancies should be clarified by the Landscape Architect
- Hatching is not a technical representation of surface patterns, contractors are to follow the line of direction specified on drawings . Where no line of direction is given contractor to contact Landscape Architect before laying. All levels should be checked on site and conflicts reported to the design office.

...If in doubt ask

Rev	Date	Description
P01	26.09.22	For discharge of planning condition

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Plant and Robinson Construction Ltd

Project:
Lower Farm Barns

Drawing Title:
Landscape General Arrangement Plan

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