



PLANTING SCHEDULE & SPECIFICATION PRINCIPLES

On behalf of:

Aldi Stores Limited

In respect of:

**Land at Goldthorpe Industrial Estate
Commercial Road
Goldthorpe
Barnsley**



Date:

14 September 2012

Y11A25/02

PLANTING SCHEDULE

Refer to drawing no. Y11A25-02-P006 Rev A for layout and extents of the following planting mixes:

Amenity Grass Mix
100% grass BSH A 18

Wildflower Grass Mix	
40% grass BSH A3 landscape and Bank Mix/60% BSH RE1 Traditional Hay Meadow Grassland Mix comprising;	Agrimony Birdsfoot Trefoil Bulbous Buttercup Cocksfoot Common Bent Common Knapweed Crested Dogstail Meadow Buttercup Meadow Fescue Meadow Sweet Meadow Vetchling Ox-eye Daisy Red Clover Ribwort Plantain Rough Hawkbit Self-Heal Slender Creeping Red Fescue Sweet Vernal Grass White dead-nettle Yarrow Yellow Oak-Grass Yellow Rattle

Marginal/Swale Mix	
100% BSH WFG9 Wetland & Pond Native Mix comprising;	Common Fleabane Common vetch Creeping Red Strong Fescue Crested Dogstail Devil's Bit Scabious Greater Burnet Loostrife Purple

	Marsh Marigold Marsh Trefoil Meadow Buttercup Meadow Cranesbill Meadow Foxtail Bog Bean Brooklime Lesser Spearwort Yellow Flag Iris Water Forget-Me-Not Water Plantabin Ragged Robin Red Campion Self-Heal Sweet Meadow Tall Oat-Grass
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Reedbed Plugs

Species	Spacing	Condition/Size
<i>Phragmites australis</i> rhizomes or similar sourced from the local area (e.g. Old Moor)	500mm centres	To be determined on the advice of Old Moor RSPB Wetlands Centre

Specimen Trees

Species	Size (girth)	Size	Spacing	Clear Stem (cm)	Condition /Size	Comments
<i>Betula Pendula</i> (Silver Birch)	14-16cm	EHS	As shown	2m	RB	Extra heavy standard single staked
<i>Tilia Greenspire</i> (Common Lime)	18-20cm	EHS	As shown	2.5m	RB	Extra heavy standard single staked

Native Hedge Field Boundary Mix

Species	Percentage (%)	Size (height)	Spacing	Condition/ Size	Comments
<i>Acer campestre</i>	5	60-80cm	6 plants per linear metre double staggered rows	BR	Plant in groups of 2-4
<i>Corylus avellana</i>	10	60-80cm	6 plants per linear metre double staggered rows	BR	Plant in groups of 2-4
<i>Crataegus monogyna</i>	50	60-80cm	6 plants per linear metre double staggered rows	BR	Plant in groups of 4-6
<i>Fagus sylvatica</i>	15	60-80cm	6 plants per linear metre double staggered rows	BR	Plant singly
<i>Ilex aquifolium</i>	5	60-80cm	6 plants per linear metre double staggered rows	CG 3L	Plant in groups of 4-6
<i>Prunus spinosa</i>	5	60-80cm	6 plants per linear metre double staggered rows	BR	Plant in groups of 4-6
<i>Quercus patraea</i>	5	60-80cm	6 plants per linear metre double staggered rows	BR	Plant singly
<i>Rosa spp</i>	5	60-80cm	6 plants per linear metre double staggered rows	BR	Plant singly

Hawthorn Ornamental Hedge

Species	Percentage (%)	Size (height)	Spacing	Condition/ Size	Comments
<i>Crataegus monogyna</i>	100	60-80cm	9 plants per linear metre double staggered rows	BR	Plant singly

Woodland Mix A – Structure Planting

Species	Percentage (%)	Size (height)	Spacing	Condition/ Size	Comments
<i>Betula pendula</i>	10	40-60cm	1-1.5m centres	BR	Plant in groups of at least 5
<i>Carpinus betulus</i>	15	40-60cm	1-1.5m centres	BR	Plant in groups of at least 5
<i>Corylus avellana</i>	10	40-60cm	1-1.5m centres	BR	Plant in groups of at least 5
<i>Crataegus monogyna</i>	15	40-60cm	1-1.5m centres	BR	Plant in groups of at least 5
<i>Fagus sylvatica</i>	10	40-60cm	1-1.5m centres	BR	Plant in groups of at least 5
<i>Prunus lusitanica</i>	10	40-60cm	1-1.5m centres	BR	Plant in groups of at least 3 towards centre of bed and top of mounds
<i>Quercus robur</i>	15	40-60cm	1-1.5m centres	BR	Plant in groups of at least 5
<i>Salix caprea</i>	15	40-60cm	1-1.5m centres	BR	Plant in groups of at least 5 towards edge of beds

Woodland Mix B – Bulk Structure Planting

Species	Percentage (%)	Size (height)	Spacing	Condition/ Size	Comments
<i>Alnus Glutinosa</i>	15	40-60cm	1-1.5m centres	BR	Plant in groups of at least 5
<i>Carpinus betulus</i>	12.5	250-300cm	1-1.5m centres	BR feathered	Plant in groups of at least 5
<i>Corylus avellana</i>	15	40-60cm	1-1.5m centres	BR	Plant in groups of at least 5
<i>Crataegus monogyna</i>	15	40-60cm	1-1.5m centres	BR	Plant in groups of at least 5
<i>Fagus sylvatica</i>	12.5	250-300cm	1-1.5m centres	BR feathered	Plant in groups of at least 5
<i>Prunus lusitanica</i>	15	40-60cm	1-1.5m centres	BR	Plant in groups of at least 3 towards centre of bed and top of mounds
<i>Salix caprae</i>	15	40-60cm	1-1.5m centres	BR	Plant in groups of least 5
					Plant in groups of at least 5 towards edge of beds

Copses

Species	Percentage (%)	Size (height)	Spacing	Condition/ Size	Comments
<i>Alnus Glutinosa</i>	15	40-60cm	1-1.5m centres	BR	Plant in groups of at least 5
<i>Betula Pendula</i>	50	40-60cm	1-1.5m centres	BR	Plant in groups of at least 5

SPECIFICATION PRINCIPLES

The following sets out the principles for the implementation, establishment and maintenance of the planning scheme:

Topsoil Storage

Storage heaps:

- Height (maximum): 3.0m, width (maximum): 4.0m

Protection:

- Do not place any other material on top of storage heaps
- Do not allow construction plant to pass over storage heaps
- Prevent compaction and contamination by fencing and covering as appropriate
- Keep topsoil weed free

Amenity Grass

Implementation:

- Spread 150mm topsoil (on-site topsoil)
- Seed with specified mix (method to suit site conditions). Establish good seed contact with root zone to promote healthy, consistent growth. Seeding should be carried out March to May or August to October.

Establishment Maintenance:

- Cut grassed area and remove all clippings once a month during the growing season
- Water as necessary to ensure the establishment and continue thriving of all seeding

Wildflower/Marginal/Swale

Implementation:

- Spread 150mm on-site soil mix (50% topsoil, 50% subsoil)
- Seed with specified mix (method to suit site conditions). Establish good seed contact with the root zone to promote healthy, consistent growth. Seeding should be carried out March to May, or August to October

Establishment Maintenance:

- Cut wildflower grass and remove all clippings in June/July and again in October
Note: open area to north of Carr Dike cut and remove all clippings in June/July and again every second October
- Use chain harrow to scarify ground in October in discrete locations to be specified at the detailed design stage

- Water as necessary to ensure the establishment and continued thriving of all seeding

Reed Plugs

Implementation:

- To be determined at the detailed design stage with input from Old Moor RSPB Wetlands Centre

Establishment Maintenance:

- Rotational dredging of the ditches to prevent choking should be undertaken annually

Specimen Trees

Implementation:

- Plant each EHS in 1m x 1m x 1m tree pit, scarify bottom and sides of pit. Fill with topsoil (on-site topsoil) and tree planting compost
- Mulch around base of trees with 1m diameter circle with 75mm depth medium grade forest bark mulch
- Plant as specified to CPSE 'Handling and establishing landscape plants' (obtainable from the Horticultural Trades Association) Part 111, paragraphs 6.2 to 6.6. Plant upright or well balanced with best side to front.

Establishment Maintenance:

- Maintain weed free area around each tree/shrub
- Prune at appropriate times, to remove dead or dying and diseased wood and suckers, to promote healthy growth and natural shape
- Water as necessary to ensure the establishment and continued thriving of all planting
- Re-mulch to maintain coverage and specified depth
- Remove stakes after 3 years if tree is stable

Native Hedge Field Boundary Mix

Implementation:

- Spread 350mm top soil (on-site topsoil)
- Plant specified mix in trenches large enough to take full spread of roots. Set out plants. Evenly in staggered rows as described

Establishment Maintenance:

- Maintain whole bed in a weed free state by hand or chemical means
- Prune at appropriate times, to remove dead or dying and diseased wood and suckers, to promote healthy growth and natural shape
- Water as necessary to ensure the establishment and continued thriving of all planting

- Maintain to a height of 1.8m

Hawthorn Ornamental Hedge

As Native Hedge Field Boundary mix, with 1 exception:

- Maintain to a height of 1.2m

Car and Cycle Parking Areas Groundcover

Implementation:

- Spread 350mm top soil (onsite Topsoil)
- Mulch with 50mm depth course grade forest bark mulch
- Remove containers and labels and plant in trenches large enough to take full spread of roots. Set out plants as described, spreading out stems over ground

Establishment Maintenance:

- Maintain whole bed in a weed free state by hand or chemical means
- Prune at appropriate times, to retain a neat edge to trafficked areas and to prevent ivy from cloaking hedgerow plants and trees
- Water as necessary to ensure the establishment and continued thriving of all planting
- Re-mulch to maintain coverage and specified depth until total groundcover of ivy is attained

Woodland Structure Planting/Woodland Bulk Structure Planting/Copses

Implementation:

- Spread 350mm top soil (onsite Topsoil)
- Plant specified mix in trenches large enough to take full spread of roots. Set out plants evenly in staggered rows

Establishment Maintenance:

- Maintain whole bed in a weed free state by hand or through the use of a contact weed killer (eg: roundup or similar)
- Prune at appropriate times, to remove dead, dying or diseased wood and suckers, to promote healthy growth and natural shape
- All diseased wood, and the majority of other waste should be removed and disposed of. Low piles of deadwood (roughly 1 x 0.5m) should be left within the woodland, at approx. 1 per 5m² for insects
- Water as necessary to ensure the establishment and continued thriving of all planting