

PLANT SCHEDULE

Tree Planting									
Qty	Abb. Text	Species	Form	Age	Girth	Height	Clear Stem	Root	
4	Acr cm	Acer campestre	Standard (Extra heavy)	3x	18-20cm	450-500cm	min 200cm	RB	
4	Acr cm S	Acer campestre 'Streetwise'	Standard (Extra heavy)	3x	18-20cm	425-500cm	min 200cm	RB	
3	Aln gl	Alnus glutinosa	Multi stem	3x	18-20cm	250-300cm		RB	
2	Fagi sy	Fagus sylvatica	Standard	3x	16-18cm	min 450cm	Min 200cm	RB	
3	Prns av	Prunus avium	Standard (extra-heavy)	3x	16-18cm	min 450cm	Min 200cm	RB	
7	Qr ro	Quercus robur	Standard (extra-heavy)	3x	18-20cm	450-500cm	min 200cm	RB	
3	Six al	Salix alba	Standard (Extra-heavy)	3x	18-20cm	min 450cm	Min 200cm	RB	
26									

Native Hedgerow						
Qty	Abb. Text	Species	Root	Height	Habit	Centres (m)
15	Acr cm	Acer campestre	B	60-80cm		0.500
58	Crip nm	Crataegus monogyna	B	60-80cm		0.500
15	Cryls av	Corylus avellana	B	60-80cm	Branched	15.00 %
10	Rs cn	Rosa canina	B	60-80cm	Branched	10.00 %
98						

Shrub Planting						
Qty	Abb. Text	Species	Container	Root	Height	Habit
312	Cms sn MWF	Cornus sanguinea 'Mid-Winter Fire'	3L	C	40-60cm	Branched
174	Ery fr EG	Euconymus fortunei 'Emerald Gaiety'	3L	C	20-30cm (D)	Bushy
186	Hb vr	Hebe verucosa	3L	C	30-40cm	Bushy
83	Lvn an H	Lavandula angustifolia 'Hidcot'	3L	C	20-30cm	Bushy
24	Phs x fr RR	Phytolacca x fraseri 'Red Robin'	10L	C	60-80cm	Branched
333	Prns lauro OL	Prunus laurocerasus 'Oto Luyken'	3L	C	30-40cm	Bushy
26	Vb dv	Viburnum davidii	3L	C	20-30cm	Bushy
173	Vb op	Viburnum opulus		B	40-60cm	Branched
1311						

Hedge Mix 1							
Qty	Abb. Text	Species	Root	Height	Habit	Form	Centres (m)
11	Acr cam	Acer campestre	B	60-80cm		Transplant (seed-raised)	15.00 %
11	Cor san	Cornus Sanguinea	B	40-60cm	Branched		15.00 %
21	Fagi syl	Fagus Sylvatica	B	60-80cm		Transplant - seed raised	30.00 %
14	Prn Spt	Prunus Spinosa	B	60-80cm	Branched		20.00 %
14	Sam nig	Sambucus nigra	B	60-80cm	Branched		20.00 %
71							

EP1 Pond Edge Mixture (Sow at 40kg/hectare or 4g/m²)

Composition:
Ermogate EP1 (or similar approved) contains wild flowers and grasses suitable for sowing at the wet margins of ponds, streams and ditches.

Wild Flowers (20%)

%	Latin name	Common name
0.4	<i>Achillea ptarmica</i>	Sneezewort
2	<i>Angelica sylvestris</i>	Wild Angelica
0.2	<i>Calluna palustris</i>	Marsh Marigold
0.5	<i>Eupatorium cannabinum</i>	Hemp Agrimony
2.4	<i>Filipendula ulmaria</i>	Meadowsweet
0.5	<i>Hypericum tetrapetrum</i>	Square-stalked St John's Wort
4	<i>Iris pseudacorus</i>	Yellow Iris
0.5	<i>Lotus pedunculatus</i>	Greater Birdfoot Trefoil
1	<i>Lycopus europaeus</i>	Gypsywort
1.5	<i>Lythrum salicaria</i>	Purple Loosestrife
3	<i>Ranunculus acris</i>	Meadow Buttercup
0.3	<i>Scrophularia auriculata</i>	Water Figwort
0.5	<i>Silene fls-cucul - (Lychnis fls-cucul)</i>	Ragged Robin
0.2	<i>Succisa pratensis</i>	Devil's-bit Scabious
1	<i>Thalictrum flavum</i>	Common Meadow-rue
2	<i>Vicia cracca</i>	Tufted Vetch

Grasses (80%)

%	Latin name	Common name
12	<i>Agrostis capillaris</i>	Common Bent
5	<i>Allopecurus pratensis</i>	Meadow Foxtail (w)
1	<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass (w)
36	<i>Cynosurus cristatus</i>	Crested Dogtail
1	<i>Deschampsia cespitosa</i>	Tufted Hair-grass (w)
25	<i>Festuca rubra</i>	Slender-creeping Red-fescue
	<i>Festuca rubra</i>	

EM8F Wild Flowers for Wetlands (Sow at 15kg/hectare or 1.5g/m²)

Composition:
Ermogate EM8F (or similar approved) contains wild flower species suitable for seasonally wet soils and is based on the vegetation of traditional water meadows. Soils in wet meadows may flood for short periods in winter, but are usually well drained in summer.

Wild flowers (100%)

%	Latin name	Common name
2.5	<i>Achillea millefolium</i>	Yarrow
2.5	<i>Betonica officinalis - (Stachys officinalis)</i>	Betony
5	<i>Centaurea nigra</i>	Common Knapsweed
1	<i>Filipendula ulmaria</i>	Meadowsweet
5	<i>Galium verum</i>	Lady's Bedstraw
7	<i>Leucanthemum vulgare</i>	Oxeye Daisy
1.5	<i>Lotus pedunculatus</i>	Greater Birdfoot Trefoil
3.5	<i>Plantago lanceolata</i>	Ribwort Plantain
5	<i>Primula veris</i>	Cowslip
10	<i>Prunella vulgaris</i>	Selfheal
15	<i>Ranunculus acris</i>	Meadow Buttercup
8	<i>Rhinanthus minor</i>	Yellow Rattle
6	<i>Rumex acetosa</i>	Common Sorrel
7.5	<i>Silene fls-cucul - (Lychnis fls-cucul)</i>	Pepper Saxifrage
1.5	<i>Silene dioica</i>	Ragged Robin
1	<i>Succisa pratensis</i>	Devil's-bit Scabious
9	<i>Vicia cracca</i>	Tufted Vetch

EM1 Basic General Purpose Meadow Mixture (Sow at 40kg/hectare or 4g/m²)

Composition:
EM1 Basic General Purpose Meadow Mixture is a simple low cost meadow mixture suitable for a wide range of soil types. The wild flowers are robust and showy, and the grasses are fine and slow growing.

Wild Flowers (20%)

%	Latin name	Common name
0.5	<i>Achillea millefolium</i>	Yarrow
0.5	<i>Centaurea nigra</i>	Common Knapsweed
1	<i>Daucus carota</i>	Wild Carrot
2	<i>Galium verum</i>	Lady's Bedstraw
2	<i>Leucanthemum vulgare</i>	Oxeye Daisy
3	<i>Potentilla sanguisorba - (Sanguisorba minor)</i>	Salad Burnet
2.5	<i>Prunella vulgaris</i>	Selfheal
0.5	<i>Ranunculus acris</i>	Meadow Buttercup
0.5	<i>Rumex acetosa</i>	Common Sorrel
2.5	<i>Silene dioica</i>	Red Campion
2	<i>Silene vulgaris</i>	Bladder Campion

Grasses (80%)

%	Latin name	Common name
8	<i>Agrostis capillaris</i>	Common Bent
40	<i>Cynosurus cristatus</i>	Crested Dogtail
28	<i>Festuca rubra</i>	Slender-creeping Red-fescue
4	<i>Phleum bertolonii</i>	Smaller Cat's-tail

PLANTING SPECIFICATION

EXISTING TREES AND SHRUBS

Where existing trees & shrubs are to be retained they should be subject to a full arboricultural inspection for safety. Any survey required shall be in accordance with BS 3998 (2013) 'Tree Work - Recommendations' and should be fully reviewed off prior to the commencement of any work in accordance with Figure 2 (202) at the full extent of the root protection area, as determined by section 4.6 (G10.1.2) and Annex G (2045).

No storage of materials, disposal of rubbish, site fees, spillage of oil and chemicals, ground compaction, excavation or changes in level shall be carried out within existing tree / hedge / canopy.

New shrub planting into below existing trees to be hand dug to avoid conflict with tree roots. Avoid increasing ground levels below existing trees. Free-draining, neutral acidity topsoil (e.g. with a high sand content), should be employed to achieve the minimum 400mm depth growing medium.

PLANTING

All plants and planting to comply with the requirements of all current / relevant British Standard specifications including BS 2838: Part 1 (1992), Part 2 (1996) and Part 4 (2007) and BS 6841 (1986) where applicable, BS 4428 (1989). All plants to be supplied in accordance with the plant schedule. Any plant material planted outside the recognised planting season (Nov-Feb), to be containerised stock and supplied at the sizes specified.

TREE PLANTING

A suitable method of foundation allowing for existing ground conditions is to be provided to accommodate the proposed tree planting. All trees are to be planted as shown ensuring a minimum of 5 metres from buildings and 3 metres from drainage and services. Where necessary, root barriers to be installed (supplied Ceresit/Barbican L100 or equal approved) as recommended by structural engineer. Allow for the use of container grown stock during the period 1 April to 31 October, and field grown stock from 1 November to 31 March.

NOTE: BELOW GROUND PREPARATION OF ALL TREE PITS IS TO BE AGREED WITH LOCAL AUTHORITY TREE OFFICER PRIOR TO INSTALLATION, WHERE TREES ARE PLANTED WITHIN OR DIRECTLY ADJACENT HARD PAVED AREAS, SUFFICIENT ROOTING VOLUME MUST BE PROVIDED INCLUDING (IF REQUIRED) THE USE OF A MODULAR CELL STRUCTURE SUCH AS SILVACELL (OR EQUAL APPROVED).

TOPSOIL REQUIREMENTS

To BS 3882 (2015) 'Specification for topsoil' as qualified by full contract specification. All areas shall be cultivated to a minimum depth of 150mm. Full weed, rubbish and stones over 20mm gauge shall be removed. Earth to be rolled as required and sated in both directions. Apply to all newly planted areas (except wildflower / meadow planting), in manufacturer's recommendations where appropriate.

Heavy standard tree pits - 150mm dia. x 900mm depth
Shrub / hedge planting beds - 400mm depth
Grass areas - 150mm depth

Where necessary increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than rootball. Break up bottom of pits to a depth of 150mm. Compacted paved sides of pits should be roughened. Full analysis of existing and imposed topsoil required prior to use.

TOPSOIL IMPROVEMENTS

Applied to all newly planted areas, to manufacturer's recommendations where appropriate:

- Incorporate 75mm depth of soil conditioner into topsoil during cultivation.
- Incorporate Ermogate CFP granular fertiliser at approx 140g per pit to standard tree pit (bocsett and 75g per pit to structural / ornamental shrub planting).
- Watering - supply min. 54 litres / tree / 45 litres / shrub at planting.
- Mulch - After weeding and watering, lightly top over planted areas before applying a min. 75mm depth 50-100mm grade bark mulch. Ornamental bark to consist of predominantly matured British Pine Bark with an even nominal particle size distribution of 4-50mm with 0% dust & fines & less than 5% wood content. The product shall be pest, disease & weed free & not have been treated with harmful Biocides or any additives. The product shall have been tested in accordance with the requirements of BS BS 7002:1987 for fire resistance.
- Geotextile membrane to be installed between topsoil and bark mulch, with min. 200mm overlap and holes cut for planting. Sufficient pegs to be installed to prevent membranes from lifting. Main Contractor to ensure bark mulch is retained in place on sloping ground.

PLANT MATERIAL TREATMENT

All to be British grown stock and fully hardened off.

Root Dip: Proprietary Root Dip applied to all bare rooted stock (1) at time of lifting at nursery, and (2) prior to a plant being installed.

Anti-Desiccant: Proprietary anti-desiccant to be applied to foliage of all containerised / rootballed material in field, specimen centres and overwinterers etc. (1) prior to transportation and (2) during any delay in planting.

Pruning: Allow for pruning of all deciduous trees and shrubs by 1/3rd following planting at Landscape Architects direction.

TREE STAKES, TIES & GUARDS

Trees planted within grassed areas to be provided with appropriate control strimmer guards. Stakes to be pressure impregnated softwood (bark, chestnut, round, peeled, straight, free of projections and pores) at one end. Minimum length and thickness to be determined as follows:

Tree type: Min Dia. Overall Ht above ground No. stakes No. ties
65-100 100mm 1.8m 2 1

GRASS SEEDING AREAS

Grass seeding generally to BS 4428 (1986) 'Code of practice for general landscape operations'. When topsoil is reasonable dry and available grade to smooth blowing contours removing all hollows and ridges. Cultivate soil to full depth and break up any compacted topsoil. Apply approved herbicide to control perennial weeds and allow period of time to elapse as recommended by manufacturer before final cultivation. Apply proprietary pre-seeding fertiliser. Reduce by 25mm of topsoil to a fine silty by further cultivation. Remove stones exceeding 50mm in any dimensions. Sow approved grass seed mixture in accordance with suppliers recommendations during appropriate season and weather conditions, e.g. Cerebral (new perennial core) Mix A2 Quality Lawn (or equal approved) at 50g/m². Lightly harrow or rake then roll and crescent with lightweight roller.

GRASS SEEDING AREAS: ESTABLISHMENT CUT

When grass is between 40-75mm high remove stones and debris exceeding 50mm in any dimension and roll with a lightweight roller. About 48 hours later cut grass to approximately 35mm high. Remove and dispose of all cuttings.

PROTECTIVE FENCING

The contractor shall maintain fencing until all site works are complete. The contractor will then remove the fencing and restore the ground. The fencing will remain the property of the contractor. Within the area so fenced, the existing ground level shall be neither raised nor lowered, all excavations shall then be carried out by hand. The Local Planning Authority shall be advised in writing when the protective fencing has been erected so that it can be checked on site before development commences, and shall thereafter be maintained during the period of construction.

MAINTENANCE

Regular visits (minimum 20 No.) required during the defects liability / rectification period to maintain all planted areas in a weed and litter free condition using a combination of chemical spray and hand weeding to be agreed with the Landscape Architect. Any plant found to be dead, dying or otherwise defective shall be replaced during the next planting season. Maintenance to include watering, pruning, pest and disease control and re-mulching as required. Grass areas to be mowed at 2 week intervals during the growing season.

Watering shall be carried out as necessary to maintain healthy growth as required by the Landscape Architect. First visit to be immediately prior to handing over and to include a fertiliser treatment of Ermogate CFP granular fertiliser at 100g / m² and 25mm depth bark mulch top up to all planted areas.

SAFETY PRECAUTIONS

The landscape sub-contractor is to take all safety precautions to prevent any injury to any persons. The landscape sub-contractor shall comply with the requirements of the Health & Safety at Work Act 1974 and current Construction, Design and Management Regulations (2015).

WILDFLOWER MANAGEMENT

Do not use fertiliser

Control weeds before sowing. Annual weeds may be hoed, buried or killed with a contact herbicide. Perennial weeds should be eradicated by a glyphosate-based herbicide.

Sow mixtures either from early March to early May, or from early August to mid September. Cultivate the ground to provide a fine, weed free seed bed, firm if necessary. Sow evenly at 4gms / m², thoroughly mix one part seed with four parts dry sand to easily distribute.

Rake seed in lightly with spring-tined rake and firm soil by treading or, preferably, rolling. Water with a fine spray and keep well watered and free from unwanted plants.

Cut the sward every six-eight weeks during the first year after sowing and remove the cuttings, in the following years cut in early spring before growth starts and in October once wild flowers have been shed - remove all cuttings.

To be read in conjunction with the following:

Preliminary Ecological Appraisal (October 2016, The Ecology Partnership)
AAJ5079 / PR-012 - Typical Tree Pit Details (RPS Group plc)
AAJ5079 - Landscape Management and Maintenance plan (RPS Group plc)

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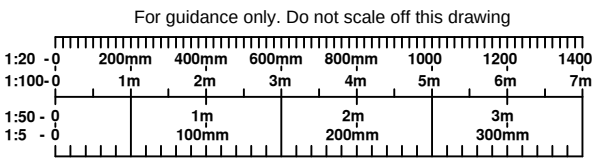
Notes

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KEY

- Existing trees to be retained and protected in accordance with BS 5837:2012 (approximate position)
- Existing hedgerow to be retained and protected in accordance with BS 5837:2012 (approximate position)
- Existing trees and hedge to be removed (approximate position)
- Proposed specimen tree planting
- Proposed native hedge planting
- Proposed Hedge Mix 1 planting
- Proposed shrub / ground cover planting
- Proposed pond edge mix
- Proposed wildflower wetland mix
- Proposed general purpose meadow mixture
- Semi-improved grassland to be retained and made good where necessary
- Suggested location for log pile (2 No.) (to be reviewed by ecologist on site)

H	Updated as per latest layout.	20:02:18	HA	DMB
G	6 no trees added to southern boundary. Planting schedule updated accordingly.	01:12:17	HA	JBT
F	Tree species along Manor Road amended	14.11.17	JBT	DMB
E	Planting updated in accordance with flood strategy	09.10.17	JBT	DMB
D	Tree species to southern boundary amended; tree planting added along Manor Road	03.10.17	JBT	DMB
C	Amended in accordance with client comments; planting schedule updated accordingly.	16.06.17	JS	JBT
B	Amended in accordance with latest site layout	09:06:17	JBT	DMB
A	Landscape amended/added as per the new layout, tree position adjusted. Planting schedule updated.	20:04:17	HA	JBT
Rev	Description	Date	Initial	Checked



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Client

Project **Proposed New Lidl Store**
Haying Island
Hampshire

Title **Soft Landscape Proposals**

Status **Drawn By** **PM/Checked by**
Planning **JS** **JBT**

Job Ref **Scale @ A2** **Date Created**
AAJ5079 **1:500** **March 17**

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