Planting Schedule

Trees

Number	Abbreviation	Species	Girth	Height	Specification	Density
6 No.	ALNCO	Alnus cordata	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
7 No.	ACEPLC	Acer platanoides 'Columnare'	20-25cm	500-550cm	Semi-Mature: 3x: RB: Clear Stem mn. 200cm	Counted
12 No.	SORAKLU	Sorbus ara 'Lutescens'	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
7 No.	CRAMONS	Crataegus monogyna 'Stricta'	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
6 No.	TILCOGR	Tilia cordata 'Greenspire'	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
4 No.	MALTS	Malus trochomiodes	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
95 No.	FAGSY	Fagus sylvatica		60-80cm	1+2: Transplant: B	3/m
1735 No.	CRAMON	Crataegus monogyna		60-80cm	1+1: Transplant: B	4/m
105 No.	CARBET	Carpinus betulus		60-80cm	1+1: Transplant: B	4/m
6 No.	BETPE	Betula pendula	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
5 No.	SORAU	Sorbus aucuparia	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
3 No.	A ca	Acer campestre	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
6 No.	ACECAME	Acer campestre 'Elegig'	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted

Shrubs

Number	Abbreviation	Species	Pot Size	Specification	Density
45 No.	PRULAOL	Prunus laurocerasus 'Otto Luyken'	3L	Bushy: 3 brks: C	3/m²
32 No.	LIGOVAU	Ligustrum ovalifolium 'Aureum'		OD: Branched: 3 brks: B	3/m
40 No.	CEABLM	Ceanothus 'Blue Mound'	3L	Branched: 5 brks: C	3/m²
114 No.	LAVANPI	Lavandula angustifolia 'Hidcote'	2L	Bushy: 5 brks: C	4/m²
37 No.	HEBRA	Hebe rakaiensis	2L	Bushy: 3 brks: C	4/m²
74 No.	COTCOND	Cotoneaster conspicuus 'Decorus'	3L	Branched: 3 brks: C	3/m²
20 No.	BRADU	Brachyglottis 'Dunsinne'	3L	Branched: 4 brks: C	2/m²
17 No.	HEBGO	Hebe 'Great Orme'	2L	Bushy: 3 brks: C	3/m²
2500 No.	CYTSE	Cytisus x kewensis	1.5L	Bushy: 3 brks: C	4/m²
13 No.	PHOFRKER	Photinia x fraseri 'Red Robin'	3L	Branched: 4 brks: C	3/m²
19 No.	VIBDA	Viburnum davidii	3L	Bushy: 3 brks: C	3/m²
42 No.	PRULU	Prunus lusitanica	3L	Bushy: 4 brks: C	3/m
635 No.	CORSA	Cornus sanguinea		1+1: BR	6/m
179 No.	CORAV	Corylus avellana		1+2: Branched: 3 brks: BR	6/m
351 No.	PRUSP	Prunus spinosa			6/m
351 No.	R can	Rosa canina		1+1: BR	6/m
179 No.	V op	Viburnum opulus		1+1: BR	6/m
105 No.	GREVIA	Grselinia littoralis 'Variegata'	2L	Bushy: 3 brks: C	3/m
2339 No.	LIGOV	Ligustrum ovalifolium	3L	Branched: 5 brks: C	4/m

Conifers

Number	Abbreviation	Species	Pot Size	Specification	Density
6 No.	PINSY	Pinus sylvestris		Leader 4 Laterals: 5x: RB:	Counted
629 No.	JUNSQBS	Juniperus squamata 'Blue Star'	3L	Bushy: C	5/m²

Bulbs

Number	Abbreviation	Species	Specification	Density
146 No.	CROZB	Crocus chrysanthus 'Zwanenburg Bronze'	Grade 5/7	12/m²
146 No.	CROTO	Crocus tommasinianus	Grade 5/7	12/m²
539 No.	NARTT	Narcissus 'Tete-a-Tete'	Grade 1 Cl 2	12/m²
539 No.	NART	Narcissus 'Thalia'	Grade 1 Cl 2	12/m²

LANDSCAPE PROPOSALS KEY:

- Proposed Tree - Semi Mature
- Proposed Tree - Extra Heavy Standard
- Native Hedge Planting
  Mixed species Hawthorn hedge to replace removed hedgerows. Planted to open space boundaries.
- Ornamental Hedge Planting
  Used to define the boundary between public and private realm.
- Proposed Bulb Planting
- Shrub Planting
  A selection of evergreen and semi-evergreen shrub planting within private gardens. Planting is used to define private realm, soften built form and aid legibility.
- Amenity Grass from seed or turf
- Grass - Species Rich Wildflower Mix
- H4 Existing Trees Retained
  (Reference as used on Biodiversity Mitigation Plan)
- Trees to be Removed

Landscape Proposals

This drawing illustrates the landscape strategy for the site based on the wider masterplan and green infrastructure, the aims are:

- To mitigate the visual impact of the development on the surrounding open land, transport routes and residential areas
- To provide an attractive and legible development for users
- To create a sequence of linked green spaces
- To mitigate any loss of trees/hedgerows and provide ecological enhancements

FOR DETAILS OF SUDS AREA PLANTING PLEASE REFER TO BIODIVERSITY MITIGATION AND ENHANCEMENT PLAN DOCUMENT BY ECUS.

Ornamental Shrub Planting
The landscape proposals show the location of ornamental shrub planting beds within the dwelling plots.
Planting beds are designed to provide an attractive environment for the site users. A selection of evergreen and semi-evergreen shrub planting around car parking areas creates legible boundaries between units and softens structural elements.

Topsoil shall be spread in layers not exceeding 150mm to a depth of 450mm over all shrub planting beds. Topsoil to be treated with non-residual herbicide in advance of planting. All planting beds and hedges to receive 75mm consolidated depth of medium grade ornamental bark mulch after planting. Where/if slopes exceed a gradient of 1:4 mulch matting secured by pegs/pins must be used.

Native Hedge Planting
The hedges will be planted as staggered double rows at 45 cm centres planted in random groups of 3-9. Herbaceous and woody climbing plants will be scattered through as individuals. To ensure that the herbaceous species are not lost through routine hedgerow maintenance during the establishment period (herbicide application) these will be clearly marked and kept competition free through the use of mulch mats.

Tree Planting
All Extra Heavy Standard (or larger) trees to be secured with underground guys. After planting cover a circular area of 500 mm radius, measured from the tree stem, with medium grade bark mulch.
Standard trees are to be secured by a single stake, rubber cushion and tie.

Species-Rich Grassland
Soil spreading in the areas to be treated with wildflower meadow seeding will need to be different from the soils used in the remainder of the site to establish amenity grassland and landscape tree and shrub planting. Soil to be spread in wildflower areas shall consist of neutral subsoil, this is likely to constitute subsoil taken from existing soil profiles. Wildflower seeding will comprise of a general meadow seed mix with a good variety of native flower species along with a range of native grasses typical of higher value grassland habitat. The Emorsgate ES "Special General Purpose Meadow Mixture" or an equivalent mix would suit the seeded areas based on the sites existing value and grasslands typical of the wider area.
The wildflower mix balances the creation of what would once have been locally prevalent plant communities with the need to create visually attractive, showy grasslands with high habitat value for invertebrates. The mix will be sown at 25 kg per ha.

Planting Specification

Topsoil shall be spread in layers not exceeding 150mm to a depth of 450mm over all shrub planting beds. Topsoil to be treated with non-residual herbicide in advance of planting. All planting beds and hedges to receive 75mm consolidated depth of medium grade ornamental bark mulch after planting. Where/if slopes exceed a gradient of 1:4 mulch matting secured by pegs/pins must be used. All Extra Heavy Standard (or larger) trees to be secured with underground guys. After planting cover a circular area of 500 mm radius, measured from the tree stem, with medium grade bark mulch.

Foundation design of new buildings shall accommodate proposed tree and shrub planting in accordance with NHBC standards.

Establishment Maintenance and Management for Soft Landscape

Public Realm
Public realm to be maintained by a management company to an approved management plan.
Management activities to include:

- All planting should be monitored for a period of 5 years following completion. Any failed plants should be replaced during the following planting season.
- Planted areas to be maintained weed free
- Litter to be removed from all public realm areas
- Tree staking and ties to be checked and adjusted as necessary
- Mowing to be carried out in accordance with a management plan for different grass types

Private Realm
Private realm to be maintained by the property owner

- All planting should be monitored for a period of 5 years following completion. Any failed plants should be replaced during the following planting season.
- Restrictive covenants to be applied to plots with strategic tree, hedge and shrub planting to ensure the planting is retained and maintained in a uniform way.

Native Hedgerows (public & private)
Objectives:
To ensure the healthy establishment of new hedgerows.
To encourage bushy side growth of hedgerow and maintain A- shaped profile once established.
To provide more fruit, berries, flowers and nesting opportunities.
To maintain to a maximum height of 1.8m.
Operations:
Establishment pruning during first year (newly planted hedges only) - heavy trim sides first year to encourage bushy side growth followed by light trimming to sides until established - November to March.
Established hedges - Trim alternate sides on an annual basis to promote fruiting - November to February, annually.

FOR MANAGEMENT OF SUDS AREA PLEASE REFER TO BIODIVERSITY MITIGATION AND ENHANCEMENT PLAN DOCUMENT BY ECUS (APPENDIX 2).

REV	DATE	DESCRIPTION	BY	CHECK
C	05.12.17	BIODIVERSITY ENHANCEMENT DETAIL ADDED TO PLAN ALONG WITH VARIOUS OTHER CHANGES IN RESPONSE TO LPA OFFICER COMMENTS	LB	LM
B	04.12.17	HEDGE PLANTING SIGNIFICANTLY INCREASED TO BOUNDARIES OF CENTRAL & SOUTHERN OPEN SPACES	LB	LM
A	30.06.17	PLAN UPDATED TO REFLECT REVISED BIODIVERSITY MITIGATION AND ENHANCEMENT PLAN HEDGE MANAGEMENT NOTES ADDED HEDGE REFERENCES ADDED	LB	LB

jrp ARCHITECTURE | PLANNING | LANDSCAPE

NORTH

1:1250 SCALE
10m 100m

CLIENT:
NETHERTON HOMES

PROJECT:
PHASE 2 LAND WEST OF
WAKEFIELD ROAD, MAPPLEWELL

DRAWING:
LANDSCAPE MASTERPLAN

DRAWING NUMBER:
P14:4905:101

SCALE @ A1:
1:500

DRAWN: LB DATE: 13.04.17

CHECKED: LM DATE: 13.04.17

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