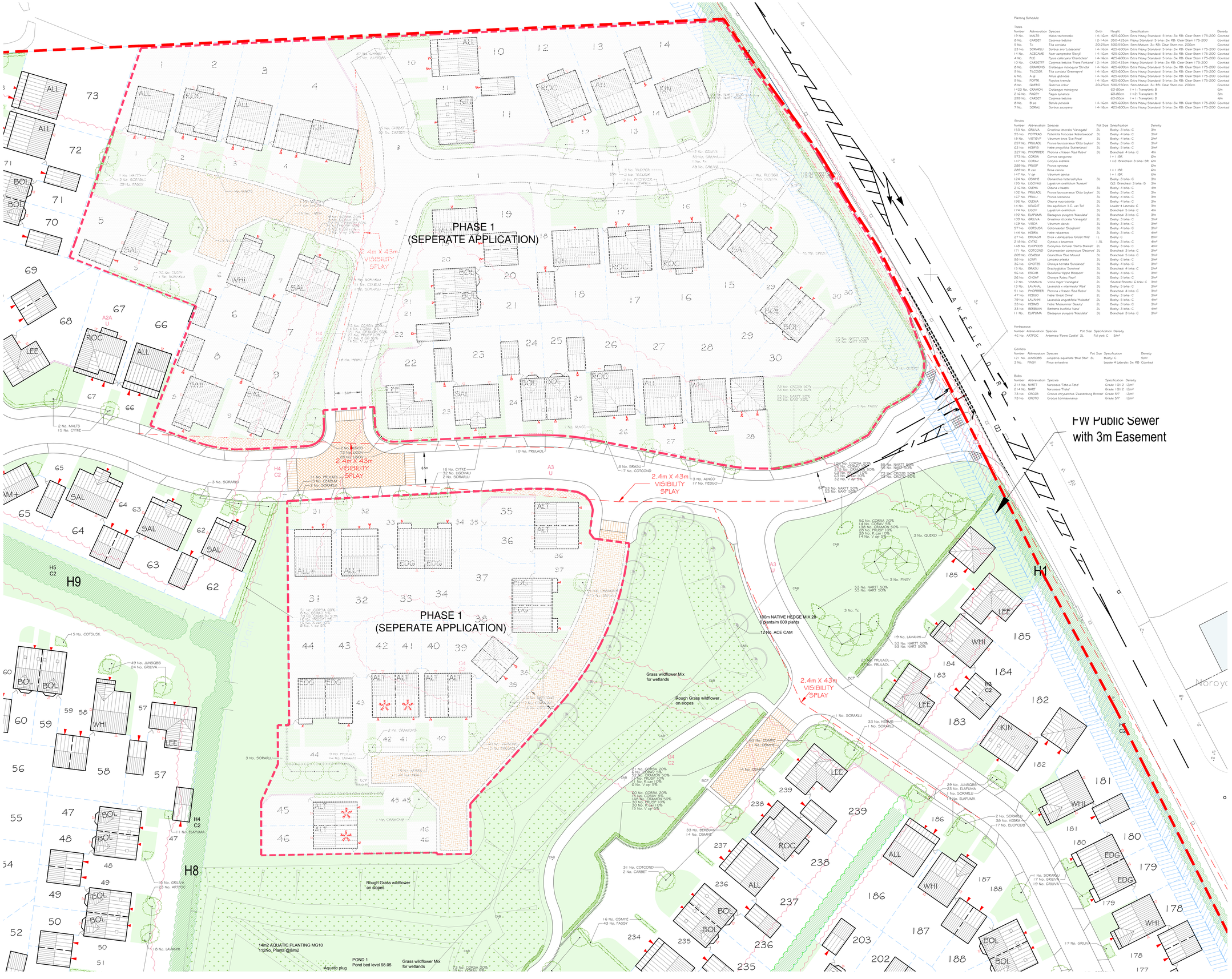


Planting Schedule

Trees

Number	Abbreviation	Species	Girth	Height	Specification	Density
19 No.	MALT5	Malus trschoniana	14-16cm	425-600cm	Extra Heavy Standard: 5 links: 3x: RB: Clear Stem 175-200	Counted
8 No.	CARBET	Carpinus betulus	12-14cm	350-425cm	Heavy Standard: 5 links: 3x: RB: Clear Stem 175-200	Counted
5 No.	Tc	Tilia cordata	20-25cm	500-550cm	Semi-Mature: 3x: RB: Clear Stem mn. 200cm	Counted
23 No.	SORARLU	Sorbus aria 'Lutescens'	14-16cm	425-600cm	Extra Heavy Standard: 5 links: 3x: RB: Clear Stem 175-200	Counted
14 No.	ACECAME	Acer campestre 'Elsrijk'	14-16cm	425-600cm	Extra Heavy Standard: 5 links: 3x: RB: Clear Stem 175-200	Counted
4 No.	PsC	Pyrus calleryana 'Chanticleer'	14-16cm	425-600cm	Extra Heavy Standard: 5 links: 3x: RB: Clear Stem 175-200	Counted
10 No.	CARBETTF	Carpinus betulus 'Frans Fontaine'	12-14cm	350-425cm	Heavy Standard: 5 links: 3x: RB: Clear Stem 175-200	Counted
8 No.	CRAMONO	Crataegus monogyna 'Stricta'	14-16cm	425-600cm	Extra Heavy Standard: 5 links: 3x: RB: Clear Stem 175-200	Counted
9 No.	TILCOGR	Tilia cordata 'Greenspire'	14-16cm	425-600cm	Extra Heavy Standard: 5 links: 3x: RB: Clear Stem 175-200	Counted
6 No.	A sp	Alnus glutinosa	14-16cm	425-600cm	Extra Heavy Standard: 5 links: 3x: RB: Clear Stem 175-200	Counted
9 No.	POPTR	Populus tremula	14-16cm	425-600cm	Extra Heavy Standard: 5 links: 3x: RB: Clear Stem 175-200	Counted
8 No.	QUERO	Quercus robur	20-25cm	500-550cm	Semi-Mature: 3x: RB: Clear Stem mn. 200cm	Counted
1423 No.	CRAMON	Crataegus monogyna		60-80cm	1 + 1: Transplant: B	4/m
216 No.	FAGSY	Fagus sylvatica		60-80cm	1 + 2: Transplant: B	3/m
299 No.	CARBET	Carpinus betulus		60-80cm	1 + 1: Transplant: B	4/m
8 No.	B pe	Betula pendula	14-16cm	425-600cm	Extra Heavy Standard: 5 links: 3x: RB: Clear Stem 175-200	Counted
7 No.	SORAU	Sorbus aucuparia	14-16cm	425-600cm	Extra Heavy Standard: 5 links: 3x: RB: Clear Stem 175-200	Counted

Shrubs

Number	Abbreviation	Species	Pot Size	Specification	Density
153 No.	GRLUVA	Griselinia littoralis 'Variegata'	2L	Bushy: 3 brks: C	3/m
95 No.	POTFRAB	Potentilla fruticosa 'Abbotswood'	3L	Bushy: 4 brks: C	3/m²
18 No.	VIBTIDVP	Viburnum tinus 'Eve Price'	3L	Bushy: 4 brks: C	2/m²
257 No.	PRULAOL	Prunus laurocerasus 'Otto Luyken'	3L	Bushy: 3 brks: C	3/m²
62 No.	HEBPIS	Hebe pinguifolia 'Sutherlandii'	3L	Bushy: 5 brks: C	3/m²
327 No.	PHORPRKR	Photinia x fraseri 'Red Robin'	3L	Branched: 4 brks: C	4/m
573 No.	CORSA	Cornus sanguinea		1 + 1 : BR	6/m
147 No.	CORAV	Corylus avellana		1 +2: Branched: 3 brks: BR	6/m
269 No.	PRUSP	Prunus spinosa			6/m
269 No.	R can	Rosa canina		1 + 1 : BR	6/m
147 No.	V op	Viburnum opulus		1 + 1 : BR	6/m
124 No.	OSMHE	Osmanthus heterophyllus	3L	Bushy: 3 brks: C	3/m
195 No.	LIGOVAU	Ligustrum ovalifolium 'Aureum'		Qt2: Branched: 3 brks: B	3/m
216 No.	OLEHA	Olearia x haastii	3L	Bushy: 4 brks: C	4/m
102 No.	PRULAOL	Prunus laurocerasus 'Otto Luyken'	3L	Bushy: 3 brks: C	3/m
167 No.	PRULU	Prunus lusitanica	3L	Bushy: 4 brks: C	3/m
196 No.	OLEMA	Olearia macrodonta	3L	Bushy: 4 brks: C	3/m
14 No.	ILEAQJT	Ilex aquifolium 'J.C. van Tol'	2L	Leader 4 Laterals: C	3/m
174 No.	LIGOV	Ligustrum ovalifolium	3L	Branched: 5 brks: C	4/m
192 No.	ELAPUMA	Elaeagnus pungens 'Maculata'	3L	Branched: 3 brks: C	3/m
109 No.	GRLUVA	Griselinia littoralis 'Variegata'	2L	Bushy: 3 brks: C	3/m²
169 No.	VIBDA	Viburnum davidii	3L	Bushy: 3 brks: C	3/m²
57 No.	COTSUSK	Cotoneaster 'Skogholm'	3L	Bushy: 4 brks: C	3/m²
144 No.	YEBRA	Hebe rakaiensis	2L	Bushy: 3 brks: C	4/m²
27 No.	BRDAGH	Erica x darleyensis 'Ghost Hills'	1L	Bushy: C	6/m²
218 No.	CYTLE	Cytisus x kewensis	1.5L	Bushy: 3 brks: C	4/m²
148 No.	EUOFODB	Euonymus fortunei 'Dart's Blanket'	2L	Bushy: 3 brks: C	4/m²
171 No.	COTCOND	Cotoneaster conspicuus 'Decorus'	3L	Branched: 3 brks: C	3/m²
209 No.	CEABLM	Ceanothus 'Blue Mound'	3L	Branched: 5 brks: C	3/m²
98 No.	LONPI	Lonicera pileata	3L	Bushy: 4 brks: C	3/m²
36 No.	CHOTES	Choisya ternata 'Sundance'	3L	Bushy: 4 brks: C	3/m²
15 No.	BRASU	Brachyglottis 'Sunshine'	3L	Branched: 4 brks: C	2/m²
56 No.	ESCAB	Escallonia 'Apple Blossom'	3L	Bushy: 4 brks: C	3/m²
26 No.	CHOAP	Choisya 'Aztec Pearl'	3L	Bushy: 5 brks: C	3/m²
12 No.	VINMAVA	Vinca major 'Variegata'	2L	Several Shoots: 6 brks: C	3/m²
13 No.	LAVANAL	Lavandula x intermedia 'Alba'	3L	Bushy: 5 brks: C	3/m²
51 No.	PHORPERR	Photinia x fraseri 'Red Robin'	3L	Branched: 4 brks: C	3/m²
47 No.	HEBGO	Hebe 'Great Orme'	2L	Bushy: 3 brks: C	3/m²
79 No.	LAVANFI	Lavandula angustifolia 'Hidcote'	2L	Bushy: 5 brks: C	4/m²
33 No.	HEBMB	Hebe 'Midsummer Beauty'	2L	Bushy: 3 brks: C	4/m²
33 No.	BERBJUN	Berberis bonifolia 'Nana'	2L	Bushy: 3 brks: C	4/m²
11 No.	ELAPUMA	Elaeagnus pungens 'Maculata'	3L	Branched: 3 brks: C	3/m²

Herbaceous

Number	Abbreviation	Species	Pot Size	Specification	Density
46 No.	ARTPOC	Artemesa 'Powis Castle'	2L	Full pot: C	5/m²

Conifers

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

Bulbs

Number	Abbreviation	Species	Specification	Density
214 No.	NARTT	Narcissus 'Tete-a-Tete'	Grade 1 2/ 12	12/m²
214 No.	NART	Narcissus 'Thalia'	Grade 1 2/ 12	12/m²
73 No.	CROZB	Crocus chrysanthus 'Zeanenbourg Bronze'	Grade 5/7	12/m²
73 No.	CROTO	Crocus tommasinianus	Grade 5/7	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 hirbaceous 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 hedgerow 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 maxmum 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
A	21.01.20	TREE SPECIES WITHIN OPEN SPACES AMENDED TO: POPULUS TREMULA, QUERCUS ROBUR, TILIA CORDATA, PINUS SYLVESTRIS, ACER CAMPESTRE & BETULA PENDULA	LB	LM

jrp ARCHITECTURE | PLANNING | LANDSCAPE

NORTH
1:500 SCALE
5m 10m 20m 30m 40m 50m

CLIENT:
NETHERTON HOMES

PROJECT:
LAND WEST OF
WAKEFIELD ROAD, MAPPLEWELL

DRAWING:
LANDSCAPE PROPOSALS
SHEET 2 OF 4

DRAWING NUMBER:
P14:4905:112

SCALE @ A0:
1:250

DRAWN: LB DATE: AUG 19

CHECKED: LM DATE: AUG 19

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