Grass wildflower Mix for wetlands
73 No. CORSIA 20% (8 No. ORAVU 10% (4 No. PRUAUC 30% (12 No. PRUSPI 10% (4 No. V ce 10%
PHASE 2
2.4m X 33m VISIBILITY SPLAY
2.4m X 43m VISIBILITY SPLAY
WAKEFIELD ROAD
EASTFIELD CRESCENT
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
Planting Schedule
Trees
Number Abbreviation Species Girth Height Specification Density
19 No. MALTS Malus trichocarpa 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
8 No. ACEPLC Acer platanoides 'Columnare' 20-25cm 500-550cm Semi-Mature: 3x RB: Clear Stem min. 200cm Counted
23 No. SORARU Sorbus aria 'Lutescens' 14-16cm 425-600cm Extra Heavy Standard: 5 links: 3x RB: Clear Stem 175-200 Counted
20 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
3 No. A ca Acer campestre 14-16cm 425-600cm Extra Heavy Standard: 5 links: 3x RB: Clear Stem 175-200 Counted
12 No. SORAU Sorbus aucuparia 14-16cm 425-600cm Extra Heavy Standard: 5 links: 3x RB: Clear Stem 175-200 Counted
6 No. BETPE Betula pendula 14-16cm 425-600cm Extra Heavy Standard: 5 links: 3x RB: Clear Stem 175-200 Counted
1420 No. CRAMON Crataegus monogyna 60-80cm 1+1: Transplant: B 4m
216 No. FAGSY Fagus sylvatica 60-80cm 1+2: Transplant: B 3m
295 No. CARBET Carpinus betulus 60-80cm 1+1: Transplant: B 4m
8 No. B pe Betula pendula 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. GRULIVA Grasalma littoralis 'Variegata' 2L Bushy: 3 brks: C 3/m
95 No. POTPKAB Potentilla fruticosa 'Abbotswood' 3L Bushy: 4 brks: C 2/m²
18 No. VIBTEVP 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. WEBPIS Weba pmugifolia 'Sutherlandii' 3L Bushy: 5 brks: C 3/m²
327 No. PHOPRRER Photinia x fraseri 'Red Robin' 3L Branched: 4 brks: C 4/m
572 No. CORSA Cornus sanguinea 1 + 1 : BR 6/m
147 No. CORAV Corylus avellana 1 + 2 : Branched: 3 brks: BR 6/m
268 No. PRUSP Prunus spinosa 6/m
268 No. R can Rosa canina 1 + 1 : BR 6/m
147 No. V opu 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' 3L Bushy: 3 brks: C 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. LEAGJT 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. GRULIVA Grasalma littoralis 'Variegata' 2L Bushy: 3 brks: C 3/m²
169 No. VIBOA Viburnum opulus 3L Bushy: 3 brks: C 3/m²
57 No. COTSUSK Cotoneaster 'Skogholm' 3L Bushy: 4 brks: C 3/m²
144 No. HEBRA Hebe rakaiensis 2L Bushy: 3 brks: C 4/m²
27 No. ERIDAGH Erica x darleyensis 'Ghost Hills' 1L Bushy: C 4/m²
218 No. CYTIE Cytisus x kewensis 1.5L Bushy: 3 brks: C 4/m²
148 No. EUOFOOB Euonymus fortunei 'Darts Blanket' 2L Bushy: 3 brks: C 4/m²
171 No. COTCOND Cotoneaster conspicuus 'Decorus' 3L Branched: 3 brks: C 3/m²
209 No. CEABUM Ceanothus 'Blue Mound' 3L Branched: 5 brks: C 3/m²
86 No. LONPI Lonicera pileata 3L Bushy: 6 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 3/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. LAVWAL Lavandula x intermedia 'Alba' 3L Bushy: 5 brks: C 3/m²
51 No. PHOPRRER 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. WEBWB Weba 'Midsummer Beauty' 2L Bushy: 3 brks: C 3/m²
33 No. BERBUWN Berberis buxifolia '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 Artemesia '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 5/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 2/1 2/m²
214 No. NART Narcissus 'Thalia' Grade 1 2/1 2/m²
73 No. CROZB Crocus chrysanthus 'Zwanenburg Bronze' Grade 5/7 12/m²
73 No. CROTO Crocus tommasinianus Grade 5/7 12/m²
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).
jrp ARCHITECTURE | PLANNING | LANDSCAPE
NORTH
1:250 SCALE
5m 25m
CLIENT: NETHERTON HOMES
PROJECT: LAND WEST OF WAKEFIELD ROAD, MAPPLEWELL
DRAWING: LANDSCAPE PROPOSALS SHEET 4 OF 4
DRAWING NUMBER: P14:4905:114
SCALE @ A1: 1:250
DRAWN: LB DATE: AUG 19
CHECKED: LM DATE: AUG 19
14 MARINER COURT / CALDER PARK / WAKEFIELD / WF4 3FL
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