

SOFT LANDSCAPE PROPOSALS

Overview Sheet

OUTLINE PLANTING SPECIFICATION

PLANTS
All plants and planting to comply with the requirements of all current and relevant British Standard Specifications including BS 3936: Part 1 1992 and where applicable BS 4428: 1989. All plants to be provided in accordance with the indicated schedule.

TOPSOIL REQUIREMENTS
Topsoil to BS 3882: 1994 (updated 2007), as qualified by full contract inspection.

SITE CLEARANCE GENERALLY
For all planting areas:
- General: Remove rubbish, concrete, metal, glass, decayed vegetation and contaminated topsoil.
- Stones: Remove those with any dimension exceeding 75mm.
- Contamination: Remove material containing toxins, pathogens or other extraneous substances harmful to plant, animal or human life.

Existing Vegetation: Selected vegetation to be retained and works undertaken as set out within the Tree Quality Survey prepared by Tyler Grange LLP (Report Reference: 2001/R09a). Sensitive ground works to be undertaken when planting is within a defined Root Protection Area.

TREES
Excavate 'Standard' tree pits to minimum 900 x 900 x 900mm. Where necessary increase these dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than the root ball spread. Break up bottom of pits to a depth of 200mm and create a slightly raised centre. Compacted glazed sides of pits should be roughened. All pits to be prepared with two-thirds volume topsoil and one-third volume peat free tree and shrub planting compost. Slow release fertiliser shall be mixed into the base of each pit at the time of planting as per the manufacturer's instructions and avoiding direct contact with roots.

Heavy Standard trees to be planted in accordance with BS 4043: 1989. They shall be between 2.5m and 6.0m high with a branch spread of between 1m and 2m. They shall be nursery grown, regularly transplanted trees with a bushy well proportioned head, free from disease, vigorous and with a well developed, healthy, fibrous root system. Excavate tree pits to minimum 1500 x 1500 x 1200mm.

Standard trees to be supported with a single stake (1.5-2.0m in length / 50 x 50mm width) and all Heavy Standard trees to be supported with double stakes (2.0-2.4m in length / 100 x 100mm width). Distance between stakes to be 100mm wider than the rootball.

All planting beds to be finished with minimum 50mm layer of composted bark mulch.

Bare root stock to be planted November to March

PLANT MATERIAL TREATMENT
NB. All to be British Grown stock and fully hardened off.

Anti-desiccant root dip (1:3 solution) applied to all bare root stock:

- At time of lifting
- Prior to planting

Anti-desiccant foliage application - Wilt proof S600 to be applied to foliage of all containerised material in leaf and evergreens etc:

- At time of lifting at nursery
- During any delay in planting

NATIVE HEDGEROW PUBLIC OPEN SPACE
Double staggered row / rows 25cm apart / species groups of 3-5 / 5-6 plants per metre at 30cm spacing. 600mm shrub shelters to be placed around all ground level shrubs attached to a 25 x 25mm timber stake.

All planting to be through a secured hessian membrane or to be finished with minimum 75mm layer of composted bark mulch. Bare root stock to be planted in November to March.

NATIVE HEDGEROW/ BEECH HEDGEROW
Single row / species groups of 3-5 / 3-4 plants per metre at 30cm spacing. 600mm shrub shelters to be placed around all ground level shrubs attached to a 25 x 25mm timber stake.

All planting to be through a secured hessian membrane or to be finished with minimum 75mm layer of composted bark mulch. Bare root stock to be planted November to March.

SHRUBS
After ground preparation and tree planting, species shall be planted in the locations illustrated and in accordance with:

- cultivate bed to a depth of 250mm, to loosen, aerate and break up soil to particles of 2-8mm, removing all undesirable material with any dimension exceeding 75mm (do not cultivate within root spread of retained trees)
- planting pit shall be excavated wide enough to accommodate the roots of each plant and slow release fertiliser shall be mixed into the base of each pit in accordance with manufacturer's instructions
- plants shall be excavated wide enough to accommodate the roots of each plant and slow release fertiliser shall be mixed into the base of each pit in accordance with manufacturer's instructions
- plants shall be planted in each hole, with backfilled topsoil firmed around the base of each plant and excess soil spread out evenly in the vicinity of each plant
- minimum 25mm layer mulch

WILDFLOWER MEADOW MIX
(Emorsgate EM2 Standard General Purpose Meadow Mixture & EP1 - Pond Edge Mixture)
Remove weeds using repeated cultivation or a herbicide. Clean out all weeds, stones and the like exceeding 50mm ring and clear away to tip.

Lightly and uniformly firm the surface and reduce it to a fine tilth up to 25mm in depth by raking, or harrowing with a spike and chain harrow. Supply approved wildflower and sow seed during suitable calm weather (generally April to June or August to October) at the 4g/m² or at rates prescribed by the manufacturer and according to the manufacturer's methods of sowing. This operation shall be carried out in equal sowings in transverse directions after which the ground should be lightly raked and rolled to ensure contact of seeds with the soil.

AMENITY GRASS SEEDING
(Emorsgate EG21 Fine Amenity Turfgrass Mixture)
Cultivate the areas to be seeded to a depth of 150mm or to a depth of 75mm on batters steeper than 1 in 3 and grade to evenly running levels. Clean out all weeds, stones and the like exceeding 50mm and clear away to a tip. Lightly and uniformly firm the surface and reduce it to a fine tilth up to 25mm in depth by raking, or harrowing with a spike and chain harrow. Apply an approved pre-seed fertiliser at the rates prescribed by the manufacturer.

Supply and sow approved amenity grass seed mixture at a rate of 25g/m², and sow seed during calm weather. This operation shall be carried out in equal sowings in transverse directions after which the ground should be lightly raked and rolled to ensure contact of seeds with the soil.

REPLACEMENT
The contractor shall replace plants/trees that have failed to thrive (show growth or display full foliage) during the growing season after planting (including plants damaged during maintenance operations). Excludes plants/trees damaged by vandalism/theft after completion. Replacements to match original specification or of similar size/species, approved by the Landscape Architect.

WATERING
Supply a minimum 54 litres per 'Standard'/'Heavy Standard' tree and 4.5 litres per 'Bare Root Transplant'. The landscape contractor shall allow for and continue to water all trees and shrubs up to practical completion and throughout the defects period to aid normal establishment until restrained from doing so by statutory powers. He shall allow for watering to be undertaken at 2-3 week intervals (subject to conditions) during the months May to September and in sufficient quantities to ensure the continued thriving of all plant material.

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

EXISTING TREES TO BE RETAINED
Existing trees to be retained are subject to 'BS 5837:2012 TREES in Relation to design, demolition and construction. Recommendations'. Avoid damage to branches, trunks and roots. No storage of materials, disposal of rubbish, site fires, spillage of oil and chemicals, ground compactions, excavation or changes in level shall be carried out within existing tree/hedge canopies.

Header				
No.	Species Name	Qth	Specification	Density
14 No.	Acer platanoides 'Columnare'	14-16cm	Extra Heavy Standard: 5 brks: 3x RB: Clear Stem min. 200cm	Counted
14 No.	Acer pseudoplatanus	12-14cm	Heavy Standard: 5 brks: 3x RB: Clear Stem min. 200cm	Counted
10 No.	Amelanchier x grandiflora 'Robin Hill'	12-14cm	Heavy Standard: 5 brks: 3x RB: Clear Stem 175-200cm	Counted
5 No.	Betula pendula	14-16cm	Large Feathered: 7 brks: 3x RB	Counted
5 No.	Betula pendula	8-10cm	Feathered: 5 brks: 2x RB	Counted
6 No.	Betula pendula	14-16cm	Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm	Counted
4 No.	Betula utilis jacquemonti	16-18cm	Extra Heavy Standard: 3x RB: Clear Stem min. 200cm	Counted
9 No.	Betula utilis jacquemonti	14-16cm	Large Feathered: 7 brks: 3x RB	Counted
17 No.	Carpinus betulus 'Frans Fontaine'	14-16cm	Large Feathered: 7 brks: 3x RB	Counted
11 No.	Corylus avellana		Multi-Stemmed: Bushy: 5 Stems min. C	Counted
4 No.	Crataegus monogyna	8-10cm	Standard: 3 brks: 2x RB: Clear Stem 175-200cm	Counted
19 No.	Fagus sylvatica	16-18cm	Extra Heavy Standard: 3x RB: Clear Stem min. 200cm	Counted
21 No.	Fagus sylvatica 'Purpurea'	10-12cm	Feathered: 7 brks: 2x RB	Counted
15 No.	Larix decidua		Leader with Laterals: 3x RB	Counted
6 No.	Malus 'Evereste'	14-16cm	Extra Heavy Standard: 5 brks: 3x RB: Clear Stem 175-200cm	Counted
4 No.	Prunus 'Shirotae'	14-16cm	Extra Heavy Standard: 5 brks: 3x RB: Clear Stem 175-200cm	Counted
10 No.	Prunus avium 'Plena'	14-16cm	Extra Heavy Standard: 5 brks: 3x RB: Clear Stem 175-200cm	Counted
5 No.	Prunus avium 'Plena'	8-10cm	Standard: 3 brks: 2x RB: Clear Stem 175-200cm	Counted
21 No.	Pyrus calleryana 'Chanticleer'	18-20cm	Extra Heavy Standard: 3x RB: Clear Stem min. 200cm	Counted
7 No.	Quercus palustris	12-14cm	Heavy Standard: 5 brks: 3x RB: Clear Stem 175-200cm	Counted
5 No.	Quercus palustris	16-18cm	Extra Heavy Standard: 3x RB: Clear Stem min. 200cm	Counted
19 No.	Quercus robur	12-14cm	Heavy Standard: 5 brks: 3x RB: Clear Stem 175-200cm	Counted
6 No.	Quercus robur	14-16cm	Extra Heavy Standard: 5 brks: 3x RB: Clear Stem 175-200cm	Counted
2 No.	Sorbus aucuparia	8-10cm	Standard: 3 brks: 2x RB: Clear Stem 175-200cm	Counted
Total 239 No.				

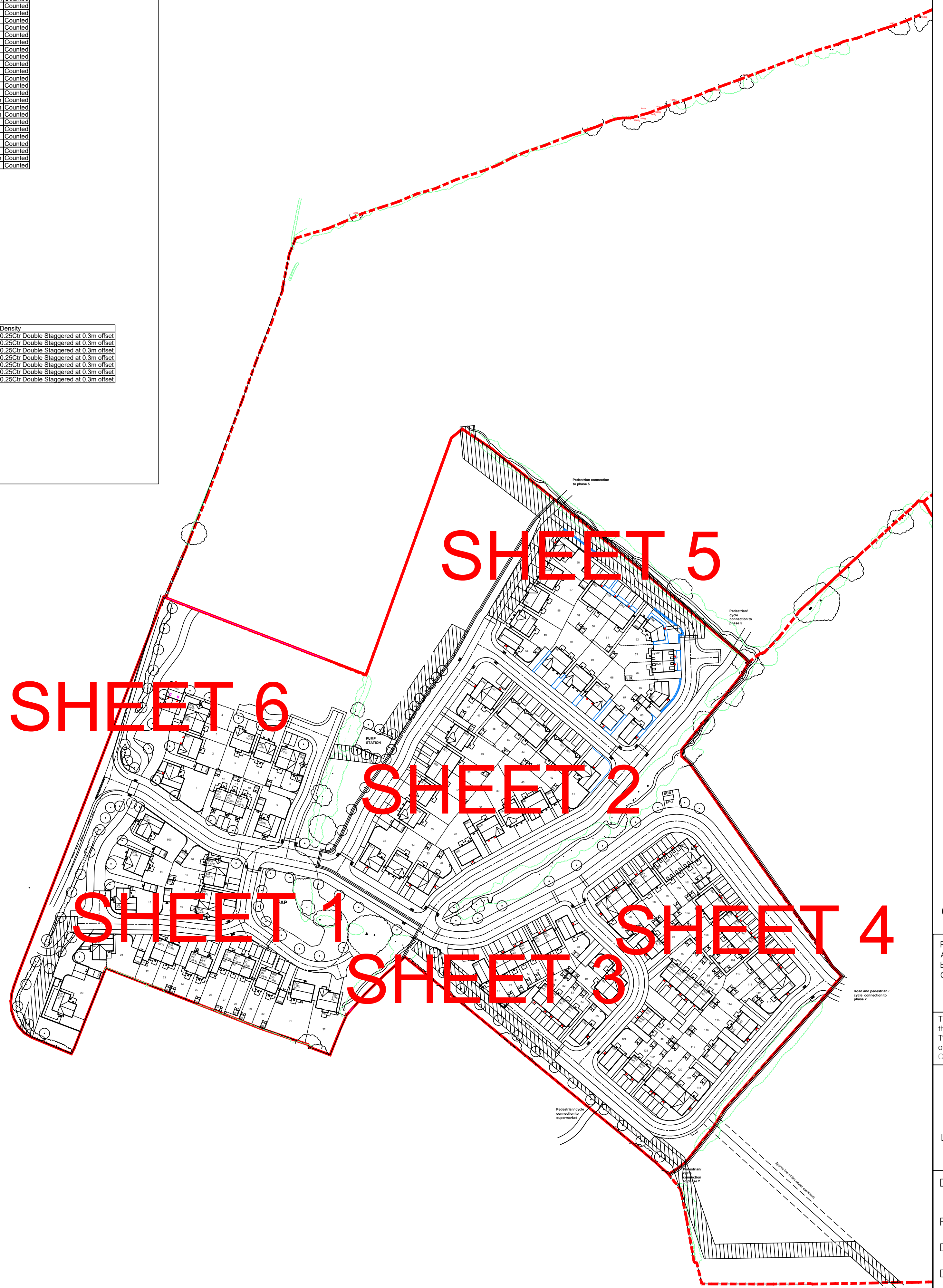
Shrubs				
No.	Species Name	Height	Specification	Density
650 No.	Choysya 'Aztec Pearl'	60-80cm	Bushy: 6 brks: C	3m ²
745 No.	Cornus alba	60-80cm	Branched: 3 brks	3m ²
450 No.	Corylus avellana	80-100cm	Branched: 4 brks	3m ²
455 No.	Crataegus monogyna	150-175cm	2x Feathered: 3 brks	3m ²
1192 No.	Escallonia 'Donard Radiance'	40-60cm	Bushy: 5 brks: C	3m ²
297 No.	Forsythia x intermedia 'Lynwood'	60-80cm	Branched: 5 brks: C	3m ²
641 No.	Ilex aquifolium	60-80cm	Bushy: 3 brks: C	3m ²
153 No.	Ilex aquifolium	60-80cm	Leader with Laterals	3m ²
205 No.	Lavandula angustifolia	20-30cm	Bushy: 5 brks: C	3m ²
450 No.	Philadelphus 'Belle Etoile'	60-80cm	Branched: 4 brks	3m ²
301 No.	Philadelphus 'Belle Etoile'	40-60cm	Branched: 5 brks: C	3m ²
442 No.	Potentilla fruticosa 'Abbotswood'	60-80cm	1+1 Branched: 3 brks	3m ²
601 No.	Prunus spinosa	60-80cm	Branched: 3 brks	3m ²
153 No.	Rosa canina	40-60cm	Branched: 5 brks	3m ²
237 No.	Rosmarinus officinalis 'Miss Jessopp's Upright'	30-40cm	Bushy: 5 brks: C	3m ²
Total 8862 No.				

Native Hedgerow Mix					
Number	Species	Common Name	Height	Specification	Density
313 No.	Alnus glutinosa	Common Alder	60-80cm	1+1 Transplant: Seedlings: B	0.25C/D Double Staggered at 0.3m offset
625 No.	Crataegus monogyna	Common Hawthorn	60-80cm	1+1 Transplant: Seedlings: B	0.25C/D Double Staggered at 0.3m offset
75 No.	Ilex aquifolium	Common Holly	40-60cm	Multi-Stemmed	0.25C/D Double Staggered at 0.3m offset
157 No.	Prunus spinosa	Blackthorn	60-80cm	1+1 Branched: 3 brks	0.25C/D Double Staggered at 0.3m offset
78 No.	Rosa canina	Dog Rose	60-80cm	1+1 Branched: 3 brks: BR	0.25C/D Double Staggered at 0.3m offset
235 No.	Sambucus nigra	Common Elder	60-80cm	1+1 Branched: 3 brks: BR	0.25C/D Double Staggered at 0.3m offset
78 No.	Viburnum opulus	Guelder Rose	60-80cm	1+1 Branched: 3 brks: BR 1+2 Branched: 3 brks: BR 0.25C/D Double Staggered at 0.3m offset	
Total 1587 No.					

Ornamental Hedgerow Mix					
Number	Species	Common Name	Height	Specification	Density
684 No.	Fagus sylvatica	Common Beech	80-100cm	1+2 Transplant - seed raised: B	3/m
417 No.	Ilex aquifolium	Common Holly	40-60cm	Leader with Laterals: C	3/m
89 No.	Philadelphus 'Belle Etoile'	Black Orange Belle Etoile	40-60cm	Branched: 7 brks: C	3/m
88 No.	Prunus laurocerasus 'Etna'	Cherry Laurel Etna	40-60cm	Bushy: 5 brks: C	3/m
157 No.	Viburnum x burkwoodii	Burkwood Viburnum	60-80cm	Branched: 4 brks: C	3/m
Total 1434 No.					

Bulb Mix		
Number	Species	Density
4261 No.	Narcissus 'Jack Snipe' 80mm	
4261 No.	Narcissus 'Tête-à-Tête' 80mm	
Total 8522 No.		

Wildflower Mix	
Species	Specification
Achillea millefolium	Seed: British Native-origin
Anthriscus vulgaris	Seed: British Native-origin
Centaurea cyanus	Seed: British Native-origin
Centaurea nigra	Seed: British Native-origin
Claudianthus	Seed: British Native-origin
Echium vulgare	Seed: British Native-origin
Glebionis sepgetum	Seed
Gravilla arvensis	Seed: British Native-origin
Leucanthemum vulgare	Seed: British Native-origin
Lunaria vulgaris	Seed: British Native-origin
Myosotis arvensis	Seed: British Native-origin
Papaver dubium	Seed: British Native-origin
Papaver rhoeas	Seed: British Native-origin
Rosa luteola	Seed: British Native-origin
Silene dioica	Seed: British Native-origin
Silene flos-cuculi	Seed: British Native-origin
Silene latifolia	Seed: British Native-origin
Stachys sylvatica	Seed: British Native-origin
Trifolium pratense	Seed: Commercial-origin
Trigonostemon modorum	Seed: British Native-origin
Vicia cracca	Seed: British Native-origin



0m 10m 20m 30m 40m 50m
Scale @ 1:1,000 1:1000 @ A1

Revision
A - 17.08.16 AW Revised Layout
B - 20.06.18 JG Revised Layout
C - 22.08.18 JG Revised Layout

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