

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 tith 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 tith 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	Grth	Specification
14 No.	Acer platanoides 'Columnare'	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem min. 200cm
14 No.	Acer pseudoplatanus	12-14cm	Heavy Standard: 5 brks: 3x: RB: Clear Stem min. 200cm
11 No.	Amelanchier x grandiflora 'Robin Hill'	12-14cm	Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm
4 No.	Betula pendula	14-16cm	Large Feathered: 7 brks: 3x: RB
5 No.	Betula pendula	8-10cm	Feathered: 5 brks: 2x: RB
6 No.	Betula pendula	14-16cm	Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm
4 No.	Betula utilis jacquemonti	16-18cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm
9 No.	Betula utilis jacquemonti	14-16cm	Large Feathered: 7 brks: 3x: RB
17 No.	Carpinus betulus 'Frans Fontaine'	14-16cm	Large Feathered: 7 brks: 3x: RB
11 No.	Corylus avellana	Multi-Stemmed:	Bushy: 5 Stems min. C
4 No.	Crataegus monogyna	8-10cm	Standard: 3 brks: 2x: RB: Clear Stem 175-200cm
18 No.	Fagus sylvatica	16-18cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm
21 No.	Fagus sylvatica 'Purpurea'	10-12cm	Feathered: 7 brks: 2x: RB
15 No.	Larix decidua		Leader with Lateralis: 3x: RB
6 No.	Malus 'Erebor'	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm
4 No.	Prunus 'Shiroline'	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm
10 No.	Prunus avium 'Plena'	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm
6 No.	Prunus avium 'Plena'	8-10cm	Standard: 3 brks: 2x: RB: Clear Stem 175-200cm
21 No.	Pyrus calleryana 'Chanticleer'	18-20cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm
7 No.	Quercus palustris	12-14cm	Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm
6 No.	Quercus palustris	16-18cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm
19 No.	Quercus robur	12-14cm	Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm
6 No.	Quercus robur	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm
2 No.	Sorbus aucuparia	8-10cm	Standard: 3 brks: 2x: RB: Clear Stem 175-200cm
Total: 240 No.			

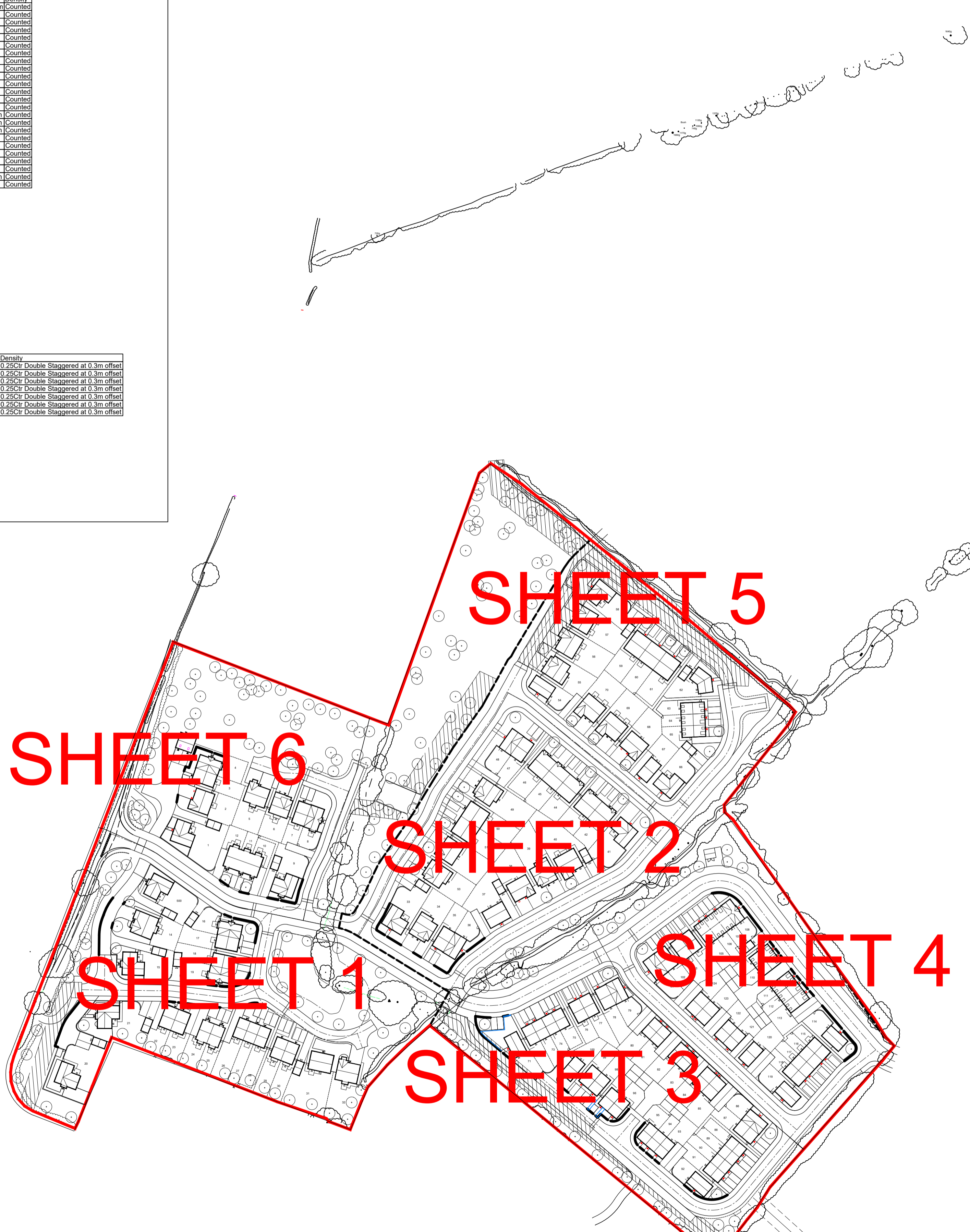
Shrubs			
No.	Species Name	Height	Specification
540 No.	Chosya 'Aztec Pearl'	80-100cm	Bushy: 6 brks: C
444 No.	Cornus alba	80-100cm	Branched: 3 brks
450 No.	Cornus avellana	80-100cm	Branched: 4 brks
744 No.	Crataegus monogyna	150-175cm	5x: 2x: Feathered: 3 brks: 3m ²
897 No.	Eucalyptus 'Conard Redance'	40-60cm	Bushy: 5 brks: C
285 No.	Foraythia x intermedia 'Lynwood'	60-80cm	Branched: 5 brks: C
822 No.	Hypericum 'Hidcotte'	80-100cm	Bushy: 7 brks: C
153 No.	Rex aquifolium	80-100cm	Leader with Lateralis
282 No.	Lavandula angustifolia	20-30cm	Bushy: 5 brks: C
450 No.	Ligustrum vulgare	60-80cm	Branched: 4 brks
188 No.	Philadelphus 'Selle Etoile'	40-60cm	Branched: 5 brks: C
440 No.	Potentilla fruticosa 'Abbotswood'	60-80cm	Bushy: 5 brks: C
301 No.	Prunus spinosa	60-80cm	Branched: 5 brks: C
183 No.	Rosa canina	60-80cm	Branched: 5 brks: C
235 No.	Rosmarinus officinalis 'Miss Jessopp's Upright'	80-100cm	Bushy: 5 brks: C
Total: 8681 No.			

Native Hedgerow Mix			
Number	Species	Common Name	Height
314 No.	Ainus glutinosa	Common Alder	60-80cm
627 No.	Crataegus monogyna	Common Hawthorn	60-80cm
72 No.	Rex aquifolium	Common Holly	40-60cm
158 No.	Prunus spinosa	Blackthorn	60-80cm
78 No.	Rosa canina	Dog Rose	60-80cm
236 No.	Sambucus nigra	Common Elder	60-80cm
79 No.	Viburnum opulus	Guelder Rose	60-80cm
Total: 1572 No.			

Ornamental Hedgerow Mix			
Number	Species	Common Name	Height
816 No.	Fagus sylvatica	Common Beech	80-100cm
601 No.	Rex aquifolium	Common Holly	40-60cm
106 No.	Prunus laurocerasus 'Etna'	Cherry Laurel Etna	40-60cm
189 No.	Viburnum x burkwoodii	Burkwood Viburnum	60-80cm
Total: 1718 No.			

Bulb Mix		
Number	Species	Density
4261 No.	Narcissus 'Jack Snipe'	180m ²
4261 No.	Narcissus 'Tete-a-Tete'	180m ²
Total: 8522 No.		

Wildflower Mix	
Species	Specification
Achillea millefolium	Seed: British Native-origin
Anthrillus vulgaris	Seed: British Native-origin
Centaurea cyanus	Seed: British Native-origin
Centaurea nigra	Seed: British Native-origin
Galvus carola	Seed: British Native-origin
Echium vulgare	Seed: British Native-origin
Glebionis sepgetum	Seed
Prunella avensis	Seed: British Native-origin
Leucanthemum vulgare	Seed: British Native-origin
Linaria vulgaris	Seed: British Native-origin
Narcissus avensis	Seed: British Native-origin
Papaver dubium	Seed: British Native-origin
Papaver rhoeas	Seed: British Native-origin
Rosa laetitia	Seed: British Native-origin
Silene dioica	Seed: British Native-origin
Silene flou-occuli	Seed: British Native-origin
Silene latifolia	Seed: British Native-origin
Stachys sylvatica	Seed: British Native-origin
Trifolium pratense	Seed: Commercial-origin
Trifolium pratense	Seed: British Native-origin
Vicia cracca	Seed: British Native-origin



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

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	B - 20.06.18 JG Revised Layout

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Drawing Title	Soft Landscape Proposals: Overview Sheet
Project	Land at Higgins Brook, East of Chipping Lane, Longridge
Drawing No	11319/P65b
Date	August 2016