

Soft landscape implementation specification

All workmanship to relevant British standards and Codes of Practice. All landscaping operations to BS 4428: 1999 and stock as defined in BS 3936: Part 1 and Part 2: 1992. Use tools and machinery suitable for use and comply with Health and Safety Regulations. Follow good husbandry practice and allow for keeping all new planting and grassed areas well watered during the defects liability period/maintenance period of the contract. All plants to be supplied in the condition and planted at the density specified in the planting schedules.

Ground Preparation: Protection of existing woodland and trees against damage to be in accordance with the BS 5837:2012 - Trees in relation to design, demolition and construction - Recommendations.

Excavations to B.S. 8000 part 1:1989. Excavated material to be used to create screening bunds; good quality subsoil/topsoil stored on-site for re-use.

Landscape planting areas to have a minimum depth of soil of 500mm and grass areas will have 300mm.

Supply approved imported subsoil to B.S. 8601:2013 - multipurpose subsoil to make up any deficiency in on-site subsoil. Spread and level to depth of: 200mm for planting areas 200mm for grass areas

Supply approved imported topsoil to B.S. 3882:2007 - multipurpose topsoil to make up for any deficiency in on-site topsoil. Spread and level to depth of: 100mm for planting areas 100mm for grass areas

Excavate planting pits to the following dimensions:

Feathered Trees: 500 x 500 x 500mm depth

Standard Trees: 1000 x 1000 x 500mm depth

Shrubs: 300 x 300 x 300mm depth

Backfill tree pits with 100/300mm depth subsoil and 400mm topsoil including Metcort Topgrow peak Tree planting compost or similar approved at a rate of 0.125m³/pit.

Backfill shrub pits with topsoil including Metcort Topgrow peak tree planting compost or similar approved at a rate of 1.0m³/20m².

Cultivate all landscape areas to a loose and friable tilth suitable for grass seeding or planting.

Collect and remove from site all stones, builders' rubble and other deleterious material over 50mm in any dimension.

Planting Areas:
Plant specification to be in accordance with the HTA National Plant Specification: 03/02

Supply and plant, incorporating slow release fertiliser N:P:K - 4:19:10 EWNAG or similar approved at the following rates:

Feathered Trees: 100g / tree pit

Standard Trees: 100g / tree pit

Shrubs: 20g / m²

Provide and fix tree stakes and ties to the following dimensions:
Feathered Trees: overall length 1250mm; height above ground: 600mm
Standard Trees: overall length 1500; height above ground: 750mm

Provide and spread evenly over all planting areas an organic graded bark flakes or similar approved bark mulch to a depth of 50mm.

Native structure planting: Native trees/shrubs will be planted in groups of 3-8m, with 1.0m between each plant. Provide and spread evenly over all planting areas an organic graded bark flakes approved bark mulch to a depth of 50mm.

Maintenance: All landscape areas to be maintained in accordance with B.S. 7370 Part 3:1991 and Part 4:1993, including weed control, and adjustment to tree stakes and ties.

General Notes: Substitutions, if made, should be similar in size, form and water demand. Plants shall be arranged to avoid straight lines and geometric patterns.

Provisional Methodology for Chalk Grassland Establishment

Ground preparation: Pre-prepared substrate consisting of mix of sub-soil and crushed chalk (60:40 or 70:30 ratio). To be made up on site using existing screening plant and material from site. Spread to a depth of 500mm. Seeds collected from hay crop from nearby Magdalen Hill Down Nature Reserve.

Sowing: Sow in the autumn. Bulk up the seed with an inert carrier such as sand to make distribution easier. The seed must be surface sown and can be applied by machine or broadcast by hand. Rolling is not usually necessary.

Aftercare

First year management: After sowing cut as needed during the season, after which time the sowing can be managed as the established grassland as described below.

Management once established: Traditional meadow management based around a main summer hay cut in combination with autumn and possibly spring mowing. Grassland is not cut from spring through to late July/August to give the sown species an opportunity to flower.

After flowering in July or August take a 'hay cut'; cut back with a scythe, petrol strimmer or tractor mower to c.50mm. Leave the hay to dry and shed seed for 1-7 days then remove from site.

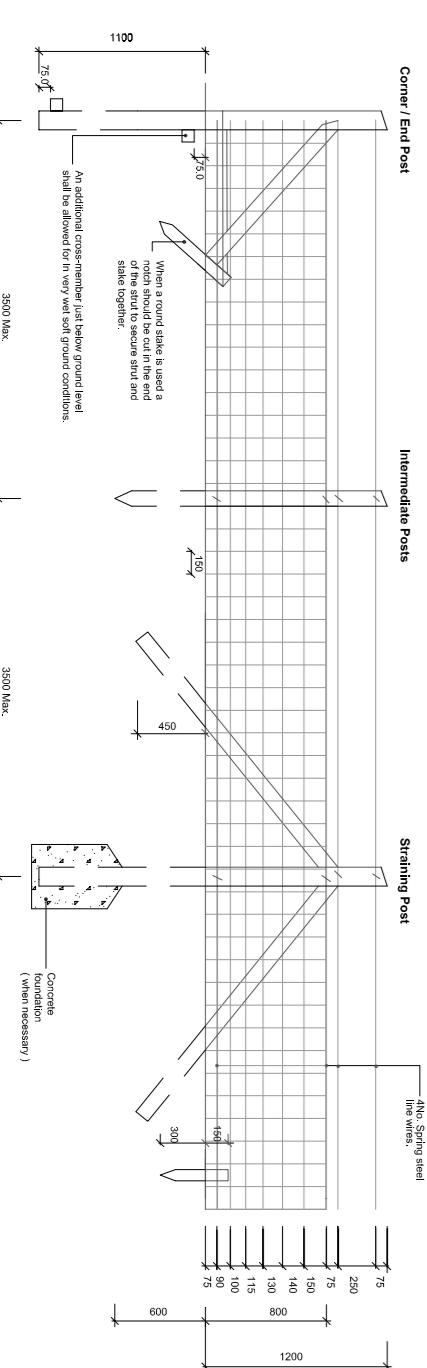
Now the re-growth through to late autumn to c.50mm and again in spring if needed.

Number	Species	Height	Specification	Density	Mix	Species Contribution
220	Sambucus nigra	40-60cm	1+0 or 1/0 - Branched	:3 brks -B:R	0.75cfr	16%
110	Corylus avellana	40-60cm	1+1 or 1/1 - Branched	:2 brks -B:R	0.75cfr	16%
110	Punus spinosa	40-60cm	1+1 or 1/1 - Branched	:2 brks -B:R	0.75cfr	8%
139	Rosastem vulgare	60-80cm	1+1 or 1/1 - Branched	:3 brks -B:R	0.75cfr	10%
110	Rosa canina	60-80cm	1+1 or 1/1 - Branched	:3 brks -B:R	0.75cfr	8%
220	Viburnum opulus	40-60cm	1+1 or 1/1 - Branched	:3 brks -B:R	0.75cfr	8%
110	Crataegus monogyna	40-60cm	1+1 or 1/1 - Branched	:3 brks -B:R	0.75cfr	16%
110	Cystis scoparius	40-60cm	Bushy	:7 brks -C	0.75cfr	8%
139	Ilex aquifolium	40-60cm	Bushy	:3 brks -C	0.75cfr	10%
Total 1:1378 No.					Total:	100%

Screening planting mix

Number	Species	Height	Specification	Density
3	Punus avium	2.0-2.5m	Feather: .5 brks -2X -B	Counted
3	Sorbus torminalis	1+2 or 1/2	Transplant: C	Counted
6	Acer campestre	1.8-2.0m	Feather: .5 brks -2X -B	Counted
4	Tilia cordata	2.0-2.5m	Feather: .5 brks -2X -B	Counted

Detail: Post and wire fence



Key

- Site boundary
- Existing features:
- Woodland and scrub
- Maintained grass
- Road
- Fence
- Proposed features:
- Storage & processing area
- Drainage system
- Soakaway
- Interceptors and holding tank
- On site vehicle movements
- Parking area and site access road
- Building
- Topsoil barn
- Wet waste drying area.
- Landscape proposals:
- Post and wire fence
- Screening bund
- Topsoil bund
- Chalk grassland
- Shrub planting mix
- Tree

Scale @ A1 - 1:200

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MAY 2017