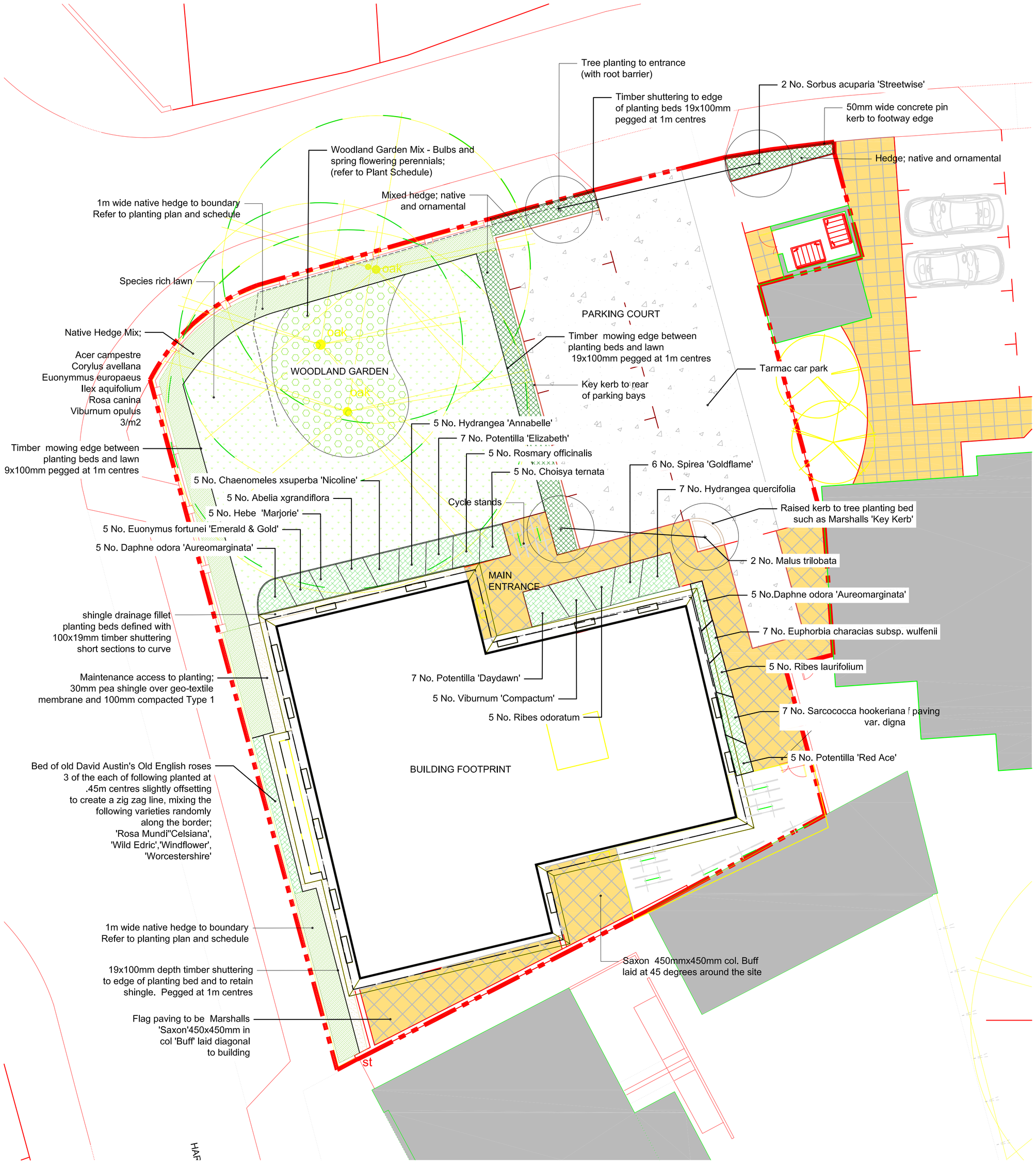



1. General Landscaping

c. All landscape work must be undertaken by a competent contractor with staff appropriately trained and with the correct equipment

2. The contractor must be satisfied that he knows the exact location of all underground services before commencing work.

3. Subsoil and topsoil
Any excavated topsoil to be re-used on site, topping up with new topsoil as necessary to BS 3882-2007. In the absence of excavated topsoil use a good quality topsoil from a local supplier such as Cowplain Turf.

4. Fertiliser and Compost
To be BSI PAS 100 approved and incorporated during cultivation to the required depth, see below.

5. Soil handling and Planting Depths
a. All excavated or imported topsoil to be handled, stored, spread and cultivated in accordance with method agreed by Landscape Architect prior to work commencing. All soils must be thoroughly cultivated by machine/hand or by hand where adjacent to tree roots, footpaths, kerbs or manhole covers. All stones greater than 40mm in diameter to removed and any surplus plant material.
b. Store subsoil and topsoil in piles no higher than 2m and when mostly dry and friable.
c. Final planting depths must allow for settlement (6%); 1m deep for tree pits, 500mm deep trench for hedges and shrubs, 500mm deep for roses.
d. Finished levels of planting to be 25mm above adjoining hard surfaces and 150mm below DPC on adjoining buildings and 200mm below stainless steel trellis system.

6. Plant Handling and Establishment Landscape Plants in accordance with JCLI and Part 3 CPSE

7. Planting Generally;
Plant stock to conform with BS3936, advanced nursery stock to BS 5236 and planting to BS 4428 'Code of Practice for General Landscape Operation'. All plants to be of excellent quality free from pests and diseases with fibrous root systems and not pot bound or damaged. Planting to be carried out in suitable conditions;

- Frost free conditions
- Plant deciduous trees from late Oct-March (Bare root and Rootballed)
- Container grown plants (shrubs, grasses and herbaceous) during favourable conditions ensuring adequate watering and weed control
- Plant bulbs from September to November unless otherwise stated

Setting out of planting to be approved by LA before planting commences. All planting beds to be 25mm above adjacent areas.

8. Mulch all beds with 50mm dressing of bulky organic matter such as 'Pro-Grow' composted bark mulch (Ensure bark is compostable rather than ornamental bark chips that may burn foilage of young plants).

9. Tree Planting
To be in accordance with detail shown. Tree pits to be minimum size of 1mx1mx1m deep with base and sides scarified, backfilled with excavated topsoil to 80% topping up with new topsoil as required and incorporating 10% of bulky organic matter/Pro-Grow and 100gm of granular fertiliser.

10. Native and Native/Ornamental Hedging
For planting density refer to Planting Schedule . Plant hedges in a trench 500mm deep x450mm / width of planting bed offsetting rows by 450mm. Scarify base and sides to enable root and water penetration. Backfill trench with excavated topsoil where it is useable, topping up with new topsoil as required. Incorporate plenty of bulky organic matter/ compost ( 10%) into planting bed, topping up with 50mm composted woodchip bark mulch also available from www.pro-grow. com.

11. Shrub Planting
Plant in prepared beds 500mm deep to areas shown on the plan or to accommodate root spread, backfilling with excavated / new topsoil as required. Incorporating 20% bulky organic matter/compost such as Hampshire County Council 'Pro-Gro' available from local recycling centres or on-line www.pro-grow.com adding 25gms fertiliser and 50mm composted bark mulch as previous.

12. Woodland Garden - Soil Preparation
Mark out extent of woodland garden that is generally beneath tree canopy. Work through existing soil loosening with a fork, carefully around tree roots. Prepare woodland soil mix by adding compostable bark mulch, mushroom compost, Pro-Grow to create a fine friable soil mix that mimics the woodland floor. The soil mix can be compacted slightly by treading. Into this mix plant the bulbs and herbaceous plants as per Plant Schedule, watering plants to field capacity following planting. For ease of mowing, a 100mm deep timber edge cut to short lengths and pegged to define extents of woodland garden can be used.

13. Turfed Garden - Prepare soil for planting by digging through top 150mm raking, treading, raking to ensure a fine tilth. Add layer 50mm layer of Pro-Grow raking through tilth and incorporating into soil mix. Lay 'Species Rich' turf from www.wildflowerturf.co.uk in spring or autumn preferably, but if irrigation is present turf can be laid in summer. (126m2 required). Lay turf as per suppliers instructions as grass turf would be laid, ensure the edges are close butted and any gaps filled with silver sand and gently rolled. Ensure edges do not dry out and curl. Irrigate regularly ensuring turf establishes .

14. Rose Border - Prepare bed as above to 500mm depth using new topsoil if exisitng topsoil is of poor quality. Incorporate 20% Pro-Grow, and mulch with 50mm composted bark mulch. Ensure all bare root plants are planted between mid-October to end of March. Container grown plants can be planted at any time of year but preferable Spring or Autumn. Soak rootball in water for a few hours prior to planting , and cut back stems by a third or to remove any leaves, old flower buds or hips, Ensure trench is deep enough to take rootball, backfill with soil, sprinkling a handful of blood, fish and bone or similar approved fertiliser when planting. Firm down soil by treading and ensure that the bud union is 25mm below soil surface.

15. Bulbs
Plant bulbs from late August to December in prepared soil of Woodland garden, encroaching slightly into areas of species rich turf.

Maintenance Generally;
Establishment and maintenance for all tree planting for 5 years following Practical Completion, and for 1 year for all other plant material. Weed control and watering, replacement planting of all failures as per original plan and in the season following failure. Plants to be pruned annually with native hedges cut back by a third following planting and then twice a year in winter and late summer to establish bushy growth. Add 25gms of fetiliser to all plants each spring which can be in form of pelleted feed.

Check tree ties and shrub and hedge growth/condition on a regular basis, removing post rail fence and tree ties when necessary.

Lawn
Prior to laying species rich lawn check canopy height of Oak trees ensuring that where necessary branches below 3m are cut back to allow ambient light to penetrate canopy to ground level.

Lawn can be mown in a traditional way through the growing season, or can be left for longer for the species mix to show through. Fertilise lawn in autumn and spring with general purpose lawn food. Remove cuttings from lawn.

Trees
Ensure that trees are watered on a regular basis to field capacity throughout the growing season until established. Check trees during times of droughtadjusting watering regime as required, and during times of heavy rainfall . Formative pruning in first five years will establish a please and even profile. Reduce back leader branches to formation . Re-mulch in autumn with Pro-Grow/Composted bark mulch, and feed in spring with Growmore or similar approved fertiliser

Hedges
Whilst planting erect a double row of post (Chestnut) and wire fence support to protect hedge during establishment. Tie plants to wire with horticultural ties. Trim hedges as required following planting. Hedge species to be planted in groups of 3-5 per species in a sequential order.
Cut back as required in first few years, to encourage bushy growth, and in case of Cornus, stem colour. Once established top of hedge should be cut at an angle leading into the garden space. Re-mulch beds in autumn and spring with Pro-Grow to a depth of 75mm

Shrubs and Rose Border
A little formative pruning and some tidying as required in first few years, with increase in pruning following stronger growth after establishment. Re-mulch beds in autumn and spring with Pro-Grow or composted bark mulch .

Woodland Garden
Tidy, and re-mulch on a yearly basis as above. Some bulbs and herbaceous plants may need splitting after a few years.

PLANT SCHEDULE

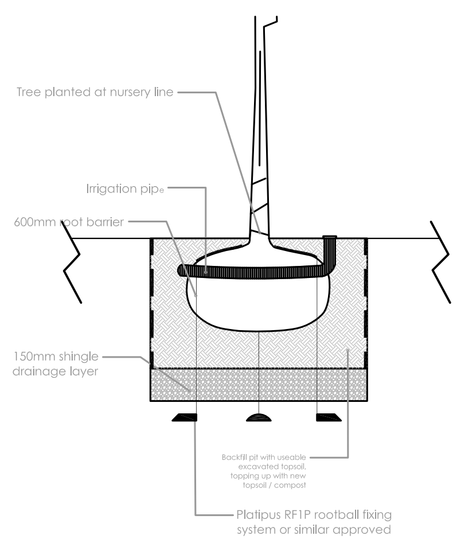
| Species; | Size/Grade | Overall Height/Spread | Root Condition/ Container Size | Density lin m/ m2 | Total |
|---|---|---|---|---|---|
| **Trees** | | | | | |
| Malus trilloba | 16-18cm girth | 6m x 3m | RB | | 2 |
| Sorbus aucuparia 'Streetwise' | 18-20cm girth | 7m x 3m | RB | | 2 |
| | | | | | |
| **Native Hedging; plant in groups of 5 per species in sequential order; in 2 staggered rows approx. 450mm apart** | | | | | |
| Acer campestre | 40-60cm | 1.5mx1.5m | BR Tr. | 3 per sq m | 24 |
| Corylus avellana | 30-40cm | 1.5mx1.5m | BR Tr. | 3 per sq m | 24 |
| Euonymus europaeus | 30-40cm | 3mx3m | BR Tr. | - | 24 |
| Ilex aquifolium | 15-20cm | 2mx2m | BR Tr. | - | 24 |
| Lonicera periclymenum (climber) | 60-90cm | up to 10m ht. | BR Tr. | 1 per lin. m | 10 |
| Rosa canina | 40-60cm | up to 10m ht. | BR Tr. | " | 10 |
| Viburnum opulus | 40-60cm | 1.5mx3m | BR Tr. | 3 per sq m | 24 |
| **Hedging rear of parking bays; plant in groups of 5 per species in sequential order; in 2 staggered rows approx. 450mm apart** | | | | | |
| Cornus 'Sibirica Variegata' | 40-60cm | 1.5mx1.5m | 3 lt. CG | 3 per sq m | 12 |
| Cotoneaster serotinus | 40-60cm | 2mx2m | 2 lt. CG | - | 12 |
| Pyracantha 'Soleil d'Or' | 40-60cm | 3mx3m | 2lt. CG | - | 12 |
| Fatshedera xLizei variegata | 15-20cm | 2mx2m | 3 lt. CG | - | 12 |
| Viburnum xbodnantense 'Dawn' | 40-60cm | 2mx3m | 3 lt. CG | - | 12 |
| | | | | | |
| **Shrubs; Plant as per sequence on planting plan** | | | | | |
| Abelia xgrandiflora | 30-40cm | 1.5m | 3 lt. CG | 3/m2 | 5 |
| Chaenomeles xspeciosa | 30-40cm | 1.5m | 2 lt. CG | 3/m2 | 5 |
| Cistus 'Sundance' | 30-40cm | 1.5m | 2 lt. CG | 3/m2 | 5 |
| Daphne odorata | 30-40cm | 1.5m | 2 lt. CG | 3/m2 | 5 |
| Euonymus 'Emerald and Gold' | 30-40cm | 1.5m | 2 lt. CG | 3/m2 | 5 |
| Euphorbia wulfenii characais | 30-40cm | 1.2m | 2 lt. CG | 5/m2 | 7 |
| Hebe 'Marjorie' | 30-40cm | 1m | 2 lt. CG | 3/m2 | 5 |
| Hydrangea 'Annabelle' | 30-40cm | 1.5m | 3 lt. CG | 3/m2 | 5 |
| Hydrangea quercifolia | 30-40cm | 1.5m | 3 lt. CG | 3/m2 | 6 |
| Potentilla 'Elizabeth' | 20-30cm | 1.5m | 2 lt. CG | 5/m2 | 7 |
| Potentilla 'Red Ace' | 20-30cm | 1.5m | 2 lt. CG | 5/m2 | 5 |
| Ribes odoratus | 40-60cm | 1.5m | 3 lt. CG | 3/m2 | 5 |
| Ribes laurifolium | 20-30cm | 1.5m | 2 lt. CG | 3/m2 | 5 |
| Rosmarinus 'Severn Sea' | 20-30cm | 1m | 2 lt. CG | 3/m2 | 5 |
| Spirea 'Goldflame' | 20-30cm | 1m | 2 lt. CG | 5/m2 | 7 |
| Sarcococca hookerlana var. digyna | 20-30cm | 1.2m | 3 lt. CG | 5/m2 | 7 |
| | | | | | |
| **Old English Rose Border; Plant varieties in a random mix through the narrow south facing border @45cm centres** | | | | | |
| Celsiana | | 1.5x1.5m | 4 lt. CG/BR | .75cm centres | 3 |
| Rosa Mundi | | 1.2x1.2m | 4 lt. CG/BR | .75cm centres | 3 |
| Wild Edric | | 1.2x1.2m | 4 lt. CG/BR | .75cm centres | 3 |
| Windflower | | 1.2x90cm | 4 lt. CG/BR | .75cm centres | 3 |
| Worcestershire | | 60x90cm | 4 lt. CG/BR | .75cm centres | 3 |
| | | | | | |
| **Herbaceous; Plant 3 of each variety randomly across woodland garden** | | | | | |
| Ajuga reptans 'Atropurpureum' | | | .5 lt. CG | | 3 |
| Convallaria majalis | | | .5 lt. CG | | 3 |
| Dicentra spectabilis 'Alba' | | | 1.5 lt. CG | | 3 |
| Digitalis purpureum | | | 1 lt. CG | | 3 |
| Erythronium dens-canis | | | .5 lt. CG | | 3 |
| Geranium 'Johnson's Blue' | | | 1 lt. CG | | 3 |
| Helleborus niger | | | 1 lt. CG | | 3 |
| Helleborus orientalis | | | 1 lt. CG | | 3 |
| Lamium maculatum | | | .5 lt. CG | | 3 |
| Polygonatum xhybridum | | | .5 lt. CG | | 3 |
| Pulmonaria saccharata | | | .5 lt. CG | | 3 |
| Primula vulgaris | | | .5 lt. CG | | 3 |
| Trillium ovatum | | | 1.5 lt. CG | | 3 |
| Viola odorata | | | .5 lt. CG | | 3 |

| Bulbs; Plant bulbs in groups around herbaceous plants and as per instructions below; | | |
|---|---|---|
| Anemone nemerosa | Plant in groups of 10 beneath tree | 50 |
| Chionodoxa lucillae | Plant in groups of 20- beneath tree and extending into lawn | 100 |
| Crocus spp. | Plant in groups of 30-50 beneath tree and extending into lawn | 300 |
| Cyclamen coum | Plant corms in groups of 3-5 around tree trunk and extend into lawn beneath canopy | 18 |
| Galanthus nivalis | Plant corms in groups of 3-5 around tree trunk and extend into lawn beneath canopy | 100 |
| Iris cristata | Plant in groups of 10 beneath tree | 100 |
| Narcissus pseudonarcissus | Plant bulbs in groups of 10 around tree trunk & extend into lawn beneath canopy | 100 |

Key

- Existing Oak tree to be retained
- New tree planting
- Native hedge
- Native / Ornamental hedge
- Shrub planting
- Species rich wildflower lawn
- Woodland garden
- 10mm shingle over geotextile membrane
- Bitmac
- Marshalls Saxon flags col. Buff 450x450mm laid diagonally (no cross joints)
- 19x100mm tanalised timber shuttering pegged at 1m centres, or cut to curve and pegged

Root Barrier and Irrigation System for Street Tree Planting
Scale 1:20

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|---|---|
| **Project:** - Brewmaster Site Landscape Proposals | |
| **Drawing Title:** Planting Plan and Plant Schedule | |
| **Purpose:** Planning | |
| **Dwg. No.** 089-5400 | Chris Flint |
| **Scale:** 1:100 @ A1 | **Date:** 11.3.2015 |