

FOR CONTINUATION REFER LLA DWG I619 A3 05



- LEGEND**
- Proposed root barrier (Green Blue Urban ReRoot 2000 or similar approved)
 - Proposed Trees in hard landscape
 - Proposed Trees in soft landscape
 - Proposed Specimens
 - Hedging
 - Shrub/herbaceous planting
 - Bulbous planting
 - Grass: Wildflower
 - Grass: Mown
 - Phase 5 Highway boundary

GENERAL NOTES

This drawing is to be used for planting information only and is subject to alteration through changes to the site layout or until approved by the area designer.

Any species substitution by the contractor must be verified with the Landscape Architect through the Job Architect.

This layout must be checked in accordance with NHC Standards 2013 (Chapter 4.2 - Building Near Trees & Chapter 9.2 - Drives, Paths and Landscaping by the Regional Engineer prior to implementation.

Excavations: Contractors must ensure that they have full information relating to service and drainage positions before undertaking any excavations.

Root barriers to be used in association with tree planting adjacent to kerbs / services / footpaths etc. (Greenleaf ReRoot products or similar application, in accordance with manufacturer's instructions).

NOTES:

Please note all planting mixes should be planted as follows: Shrubs/Grasses to be planted in groups of 3-5 with herbaceous to be planted randomly throughout mix area.

Final tree location to be confirmed with services.

FOR CONTINUATION REFER LLA DWG I619 A3 01,02

LANDSCAPE SPECIFICATION

SITE PREPARATION

Topsoil
Existing topsoil shall be stripped before building works begin. Imported topsoil shall be to BS3882: 2007 Specification for Topsoil and Requirements for Use. Topsoil shall be multi-purpose grade, of medium texture, with a high proportion of fertile loamy material. It shall be free from subsoil, rubbish, rubble, contamination, roots of perennial weeds and other materials injurious to plant growth. The maximum stone content of the soil shall be 20%, with the maximum size of stone 25mm in any one dimension. All topsoil shall be stacked in heaps, not exceeding 2m high. During storage, topsoil heaps shall be kept free from compaction, contamination and weeds.

Excavation
Excavation shall NOT be undertaken within the root protection area of any existing trees or shrubs to be retained. Unless otherwise indicated areas to be planted / seeded shall be cleared of all surface rubbish and excavated to the dimensions below finished level as follows, when the soil is not waterlogged or frozen. Ensure the location of all services is known before any excavation operations.

Tree pits: 1000 x 1000 x 800mm deep unless otherwise shown
Shrub and hedge pit / trench: 450mm deep
Grass areas: 300mm deep
Wildflower grassland areas: Excavate to finished levels

The base of excavated areas shall be forked or otherwise cultivated to a depth of 150mm to facilitate drainage and all bricks, stones and other debris, etc. over 75mm in any one dimension shall be removed. Similarly, areas trafficked by construction vehicles shall be ripped to a depth of 150-300mm to relieve compaction.

Backfilling with Subsoil
Where excavated areas are lower than the required depths, excavations shall be backfilled with selected subsoil and lightly consolidated to make up levels. Selected subsoil shall be friable, second quality topsoil or similar and be free of rubbish, roots, stones over 75mm in any one dimension, perennial weeds or other materials injurious to plant growth.

Backfilling with Topsoil
Tree, shrub and hedge pit / trench excavations shall be backfilled, in layers, with clean topsoil (as specified above) thoroughly mixed with planting compost e.g. 'Melcourt Topgrow' compost at a rate of 20 litres/m³. An approved tree and shrub fertilizer shall be added to topsoil, prior to backfilling tree pits. Grass areas (excluding wildflower grassland areas) shall be backfilled with topsoil in layers of 150mm depth.

Cultivation
Prior to cultivation if planting / seeding areas are weed infested, weed growth to be trimmed, the arisings removed and re-growth treated with an approved herbicide ie Glyphosate. Treatment to be undertaken in the growing season preceding planting, at a minimum 4 weeks prior to works to allow for repeat treatment if necessary.

Cultivation shall not be undertaken within the root protection area of any trees / shrubs to be retained, without prior agreement from the Local Planning Authority. Topsoil shall be cultivated by hand or machine prior to planting, with minimal compaction by machine. Cultivate to the following depths and tith, removing all rubbish, vegetation, perennial weeds, roots, stones over 25mm in any one dimension and rake to even levels.

Planting areas: 300mm deep cultivation to medium tith
Grass seeding areas: 150mm deep cultivation to fine tith raked to a smooth evenly firmed bed
Turf areas: 150mm deep cultivation to medium tith raked to a smooth evenly firmed bed
Wildflower grassland areas: 150mm deep cultivation to medium tith raked to a smooth evenly firmed bed

Wildflower grassland areas: Where un-excavated areas are to be seeded with wildflower grassland mix the topsoil shall be cultivated to turn the soil over to a depth of 300mm to bring subsoil to the surface. Elsewhere, excavated areas to be seeded with wildflower grassland mix to be backfilled to finished levels with subsoil (as above).

GRASS AREAS

Turf
Turf shall accord with BS 3969: 1998. It shall be good quality meadow / cultivated, amenity turf free from weeds and be laid on even, prepared ground (as detailed above), during periods of suitable warm and moist weather conditions. Pre-turfing fertiliser shall be applied to manufacturer's recommendations and turf shall be laid in accordance with BS 4428: 1989.

Turf
Turf shall be laid with broken joints well-butted up, working from timber planks to avoid damaging turf when laying. Water as necessary to avoid shrinkage and achieve satisfactory establishment. Undertake good horticultural practice to ensure establishment of a healthy grass sward.

Grass Seeding
Areas of amenity grass shall be seeded with a general amenity grass mix as specified during the period March to May or September to October, during periods of moist, warm weather conditions without significant wind. Pre-seeding fertiliser shall be applied to manufacturer's recommendations. Seed shall be sown on even, prepared ground (as detailed above), at a rate of 35g/m² or as specified, in two transverse operations. Lightly roll seed bed after sowing. Water as necessary to avoid shrinkage and achieve satisfactory establishment. Undertake good horticultural practice to ensure establishment of a healthy wildflower grass sward.

AFTERCARE PERIOD

Regular Visits
During the specified Aftercare Period maintenance visits shall be carried out, at least monthly from April to September and twice during the dormant season to carry out the following operations to establish healthy growing plants / grass in weed free areas: watering, firming-up, removal of litter, pest and disease control, general pruning, checking growth, ties and stakes, weed control, grass cutting and autumn tidying. All arisings shall be carted away and the site shall be left clean and tidy at all times.

Watering
All planting and grass areas shall not be allowed to dry out and shall be kept well watered during the growing season, ensuring the soil is kept moist at all times but avoiding waterlogging.

Replacement Planting
During each August within the Aftercare Period an inspection shall be made and all plants that have died, are missing, damaged or have failed to thrive, shall be noted and replaced in the following planting season.

Grass Cutting
All planting and subsequent growing seasons amenity grass shall be kept at a height of 25mm to 50mm. Any bare patches are to be reseeded. Selective weed control shall be undertaken as necessary once the sward is sufficiently established.

Wildflower Grassland Cutting
During the first growing season cut wildflower grassland every 2 months to a height of 50mm and in subsequent growing seasons cut to 50mm height during late March and late August / early September or as specified. All arisings shall be collected and removed from the site to avoid smothering the sward and to reduce nutrient levels. Spot treat perennial weeds with Glyphosate at the manufacturer's recommended dose rate / or as specified.

TREES

| Number | Plant Name | Height | Girth | Specification |
|--------|--|-----------|---------|---|
| 14 No. | Beuils pendula 'Fastigata' | 400-450cm | 16-18cm | Extra Heavy Standard; 3x: RB: Clear Stem min. 200cm |
| 15 No. | Acer campestre 'Sireetwise' | 500-550cm | 10-15cm | Extra Heavy Standard; 3x: RB: Clear Stem min. 200cm |
| 8 No. | Amandancher x grandiflora 'Robin Hill' | 450-500cm | 18-20cm | Extra Heavy Standard; 3x: RB: Clear Stem min. 200cm |
| 1 No. | Quercus robur | 550-600cm | 25-30cm | Semi-Nature; 4x: RB: Clear Stem min. 200cm |
| 28 No. | Pyrus calleryana 'Chanticleer' | 500-550cm | 10-25cm | Semi-Nature; 3x: RB: Clear Stem min. 200cm |
| 8 No. | Acer campestre 'Sireetwise' | 400-450cm | 18-20cm | Extra Heavy Standard; 3x: RB: Clear Stem min. 200cm |

Total: 74 No.

HEDGING

| Number | Plant Name | Height | Container | Specification | Density |
|----------|--------------------------------|-----------|-----------|---------------------|------------------|
| 2023 No. | Buxus sempervirens | 35-40cm | SL | Bushy; 8 brks: C | 3/m ² |
| 517 No. | Buxus sempervirens | 30-40cm | SL | Bushy; 8 brks: C | 5/m ² |
| 485 No. | Carpinus betulus | 100-125cm | SL | Branches; 5 brks: C | 3/m ² |
| 73 No. | Carpinus betulus | 100-125cm | SL | Branches; 5 brks: C | 5/m ² |
| 76 No. | Escallonia 'Donard Seeding' | 40-60cm | SL | Bushy; 5 brks: C | 5/m ² |
| 258 No. | Photinia x fraseri 'Red Robin' | 40-60cm | S-7.5L | Branches; 6 brks: C | 3/m ² |

Total: 3441 No.

SHRUBS

| Number | Plant Name | Height | Container | Specification | Density |
|---------|--|-----------|-----------|--|------------------|
| 30 No. | Aucuba japonica 'Crotomifolia' | 40-60cm | SL | Bushy; 3 brks: C | 3/m ² |
| 25 No. | Buddleya davidii | 60-80cm | SL | Branches; 5 brks: C | 3/m ² |
| 65 No. | Chionodoxa 'Azzaz Pearl' | 30-40cm | SL | Bushy; 6 brks: C | 3/m ² |
| 60 No. | Cornus alba 'Spathel' | 60-80cm | SL | Branches; 4 brks: C | 2/m ² |
| 7 No. | Cotinus coccinea 'Royal Purple' | 60-80cm | 10L | Branches; 5 brks: C | 1/m ² |
| 28 No. | Euonymus fortunei 'Emerald n' Gold' | 25-30cm | S-7.5L | Bushy; 9 brks: C | 3/m ² |
| 140 No. | Euonymus fortunei 'Silver Queen' | 20-30cm | SL | Bushy; 7 brks: C | 3/m ² |
| 72 No. | Hebe 'Red Edge' | 5-7.5L | S-7.5L | Bushy; 7 brks: C | 3/m ² |
| 110 No. | Hebe rakaiensis | 5-7.5L | S-7.5L | Bushy; 7 brks: C | 3/m ² |
| 29 No. | Hypericum moseratum 'Tricolor' | 5-7.5L | S-7.5L | Bushy; 7 brks: C | 3/m ² |
| 13 No. | Laurus nobilis | 150-175cm | 30-35L | Ball on Stem; Topiary Half Standard; Ball diameter 50-60cm; C: Clear Stem 90-120cm; Neatly Clipped | Counted |
| 227 No. | Lavandula angustifolia 'Hydcoke' | 20-30cm | SL | Bushy; 7 brks: C | 3/m ² |
| 2 No. | Magnolia stellata | 100-125cm | 25L | Branches; 5 brks: C | Counted |
| 17 No. | Pachysandra terminalis 'Green Carpet' | 40-60cm | SL | Several Shoots; 11 brks: C | 3/m ² |
| 43 No. | Philomelic frutescens | 30-40cm | S-7.5L | Branches; 5 brks: C | 3/m ² |
| 11 No. | Rosmarinus officinalis 'Miss Jessop's Upright' | 40-60cm | 10L | Bushy; 7 brks: C | 3/m ² |
| 41 No. | Rosmarinus officinalis 'Severn Sea' | 40-60cm | SL | Bushy; 5 brks: C | 3/m ² |
| 8 No. | Ruscus aculeatus | 30-40cm | 3L | Several Shoots; 3 brks: C | 4/m ² |
| 107 No. | Santolima chamaecyparissus | 30-40cm | SL | Bushy; 8 brks: C | 3/m ² |
| 29 No. | Sarcococca confusa | 25-30cm | S-7.5L | Bushy; 9 brks: C | 3/m ² |
| 67 No. | Skimmia japonica 'Kew White' | 30-40cm | SL | Bushy; 4 brks: C | 3/m ² |
| 8 No. | Spiraea japonica 'Goldflame' | 30-40cm | S-7.5L | Bushy; 7 brks: C | 3/m ² |
| 94 No. | Viburnum davidii | 30-40cm | S-7.5L | Bushy; 4 brks: C | 3/m ² |
| 6 No. | Viburnum davidii | 30-40cm | S-7.5L | Bushy; 4 brks: C | 2/m ² |
| 26 No. | Viburnum sinus 'Eve Price' | 30-40cm | SL | Bushy; 5 brks: C | 3/m ² |
| 117 No. | Vincetoxicum | 5-7.5L | S-7.5L | Several Shoots; 5 brks: C | 3/m ² |
| 6 No. | Vincetoxicum | 5-7.5L | S-7.5L | Several Shoots; 5 brks: C | 2/m ² |

Total: 1988 No.

FERNS

| Number | Plant Name | Container | Specification | Density |
|--------|----------------------|-----------|---------------|------------------|
| 42 No. | Dryopteris filix-mas | 3L | Full Pot: C | 2/m ² |

Total: 42 No.

TOPIARY

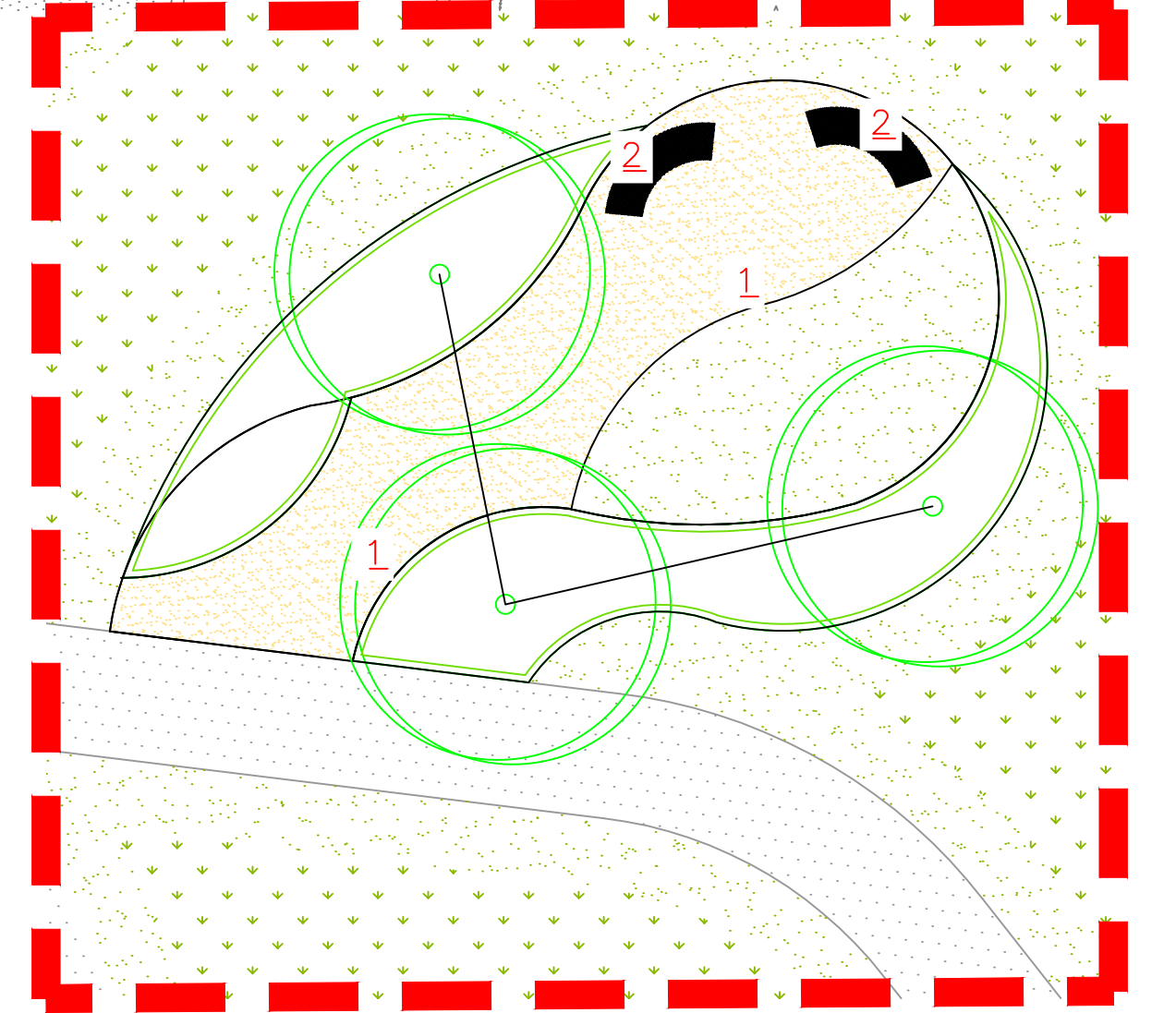
| Number | Plant Name | Height | Container | Specification | Density |
|--------|----------------|-----------|-----------|--|---------|
| 13 No. | Laurus nobilis | 150-175cm | 30-35L | Ball on Stem; Topiary Half Standard; Ball diameter 50-60cm; C: Clear Stem 90-120cm; Neatly Clipped | Counted |

Total: 13 No.

GRASSES

| Number | Plant Name | Height | Container | Specification | Density |
|----------|------------------|---------|-----------|---------------|------------------|
| 1423 No. | Carex buchananii | 40-60cm | SL | Full Pot: C | 5/m ² |

Total: 1423 No.



PHASE 5 LAP @ 1:100



HERBACEOUS

| Number | Plant Name | Container | Specification | Density |
|--------|-------------------------------------|-----------|---------------|------------------|
| 20 No. | Anemone hepatica 'Prinz Heinrich' | 3L | Full Pot: C | 4/m ² |
| 7 No. | Bergenia 'Breslingham Ruby' | 3L | Full Pot: C | 5/m ² |
| 16 No. | Bergenia 'Silverbird' | 3L | Full Pot: C | 5/m ² |
| 58 No. | Helianthus purpureus 'White Swan' | 3L | Full Pot: C | 4/m ² |
| 28 No. | Helianthus 'The Bishop' | 3L | Full Pot: C | 4/m ² |
| 21 No. | Helianthus 'The Bishop' | 3L | Full Pot: C | 4/m ² |
| 24 No. | Hemerocallis 'Crimson Pirate' | 3L | Full Pot: C | 3/m ² |
| 10 No. | Hemerocallis 'Safford' | 3L | Full Pot: C | 4/m ² |
| 79 No. | Heuchera 'Chocolate Ruffet' | 3L | Full Pot: C | 4/m ² |
| 54 No. | Heuchera micrantha 'Palace Purple' | 3L | Full Pot: C | 4/m ² |
| 55 No. | Iris 'Black Swan' | 3L | Full Pot: C | 3/m ² |
| 42 No. | Rudbeckia fulgida 'Goldsturm' | 3L | Full Pot: C | 3/m ² |
| 7 No. | Saxifraga 'Big Ear' | S-7.5L | Full Pot: C | 2/m ² |
| 11 No. | Thymus x citriodorus | SL | Full Pot: C | 4/m ² |
| 5 No. | Thymus x citriodorus 'Silver Queen' | 3L | Full Pot: C | 4/m ² |

Total: 816 No.

BULBS

| Number | Plant Name | Specification | Density |
|----------|---------------------------|---------------|-------------------|
| 435 No. | Allium 'Purple Sensation' | Full Pot: C | 3/m ² |
| 1861 No. | Narcissus pseudonarcissus | Grade S16 | 10/m ² |

Total: 2296 No.

Rev **Date** **Description**

A 04.08.15 Change to Plant Schedule

B 07.08.15 New layout / planting amendments

C 13.05.16 New layout / planting amendments

D 17.05.16 Planting amendments

E 18.05.16 New layout / planting amendments

F 19.05.16 Planting amendments

Title: Detailed Planting Proposals

Sheet: 5 of 2

Project: Hatched park, Booster panel 5

Client: Dochester Living

Date: June 13 2009

Scale: 1:1000

Drawing No: I619 A3 F

Author: LIZ LAKE ASSOCIATES

