PLANTING SPECIFICATION WITH PLANTING SCHEDULES INCLUDING TREE PLANTING IN PAVED AREAS

Planting, Planting Schedules & 12 Months Defects Liability Period for Tree, Shrub & Hedge Planting.

at

Fairfield House
West Green Drive
Crawley.

prepared for:

A2 Dominion Developments Ltd
Chilsey House,
Chilsey Green Road,
Chertsey, Surrey,
KT16 9HB

July 2014
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LANDSCAPE SPECIFICATION:
Planting, Planting Schedules & 12 Months Maintenance & Defects Liability.

INTRODUCTION

a. Contract Documents: the following specification is to be read in conjunction with the Contract Documents.

b. Drawings: this specification is to be read in conjunction with the following drawings:

- 14028/200 Landscape Proposals Planting Plan.
- 14028/210 Tree Planting Detail for Trees in Paved Areas.

c. Setting Out: a number of key setting out dimensions for soft landscaping are illustrated on the drawing. Please refer to the Landscape Architect prior to setting out.

d. Contract Administrator (CA): this is the project Landscape Architect.
Section A: Seeding.

1. GENERAL INFORMATION / REQUIREMENTS: all work to be undertaken in accordance with the requirements of BS 4428 : 1989 Code of practice for general landscape operations.

1.1 PROGRAMME - SEEDING: undertake to the agreed programme.

1.2 TOPSOIL AREAS:
The seeding areas will all have been topsoiled to give a minimum depth of topsoil following settlement of 250mm, and will be ready for final cultivation.

1.3 TOPSOIL:
At the time of starting the work the areas to be seeded will be covered by:
- Topsoil prepared as necessary by the Main Contractor so that it is in a suitable state for the cultivation operations specified in this section.

1.4 CLIMATIC CONDITIONS:
Carry out the work during appropriate seasons and while soil and weather conditions are suitable for the relevant operations.

1.5 MACHINES AND TOOLS: Use only machinery and tools suitable for the site conditions and the work to be carried out. Use hand tools around trees, plants and in confined spaces where it is impracticable to use machinery.

1.6 WATER:
Water will be provided by the Main Contractor up to Practical Completion of the Main Contract Works and/or thereafter by the Employer, in each case subject to availability of supply.

1.7 WATER
- Quantity: Wet to the full depth of topsoil.
- Application: Even and without displacing seed, seedlings or soil.
- Use a fine sprinkler, oscillating spray or equal approved method of watering.
- Frequency: As necessary to ensure the establishment and continued thriving of all seeding/turfing.

1.8 DROUGHT CONDITIONS
- Timing: If water supply is or is likely to be restricted by emergency legislation do not carry out seeding/turfing until instructed. If seeding/turfing has been carried out, obtain instructions on watering.

1.9 SETTING OUT: Clearly mark boundaries of seeding areas. Obtain approval before starting work.
1.10 CHEMICALS GENERALLY:
- Use only where specified or approved and then only products on the current list authorised by The Chemicals Regulation Directorate (CRD) of Health and Safety Executive (HSE - pesticides.gov.uk).
- Where work is near water, drainage ditches or land drains, comply with the HSE's Chemicals Regulation Directorate requirements.
- Observe all precautions recommended by the manufacturer and remove containers from site immediately they have been emptied or are no longer required immediately they have been emptied or are no longer required.
2. PREPARATION / CULTIVATION:

2.1 HERBICIDE:
- A type recommended for the purpose in the current list of The Chemicals Regulation Directorate (CRD) of Health and Safety Executive (HSE - pesticides.gov.uk), Glyphosate based systemic herbicide.
- Manufacturer: Inform LANDSCAPE ARCHITECT of Manufacturer.
- Apply to perennial weeds; allow a period of time to elapse as recommended by the manufacturer before cultivation.

2.2 COMPOST TO GRASSED AREAS – not applicable.

2.3 CULTIVATION:
- Break up any compacted topsoil to full depth.
- Undertake cultivation when the soil surface is dry. Do not cultivate if there is frost or if the ground is frozen.
- Relieve surface compaction by shallow cultivation to produce an open fissured texture immediately prior to seeding.

2.4 GRADING:
- When topsoil is reasonably dry and workable grade to smooth, flowing contours with falls for adequate drainage.

2.5 FERTILISER TO SEEDED AREAS: apply fertiliser to all areas to be grassed in accordance with the seed manufactures / turf suppliers recommendations.
3. **SEEDING:**

3.1 **SEEDING:** to all grassed areas noted on the drawings and also any areas disturbed during the works, or as otherwise directed by the CA:
- Mixture: A4 (Low Maintenance Areas).
- Supplier and reference: Germinal Seeds GB, Camp Road, Witham St. Hughes, Lincoln, LN6 9QJ. Ring: (01522) 868714. FAX: (01522) 868714. E-mail: Lincoln@germinal.com
- Rate of application: 35g per m².
- Sowing: Sow in accordance with Germinal Seeds GB recommendations.

3.2 **MIXTURE BREAKDOWN**
- CORAIL Strong Creeping Red Fescue 40%
- RAISA Chewings Fescue 30%
- ABERFLEECE Sheeps Fescue 25%
- HIGHLAND Bent Grass 5%

3.3 **QUALITY OF SEED:**
- Purchase fresh seed for each growing season and do not use seed purchased for previous seasons.
- Germination capacity: Not less than 80%.
- Purity of mixture: Not less than 90%.
- Total weed seed content: Not more than 0.5%.
- Total content of other crop seeds: Not more than 1%.
- When requested submit results of testing for germination, purity and composition carried out by an Official Seed Testing Station.

3.4 **SOWING:**
- Do not sow seed in January, February or late May to the end of September. Do not sow if the ground is frozen, very wet or during periods of drought.
- Spread seed evenly at the specified rate(s) applied in two equal sowings in transverse directions.
- Do not incorporate or cover the seed but firm in with a roll using a lightweight roller, or by treading, to give good soil/seed contact.
- On light soils roll and cross roll after seeding.

3.5 **PRE-EMERGENT HERBICIDE:** None required.
4. PROTECTING / WATERING / CUTTING (BEFORE & AFTER PRACTICAL COMPLETION).

4.1 FIRST CUT OF NEW SEEDED AREAS:
- When grass is approximately 60mm high remove debris, litter and all stones and clay balls larger than 25mm in any dimension.
- When grass is reasonably dry, cut to approximately 30mm high. Remove arisings from grass areas.

4.2 GRASS CUTTING EQUIPMENT:
- The Contractor is to advise the CA of the type of grass cutting equipment he is proposing to use on site. This will be subject to the approval of the CA. Where Strimmers are proposed these must be fitted with a guard and the operator must be fully experienced.

All plant material and tree guards damaged by poor strimming or mower damage will be replaced by the Landscape Contractor at his cost.

4.3 MAINTENANCE CUTTING: Signing in.
- At the commencement of each visit the Contractor shall sign in at the service station shop/site office and shall sign out prior to leaving.
- Visits not so recorded will be deducted from the contract sum.

4.4 GRASS CUTTING – NEW &EXISTING GRASS AREAS:
- Between the first cut and the end of the maintenance period the Contractor shall allow for cutting the new and existing grassed areas noted on the drawing as follows:

  All grass areas: cut 12 times between March and October. Additional cuts may be instructed by the CA.

- Cut with machinery and to heights as specified for the first cut.

4.5 CLEANLINESS: Remove soil / cuttings from all hard surfaces and leave the works in a clean, tidy condition following each visit.
5. MAKING GOOD DEFECTS / MAINTENANCE (AFTER PRACTICAL COMPLETION).

5.1 FAILURES OF SEEDED AREAS (Before Practical Completion):
- Bare areas and areas of dead grass which are apparent at Practical Completion will be regarded as defects and must be made good by re-cultivation and re-seeding at times agreed with the CA.

5.2 FAILURES OF SEEDING (After Practical Completion):
- Bare areas and areas of dead grass which become apparent within the period stated in the Contract will be regarded as defects due to materials or workmanship not in accordance with the Contract. They must be made good by re-cultivation and re-seeding at times agreed with the CA.

5.3 GRASS MAINTENANCE:
Throughout the Defects Liability Period carry out maintenance of the grass areas as detailed in Section 4 above.

5.4 WEED & FEED FERTILIZER APPLICATIONS: TO ALL SEEDED/TURFED AREAS
- Fertilizer Applications: confirm to the CA the dates when the seed/turf supplier recommends that fertilizer applications are applied in the year following sowing along with the types of fertilizer and weed treatment to be applied and the rate of application.
- Programme: supply the CA with a programme at the start of the maintenance period detailing when fertilizer applications will be made.
Section B: Planting Specification

1. GENERAL INFORMATION / REQUIREMENTS: all work to be undertaken in accordance with the requirements of BS 4428 : 1989 Code of practice for general landscape operations.

1.1 PROGRAMME – PLANTING: to be agreed and subject to confirmation by the Contract Administrator (CA).

Planting to take place within the first planting season following the completion of building and hard landscape works.

1.2 CLIMATIC CONDITIONS / PLANTING PERIODS
Carry out the work while soil and weather conditions are suitable for the relevant operations. Transplant only during the following periods:
- Deciduous trees & bare rooted stock - November to 31 February.
- Container grown Shrubs, Conifers and Evergreens - October to 31 February.
- Containerised, pot grown and root balled plants: October to 31 February.

1.3 MACHINES AND TOOLS
Use only machinery and tools suitable for the site conditions and the work to be carried out. Use hand tools around trees, plants and in confined spaces where it is impracticable to use machinery.

1.4 WATER
This will be provided by the Employer subject to availability of supply.

1.5 DROUGHT CONDITIONS
If water supply is or is likely to be restricted by emergency legislation:
- Inform CA without delay and ascertain availability and additional cost of second class water from a sewage works or other approved source.
- If planting has not been carried out, do not do so until instructed.
- If planting has been carried out, obtain instructions on supply of water.

1.6 NOTICE TO CA
Make advance arrangements with CA to give him the opportunity of being present during:
- Setting out
- Ground cultivation
- Application of fertiliser
- Planting of trees, shrubs and hedges.
- Planting of trees into previously dug pits
- Each site visit during maintenance period.
1.7 SETTING OUT
- A number of key setting out dimensions for soft landscaping are illustrated on the drawing. Please refer to the CA prior to setting out.
- Clearly mark boundaries of shrub and hedge planting areas and the location of individual on-site tree planting.
- Clearly mark the locations of tree planting within paved areas (6 no. trees) where it is required to install the GreenBlue Urban ‘StradaCell’ Modules.
- Obtain approval before starting work.

1.8 CHEMICALS GENERALLY:
- Use only where specified or approved and then only products on the current list authorised by The Chemicals Regulation Directorate (CRD) of Health and Safety Executive (HSE - pesticides.gov.uk).
- Where work is near water, drainage ditches or land drains, comply with the HSE’s Chemicals Regulation Directorate requirements.
- Observe all precautions recommended by the manufacturer and remove containers from site immediately they have been emptied or are no longer required immediately they have been emptied or are no longer required.

1.9 TOPSOIL:
- Prior to commencing planting the areas to be planted will be covered by topsoil spread to give a minimum depth of 350mm following settlement.
- All provided and spread by the Main Contractor.
2. TREES / PLANTS GENERALLY

2.1 PLANTS:
- Plants shall have soil and have been grown in climatic conditions similar to those prevailing on site.
- Packed and protected against mechanical damage, extremes of temperature and drying out.
- When requested by CA provide a certificate that plants comply with this specification.

2.2 PLANT SUPPLY:
- Plants shall be sourced from the following nursery unless previously agreed with the CA:
  Wyevale Nurseries Ltd
  Kings Acre, Hereford HR4 7AY
  Tel: 01432 845200. Fax: 01432 845227. e-mail: andyc@wyevale.demon.co.uk
- Contact: Andy Congera.

2.3 PRE-CONTRACT QUOTATIONS / PLANT SUBSTITUTIONS:
- If plants of a particular species are not available substitutions should be suggested, however these must be selected with reference to the proposed planting locations and to fit in with the logic of the design and location.
- The CA is to approve any substitutions.

2.4 PLANT ORDERING - PLANTING LOCATIONS ON SITE
- Plants shall be ordered as soon as the Contractor has been appointed. The Contractor will inform the CA when the order has taken place.
- Verify planting locations and areas on site prior to ordering plants. Adjust plant numbers to suit actual planting areas in accordance with the planting densities where given in the planting schedules.
- Inform the CA if variations to plant quantities are required so that an instruction can be issued.

2.5 PLANT QUALITY:
- All plants shall be UK grow from UK source seed. They shall be to BS 3936 part 1. The specified plant quality and sizes shall be strictly enforced.
  All plants shall be of ‘Garden Centre Quality’ / A1 Quality. If in doubt as to the quality of plant material required please refer to the CA.
- All plants shall conform to the requirements of the National Plant Specification prepared by The Horticultural Trades Association – if in any doubt refer to the CA.

2.6 CONDITION
- Trees and shrubs shall be free from any pest or disease and shall be materially undamaged.
- Roots shall not have been subjected, between lifting & delivery, to adverse conditions such as water logging and prolonged exposure to drying winds and frost.
- The root ball or the compost in the container shall be free from perennial weeds.
- Plants in pots shall not be pot bound.
2.7 PLANT ILLUSTRATIONS:
- Following appointment the Landscape Contractor shall obtain an representative illustration of each of the trees, shrubs and hedging plants specified in the planting schedules to demonstrate the plants that have been reserved for this Contract and that they are of the required quality. The illustrations shall be in digital format, clear and of good quality. They shall be e-mailed to the CA for approval.

2.8 PLANT SIZES
- With reference to the plant sizes specified the minimum size shall represent no more than 20% of the total for each species.

2.9 PACKAGING
- Packaging shall be adequate to protect the plants and prevent their heating or drying out.

2.10 LABELLING
- On arrival to site each plant, or each bundle of a single species or cultivar, shall be legibly labelled with its botanical name.
- At completion of planting each individually planted plant and each group of plants of the same species shall be legibly labelled with its botanical name.
- Each consignment shall be accompanied by the following particulars, so as to provide easy and adequate identification at the point of acceptance of delivery.
  
  (a) Names of the plants;
  (b) Name of the supplier.
  (c) The number of this British Standard, i.e. BS3936:Part 1.

- The supplier shall state, either on the labels or with the information provided, that the plants are UK-grown.

2.11 ALGINURE ROOT DIP:
- All root-balled, ‘Air Pot’ grown trees and bare rooted stock shall have their root-balls/pots/roots dipped in Alginure Root Dip in accordance with the manufacturer’s instructions, at the time of lifting from the nursery where they are obtained.
- The contractor shall provide written proof from the supply nursery that root dipping has taken place. Plants not root dipped will be rejected & replaced at the Contractors cost.
- Alginure can be obtained from: Alginure Products Ltd., Stone Hill, Egerton, Ashford, Kent TN27 9DU. Tel: 01233 756241, Fax: 01233 756419. email: info@farmura.com.

2.12 PLANT DELIVERY TO SITE - WATERING:
- Water all container grown plants immediately upon delivery to site, plunge dry pots in water until saturated.
- Plunge all root-balled stock into a water filled container to the top of the root-ball. Leave until the root-ball is fully saturated and remove.
- Bare-rooted stock, place plants in plastic bags, spray water into bags to keep moist.
- Store all plants prior to planting in a location that is out of the sun, keep all root-balls covered at all times.
- Plants delivered to site in a dry condition or found to be dry prior to planting will be rejected to be replaced by the Contractor at his cost.
2.13 STORAGE
- Plants which are not to be planted on day of delivery to site to be stored as follows or by other approved methods.
- Store plants prior to planting out of the sun, keep all root-balls covered at all times.
- Root balled plants: Place close together and cover root balls with sand, moist planting compost or wet straw.
- Bare rooted plants: Heel in prepared trenches, cover with soil and water thoroughly.

2.14 EXISTING GRASS AREAS
- Protect existing grass during planting operations by laying boards or tarpaulins. Do not place excavated material directly on to grass.

2.15 SURPLUS MATERIAL
- Spread all surplus topsoil within planting beds evenly on site.
- Remove all other surplus material, debris and wrapping material from site.

2.16 PLANT/ TREE HANDLING, STORAGE AND TRANSPORT, PLANTING GENERALLY
- This shall comply with CPSE ‘Handling and establishing landscape plants’ that is obtainable from the Horticultural Trades Association.
3. **TREE PLANTING: within soft landscape areas.**

3.1 **STANDARD TREES.**

Plant trees as follows:

- Check for underground services prior to excavating tree pits.
- Sizes: planting pit size will depend on size of the container / root-ball / ‘Air Pot’; allow for a 800 x 800 x 700 mm deep planting pit to each tree planting location adjusted as required to give a radius of at least 300 mm larger than the radius of the root-ball or container and at least 300 mm deeper than the root-ball/root system. Where necessary increase these dimensions to ensure that pits are deeper than root-ball and wide enough to accommodate the root-ball / the roots when fully spread.
- Sloping ground: Maintain horizontal bases and vertical sides with no less than minimum depth throughout.
- Pit bottoms: With slightly raised centre. Break up to a minimum depth of 300 mm.
- Pit sides: Scarify.
- Backfilling material:

  **Top 400 mm of planting pit:** This shall comprise a previously prepared thorough mixture of:

  I. 70% by volume topsoil excavated from the pit and additional topsoil as required.
  II. 30% Peat Free Tree Planting Compost.
  III. 500g/cu m bonemeal of medium fine texture, containing not less than 20% soluble potash and 3-5% nitrogen.
  IV. Broadleaf P4 Polymer Granules: Broadleaf P4 water-storing polymer granules to be homogeneously mixed when dry into the planting medium at the rate of 1 gram per litre of the planting pocket capacity / planting soil. (NB: Where P4 is to be pre-blended with a tree-planting compost, the P4 should be incorporated into the compost at the rate of 3 grams per litre in order to achieve the required rate of 1 gram per litre of pocket capacity. If the compost backfill ratio is to be 25:75 then the pre-blend rate should be 4 grams of P4 per litre of compost).

- **Bottom of planting pit:** Below 400 mm this shall comprise as dug subsoil – no organic matter/compost to be added.
- Contact: Agricultural Polymers International Ltd. Tel: 01452 521733. Fax: 01452 307092.
  Email: info@agripol.co.uk
- Accessories: Perforated tree watering pipe as clause 3.2, underground guying as clause 3.3 and strimmer guard as clause 3.4.

3.2 **TREE PIT ACCESSORIES - PERFORATED TREE WATERING PIPE**

- **Standard Trees:** Supply and fix one to each tree, a ‘Root-Rain Tree Waterer, sized to be appropriate to the size of tree, to be installed in accordance with the manufactures instructions.
- Pipe Sizes: Prior to ordering the Contractor is to confirm with the supplier the appropriate sizes for the stock being planted.
- Supplier: GreenBlue Urban, Haywood Way, Hastings, East Sussex. TN35 4PL.
  Tel: 01424 717797 / 01424 433233. Email: enquiries@greenblueurban.com
3.3 TREE STAKING

- Standard Trees – Underground Guying: The Contractor shall allow for the underground securing of all standard/feathered trees to BS 4043: 1989. The underground anchoring system shall be the type designed to secure root balled / container grown trees produced by GreenBlue Urban as illustrated below.

- The GreenBlue Urban ‘Arborguy’ system referenced SASMP shall be used that is suitable for trees with a girth of up to 20cm. It shall be supplied and installed in accordance with GreenBlue Urban’s specification.

**Important note:** it is imperative that root-balled and container grown trees have root-balls and containers that are correctly sized to work with the underground guying system. This must be checked with the supply nursery at the time of plant ordering. Trees with small root balls below those specified in the planting schedules will be rejected.
3.4 TREE PIT ACCESSORIES – STRIMMER GUARD
  - Locations: Supply and fix to each standard and feathered trees planted in grassed areas.
  - Manufacturer: GreenBlue Urban as 3.2 above or equal approved, address as above.
  - Product reference: Contractor to source.
  - Type: brown coloured strimmer guard 300 mm tall – type to be approved by the LA.

3.5 MULCHING TREES
  - Following planting supply and evenly spread coarse grade wood chip mulch over planting soil, to a minimum depth of 80mm allowing for 5% settlement.
  - Mulching Area: In grass areas this shall comprise a circular area having a diameter of 1.2 metres and/or as illustrated on the drawings.
4. TREE PLANTING: tree planting in paved areas.

4.1 DESCRIPTION.

Six trees (*Prunus 'Sunset Boulevard*) are to be planted in the paved area on the northern side of the main block. This will involve the excavation of the 2 metre wide by 5 metre long tree pits and the planting of trees incorporating root cells (‘StrataCells’) and planting soil, tree guards, grills and irrigation, underground guying and root barriers. Please refer to drawing 14028/210 Tree Planting Detail for Paved Areas.

Following tree planting the path is to be laid using porous paving to the Architects specification and detail.

4.2 PROTECTION

During the progress of the works the Contractor shall take every care to avoid damage to buildings, hard landscape works (comprising roads, kerbs, drains, walls, fencing, paths/paved areas, car parking areas and street furniture), existing tree, shrub and grassed areas.

The Contractor shall be responsible for any damage due to his negligence. This includes responsibility for public and private roads, paths, walls, fences and existing trees that are to be retained during the execution of the contract and any reinstatement shall be undertaken at his own expense to the satisfaction of the Local Authority and the Employer.

4.3 PROTECTION OF EXISTING SERVICES

The Contractor shall take all reasonable precautions to avoid damage to water pipes, sewers, and operational drains, underground and overhead cables which are situated on, under and around the site.

All of the street tree planting locations illustrated on 14028/200 Planting Plan are located within pedestrian pavements adjacent to a parking area.

It is not anticipated that services will be located at or close to tree planting positions however it is the responsibility of the Contractor to check for services and to establish what is actually present at each tree planting location prior to and during excavation.

4.4 TREE PLANTING POSITIONS

- Set out the location of each of the six tree planting locations. This to include the 2metre by 5 metre root cells (‘StrataCells’) area. Obtain approval from the CA prior to excavation.

4.5 TREE PIT EXCAVATION / PAVING EXCAVATION

- Ground Protection: place excavated materials on tarpaulins or similar adjacent to excavations to prevent damage or staining of existing adjacent surfaces.
- Tree Pit Dimensions: 2 metres wide by 5 metres long and approximately 820mm deep.
- Hand Digging: it is recommended that each tree planting location is hand dug until the presence and location of any services is established.
- **Excavated Soil:** excavate existing tarmac and sub base down to the formation level required to install the root cells with reference to drawing 14028/210 Street Tree Planting Detail for Paved Areas. Remove excavated materials from site.
- **Protection:** The Contractor shall allow for making the works safe should any of the works have to remain in an uncompleted and open state overnight. This shall from part of the Contractor’s method statement submitted prior to his appointment.

### 4.6 TREE PLANTING

- **Planting Drawings:** please refer to drawing 14028/200 Planting Plan and 14028/210 Tree Planting Detail for Paved Areas.
- **Tree Planting Package:** each tree is to be planted using the following planting package to be supplied by GreenBlue Urban. The planting package and each tree are to be installed in accordance with their installation and planting specification.

**GreenBlue Urban Tree Planting Package includes:**

- GLSCMA StrataCells, 72 No. 500mm x 500mm x 250mm.
- RD300 Root Director.
- RRPIPE1 RootRain tee piece and irrigation pipe below ground.
- RRARBVDI3C Arborvent double inlet aeration/irrigation system with cast inlets
- 1200 Arboresin Precoat grille ‘Britany Bronze’ with Arborvent inlet.
- ULLS186A Ullswater vertical steel tree guard with rolled angle-section rings, 16mm rounds bars topped with 50mm diameter ball finials, finished in black.
- GLGTTA Tree guard tie.
- GLTWGNA twinwall geonet -10 Sq. m.
- SASLP Arboguy strapped anchor system - Large.

**Note:**

- Special drive rod required for SASLP installation.
- Volume of sandy loam required to fill Strata Cell and Root (ref. 4.7 below).
- Director space (including root ball volume) = approximately 6 Cu. m.
- Additional allowance needs to be made for settlement.

Please refer to 4.7 below for sandy loam soil specification.
Landscape Specification & Planting Schedules

- **Formation Level / Base Preparation:** prepare the base of the excavation ready to receive the root cells in accordance with GreenBlue Urban’s installation specification.
- **Installation:** once the root cells are installed they are to be filled with prepared planting soil (with reference to 4.7 below). The trees can then be planted with guards and grills then being installed.
- **Contact Details:**

  GreenBlue Urban  
  Haywood Way, Hastings, East Sussex TN35 4PL.  
  Tel: 01424 717797.  
  Email: enquiries@greenblueurban.com

4.7 **IMPORTED TOPSOIL FOR STREET TREE PLANTING**
- **Dry Sandy Loam Topsoil:** to all trees are planted over StrataCells load bearing soil support modules. These shall be filled with dry sandy loam topsoil to BS3882 that is to comply with the following specification in accordance with GreenBlue Urban’s installation and planting specification.
- **Soil Specification:** please refer to Appendix A.
- **Supplier:** dry sandy loam topsoil shall be supplied by GreenBlue Urban with reference to 4.6 above.

4.8 **POROUS PAVING**
- Supply and lay porous surfacing around each of the six tree planting positions to the Architects detail as illustrated on their external works/hard landscape drawings.

4.9 **STANDARD TREES**

  Plant trees as follows:
  
  - The Tree Planting Package and each individual tree are to be installed and planted in accordance with GreenBlue Urban’s installation and planting specification. This is to be confirmed and agreed with the CA prior to planting.
5. SHRUB & HEDGE PLANTING

5.1 WORKS TO EXISTING TREES
Please refer to the CA for details.

5.2 WORKS TO EXISTING SHRUB /HEDGES:
Please refer to the CA for details.

5.3 WEEDING & CULTIVATION – EXISTING PLANTING AREAS:
- Remove all weeds, ivy, bramble and any self-sown sapling trees from existing areas to be planted.
- Dig over or ease planting soil (where density or roots prevent the soil being turned) in the beds to the depth of a fork.

5.4 HERBICIDE – NEW PLANTING AREAS:
- New top soiled areas to be planted shall be kept weed free prior to planting.
- Existing grassed areas and existing planting beds to be re-planted shall be sprayed off with herbicide and shall be completely weed/grass free prior to cultivation and planting.
- Once the grass/weeds has died off they shall be cultivated as detailed below.
- Herbicide shall be a type recommended for the purpose in the current list authorised by The Chemicals Regulation Directorate (CRD) of Health and Safety Executive (HSE - pesticides.gov.uk).
- Where work is near water, drainage ditches or land drains, comply with the HSE’s Chemicals Regulation Directorate requirements.
- Observe all precautions recommended by the manufacturer and remove containers from site immediately they have been emptied or are no longer required immediately they have been emptied or are no longer required.
- Apply to perennial weeds and allow period of time to elapse as recommended by manufacturer before cultivation.

5.5 ORGANIC BASED SLOW RELEASE FERTILISER: NPK 7:7:7 – NEW PLANTING AREAS
- Supply and spread over all planting areas immediately before final cultivation at the rate of 150gms per square metre of at the rate recommended by the manufacturer. Cultivate into the top 100 mm.
- Fertiliser to be approved by the CA prior to delivery to site.

5.6 SEANURE SOIL IMPROVER – not applicable.

5.7 SOIL AMELIORANT/ CONDITIONER – WOODCHIP PLANTING COMPOST – NEW PLANTING AREAS
- Locations: Supply and spread over all the planting areas.
- Type: to be previously approved by the CA, well composted woodchip compost of medium grade.
- Supplier/ Source: Contractor to source.
- Reference/ Description/ Grading: The compost shall be pest, disease and weed free and be free of Methyl Bromide contamination.
- Coverage: Supply and spread to a minimum even depth of 80 mm and cultivate to a depth of 200 mm of planting soil.
- Timing: Apply prior to final cultivation.
- Supply a sample of compost for approval by the LA prior to delivery to site.

5.8 BROADLEAF P4 – NEW PLANTING AREAS:
Supply and spread as follows over all shrub and hedge planting areas.
- Application Rate: supply and spread Broadleaf P4 Polymer Granules at the rate of 100gms per square metre cultivated into the top 300mm of all planting topsoil.
- Manufacturer: Agricultural Polymers International Ltd., Waverley House, Waverley, Gloucester GL2 0SZ.
Tel: 0191 385 8348, Fax: 01452 307092. Email: info@agripol.co.uk, sales@agripol.co.uk

5.9 CULTIVATION – PLANTING AREAS:
- Break up any compacted topsoil to full depth.
- Within a few days before planting cultivate top 300mm of all planting beds by rotavating and/or double digging. Leave surface regular and even.
- Remove undesirable material brought to the surface including stones and clay balls larger than 50mm in any dimension, roots, tufts of grass and foreign matter.
- Cultivated to the depth of the top soil to achieve a medium tilth.
- Obtain approval from LA prior to planting.

5.10 PLANT LAYOUT – RANDOM / NATURALISED
- Spacing: Evenly, avoiding straight lines unless otherwise stated on the drawings or within the planting schedules.
- Density: Plant to the densities given in the Planting Schedules at the end of this document.

5.11 PLANTING GENERALLY
- Before planting remove any non-perishable containers and carefully prune any badly damaged roots.
- Set plants out evenly within each planting area.
- Plant upright or well balanced with best side to front. Carefully return excavated topsoil, packing around evenly spread roots or root ball and heel well in.
- Finished level to be at original soil mark on shrubs and 30 mm above surrounding level to allow for settlement.
- Water plants thoroughly immediately after planting using a fine rose.
- Immediately after planting shrubs carefully cut back any damaged, dead or diseased branches and remove any weak, thin or malformed growth. Where and to the extent appropriate for the species, cut back to encourage growth.
- After planting fork and/or rake soil to a fine tilth with approved cambers and no hollows.
- Mulch the whole surface of planting beds as clause 5.16.

5.12 SHRUB PLANTING PITS
- Timing: Excavate on the day of planting.
- Sizes: a minimum of 150 mm wider and deeper than the root spread / root ball / pot size.
- Additional requirements: Finished level to be at the original soil mark on the shrubs main stem(s) and 30 mm above adjacent soil levels to allow for settlement.
- Pit bottom improvement: N/A.
- Backfilling material: as dug previously prepared planting soil incorporated soil additives.
5.13 **SHRUB MIX**
- In previously prepared planting beds as illustrated on the drawing set out plants randomly and evenly within the planting area at approximately 2 plants per square metre.
- Plant specific species in group of three as noted in the planting schedules.
- Plant specific species to the rear, or centrally or to the front of planting beds as noted in the planting schedules.

5.14 **NEW HEDGES - DOUBLE LINE PLANTING:**
- Shrubs for hedges: To BS 3936: Part 1, consistent in species, cultivar and clone to ensure a uniform hedge. Refer to planting schedule.
- In a previously prepared planting bed 1.5 metres wide as noted on the drawings, prepared and cultivated as specified plant centrally a double staggered row, **500 mm** between plants, **650 mm** between rows.
- Ensure plants are planted to the correct depth to correspond to the soil mark on main stems.
- Prune back to the heights specified in the planting schedules.

5.15 **NEW HEDGES - TRIPLE LINE PLANTING**: n/a

5.16 **MULCH – TO ALL TREE & SHRUB PLANTING AREAS:**
Supply and spread the following Biomulch at the completion of planting:

- Biomulch to all Shrub and hedge planting areas and to tree pits: Supply and evenly spread to a minimum depth of **80 mm** allowing for 5% settlement, a mulch consisting of natural British forest biomass with 1-45 mm particle size and 70%+ wood content.
- The mulch shall be pest, disease and weed free and be free of Methyl Bromide contamination. It shall have a pH of between 7.5 and 8.5.
- Supply a sample of mulch for the approval of the LA prior to any being delivered to site.
- **Supplier:** Melcourt Industries Ltd, Melcourt Industries Ltd, Boldridge Brake, Long Newton, Tetbury, Glos. GL8 8RT
  Tel: 01666 502711. Fax: 01666 504398. E-mail: mail@melcourt.co.uk
- Or equal approved by the CA conforming to this specification.

5.17 **WATERING:**
- Water each plant thoroughly immediately following planting.
6. **PROTECTING / MAINTAINING / MAKING GOOD DEFECTS / 12 MONTH DEFECTS LIABILITY PERIOD FOR TREES, SHRUB & HEDGE PLANTING.**

6.1 **PROGRAMME**
- Practical Completion of the works and the date when the 12 month maintenance and defects liability periods will start will be determined and certified by the CA.
- The Contractor shall prepare a maintenance programme at Practical Completion to cover the maintenance of the tree, shrub and hedge planting areas for the approval of the CA.
- The Defects Liability and Maintenance for trees, shrubs and hedging plants shall run for a period of 12 months from Practical Completion of the soft landscaping works.
- Practical Completion will take effect at the completion planting and will be agreed and certified by the CA.
- The date of Final Completion will be determined and certified by the CA.

6.2 **CLEANLINESS**
- Remove soil from all hard surfaces and grassed areas and leave the works in a clean tidy condition at the completion of each days work and at Practical and Final Completion.

6.3 **FAILURES OF PLANTING**

- **SHRUBS & HEDGING PLANTS:**
  Post Practical Completion maintenance of the planting is to be carried out by the Landscape Contractor as specified in this section. Any shrubs/hedging plants which are dead, dying or otherwise defective at the end of the 12 month Defects Liability Period will be regarded as defects due to materials or workmanship not in accordance with the Contract. They must be replaced by approved equivalent shrubs/hedging plants at the next suitable planting season unless otherwise instructed. This will not apply if the defects are caused by malicious damage after Practical Completion.

- **TREES:**
  Post Practical Completion maintenance of the tree planting is to be carried out by the Landscape Contractor as specified in this section. Any trees which are dead, dying or otherwise defective during and at the end of the 1-year Defects Liability and Maintenance Period will be regarded as defects due to materials or workmanship not in accordance with the Contract. They must be replaced by approved equivalent trees at the next suitable planting season unless otherwise instructed. This will not apply if the defects are caused by malicious damage after Practical Completion.
  - Trees shall be maintained in accordance with the recommendations of the supply nursery.

6.4 **INSPECTION OF PLANTING**
- An inspection will be undertaken in the summer following planting and a schedule of defects and plant replacements compiled. These will be ordered by the Contractor for replanting in the coming October.
- All replacement planting to follow this specification.
6.5 VISITS:
- It is the responsibility of the Contractor to monitor the landscaping works and to make as many visits as required to comply with the requirements of this specification.
- The Contractor shall detail at the time of tendering how he proposes to comply with the requirements of this specification with regard to maintenance and maintenance visits during the 12 month defects liability and maintenance period for tree, shrub and hedge planting. This shall include the preparation of a detailed program for these visits and demonstrate his understanding of the work involved.
- At the commencement of each visit the Contractor shall sign in at a location to be agreed with the CA and shall sign out prior to leaving.
- Unrecorded visits will be deducted from the contract sum.
- Log Book: maintain a log book at the sign in location that details dates and times of arrival and departure and the maintenance activities undertaken. To be submitted to the CA at Final Completion.
- Visits not so recorded will be deducted from the contract sum.

6.6 WEEDING:
- Keep all planting areas free from weeds.
- New tree planting positions, shrub and hedge planting areas shall be hand weeded.

6.7 ORGANIC BASED SLOW RELEASE FERTILISER: N/A

6.8 PRUNING:
- Prune plants at appropriate times, according to species, throughout the maintenance period and when directed by the CA. Pruning shall remove dead, dying or diseased wood and suckers, promote new healthy growth, and establish a natural shape.

- PLEASE NOTE

Pruning shall only be undertaken by skilled and experienced personnel with the necessary Arboricultural and Horticultural Qualifications. Trees, shrubs or hedging damaged by bad pruning shall be rejected and replaced at the Contractor’s cost.

6.9 STRIMMER GUARDS:
Undertake the following:
- Ensure these are correctly fitted and replace any that are damaged or missing as this occurs.

6.10 MULCHING:
- Mulching: maintain all mulched areas to their specified depths during the maintenance period.
- At the end of the Defects Liability Period ensure that all mulched areas are mulched to a minimum depth of 80mm. Top up mulch as required.

6.11 STREET TREE PLANTING: TREE PLANTING PACKAGE (TREE GUARDS, GRILLS, TIES, WATERING POINTS):
Undertake the following:
- Ensure the Tree Guard, the Arborvent and the Arboresin surfacing within the tree grill frame are maintained in accordance with GreenBlue Urban’s maintenance instructions.
Landscape Specification & Planting Schedules

- Ensure the Tree Guard Tie is correctly fitted and adjusted in accordance with GreenBlue Urban’s maintenance instructions.
- Advise the CA of any failures to the tree planting package.

6.12 WATERING: it is the responsibility of the Contractor to ensure sufficient water is applied to maintain healthy growth.
- Ensure that sufficient water is applied to maintain healthy growth.
- General Watering – hedge & shrub planting: Water using a fine rose or sprinkler until full depth of topsoil is saturated.
- Standard Trees: apply water vial the perforated tree watering pipe in accordance with the manufacturer’s instructions.
Section C: Planting Schedules

All to BS 3936: Part 1, consistent in species, cultivar and clone to ensure a uniform tree/shrub/hedge, size designation as schedule.

The following is to be read with drawing 13016/200 Planting Plan and 13016/210 Street Tree Planting Detail.

1. GENERAL PLANT SPECIFICATION

i. Standard Trees

- These shall be container grown or root-balled as specified in the planting schedules.
- All shall have strong straight stems. Bottom-worked trees may have no more than a slight bend at the union. Temporary feathering shall have been removed flush with the stem.
- Heads shall be well developed for their type and evenly balanced, with no main branch crossing the crown.
- All shall have a strong central leader, but some species may alternatively be supplied with a branched head or be multi-stemmed.
- Size shall be designated by the size of the stem circumference, measured 1m from the ground level and the overall height shall also be stated.
- The designation and dimensions of all Standard Trees are detailed in the planting schedules.
- Underground Guying & Irrigation System: for on-site tree planting refer to section 3 and for tree planting in hard landscaped areas refer to section 4.

ii. Feathered Trees – not applicable.

iii. Transplants – plants for hedging:

- A transplant shall have been transplanted or undercut as specified in the planting schedules. The age and height shall be as detailed in the planting schedules.
- All shall have a well-developed fibrous root system.

iv. Container-grown shrubs & hedging plants (including pot-grown shrubs)

- Container-grown shrubs shall, at whatever time of year they are sold, have been established in the container long enough for substantial new root growth to have been produced within the container.
- The shrubs shall have been cut back or trimmed (according to species) and grown with sufficient space to have encouraged bushiness.
- The size of the container shall be in reasonable proportion to the size and mass of the plant. Climbers shall be adequately staked and tied.
v. **Alginure Root Dip:**

- All root-balled, root-wrapped and bare rooted stock shall have their roots dipped in Alginure Root Dip in accordance with the manufacturer’s instructions, at the time of lifting from the nursery where they are obtained.
- The contractor shall provide written proof from the supply nursery that root dipping has taken place. Plants not root dipped will be rejected & replaced at the Contractors cost.

Alginure can be obtained from: Alginure Products Ltd., Stone Hill, Egerton, Ashford, Kent TN27 9DU. Tel: 01233 756241, Fax: 01233 756419. email: info@farmura.com.

**Please Note:**

Any plant material which in the opinion of the CA does not meet with the requirements of this Specification, or are unsuitable, or defective in any other way may be rejected.

The minimum specified size in the Planting Schedule will be strictly enforced.
2.2. PLANTING SCHEDULES

2.1 STANDARD TREES:

Root-balled trees shall be wrapped in hessian and encased in wire mesh.

<table>
<thead>
<tr>
<th>Code</th>
<th>Botanical Name</th>
<th>Size / Description</th>
<th>No</th>
<th>£ p.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PP</td>
<td><em>Prunus avium Plena</em></td>
<td>Standard, 18-20cm girth, 425cm overall height, 175-200cm clear stem, 4x, root-balled in Hessian encased in wire mesh having a min. diameter of 60cm.</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>PS</td>
<td><em>Prunus ‘Sunset Boulevard</em></td>
<td>Standard, 18-20cm girth, 425cm overall height, 175-200cm clear stem, 4x, root-balled in Hessian encased in wire mesh having a min. diameter of 60cm.</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>QF</td>
<td><em>Quercus robur ‘fastigata Koster’</em></td>
<td>(Holm Oak)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Holm Oak)</td>
<td>Standard, 18-20cm girth, 425cm overall height, 175-200cm clear stem, 4x, root-balled in Hessian encased in wire mesh having a min. diameter of 60cm.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TC</td>
<td><em>Tilia cordata ‘Greenspire’</em></td>
<td>Standard, 18-20cm girth, 425cm overall height, 175-200cm clear stem, 4x, root-balled in Hessian encased in wire mesh having a min. diameter of 60cm.</td>
<td>11</td>
<td></td>
</tr>
</tbody>
</table>

Total
### 2.2 SHRUB PLANTING.

- All to be strong multi-stemmed plants with a good well balanced form.

<table>
<thead>
<tr>
<th>Code</th>
<th>Botanical Name</th>
<th>Size / Description</th>
<th>Density</th>
<th>No</th>
<th>£p.</th>
</tr>
</thead>
<tbody>
<tr>
<td>af</td>
<td><em>Abelia x grandiflora</em> ‘Francis Mason’</td>
<td>3 litre pot, 30-40 cm, bushy, 4 breaks</td>
<td>4 m²</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>ap</td>
<td><em>Aucuba japonica</em> ‘Picturata’</td>
<td>10-12 litre pot, 45-65 cm, bushy, 6 breaks</td>
<td>2.5 m²</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>ba</td>
<td><em>Berberis thumbergii</em> ‘Atropurpurea’</td>
<td>10-12 litre pot, 40-60 cm, branched, 9 breaks</td>
<td>4.5 m²</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>bn</td>
<td><em>Berberis thumbergii</em> ‘Atropurpurea Nana’</td>
<td>3 litre pot, 25-40 cm, branched, 5 breaks</td>
<td>5 m²</td>
<td>237</td>
<td></td>
</tr>
<tr>
<td>ca</td>
<td><em>Cornus alba</em> ‘Spaethii’</td>
<td>5-7.5 litre pot, 40-60 cm, bushy, 5 breaks</td>
<td>3.5 m²</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>cl</td>
<td><em>Cotoneaster lacteus</em></td>
<td>10-12 litre pot, 60-80 cm, branched, 8 breaks</td>
<td>2 m²</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>ee</td>
<td><em>Elaeagnus x ebbingei</em> ‘Gilt Edge’</td>
<td>5-7.5 litre pot, 35-50 cm, branched, 4 breaks</td>
<td>3 m²</td>
<td>145</td>
<td></td>
</tr>
<tr>
<td>ef</td>
<td><em>Euonymous fortune</em> ‘Sunset’</td>
<td>3 litre pot, 25-40 diameter, bushy, 7 breaks</td>
<td>5 m²</td>
<td>198</td>
<td></td>
</tr>
<tr>
<td>hr</td>
<td><em>Hebe rakaiensis</em></td>
<td>3 litre pot, 25-35 diameter, bushy, 5 breaks</td>
<td>5 m²</td>
<td>288</td>
<td></td>
</tr>
<tr>
<td>pt</td>
<td><em>Parthenosissus tricuspidata</em> ‘Veitchii’</td>
<td>10-12 litre pot, 100-150 cm, many shoots, 6 breaks, frame</td>
<td>---</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>pl</td>
<td><em>Prunus laurocerasus</em> ‘Otto’ Luyken</td>
<td>3 litre pot, 35-45 diameter, bushy, 4 breaks</td>
<td>3.5 m²</td>
<td>367</td>
<td></td>
</tr>
<tr>
<td>pc</td>
<td><em>Pyracantha coccinea</em> ‘Red Column’</td>
<td>5-7.5 litre pot, 65-85D, leader with laterals, 5 breaks</td>
<td>3 m²</td>
<td>157</td>
<td></td>
</tr>
</tbody>
</table>

| Total |
2.3 SHRUB MIX.

- All to be strong multi-stemmed plants with a good well balanced form.
- Set out plants randomly and evenly within the planting area at approximately 2 plants per square metre.
- Plant in groups of 3, 5 or 7 of the same species being planted together.
- All to be strong multi-stemmed plants.
- All MUST HAVE a good well balanced form.

<table>
<thead>
<tr>
<th>%</th>
<th>Botanical Name</th>
<th>Size / Description</th>
<th>No (410)</th>
<th>£p.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>+ Abelia x grandifolia</td>
<td>30-40cm, 3 LP, Bushy, 3 breaks</td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>+ Amelanchier canadensis (Snowy Mespilus)</td>
<td>80-100cm, 10-12 LP, Branched, 6 breaks</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td># Cornus alba ‘Elegantissima’ * (Silver Dogwood)</td>
<td>40-60, 3 LP, Branched, 4 breaks</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td># Escallonia ‘Red Elf’</td>
<td>30-40cm, 3 LP, Bushy, 4 breaks</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>+ Ligustrum ovalifolium Aureum (Yellow Leaved Privet)</td>
<td>40-60cm, 3 LP, Branched, 7 breaks</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td># Philadelphus ‘Belle Etoile’</td>
<td>3 0-40cm, 3 LP, Bushy, 4 breaks</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>* Spirea arguta (Bridal Wreath)</td>
<td>5 0-60cm, CG, 3LP, Branched, 3 Breaks</td>
<td>80</td>
<td></td>
</tr>
</tbody>
</table>

+ Planted to the rear of planting beds.  # Planted to the front of planting beds.  * Plant centrally.
2.4 HEDGE PLANTING:

2.4.1 Beech Hedge:

- To a previously prepared 1.5 metre wide planting strip, set out centrally & plant a double staggered row, 650mm between rows, 500mm between plants.
- Prune back to an even level height of 1.5 metres following planting and shape up sides to give an even level line.

<table>
<thead>
<tr>
<th>Code</th>
<th>Botanical Name</th>
<th>Size / Description</th>
<th>No</th>
<th>£p.</th>
</tr>
</thead>
<tbody>
<tr>
<td>fs</td>
<td><em>Fagus sylvatica</em> (Beech)</td>
<td>OG, BR, 2x, 1+2, 175 - 200cm, feathered, 3 breaks, strong with a well-developed fibrous root system.</td>
<td>550</td>
<td></td>
</tr>
</tbody>
</table>

Total

2.4.2 Purple Beech Hedge:

- To a previously prepared 1.5 metre wide planting strip, set out centrally & plant a double staggered row, 650mm between rows, 500mm between plants.
- Prune back to an even level height of 1.5 metres following planting and shape up sides to give an even level line.

<table>
<thead>
<tr>
<th>Code</th>
<th>Botanical Name</th>
<th>Size / Description</th>
<th>No</th>
<th>£p.</th>
</tr>
</thead>
<tbody>
<tr>
<td>fp</td>
<td><em>Fagus sylvatica ‘Purpurea’</em> (Purple Beech)</td>
<td>OG, BR, 2x, 1+2, 175 - 200cm, feathered, 3 breaks, strong with a well-developed fibrous root system.</td>
<td>106</td>
<td></td>
</tr>
</tbody>
</table>

Total
2.4.3 **Native Species Hedge**

- To a previously prepared 1.5 metre wide planting strip, set out centrally & plant a double staggered row, 650mm between rows, 500mm between plants.
- Prune back to an even level height of 1.2 metres following planting.

<table>
<thead>
<tr>
<th>%</th>
<th>Botanical Name</th>
<th>Size / Description</th>
<th>No</th>
<th>£p.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td><em>Acer campestre</em> (Field Maple)</td>
<td>OG, BR, 2x, 125 - 150cm, feathered, 3 breaks, strong with a well-developed fibrous root system.</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td><em>Corylus avellana</em> (Hazel)</td>
<td>OG, BR, 1+1, 60 - 80cm, strong with a well-developed fibrous root system.</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td><em>Crataegus monogyna</em> (Hawthorn)</td>
<td>OG, BR, 2x, 125 - 150cm, feathered, strong with a well-developed fibrous root system.</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td><em>Ilex aquifolium</em> (Common Holly)</td>
<td>10-12 Litre Pot, 80 -100cm, 5 breaks</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td><em>Ligustrum vulgare</em> (Common Privet)</td>
<td>OG, BR, 1+1, 60 - 80cm, strong with a well-developed fibrous root system.</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td><em>Prunus spinosa</em> (Blackthorn)</td>
<td>OG, BR, 1+2 or 1/2, 80 - 100cm, branched, 3 breaks.</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td><em>Quercus robur</em> (Oak)</td>
<td>OG, BR, 2x, 125 - 150cm, feathered, 2 breaks, strong with a well-developed fibrous root system.</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td><em>Viburnum opulus</em> (Water Elder)</td>
<td>OG, BR, 1+1 or 1/1, 80 - 100cm.</td>
<td>7</td>
<td></td>
</tr>
</tbody>
</table>

Total
Key to planting schedules

CG  Container grown.
BR  Bare-rooted stock bagged.
2X  Twice transplanted.
3X  Three times transplanted
OG  Open grown
1+1 1 year old seedling lined out for one year.
1+2 1 year old seedling lined out for two years.

Root-balled trees shall be wrapped in hessian and encased in wire mesh.
Appendix A: Imported Topsoil for Tree Planting in Paved Areas:

to be read with B/4.7 above.