



## **Landscaping Method Statement.**

On behalf of Alistair Dodd Consulting

In accordance with BS5837:2012 for a proposed development at

**New House, The Cottrells, Angmering**

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## 1.0 Introduction

1.1 In accordance with BS 5837 Trees in relation to design, construction and demolition; the aims for this report are:

- To offer an effective method statement for post construction planting, in accordance with BS8545: 2014.

## **2.0 Landscaping Method Statement**

### **2.1 Scope of works and Description of plants**

*Caryopteris x clandonensis* 'Heavenly Blue' to south of communal driveway.

*Skimmia japonica*. Adjacent to car parking spaces.

*Pyrus Calleryana* 'Chanticleer' Adjacent to parking spaces and recycling store.

*Prunus Cerasifera* 'Nigra' south of drive way, adjacent to public parking.

*Acer Griseum* on private lawn.

### **2.2 Description of plants**

3 x *Caryopteris x clandonensis* 'Heavenly Blue'. Containerised 2 litre pots.

3x *Skimmia japonica*. Containerised 2 litre pots.

*Pyrus Calleryana* 'Chanticleer'. 3-4m 45l, 12-14cm girth, airpots.

*Prunus Cerasifera* 'Nigra'. 3m, 35L. 12-14cm girth airpots.

*Acer Griseum*. 1-1.2. 10Litre containerised. 8-10cm girth.

### **2.3 Specification, Storage, Labelling, Delivery checks**

2.3.1 Plant stock must be selected from an approved nursery, which has been independently checked and conforms with BS 8545:2012.

2.3.2 Storage should be kept to a minimum. All storage sites should be specifically for that purpose, isolated from areas where there is potential for contamination or vehicle damage. Plants to be irrigated as per species requirements, until planting. A small storage compound will be constructed from Heras fencing, using tree protective materials, should storage be necessary.

2.3.3 Plants must be clearly labelled, including species, nursery address, name or purchaser, plant passport if necessary.

2.3.4 Trees and shrubs should be checked on delivery by an adequately trained operator, looking for adequate fibrous rooting system, labelling, no obvious signs of disease or pests etc. See Fig 1 for detailed specification

### **2.4 Preparation of planting area.**

2.4.1 All areas to be planted should be prepared after the main construction has occurred, to minimise damage and pollution.

2.4.2 Soil quality and drainage.

Planting areas should have adequate drainage. Drainage to be checked by excavating 30cm x 3 hole, watering to field capacity and noting how long it takes to drain. Where drainage is faster than 10-20 seconds, soil will be incompatible with chosen sp, and require improved structuring. Where re-structuring of soil required, excavate and back fill with imported, approved structured soil, to a level sufficiently high to allow for post planting settling.

Structured soils should comprise of sufficient pore size, organic material, pH and nutrient content to allow for sustained plant development, e.g. Amsterdam Structured soils.

Table 1 Check list for trees prior to acceptance of delivery to site and planting

| The tree                                                                    | Points to check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Above ground</b>                                                         | <p>Check that the tree is true to type as specified.</p> <p>Check that there is a clearly defined straight leader. (This does not apply to multi-stem and weeping trees.)</p> <p>Check that there is a balanced branching framework typical of the species.</p> <p>Check that all lateral branches are subordinate to the central leader and evenly spaced along the central stem. Ensure that lateral branch diameter does not exceed 50% of stem diameter at the point of branch attachment.</p> <p>Check that there is a clearly defined stem taper.</p> <p>Check that the ratio of height to stem diameter is balanced.</p> <p>Inspect for signs of incompatibility at graft and budding unions.</p> <p>Check that there are no crossing, co-dominant or included branches.</p> <p>Any minor damage incurred during transport should be rectified by pruning.</p>                                                              |
| <b>Below ground</b>                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Bare root</b>                                                            | <p>Check that there is an evenly spaced lateral root system with a minimum of four major lateral roots.</p> <p>Check that there are evenly distributed fibrous roots at a density commensurate with the species being planted.</p> <p>Check that roots have been fully protected during transport and storage and do not show any signs of desiccation.</p> <p>Any minor damage incurred during transport should be rectified by pruning.</p> <p>Make sure the root system is fully protected until the tree is actually planted.</p>                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Rootball</b>                                                             | <p>Check that the rootball is intact (made-up rootballs with trees that have not been transplanted during the production process should have been rejected on delivery from the nursery).</p> <p>Check that the root flare is clearly visible at the top of the actual rootball. Any mounding of soil (which might or might not contain fine root) above the root flare should be removed. (The visibility of the root flare can be impeded by the hessian, wire or ropes used to wrap the rootball.)</p> <p>Check that the rootball has not dried out during transport and storage and take remedial action if necessary prior to planting.</p> <p>If there is wire or rope circling the main stem to secure the rootball cage, ensure that it is removed prior to planting.</p> <p>Remove the wire cage where practicable. If this cannot be done, peel back the wire cage and hessian once the tree is in the planting pit.</p> |
| <b>Containerized</b>                                                        | <p>Remove the container prior to planting.</p> <p>Fibrous roots in containers should hold the compost ball together once the container is removed. If the compost ball falls apart the tree should be rejected as there has been inadequate root development.</p> <p>Ensure that any fibrous root growth or excess compost above the root flare is removed and that the root flare is clearly visible prior to planting.</p> <p>Shave off any minor roots that are showing evidence of circling. (Trees with major circling roots should have been rejected on delivery.)</p> <p>Ensure that the container compost is moist at planting.</p>                                                                                                                                                                                                                                                                                       |
| Trees with major damage, whether above or below ground, should be rejected. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Fig 1 Check list for trees prior to acceptance at delivery to site and planting. BS 8545:2014.

#### 2.4.3 Areas to be re-turfed

Turf to be irrigated until fully established, taking into consideration:

- Amount of rainfall
- Permeability of surfacing
- Temperature and wind conditions
- Moisture holding capacity of soil
- Drainage

## 2.5 Planting dimensions and planting operations

### 2.5.1 *Caryopteris* and *Skimmia*

To be planted roughly 2m apart within flower bed. Potential rooting environment should be at least 50cm wider than root ball, to allow adequate space for root growth.

Plants to be soaked to field capacity before planting, and planted area to field capacity after planting.

Plants to be well firmed in, and mulched with up to 60mm suitable mulching material.

### 2.5.2 *Pyrus*.

To be planted approx 500mm from tarmac surfaces within car park, within a planting bed.

Potential rooting environment should be at least 500mm wider than root ball, to allow adequate space for root growth.

Plants to be soaked to field capacity before planting, and planted area to field capacity after planting.

Plants to be well firmed in, and mulched with up to 60mm suitable mulching material.

### 2.5.3 *Prunus*.

To be planted approx 500mm from tarmac surfaces within car park, within a planting bed.

Potential rooting environment should be at least 500mm wider than root ball, to allow adequate space for root growth.

Plants to be soaked to field capacity before planting, and planted area to field capacity after planting.

Plants to be well firmed in, and mulched with up to 60mm suitable mulching material.

### 2.5.3 *Acer*

To be planted within private lawned area.

Potential rooting environment should be at least 500mm wider than root ball, to allow adequate space for root growth.

Turf to be removed 1m radius around base of tree.

Plants to be soaked to field capacity before planting, and planted area to field capacity after planting.

Plants to be well firmed in, and mulched with up to 60mm suitable mulching material.

## 2.6 Post-planting maintenance schedule

Irrigation - Once weekly during periods of extended hot weather.

Weed twice annually, during growing season.

Mulch with 60mm depth suitable organic material annually.

### 2.6.1 Irrigation. Dependant on:

- Amount of rainfall
- Permeability of surfacing
- Temperature and wind conditions
- Moisture holding capacity of soil
- Drainage
- Size and species planted
- Nursery production system

Water once weekly during hot, dry periods - using 20-40L of water, monitoring one tree with soil moisture meter to assess exactly when roots are irrigated to field capacity.

Remaining watering schedule to be decided on site, considering above factors.

Schedule should run for at least two full growing seasons.

### 2.6.2 Three Year Post Planting Maintenance Schedule

Year 1 annual assessment, during peak energy period, checking and remedying where necessary:

- Stakes and ties.
- Weed, manually.
- Mechanical damage. Monitor and record.
- P&D. Monitor and record.

Year 2 annual assessment, during peak energy period, checking and remedying where necessary:

- Stakes and ties. Removed after two years, unless support still required.
- Weed, manually.
- Mechanical damage. Monitor and record.
- P&D. Monitor and record.

Year 3 annual assessment, during peak energy period, checking and remedying where necessary:

- Weed, manually.
- Mechanical damage. Monitor and record.
- P&D. Monitor and record.
- Formative pruning. As per BS 3998:2010

## **2.7 Arboricultural Supervision**

Planting may need to be supervised, or signed off, as part of an audited system of site monitoring.