**Public Realm and Street Trees**

| Botanical Name | Code | Form | Clear Stem | Height | Girth / Form | Root Cond. | Support | Qty | Notes |
|---|---|---|---|---|---|---|---|---|---|
| *Acer platanoides 'Ebben's Column'* | Ap | Clear stem | 2.2-.2.5m | 5.0-6.0m | 25-30cm - Semi mature | RB | Underground guyed | 5 | General note for all trees: trees specified as rootball for installing within planting season. If trees are planted from April to October, containerised stock must be used. *Trees for wind mitigation. |
| *Amelanchier canadensis* | Ac | Multi-stem | Brushed up to 0.5-1m | 2.5-3.0m | Umbrella form | RB | Underground guyed | 6 | |
| *Acer campestre 'Elsrijk'* | AcE | Clear stem | 2.2-.2.5m | 5.0-6.0m | 25-30cm - Semi mature | RB | Underground guyed | 1 | |
| *Betula utilis jacquemontii* | Buj | Multi-stem | Brushed up to 0.5-1m | 2.5-3.0m | Umbrella form | RB | Underground guyed | 17 | |
| *Carpinus betulas 'Frans Fontaine'* | CbF | Clear stem | 2.2-.2.5m | 5.0-6.0m | 25-30cm - Semi mature | RB | Underground guyed | 2 | |
| *Gleditsia triacanthos 'Speczam'* | GtS | Clear stem | 2.2-.2.5m | 5.0-6.0m | 25-30cm - Semi mature | RB | Underground guyed | 1 | |
| *Liquidambar styraciflua* | Ls | Clear stem | 2.2-.2.5m | 5.0-6.0m | 25-30cm - Semi mature | RB | Underground guyed | 4 | |
| *Pinus nigra ** | Pn | Clear stem | 2.2-.2.5m | 5.0-6.0m | 25-30cm - Semi mature | RB | Underground guyed and triple stake | 3 | |
| *Pyrus calleryana 'Chanticleer'* | PcC | Clear stem | 2.2-.2.5m | 4.5-5.5m | 20-25cm - Semi mature | RB | Underground guyed | 4 | |
| *Tilia cordata 'Greenspire'* | TcG | Clear stem | 2.2-.2.5m | 5.0-6.0m | 25-30cm - Semi mature | RB | Underground guyed | 2 | |

**Private Courtyard Trees**

| Botanical Name | Code | Form | Clear Stem | Height | Girth / Form | Root Cond. | Support | Qty | Notes |
|---|---|---|---|---|---|---|---|---|---|
| *Acer monspessulanum* | Amo | Multi-stem | Brushed up to 1m | 3.0-3.5m | Umbrella form | RB | Underground guyed | 2 | General note for all trees: trees specified as rootball for installing within planting season. If trees are planted from April to October, containerised stock must be used. |
| *Betula albosinensis 'Fascination'* | BaF | Multi-stem | Brushed up to 1m | 3.0-3.5m | Umbrella form | RB | Underground guyed | 1 | |
| *Sorbus 'Joseph Rock'* | SJR | Clear stem | 2m | 5.0-6.0m | 20-25cm - Semi mature | RB | Underground guyed | 1 | |
| *Syringa josikaea* | Sj | Multi-stem | Brushed up to 1m | 3.0-3.5m | Umbrella form | RB | Underground guyed | 2 | |

**Planting for Wharf Gardens tolerant of full sun to partial shade**

| Code | Botanical Name | Height (cm) | Min. container size (Litre) | Density | Location | Quanitity |
|---|---|---|---|---|---|---|
| AhS | Anemone x hybrida 'Serenade' | 30-40 | 5L | 5/m² | M | 174 |
| Bp | Bergenia purpurascens | 40-50 | 2L | 7m² | M | 206 |
| Bo | Bistorta officinalis | 40-50 | 2L | 7m² | E/M | 231 |
| CfBZ | Carex flacca 'Blue Zinger' | 20-30 | 2L | 7/m² | E/M | 88 |
| CSS | Carex 'Silver Sceptre' | 30-40 | 5L | 5/m² | E/M | 425 |
| CdWD | Choisya x dewitteana 'White Dazzler' | 50-60 | 5L | 5/m² | M | 81 |
| Cau | Crocosmia aurea | 50-60 | 5L | 5/m² | M | 40 |
| Dc | Deschampsia cespitosa | 30-40 | 5L | 5/m² | M | 115 |
| Gm | Geranium macrorrhizum | 20-30 | 2L | 7/m² | E/M | 336 |
| Gs | Geranium sanguineum | 20-30 | 2L | 7/m² | E/M | 404 |
| Lsa | Lythrum salicaria | 50-60 | 2L | 7/m² | M | 104 |
| LsSF | Luzula sylvatica 'Solar Flair' | 30-40 | 5L | 5/m² | E/M | 489 |
| Ms | Miscanthus sinensis | 30-40 | 5L | 5/m² | M | 57 |
| Rf | Rudbeckia fulgida | 50-60 | 2L | 5/m² | M | 69 |
| Sn | Salvia nemorosa | 20-30 | 2L | 5/m² | M | 84 |
| Sop | Salvia officinalis purpurascens | 50-60 | 2L | 7/m² | M | 71 |
| So | Sanguisorba officinalis | 20-30 | 2L | 5/m² | E/M | 186 |
| Sa | Sesleria autumnalis | 50-60 | 2L | 5/m² | M | 224 |
| SjR | Skimmia japonica Rubella | 30-40 | 5L | 5/m² | M | 248 |
| Vb | Verbena bonariensis | 100-120 | 2L | 5/m² | M | 22 |

Plant location: E = Edge of bed. M = Middle of bed

**Planting for private courtyard tolerant full shade to partial shade**

| Code | Botanical Name | Height (cm) | Min. container size (Litre) | Density | Location | Quantity |
|---|---|---|---|---|---|---|
| Am | Alchemilla mollis | 30-40 | 5L | 5/m² | E/M | 53 |
| AhHJ | Anemone x hybrida 'Honorine Jobert' | 100-120 | 5L | 5/m² | M | 31 |
| Bc | Bergenia cordifolia | 30-40 | 5L | 5/m² | E | 128 |
| Cm | Carex morrowii | 30-40 | 5L | 5/m² | E/M | 103 |
| GoWP | Geranium x oxonianum 'Wargrave Pink' | 30-40 | 5L | 5/m² | E/M | 83 |
| HGO | Hebe 'Great Orme' | 60-70 | 7.5L | As shown | M | 3 |
| HDG | Hosta 'Devon Green' | 30-40 | 5L | 5/m² | M | 61 |
| Lsy | Luzula sylavatica | 30-40 | 5L | 5/m² | M | 72 |
| Me | Milium effusum 'Aureum' | 30-40 | 5L | 5/m² | E/M | 117 |
| Pp | Polystichum polyblepharum | 30-40 | 5L | 3/m² | M | 37 |
| Pts | Polystichum tsussimense | 30-40 | 5L | 5/m² | E | 7 |
| Vd | Viburnum davidii | 30-40 | 5L | 3/m² | M | 20 |

Plant location: E = Edge of bed. M = Middle of bed

**Planting for beneath building overhang tolerant of full shade**

| Code | Botanical Name | Height (cm) | Min. container size (Litre) | Density | Location | Quantity |
|---|---|---|---|---|---|---|
| Ae | Asarum europaeum | 10-20 | 2L | 7/m² | E | 6 |
| As | Asplenium scolopendrium | 10-20 | 2L | 7/m² | E | 14 |
| Bs | Bergenia 'Silberlicht | 10-20 | 5L | 5/m² | E/M | 20 |
| Bm | Brunnera macrophylla | 10-20 | 2L | 7/m² | E | 9 |
| Ea | Euphorbia amygdaloides var. robbiae | 30-40 | 5L | 5/m² | M | 6 |
| Fj | Fatsia japonica | 100-150 | 10L | As shown | M | 3 |
| Ln | Luzula nivea | 30-40 | 5L | 5/m² | E/M | 15 |
| OjN | Ophiopogon japonicus Nana | 10-20 | 2L | 7/m² | E | 20 |
| Pt | Pachysandra terminalis | 10-20 | 2L | 7/m² | E | 40 |
| Pit | Pittosporum tenuifolium | 40-50 | 7.5L | As shown | M | 3 |
| Ps | Polystichum setiferum | 50-60 | 7.5L | 3/m² | M | 5 |
| Pts | Polystichum tsussimense | 30-40 | 7.5L | 3/m² | M | 12 |
| ScKG | Skimmia x confusa 'Kew Green' | 30-40 | 5L | 3/m² | M | 6 |

Plant location: E = Edge of bed. M = Middle of bed

**General Notes**

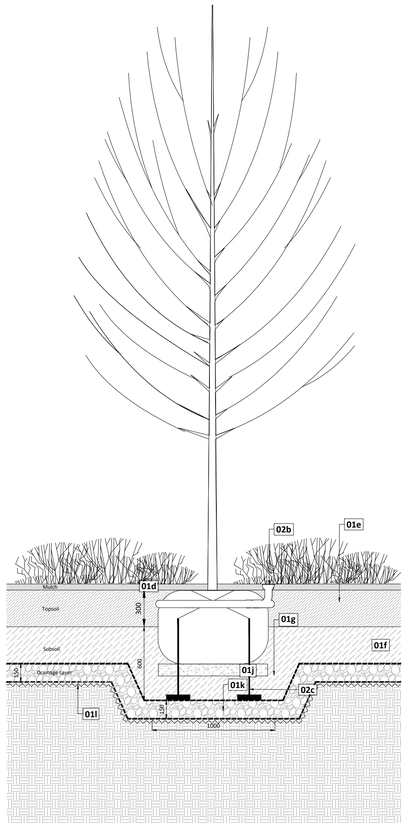
1. All dimensions in mm, unless otherwise stated.
2. Scaling from drawing if printed incorrectly may lead to errors.
3. All information outside red line boundary shown for contextual purpose only.
4. Landscape architect and landscape contractor to undertake a briefing meeting prior to installation of soft landscape to discuss and agree approach and principles as defined below.
5. This drawing is to be read in conjunction with the following re-form landscape architecture documentation:
   - Z0-REF-G710-SP-GRD-0894-0002
   - Z0-REF-G710-SP-GRD-0894-0003
   - Z0-REF-G710-HS-GRD-0894-0001
   - Also refer to any drawings cross referenced in the key.

**Soft Landscape Notes**

5. All topsoil for the landscaping must be in accordance with the latest British Standards, BS 3882:2015. A depth of 300mm of topsoil shall be spread over planting areas.
6. All subsoil to be in accordance with BS8601:2013. 300mm of subsoil to ornamental planting areas and 600mm to tree pits.
7. Tree pits to include 150mm depth of free draining gravel wrapped in geotextile membrane to base of pit.
8. The base to all planting areas to be broken up / loosened and debris removed to promote good drainage
9. Container Grown Plants: To comply with the National Plant Specification. Shrubs shall be planted in pits min. 300 x 300 x 200mm depth. Roots are to be fully submerged beneath topsoil.
10. Mulch: All Planting beds to receive 50mm ornamental mulch.
11. Watering: Plant only into moist soil and water thoroughly to the full depth of soil immediately after planting.
12. Any proposed plant substitution shall be agreed with the landscape architect prior to ordering

**Important Planting Setting Out Notes**

13. Landscape architect and landscape contractor to undertake briefing session prior to installation of planting
14. Plants to be installed in species groups comprising 3-7nr of an individual species.
15. Species groups to be interspersed amongst the designated bed and separated by other species groups.
16. Species groups to be installed either to the edge or middle of the designated bed as defined within the schedules as E or M
17. All plants to be installed in a evenly spaced, staggered matrix avoiding visible rows




0015 01 Typical tree in soft landscape 1:25
(for tree pits using soil cells, refer to drawing Z0-REF-G710-DE-GRD-0894-8014)

**01 Planting and growing medium**
01a Proposed tree (Q31)

01b Proposed planting (Q31)

01c Turf (Q31-231)

01d Loose aggregate mulch (Q31)
Depth: 50mm
Set 25mm below adjacent hard surface

01e Topsoil to planting areas and tree pits (Q28-315)
Depth: 300mm

01f Subsoil to ornamental planting (Q28-316)
Depth: 300mm

01g Subsoil to tree pit (Q28-316)
Depth: 600mm

01h Topsoil to lawn (Q28-315)
Depth: 150mm

01i Subsoil to lawn (Q28-316)
Depth: 300mm

01j Coarse washed sand to base of rootball to aid drainage Depth: 100mm (Q31-516)

01k Gravel drainage layer wrapped in permeable geotextile membrane (Q31-516)
Extent subject to confirmation of remediation strategy
Depth: 150mm

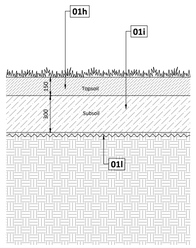
01l Formation broken up and loosened, debris removed to aid drainage (Q31-516)
Depth: 150mm

**02 Tree Accessories**
04a Tree collar (Q31-520)

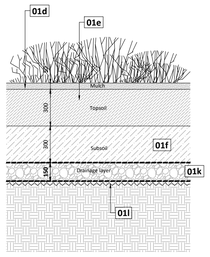
02b Aeration/ Irrigation system (Q31-512)

02c Underground guying system (Q31-526)

02d Cellular structural soil system (Q31-520)




0015 02 Typical lawn planting 1:25




0015 03 Typical ornamental planting 1:25

Design and specification to base of planting pits subject to confirmation of site remediation recommendations and mitigation requirements

20.10.22 Stage 4 - cross referencing amended JR MS MS P05
Date Description of revision Drawn Checked Approved Revision

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**Paper size** A1
**Scale** 1:100
**Status** FOR TENDER D2
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**Revision** P05

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