All trees and shrubs are to be watered thoroughly, to full ground capacity, immediately after planting and before the application of mulch. The landscape contractor shall allow for provision of all equipment

Tree planting operations should be in accordance with part 10 of the current BS 8545 Trees from Nursery to Independence in the Landscape. Tree pits are to be excavated to a minimum of 1m X 1m X 600mm with the sides well scarified to prevent smearing, the base of tree pits are to remain undisturbed and should only be broken up if there is a

manager. The surface shall be raked to smooth flowing contours with a fine tilth, incorporating pre-turfing fertiliser at 50 g/m<sup>2</sup>

drainage problem and/or soil pan. If conditions make drainage necessary this should be provided away from the tree, with the base of the pit sloped to direct water into a drainage pipe. Backfill of tree pits should be in layers of 150mm at a time starting with subsoil followed by layers of topsoil with compost etc. as shown above. Ensure trees in hard surfaces and in restricted areas are planted in accordance with the appropriate tree planting detail with sufficient volumes of tree soil. All trees are to be watered thoroughly, immediately after planting. The landscape contractor shall allow for provision of all equipment to complete this initial watering, using water supply point as directed

All heavy standard trees shall be double staked with 100mm diameter stakes and a half-round timber cross-brace fitted to the windward side of the tree within 25mm of the top of the stakes ensuring that the Stakes are to be securely driven into the ground prior to planting to a height above ground that is one third of the height above ground of the tree when planted to allow free movement of the crown. Secure street trees to cross-brace with an adjustable plastic / rubber tie with spacer and buckle (buckle end to be nailed to stake).

Secure POS trees with a bio-degradable hessian tree tie, wrapping the material round itself to form a spacer and nailing it to the stake or cross-brace. Each tree should be fitted with a tree irrigation/aeration system unit fitted to fully surround the root ball in accordance with the details. Refer to specific tree planting details. Linear root barriers where required should be installed as near to the surface or service route to be protected as possible to provide as much rooting area for the trees as possible. Ensure that there are no sharp objects close to either side of the barrier and that the top edge of the root barrier remains 10mm above the surface on the tree side with no growing medium over the top of the barrier. Overlapping ends should be joined by taping both sides with jointing tape.

All trees and shrubs are to be watered thoroughly, to full ground capacity, immediately after planting and before the application of mulch. The landscape contractor shall allow for provision of all equipment to complete this initial watering, using water supply point as directed on site. Ensure the area to be mulched is entirely free from annual and perennial weeds and has been watered prior to applying an even spread of mulch to planting areas to control weeds and retain moisture. Unless instructed otherwise apply good quality bark mulch to a depth of 75mm to planting beds, hedgerows and tree stations.

Where stone mulch is requested by the regional office apply 40mm of stone over Plantex Geotextile membrane or equivalent pegging down with metal pegs. Finished soil levels adjacent to buildings are to be 150mm below damp proof course. For planted areas where 75mm depth bark mulch is specified the soil should be graded down to adjacent paved or grass surfaces to 90mm below the paving or grass. This allows for full depth of bark mulch with 15mm clearance. Where 40mm depth stone mulch is specified with geo-textile membrane grade to 55mm below paving or grass within 500mm. Finished mulch levels should be no higher than 15mm below adjacent pavement or grass levels to avoid any spillages.

Bare root plants are to be notch planted, ensuring the notch is vertical and deep enough for the roots to hang freely. The notch is to be closed and the soil well firmed around the roots. Any container grown or root balled plants are to be pit planted. All stock is to be fitted with a 60cm minimum size clear plastic spiral rabbit guard secured to a bamboo cane, or with a tree shelter secured to a stake as appropriate. Hedges are to be trench planted in a trench 450mm wide X 300mm deep planting in a double staggered row at 330mm centres with 300mm between rows, backfilling with the excavated material incorporated

with a general purpose slow release fertilizer at a rate of 100gm/m<sup>2</sup>. Each plant is to be fitted with a clear plastic spiral rabbit guard secured to a bamboo cane support. Any container grown or root balled plants The area to be turfed shall be cultivated to a minimum depth of 150mm removing all weeds, debris and stones over 25mm diameter which should be placed in waste skips provided or as directed by the site

5.2 Delivery and Storage Turf shall be supplied in accordance with the most current BS 3969 Recommendations for Turf for General Purposes. Turf shall be cultivated high grade turf well rooted seeded turf free from stones, weeds and course grasses. It shall be close textured, green in colour and be sufficiently fibrous to withstand handling. Turf rolls shall be regular in shape, 300mm wide and of uniform thickness (minimum 25mm). The grass shall be closely mown and shall not exceed 25mm in height. Turf shall be stacked in piles of up to 1 metre. It shall not be laid in frosty or waterlogged conditions and shall not be stacked in rolls for more than three days. Any turf deemed to be substandard shall be

Turfing operations shall be in accordance with the most current BS 4428. Turf should be laid when weather conditions are suitable and not during exceptionally frosty or dry weather conditions. Turf is to be laid with staggered joints, well butted together, and in firm contact with the soil working from planks positioned on turves already laid. At no time should freshly laid turf be walked on without the The turf shall be watered immediately on completion. The landscape contractor shall allow for provision of all equipment to complete this initial watering, using water supply point as directed on site.

Any unevenness shall be made good by lifting the turf and adjusting the levels. Should shrinkage occur, fine topsoil shall be brushed into the joints. Where trees are planted in turfed areas a 750mm diameter circle around each tree is to be kept clear of turf. The area to be seeded shall be cultivated to a minimum depth of 150mm removing all weeds, debris and stones over 25mm diameter which should be placed in waste skips or as directed by the site manager. The surface shall be raked to smooth flowing contours with a fine tilth, incorporating pre-seeding fertiliser at 50 g/m<sup>2</sup> unless otherwise stated and work into top 50mm during final cultivation.

All Grass seed shall be sown in March / April or September during calm weather conditions and not when the ground is frost bound or waterlogged. Seed shall be sown in two equal sowings in traverse directions at 35g/m² total unless otherwise stated. After sowing the contractor shall lightly rake the seed into intimate contact with the soil. All wildflower seed mixes are to be from a certified source with local provenance seed stock. Ground preparation to be as supplier's specification/ guidance. Sowing applications may vary but are likely to be

The landscape contractor shall maintain all none private landscape areas for a period of 12 months following practical completion to ensure successful establishment. All stock deemed to be dead, dying or diseased within the 12 months defects period shall be replaced by the contractor at own cost. he contractor should factor in 12 months of repeat visits, sufficient for the establishment and aftercare of all planting. None private areas can be identified for each site

Private plot landscaping will be handed over to the householders as and when each house is occupied, the site will be responsible for watering until handover. All planting areas are to be kept weed free by hand weeding unless otherwise specified. Providing adequate mulch, as specified, should aid this. Mulch should also be topped up as required

All areas are to be kept litter free Watering to planted areas is to be undertaken as necessary to ensure plants become established. All trees and shrubs are to be watered thoroughly, to full ground capacity, immediately after planting and before the application of mulch. The landscape contractor shall allow for provision of all equipment to complete this initial watering, using water supply point as directed on site.

Each tree is to receive at least 30 gallons when watered. During maintenance visits, watering should take place as required. Watering visits should be factored in within the 12 months defects period, especially during times of prolonged dry weather. 6.4 Checking Ties All tree ties and stakes are to be checked, adjusted (if too loose, too tight or if chaffing is occurring) and replaced if damaged or missing. Any broken stakes are to be replaced.

Any damaged shoots/branches are to be pruned back to healthy wood. Plants are to be pruned in accordance with good horticultural practice to maintain healthy well-shaped specimens. Shrubs grown for their coloured stems, such as Cornus, are to be cut back each spring to encourage new growth All hedges are to be clipped to help form hedge to dimensions on drawing/ Management Report. Cut back off pavement & kept to a maximum height of 1.2m unless specified otherwise.

When newly turfed & seeded areas reach 50mm they should be lightly rolled and cut to a height of 40mm. All arising's shall be removed. Any bare patches shall be made good at this time. Lawn areas should then be cut at appropriate intervals during the growing season to maintain a 40mm high sward. Watering, weeding and repair of all erosion and settlement with re-seeding or turfing shall be undertaken as required to establish a uniform and healthy stand of grass

PLANTING SCHEDULE

NON-NATIVE STREET TREES - Extra Heavy Standard Acer campestre 'Streetwise' Acer platanoides 'Drummondii' 14-16cm 400-450cm 45-85L Extra Heavy Standard: 5 brks: C 14-16cm 400-450cm 45-85L Extra Heavy Standard: 5 brks: C Betula utilis jacquemontii Carpinus betulus 'Frans Fontaine' 14-16cm 400-450cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm Liriodendron tulipifera 14-16cm 400-450cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm Malus 'Evereste' 14-16cm 400-450cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm Malus 'Golden Hornet'
Malus baccata 'Street Parade'
Prunus 'Snow Goose'
Prunus x subhirtella 'Autumnalis'
Pyrus calleryana 'Chanticleer'
Sorbus aria 'Lutescens'

14-16cm 400-450cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm 14-16cm 400-450cm 45-85L Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm Tilia cordata 'Greenspire'

NATIVE POS TREES - Extra Heavy Standard Acer campestre 14-16cm 400-450cm Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm Betula pendula 14-16cm400-450cmExtra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm Carpinus betulus 14-16cm 400-450cm Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm Fagus sylvatica 14-16cm 400-450cm Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm Malus sylvestris 14-16cm 400-450cm Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm Prunus avium 14-16cm 400-450cm Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm Prunus avium 14-16cm 400-450cm Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm Quercus robur 14-16cm 400-450cm Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm Salix caprea 14-16cm 400-450cm Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm 14-16cm400-450cmExtra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm 14-16cm 400-450cm Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm

1+1: Transplant - seed raised: Branched: 5 Brks: C Carpinus betulus llex aquifolium 'J.C. van Tol' 40-60cm Leader with Laterals: C Ligustrum vulgare Branched: 4 brks: C

**NON-NATIVE ORNAMENTAL SHRUBS** Abelia x grandiflora 'Francis Mason' Aucuba japonica 'Crotonifolia' Branched: 6 brks: ( 40-60cm Bushy: 6 brks: C Choisya 'Aztec Pearl' Bushy: 7 brks: C Bushy: 7 brks: C Choisva ternata hoisya ternata 'Sundance' Bushy: 6 brks: C Cistus x corbariensis laeagnus x ebbingei 'Limelight' Branched: 4 brks: ( uonymus fortunei Emerald Gaiety' 25-30cm 30-40cm 5-7.5L uonymus japonicus 'Ovatus Aureus' 60-80cm Hebe 'Great Orme' 30-40cm Hebe 'Marjorie' Bushy: 7 brks: C Bushy: 7 brks: C Bushy: 7 brks: C Bushy: 7 brks: C HEBMW 40-60cm Hebe 'Mrs Winder' Hebe rakaiensis Hypericum 'Hidcote' Lonicera nitida 'Baggesen's Gold' onicera nitida 'Maigrün' Bushy: 10 brks: ( Mahonia aquifolium Branched: 4 brks: Olearia x haastii Bushy: 9 brks: C 60-80cm Bushy: 7 brks: ( Osmanthus x burkwoodii Pieris Flaming Slive Bushy: 5 brks: C Bushy: 6 brks: C Bushy: 5 brks: C OTFRREA Potentilla fruticosa 'Red Ace' Prunus laurocerasus 'Otto Luyken' PRULAOL 40-60cm Rosmarinus officinalis Bushy: 8 brks: C Bushy: 9 brks: C Bushy: 4 brks: C Bushy: 7 brks: C 40-60cm Sarcococca confusa 40-60cm Spiraea japonica 'Goldflame' 30-40cm Viburnum davidii 40-60cm Viburnum tinus 'Eve Price' Viburnum x burkwoodii Branched: 5 brks: (

**NON-NATIVE ORNAMENTAL GRASSES** 

Carex morrowii 'Ice Dance' 2L

NATIVE HEDGE MIX - Individual species to be planted together in groups of 3-7.

Number Abbreviation Species Height Pot Size Density Specification Acer campestre 60-80cm : Transplant - seed raised: Cornus sanguinea 60-80cm 1+1: Transplant - seed raised: E CORAV Corylus avellana 60-80cm 6/m 1+2: Transplant - seed raised: Branched: 3 brks: E Prunus spinosa 60-80cm 6/m 1+1: Transplant - seed raised: Branched: 2 brks: E Sambucus nigra 60-80cm 6/m 1+1: Transplant - seed raised: Branched: 3 brks: E

NATIVE SCRUB MIX - Individual species to be planted together in groups of 3-7. Height Pot Size Density Specification Cornus sanguinea 60-80cm 1+1: Transplant - seed raised: Branched: 3 brks: B 1/m<sup>2</sup> Leader with Laterals: C Ilex aguifolium 60-80cm 3L 1+1: Transplant - seed raised: Branched: 2 brks: E Prunus spinosa ROSCA 1/m<sup>2</sup> 1+1: Transplant - seed raised: Branched: 3 brks: B Rosa canina Sambucus nigra 60-80cm 1/m<sup>2</sup> 1+1: Transplant - seed raised: Branched: 3 brks: B Viburnum opulus 60-80cm 1/m<sup>2</sup> 1+2: Transplant - seed raised: Branched: 3 brks: B

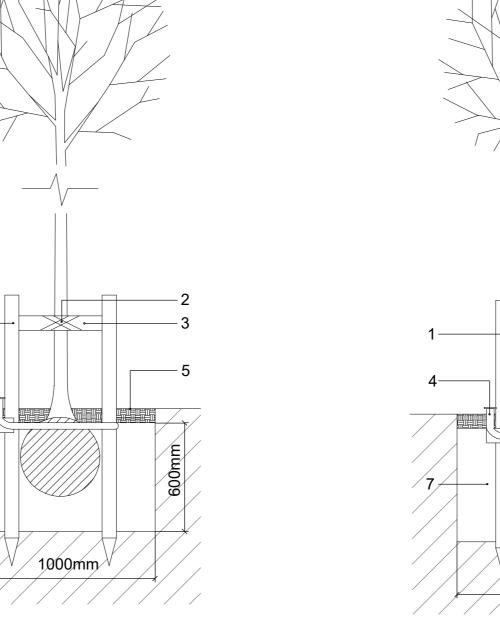
NON-NATIVE SENSORY MIX - Individual species to be planted together in groups of 3-7.
Number Abbreviation Species Height Pot Size Density Specification Bergenia cordifolia Briza maxima Heuchera 'Chocolate Ruffles' 5/m² Bushy: 6 brks: Hypericum calycinum LAVAN Lavandula angustifolia ROSOF Rosmarinus officinalis 5/m<sup>2</sup> Bushv: 5 brks: 0 Stachys byzantina

NATIVE MARGINAL MIX - Individual species to be planted together in groups of 5 minimum in nutrient poor soil.

Number Abbreviation Species Pot Size Density Specification Caltha palustris 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex acutiformis 50cc min. 5/m² Plug: Established Root min. 2-3 months: Sept to April planting: British Native-origin: Carex

NATIVE BULB MIX Hyacinthoides non-scripta Grade 6/7 Narcissus pseudonarcissus Grade 5/6 25/m

- Extra Heavy Standard Plot Trees - Extra Heavy Standard POS Trees



1. 2x Timber tree stake - 100Ø x 1.8m long (tanalised)

Adjustable plastic / rubber tie with spacer and buckle (buckle end to be nailed to brace) FSC Timber cross brace \*

Irrigation System - nail to stake with 50mm galvanised nails. Ensure filler cap finishes slightly above mulch level Mulch layer - 75mm Ornamental

Bark Nuggets 15-65mm

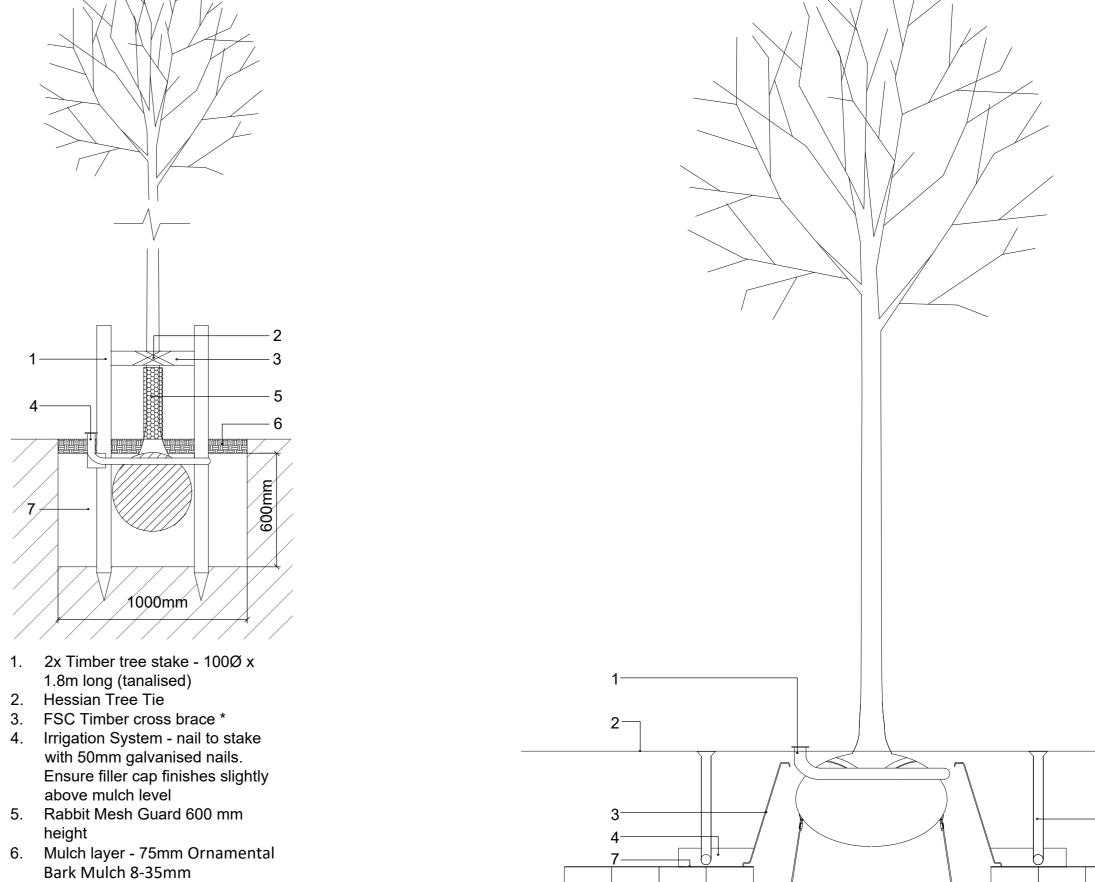
Base of tree pit to remain undisturbed, sides scarified NOTE: Secure at a height no more than  $\frac{1}{3}$  of the total height of the tree above ground when

Topsoil, compost and fertiliser.

NOTE: Where trees are within 5m of roads and services and within 3m of footpaths linear root barrier with root deflecting ribs, is to be installed in accordance with manufacturers instructions. Barrier is to be adjacent to the surface or service route to provide maximum rooting

PROPOSED TREE PLANTING DETAIL PROPOSED TREE PLANTING DETAIL PROPOSED TREE PLANTING DETAIL

- Trees that require Strata Cells



1. Irrigation system wrapped round root ball and with filler cap Plant bed/Turf

3. Modular rigid root barrier system 4. Clean stone layer surrounding aeration/irrigation pipe

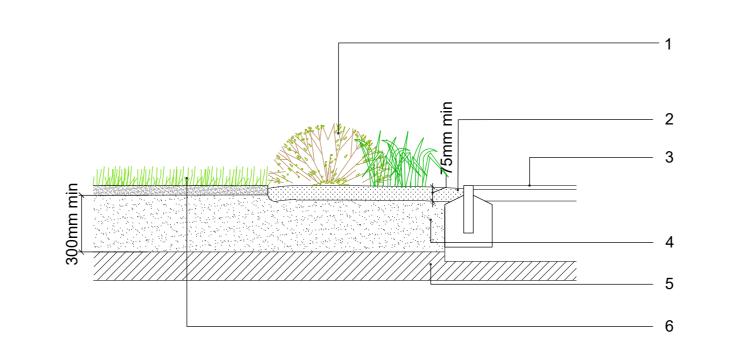
5. Double inlet aeration/irrigation system

6. Strapped anchor system c/w ground anchors / dead men 7. Permeable membrane laid between stone and soil cells 8. GreenBlue Urban Strata Cells loaded with topsoil - sandy loam to BS3882

NOTE: For quantity and locations of Strata Cells, see plan.

## PROPOSED PLOT PLANTING DETAIL

- Shrubs/Herbaceous/Grasses



 PLANTING 2. MULCH LAYER - Ornamental Bark Mulch 8-35mm, 75mm min depth.

- finished levels 15mm below adjacent surfaces.

3. HARD SURFACE - construction layers and depths dependant on finished surface

4. TOPSOIL - compost and fertiliser - graded down to below 90mm below the paving or grass 5. SUBSOIL

6. TURF

Topsoil, compost and fertiliser.

Base of tree pit to remain

undisturbed, sides scarified

\* NOTE: Secure at a height no

more than  $\frac{1}{3}$  of the total height o

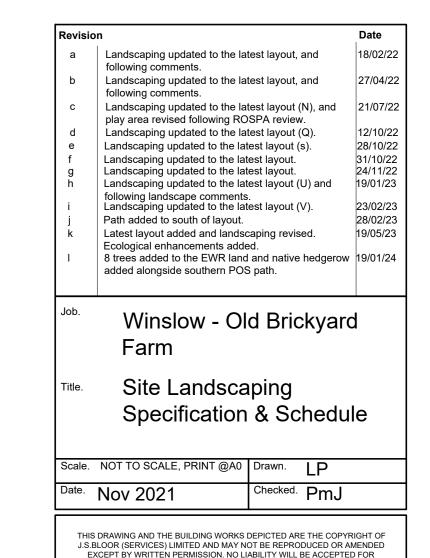
the tree above ground when

THIS SCHEDULE & THESE SPECIFICATIONS APPLY TO LANDSCAPING SHOWN ON DRAWINGS SM5145-LS-001 TO 002

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH

SEPERATE GROUP / SITE SPECIFIC CONSTRUCTION

NOTES AND MATERIALS SPECIFICATION.



J S BLOOR (SERVICES) LIMITED ASHBY ROAD, MEASHAM, SWADLINCOTE, DERBYSHIRE DE12 7JP TELEPHONE 01530 270100 FACSIMILE 01530 27200

SM5145-LS-003I

WINSLOW - OLD BRICKYARD FARM