

GENERAL TREE PIT PLANTING NOTES:

- 1. SPECIFIED MATERIALS: all to be installed in accordance with the manufacturer's
- ecommendations and/or instruction. 2. PLANTING GENERALLY: Correct planting depth is critical for transplanting success, with over-deep planting identified as a common cause of failure. The Contractor shall therefore ensure that the natural root flare of the tree is clearly visible at
- proposed finished soiling surface. To ensure that correct final planting position / depth is achieved, the Contractor shall therefore take care to remove all: soil placed above natural root flare during nursery packaging & production -

growth); TBC onsite by Contractor. All 'as dug' material to conform to BS

- rootballing, containerization, etc. adventitious roots above the root flare,
- wire encircling the main stem,
- wire cage & burlap where possible. Otherwise, peel back and remove once the tree is in the planting pit. 3. BACKFILL MATERIAL: Open ground & Verges: select 'as dug' material to be reused taking care to match adjacent soil horizons (where suitability assured for tree
- 3882:2007 General Purpose Topsoil). Remove all deleterious material arising (weeds, broken brick & large stones, etc). Backfill & lift in layers no greater than 150-230mm deep. Compact to between 1.5 - 2.0 mega pascals: tread down using footfall, paying particular attention to the planting hole edges and rootball extents to eliminate voids. Avoid over compaction. Hard Paved Surfacing: Use Heicom Tree Soil within primary rooting zone to manufacturers instruction. Compact to manufacturer's recommendations. Backfill loose & dry (as approx. 20% is lost by volume upon compaction) into the tree pit. Lift in layers no greater than 250-300mm deep, and compact to between 1.5 - 2.0 mega pascals making sure the material is dry as proper compaction cannot be achieved when wet, paying special attention to the edges of the tree pit. A calibrated Penetograph can be used by a specialist approved by the soil supplier, and employed by the Contractor who installed the soil, to assess and confirm the level of compaction. The corresponding graph should be supplied to both the Project Structural Engineer, the Landscape Contractor & the Contract Administrator for information before tree planting commences. N.B. In the event that trees are to be installed into the root director post completion of surfacing & construction build-up; the contractor shall take care to install the root director to the correct line, form and level, and ensure that the root director void is filled and compacted with the
- construction build up. Reason: to prevent the root director from being crushed during the construction build-up process. This temporary fill can then be dug-out at tree planting to accomodate the rootball. 4. BACKFILL SOIL AMELIORANTS: the Contractor shall satisy himself of the general suitability of the topsoil supplied for long term tree growth. Reason: to ensure the long term longevity of the tree supplied. Thereafter: to suit site conditions.

specified tree soil *prior to* the commencement of associated surfacing and

- Typically, this may comprise 0.5kg of broadleaf p4 or similar (pre-hydrated with water) thoroughly mixed with the topsoil until the medium is homogeneous. 5. ARISINGS: all deleterious material arising, shall be removed offsite to a licensed tip by the Contractor. 6. TREE SUPPORT SYSTEMS: Unless otherwise stated, all trees within public open
- spaces shall be supported as identified on the Softworks drawings which use both the Triple Stake (Tst) & Underground Guyed (UG) method of tree support. In the case of high wind loading / vandalism, the Triple Stake & Crossbar method may be substituted for the Double Stake & Crossbar (DstXb) method. In rear gardens the Single stake (Sst) method shall be used.
- Tree support stakes along transport conduits are to be orientated in accordance w/t Detail 3 opposite.
- Tree support stakes to butt up against the rootball to help stabilise it. Tree support height above ground shall be as identified on Detail 3.
- Stakes to be removed to a minimum 150mm below ground level with no sharp edges as soon as the developing root system is self-supporting & root firmness is proven.
- Irrigation pipes to be installed around the AG tree support system & on top of the the UG tree support system. ROOT PROTECTION MEASURES: supply & install permeable rootbarriers (Terram RootGuard, or equal & approved) to a min. depth of 600mm below ground.
- *Installation*: as per manufacturer's instruction. *Finished level*: top of barrier to be 10mm above G.L. *Zone of Deployment*: protection of hard surfacing / services lying within a min. 5m radius of the proposed tree and or as dictated on plan. **8. IRRIGATION:** *Open ground & Verges*: Create topsoil chaucer as Detail 2. Water at frequence necessary to ensure establishment & survival.
- 9. DRAINAGE: the contractor shall satisy himself that the tree pit is free draining. The contractor shall notify the Contract Administrator of any problem areas and await further instruction before proceeding further. Reason: to ensure the
- longevity & viability of the tree supplied. TBC onsite. 10. BARK MULCH: Amenity, 8-40mm particle size, mid dark brown, Rolawn (or equal & approved). *Coverage:* 75mm deep, 1m Ø around base of tree.

Issue: Drawn by David Jarvis Associates Limited (CROWN COPYRIGHT. ALL RIGHTS RESERVED 2015 LICENCE NUMBER 0100031). This drawing is for Planning purposes only - Do not use this drawing for Construction. The information contained in the drawing should be used as a guide to the final forms and finishes of the landscape scheme. Any revisions to be approved by the Client and Level Authority of the Company of the

Scaling: Do not scale this drawing. Use given dimensions only.

Setting out: refer to Engineers for information regarding setting out. In the event of discrepancy refer to Engineers in the first

Survey: Original survey provided by the Client.

considered indicative until identified on site. To ensure those services / utilities shown are current refer to the original survey provider or utilities designer or Client for confirmation and further information regarding easements. In the event of new services being installed refer to the appointed Engineer. It is recommended that hazard warning tape 'danger electric cable'/'danger services' to be installed over all service routes (to remain on site) to current BS guidelines (BS7671).

crossing demarkation, construction build-up, levels, drainage etc., to be provided by an appropriately qualified structural/highways/civil engineer to be appointed by the client for presentation to [and subsequent discharge from] the relevant supervising authority and/or body. Lighting: Refer to lighting engineers drawings.

Planting: Plant species are selected and located in line with consideration of the site conditions, NHBC guidelines and discussions with the Local Authority and design team. All plants and planting procedure to conform to the David Jarvis Associates Limited Landscape Specification that will accompany the Construction issue drawings. No species or plant location is to be varied without prior consent of the Landscape Architect.

Tree Root Protection Measures: supply & install permeable rootbarriers (Terram RootGuard, or equal & approved) to a min. depth of 600mm below ground. Installation: as per manufacturer's instruction. Finished level: top of barrier to be 10mm above G.L. Zone of Deployment: protection of hard surfacing / services lying within a min. 5m radius of the proposed tree. To be increased to 1000mm depth where services / utilities require this - to be determined at Construction.

Foundations: Developers / Contractors to ensure that all foundations (buildings and external walling) are designed and constructed so as to take into account, at the time of maturity, any existing or proposed trees, hedgerows or other vegetation on the application site or existing vegetation on land adjoining the site at the time of construction and any trees felled or hedgerows removed on or adjacent to the site during the previous 15 years. For this purpose the developer / contractors will submit all relevant details to the authority dealing with the Building Regulations Certificate

Design Levels: Refer to Engineers where design levels are not shown. CDM: Drawings to be read in conjunction with Designers risk assessment. Potential risks above that of those associated with the general construction typical to the drawing are identified below;

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PLANNING

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ELMSBROOK, BICESTER PHASES 3 & 4

Drawing Title

TYPICAL TREE PLANTING DETAILS

Scale Sheet Size 1:25 **A1** 04/12/2017 14790/5500