

SUB-BASE: ARBOR-RAFT SYSTEM USING PERMEAVOID 150 - (708x354x150) RIGID CRATE SYSTEM (INSTALLED IN

- ROOT BARRIER: 600mm DEEP, WATER PERMEABLE

GENERAL TREE PIT PLANTING NOTES:

- 1. **SPECIFIED MATERIALS:** all to be installed in accordance with the manufacturer's recommendations 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
 - 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.
- BACKFILL MATERIAL: Open ground: select 'as dug' material to be reused taking care to match adjacent soil horizons (where suitability assured for tree growth); TBC onsite by Contractor. All 'as dug' material to conform to BS 3882:2007 General Purpose Topsoil). Remove all deleterious material arising (weeds, broken brick & large stones, etc). Hard Paved Surfacing: Use good quality topsoil to BS 3882: 2007 within primary rooting zone (rootcells) 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 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
- 4. BACKFILL SOIL AMELIORANTS: the Contractor shall satisy himself of the general suitability of the top soil supplied for long term tree growth. Reason: to ensure the long term longevity of the tree supplied. Thereafter: TBC onsite. ARISINGS: all deleterious material arising, shall be removed offsite to a licensed tip by
- the Contractor. TREE SUPPORT SYSTEMS: Unless otherwise stated, all trees in hard surfaces open ground &/or verges will be supported using underground guying as identified by Detail 1 & 2 opposite.
- Earth anchors to be driven, set and installed in accordance with the manufacturer's recommendations and/or instruction.
- Earth anchors to include all rqr'd straps, cables, cable tensioner & deadman anchors (kerbstones, timber sleepers etc.)
- Underground guying (UG) systems (generally): supply & fit, Green Leaf Arbor guying system UG system (\leq EH, supply & fit: SASMP, \geq SM, supply & fit: SASLP.
- In areas of made ground (Detail 2, 4 & 5), substitute: 'duckbill' earth anchors (Greenleaf SASMP / SASLP), with: deadman anchoring system (Greenleaf SASDMA,
- Platipus Deadman D-MAN system, etc). • Tensioning mechanisms and straps should be placed as shallowly as possible with only a light covering of the approved surfacing to avoid planting too deep. Tensioning mechanisms should be removed as soon as the developing root system is self supporting.
- Irrigation pipes to be installed over the top of the BG 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. **IRRIGATION:** Supply & fit: *Open ground*: 60mm Ø flexible polypropylene perforated
- drainage pipe. Wrap twice around the rootball. Proposed supplier: Greenleaf Rootrain Urban, RRURB3A (or Equal & Approved). Hard paved surfacing : As per Tree Grill suppliers recommendation
- DRAINAGE: the contractor shall satisy himself that the tree pit is adequately drained, making adequate provision to do so where so required, and as site conditions dictate (i.e. supply & fit 100mm ϕ , flexible, perforated polyproplene drainage pipe. Reason: to ensure the longevity & viability of the tree supplied. TBC onsite.

Notes

Issue: Drawn by David Jarvis Associates Limited (CROWN COPYRIGHT. ALL RIGHTS RESERVED 2011 LICENCE NUMBER 0100031). This drawing is for information purposes only - Do not use this drawing for Construction.

Drawing Information: Information on this drawing is provided in the context of .dwg information provided by: Hunters Architects (Site G.A. plan) & WSP Engineers (Car park G.A).

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

Construction Design Information: to Engineer's design, detail & specification.

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

Construction Information: all detailed design (including, but not necessarily limited to), bond patterns, kerbing, edging, tactile crossing demarkation, construction build-up, levels, drainage etc., to be provided by an appropriately qualified structural/highways engineer to be appointed by the client for presentation to [and subsequent discharge from] the relevant supervising authority and/or body.

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 Architec

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.

Drawing Revision Rev Date

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с	12/11/2015
В	30/10/2015
А	15/10/2015
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Description

Client name change Flag paving updated to match revised Hard Surface Strategy. Omit: structural tree soils reference within General Tree Planting Notes. First Issue.

Drawing Status



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Project

KINGSMERE, PHASE 1 LOCAL CENTRE

Drawing Title

TREE PLANTING IN HARD SURFACES

Date Sheet Size Scale **OCT 2015** 1:20 **A1** Revision С 2226/LC/D007