

TREE TRUNK CENTRALLY PLACED

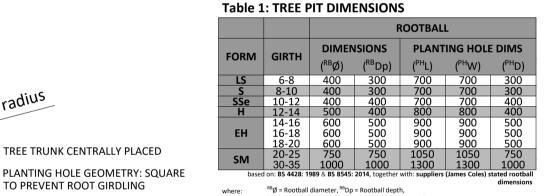
TO PREVENT ROOT GIRDLING

BARK MULCH EXTENTS

- GRASSED SURROUNDS

500 radius

- ROOTBALL



^{PH}L = Planting Hole length, ^{PH}W = Planting Hole width, ^{PH}D = Planting Hole depth LS = Light Standard, S = Standard, SSe = Selected Standard, H = Heavy Standard, EH = Extra Heavy Standard, SM = Semi Mature N.B. Stated tree planting hole dimensions to accommodate the rootball are a minimum. Rootball M.B. Stated tree planting note dimensions to accombinate rise nototian are a minimum. Notional dimensions can, & do, vary: some variance is to be expected naturally between species, tree stock, suppliers and season. In the event that the rootball exceeds the stated dimensions, the contractor shall seek advice from the Landscape Architect before commencing further. Thereafter, the Landscape Contractor shall excavate the hole (in Open Ground) to the advice given in BS 8545: 2014 with the exception of tree pit dimensions which shall be varied to achieve a minimum dimension of 150mm greater* than the rootball. Tree planting hole depth shall generally be no greater than the existing rootball or container depth. The Landscape Contractor shall take care not to damage any underground utilities & for services. utilities &/or services. * where root spread is taken to be rootball size.

**Section 10.5.10 of B5 8545:2014 states that, "Tree pits should have a diameter at least 75mm greater than that of the root system." However, this does not allow adequate space for firming in around the rootball by footfall.

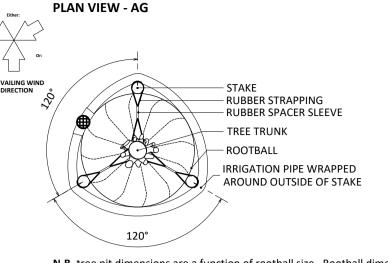
TREE PLACEMENT: PLANTING HOLE CENTRE **SECTION ELEVATION** ROOTCOLLAR FLARE: SET JUST PROUD OF G.L. BARK MULCH: AMENITY, 75mm DEEP, GRADE BACK TO EXPOSE ROOT FLARE BACKFILL LEVEL: ABOVE G.L. TO ALLOW FOR SETTLEMENT & TOPSOIL SAUCER: CREATE FOR WATERING PURPOSES & TO RETAIN MULCH 500 radius TOPSOIL TO BS 3882 PLANTING HOLE SIDES: RIP / FORK THOROUGHLY TO AID ROOT PENETRATION & DRAINAGE BURLAP / WIRE CAGE / CONTAINER: REMOVE BACKFILL MATERIAL: TO MATCH ADJACENT SOIL HORIZONS 300mm - (MAX) MULTI-PURPOSE TOPSOIL TO BS 3882 & SUBSOIL TO BS 8601 - AMELIORANTS: TBC ONSITE, THEREIN: AS REQUIRED

CIRCULAR TABLED SURFACE: ADJUST HEIGHT IF REQUIRED TO PREVENT OVERDEEP PLANTING & ALLOW FOR DEVELOPMENT OF EVENLY SPACED LATERAL ROOTS. IDEALLY, TREE PIT BASE SHOULD BE CONCOMITANT WITH ROOTBALL BASE. **N.B.** tree pit dimensions are a function of rootball size. Rootball

PLANTING HOLE BASE / FORMATION LEVEL: DISH TO PREVENT PONDING, RIPPING: NOT REQUIRED

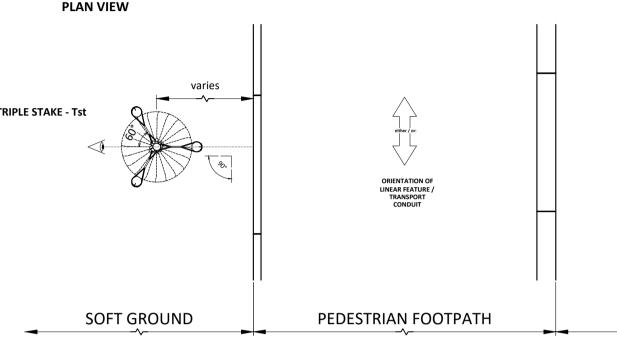
Information regarding 'Tree Planting in Open Ground, Generally' on this sheet is derived from "BS 8545: 2014
Trees: from nursery to independence in the landscape - recommendations". While every attempt is made to address the most salient points raised [within the BS], this list should not be considered exhaustive as it is presented in summary format only. For further information, the reader is referred back to the relevant British Standard.

ABOVE GROUND SUPPORT Scale 1:25 / TRIPLE STAKED (Tst) TREES

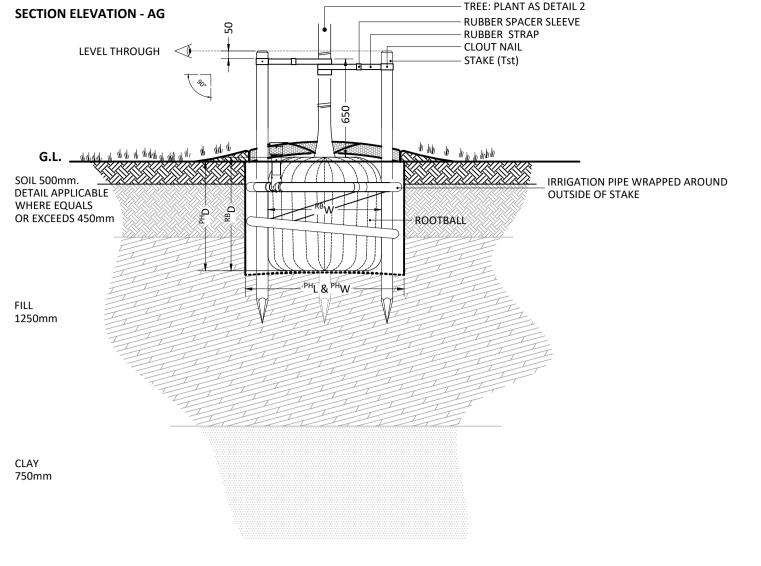


N.B. tree pit dimensions are a function of rootball size. Rootball dimensions are dependant on size of tree specified. Refer to Table 1, detail 2

STAKE TYPE ORIENTATION IN PROXIMITY TO TRANSPORT CONDUITS / AVENUE / SPINE ROAD PLANTING / ETC.



CARRIAGEWAY



BELOW GROUND TREE SUPPORT UNDERGROUND GUYED (UG) TREES Scale 1:25

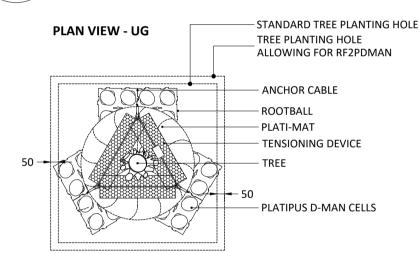


TABLE 2: VERGE GUYING SCHEDULE

TEMS	SPECIFICATION		
EARTH ANCHORING SYSTEM:	UNDERGROUND GUYED		
MANUFACTURER:	PLATIPUS		
MODEL:	D-MAN		
D-MAN CELL DIMENSIONS:	270x270x80mm (LxWxD)		
CODE:	RF2PDMAN		
SUITABLE FOR:	12-45cmg TREES		
SYSTEM COMPRISING:	3no. Wire Chokes, 5m galvanised wire, 1no. ratchet tensioner, 3no. Plati-Mats, 6no. D-MAN cells (3 x 2no. cells connected).		
I.B. Earth Anchoring Systems are to be installed to manufacturer's			

recommendations & requirements with a minimum of 3no. earth anchors & associated cables to be fitted per tree

The RF2PDMAN system has been preferentially selected over the RF1PDMAN system b/c of adverse site conditions (exposure, wind & ground conditions).

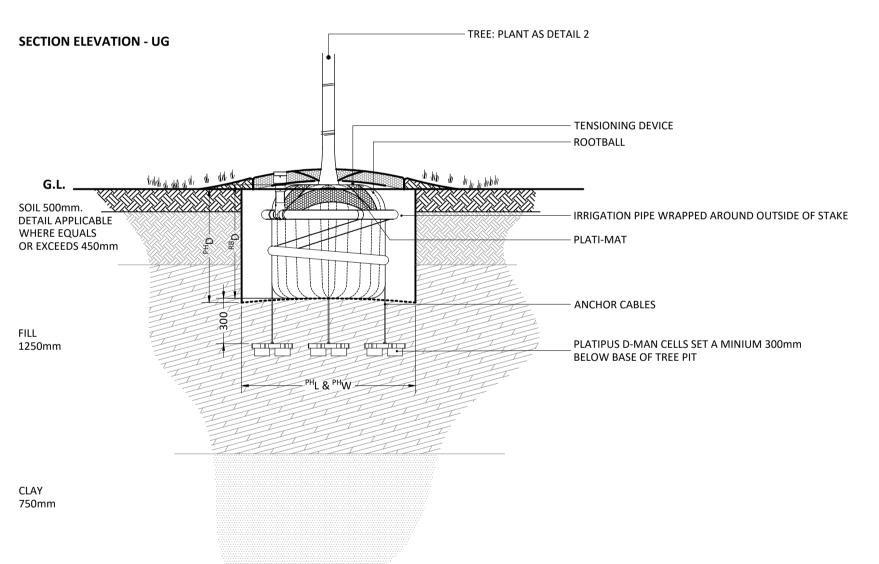


Table 3: TREE PLANTING ACCESSORIES

INVENTORY				
Planting Type:		Tst TREES	UG TREES	
Form:		SM	SM	
Girth / Height:		20-25	20-25	
Planting Hole Dimensions	L:	1050	1150	
(length, width, depth -	W:	1050	1150	
mm):	D:	750	750	
Bark Mulch Dimensions	R:	500	500	
radius & depth (mm):	D:	75	75	
Tree Support System:		AG	UG	
Tree Support Height (mm):		650	N.A.	
Stake Type:		Tst	N.A.	
Stake Diameter (mm):		75	N.A.	
Stake Length (m):		1800	N.A.	
Tree Tie Type:		BS	N.A.	
Rubber Block Type:		N.A.	N.A.	
Rubber Spacer Type:		SLV230	N.A.	
Rubber Belt Type:		S2	N.A.	
Earth Anchoring Type:		N.A.	RF2PDMAN	
Irrigation Systems:		RRCIVIC 2	RRCIVIC 2	

F = Feathered, LS = Light Standard, S = Standard, SSe = Selected Standard, H = Heavy Standard, EH = Extra Heavy Standard, SM = Semi Mature
AG = Above Ground, UG = Under Ground. BB = Belt & Block, BS = Belt & Spacer, EA = Earth Anchoring RSB1 = Standard Double Rounded Block 50mm x 35mm for use with 24mm belting.
RSB2 = Standard Double Rounded Block 65mm x 50mm for use with 35mm belting.
RSB2 = 25mm Slot, Standard Flat Back Block 50mm x 35mm for use with 24mm belting Rubber Block Type: Spacer Type:

Belting Type:

FBS2 = 37mm Slot, Standard Flat Back Block 65mm x 50mm for use with 35mm belting SLV130 = 30cm x 25mm for use with 24mm belting SLV230 = 30cm x 40mm for use with 35mm belting SLV290 = 90cm x 40mm for use with 35mm belting S0 = 15mm x 2mm x length, standard reinforced rubber belting S1 = 24mm x 2mm x length, standard reinforced rubber belting S2 = 35mm x 2mm x length, standard reinforced rubber belting S3 = 48mm x 2mm x length, standard reinforced rubber belting HD2 = 35mm x 3mm x length, Heavy duty rubber belting

HD2 = 50mm x 3mm x length, Heavy duty rubber belting RF2PDMAN = cabled large anchor system w/t deadmen composite anchors, webbing strap & rachet tensioners. For trees up to 45cmg. RRCIVIC 2 = Greenleaf RootRain Civic 2, 60mm \emptyset , 5m long, 80mm inlet, reducer & end Irrigation System: cap, 60mm vertical pipe cut to suit onsite.

ssue: Drawn by David Jarvis Associates Limited (CROWN COPYRIGHT. ALL RIGHTS RESERVED 2019 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 Local Authority

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

GENERAL TREE PIT PLANTING NOTES:

ecommendations and/or instruction.

rootballing, containerization, etc.

wire encircling the main stem,

voids. Avoid over compaction.

firmness is proven.

tip by the Contractor.

the tree is in the planting pit.

adventitious roots above the root flare,

Underground Guyed (UG) method of tree support.

accordance w/t Detail 3 opposite.

of the the UG tree support system.

frequence necessary to ensure establishment & survival.

longevity & viability of the tree supplied. TBC onsite.

& approved). Coverage: 75mm deep, 1m Ø around base of tree.

1. SPECIFIED MATERIALS: all to be installed in accordance with the manufacturer's

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 -

• wire cage & burlap where possible. Otherwise, peel back and remove once

BACKFILL MATERIAL: Open ground & Verges: 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' topsoil material to conform to BS

3882:2015 General Purpose Topsoil & shall be reinstated to a depth of no more

than 300mm). 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

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. 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. ARISINGS: all deleterious material arising, shall be removed offsite to a licensed

TREE SUPPORT SYSTEMS: Unless otherwise stated, all trees shall be supported as

identified on the Softworks drawings which use both the Triple Stake (Tst) &

Tree support stakes along transport conduits are to be orientated in

• 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

Irrigation pipes to be installed around the AG tree support system & on top

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

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

10. BARK MULCH: Amenity, 8-40mm particle size, mid dark brown, Rolawn (or equal

sharp edges as soon as the developing root system is self-supporting & root

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.

Services: Where possible these are identified on the drawings but, for the avoidance of doubt all service/utility locations should be 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).

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/civil engineer to be appointed by the client for presentation to [and subsequent discharge from] the relevant

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.

Biosecurity: All plant stock to be sourced from a supplier certified to be pest and disease free and in accordance with Plant Passport / Animal and Plant Health Agency (APHA) and current DEFRA requirements. Supplier information / certification to be retained for a period of not less than 12 years and must be made available upon request.

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.

<u>CDM:</u> 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;

Drawing Revision Rev. Date Description DRN CKD P1 22/09/2021 First Issue.

PLANNING

DAVID JARVIS ASSOCIATES

DAVID JARVIS ASSOCIATES LIMITED 1 Tennyson Street Swindon Wiltshire SN1 5DT

t: 01793 612173

e: mail@davidjarvis.biz w: www.davidjarvis.biz

Client

BARRETT DAVID WILSON HOMES

Project

WHITE POST ROAD, BODICOTE (FULL)

Drawing Title

Scale

TYPICAL TREE PLANTING DETAILS

1:25 **DEC 2019** 2832-5-2-1 DR-5500 Р1

Sheet Size

TREE PIT: PLAN VIEW

500mm 1000mm

• BS 8545: 2014 states that, "Sensible tree pit design begins with intention of doing as little as

Tree shown planted in open ground in optimal conditions with minimal site constraints.

• Tree pit dimensions are a function of rootball size. Rootball dimensions are dependant on

possible other than digging a pit, planting the tree, and using the existing soil, separated as

subsoil and topsoil, as backfill. Each additional level of complexity added to the basic pit

2000mm

OS data © Crown copyright and database rights 2019 Ordnance Survey 0100031673

dimensions are dependant on size of tree specified. Refer to Table 1.

Tree support systems are omitted for clarity.

size of tree specified. Refer to table.

design can be related to the amelioration of a particular constraint".