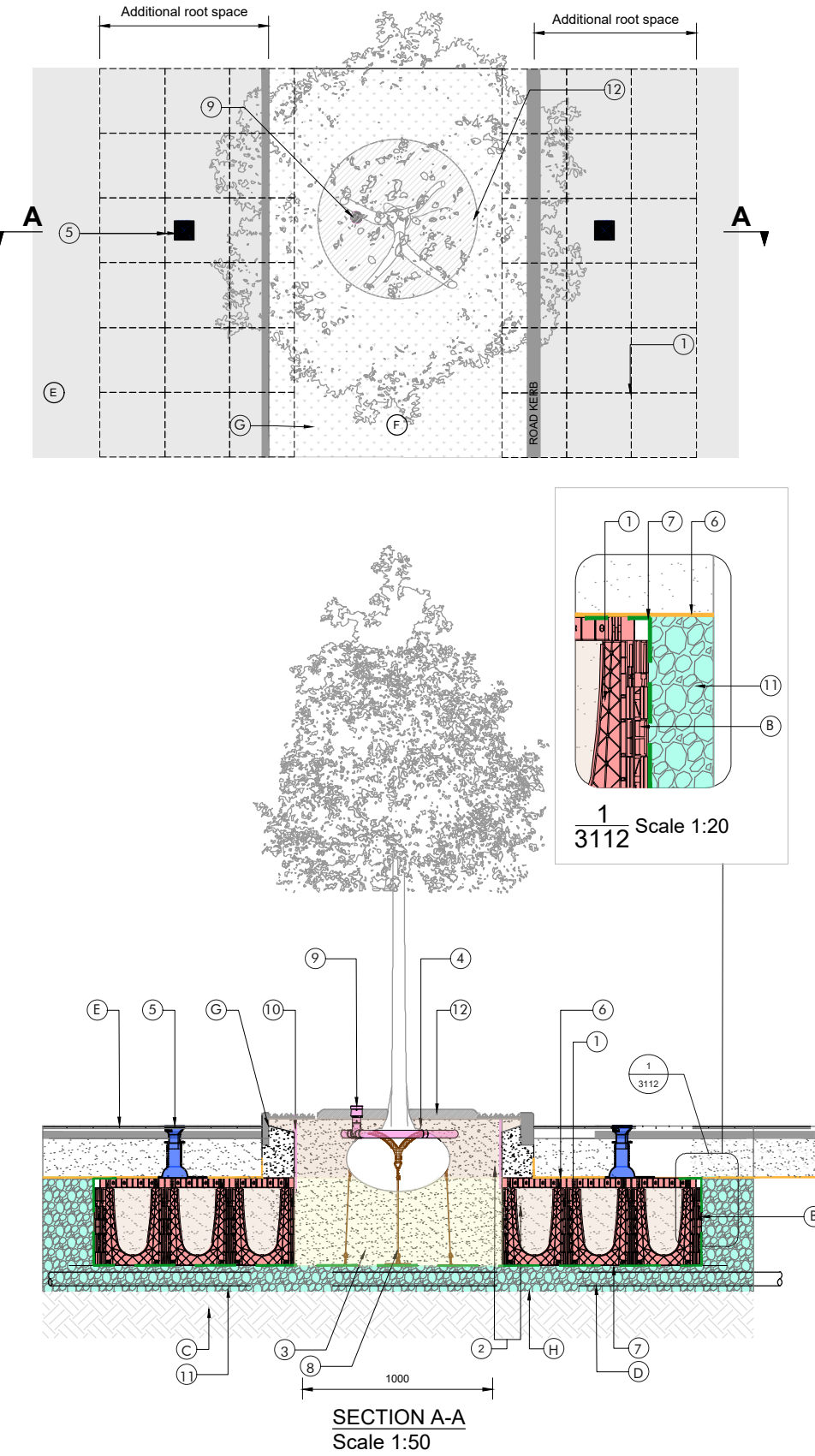


DETAIL 3. TREE IN SOFT BED WITH ADDITIONAL ROOT SPACE / SuDS TREE PIT

Additional root space using tree soil cell system to provide sufficient soil volume for healthy tree growth where tree pit is restricted by hard surfacing. Soils cell system details and volume is to be in accordance with the system's manufacturer advice



NOTES:

- (A) Allow 20% additional for geotextile and reinforced geogrid for overlap and cutting requirements
- (B) Install ROOTSPACE side panels to installation as directed by engineer
- (C) Existing ground
- (D) Positive drainage pipe (110mm perforated pipe)
- (E) Build-up to suit engineer designs and requirements
- (F) Soft landscape area
- (G) Kerb (as per standard)

STRUCTURAL ENGINEER'S NOTE:

- (H) Additional twinwall geonet (GLTWGNA) to be installed where sub-base is installed below 3% CBR - minimum 2% CBR of formation level to be assessed by engineer

KEY:

- (1) Green Blue Urban ROOTSPACE cell system c/w twin walled GEONET & open reinforcing mesh - GBURS61a or similar approved. Cell system volume and extent to manufacturer's advice i.e. as per Green Blue Urban 'Tree Species Soil Volume Guide'.
- (2) Green Blue Urban ROOTSOIL 20 topsoil or similar approved, profile depth to suppliers recommendations.
- (3) Green Blue Urban ROOTSOIL sub subsoil - ROOTSOILSUBA or similar approved, profile depth to suppliers recommendations.
- (4) Green Blue Urban ROOTSTART professional mycorrhiza fungi allow 200g per tree - RSPMF2.5la or similar approved.
- (5) Green Blue Urban ROOTRAIN ARBORVENT cast aluminium trafficable aeration inlet with 150mm square top and manifold - RRARBV150B or similar approved.
- (6) Green Blue Urban twin walled structural GEONET or similar approved (included in item 1) see note (A) - GLTWGNA
- (7) 20mm open reinforcing mesh (included in item 1) see note (A) - GRN20A or similar approved.
- (8) Green Blue Urban ARBORGUY drive in composite strapped anchor system or similar approved -product to match tree size. Refer to Table 2
- (9) Green Blue Urban ROOTRAIN urban irrigation system or similar approved - product to match tree size. Refer to Table 2
- (10) Green Blue Urban REROOT 600 root barrier or similar approved to be used (600mm deep with root deflecting ribs). Use RERJTA REROOT jointing tape for any overlaps - RER600A or other as advised by manufacturer.
- (11) Green Blue Urban 10 - 20mm clean angular drainage aggregate - GBUDRSA or similar approved.
- (12) Green Blue Urban ARBORMULCH bark mulch - GBUMULCHA or similar approved

ADDITIONAL NOTES:

DRAINAGE: Landscape contractor to assess requirement for additional pea gravel drainage layer (100-300mm depth) below subsoil layer based on observed soil conditions. Engineer to advise on integrating street tree pit drainage into main drainage system.

SERVICES: Landscape contractor responsible for identifying all services below ground prior to excavation of tree pit.

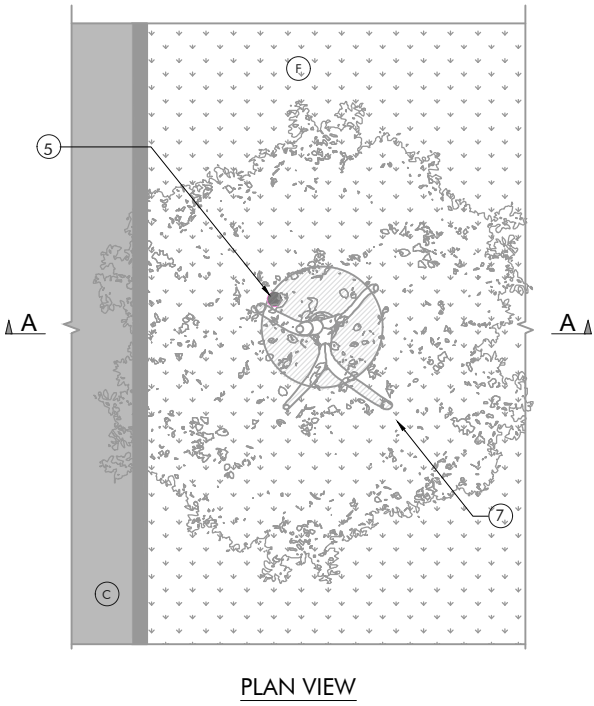
ROOT BARRIERS: To be installed to sides of tree pit if services are within 3m. Details of suitable proposed barrier to be submitted for approval. Engineer to advise on any root barrier requirements adjacent carriageway.

ANCHORING: The details present indicative anchoring system. Prior to installation the rootball anchoring system or staking details must be submitted for approval.

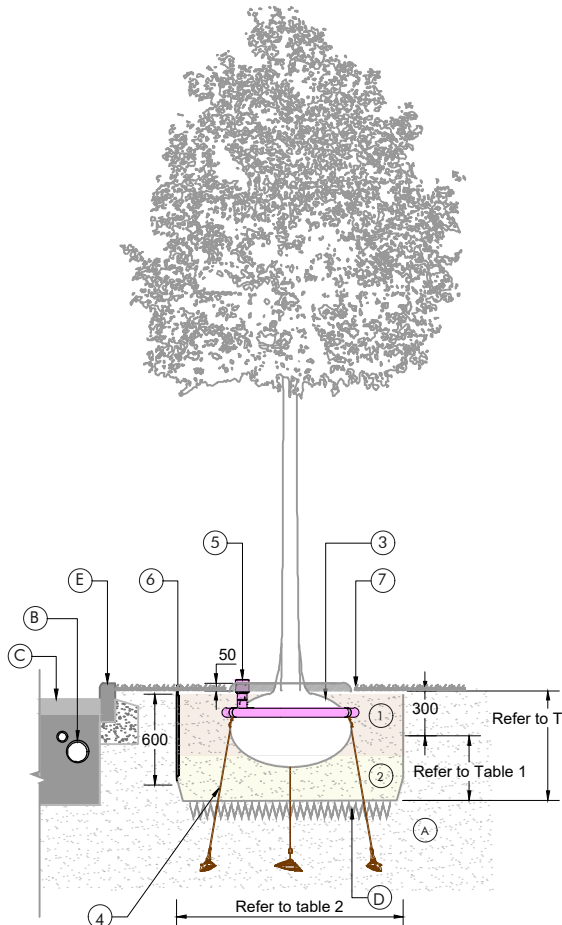
SOIL: All tree pits to be backfilled with a mixture of excavated topsoil and imported premium grade topsoil in accordance with BS 3882:2015. Topsoil enriched with sanitized and stabilized composted material certified to pas 100 and mycorrhizal inoculant. Compost to be applied at rate of 25kg/m³. Subsoil to be in accordance with BS 8601:2013.

AFTERCARE: To ensure successful establishment of trees a maintenance program must be agreed for at least 2 years. Regular monitoring, watering and rubber tie adjustment essential for development of tree.

DETAIL 2. TREE IN SOFT LANDSCAPE NEAR SERVICES



PLAN VIEW



SECTION A-A

KEY:

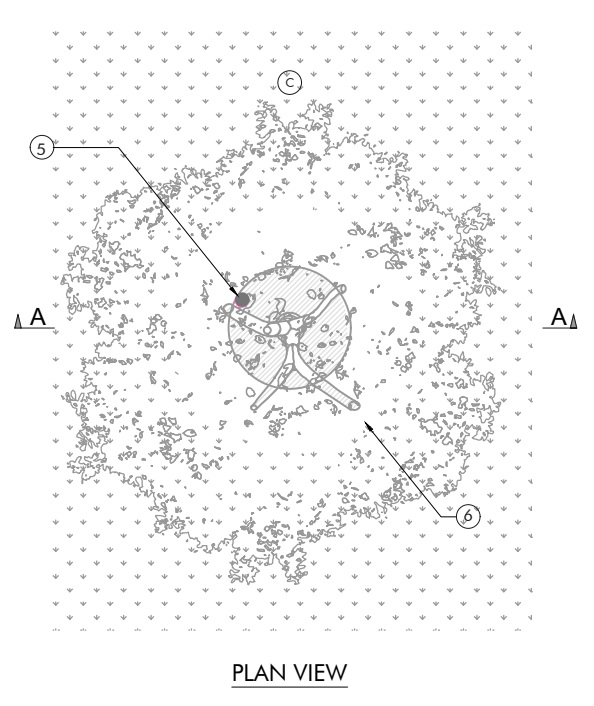
- (1) Backfill with approx. 300mm depth of topsoil. Topsoil to be a prepared mixture of excavated topsoil and additional premium topsoil to BS 3882:2015. Backfill in layers of 150mm ensuring tree is upright. Firm each layer taking care not to excessively compact soil.
- (2) Backfill with existing sub soil- depths varies depending on tree size. Refer to Table 1
- (3) Green Blue Urban ROOTSTART professional mycorrhiza fungi or similar approved. Quantity as per manufacturer recommendations.
- (4) Green Blue Urban ARBORGUY drive in composite strapped anchor system or similar approved -Product to match tree size. Refer to Table 2.
- (5) Green Blue Urban ROOTRAIN urban irrigation system or similar approved - Product to match tree size. Refer to Table 2.
- (6) If services present within 3m distance or less from the tree trunk details of suitable proposed barrier to be submitted for approval. For footpath surface protection green blue urban REROOT 600 root barrier or similar approved to be used (600mm deep with root deflecting ribs). Use RERJTA REROOT jointing tape for any overlaps - RER600A or other as advised by manufacturer.
- (7) Green Blue Urban ARBORMULCH bark mulch or similar approved - GBUMULCHA - Ø800mm x 50mm depth.

NOTES:

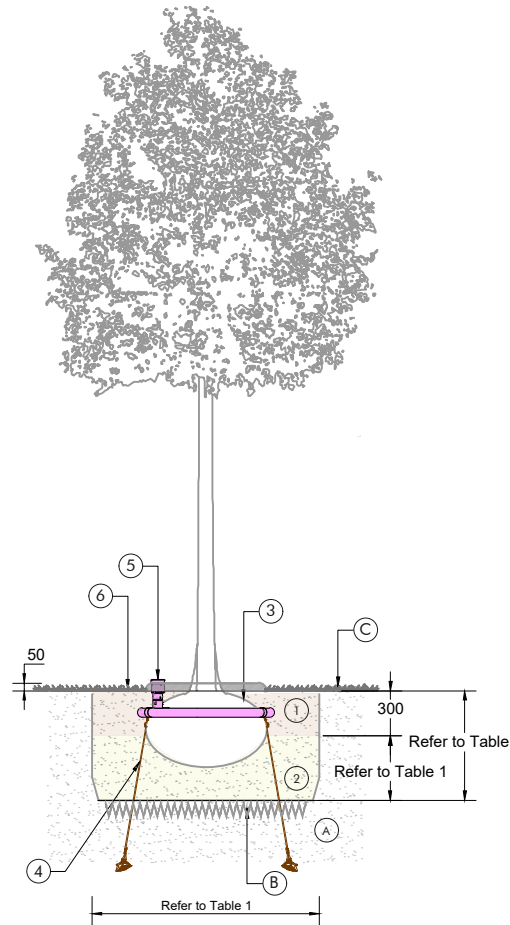
- (A) Existing ground
- (B) Service pipe
- (C) Build-up to suit engineer designs and requirements
- (D) Loosen and shape base as shown to aid root penetration drainage
- (E) Kerb (as per standard)
- (F) Soft landscape area

Table 1. Typical Tree Pit Sizes					Table 2. Accessories	
Tree Girth	Typical Rootball Size Øcm/depth cm	Tree Pit Size	Topsoil depth	Subsoil depth	Green Blue Urban RootRain Irrigation	Green Blue Urban Drive-in Anchors
8 - 10 cm	40cm/35cm	80x80x40cm	30cm	10cm	RRURB1A*	SASMCB**
14 - 16 cm	60cm/50cm	100x100x50cm	30cm	20cm		
16 - 18 cm	70cm/50cm	110x110x50cm	30cm	20cm		
18 - 20 cm	80cm/55cm	120x120x55cm	30cm	25cm		
20 - 25 cm	90cm/60cm	140x140x60cm	30cm	30cm	RRURB2A*	
					* Adjust pipe length to sit above the rootball circumference	
					** If anchors are replaced with above ground timber stakes, trees shall be secured with a peeled larch 50mm diameter double short stake. The stakes should be cut to 900 mm above ground level and the tree secured centrally between the stakes using two independent hessian ties, each looping around the tree and fixed to a stake.	

DETAIL 1. TREE IN SOFT LANDSCAPE



PLAN VIEW



SECTION A-A

KEY:

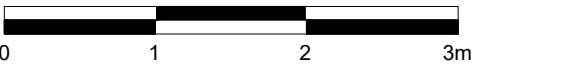
- (1) Backfill with approx. 300mm depth of topsoil. Topsoil to be a prepared mixture of excavated topsoil and additional premium topsoil to BS 3882:2015. Backfill in layers of 150mm ensuring tree is upright. Firm each layer taking care not to excessively compact soil.
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- (5) Green Blue Urban ROOTRAIN urban irrigation system or similar approved - Product to match tree size. Refer to Table 2.
- (6) Green Blue Urban ARBORMULCH bark mulch or similar approved - GBUMULCHA - Ø800mm x 50mm depth.

NOTES:

- (A) Existing ground
- (B) Loosen and shape base as shown to aid root penetration drainage
- (C) Soft landscape area

Notes:
This drawing is for planning purposes only. It is not intended to be used for construction purposes. Whilst all reasonable efforts are used to ensure drawings are accurate, HBA accept no responsibility or liability for any reliance placed on, or use made of, this plan by anyone for purposes other than those stated above.

Rev.	Date	By	Description	Ckd	Aprd
Drawing Status: DRAFT					



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All dimensions to be checked on site	
Client Antler Homes	
Project Selsfield Road, Ardingly	
Drawing Typical Tree Pit Details	
Sheet 1 of 1	Scale: 1:50@ A2
Date 26.08.2026	Rev. HBA-825.3-08
File location: P:\825 - Land West of Selsfield Road, Ardingly\825.3 Antler Homes\Drawings\HBA\Current Drawings	