

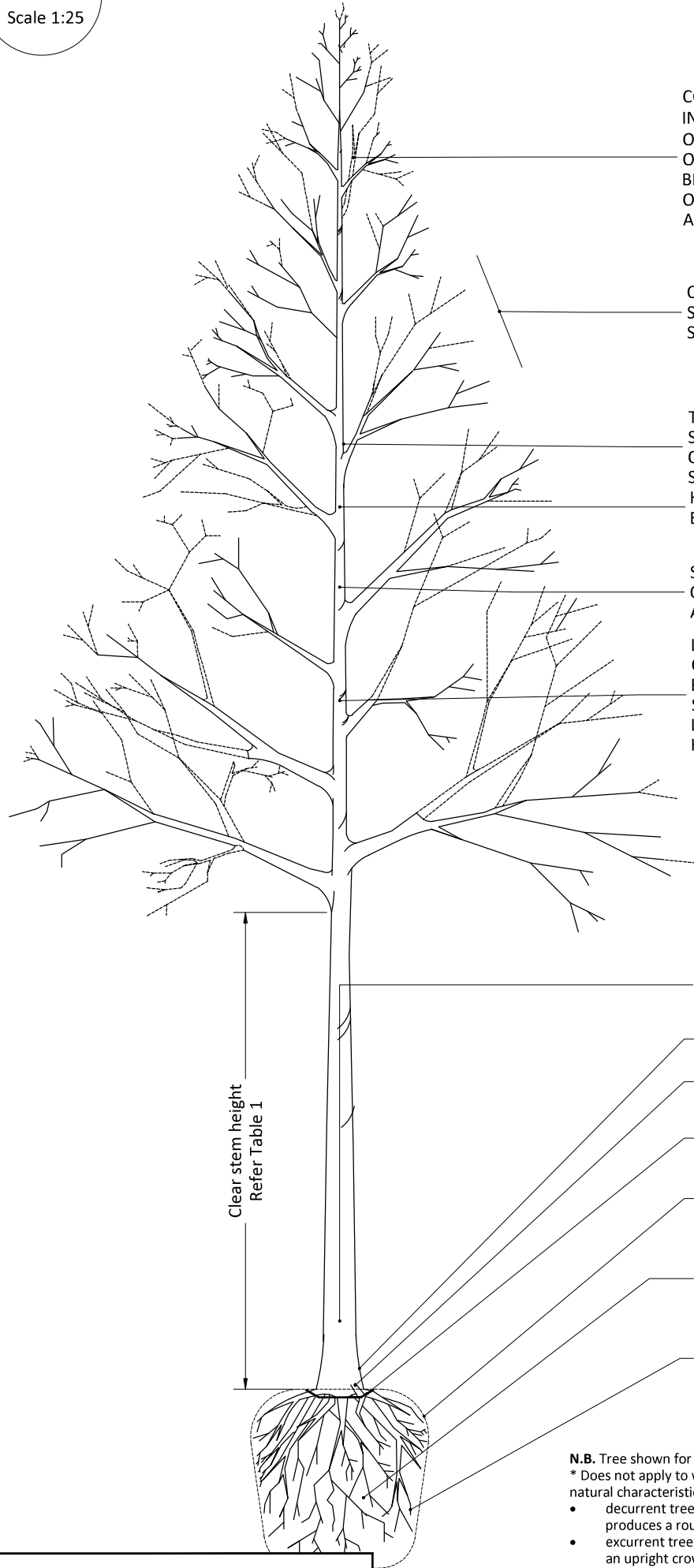
Z:\2898 Land North of Horsham\2898-5-5 DET\A1\32898-5-5-VEG-0001-55-P6 Tree Planting Details.dwg

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1.

TREE STOCK, GENERALLY

Scale 1:25



CO-DOMINANT / CROSSING / INWARD GROWING / BROKEN OR DEAD / BARK WOUNDS / OTHERWISE HAZARDOUS, BRANCHES & STEMS: REMOVE OR SUBORDINATE IN ACCORDANCE WITH BS 3998

CROWN FORMATION: WELL BALANCED WITH STRAIGHT CENTRAL LEADER & LATERALS SUBORDINATED TO THAT LEADER

TREE TRUNK & BRANCH STRUCTURE: SELF-SUPPORTING, NO REQUIREMENT FOR CANES, STAKE OR OTHER METHOD OF SUPPORT
HEIGHT/STEM GIRTH RATIO: PROPORTIONATE, BALANCED & APPROPRIATE TO SPECIES

STEM TAPER: CLEARLY DEFINED, EVIDENT FROM CROWN THROUGH TO ROOT FLARE, APPROPRIATE TO SPECIES

LEADER*: STRAIGHT, WHETHER EXCURRENT OR DECURRENT IN NATURAL HABIT WITH EVEN, WELL-BALANCED BRANCHING SYSTEM. DECURRENT TREES SHOULD RETAIN LEADER UP TO AT LEAST TWO-THIRDS FULL HEIGHT

BUD & GRAFT UNIONS: NO WEAK UNIONS OR DISPROPORTIONATE GROWTH. REJECT SPECIMENS WITH BUD UNION SET BELOW SURFACE

NATURAL ROOT FLARE: VISIBLE AT ALL TIMES

ADVENTITIOUS FIBROUS ROOT GROWTH ABOVE ROOT FLARE: REMOVE / PRUNE OUT

BURLAP / WIRE CAGE: REMOVE / BREAK OPEN IN TREE PIT TO PREVENT GIRDLING

ROOTBALL: PROPORTIONAL SIZE TO STEM DIAMETER, TRANSPLANTED AT LEAST THREE TIMES ON NURSERY

ROOT SYSTEMS: WELL BALANCED, FIBROUS RADIAL ROOT SYSTEM WITH AT LEAST FOUR OBVIOUS & SUBSTANTIAL LATERAL ROOTS SHOWING OBVIOUS EVIDENCE OF ROOT PRUNING OR TRANSPLANTING, FREE FROM GIRDLING ROOTS

EVIDENCE OF ROOT GIRDLING: PRUNE OUT / REMOVE / REJECT IF SERIOUS

N.B. Tree shown for illustrative purposes only.

* Does not apply to weeping trees, trees produced as multi-stemmed specimens or other trees where a straight leader is not a natural characteristic.

- decurrent tree = tree exhibiting natural growth habit characterized by strong lateral or branch dominance that eventually produces a rounded or spreading tree crown
- excurrent tree = tree exhibiting natural growth habit characterized by strong apical dominance that eventually produces an upright crown form dominated by one or a few central leading shoots

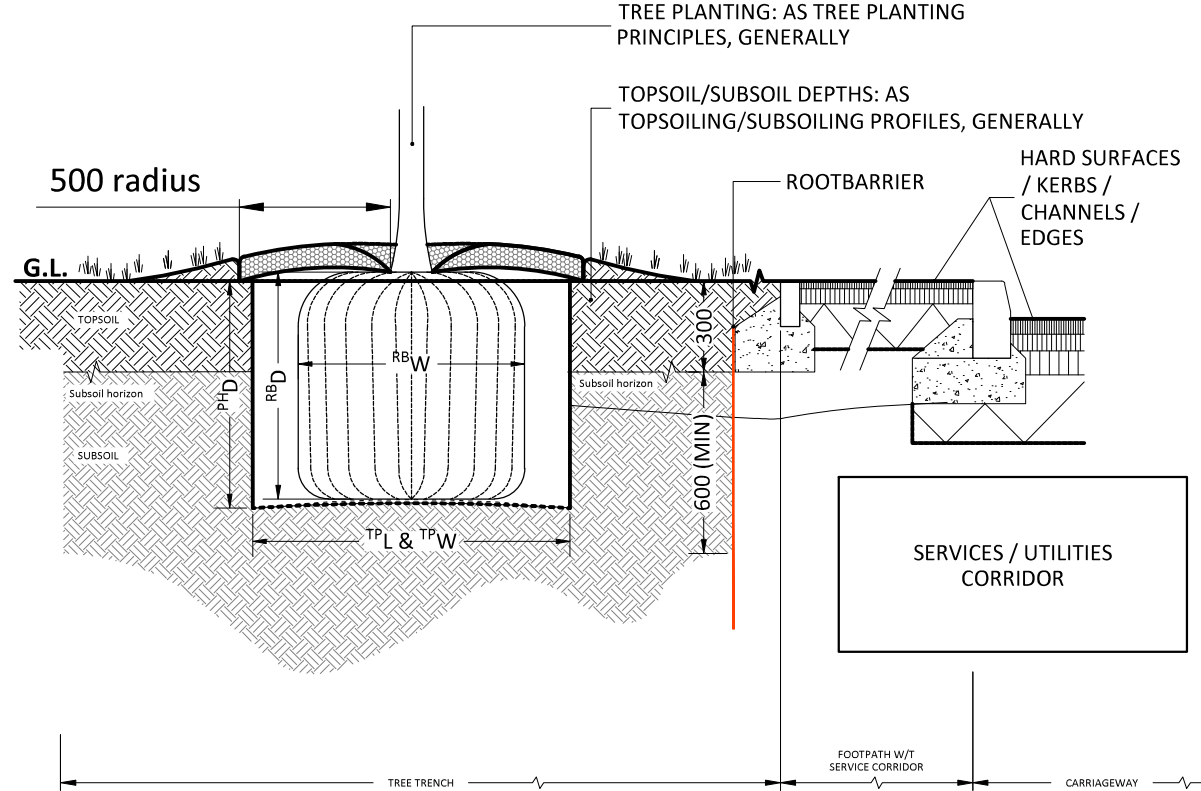
2.

TREE PIT WITH ROOT BARRIER

Scale 1:25

SECTION ELEVATION

TREE SUPPORT SYSTEMS & IRRIGATION MEASURES OMITTED FOR CLARITY



N.B.

- Diagram shows an SM 20-25cmg tree.
- While the dimensions of the rootball hole varies to suit the form [of the tree] specified, the grading / topsoiling geometry/profile does not.
- Plans shown are examples only; rootable area/ geometry varies as dictated by site constraints.
- [Construction of] hard surfaces / Kerbs / Channels / Edges to Engineer's details.
- Tree support systems are omitted for clarity.

TABLE 1: TREE CLEAR STEM HEIGHTS

Form	Girth (cm)	Supplied Clear Stem Height (cm)
LS	6-8	120 - 150
S	8-10	150 - 180
SSe	10-12	180 - 210
H	12-14	180 - 210
	14-16	180 - 210
EH	16-18	180 - 210
	18-20	180 - 210
SM	20-25	180 - 210
	30-35	180 - 210

CLEAR STEMS FOR HEAD CLEARANCE

Where canopies overhang cyclepaths and footpaths, trees are to be clear-stemmed to maintain the following clearances, as per WSCC requirements:

- 2.4m above cyclepaths
- 2.4m above footpaths

GENERAL TREE PIT PLANTING NOTES:

- SPECIFIED MATERIALS:** all to be installed in accordance with the manufacturer's recommendations and/or instruction.
- 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 & 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 be site won and generally 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 voids. Avoid over compaction.
- BACKFILL SOIL AMELIORANTS:** the Contractor shall satisfy 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 tip by the Contractor.
- TREE SUPPORT SYSTEMS:** Unless otherwise stated, all trees in hard surfacing surrounds shall be supported using the underground guying method of support.
 - 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.
- IRRIGATION: Open ground & Verges:** Create topsoil chaucer as Detail 1. Water at frequency necessary to ensure establishment & survival.
- DRAINAGE:** the contractor shall satisfy 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.
- GRANULAR SURROUND:** 10mm Ø particle size, buff. Extents: flush w/t aperture surrounds.
- FOUNDATIONS:** Trees are not to effect foundations in accordance with NHBC chapter 4.2.

Drawing Revision

Rev.	Date	Description	Drawn	Checked
P4	11/08/2023	Amended to client comments	GR	PG
P5	08/09/2023	Amended to client comments	GR	PG
P6	22/09/2023	Amended to client comments	GR	PG

Status

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Project

LAND NORTH OF HORSHAM

Drawing Title

TREE PLANTING DETAILS

Scale	Sheet Size	Date Plotted
1:25	A3	22/09/2023
Client Ref.	Drawing Ref.	Drawing No.
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