

Z:\2898 Land North of Horsham\2898-5-5 DETAILS\2898-5-5 VEG-0004-S5-P4 Tree Planting in Hard Surfaces.dwg

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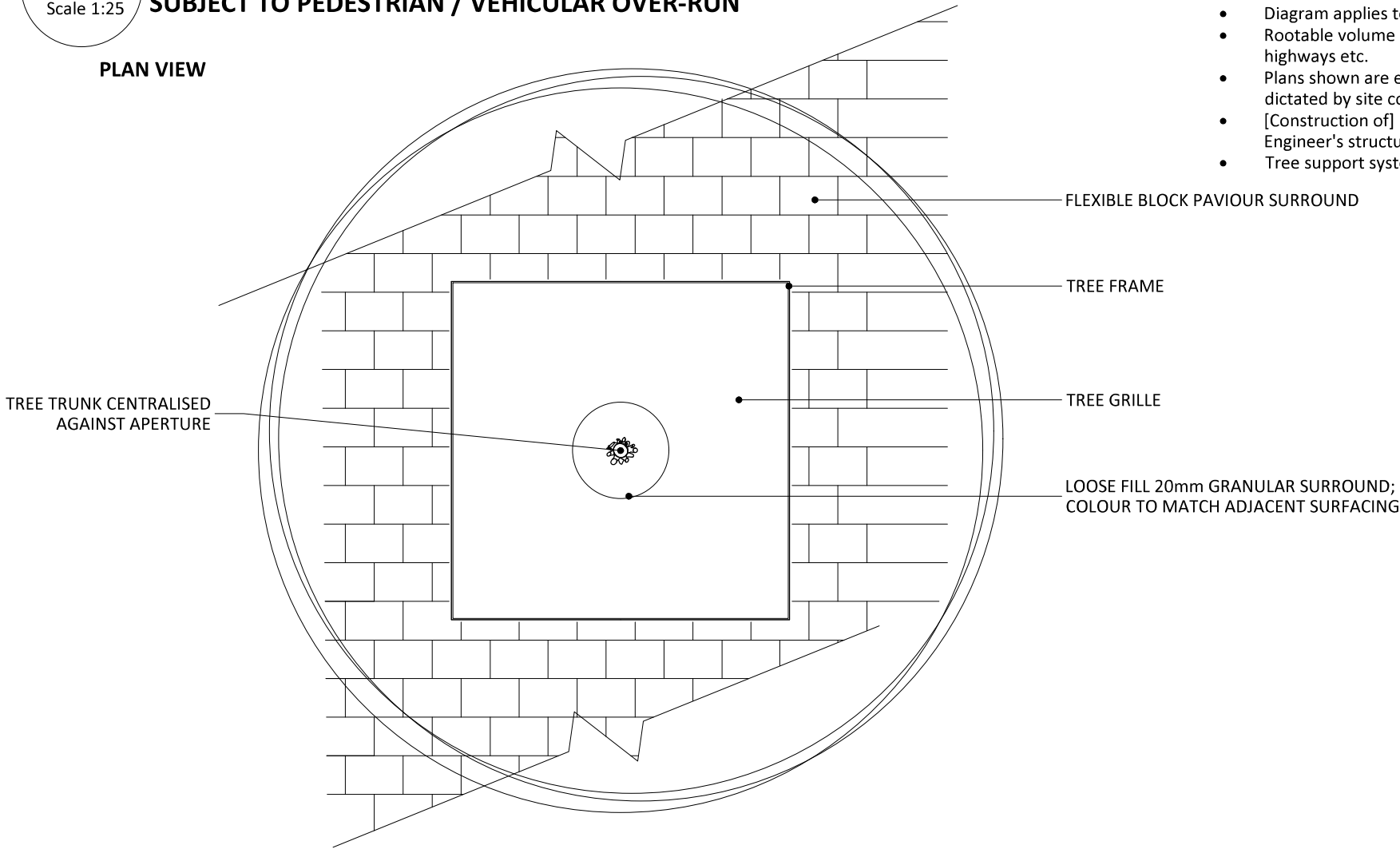


3.

Scale 1:25

PROPOSED EXTRA HEAVY TO SEMI-MATURE TREE PLANTING IN HARD SURFACES SUBJECT TO PEDESTRIAN / VEHICULAR OVER-RUN

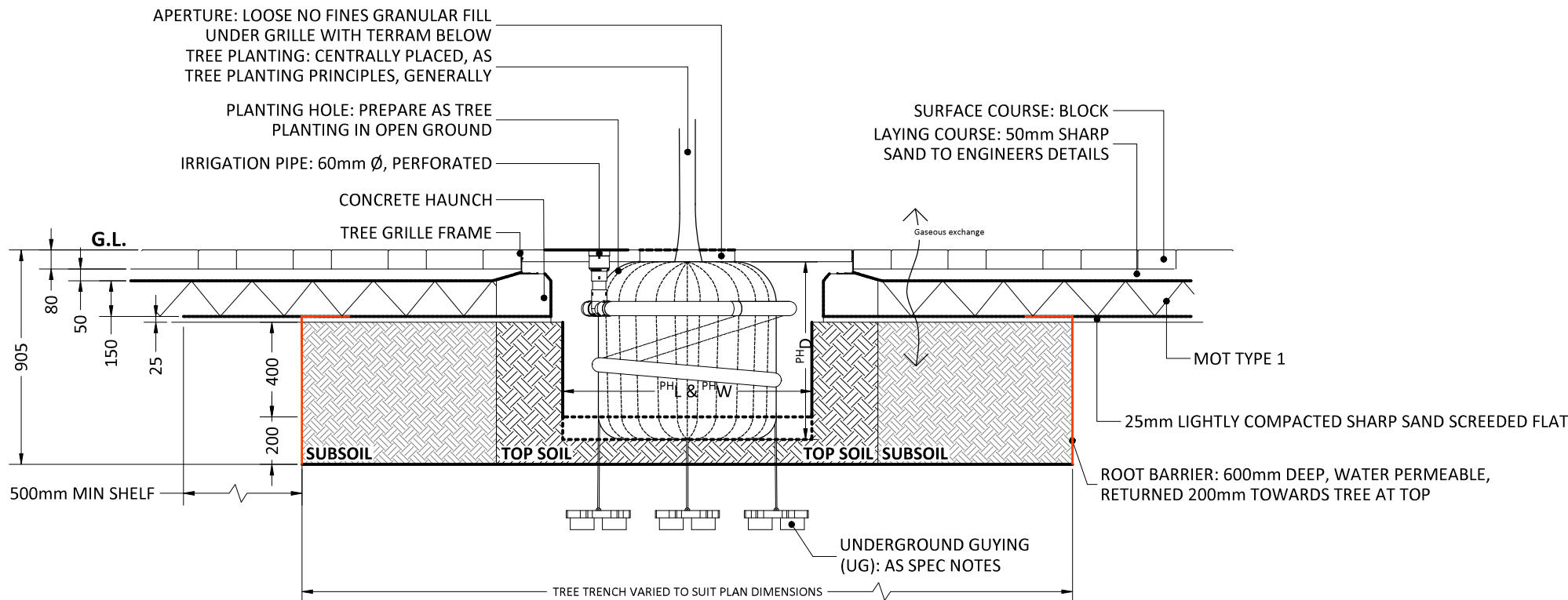
PLAN VIEW



N.B.

- Diagram applies to EH & SM trees.
- Rootable volume limited by onsite constraints: service / utilities / highways etc.
- Plans shown are examples only, rootable area / geometry varies as dictated by site constraints.
- [Construction of] hard surfaces / kerbs / channels / edges to Engineer's structural engineering requirements & details.
- Tree support systems partially omitted for clarity.

SECTION ELEVATION



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.
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 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.
4. **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.
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 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.
7. **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 1. Water at frequency necessary to ensure establishment & survival.
9. **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.
10. **GRANULAR SURROUND:** 10mm Ø particle size, buff. Extents: flush w/t aperture surrounds.
11. **FOUNDATIONS:** Trees are not to effect foundations in accordance with NHBC chapter 4.2.

Drawing Revision

Rev.	Date	Description	Drawn	Checked
P2	19/03/2023	Reformatted and to client comments	PG	PG
P3	30/03/2023	Amended to client comments	PG	PG
P4	11/08/2023	Amended to client comments	GR	PG

Status

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Project

LAND NORTH OF HORSHAM

Drawing Title

TREE PLANTING DETAILS - HARD SURFACES

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