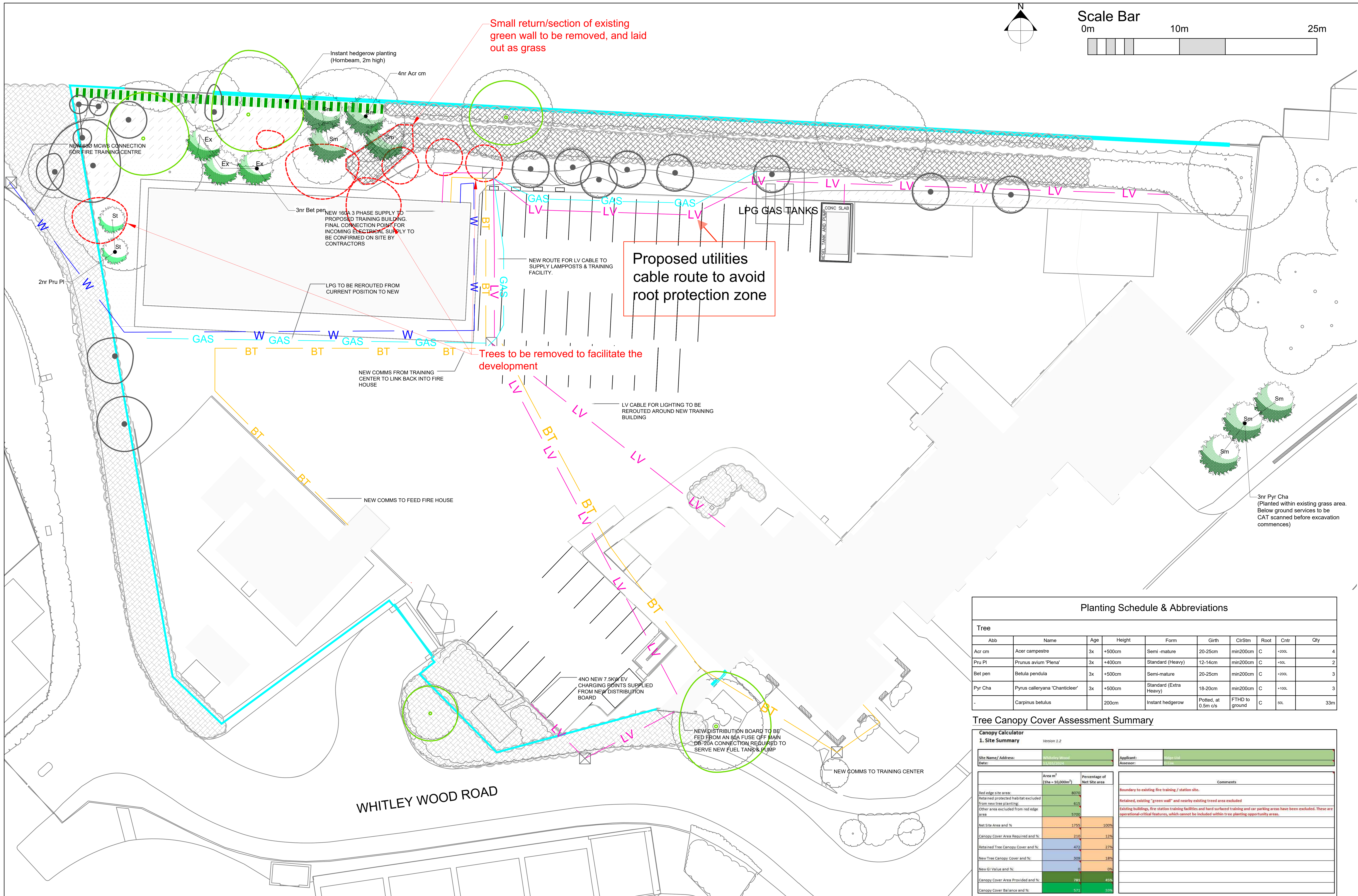


Planting Schedule & Abbreviations

Tree

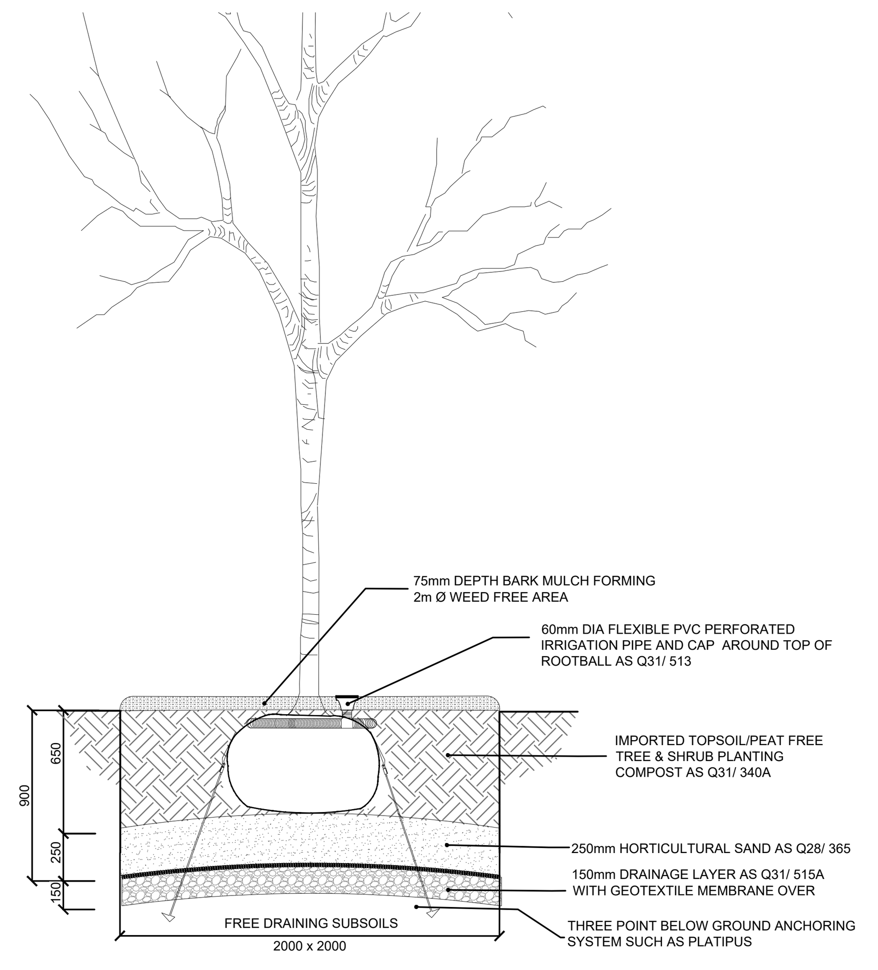
Abb	Name	Age	Height	Form	Girth	ClrStm	Root	Cntr	Qty
Acr cm	Acer campestre	3x	+500cm	Semi -mature	20-25cm	min200cm	C	+200L	4
Pru Pl	Prunus avium 'Plena'	3x	+400cm	Standard (Heavy)	12-14cm	min200cm	C	+50L	2
Bet pen	Betula pendula	3x	+500cm	Semi-mature	20-25cm	min200cm	C	+200L	3
Pyr Cha	Pyrus calleryana 'Chanticleer'	3x	+500cm	Standard (Extra Heavy)	18-20cm	min200cm	C	+100L	3
-	Carpinus betulus		200cm	Instant hedgerow	Potted, at 0.5m c/s	FTHD to ground	C	50L	33m

Tree Canopy Cover Assessment Summary

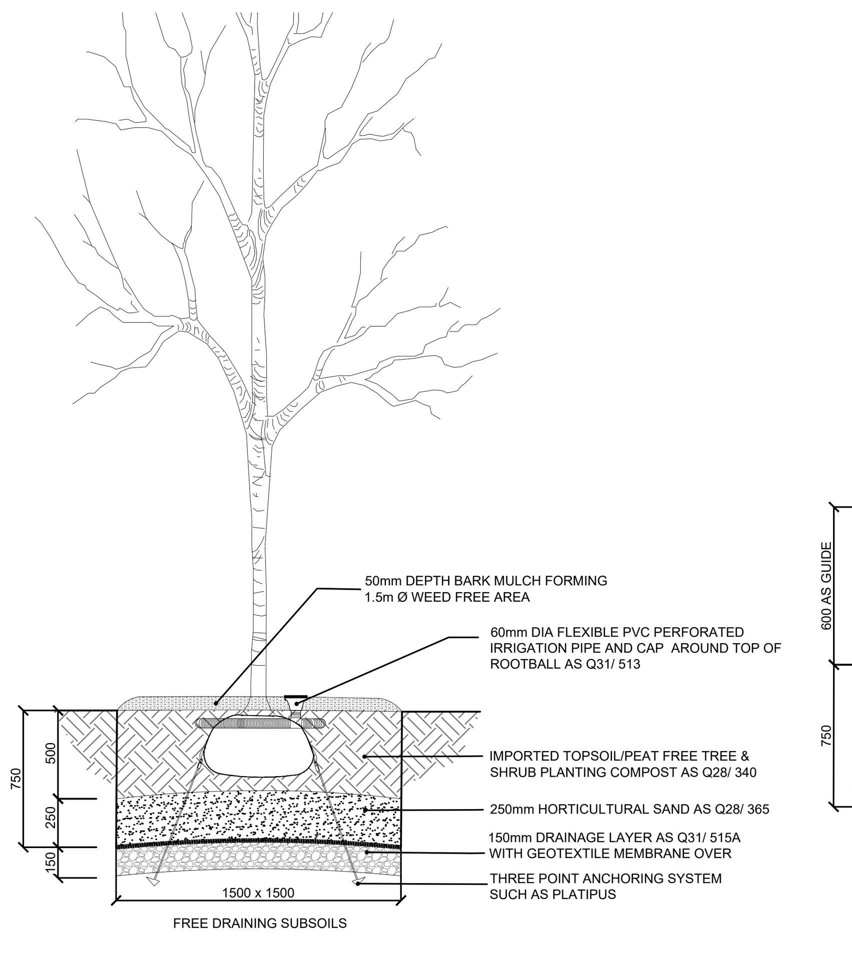
Canopy Calculator
1. Site Summary *Version 1.2*

Site Name/ Address:	Whiteley Wood	Applicant:	Ridge Ltd
Date:	11/03/2024	Assessor:	D Cox

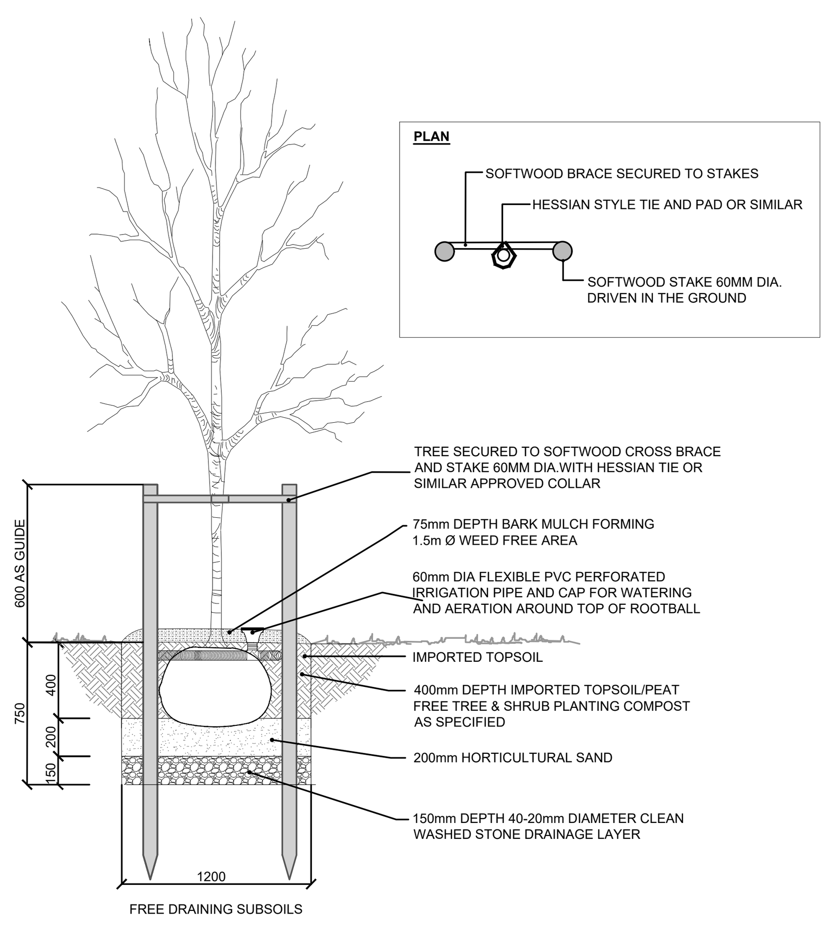
	Area m² (1ha = 10,000m²)	Percentage of Net Site area	Comments
Red edge site area:	8070		Boundary to existing fire training / station site.
Retained protected habitat excluded from new tree planting:	615		Retained, existing "green wall" and nearby existing treed area excluded
Other area excluded from red edge area	5700		Existing buildings, fire station training facilities and hard surfaced training and car parking areas have been excluded. These are operational-critical features, which cannot be included within tree planting opportunity areas.
Net Site Area and %	1755	100%	
Canopy Cover Area Required and %:	210	12%	
Retained Tree Canopy Cover and %:	472	27%	
New Tree Canopy Cover and %:	309	18%	
New GI Value and %:	0	0%	
Canopy Cover Area Provided and %:	781	45%	
Canopy Cover Balance and %:	571	33%	



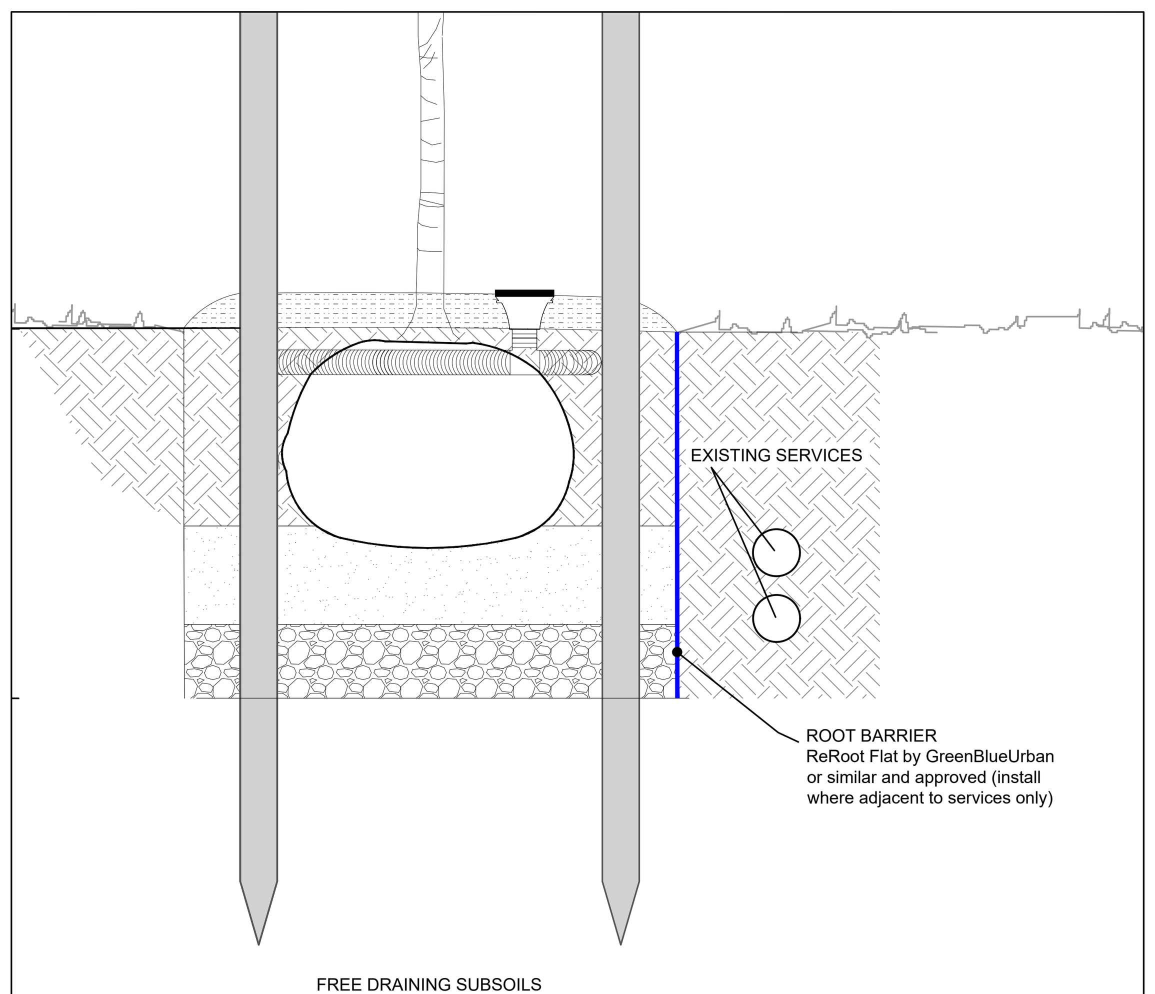
TYPICAL TREE PIT DETAIL (+20cm girth)
Scale NTS



TYPICAL TREE PIT DETAIL (18-20cm girth)
Scale NTS



TYPICAL TREE PIT DETAIL (12-14cm girth)
Scale NTS



TYPICAL REE PIT DETAIL - adjacent to services
Scale NTS

PLANTING
All plants and planting to comply with the requirements of all current / relevant British Standard specifications including BS 8545 (2014) 'Trees from Nursery to Independence in the Landscape', BS 3936: Part 1 (1992), Part 2 (1990) and Part 4 (2007) and BS 4043 (1989) where applicable, BS 4428 (1989). Tree pits shall be prepared as specified below.

All plants to be supplied in accordance with the plant schedule and in compliance with regulations governing imported stock and notifiable diseases outlined in the Plant Health Act 1967 (revised 2009). Any plant material planted outside the recognised planting season (Nov-Feb), shall be containerised stock and supplied at the sizes specified. Trees and shrubs shall be of UK provenance.

TREE PLANTING
Buildings shall incorporate suitable foundations which reflect the prevailing ground conditions to accommodate the proposed tree planting. Trees are to be planted as shown ensuring a minimum of 5m from buildings and 3m from drainage and services. Where necessary, root barriers to be installed (supplier: GreenBlue Urban (www.greenblueurban.com), or equal approved), as recommended by structural engineer. Allow for the use of container grown stock during the period 1 April to 31 October, and field grown stock from 1 November to 31 March.

RABBIT PROTECTION
Contractor to assess site for presence of rabbits. If rabbits are present, contractor is to provide suitable protection measures including spiral guards and rabbit proof fencing to either a) the entire site boundary, or b) the boundary of all planting beds. Contractor to ensure all existing and new vegetation (ornamental and native) and seeding is protected.

TOPSOIL REQUIREMENTS
To BS 3882 (2015) 'Specification for topsoil'; Multipurpose Grade. Topsoil shall be spread evenly and consistently to the depths noted below. Grass and hedge planting areas shall be cultivated to a depth of 250mm and all weeds, rubbish and any stones over 10mm gauge removed. Soil to be rolled (as required) and raked in two directions to form an even, level tilth.

Full analysis of existing and imported topsoil to be provided prior to use.

Hedgerow = 450mm depth

Grass areas = 150mm depth

Tree Pit sizes as specified below

Heavy standard tree pits (12-14cm girth) - 1200 x 1200 x 750mm depth (incl.200mm horticultural sand and min. 150mm drainage layer. Refer to tree pit details)

Extra heavy standard tree pits (18-20cm girth) - 1500 x 1500 x 900mm depth (incl.250mm horticultural sand and min. 150mm drainage layer. Refer to tree pit details)

Semi mature tree pits (+20cm girth) - 2000 x 2000 x 1050mm depth (incl.250mm horticultural sand and min. 150mm drainage layer as Q31/515A - refer to tree pit details)

Where necessary increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than rootball. Break up bottom of pits to a depth of 150mm. Compacted glazed sides of pits should be roughened.

TOPSOIL IMPROVEMENTS
Applied to all newly planted areas, to manufacturers' recommendations where appropriate:

1) Incorporate 75mm depth of soil conditioner into topsoil during cultivation;
2) Incorporate Enmag CRF granular fertilizer at approx 140g per pit to standard tree pit backfill and 70g per pit to structural / ornamental shrub and hedge planting;
3) Watering - supply minimum 54 litres / tree and 4.5 litres / shrub at planting;
4) Mulch - lightly fork over planted areas before applying a 75mm depth 50-100mm grade bark mulch. Note: all trees are to have minimum 1000mm dia 'weed free' mulched areas around the base to eliminate the risk of strimmer damage. Ornamental Bark to consist of predominantly matured British Pine Bark with an even nominal particle size distribution of 5-35mm with 0% dust & fines & less than 5% wood content. The product shall be pest, disease & weed free & not have been treated with Methyl Bromide or any additives. The product shall have been tested in accordance with the requirements of BS 4790:1987, for fire resistance. NB - Watering to be carried out prior to application of bark mulch.

PLANT MATERIAL TREATMENT
NB All to be British grown stock and fully hardened off.

Root Dip	Proprietary Root Dip applied to all bare rooted stock (1) at time of lifting at nursery and (2) prior to planting.
Anti-Desiccant	Proprietary anti-desiccant to be applied to foliage of all containerised / rootballed material in leaf, specimen conifers and evergreens etc. (1) prior to transportation and (2) during any delay in planting.
Tree Stakes & Ties	Stakes to be pressure treated, round, smooth and peeled Larch or Chestnut, not less than 100mm in diameter. Double staked with cross bar.

TREE STAKES, TIES & GUARDS
Heavy standard trees planted within grassed areas to be provided with appropriate conical strimmer guards. Stakes to be pressure impregnated softwood, round, peeled, straight, free of projections and pointed at one end. Minimum length and thickness to be determined as follows.
Trees greater than 18cm girth to be support by underground guy system e.g. platipus

Tree type	Min Dia.	Overall Height	Height exposed above ground
Hy Std	100mm	1.8m	0.6m

Tree type	Support system
>+18cm girth	Underground guying

GRASS SEEDED AREAS: ESTABLISHMENT CUT
When grass is between 40-75mm high remove stones and debris exceeding 50mm in any dimension and roll with a lightweight roller. About 48 hours later cut grass to approximately 35mm high. Remove and dispose of all arisings.

PROTECTIVE FENCING (to protect newly landscaped areas)
The contractor shall maintain suitable fencing (e.g. plastic mesh fencing, 1.2m high) until all site works are complete. The contractor will then remove the fencing and reinstate the ground. The fencing will remain the property of the contractor.

Within the area so fenced, the existing ground level shall be neither raised nor lowered, all excavations shall then be carried out by hand.

The Local Planning Authority shall be advised in writing when the protective fencing has been erected so that it can be checked on site before development commences, and shall thereafter be maintained during the period of construction.

EXISTING TREES AND SHRUBS
Retained trees shall be protected in accordance with the approved Arboricultural Report and Method Statement / Tree Protection Plan JSL4925_771 Arboricultural Method statement 02 April 2024.

MAINTENANCE
Regular visits (minimum 14 No.) required during the defects liability / rectification period to maintain all planted areas in a weed and litter free condition. Chemicals shall not be used within mulched areas of new planting and tree planting. Maintenance to include watering, pruning, pest and disease control and re-mulching as required. Grass areas to be mowed at 2 week intervals during the growing season.

Planting areas shall be maintained as non competitive weed free environment by repeated applications of an approved glyphosate based herbicide used wholly in accordance with the manufacturers recommendations and applied by a licensed operative. Persistent weeds and unwanted scrub shall be spot treated as necessary with an alternative herbicide to be agreed with the Landscape Architect. For new trees - only hand weeding shall be implemented.

Watering shall be carried out as necessary to maintain healthy growth or as required by the Landscape Architect. Watering of trees will be required weekly for the first 3 growing seasons (approx. April-Oct) of a sufficient amount depending on stock size: approx. 25 litres for 12-14cm girth; 80 litres for 18-20cm girth; 100 litres for 20-25cm girth and 120+ litres for 35cm girth trees.

NB: Final visit to be immediately prior to handing over and to include a fertilizer treatment of Enmag CRF granular fertilizer at 100g / m2 and a 25mm depth bark mulch top up to all planted areas.

SAFETY PRECAUTIONS
The landscape sub-contractor is to take all safety precautions to prevent any injury to any persons. The landscape sub-contractor shall comply with the requirements of the Health & Safety at Work Act 1974 and current Construction, Design and Management Regulations (2015).

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Notes
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Proposed elements

- SEMI-MATURE TREE (+20cm girth)
- EXTRA HEAVY STANDARD TREE (18-20cm girth)
- HEAVY STANDARD TREE (12-14cm girth)
- INSTANT NATIVE HEDGEROW PLANTING (+2m high)
- AMENITY GRASS — To be retained and protected
- AMENITY GRASS — Proposed, seeded

Existing features

- TREES — To be retained and protected
- HEDGEROW / SHRUB VEGETATION — To be retained and protected

Retained trees will be protected in accordance with approved Arboricultural Report and Method Statement / Tree Protection Plan JSL4925_771 Arboricultural Method statement 02 April 2024.

- EXISTING FENCE / BOUNDARY
- W / BT / GAS / LV — PROPOSED SERVICES — Design by-thers, refer to engineer's drawing 5019750-RDG-XX-00-D-E-600011

Rev	Description	By	CB	Date
H	Further planning amendments	DC	DC	10.24
G	Planning update services note	AI	DC	09.24
F	Planning update	PL	DC	08.24
E	Planning update	JN	DC	06.24
D	Canopy cover update	DC	DC	03.24
C	Minor update	DC	DC	03.24
B	LPA amends	DC	DC	02.24
A	Minor amends	DC	DC	12.23

MAKING COMPLEX EASY
A TETRA TECH COMPANY
Lakesbury House, Hiltingbury Road, Chandlers Ford, Hampshire SO53 5SS
T: 02380 810 440 E: rpsso@rpsgroup.com

Client	Royal Berkshire Fire & Rescue Service
Project	Whitley Wood Fire Station Reading
Title	Soft Landscape Proposals Landscape

Status	Drawn By	PM/Checked by
Planning	PL	DC

Job Ref	Scale @ A1	Date Created
JSL4925	1:250	Oct 2023

RPS Drawing / Figure Number	Rev
500	H

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