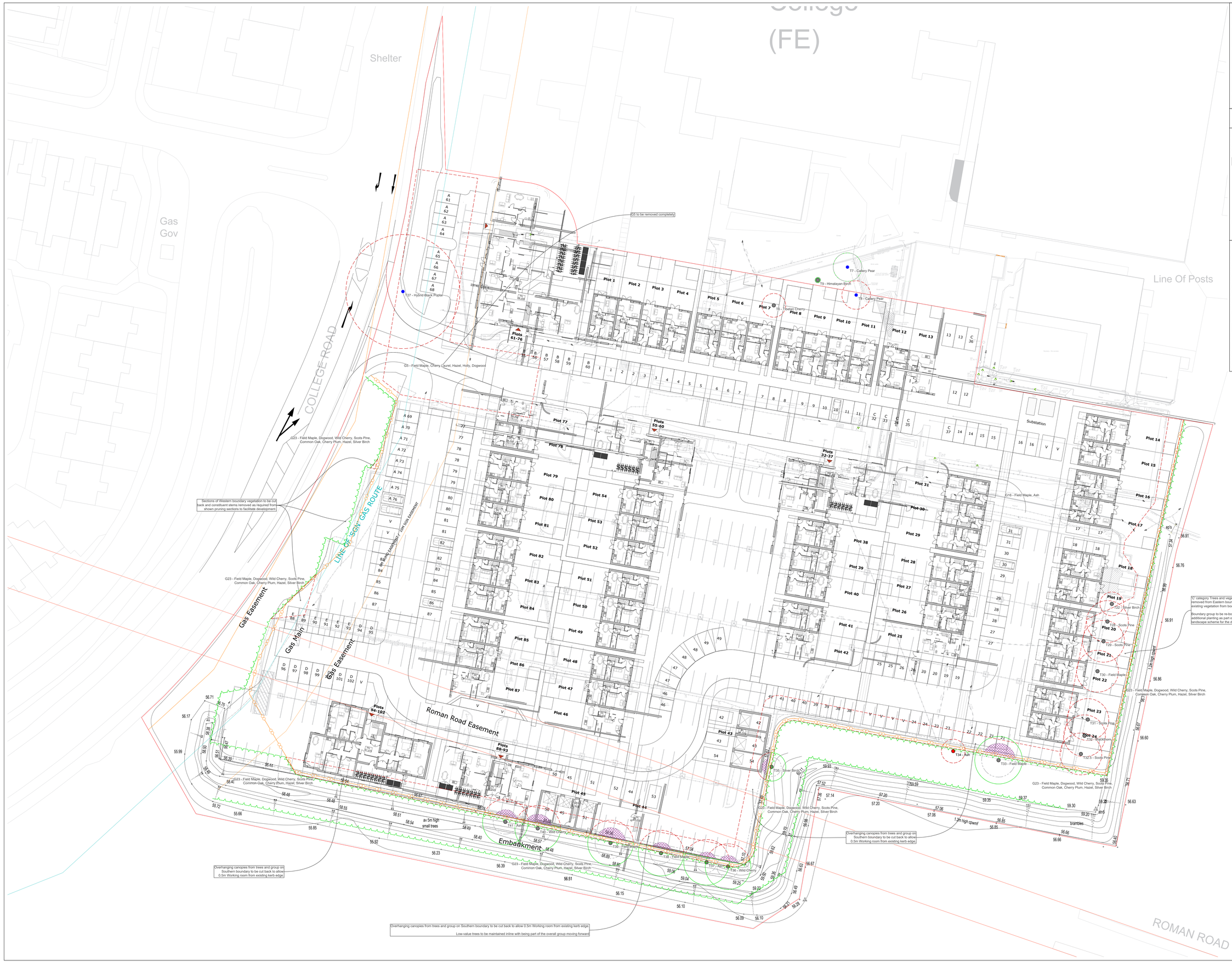


TREE TO BE RETAINED

TREE TO BE REMOVED

HEDGE/GROUP CANOPY TO BE REDUCED
Hedge to be trimmed back from the red dashed line to the green line as indicated.

A CATEGORY TREE
B CATEGORY TREE
C CATEGORY TREE
U CATEGORY TREE

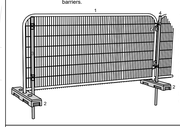
ROOT PROTECTION AREA (RPA) FOR RETAINED TREES

SENSITIVE SURFACE REMOVAL
Area of existing hard surface within retained RPAs is to be removed carefully. Any additional excavation for construction to be conducted using sensitive methodology as per the corresponding method statement.

LEGEND

TREE PROTECTION FENCING & EXCLUSION ZONE
All Tree Protection Fence (TPF) shall be installed prior to any plant activity on site whatsoever, including demolition, utility installation, groundworks, and soil stripping. Once erected, all TPF will be regarded as sacrosanct, and will not be removed or altered without prior recommendation by the project arboriculturist and approval of the local planning authority.

Tree Protection Fence shall comprise of Heras type panels on 'feet', well braced by attachment to scaffold pole uprights driven firmly into the ground. Once the exclusion zone has been protected by barriers and/or ground protection, construction work can commence. All weather notices may be erected on the barriers.



1 Weldmesh (e.g Heras) Panels
2 Concrete or rubber blocks
3 Scaffold pole uprights driven firmly into ground, then secured to panels with wire ties, or;
4 Uprights driven firmly into ground through hole in block, then secured to panels with wire ties.
5 Panels to be interlinked using clamps

WHY TREE PROTECTION IS NEEDED
1) **Soil compaction kills roots-** caused by plant movement and storage of materials within protected areas.
2) **Trenching severs roots-** many small roots grow within the top 600mm of soil. Even the removal of the top 200mm can cause damage.
3) **Soil pollution kills roots-** Dripping fuel storage or cement washings can contaminate the soil resulting in root death.
4) **Raising & lowering levels kills roots-** the soil used to increase levels can compact the underlying soil (see point 1). Lowering levels will remove roots causing damage to the tree.
5) **Bark and branch damage-** bark removal and branch damage can allow disease and fungi into the tree.
The impact of any of the above can take years to show- trees can have huge reserves of food and water.

CONSTRUCTION EXCLUSION ZONE

Areas within which all construction activity is restricted including access and storage of tool/materials.

All trees that are being retained on site must be protected by barriers and/or ground protection before any materials or machinery are brought onto the site, and before any demolition, development or stripping of soil commences. Where all activity can be excluded from the RPA, vertical barriers must be erected to create a construction exclusion zone. Where, due to site constraints, construction activity cannot be fully or permanently excluded in this manner from all or part of a tree's RPA, appropriate ground protection can be installed.

The original of this drawing was produced in colour- a monochrome copy should not be relied upon.

Rev	Date	Details	Drawn
C	30.06.23	Updated Layout	HEP
B	15.05.23	Updated Layout	HEP
A	25.04.23	Updated Layout	HEP

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