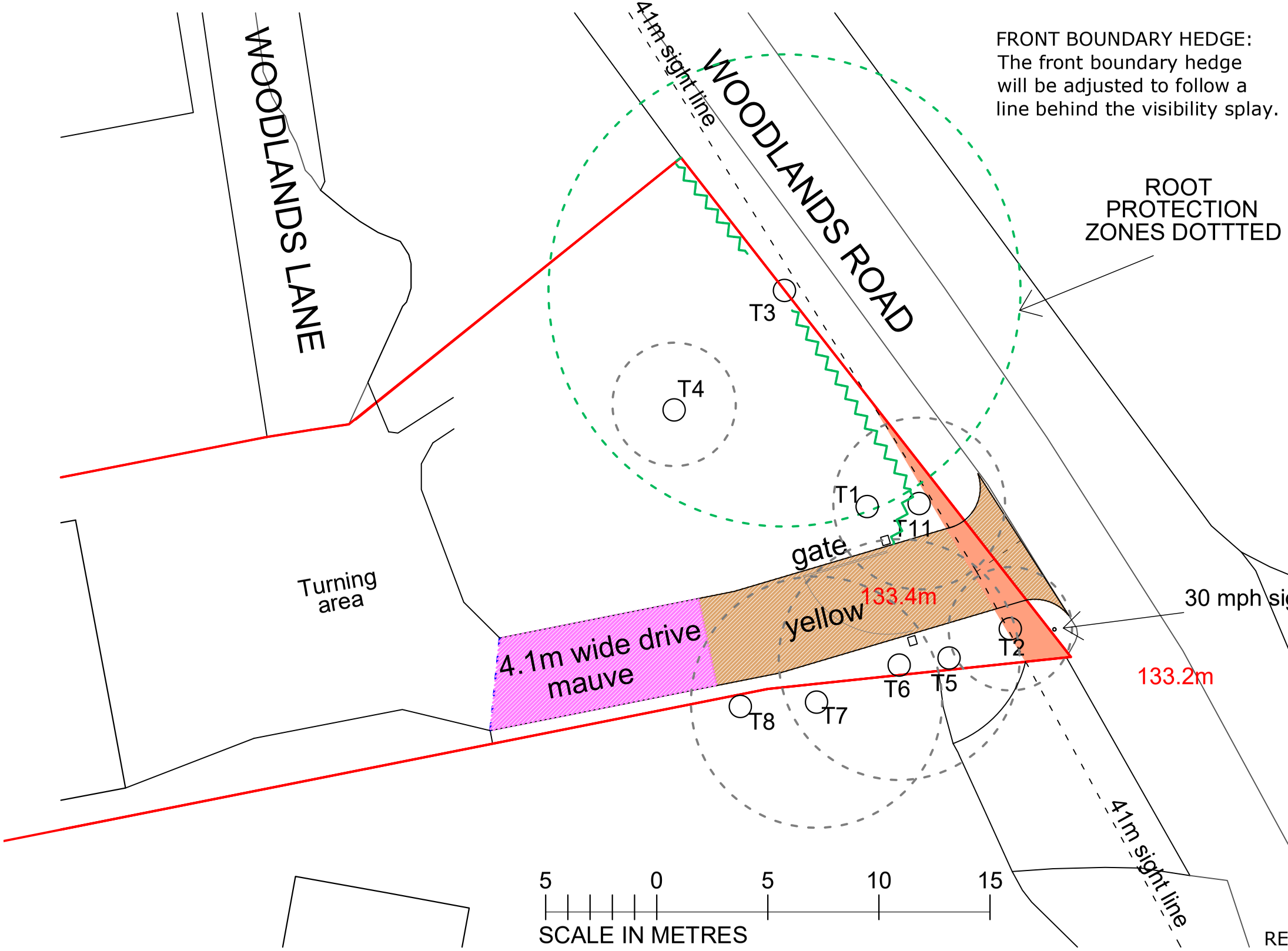
TPO NOTE:
The tree canopy (T3) is well above the visibility space needed.



FRONT BOUNDARY HEDGE:
The front boundary hedge will be adjusted to follow a line behind the visibility splay.

GENERAL NOTES ON DRIVEWAY CONSTRUCTION: YELLOW=critical area MAUVE=non critical
In the YELLOW area use the Cellweb Tree Root Protection System with depth of 150mm and with a top surface of either Permeable Block Paving or a Resin-bound pourous surface to manufacturers specification and falls. Edging restraint is to be pinned Preservative treated timber.

REVISION A:
Angle of drive adjusted to avoid T1 and T11. Root Protection varied.

IMPACT: Possible removal of T2 in sight line.

Cellweb® TRP

Tree Root Protection

Cellweb® TRP is a 3D cellular confinement tree root protection system. The system provides a 'no dig' solution for the construction of new hard surfaces within root protection areas (RPAs). Cellweb® TRP has been designed and independently tested to comply with recommendations made in Arboricultural Practice Note 12 and BS 5837 2012 – Trees in relation to design, demolition and construction.



Cellweb® TRP Key Functions

Cellweb® is a 'no dig' solution which is constructed directly on the existing ground surface. This eliminates the requirement for excavation, preventing root severance.

Cellweb® is a completely porous system allowing continued water permeation and gas exchange between the rooting environment and atmosphere.

Cellweb® spreads point loads, minimising increases in soil compaction within the rooting enviror ment. This maintains an open graded soil structure allowing continued root growth, water, gas and nutrient migration.

The Cellweb® TRP system comprises the following three components

Treetex™ Geotextile. Following minimal ground preparation the Treetex™ is laid onto the existing ground and top soil. This acts as a separation layer, separating the system above from the soil and rooting environment below. Treetex™ performs as a hydrocarbon pollution control measure in accordance with BS5837, holding 1.7lt of oil per square meter.

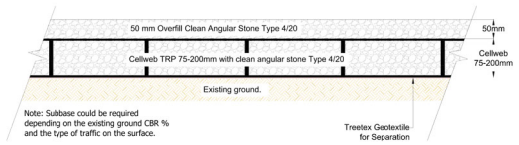
Cellweb® 3D Cellular Confinement. The Cellweb® is installed on top of the Treetex™ layer. This is fixed to the ground using ten steel J pins per panel. The panels can be cut to the required shape and adjoining panels can be connected using heavy duty staples or cell ties.

4-20mm Clean Angular Stone. The expanded Cellweb® is infilled with a 4-20mm clean angular stone. The confined angular stone locks together to produce a rigid stone mattress, while maintaining air pockets for continued water permeation and gas exchange. The low fines content of the stone prevents the Treetex™ layer from becoming blocked over time.

Which depth of Cellweb® TRP?

The Cellweb® System is provided in four different depths; 200mm, 150mm, 100mm and 75mm. The depth required is determined by the proposed traffic loadings and the site ground conditions. Geosynthetics in house engineering department can provide a free site specific technical recommendation. For free technical and engineering support please contact Geosynthetics Ltd 01455 617139 or the full installation guide can be found on our website www.geosyn.co.uk.

Indicative Cellweb with overfill



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Geosynthetics Engineered Solutions

Project
NEW DRIVEWAY
48 WOODLANDS LANE
QUARNDON
DERBY DE22 5JU

Details
PROPOSED SITE LAYOUT

Scale	Date	Drwg
1:200 @ A3	Oct 2026	26-09 03A

PLANNING ISSUE

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