

Site:
Date of Survey:
Surveyor
Weather:

10 Gate Farm Road
08/09/2022
J Choat
Overcast / rain

| | |
|--------------------|--|
| Key | Small diameter deadwood = less than 50mm OHLE = overhead line equipment |
| Item colour coding | Subject to change following further assessment |
| | Estimated |

| Tree ref | Species | Height in m | Stem diameter in mm | RPA in M2 | Radial distance required for RPA | Branch spread | | | | Height of crown clearance in m | Age class | Ground condition | NHBC Water demand | Observations | Preliminary management recommendations | Works urgency | Estimated remaining contribution in years | Category grading |
|----------|--|-------------|---------------------|-------------|----------------------------------|---------------|-----|-----|-----|--------------------------------|-----------|-------------------|-------------------|--|--|---------------|---|------------------|
| | | | | | | N | E | S | W | | | | | | | | | |
| T1 | Beech <i>Fagus sylvatica purpurea</i> | 14 | 500 | 113.112 | 6 | 5 | 5 | 5 | 5 | 0.5 | M | Grass | Moderate | Stem forks at 1m - included unions. Seat bench around base with unmanaged grass preventing full inspection of base. Full / healthy crown and leaves good size, shape and colour for time of year. | Raise crown to 3m removing sub laterals only. | 3 | 30+ | B1/2 |
| T2 | Oak <i>Quercus robur</i> | 15 | 420 | 79.8118272 | 5.04 | 5 | 5 | 5 | 5 | 0.5 | Y | Grass | High | | Raise crown to 3m removing sub laterals only. | 3 | 30+ | B1/2/3 |
| H1 | Leyland cypress <i>Cupressus x leylandii</i> Hawthorn <i>Crataegus monoagyna</i> | 1-2.5 | 100 | 4.52448 | 1.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0 | Y | Grass | High | Managed to current dimensions - Leyland cypress at 2m height and hawthorn in front of cypress at 1m. | Maintain with frequent pruning cut. | 3 | 20+ | C1/2 |
| H2 | Elm <i>Ulmus sp</i> | 1 | 75 | 2.54502 | 0.9 | 0.3 | 0.3 | 0.3 | 0.3 | 0 | Y | Grass | High | Managed to current dimensions. | Maintain with frequent pruning cut. | 3 | 10+ | C1/2 |
| G1 | Laurel <i>Prunus rotundifolia</i> | 6 | 200 | 18.09792 | 2.4 | 2 | 2 | 2 | 2 | 0 | EM | Grass | Moderate | Multi stem shrubby specimens. | None | 0 | 10+ | C1 |
| G2 | Leyland cypress <i>Cupressus x leylandii</i> Western red cedar <i>Thuja sp</i> | 14 | 400 | 72.39168 | 4.8 | 3 | 3 | 3 | 3 | 0 | M | Grass / bare soil | High | Leyland cypress appears to have conyemum canker disease - symptoms include patchy dead areas sporadic in crown and occasional die back of laterals. | None | 0 | 10 | C1 |
| T3 | Norway maple <i>Acer platanoides</i> | 17 | 780 | 275.2693632 | 9.36 | 4 | 6 | 6 | 6 | 3 | M | Grass / bare soil | Moderate | Large tear wound south side at 1m, compression fork failure, remaining stems forming compression fork with included unions. | Fell and grind stump following below ground service check. | 3 | 10 | C1 |
| T4 | Walnut <i>Juqalans regia</i> | 5 | 100 | 4.52448 | 1.2 | 1 | 1 | 1 | 1 | 0.5 | Y | Grass | Moderate | Young recent planting. | None | 0 | 20 | C1 |
| G3 | Various fruit | 2 | 75 | 2.54502 | 0.9 | 1 | 1 | 1 | 1 | 0.5 | Y | Grass | Moderate | Young recent planting. | None | 0 | 20 | C1 |
| T5 | Apple <i>Malus sp</i> | 5 | 100 | 4.52448 | 1.2 | 2 | 2 | 2 | 2 | 1 | EM | Grass | Moderate | Maintained for fruit production. | Maintain for fruit production. | 3 | 20 | C1 |
| T6 | Norway maple <i>Acer platanoides</i> | 16 | 620 | 173.9210112 | 7.44 | 5 | 5 | 5 | 5 | 1.2 | M | Bare soil | Moderate | Previous pollard / target pruning at 5m - congested regrowth at pruning point. Multiple dead pruning stubs on lower crown. Large pruning wounds at 1.5m north and south sides - poor pruning. | Pollard to previous pollard points. | 3 | 20 | C1 |
| T7 | Norway maple <i>Acer platanoides</i> | 15 | 360 | 58.6372608 | 4.32 | 2 | 4 | 4 | 4 | 1.5 | EM | Bare soil | Moderate | Suppressed / asymmetric crown. | None | 0 | 20 | C1 |
| T8 | Silver birch <i>Betula pendula</i> | 16 | 640 | 185.3227008 | 7.68 | 6 | 6 | 6 | 6 | 1.5 | M | Bare soil | Low | Low over extended primary lateral 1m north side. Tear wound on primary lateral at 1.5m south side. | None | 0 | 10 | C1 |
| T9 | Western red cedar <i>Thuja sp</i> | 11 | 300 | 40.72032 | 3.6 | 2 | 2 | 2 | 2 | 0 | M | Bare soil | High | 2 trees sharing crown. | None | 0 | 10 | C1 |
| T10 | Shrub poss. Cotoneaster sp | 4 | 300 | 40.72032 | 3.6 | 2 | 2 | 2 | 2 | 1 | M | Grass | Not provided | Many dead leaves possibly drought stress. | None | 0 | 10 | C1 |
| T11 | Apple <i>Malus sp</i> | 4 | 260 | 30.5854848 | 3.12 | 2 | 2 | 2 | 2 | 1 | M | Grass | Moderate | Maintained for fruit production. | Maintain for fruit production. | 0 | | |
| H3 | Mixed species mostly Elm <i>Ulmus sp</i> | 1-3 | 100 | 4.52448 | 1.2 | 1 | 1 | 1 | 1 | 0 | Y-EM | Grass | High | Managed to current dimensions, some areas left. | Maintain with frequent pruning cut. | 3 | 10+ | C1/2 |

Explanatory Notes

Referencing

Each tree is given a unique reference number and plotted on the attached plans for clear identity. Individual trees are referenced as T1, T2 etc., Groups G1, G2 etc. Hedgerows H1, H2 etc. and Woodlands W1, W2 etc.

Species

All species are recorded using common names. Identification is made using experience and knowledge.

Tree dimensions

Tree height is measured and recorded in meters and taken from the base of the stem to the tip of the crown. Height is estimated using experience and knowledge.

Diameter at Breast Height (DBH) is measured at approximately 1.5m from the ground up the stem and is measured and recorded in millimeters. DBH is measured accurately using a diameter tape.

Crown spread is measured in meters from the stem to the extent of the crown spread to each compass point (NESW). Crown spread is estimated using experience and knowledge.

Crown clearance is the height from ground level to the lowest branch and is measured in meters. Crown clearance is estimated using experience and knowledge.

Age class

Age class falls in to 4 categories:

| | |
|----|--------------|
| Y | Young |
| EM | Early Mature |
| M | Mature |
| OM | Over Mature |

Observations

The biological condition of the tree is assessed and noted. Notable defects are recorded; fruiting bodies, cankers, die back, exudates, etc. are recorded.

The mechanics of the tree are assessed and noted. Notable defects are recorded; buckling, rib formation, stresses, bulges, soil cracks, large cavities or wounds, tight branch junctions, etc. are recorded.

Preliminary management recommendations

Tree management is recommended following the assessment of physiological and structural condition. Recommended works may include, no work required, crown reduction, crown lift, fell, crown thin, monitor etc.

Estimated remaining contribution in years

An estimate of remaining life expectancy recorded in years. Estimated remaining contribution is made using experience considering the structural and physiological condition of the tree, nuisance, previous management, etc.

Category grading and colour coding on plan

A (Green square) high quality and value

B (Blue square) moderate quality and value

C (Grey square) low quality and value

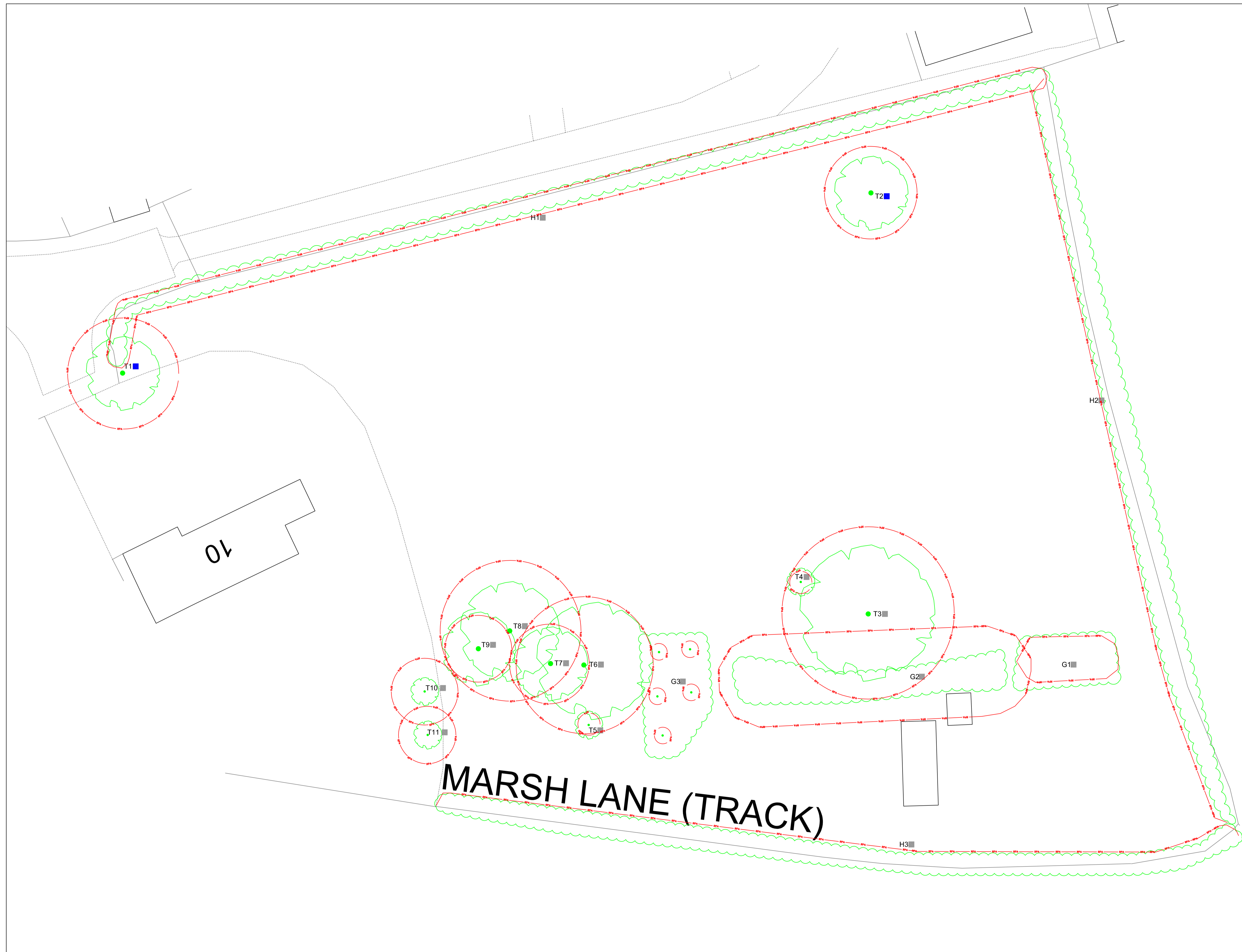
U (Red Square) those that cannot be retained as living trees

Sub categories

- 1 arboricultural values
- 2 landscape values
- 3 cultural values, including conservation

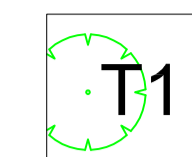
Works priority

- 1 Works required immediately to make the tree safe
- 2 Works required within 60 days
- 3 Works required as part of routine operations
- 0 no works required

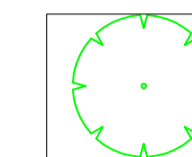


Legend:

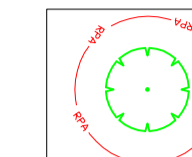
Tree reference



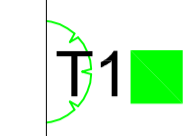
Tree and crown spread



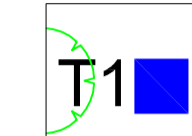
Root protection area



BS 5837 Retention Category A



BS 5837 Retention Category B



BS 5837 Retention Category C



BS 5837 Retention Category U



Notes:

This drawing was produced in colour; a monochrome copy should not be relied upon.



Project:

10 Gate Farm Road, Shotley

Drawing Title:

Tree Survey and Constraints Plan

TPS

Arboricultural Consultancy

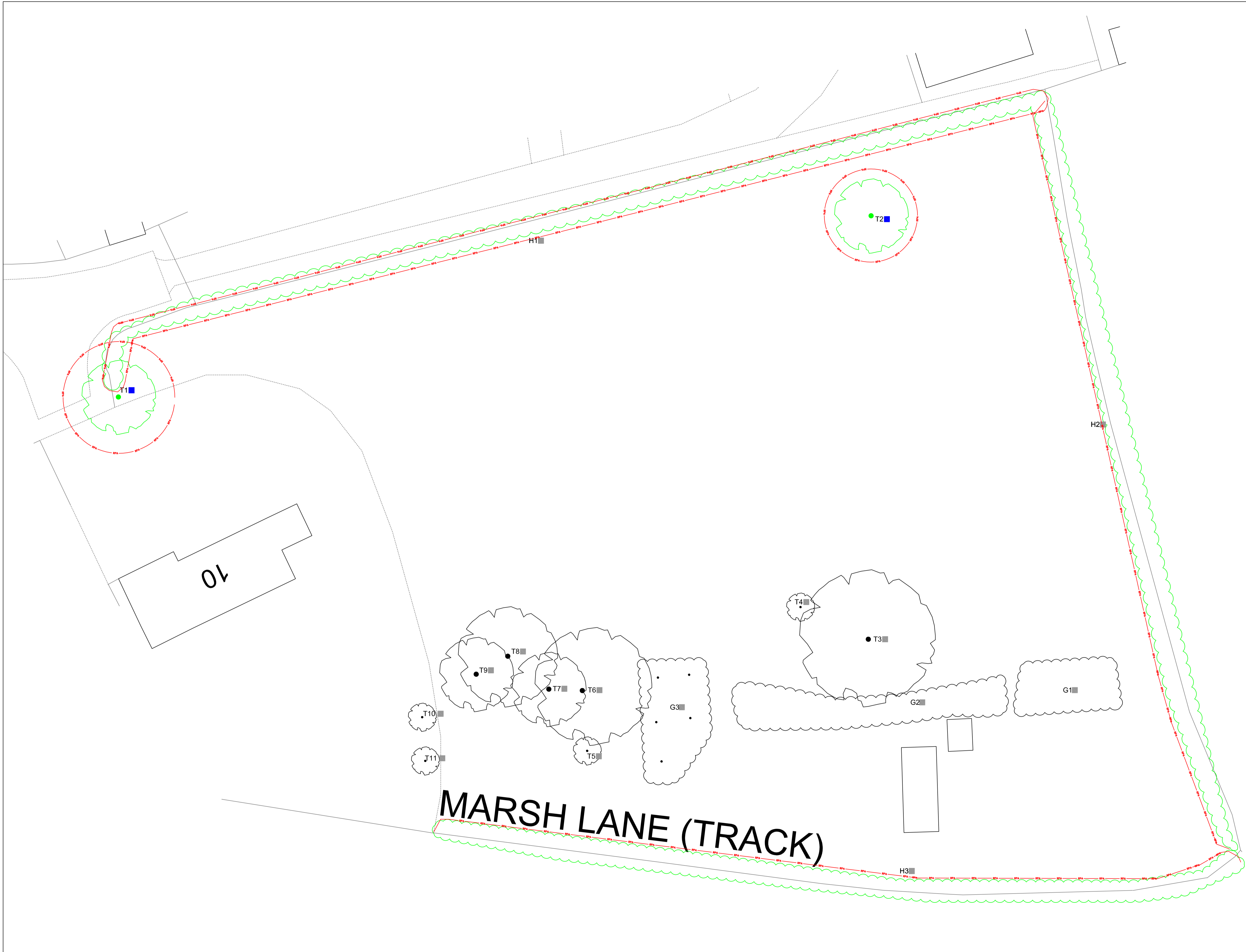
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Date: 9th September 2022

Scale: 1:200 @ A1


Drawing Number: TPSarb7090822 TSCP



- Legend:
- Tree reference
 - Tree and crown spread
 - Root protection area
 - BS 5837 Retention Category A
 - BS 5837 Retention Category B
 - BS 5837 Retention Category C
 - BS 5837 Retention Category U
 - Trees / groups to be removed

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Project: 10 Gate Farm Road, Shotley

Drawing Title: Tree Removals

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