

Arboricultural Health and Safety Survey

CAS/2019/218

For Linton Park, Linton, Maidstone, Kent, ME17 4AB

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1.0 Introduction

- 1.1.1 Cantia Arboricultural Services were instructed by Mrs Rebecca Wragg to undertake an Arboricultural Health and Safety Survey and provide arboricultural advice on the site known as Linton Park, Linton, Maidstone, Kent, ME17 4AB.
- 1.1.2 A detailed survey was undertaken daily between Tuesday 1st October and Tuesday 8th October 2019 and the weather was noted as variable but generally clear with visibility acceptable for surveying.

1.2 Scope of Works

- 1.2.1 The scope of the survey was to assess the physical condition of the trees and to recommend suitable tree works if any are required. The survey carried out was a 'walk over' survey thus only trees requiring works have been plotted and commented on.
- 1.2.2 This is a preliminary assessment from ground level using the VTA (Visual Tree Assessment) method and observations have been made solely from a visual perspective. No invasive or other detailed internal decay detection devices have been used in assessing internal conditions. Trees which have been commented on have been marked (where possible) with yellow surveying paint to aid identification. This mark has been made on the main stem facing the closest highway/footpath.
- 1.2.3 Any conclusions relate to conditions found at the time of inspection. Any significant alteration to the site that may affect the trees that are present (including level changes, hydrological changes, extreme climatic events or other site works) will necessitate a re- assessment of the trees and the site and render any previous advice/ findings invalid.

- 1.2.4 Trees are living organisms and even apparently healthy trees cannot be considered completely safe due to forces of nature and environmental fluctuations which dictate a natural failure rate of intact and healthy trees.
- 1.2.5 This is an arboricultural report and no such reliance must be given to comments relating to buildings, engineering, soil or ecological issues.
- 1.2.6 The content and format of this Report are for the exclusive use of the Client as shown on the front cover of this report. It may not be sold, lent, hired out or divulged to any third party not directly involved in the subject matter without the written consent of Cantia Arboricultural Services.
- 1.2.7 This report is made on behalf of Cantia Arboricultural Services and no individual is personally liable. By receiving the report and acting on it, the named client, or any third party relying on it, accepts that no individual is personally liable in contract, tort or breach of statutory duty (including negligence).
- 1.2.8 The survey was carried out with the assistance (where required) of the following equipment-
 - Binoculars – Inspection of upper sections of the tree.
 - Sounding Mallet Assessment of wood quality, decay extent.
 - Steel Probe To test resistance of wood and depth of cavities.
 - DBH (diameter) Tape Measurement of stem diameter.
 - Clinometer- To measure height of tree.
 - Laser measure Measurement of canopy dimensions & tree location.

1.3 Documentation & Disclosure

- 1.3.1 The following documentation and information has been made available-
 - Site Plan SKM_C454e19081616070(1).pdf

2.0 Site and Tree Discussion

2.1 Site Description

2.1.1 Linton Park is an eighteenth century country house set in grounds of approx. 330 Acres of park / farmland. The boundary of the site is bordered by public highways and the site also has two public footpaths running through its grounds.

2.2 Tree Discussion

- 2.2.1 The survey was carried out in early October which is considered as an ideal time for the spotting of fungal fruiting bodies on or around the trees. However this time frame makes assessment of vitality difficult due to the seasonal change in leaf colour and leaf fall. It is therefore recommended that future inspections be carried out either in the high Summer period (July-August) when the trees are in a period of high activity thus allowing inspection of canopy vitality / health, or in deep Winter (December-January) when the trees are dormant with no leaves allowing detailed inspection of the structural elements which are hidden during active months.
- 2.2.2 Many of the trees were heavily laden with ivy as is synonymous with woodland trees. This hinders detailed inspections of main stems and primary limbs of the trees and may hide features indicative of increased risk of failure.
- 2.2.3 The site contains a variety of native species including Ash (*Fraxinus excelsior*), Elder (*Sambucus nigra*), Beech (*Fagus sylvatica*), Silver Birch (*Betula pendula*), Horse

Chestnut (*Aesculus hippocastanum*), Sweet Chestnut (*Castanea sativa*), Elm (*Ulmus spp*), Hawthorn (*Crataegus monogyna*), Holly (*Ilex aquifolium*), Lime (*Tilia spp*), Oak (*Quercus spp*), Maple (*Acer spp*), Pine (*Pinus spp*) and Willow (*Salix spp*).

- 2.2.4 Many of the Ash (*Fraxinus excelsior*) inspected were noted as having early defoliation of some or all of their canopies. This may be due to early Autumnal fall or possibly due to early stage Ash Dieback (*Hymenoscyphus fraxineus*). It is likely that a significant percentage of the Ash stock will die off in the coming years thus it would be prudent to consider the financial burden of future Ash removal of roadside trees.
- 2.2.5 Trees located close to busy highways (A229 & B2163) have been given priority timescales for works due to their high target areas. Trees located close to the lanes around the East of the site or located along the public footpaths have lower traffic density and therefore have been given longer work timescales.
- 2.2.6 The public footpath which runs from the A229 adjacent to the electricity sub station was noted as having many branches which are below 3m in height. Current legislation requires public footpaths to have 3m clearance from ground level. This could likely be carried out by grounds staff and will only require the removal of secondary growth thus retaining the rural ambience of the path.
- 2.2.7 In some cases trees have visible faults in the canopies or there is evidence of cavities / decay in the main stem. Where these trees are located within falling distance of roads further investigation has been recommended either by decay detection or by an inspection carried out by a climbing arborist. This is to ascertain the extent of decay allowing an informed decision to be made about the future management of the tree.
- 2.2.8 Located along the public footpaths which cut through the site are a number of large over mature / veteran trees which are in retrenchment and which will continue to decline over the coming years (T066-T067 & T071). Their close proximity to the

public footpaths will likely require regular intervention to ensure the safety of members of the public. Therefore it is suggested that areas of fencing or native hedging be installed to change the desire line of the public away from the immediate vicinity of the trees which will provide the following benefits-

- Allowing for natural decline providing an abundance of extremely valuable habitat.
- Increased longevity of the tree(s) as regular pruning / intervention will increase the rate of decline.
- Trees retain their character and continue to contributre to the wider landscape value of the area.
- Reduced overall financial burden after initial outlay.

Small signs attached to the fencing directing members of the public around the fences with a brief explanation would likely eliminate the majority of pedestrian traffic under the trees.

Available in Appendix 7 is an indicative line for fencing/hedging to change the public desire line. If changing the desire line is not an option then alternative pruning works have been recommended.

2.2.9 Located along the main driveway to Linton Park House is a large mature Beech (T075) which was measured as 35m tall. The tree is located within easy falling distance of the access driveway which has periods of high activity through the day. The tree was noted as having Giant Polypore (*Meripilus Giganteus*) fruiting bodies growing on and around its root plate with at least seven individual clumps located predominantly to the East of the main stem. This decay is synonymous with brittle fracture of the lower main stem particularly on Beech. Therefore it is recommended that this tree be turned into an 8m monolith to reduce wind loading and be allowed to stand for habitat value until such a time as the main stem becomes unstable. If retention of a monolith is undesirable then complete removal is recommended.

3.0 Conclusion

3.1.1 From a Health and Safety perspective the primary concern is for continued safety of visitors and fulfillment of 'duty of care' requirements. The site can be considered high profile with 'high risk' target areas particularly along the Northern and Eastern boundaries seeing the necessity for a regular and rigorous monitoring regime. Due to these factors 'decay detection' has been recommended for several trees which have visible cavities or indicators of dysfunction and decay. The further investigation will allow an accurate insight to the condition of structural wood inside affected areas.

4.0 Specification for Tree Works

- 4.1.1 All work should be carried out by a competent, qualified and experienced contractor.
- 4.1.2 If trees are covered by TPO (Tree Preservation Order) or fall within a Conservation Area it will be necessary to consult with local authorities prior to any tree work being carried out.
- 4.1.3 The works recommended within this report should be deemed necessary for reasonable management and acceptable to the local authority. However the local authority are within their rights to take a different point of view and therefore have the option to refuse consent or change specified work.
- 4.1.4 It is offence to willfully or recklessly harm, disturb or destroy bat roosts and wild bird nesting sites. Whilst there was no evidence of either at the time of the inspection a contractor should carry out a further inspection prior to any work commencing.

4.1.5 Should the contractor find any evidence or roosting bats then work must cease immediately and guidance sought from Natural England 0854 1300 228.

Summary of trees

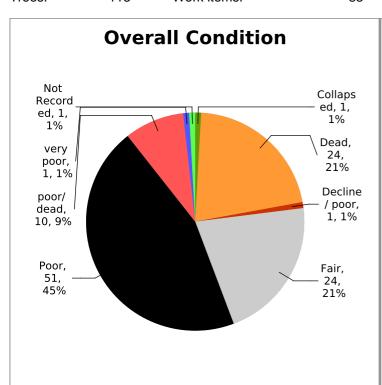
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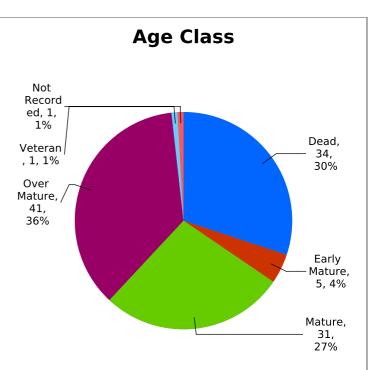
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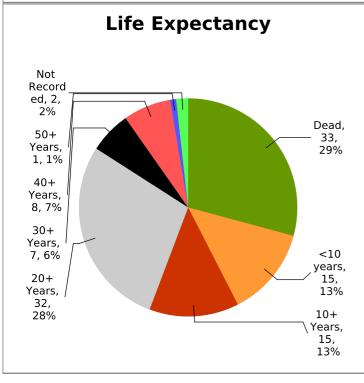
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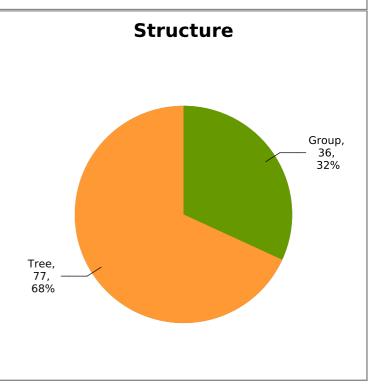
Trees: 113 Work items: 83

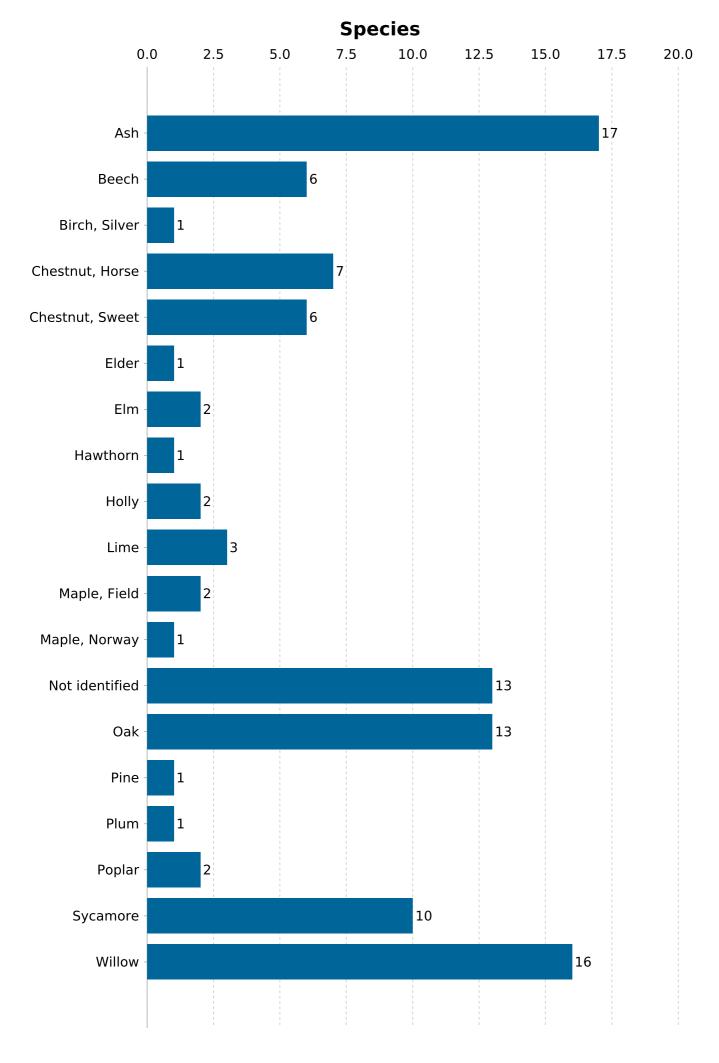












Details of tree inspections

Site name: All Sites

Risk zone: -

Contact: -

Trees: 113 Work items: 83



Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
G001	Not identified x1 (Not identified)	Multiple dead Elm & Ash saplings	Height (m): 6 Crown Radius (m): DBH (cm): 10 Life Stage: Dead	Dead saplings / young trees located within hedgerow	Dead	Fell trees with potential to fall into road Timescale: 03-Oct-2022 (3 Years)
G002	Elm (Ulmus sp.)	Roadside tree.	Height (m): 10 Crown Radius (m): DBH (cm): 20 Life Stage: Dead	Group of dead elms adjacent to highway. Caution- wasp nest in root plate attime of survey	Dead	Fell tree. Timescale: 03-Oct-2020 (1 Year)
G003	Not identified x10 (Not identified)	Roadside tree.	Height (m): 17 Crown Radius (m): DBH (cm): 30 Life Stage: Dead	Mixed group of elm & ash which are dead or in irreversible decline	poor/ dead	fell dead / dying stems within group Timescale: 03-Oct-2020 (1 Year)
G004	Elm x1 (Ulmus sp.)	Roadside trees	Height (m): 6 Crown Radius (m): 2 DBH (cm): 15 Life Stage: Dead	Dead elm located in hedgerow	Dead	Fell tree. Timescale: 03-Oct-2022 (3 Years)
G005	Willow x15 (Salix sp.)	Roadside tree.	Height (m): 14 Crown Radius (m): 10 DBH (cm): 30 Life Stage: Over Mature Life Exp.: 20+ Years	Group of five coppice stools with decay at base and heavily weighted over road. Vehicle strike marks on stems. Canopy caught in BT lines	Poor	Coppice group Timescale: 03-Oct-2021 (2 Years)

Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
G006	Ash (Fraxinus sp.) Elm x1 (Ulmus sp.)	Roadside tree. Tree in hedge.	Height (m): 6 Crown Radius (m): DBH (cm): 15 Life Stage: Dead	Dead young trees located in hedgerow	Dead	Fell dead stems with potential to fall in to highway Timescale: 04-Oct-2022 (3 Years)
T001	Oak (Quercus sp.)	Mature oak located approx 5m from highway	Height (m): 25 Crown Radius (m): 8 DBH (cm): 95 Life Stage: Mature Life Exp.: 40+ Years	Large hung up limb noted at approx 16m	Fair	Remove hung up limb& major deadwood overhanging highway Timescale: 03-Jan-2020 (3 Months)
T002	Sycamore (Acer pseudoplatanus)	Mature Sycamore set back from highway by approx 8m (just behind collapsed palling fence)	Height (m): 19 Crown Radius (m): 6 DBH (cm): 75 Life Stage: Mature Life Exp.: 20+ Years	Foliage: significant die back noted in upper canopy. Cavity noted & ground level to south investigation with metal probe revealed soft decay inside	Poor	Reduce tree by 50% leaving as a monolith Timescale: 03-Apr-2020 (6 Months)
T003	Chestnut, Sweet (Castanea sativa)	Set back from highway by 8m	Height (m): 20 Crown Radius (m): 8 DBH (cm): 100 Life Stage: Over Mature Life Exp.: 30+ Years	Die back and poor foliage noted in upper canopy	Poor	Reduce canopy by approx 20%. Remove major deadwood with potential to fall on highway Timescale: 03-Apr-2020 (6 Months)
T004	Maple, Norway (Acer platanoides)	Roadside tree. Woodland tree.	Height (m): 16 Crown Radius (m): 8 DBH (cm): 47 Life Stage: Mature Life Exp.: 20+ Years	Snapped limb hung up in tree over highway	Fair	Remove hung up limb and any major deadwood which overhangs highway Timescale: 01-Apr-2020 (6 Months)
T005	Ash (Fraxinus sp.)	Mature tree with irregular form which overhangs highway.	Height (m): 16 Crown Radius (m): 4 DBH (cm): 30 Life Stage: Mature Life Exp.: 10+ Years	Tree has irregular form which is heavily weighted over highway. Main stem has 2 x cavities at ground level to east adjacent to dead secondary stem	Fair	Remove tree Timescale: 03-Apr-2020 (6 Months)

Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
T006	Chestnut, Sweet (Castanea sativa)	Roadside tree. Woodland tree.	Height (m): 15 Crown Radius (m): 4 DBH (cm): 60 Life Stage: Over Mature Life Exp.: 10+ Years	Dead/Missing bark.	Poor	Monolith tree at first fork Timescale: 03-Apr-2020 (6 Months)
T007	Beech (Fagus sp.)	large mature tree located within falling distance of highway	Height (m): 25 Crown Radius (m): 10 DBH (cm): 86 Life Stage: Mature Life Exp.: 30+ Years	Fungal bracket noted on main stem to west @ 1m above ground level	Fair	Decay detection to ascertain extent of decay within main stem Timescale: 03-Apr-2020 (6 Months)
T008	Sycamore (Acer pseudoplatanus)	Large mature tree in falling distance of highway	Height (m): 20 Crown Radius (m): 5 DBH (cm): 60 Life Stage: Mature Life Exp.: 20+ Years	Significant cavity / decay noted around buttresses to SW	Fair	Decay detection to ascertain extent of decay in main stem Timescale: 03-Apr-2020 (6 Months)
T009	Lime (Tilia sp.)	Mature tree located adjacent to boundary fence /highway	Height (m): 20 Crown Radius (m): 7 DBH (cm): 48 Life Stage: Mature Life Exp.: 30+ Years	Tree canopy growing into street light	Fair	Prune to clear street lamp by 1m Timescale: 03-Apr-2020 (6 Months)
T010	Holly (Ilex sp.)	located adjacent to boundary fence and highway	Height (m): 9 Crown Radius (m): 3 DBH (cm): 37 Life Stage: Dead		Dead	Fell tree. Timescale: 03-Oct-2020 (1 Year)
T011	Holly (Ilex sp.)	adjacent to boundary fence and highway	Height (m): 4 Crown Radius (m): 1 DBH (cm): 20 Life Stage: Dead		Dead	monolith @ 3m and allow to degrade naturally Timescale: 03-Oct-2020 (1 Year)
T012	Sycamore (Acer pseudoplatanus)	large mature tree in falling distance	Height (m): 18 Crown Radius (m): 6 DBH (cm): 60 Life Stage: Mature Life Exp.: 20+ Years	Significant cavity noted under root plate. investigation with sounding mallet revealed no evidence of significant decay in main stem	Fair	Crown reduce by 30%. to reduce sail effect and related wind loading Timescale: 03-Oct-2021 (2 Years)

Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
T013	Sycamore (Acer pseudoplatanus)	Roadside tree.	Height (m): 20 Crown Radius (m): 8 DBH (cm): 60 Life Stage: Mature Life Exp.: 20+ Years	Large dead limb noted immediately over highway @ 4m	Fair	Remove major deadwood over highway Timescale: 03-Apr-2020 (6 Months)
T014	Beech (Fagus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 8 DBH (cm): 85 Life Stage: Mature Life Exp.: 30+ Years	significant cavity noted on main stem to SW & 6m	Fair	Climbing inspection to assess extent of cavity and ascertain degree of sound wood remaining. Caution to climber - cavity appears to be utilised by wildife Timescale: 03-Apr-2020 (6 Months)
T015	Chestnut, Sweet (Castanea sativa)	Tree in falling distance of highway	Height (m): 20 Crown Radius (m): 7 DBH (cm): 100 Life Stage: Over Mature Life Exp.: 20+ Years	large dead limb noted towards highway	Fair	Retrenchment pruning back to live growth Timescale: 03-Apr-2020 (6 Months)
T016	Beech (Fagus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 10 DBH (cm): 80 Life Stage: Over Mature Life Exp.: 10+ Years	Tree in retrenchment with upper canopy in die back / dead. poor foliage cover for species & season	Poor	Crown reduce by 30%. cutting back to live growth (retrenchment pruning) Timescale: 03-Oct-2021 (2 Years)
T017	Chestnut, Horse (Aesculus hippocastanum)	Roadside tree.	Height (m): 20 Crown Radius (m): 8 DBH (cm): 90 Life Stage: Dead Life Exp.: <10 years	Poor foliage cover with only approx 5% canopy cover. Buds noted in upper canopy. Stem bleed noted on main stem @ 1m above ground level to SE	very poor	Reduce canopy by 30% Timescale: 03-Oct-2020 (1 Year)
T018	Pine (Pinus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 0 DBH (cm): 35 Life Stage: Dead	Dead tree	Dead	Fell tree. Timescale: 03-Apr-2020 (6 Months)

Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
T019	Chestnut, Sweet (Castanea sativa)	Roadside tree.	Height (m): 20 Crown Radius (m): 5 DBH (cm): 30 Life Stage: Mature Life Exp.: 20+ Years	Secondary stem is dead and leaning against primary stem. stem has potential to reach road should it fail	Fair	Remove dead stem Timescale: 03-Apr-2020 (6 Months)
T020	Oak (Quercus sp.)	Roadside tree.	Height (m): 16 Crown Radius (m): 4 DBH (cm): 40 Life Stage: Dead	Historic topping cuts and decay noted in upper canopy	Dead	monolith tree @ 7m if stem is stable Timescale: 03-Oct-2021 (2 Years)
T021	Oak (Quercus sp.)	Roadside tree.	Height (m): 18 Crown Radius (m): 8 DBH (cm): 80 Life Stage: Over Mature Life Exp.: 30+ Years	Large seam noted on Western side of main stem. Primary leader likely to have failed with side limb becoming leader resulting in tree heavily weighted to east.	Poor	Climbing inspection to assess extent of decay. Tree may need heavy reduction to reduce weight or monolithing Timescale: 03-Apr-2020 (6 Months)
T022	Oak (Quercus sp.)	Roadside tree.	Height (m): 18 Crown Radius (m): 8 DBH (cm): 50 Life Stage: Mature Life Exp.: <10 years	Small clump of Honey fungus noted on buttress to SE	Poor	fell tree Timescale: 03-Oct-2021 (2 Years)
T023	Chestnut, Horse (Aesculus hippocastanum)	Roadside tree.	Height (m): 20 Crown Radius (m): 6 DBH (cm): 66 Life Stage: Over Mature Life Exp.: 20+ Years	Historic co-dominant limb removal wound @ 1.5m. Decay pockets noted around wound and at base of tree to North. Investigation with metal probe revealed decay pocket to 40cm at union. Cavity at base contains soft/white rot Investigation with the sounding mallet revealed adequate sound wood on remaining stem.	Poor	Crown reduce by 30 %. to reduce sail effect Timescale: 03-Oct-2021 (2 Years)

Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
T024	Beech (Fagus sp.)	approx 10m from road	Height (m): 20 Crown Radius (m): 10 DBH (cm): 90 Life Stage: Over Mature Life Exp.: 20+ Years	Historic wound on main stem to east at 3m likely caused by limb failure. Adequate healing wood visible around wound Fungal fruiting body noted on buttress to West although condition hinders identification.	Fair	Reduce canopy by 30% to munimise sail effect Timescale: 03-Oct-2021 (2 Years)
T025	Beech (Fagus sp.)	Tree in falling distance of highway	Height (m): 20 Crown Radius (m): 10 DBH (cm): 80 Life Stage: Over Mature Life Exp.: 20+ Years	Significant cavity located at ground level to south. Decay seam noted on main stem to west. Investigation with metal probe revealed soft wood to extent of probe (60cm)	Poor	Prune back canopy to give 7m clearance of boundary line to weight tree into woodland Timescale: 03-Oct-2020 (1 Year)
T026	Sycamore (Acer pseudoplatanus)	Tree in falling distance of highway	Height (m): 18 Crown Radius (m): 6 DBH (cm): 56 Life Stage: Mature Life Exp.: 10+ Years	Significant decay/ cavity located on main stem from below ground level to at least 3m	Poor	Crown reduce by 30 %. Timescale: 03-Oct-2020 (1 Year)
T027	Sycamore (Acer pseudoplatanus)	Tree in falling distance of highway	Height (m): 12 Crown Radius (m): 5 DBH (cm): 25 Life Stage: Early Mature Life Exp.: <10 years	Cavity located in main stem @ ground level Evidence of root movement with bowl & lift around stem	Poor	Fell tree. Timescale: 03-Apr-2020 (6 Months)
T028	Chestnut, Sweet (Castanea sativa)	Tree in falling distance of highway	Height (m): 20 Crown Radius (m): 2 DBH (cm): 80 Life Stage: Over Mature Life Exp.: <10 years	Wind blown tree hung up in roadside trees	Poor	Fell tree. Timescale: 03-Oct-2021 (2 Years)
T029	Chestnut, Horse (Aesculus hippocastanum)	Roadside tree.	Height (m): 19 Crown Radius (m): 15 DBH (cm): 120 Life Stage: Over Mature Life Exp.: 20+ Years	Tree heavily laden with ivy. Lack of buds noted at tips with poor foliage cover in upper canopy	Poor	Retrenchment pruning by removal of dead / cutting back to live growth. Climber to assess structural integrity of major limbs. Timescale: 03-Oct-2022 (3 Years)

Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
T030	Chestnut, Sweet (Castanea sativa)	Roadside tree.	Height (m): 20 Crown Radius (m): 7 DBH (cm): 20 Life Stage: Mature Life Exp.: 20+ Years	Rear stem of three is dead	Fair	Remove dead stem Timescale: 03-Oct-2021 (2 Years)
T031	Elder (Sambucus nigra)	Roadside tree.	Height (m): 8 Crown Radius (m): 4 DBH (cm): 100 Life Stage: Over Mature Life Exp.: <10 years	Poor canopy cover - significant die back	Poor	Fell tree. Timescale: 03-Oct-2022 (3 Years)
T032	Not identified (Not identified)	Roadside tree.	Height (m): 15 Crown Radius (m): DBH (cm): 50 Life Stage: Dead	Heavily laden with ivy	Dead	Remove upper canopy leaving stems @ 6m Timescale: 03-Oct-2020 (1 Year)
Т033	Oak (Quercus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 9 DBH (cm): 100 Life Stage: Mature Life Exp.: 40+ Years	heavily laden with ivy Damaged/hanging limb noted over driveway entrance	Fair	Remove hanging limb and major deadwood over highway& entrance Timescale: 03-Oct-2020 (1 Year)
T034	Maple, Field (Acer campestre)	Tree in falling distance of highway	Height (m): 16 Crown Radius (m): 5 DBH (cm): 20 Life Stage: Mature Life Exp.: 30+ Years	Tree has collapsed stem (with tag 8336) hung up in canopy and overhanging highway	Fair	fell collapsed stem Timescale: 03-Oct-2020 (1 Year)
T035	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 8 Crown Radius (m): 4 DBH (cm): 12 Life Stage: Over Mature Life Exp.: <10 years	Inonotus hispidus bracket noted on main stem	Poor	Fell tree. Timescale: 03-Oct-2020 (1 Year)
T036	Ash (Fraxinus sp.)	Tree in falling distance of highway	Height (m): 7 Crown Radius (m): 0 DBH (cm): 12 Life Stage: Dead	Dead stem leaning on adjacent field maple	Dead	Fell tree. Timescale: 03-Oct-2020 (1 Year)

Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
T037	Ash (Fraxinus sp.)	Tree in falling distance of highway	Height (m): 9 Crown Radius (m): 6 DBH (cm): 27 Life Stage: Early Mature Life Exp.: <10 years	poor form inonotus hispidus bracket on limb over road	Poor	monolith tree @ 3m Timescale: 03-Oct-2020 (1 Year)
T038	Ash (Fraxinus sp.)	Tree in falling distance of highway	Height (m): 6 Crown Radius (m): 0 DBH (cm): 25 Life Stage: Dead	Top of tree has collapsed and is hung up in adjacent field maple	Dead	Remove hung up limb Timescale: 03-Oct-2020 (1 Year)
T039	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 5 Crown Radius (m): 5 DBH (cm): 28 Life Stage: Mature Life Exp.: <10 years	Significant decay pocket noted at base.	Poor	Monolith tree @ 2m Timescale: 03-Oct-2020 (1 Year)
T040	Ash (Fraxinus sp.)	Tree located 6m from boundary with highway	Height (m): 20 Crown Radius (m): 9 DBH (cm): 90 Life Stage: Mature Life Exp.: 10+ Years	Large ash with multiple large Inonotus hispidus brackets on main stem. Numerous historic brackets noted on ground around tree. Stem bleed noted around buttresses.	Poor	Crown reduce by 50 %. Timescale: 03-Oct-2020 (1 Year)
T041	Oak (Quercus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 10 DBH (cm): 80 Life Stage: Mature Life Exp.: 50+ Years	significant dead wood over highway		Remove major deadwood which overhangs highway Timescale: 03-Oct-2021 (2 Years)
T042	Ash (Fraxinus sp.)	Tree in falling distance of highway	Height (m): 7 Crown Radius (m): 1 DBH (cm): 8 Life Stage: Dead		Dead	Fell tree. Timescale: 03-Oct-2021 (2 Years)
T043	Plum (Prunus domestica)	Roadside tree.	Height (m): 5 Crown Radius (m): 2 DBH (cm): 12 Life Stage: Mature Life Exp.: <10 years	Damaged stem leaning towards highway with decay	Poor	Fell tree. Timescale: 03-Oct-2021 (2 Years)

Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
T044	Ash (Fraxinus sp.)	Tree in falling distance of highway	Height (m): 20 Crown Radius (m): 10 DBH (cm): 60 Life Stage: Mature Life Exp.: 10+ Years	Historic inonotus hispidus bracket found,at base of tree	Fair	Crown reduce by 50 %. Timescale: 03-Oct-2021 (2 Years)
T045	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 5 DBH (cm): 30 Life Stage: Mature Life Exp.: 10+ Years	Cavities noted on main stem @6m	Poor	Climbing inspection to assess extent of decay Timescale: 03-Oct-2021 (2 Years)
T046	Chestnut, Horse (Aesculus hippocastanum)	Roadside tree.	Height (m): 15 Crown Radius (m): 5 DBH (cm): 70 Life Stage: Over Mature Life Exp.: <10 years	Tree has poor foliage cover compared to adjacent trees of same species. Poor bud quantity/distribution Tree in decline	Poor	Crown reduce by 30%. to minimise sail effect Timescale: 03-Oct-2021 (2 Years)
T047	Lime (Tilia sp.)	Tree in falling distance of highway	Height (m): 16 Crown Radius (m): 4 DBH (cm): 48 Life Stage: Over Mature Life Exp.: 10+ Years	Tree, subjected to historic reduction. Die back & decay noted in upper canopy. Mistletoe noted in canopy	Poor	Crown reduce by 30 %. Timescale: 03-Oct-2021 (2 Years)
T048	Lime (Tilia sp.)	Tree in falling distance of highway	Height (m): 17 Crown Radius (m): 6 DBH (cm): 40 Life Stage: Over Mature Life Exp.: 20+ Years	Heart wood decay and cavities noted on three of the primary stems estimated as being over 30% residual wood Mistletoe noted in canopy	Fair	Crown reduce by 30 %. Timescale: 03-Oct-2021 (2 Years)
T049	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 8 DBH (cm): 35 Life Stage: Dead		Dead	Pollard tree @ 4m Remove dead limb from adjacent ash 5m to south which overhangs highway Timescale: 03-Oct-2020 (1 Year)
T050	Hawthorn (Crataegus sp.)	Collapsed triple stem tree hung up in adjacent tree	Height (m): 7 Crown Radius (m): 5 DBH (cm): 30 Life Stage: Over Mature Life Exp.: <10 years		Collapsed	Fell tree. Timescale: 03-Oct-2020 (1 Year)

Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
T051	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 18 Crown Radius (m): 8 DBH (cm): 30 Life Stage: Over Mature Life Exp.: <10 years	Triple stemmed tree with historic failure and decay pocket at base.	Poor	Fell stem leaning over highway Timescale: 03-Oct-2021 (2 Years)
T052	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 16 Crown Radius (m): 6 DBH (cm): 30 Life Stage: Early Mature Life Exp.: 10+ Years	Woodpecker hole noted on stem @ 5m	Fair	Climbing inspection to assess extent of decay Timescale: 03-Oct-2021 (2 Years)
T053	Willow (Salix sp.)	Roadside tree.	Height (m): 10 Crown Radius (m): 8 DBH (cm): 35 Life Stage: Over Mature Life Exp.: 20+ Years	regenerative growth from wind blown tree which leans heavily over highway	Poor	coppice Timescale: 03-Oct-2020 (1 Year)
T054	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 8 Crown Radius (m): 7 DBH (cm): 30 Life Stage: Early Mature Life Exp.: 10+ Years	one stem has decay seam running from ground level to approx 3m	Poor	Remove damaged limb Timescale: 04-Oct-2021 (2 Years)
T055	Oak (Quercus sp.)	Roadside tree.	Height (m): 14 Crown Radius (m): 6 DBH (cm): 40 Life Stage: Early Mature Life Exp.: 40+ Years	Major deadwood over highway	Fair	Remove major deadwood over highway Timescale: 04-Oct-2022 (3 Years)
T056	Sycamore (Acer pseudoplatanus)	Roadside tree.	Height (m): 20 Crown Radius (m): 6 DBH (cm): 60 Life Stage: Over Mature Life Exp.: 10+ Years	Poor foliage cover for species & season. Other specimens in vicinity of same species still in full leaf. Multiple historic pruning wounds visible on main stem with associated decay pockets & unidentified fruiting body on main stem @ 3.5m to south	Poor	Monolith tree @ 6m Timescale: 04-Oct-2020 (1 Year)
T057	Sycamore (Acer pseudoplatanus)	Roadside tree.	Height (m): 18 Crown Radius (m): 5 DBH (cm): 30 Life Stage: Mature Life Exp.: <10 years	Devoid of foliage insufficient bud production noted Significant die back	Poor	Fell tree. Timescale: 04-Oct-2020 (1 Year)

Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
T058	Chestnut, Horse (Aesculus hippocastanum)	Roadside tree.	Height (m): 10 Crown Radius (m): 4 DBH (cm): 28 Life Stage: Mature Life Exp.: <10 years	Tree in irreversible decline devoid of leaves with poor bud coverage	Poor	Fell tree. Timescale: 04-Oct-2020 (1 Year)
T059	Not identified (Not identified)	Roadside tree. Tree has irregular form and leans over highway	Height (m): 10 Crown Radius (m): 7 DBH (cm): 30	Devoid of leaves and new buds	Dead	Monolith @ 2-3m Timescale: 04-Oct-2020 (1 Year)
T060	Sycamore (Acer pseudoplatanus)	Roadside tree.	Height (m): 12 Crown Radius (m): 3 DBH (cm): 20 Life Stage: Dead		Dead	monolith @ 2m Timescale: 04-Oct-2020 (1 Year)
T061	Sycamore (Acer pseudoplatanus)	Roadside tree.	Height (m): 17 Crown Radius (m): 5 DBH (cm): 35 Life Stage: Mature Life Exp.: 10+ Years	Poor bud coverage noted. Significant die back in upper canopy with deadwood	Poor	Monolith @ 4m Timescale: 04-Oct-2020 (1 Year)
T062	Maple, Field (Acer campestre)	Located approx 8m from highway	Height (m): 17 Crown Radius (m): 7 DBH (cm): 55 Life Stage: Over Mature Life Exp.: 10+ Years	Poor foliage cover noted in upper canopy with smaller leaf size than expected. Unidentified Fungal fruiting body located on buttress	Poor	Crown reduce by 30 %. to reduce sail effect Timescale: 04-Oct-2020 (1 Year)
T063	Ash (Fraxinus sp.)	Set back from highway by approx 10m weighted towards highway / power line	Height (m): 17 Crown Radius (m): 8 DBH (cm): 40 Life Stage: Mature Life Exp.: 10+ Years	Woodpecker holes noted on main stem @ 6 -7M	Fair	climbing inspection to assess extent of decay Timescale: 04-Oct-2020 (1 Year)
T064	Chestnut, Horse (Aesculus hippocastanum)	Roadside tree.	Height (m): 18 Crown Radius (m): 8 DBH (cm): 110 Life Stage: Over Mature Life Exp.: 20+ Years	Foliage cover estimated at 10% Bud production noted as lacking with buds being smaller than expected for species Historic pruning wound with decay noted @ approx 10m Decay pocket noted on main stem with depth of 40cm. Seam noted on main stem running down from old pruning wound	Decline / poor	Crown reduce by 40 %. Timescale: 04-Oct-2020 (1 Year)

Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
T065	Oak (Quercus sp.)	Target # - footpath	Height (m): 20 Crown Radius (m): 10 DBH (cm): 84 Life Stage: Mature Life Exp.: 40+ Years	Major deadwood in lower canopy	Fair	Remove deadwood - greater than 25 mm which overhangs footpath Timescale: 04-Oct-2020 (1 Year)
T066	Oak (Quercus sp.)	Target # - footpath	Height (m): 17 Crown Radius (m): 10 DBH (cm): 110 Life Stage: Veteran Life Exp.: 40+ Years	Tree has hollowed out stem at ground level running under the buttresses Tree in decline / retrenchment with significant deadwood & decay pockets visible in canopy.	Poor	Preferred option - fence of tree to change public desire line to allow natural retrenchment and retain full habitat value of tree. or Remove major deadwood which overhangs the footpath. Reduce major limb overhanging footpath by 40% to reduce weight. Climber to assess structural integrity of upper sections of tree. Timescale: 04-Oct-2020 (1 Year)
T067	Oak (Quercus sp.)	Target # - footpath	Height (m): 20 Crown Radius (m): 10 DBH (cm): 130 Life Stage: Over Mature Life Exp.: 40+ Years	Tree has shed a major limb revealing brown rot within main stem. Significant cavity noted in buttress area to extent of metal probe (60cm)	Poor	Preferred option - change public desire line by installation of fencing to allow natural deterioration of tree and retain habitat / landscape value. or 50% crown reduction & removal of major deadwood Timescale: 04-Oct-2020 (1 Year)

Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
T068	Oak (Quercus sp.)	Target # - footpath	Height (m): 18 Crown Radius (m): 12 DBH (cm): 130 Life Stage: Over Mature Life Exp.: 40+ Years	Large seam noted on main stem to North from ground level to 6m. Adequate healing wood visible around seam. Unidentifiable fungal fruiting body noted on seam @ 0.5m above ground level. Cavity located behind fruiting body to extent of probe (60 cm). Ganoderma spp brackets located on buttresses	Poor	Reduce northern section of canopy by 30% to weight tree to South remove major deadwood which overhangs footpath Timescale: 04-Oct-2020 (1 Year)
T069	Oak (Quercus sp.)	Dead tree located adjacent to footpath	Height (m): 14 Crown Radius (m): 5 DBH (cm): 140 Life Stage: Dead	Decaying habitat stem with multiple woodpecker holes (notably on lateral limbs) Fungal fruiting body noted on buttress to SW.	Dead	Reduce primary stem by 3-4m leaving lateral limbs to weight tree away from footpath Timescale: 04-Oct-2020 (1 Year)
T070	Ash (Fraxinus sp.)	Target # - footpath	Height (m): 15 Crown Radius (m): 8 DBH (cm): 58 Life Stage: Mature	low canopy obstructing footpath	Fair	Crown lift to 3 m for pedestrian clearance & remove major deadwood overfootpath Timescale: 04-Oct-2020 (1 Year)
T071	Oak (Quercus sp.)	Target # - footpath	Height (m): 20 Crown Radius (m): 11 DBH (cm): 90 Life Stage: Over Mature Life Exp.: 40+ Years	Split noted on northern side of main stem from ground level to 2m. Fungal fruiting body noted on base of split (possibly beefsteak fungus). Metal probe inserted into split to full extent (60cm)	Poor	Preferred option is to change public desire line to avoid tree target area. or 50% reduction to reduce sail effect Timescale: 04-Oct-2020 (1 Year)

Ref.	Species	Description	Measurements	Survey Notes	Condition	Recommendations
T072	Poplar (Populus sp.)	Target # - footpath	Height (m): 18 Crown Radius (m): 9 DBH (cm): Life Stage: Mature Life Exp.: 20+ Years	Tree has damaged limb overhanging footpath	Fair	Remove damaged limb @ deadwood over footpath Timescale: 04-Oct-2021 (2 Years)
T073	Poplar (Populus sp.)	Target # - footpath	Height (m): 20 Crown Radius (m): 6 DBH (cm): 40 Life Stage: Over Mature Life Exp.: 20+ Years	Significant split in main stem	Poor	Fell tree. Timescale: 04-Apr-2020 (6 Months)
T074	Chestnut, Horse (Aesculus hippocastanum)	Target # - footpath	Height (m): 15 Crown Radius (m): 10 DBH (cm): 100 Life Stage: Over Mature Life Exp.: 30+ Years	Cavity noted on main stem @ point of historic limb failure with fungal fruiting body (Ganoderma spp). Investigation with metal probe revealed that decay appears within branch collar. Cavity noted on main stem to South @ 3m. Multiple historic pruning wounds visible throughout canopy, some with adequate healing wood and others with a distinct lack of healing wood. Tree has been subjected to historic reduction regime.	Poor	Re-reduce the tree back to previous reduction points Timescale: 04-Oct-2022 (3 Years)
T075	Beech (Fagus sp.)	35m tree located 8m from access road	Height (m): 35 Crown Radius (m): 12 DBH (cm): 150 Life Stage: Mature Life Exp.: <10 years	multiple meripilis clusters located to south west of tree on roots	Poor	Monolith Tree @ 8m and allow to stand as habitat Timescale: 04-Oct-2020 (1 Year)
T076	Birch, Silver (Betula pendula)	Target # - footpath	Height (m): 15 Crown Radius (m): 0 DBH (cm): 15 Life Stage: Dead		Dead	Fell tree. Timescale: 04-Oct-2021 (2 Years)

Ref	Species	Description	Measurements	Survey Notes	Condition	Recommendations
T077	Ash (Fravious sp.)	Roadside tree. Tree has been marked incorrectly as T51		Western stem has poor foliage cover and die back	Fair	Remove western stem Timescale: 03-Oct-2022 (3 Years)

Work Schedule of trees

Site name: All Sites

Risk zone: -

Contact: -

Trees: 113 Work items: 83



Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T001	Oak (Quercus sp.)	Mature oak located approx 5m from highway	Height (m): 25 Crown Radius (m): 8 DBH (cm): 95 Life Stage: Mature Life Exp.: 40+ Years	Remove hung up limb& major deadwood overhanging highway	03-Jan-2020 (3 Months)
T004	Maple, Norway (Acer platanoides)	Roadside tree. Woodland tree.	Height (m): 16 Crown Radius (m): 8 DBH (cm): 47 Life Stage: Mature Life Exp.: 20+ Years	Remove hung up limb and any major deadwood which overhangs highway	01-Apr-2020 (6 Months)
T002	Sycamore (Acer pseudoplatanus)	Mature Sycamore set back from highway by approx 8m (just behind collapsed palling fence)	Height (m): 19 Crown Radius (m): 6 DBH (cm): 75 Life Stage: Mature Life Exp.: 20+ Years	Reduce tree by 50% leaving as a monolith	03-Apr-2020 (6 Months)
T003	Chestnut, Sweet (Castanea sativa)	Set back from highway by 8m	Height (m): 20 Crown Radius (m): 8 DBH (cm): 100 Life Stage: Over Mature Life Exp.: 30+ Years	Reduce canopy by approx 20%. Remove major deadwood with potential to fall on highway	03-Apr-2020 (6 Months)
T005	Ash (Fraxinus sp.)	Mature tree with irregular form which overhangs highway.	Height (m): 16 Crown Radius (m): 4 DBH (cm): 30 Life Stage: Mature Life Exp.: 10+ Years	Remove tree	03-Apr-2020 (6 Months)

Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T006	Chestnut, Sweet (Castanea sativa)	Roadside tree. Woodland tree.	Height (m): 15 Crown Radius (m): 4 DBH (cm): 60 Life Stage: Over Mature Life Exp.: 10+ Years	Monolith tree at first fork	03-Apr-2020 (6 Months)
T007	Beech (Fagus sp.)	large mature tree located within falling distance of highway	Height (m): 25 Crown Radius (m): 10 DBH (cm): 86 Life Stage: Mature Life Exp.: 30+ Years	Decay detection to ascertain extent of decay within main stem	03-Apr-2020 (6 Months)
T008	Sycamore (Acer pseudoplatanus)	Large mature tree in falling distance of highway	Height (m): 20 Crown Radius (m): 5 DBH (cm): 60 Life Stage: Mature Life Exp.: 20+ Years	Decay detection to ascertain extent of decay in main stem	03-Apr-2020 (6 Months)
T009	Lime (Tilia sp.)	Mature tree located adjacent to boundary fence /highway	Height (m): 20 Crown Radius (m): 7 DBH (cm): 48 Life Stage: Mature Life Exp.: 30+ Years	Prune to clear street lamp by 1m	03-Apr-2020 (6 Months)
T013	Sycamore (Acer pseudoplatanus)	Roadside tree.	Height (m): 20 Crown Radius (m): 8 DBH (cm): 60 Life Stage: Mature Life Exp.: 20+ Years	Remove major deadwood over highway	03-Apr-2020 (6 Months)
T014	Beech (Fagus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 8 DBH (cm): 85 Life Stage: Mature Life Exp.: 30+ Years	Climbing inspection to assess extent of cavity and ascertain degree of sound wood remaining. Caution to climber - cavity appears to be utilised by wildife	03-Apr-2020 (6 Months)
T015	Chestnut, Sweet (Castanea sativa)	Tree in falling distance of highway	Height (m): 20 Crown Radius (m): 7 DBH (cm): 100 Life Stage: Over Mature Life Exp.: 20+ Years	Retrenchment pruning back to live growth	03-Apr-2020 (6 Months)

Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T018	Pine (Pinus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 0 DBH (cm): 35 Life Stage: Dead	Fell tree.	03-Apr-2020 (6 Months)
T019	Chestnut, Sweet (Castanea sativa)	Roadside tree.	Height (m): 20 Crown Radius (m): 5 DBH (cm): 30 Life Stage: Mature Life Exp.: 20+ Years	Remove dead stem	03-Apr-2020 (6 Months)
T021	Oak (Quercus sp.)	Roadside tree.	Height (m): 18 Crown Radius (m): 8 DBH (cm): 80 Life Stage: Over Mature Life Exp.: 30+ Years	Climbing inspection to assess extent of decay. Tree may need heavy reduction to reduce weight or monolithing	03-Apr-2020 (6 Months)
T027	Sycamore (Acer pseudoplatanus)	Tree in falling distance of highway	Height (m): 12 Crown Radius (m): 5 DBH (cm): 25 Life Stage: Early Mature Life Exp.: <10 years	Fell tree.	03-Apr-2020 (6 Months)
T073	Poplar (Populus sp.)	Target # - footpath	Height (m): 20 Crown Radius (m): 6 DBH (cm): 40 Life Stage: Over Mature Life Exp.: 20+ Years	Fell tree.	04-Apr-2020 (6 Months)
G002	Elm (Ulmus sp.)	Roadside tree.	Height (m): 10 Crown Radius (m): DBH (cm): 20 Life Stage: Dead	Fell tree.	03-Oct-2020 (1 Year)
G003	Not identified x10 (Not identified)	Roadside tree.	Height (m): 17 Crown Radius (m): DBH (cm): 30 Life Stage: Dead	fell dead / dying stems within group	03-Oct-2020 (1 Year)
T010	Holly (Ilex sp.)	located adjacent to boundary fence and highway	Height (m): 9 Crown Radius (m): 3 DBH (cm): 37 Life Stage: Dead	Fell tree.	03-Oct-2020 (1 Year)

Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T011	Holly (Ilex sp.)	adjacent to boundary fence and highway	Height (m): 4 Crown Radius (m): 1 DBH (cm): 20 Life Stage: Dead	monolith @ 3m and allow to degrade naturally	03-Oct-2020 (1 Year)
T017	Chestnut, Horse (Aesculus hippocastanum)	Roadside tree.	Height (m): 20 Crown Radius (m): 8 DBH (cm): 90 Life Stage: Dead Life Exp.: <10 years	Reduce canopy by 30%	03-Oct-2020 (1 Year)
T025	Beech (Fagus sp.)	Tree in falling distance of highway	Height (m): 20 Crown Radius (m): 10 DBH (cm): 80 Life Stage: Over Mature Life Exp.: 20+ Years	Prune back canopy to give 7m clearance of boundary line to weight tree into woodland	03-Oct-2020 (1 Year)
T026	Sycamore (Acer pseudoplatanus)	Tree in falling distance of highway	Height (m): 18 Crown Radius (m): 6 DBH (cm): 56 Life Stage: Mature Life Exp.: 10+ Years	Crown reduce by 30 %.	03-Oct-2020 (1 Year)
T032	Not identified (Not identified)	Roadside tree.	Height (m): 15 Crown Radius (m): DBH (cm): 50 Life Stage: Dead	Remove upper canopy leaving stems @ 6m	03-Oct-2020 (1 Year)
Т033	Oak (Quercus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 9 DBH (cm): 100 Life Stage: Mature Life Exp.: 40+ Years	Remove hanging limb and major deadwood over highway& entrance	03-Oct-2020 (1 Year)
T034	Maple, Field (Acer campestre)	Tree in falling distance of highway	Height (m): 16 Crown Radius (m): 5 DBH (cm): 20 Life Stage: Mature Life Exp.: 30+ Years	fell collapsed stem	03-Oct-2020 (1 Year)
T035	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 8 Crown Radius (m): 4 DBH (cm): 12 Life Stage: Over Mature Life Exp.: <10 years	Fell tree.	03-Oct-2020 (1 Year)

Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T036	Ash (Fraxinus sp.)	Tree in falling distance of highway	Height (m): 7 Crown Radius (m): 0 DBH (cm): 12 Life Stage: Dead	Fell tree.	03-Oct-2020 (1 Year)
T037	Ash (Fraxinus sp.)	Tree in falling distance of highway	Height (m): 9 Crown Radius (m): 6 DBH (cm): 27 Life Stage: Early Mature Life Exp.: <10 years	monolith tree @ 3m	03-Oct-2020 (1 Year)
T038	Ash (Fraxinus sp.)	Tree in falling distance of highway	Height (m): 6 Crown Radius (m): 0 DBH (cm): 25 Life Stage: Dead	Remove hung up limb	03-Oct-2020 (1 Year)
T039	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 5 Crown Radius (m): 5 DBH (cm): 28 Life Stage: Mature Life Exp.: <10 years	Monolith tree @ 2m	03-Oct-2020 (1 Year)
T040	Ash (Fraxinus sp.)	Tree located 6m from boundary with highway	Height (m): 20 Crown Radius (m): 9 DBH (cm): 90 Life Stage: Mature Life Exp.: 10+ Years	Crown reduce by 50 %.	03-Oct-2020 (1 Year)
T049	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 8 DBH (cm): 35 Life Stage: Dead	Pollard tree @ 4m Remove dead limb from adjacent ash 5m to south which overhangs highway	03-Oct-2020 (1 Year)
T050	Hawthorn (Crataegus sp.)	Collapsed triple stem tree hung up in adjacent tree	Height (m): 7 Crown Radius (m): 5 DBH (cm): 30 Life Stage: Over Mature Life Exp.: <10 years	Fell tree.	03-Oct-2020 (1 Year)
T053	Willow (Salix sp.)	Roadside tree.	Height (m): 10 Crown Radius (m): 8 DBH (cm): 35 Life Stage: Over Mature Life Exp.: 20+ Years	coppice	03-Oct-2020 (1 Year)

Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T056	Sycamore (Acer pseudoplatanus)	Roadside tree.	Height (m): 20 Crown Radius (m): 6 DBH (cm): 60 Life Stage: Over Mature Life Exp.: 10+ Years	Monolith tree @ 6m	04-Oct-2020 (1 Year)
T057	Sycamore (Acer pseudoplatanus)	Roadside tree.	Height (m): 18 Crown Radius (m): 5 DBH (cm): 30 Life Stage: Mature Life Exp.: <10 years	Fell tree.	04-Oct-2020 (1 Year)
T058	Chestnut, Horse (Aesculus hippocastanum)	Roadside tree.	Height (m): 10 Crown Radius (m): 4 DBH (cm): 28 Life Stage: Mature Life Exp.: <10 years	Fell tree.	04-Oct-2020 (1 Year)
T059	Not identified (Not identified)	Roadside tree. Tree has irregular form and leans over highway	Height (m): 10 Crown Radius (m): 7 DBH (cm): 30	Monolith @ 2-3m	04-Oct-2020 (1 Year)
T060	Sycamore (Acer pseudoplatanus)	Roadside tree.	Height (m): 12 Crown Radius (m): 3 DBH (cm): 20 Life Stage: Dead	monolith @ 2m	04-Oct-2020 (1 Year)
T061	Sycamore (Acer pseudoplatanus)	Roadside tree.	Height (m): 17 Crown Radius (m): 5 DBH (cm): 35 Life Stage: Mature Life Exp.: 10+ Years	Monolith @ 4m	04-Oct-2020 (1 Year)
T062	Maple, Field (Acer campestre)	Located approx 8m from highway	Height (m): 17 Crown Radius (m): 7 DBH (cm): 55 Life Stage: Over Mature Life Exp.: 10+ Years	Crown reduce by 30 %. to reduce sail effect	04-Oct-2020 (1 Year)
T063	Ash (Fraxinus sp.)	Set back from highway by approx 10m weighted towards highway / power line	Height (m): 17 Crown Radius (m): 8 DBH (cm): 40 Life Stage: Mature Life Exp.: 10+ Years	climbing inspection to assess extent of decay	04-Oct-2020 (1 Year)

Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T064	Chestnut, Horse (Aesculus hippocastanum)	Roadside tree.	Height (m): 18 Crown Radius (m): 8 DBH (cm): 110 Life Stage: Over Mature Life Exp.: 20+ Years	Crown reduce by 40 %.	04-Oct-2020 (1 Year)
T065	Oak (Quercus sp.)	Target # - footpath	Height (m): 20 Crown Radius (m): 10 DBH (cm): 84 Life Stage: Mature Life Exp.: 40+ Years	Remove deadwood - greater than 25 mm which overhangs footpath	04-Oct-2020 (1 Year)
T066	Oak (Quercus sp.)	Target # - footpath	Height (m): 17 Crown Radius (m): 10 DBH (cm): 110 Life Stage: Veteran Life Exp.: 40+ Years	Preferred option - fence of tree to change public desire line to allow natural retrenchment and retain full habitat value of tree. or Remove major deadwood which overhangs the footpath. Reduce major limb overhanging footpath by 40% to reduce weight. Climber to assess structural integrity of upper sections of tree.	04-Oct-2020 (1 Year)
T067	Oak (Quercus sp.)	Target # - footpath	Height (m): 20 Crown Radius (m): 10 DBH (cm): 130 Life Stage: Over Mature Life Exp.: 40+ Years	Preferred option - change public desire line by installation of fencing to allow natural deterioration of tree and retain habitat / landscape value. or 50% crown reduction & removal of major deadwood	04-Oct-2020 (1 Year)
T068	Oak (Quercus sp.)	Target # - footpath	Height (m): 18 Crown Radius (m): 12 DBH (cm): 130 Life Stage: Over Mature Life Exp.: 40+ Years	Reduce northern section of canopy by 30% to weight tree to South remove major deadwood which overhangs footpath	04-Oct-2020 (1 Year)
T069	Oak (Quercus sp.)	Dead tree located adjacent to footpath	Height (m): 14 Crown Radius (m): 5 DBH (cm): 140 Life Stage: Dead	Reduce primary stem by 3-4m leaving lateral limbs to weight tree away from footpath	04-Oct-2020 (1 Year)

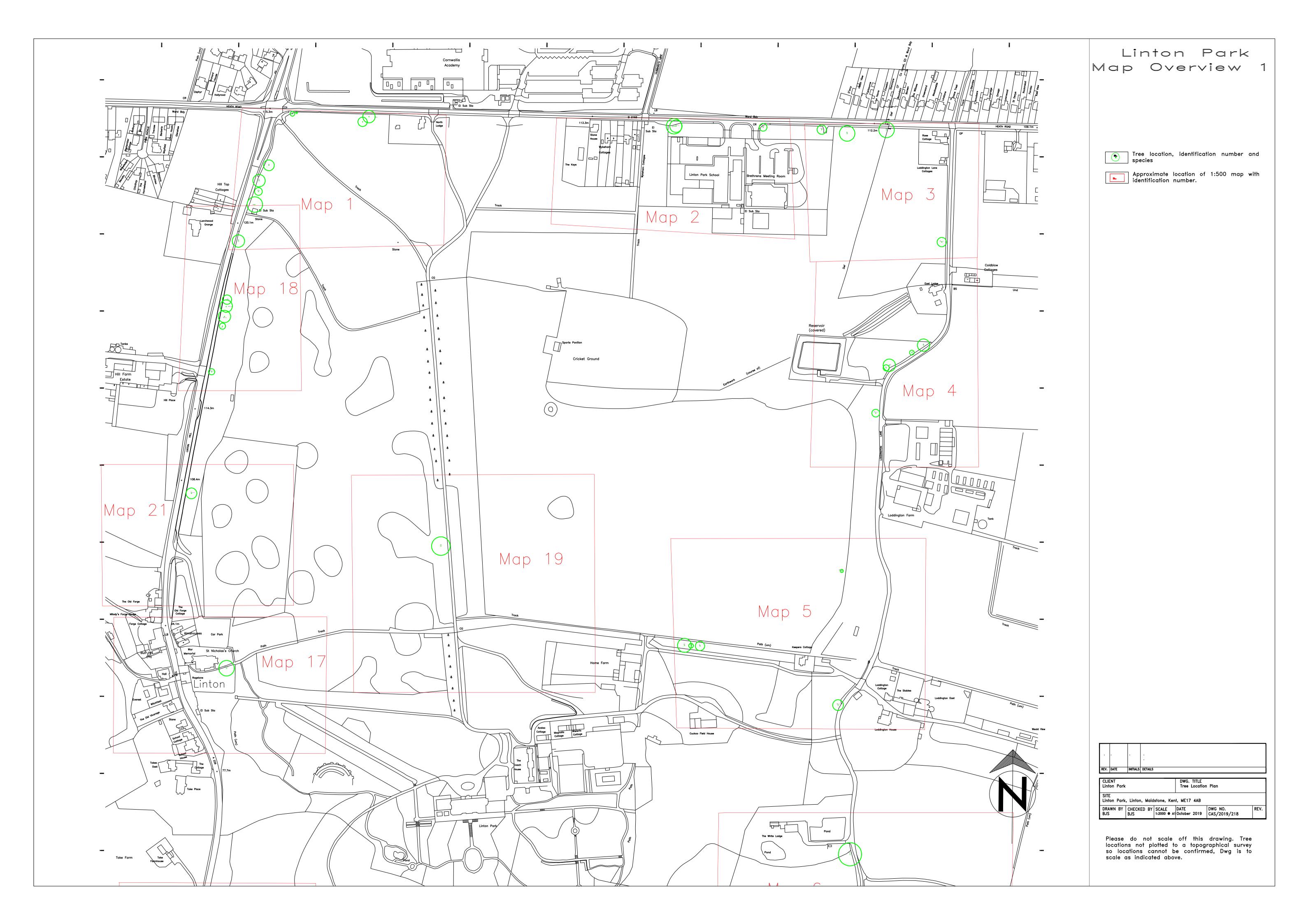
Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T070	Ash (Fraxinus sp.)	Target # - footpath	Height (m): 15 Crown Radius (m): 8 DBH (cm): 58 Life Stage: Mature	Crown lift to 3 m for pedestrian clearance & remove major deadwood overfootpath	04-Oct-2020 (1 Year)
T071	Oak (Quercus sp.)	Target # - footpath	Height (m): 20 Crown Radius (m): 11 DBH (cm): 90 Life Stage: Over Mature Life Exp.: 40+ Years	Preferred option is to change public desire line to avoid tree target area. or 50% reduction to reduce sail effect	04-Oct-2020 (1 Year)
T075	Beech (Fagus sp.)	35m tree located 8m from access road	Height (m): 35 Crown Radius (m): 12 DBH (cm): 150 Life Stage: Mature Life Exp.: <10 years	Monolith Tree @ 8m and allow to stand as habitat	04-Oct-2020 (1 Year)
G005	Willow x15 (Salix sp.)	Roadside tree.	Height (m): 14 Crown Radius (m): 10 DBH (cm): 30 Life Stage: Over Mature Life Exp.: 20+ Years	Coppice group	03-Oct-2021 (2 Years)
T012	Sycamore (Acer pseudoplatanus)	large mature tree in falling distance	Height (m): 18 Crown Radius (m): 6 DBH (cm): 60 Life Stage: Mature Life Exp.: 20+ Years	Crown reduce by 30%. to reduce sail effect and related wind loading	03-Oct-2021 (2 Years)
T016	Beech (Fagus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 10 DBH (cm): 80 Life Stage: Over Mature Life Exp.: 10+ Years	Crown reduce by 30%. cutting back to live growth (retrenchment pruning)	03-Oct-2021 (2 Years)
T020	Oak (Quercus sp.)	Roadside tree.	Height (m): 16 Crown Radius (m): 4 DBH (cm): 40 Life Stage: Dead	monolith tree @ 7m if stem is stable	03-Oct-2021 (2 Years)

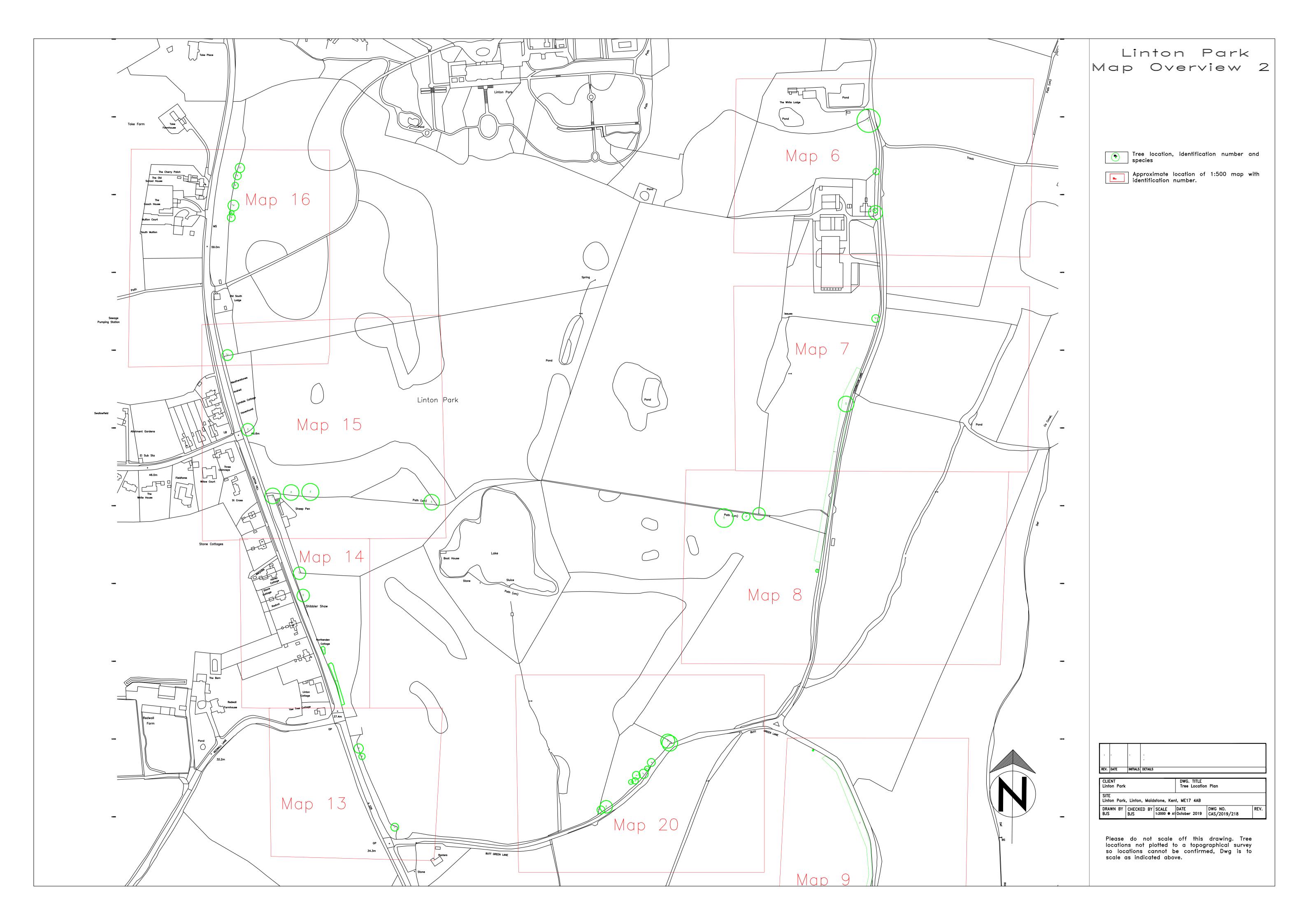
Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T022	Oak (Quercus sp.)	Roadside tree.	Height (m): 18 Crown Radius (m): 8 DBH (cm): 50 Life Stage: Mature Life Exp.: <10 years	fell tree	03-Oct-2021 (2 Years)
T023	Chestnut, Horse (Aesculus hippocastanum)	Roadside tree.	Height (m): 20 Crown Radius (m): 6 DBH (cm): 66 Life Stage: Over Mature Life Exp.: 20+ Years	Crown reduce by 30 %. to reduce sail effect	03-Oct-2021 (2 Years)
T024	Beech (Fagus sp.)	approx 10m from road	Height (m): 20 Crown Radius (m): 10 DBH (cm): 90 Life Stage: Over Mature Life Exp.: 20+ Years	Reduce canopy by 30% to munimise sail effect	03-Oct-2021 (2 Years)
T028	Chestnut, Sweet (Castanea sativa)	Tree in falling distance of highway	Height (m): 20 Crown Radius (m): 2 DBH (cm): 80 Life Stage: Over Mature Life Exp.: <10 years	Fell tree.	03-Oct-2021 (2 Years)
T030	Chestnut, Sweet (Castanea sativa)	Roadside tree.	Height (m): 20 Crown Radius (m): 7 DBH (cm): 20 Life Stage: Mature Life Exp.: 20+ Years	Remove dead stem	03-Oct-2021 (2 Years)
T041	Oak (Quercus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 10 DBH (cm): 80 Life Stage: Mature Life Exp.: 50+ Years	Remove major deadwood which overhangs highway	03-Oct-2021 (2 Years)
T042	Ash (Fraxinus sp.)	Tree in falling distance of highway	Height (m): 7 Crown Radius (m): 1 DBH (cm): 8 Life Stage: Dead	Fell tree.	03-Oct-2021 (2 Years)

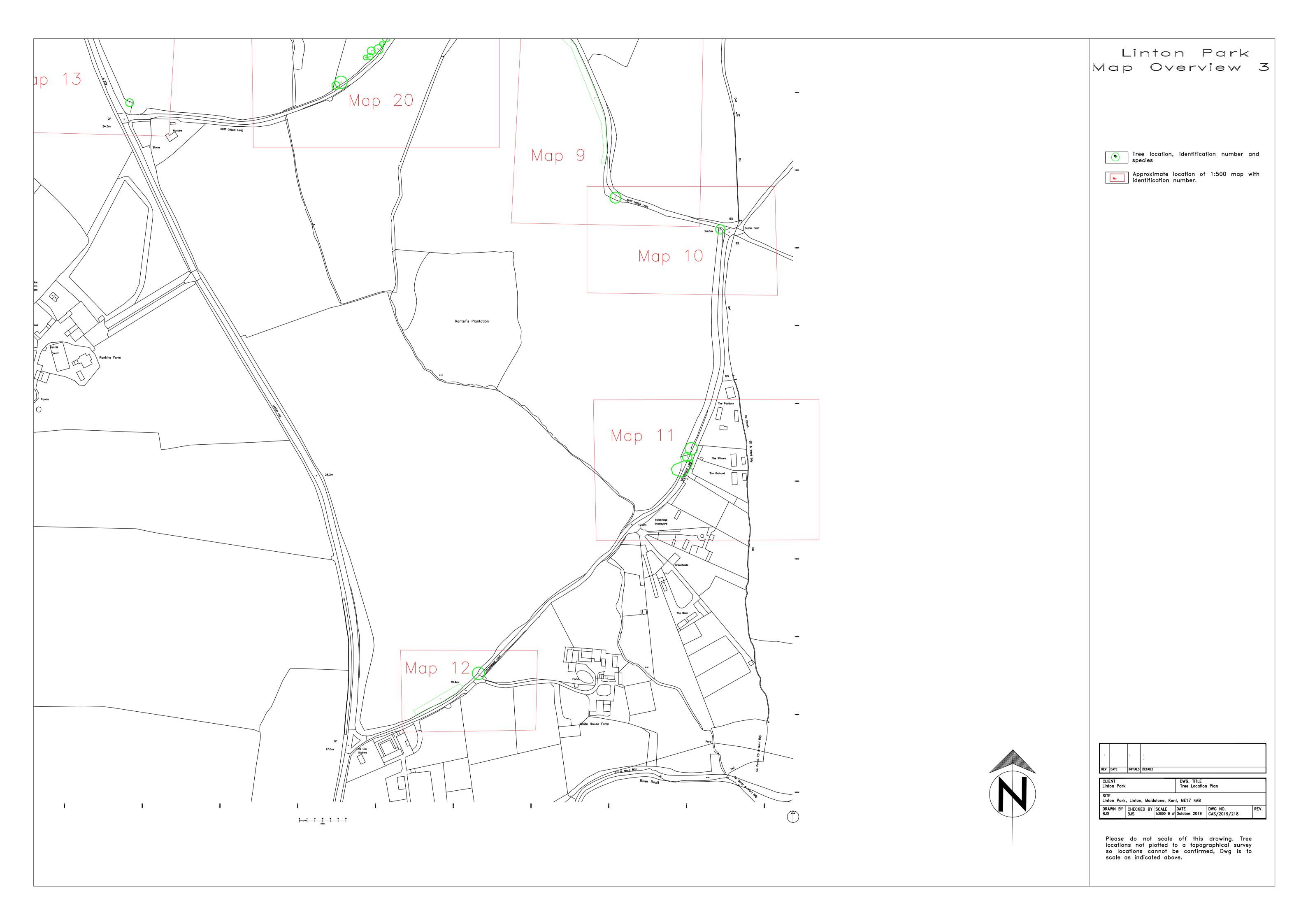
Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T043	Plum (Prunus domestica)	Roadside tree.	Height (m): 5 Crown Radius (m): 2 DBH (cm): 12 Life Stage: Mature Life Exp.: <10 years	Fell tree.	03-Oct-2021 (2 Years)
T044	Ash (Fraxinus sp.)	Tree in falling distance of highway	Height (m): 20 Crown Radius (m): 10 DBH (cm): 60 Life Stage: Mature Life Exp.: 10+ Years	Crown reduce by 50 %.	03-Oct-2021 (2 Years)
T045	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 20 Crown Radius (m): 5 DBH (cm): 30 Life Stage: Mature Life Exp.: 10+ Years	Climbing inspection to assess extent of decay	03-Oct-2021 (2 Years)
T046	Chestnut, Horse (Aesculus hippocastanum)	Roadside tree.	Height (m): 15 Crown Radius (m): 5 DBH (cm): 70 Life Stage: Over Mature Life Exp.: <10 years	Crown reduce by 30%. to minimise sail effect	03-Oct-2021 (2 Years)
T047	Lime (Tilia sp.)	Tree in falling distance of highway	Height (m): 16 Crown Radius (m): 4 DBH (cm): 48 Life Stage: Over Mature Life Exp.: 10+ Years	Crown reduce by 30 %.	03-Oct-2021 (2 Years)
T048	Lime (Tilia sp.)	Tree in falling distance of highway	Height (m): 17 Crown Radius (m): 6 DBH (cm): 40 Life Stage: Over Mature Life Exp.: 20+ Years	Crown reduce by 30 %.	03-Oct-2021 (2 Years)
T051	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 18 Crown Radius (m): 8 DBH (cm): 30 Life Stage: Over Mature Life Exp.: <10 years	Fell stem leaning over highway	03-Oct-2021 (2 Years)

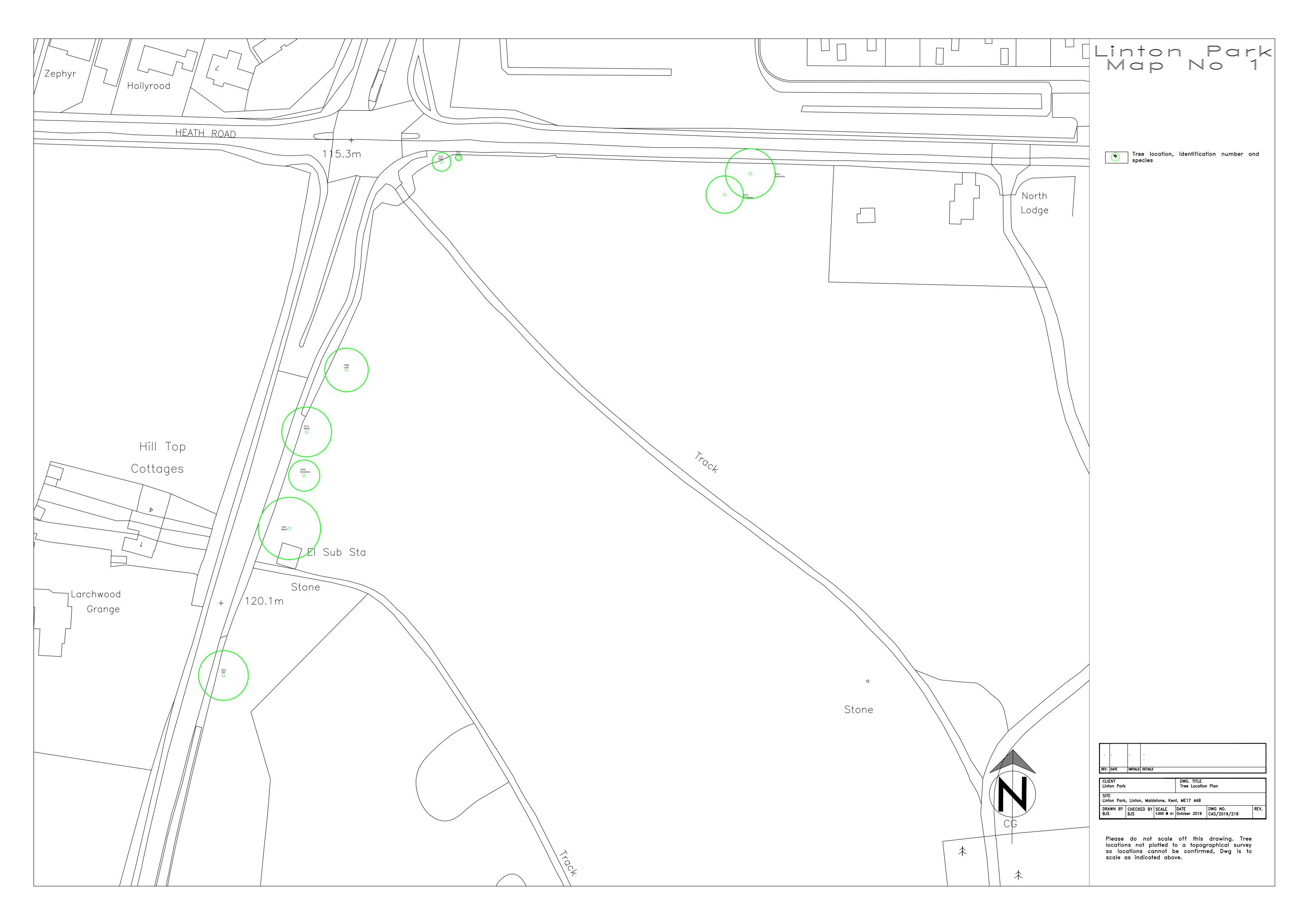
Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
T052	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 16 Crown Radius (m): 6 DBH (cm): 30 Life Stage: Early Mature Life Exp.: 10+ Years	Climbing inspection to assess extent of decay	03-Oct-2021 (2 Years)
T054	Ash (Fraxinus sp.)	Roadside tree.	Height (m): 8 Crown Radius (m): 7 DBH (cm): 30 Life Stage: Early Mature Life Exp.: 10+ Years	Remove damaged limb	04-Oct-2021 (2 Years)
T072	Poplar (Populus sp.)	Target # - footpath	Height (m): 18 Crown Radius (m): 9 DBH (cm): Life Stage: Mature Life Exp.: 20+ Years	Remove damaged limb @ deadwood over footpath	04-Oct-2021 (2 Years)
T076	Birch, Silver (Betula pendula)	Target # - footpath	Height (m): 15 Crown Radius (m): 0 DBH (cm): 15 Life Stage: Dead	Fell tree.	04-Oct-2021 (2 Years)
G001	Not identified x1 (Not identified)	Multiple dead Elm & Ash saplings	Height (m): 6 Crown Radius (m): DBH (cm): 10 Life Stage: Dead	Fell trees with potential to fall into road	03-Oct-2022 (3 Years)
G004	Elm x1 (Ulmus sp.)	Roadside trees	Height (m): 6 Crown Radius (m): 2 DBH (cm): 15 Life Stage: Dead	Fell tree.	03-Oct-2022 (3 Years)
T029	Chestnut, Horse (Aesculus hippocastanum)	Roadside tree.	Height (m): 19 Crown Radius (m): 15 DBH (cm): 120 Life Stage: Over Mature Life Exp.: 20+ Years	Retrenchment pruning by removal of dead / cutting back to live growth. Climber to assess structural integrity of major limbs.	03-Oct-2022 (3 Years)
T031	Elder (Sambucus nigra)	Roadside tree.	Height (m): 8 Crown Radius (m): 4 DBH (cm): 100 Life Stage: Over Mature Life Exp.: <10 years	Fell tree.	03-Oct-2022 (3 Years)

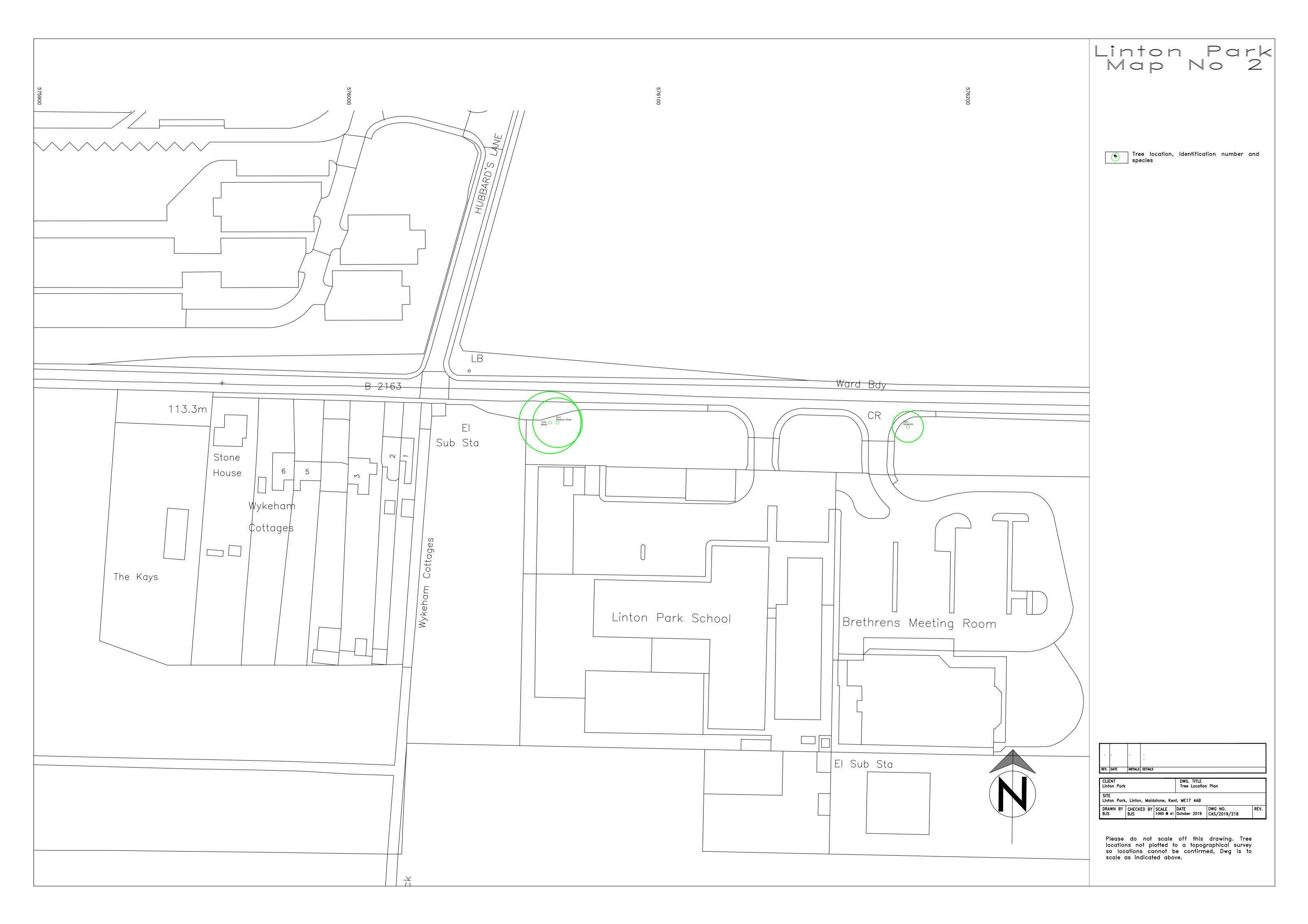
Ref.	Species	Description	Measurements	Recommendations	Priority / Timescale
Т077	Ash (Fraxinus sp.)	Roadside tree. Tree has been marked incorrectly as T51	Height (m): 14 Crown Radius (m): 8 DBH (cm): 30 Life Stage: Mature Life Exp.: 10+ Years	Remove western stem	03-Oct-2022 (3 Years)
G006	Ash (Fraxinus sp.) Elm x1 (Ulmus sp.)	Roadside tree. Tree in hedge.	Height (m): 6 Crown Radius (m): DBH (cm): 15 Life Stage: Dead	Fell dead stems with potential to fall in to highway	04-Oct-2022 (3 Years)
T055	Oak (Quercus sp.)	Roadside tree.	Height (m): 14 Crown Radius (m): 6 DBH (cm): 40 Life Stage: Early Mature Life Exp.: 40+ Years	Remove major deadwood over highway	04-Oct-2022 (3 Years)
T074	Chestnut, Horse (Aesculus hippocastanum)	Target # - footpath	Height (m): 15 Crown Radius (m): 10 DBH (cm): 100 Life Stage: Over Mature Life Exp.: 30+ Years	Re-reduce the tree back to previous reduction points	04-Oct-2022 (3 Years)















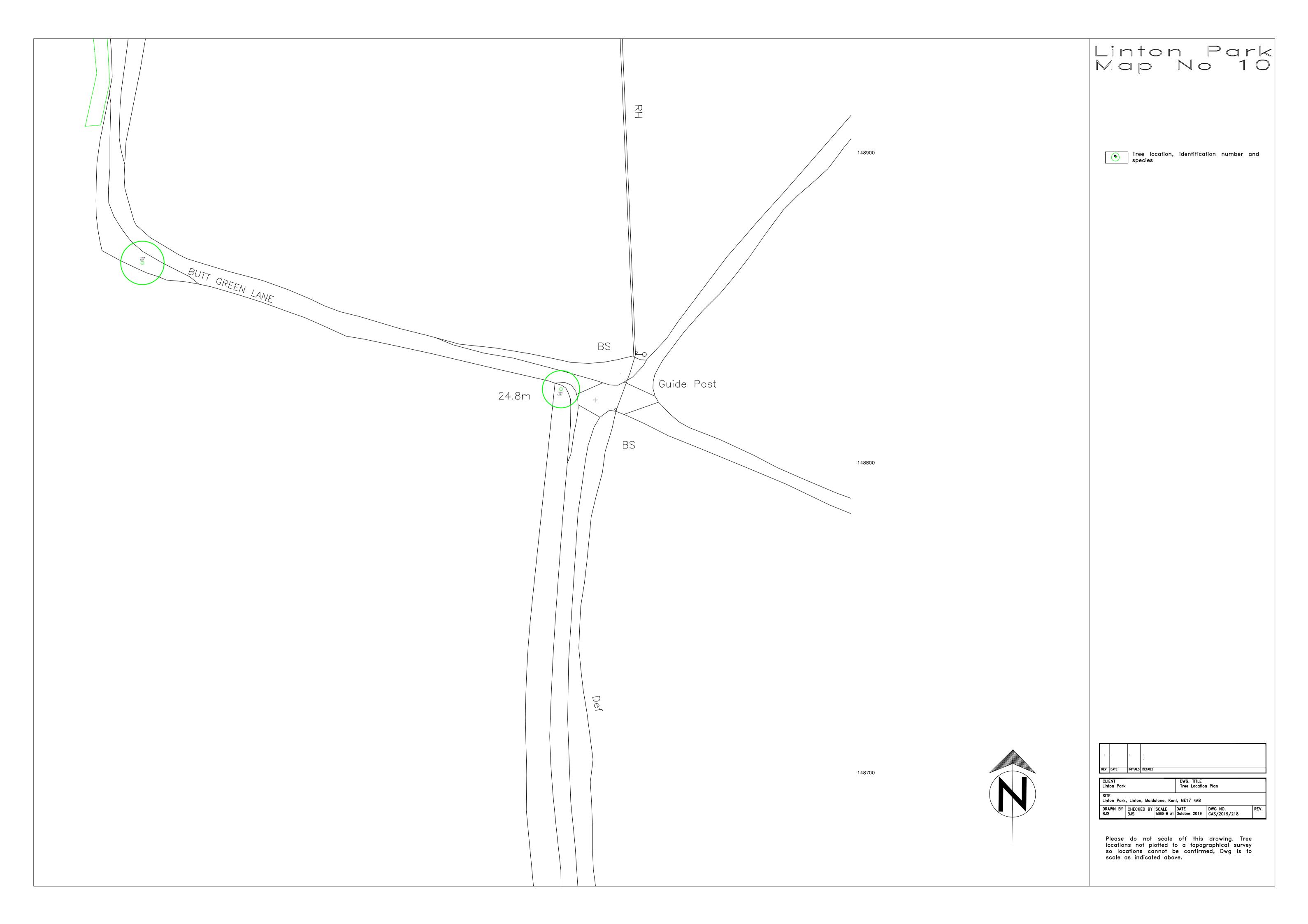


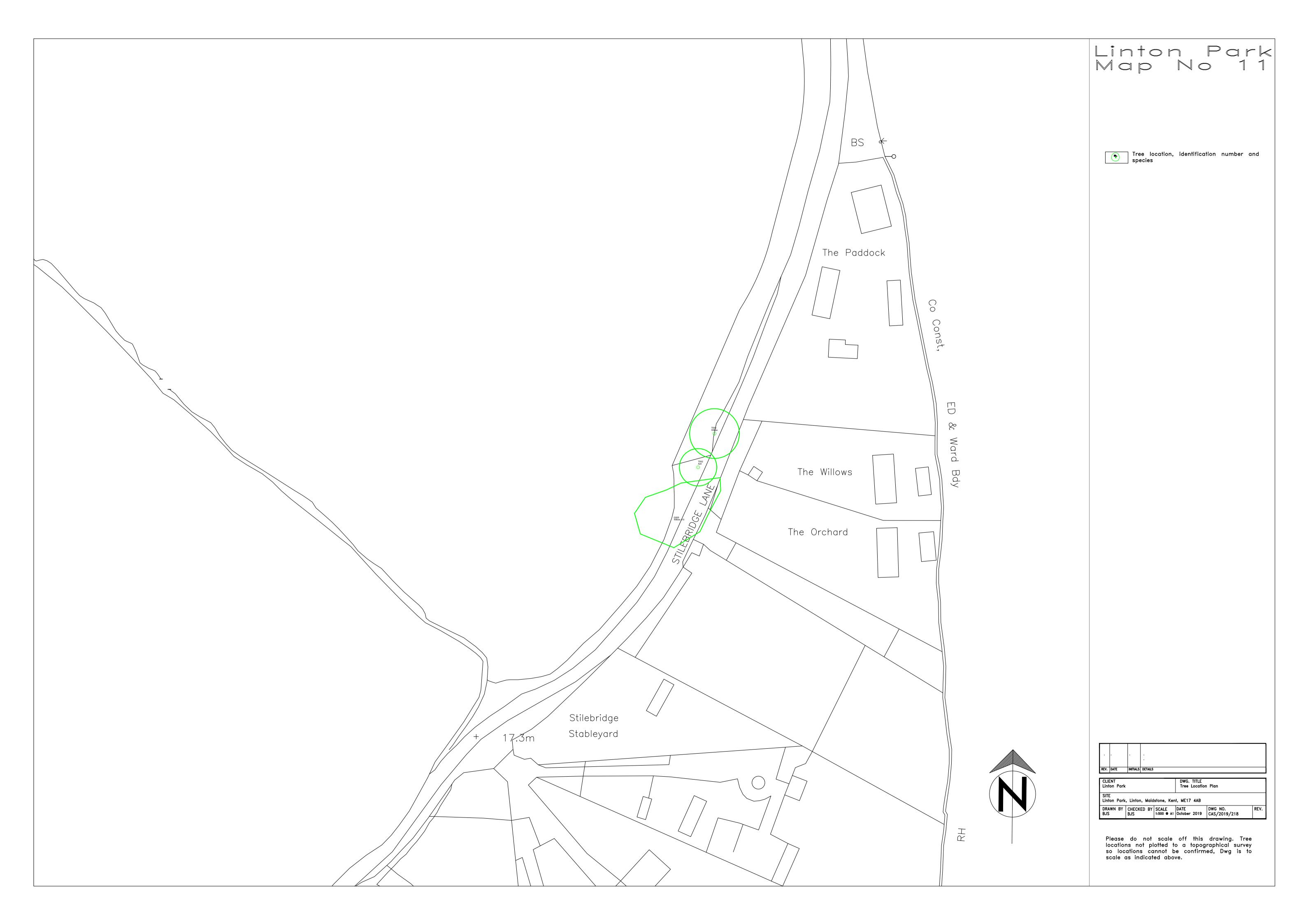








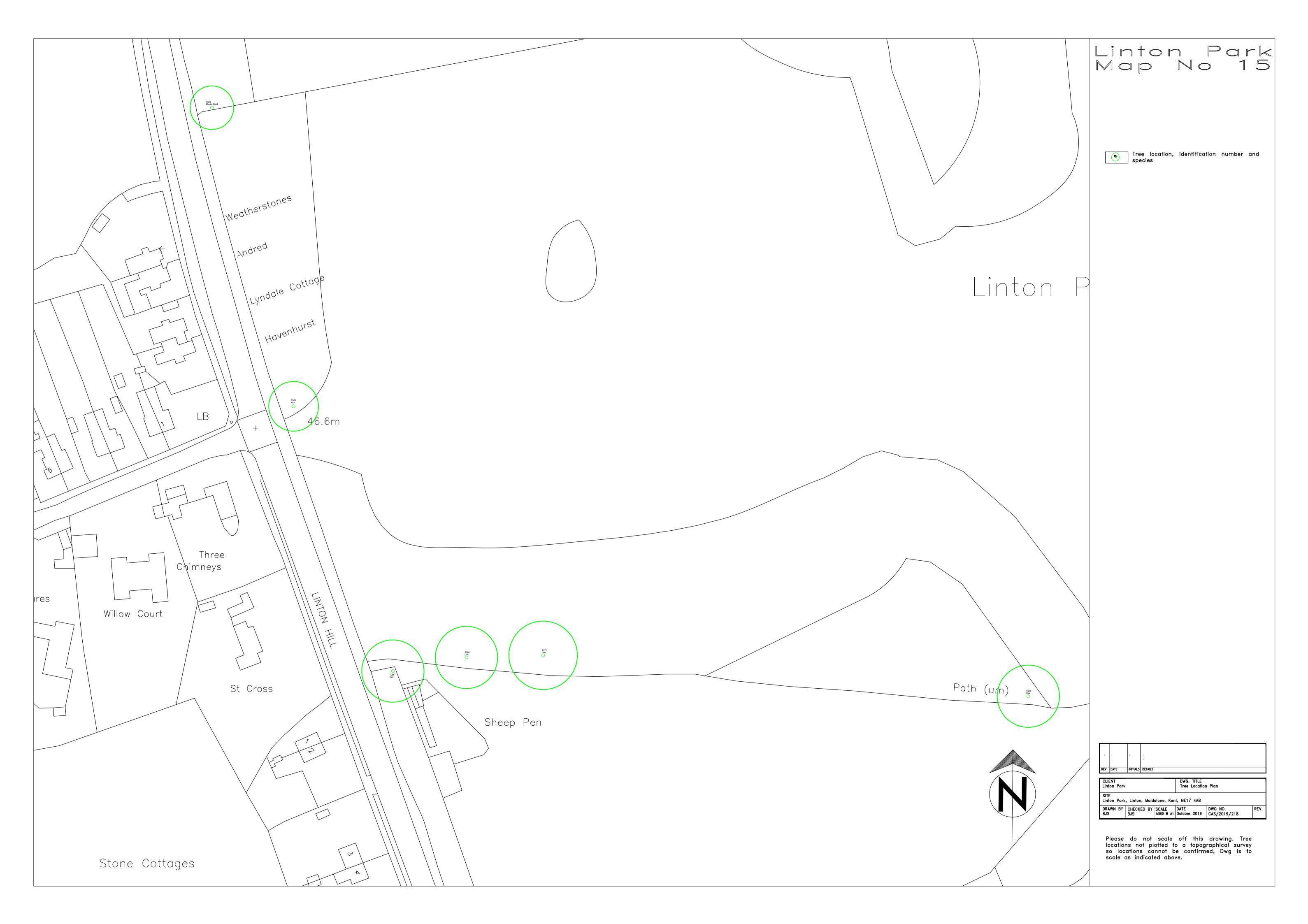




















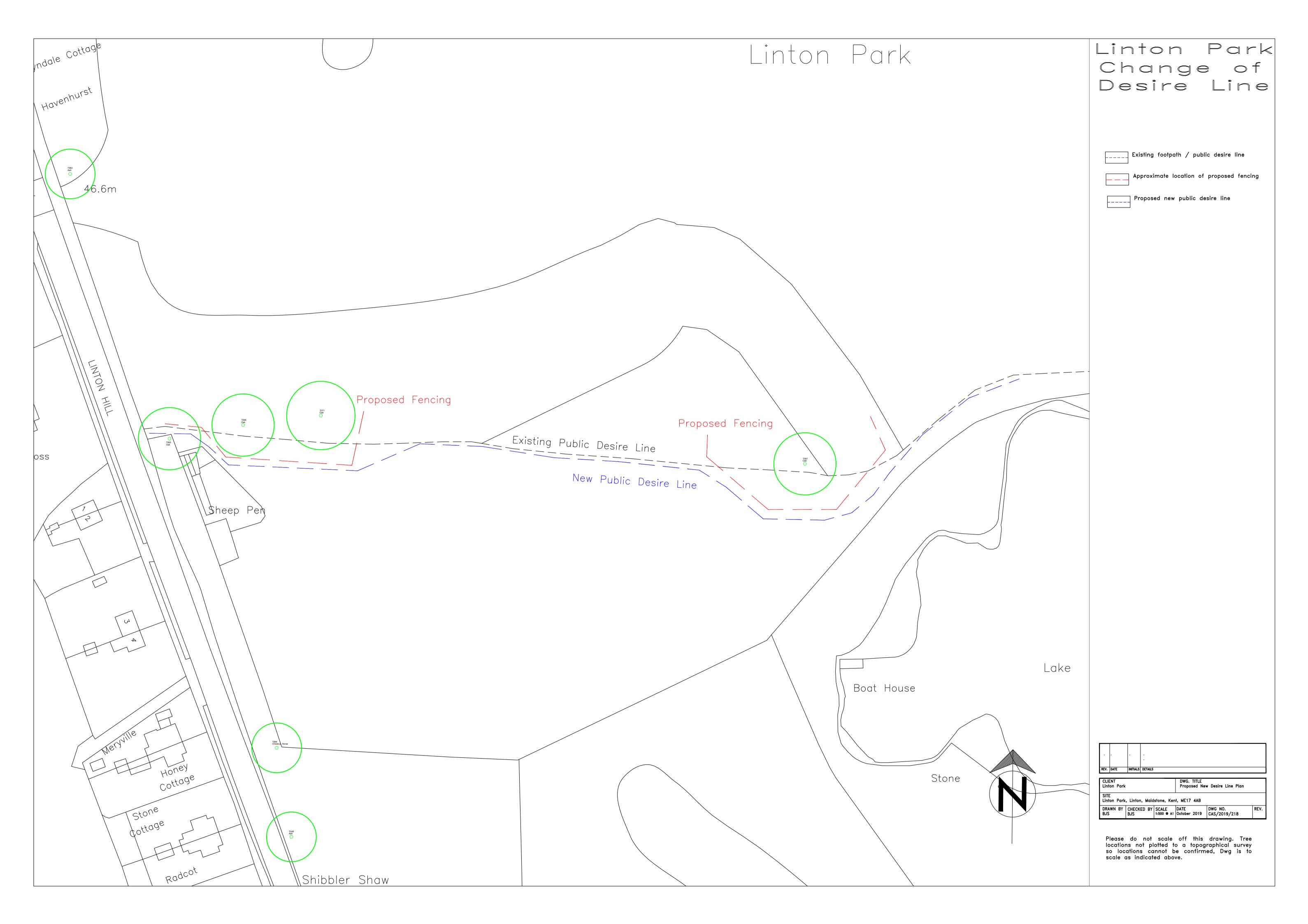




Appendix 6 Map/Tree Index

MAP NUMBER	TREE NUMBERS
Map 1	T001, T007-T014
Map 2	T016-017, T027
Map 3	T023-T026
Map 4	T018-T022
Map 5	T028, T030, T072-073, T076
Map 6	T029, T031-033
Map 7	T034, T044, G001 (part)
Map 8	T043, T068-T070, G001 (part)
Map 9	T042, T054, G006
Map 10	T054-055
Map 11	T052-053, G005
Map 12	T077, G004
Map 13	T046-048
Map 14	T049, T064, G002, G003
Map 15	T062-063, T065-067, T071
Map 16	T056-062
Map 17	T074

Map 18	T001-T007
Map 19	T075
Map 20	T035-041, T045, T050-051
Map 21	T015



Appendix 8 Site Pictures





Fungal Brackets Located on T040 Ash



T066 Oak viewed from East



T067 Oak with large limb failure viewed from South East



T068 Oak viewed from West



T068 Oak – stem damage and fungal fruiting body.



T068 Oak – Ganoderma spp fruiting bodies around buttresses



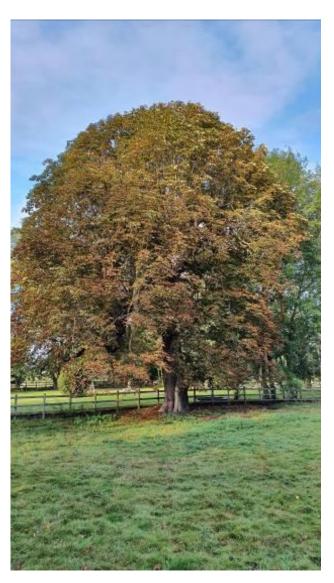
T071 Oak viewed from South



T071 Stem damage viewed from North with fungal bodies



T073 Poplar – main stem split



T074 Horse Chestnut



T074 Horse Chestnut – *Ganoderma spp* bracket



T075 Beech – located on driveway



T075 Beech – multiple Giant Polypore (*Meripilus Giganteus*) fruiting bodies

Tree Schedule Explanatory Notes

Identifies trees, groups and hedges on the accompanying plan. Ref.no

Common names are provided to aid wider comprehension. **Species**

Height Describes the approximate height of the tree measured in metres from ground level

Indicates the crown radius from the base of the tree in four compass directions, recorded to the nearest metre. **Canopy Spread**

Ground Clearance Height of crown clearance above adjacent ground in metres.

DBH (mm) DBH is the diameter of the stem measured in cm at 1.5m from ground level for single stemmed trees or just above

root flare for multi-stemmed trees. Stem Diameter may be estimated where access is restricted.

Root Protection Radius (RPR) is area required to be protected measured radially from the trunk centre. RPR (cm)

Root Protection Area (RPA) is the minimum rooting area in m² which should remain undisturbed around each tree. RPA (m²)

Age of the tree expressed as Y- Young, MA- Middle-Aged, EM- Early Mature, M- Mature or OM- Over-Mature **Age Class**

General Condition Overall condition of tree expressed as :Good, Fair, Poor, Dead

Physioloical and structural

condition

May include general comments about growth characteristics, how it is affected by other trees and any previous

surgery works. Also specific problems such as dead wood, pests, diseases, broken limbs. Etc

Estimated Remaining

Years

Categorised in year bands of less than 10, 10+, 20+, 40+

BS Category B.S. Cat refers to (BS 5837:2005 Table 1) and refers to tree/overall group quality and value; 'A' - High; 'B' -

Moderate; 'C' - Low; 'U' - Remove.

Sub Category Sub Cat refers to the retention criteria values where 1 is arboricultural, 2 is landscape and 3 is cultural including

conservational, historic and commemorative