TREE SURVEYS & CONSULTANCY SERVICES

Arboricultural Impact Assessment

Installation of 132kv and Fibre Cables

Client	Kronospan
Agent	AXIS P.E.D LIMITED
Site Address	Kronospan 132kv substation, Chirk and Black Park
Arboricultural Consultant	Mike Wood *Dip Arb. PTI, TechArbor A*
Local Authority	Wrexham County Borough Council (WCBC)
Proposal	Installation of two 132kV circuits and two fibre cables between the existing Legacy to Oswestry 132kV wood pole overhead line and the proposed Kronospan 132kV substation.
Survey Date	March 2025
Report Date	14th November 2025
Report Reference	251114-1.1-AIA-K132F-T21-MW

Arboricultural ASSOCIATION Technician Member

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Executive Summary

- This report provides an assessment upon the impact of trees and a proposal to install two 132kV circuits and two fibre cables (hereafter referred to as 'the Project') between the existing Legacy to Oswestry 132kV wood pole overhead line and the proposed Kronospan 132kV substation.

- A tree survey along the proposed route corridor was undertaken in March 2025 to inform this assessment. The survey recorded a total of 281 tree records which are those that have the potential to be impacted by the Project. The tree survey and report have been undertaken in accordance with BS5837:*2012 Trees in Relation to design, Demolition and Construction - Recommendations.*

- The tree records recorded include 147 individual trees, 41 tree groups and 93 hedgerows. 35 of trees have been recorded as category 'A', 106 features (trees or tree groups) as category 'B', 50 features as category 'C' and 1 tree as category 'U'. Hedgerows have not been assigned tree retention categories, as this is not stated in BS5837:2012.

- None of the trees will be removed to facilitate the proposal. However, supervision and monitoring during trench excavations in selected areas (see Appendix A & C) will be required. Potential tree management/mitigation will arise following the supervision, depending on the outcome.

- None of the trees are anticipated to require any facilitation pruning work. However, at the time of writing this assessment, the type and size of plant and machinery to be used across the site is unknown and selective pruning in various areas of the site may become apparent before the Project commences. Any such works will be undertaken in accordance with BS3998:2012 and those trees protected by Tree Preservation Orders will not be pruned unless the appropriate permission has been granted.

- Tree protection measures and site supervision by the project Arboricultural Consultant have been set out in the appended Tree Protection, Retention & Removal Plan where considered appropriate to ensure the impact upon retained trees is as low as possible.

- A separate Arboricultural Method Statement has also been provided which sets out the stages of the project and how and where arboricultural management is required, along with a schedule of supervision to ensure trees are managed properly through the Project.

1.0 Qualifications and Experience

1.0.1 The survey and report have been prepared by Mike Wood *Dip Arb. TechArborA*, Principal Arboricultural Consultant of Tree 21 Limited. Mike Wood has 25 years' experience in arboriculture, with over 19 years' experience in providing BS5837 surveys and reports and is a certified LANTRA Professional Tree Inspector and a member of the Arboricultural Association.

2.0 Introduction

2.0.1 This report and appendices have been produced to assess the impact upon trees and a proposal to install two 132kV circuits and two fibre cables between the existing Legacy to Oswestry 132kV wood pole overhead line and the proposed Kronospan 132kV substation.

2.0.2 The survey was undertaken in accordance with BS5837:2012 Recommendations. A topographical survey base plan was used as the base map for the tree survey; however, tree positions were plotted using a combination of GPS and aerial imagery as trees were not plotted on the topographical base plan.

2.0.3 The Tree Schedule at Appendix A provides all data and proposed action for each tree record. The Tree Constraints Plan (TCP) at Appendix B illustrates the tree in the current context. The Protection, Retention and Removal Plan (TPRRP) at Appendix C illustrates the proposed context, with text notes, tree protection barriers where considered appropriate and the route alignment added as a layer. The TCP and TPRRP includes the position of the trees, crown spread in four cardinal directions, retention category and Root Protection Areas (RPA) in accordance with BS5837:2012.

3.0 Scope

3.0.1 A tree survey was undertaken in March 2025, further to instruction from AXIS on behalf of the client. The resulting survey data was then used to produce a Tree Schedule (Appendix A), Tree Constraints Plan (Appendix B) and Tree Protection Retention and Removal Plan (Appendix C) to inform this assessment.

3.1 Purpose of the Report

3.1.1 This assessment is intended to report on any impact upon trees, evaluating the impact of above ground parts (stem and branches), expressed as crown spread and below ground parts (roots), which is expressed as the Root Protection Area (RPA). The report also considers the wider impact on the landscape and post development/long-term sustainability between the Project and the treescape.

3.1.2 The report, and the accompanying information, is supplied to assess the impact on trees from the Project, with the following areas as a framework:

- Trees to be pruned or removed to facilitate the Project (where known).
- Identify suitable protection measures for retained trees throughout the construction of the proposal, including enabling works.
- Provide high level information on proposed compensation planting to contribute towards maintaining canopy cover if trees are heavily impacted, following supervision & monitoring.
- Provide a "Heads of Terms" Arboricultural Method Statement to provide information on how trees will be managed through the process.

3.2 Documents Provided to Tree 21 Limited

- Location Plan
- Topographical Base Map
- 132kv and Fibre Cable Route Layout
- Axis Environmental Appraisal
- EDES Engineering Report
- PBU HDD Feasibility Report

3.3 Limitations

3.3.1 This report is a preliminary assessment of trees from ground level and observations have been made solely from visual inspection for the purposes of assessment in terms relevant to planning and development. Only hand tools have been used which may include binoculars, nylon mallet, laser measure, compass, height measuring

device and fine manual metal probe to aid tree assessment where considered necessary during the survey. No detailed internal decay detection devices have been used in assessing trunk condition.

3.3.2 The conclusions relate to conditions found at the time of the survey. The recommendations contained within this report are valid for a period of one year only. Any significant alteration to the site that may affect the tree or have a bearing on the planning implications (including level changes, hydrological changes, extreme climatic events, or other site works) will necessitate a re-assessment of the trees and the site.

3.3.3 It should be noted that this survey is not a tree safety inspection. It is carried out to inform the planning process. Where clear and obvious hazards have been observed, these have been addressed in Appendix A - Tree Schedule). A full assessment of the levels of risk posed by trees would be informed by considering site use together with hazards present within the tree. Changes in site use are likely to occur during, and result from, the proposed development. In the light of these changes, regular tree risk assessments are advised.

3.3.4 Trees are living dynamic organisms, and their condition can change quickly, therefore this report is only valid for 12 months following the report date. A follow up tree survey should be undertaken beyond 12 months to re-assess the condition of the trees, which informs the retention categories in BS5837:2012, unless work has already progressed.

4.0 Tree Survey Assessment Methodology

4.0.1 The tree survey was undertaken in March 2025. The survey took place from ground level aided by the Visual Tree Assessment method (Mattheck and Breloer, 1994), in accordance with BS5837:2012 guidelines. The data was recorded in specialist tree data capture software.

4.0.2 Weather conditions were dry with adequate light and visibility to observe the trees and surrounding environs.

4.0.3 While this appraisal is not a tree risk assessment it nonetheless considers observed structural defects of the inspected tree, where applicable, to inform conclusions with regard to long term management.

4.0.4 Recommendations have been made, where considered appropriate to address immediate tree hazards/or to manage the trees within the context of the site becoming a work area and a Proposed Development site with consideration to long term retention.

4.1 Data Collection

4.1.1 Data collected includes a designated tree (T), group (G) or hedge (H) number, tree species, height, number of stems, diameter at 1.5m above ground level, crown clearance (height of periphery of crown spread above ground level), branch spread (to N, S, E and W), age class, physiological condition, useful life expectancy tree condition, site notes (where this has a bearing on the present or future health or structural condition of the tree), preliminary management recommendations, and tree retention category in accordance with BS5837:2012.

4.2 Presentation of the Data Collected

4.2.1 Data collected during the Tree Survey is presented in the Tree Schedule table in Appendix A in accordance with BS5837:2012 *Trees in Relation to Design, Demolition and Construction – Recommendations*.

4.2.2 The tree survey data is provided in the Tree Schedule (Appendix A) and illustrated on the Tree Constraints Plan (Appendix B). The Tree Protection, Retention and Removal Plan (Appendix C) provides the Project, as a layer over the TCP and provides illustrative information on tree removal, tree retention and any recommended tree protection. All other relevant data are presented within the main body of this assessment.

5.0 Site Description and Context

5.0.1 The route is more or less a circular route, following existing road infrastructure where possible. There are sections of HDD (Horizontal Directional Drilling), such as under the A483 and other sections where traditional installation is not feasible. The route has been altered further into the centre of roads where possible, to minimise the potential impact on tree routes, such as near trees covered by Tree Preservation Order No. WCBC No.26. Halton Road, Chirk, Wrexham.

5.0.2 The trees on site are mixture of mainly native broad-leaved deciduous and evergreen conifers. Age ranges of trees vary, mostly early-mature to mature, with some late mature Oaks and one veteran Oak (T66). This veteran tree is located in a residential garden adjacent Colliery Road and will not be impacted below ground due to the existing heavy road make up.

6.0 Summary of Tree Data

6.0.1 The tables below summarise the recorded data on the trees across the site.

Table 1: Provides a summary of the tree retention categories across the site.

Retention Category	No. inspections
A	35
B	106
C	50
U	1
Not Recorded (hedgerows)	89
Total	281

Table 2: Provides a summary on the life stages of trees across the site.

Life Stage	No. inspections
Dead	1
Early Mature	82
Mature	86
Over Mature	4
Semi Mature	18
Veteran	3
Not Recorded	87
Total	281

8.0 Arboricultural Constraints

8.0.1 Tree constraints are presented in the Tree Schedule in Appendix A and the Tree Constraints Plan in Appendix B. These constraints are also considered further below.

8.0.2 The TCP, (Appendix B) illustrates the Root Protection Area (RPA) for the trees identified in the Tree Data Schedule (Appendix A). This represents the minimum area in m^2 which

should ideally be left undisturbed around retained trees. The TCP also shows a representation of the crown spread of each tree measured in four cardinal directions. The RPA has been calculated in accordance with BS5837:2012 Trees in Relation to Design, Demolition & Construction – Recommendations.

9.0 Tree Removal and Pruning

9.0.1 None of the retained trees are currently anticipated to be removed or require pruning to facilitate the Project.

10 Tree Protection

10.0.1 The Tree Protection, Retention and Removal Plan (Appendix C), illustrates the proposed alignment of protective measures for retained trees. The protective barriers are intended to be installed before any works begin, including enabling works, with the exception of tree felling work, which will need to be undertaken before the installation of the protective barriers, due to practicalities.

10.0.2 The barriers will minimise damage within the Root Protection Areas (RPA) of retained tree, groups, and hedges. They will prevent potential damage such as soil compaction or contamination, or physical damage to above ground tree parts from machinery activity. The areas within the protected areas will be a Construction Exclusion Zone (CEZ). No activity at all, including the storage of materials or equipment will be undertaken within the CEZ.

10.0.4 The protective barriers will be maintained in good condition throughout the construction works and only removed on completion, to enable final soft landscaping. Any works required within the CEZ or any other areas where Root Protection Areas cannot be fully protected, should only be undertaken following Arboricultural Method Statement, which will be approved to Wrexham County Borough Council (WCBC) before implementing the methods within the document.

11.0 New Tree Panting and Final Soft Landscaping

11.0.1 Currently none of the trees are panned to be pruned or removed to facilitate the Project. However, if there is impact on a tree or trees, following the excavations within

Root Protection Areas, which will be recorded during the supervision and monitoring works, a mitigation strategy will be prepared which may include new tree planting to compensate, depending on the severity of the impact.

12.0 Arboricultural Method Statement Heads of Terms

12.0.1 In order to ensure any potential damage to retained trees are minimised, the following points will be followed.

a. Arboricultural supervision works will be required whilst excavating the cable trench near trees, within highway extents. The location details for these works and where supervision is required, is illustrated on the Tree Protection Plan. The full details are presented within an Arboricultural Method Statement, with a schedule of arboricultural supervision, by a qualified arboriculturist.

b. If any tree removal work or pruning work is prescribed, following monitoring and supervision or excavations within Root Protection Areas, they will be undertaken by competent and qualified arborists, working to best practice BS3998:2010.

c. Tree Protection, as set out in the Tree Protection Plan at Appendix C, will be installed before any other works associated, including other enabling works and earthworks and before any plant equipment, welfare, storage, or compounds are set up on site. The tree protection will be checked monthly by an Arboricultural Consultant to ensure it is maintained in good order throughout the project duration.

d. Movement of machinery, storage of materials, welfare areas or any other storage or activity including access and egress and temporary haul routes to remove or deliver equipment and HDD equipment will not occur within the tree protection areas and follow designated haul roots. Trackway will be used on soft ground where possible and a 30m x 30m compound will be installed to the east of the A483 as illustrated on the Tree Protection, Retention & Removal Plan.

e. Any damage arising to any retained tree will initiate an appropriate tree monitoring and management strategy, to be agreed with the WCBC Tree Officer before implementation.

Legislation and Guidance

Town & Country Planning Act 1990

Town & Country Planning (Trees) Regulations 1999

Forestry Act 1967

Health & Safety at Work Act 1974

Construction (Design & Management) Regulations 1994

BS 5837:2012 Trees in Relation to Design, Demolition & Construction - Recommendations

BS 3998:2010 Tree Work Recommendations

National Joint Utilities Group Publication No.4

REFERENCES

Mattheck, C. and Breloer, H. (1995). The Body Language of Trees: A handbook for failure analysis. Research for Amenity Trees **4**. HMSO, London, 240pp.

Matheny, N and Clark, J (1997) Trees and Development: A Technical Guide to Preservation of Trees During Land Development. ISBN 1-881956-20-2

STANDARDS PUBLICATIONS

Trees in Relation Design, Demolition & Construction – Recommendations. (BS5837), British Standards Institution, London (2012).

Tree Work - Recommendations. (BS3998), British Standards Institution, London (2010).

Appendix A

Tree Schedule

Tree Categories

Tree Data

Table 1 Cascade Chart taken from BS5837:2012 Trees in Relation to Design, Demolition & Construction – Recommendations.

BS5837 Survey Data

TREE SURVEYS & CONSULTANCY SERVICES

Ref.	Species	Measurements	General Observations	Category	Recommendations
G08	Hazel x4 (Corylus avellana) Common ash x7 (Fraxinus excelsior)	Height (m): 16 11 stems, avg.(mm): 400# Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 10+ Years	Trees are located a minimum of 10m from the curb edge behind fence in Kronospan complex.	B2 RPA Area: 363 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G10	Mixed species (Mixed species)	Height (m): 12 Stem Diam(mm): 300 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Mixed group located in Kronospan complex between perimeter fence and soil bund, 6m from curb edge.	B2 RPA Area: 6379 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G100	Mixed species (Mixed species)	Height (m): 12 Stem Diam(mm): 250 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 2.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Embankment group, early mature. Mostly broadleaved native mix, with occasional Scots Pine. Continues south.	B2 RPA Area: 3852 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
G101	Mixed species (Mixed species)	Height (m): 12 Stem Diam(mm): 250 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 2.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Embankment group, early mature. Mostly broadleaved native mix, with occasional Scots Pine. Continues south.	B2 RPA Area: 3287 sq m.	Pre construction: No action required. During construction: No action required. HDD will be below the rooting envioronment. Post construction: No action required.
G103	Sycamore x3 (Acer pseudoplatanus)	Height (m): 20 3 stems, avg.(mm): 700# Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	Group of 4 mature trees in linear form (east-west), within younger group.	B2 RPA Area: 352 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G104	Mixed species (Mixed species)	Height (m): 12 Stem Diam(mm): 250 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 2.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Embankment group, semi/early mature. Mostly broadleaved native mix, with occasional Scots Pine. Continues north.	B2 RPA Area: 7048 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G105	Mixed species (Mixed species)	Height (m): 12 Stem Diam(mm): 250 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 2.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Embankment group, early mature. Mostly broadleaved native mix, with occasional Scots Pine.	B2 RPA Area: 6742 sq m.	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
G108	Pedunculate oak x15 (Quercus robur)	Height (m): 20 15 stems, avg.(mm): 900 Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	Group of mature trees, mostly Oak within field.	A2 RPA Area: 7106 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G113	Fir x20 (Abies sp.) Sycamore x10 (Acer pseudoplatanus)	Height (m): 25 30 stems, avg.(mm): 500# Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Woodland group within hedged boundary. Good overall Physiological and Structural condition.	B2 RPA Area: 2178 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G114	Sycamore x5 (Acer pseudoplatanus) Fir x3 (Abies sp.) Common beech x5 (Fagus sylvatica) European larch x5 (Larix decidua)	Height (m): 17 18 stems, avg.(mm): 450# Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 4.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Woodland group within hedged boundary. Good overall Physiological and Structural condition. Many trees are ivy clad. Trees to east of group are overhanging road, with approximately 4.5m clearance.	B2 RPA Area: 1487 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G115	Fir x15 (Abies sp.) Sycamore x15 (Acer pseudoplatanus)	Height (m): 18 30 stems, avg.(mm): 450# Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 4.5 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Woodland group within hedged boundary. Good overall Physiological and Structural condition.Trees in denture of group are overhanging road, with approximately 4.5m clearance.	B2 RPA Area: 1729 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
G125	Sycamore x5 (Acer pseudoplatanus) Common beech x5 (Fagus sylvatica)	Height (m): 20 10 stems, avg.(mm): 300# Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Group, spread out behind stone boundary wall. Added for context.	B2 RPA Area: 1560 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G140	Pedunculate oak x2 (Quercus robur) Sycamore x4 (Acer pseudoplatanus)	Height (m): 17 6 stems, avg.(mm): 750# Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Broadleaved group on bank, set back 8m from hedge. Good overall Physiological and Structural condition.	B1,2 RPA Area: 1006 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G153	Scots pine x2 (Pinus sylvestris) Silver birch (Betula pendula) Sycamore (Acer pseudoplatanus)	Height (m): 12 4 stems, avg.(mm): 300# Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Group located around brook. There is a stone wall between the group and the road.	B2 RPA Area: 141 sq m.	Pre construction: No action required. During construction: No action required. HDD will drill below potential tree roots. Post construction: No action required.
G169	Common hawthorn x7 (Crataegus monogyna)	Height (m): 7 7 stems, avg.(mm): 200# Spread (m): 1.5N, 1.5E, 1.5S, 1.5W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	Linear group, comprising neglected section of hedgerow.	B2 RPA Area: 509 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
G178	Common hawthorn x10 (Crataegus monogyna)	Height (m): 10 10 stems, avg.(mm): 100# Spread (m): 1.5N, 1.5E, 1.5S, 1.5W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	Neglected section of hedgerow.	C2 RPA Radius: 1.2m. Area: 138 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G182	Hazel x5 (Corylus avellana)	Height (m): 5 5 stems, avg.(mm): 100# Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	Linear group of Hazel, previously coppiced and regrown.	C2 RPA Area: 171 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G189	Common ash x3 (Fraxinus excelsior)	Height (m): 15 3 stems, avg.(mm): 600# Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 20+ Years	On bank in field. Linear form, east-west.	B2 RPA Area: 113 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
G191	Mixed species (Mixed species)	Height (m): 10 Stem Diam(mm): 250# Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Copse group, continues north. Native broadleaved species, mostly Oak.	B2 RPA Area: 1248 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
G192	Field maple x3 (Acer campestre) Common hawthorn x5 (Crataegus monogyna) Common holly x2 (Ilex aquifolium)	Height (m): 8 10 stems, avg.(mm): 150# Spread (m): 1.5N, 1.5E, 1.5S, 1.5W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Neglected hedgerow section.	C2 RPA Area: 186 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G205	Common hawthorn (Crataegus monogyna) Common ash x5 (Fraxinus excelsior) Sycamore (Acer pseudoplatanus)	Height (m): 13 7 stems, avg.(mm): 300 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Linear group within hedgerow.	B2 RPA Area: 581 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G214	Common hawthorn x15 (Crataegus monogyna) Field maple x10 (Acer campestre)	Height (m): 4.5 25 stems, avg.(mm): 100 Spread (m): 1.5N, 1.5E, 1.5S, 1.5W Crown Clearance (m): 0.5 Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Group unmanaged hedgerow character.	C2 RPA Area: 580 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
G215	Common hawthorn x30 (Crataegus monogyna) Common ash x7 (Fraxinus excelsior) Elm x3 (Ulmus sp.)	Height (m): 5 40 stems, avg.(mm): 100# Spread (m): 1.5N, 1.5E, 1.5S, 1.5W Crown Clearance (m): 0.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Group/neglected hedge character. Growing mostly on bank of ditch. 2-2.5m grass verge between curb and road.	C2 RPA Area: 1034 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G222	Mixed species x10 (Mixed species)	Height (m): 10 10 stems, avg.(mm): 120 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 1.5 Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Mixed group amenity trees, in McDonald's grounds.	C2 RPA Area: 242 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G225	Mixed species (Mixed species)	Height (m): 10 Stem Diam(mm): 100 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 1 Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Mixed broadleaved planted group between McDonald's site and A5 Bridge. Set back on verge.	C2 RPA Area: 775 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G226	Common hawthorn x10 (Crataegus monogyna)	Height (m): 7 10 stems, avg.(mm): 150 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Hawthorn group between hedge and road, approximately 2m from curb.	C2 RPA Area: 442 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
G228	Mixed broadleaves x20 (Mixed broadleaves)	Height (m): 10 20 stems, avg.(mm): 120 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 20+ Years	End of a planted group, along side the A5.	B2 RPA Area: 940 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G229	Mixed broadleaves x10 (Mixed broadleaves)	Height (m): 4 10 stems, avg.(mm): 80 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0.5 Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Mostly semi mature Hawthorn, set back 2-2.5m from curb.	C2 RPA Area: 261 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G231	Mixed species (Mixed species)	Height (m): 6 Stem Diam(mm): 100 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 0.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Native boundary hedgerow with several Ash outgrowing the hedgerow. 0.75 from edge of road.	C2 RPA Radius: 1.2m. Area: 266 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G232	Common hawthorn x15 (Crataegus monogyna) Wild cherry x2 (Prunus avium)	Height (m): 5.5 17 stems, avg.(mm): 100 Spread (m): 1.5N, 1.5E, 1.5S, 1.5W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Linear hedgerow group located 2m from edge of road, located 1.5m above road level.	C2 RPA Radius: 1.2m. Area: 227 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
G233	Mixed broadleaves x20 (Mixed broadleaves)	Height (m): 10 20 stems, avg.(mm): 100 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Group set back 1.5m back from verge. Woodland character, trees range young-early mature.	B2 RPA Area: 5602 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G246	Leyland cypress (X Cuprocyparis leylandii) Pedunculate oak (Quercus robur) Silver birch (Betula pendula)	Height (m): 11 3 stems, avg.(mm): 300 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Third party owned group, set back 4+m from edge of road. Group continues away from road.	B2 RPA Area: 298 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G247	Common hawthorn x2 (Crataegus monogyna) Common ash (Fraxinus excelsior) Leyland cypress (X Cuprocyparis leylandii)	Height (m): 10 4 stems, avg.(mm): 200 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Third party owned group, set back 2m from hedge. Group continues away from road in linear form.	C2 RPA Area: 210 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G248	Leyland cypress (X Cuprocyparis leylandii)	Height (m): 4 Stem Diam(mm): 150 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 0 Life Stage: Mature Rem. Contrib.: 20+ Years	Third party boundary managed, screening/privacy hedge.	B2 RPA Radius: 1.8m. Area: 387 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
G251	Common holly x20 (Ilex aquifolium) English yew x5 (Taxus baccata)	Height (m): 15 25 stems, avg.(mm): 250# Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Third party owned group behind stone boundary wall.	B2 RPA Area: 1188 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G275	Mixed species (Mixed species)	Height (m): 13 Stem Diam(mm): 400 Spread (m): 4.5N, 4.5E, 4.5S, 4.5W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Mixed copse group of broadleaved and coniferous trees.	B2 RPA Area: 872 sq m.	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.
G281	Mixed species (Mixed species)	Height (m): 12 Stem Diam(mm): 200 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 1.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Mixed plantation of early mature native broadleaved trees.	C2 RPA Area: 3075 sq m.	Works in this area are addressed in a seperate Arboricultural Impact Assessment associated with a seperate planning application (planning reference: P/2022/1080).
G33	Scots pine x20 (Pinus sylvestris) Common ash x5 (Fraxinus excelsior) Sycamore x10 (Acer pseudoplatanus)	Height (m): 17 35 stems, avg.(mm): 250 Spread (m): 4.5N, 4.5E, 4.5S, 4.5W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Mixed group from edge of pavement. Provides screening of Kronospan complex.	B2 RPA Area: 8105 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G42	Leyland cypress x20 (X Cuprocyparis leylandii)	Height (m): 20 20 stems, avg.(mm): 300# Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	Linear row adjacent boundary hedge, on Kronospan land.	B2 RPA Area: 1061 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
G49	Silver birch x3 (Betula pendula) Wild cherry x2 (Prunus avium) Norway maple x2 (Acer platanoides)	Height (m): 12 7 stems, avg.(mm): 250 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Group of amenity trees in open green space.	B1,2 RPA Area: 304 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G52	Silver birch x2 (Betula pendula) Common hawthorn (Crataegus monogyna) Wild cherry x2 (Prunus avium)	Height (m): 12 5 stems, avg.(mm): 250 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Group of amenity trees in open green space.	B1,2 RPA Area: 357 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
G83	Lombardy poplar x2 (Populus nigra italica)	Height (m): 20 2 stems Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	2 x Lombardy Poplars.	NotRecorded RPA Area: 68 sq m.	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.
G90	Mixed species (Mixed species)	Height (m): 16 Stem Diam(mm): 600 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	High level survey of group, for context. Front/largest trees recorded as individuals to provide RPA parameters. Mostly Oak, Ash, Poplar.	B2 RPA Area: 1899 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
G98	Mixed species (Mixed species)	Height (m): 12 Stem Diam(mm): 250 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 2.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Embankment group, early mature. Mostly broadleaved native mix, with occasional Scots Pine. Continues south.	B2 RPA Area: 4227 sq m.	Pre construction: No action required. During construction: No action required. HDD will be below the rooting envioronment. Post construction: No action required.
H03	Mixed species (Mixed species)	Height (m): 2 Stem Diam(mm): 100 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 0	Native hedgerow in Good overall Physiological and Structural condition.	NotRecorded RPA Radius: 1.2m. Area: 303 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H04	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Life Stage: Mature	Amenity boundary hedge in Fair overall Physiological and Structural condition.	NotRecorded RPA Radius: 0.6m. Area: 25 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H118	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0 Life Stage: Early Mature	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 719 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H12	Mixed species (Mixed species)	Height (m): 2 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge.	NotRecorded RPA Radius: 1.0m. Area: 30 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H120	Mixed species (Mixed species)	Height (m): 2 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 744 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H13	Leyland cypress (X Cuprocyparis leylandii)	Height (m): 2.5 Stem Diam(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge.	NotRecorded RPA Radius: 1.2m. Area: 54 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H131	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 70 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow with occasional breaks for field access gateways.	NotRecorded RPA Radius: 0.8m. Area: 483 sq m.	Pre construction: A section of the hedge may need to be removed depending on final cable alignment and installation method. This will be confirmed on site before installation. During construction: No action required. Post construction: Hedge section to be replanted.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H134	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 378 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H135	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 545 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H137	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 315 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H138	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0.5	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 328 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H139	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 319 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H14	Mixed species (Mixed species)	Height (m): 2.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge.	NotRecorded RPA Radius: 0.6m. Area: 9 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H141	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 297 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H143	Mixed species (Mixed species)	Height (m): 1 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 218 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H145	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.6m. Area: 25 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H146	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0.5	Native managed boundary hedgerow. Gappy in places.	NotRecorded RPA Radius: 0.6m. Area: 307 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H147	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.6m. Area: 98 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H148	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 207 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H15	Mixed species (Mixed species)	Height (m): 2.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge.	NotRecorded RPA Radius: 0.6m. Area: 9 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H152	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 70 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.8m. Area: 456 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H154	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 43 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H155	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 70 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.8m. Area: 11 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H156	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 161 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H157	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 70 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.8m. Area: 11 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H158	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 60 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.7m. Area: 480 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H159	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.6m. Area: 388 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H16	Mixed species (Mixed species)	Height (m): 2.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge.	NotRecorded RPA Radius: 0.6m. Area: 16 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H166	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.6m. Area: 161 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H167	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.6m. Area: 226 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H17	Mixed species (Mixed species)	Height (m): 2.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge.	NotRecorded RPA Radius: 0.6m. Area: 10 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H172	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 60 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0.5	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.7m. Area: 250 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H174	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 60 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow. Gappy in places.	NotRecorded RPA Radius: 0.7m. Area: 167 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H179	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 70 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0.5	Native managed boundary hedgerow. Gappy in places.	NotRecorded RPA Radius: 0.8m. Area: 354 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H183	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0.5	Native managed boundary hedgerow, with sections of neglected hedgerow.	NotRecorded RPA Radius: 1.2m. Area: 296 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H186	Common holly x2 (Ilex aquifolium) Common hawthorn x5 (Crataegus monogyna) Field maple x3 (Acer campestre)	Height (m): 8 10 stems, avg.(mm): 150 Spread (m): 1.5N, 1.5E, 1.5S, 1.5W Crown Clearance (m): 2	Neglected hedgerow section.	NotRecorded RPA Radius: 1.8m. Area: 169 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H194	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.6m. Area: 237 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H195	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.6m. Area: 367 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H196	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.6m. Area: 67 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H198	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 240 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H199	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 60 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.7m. Area: 149 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H20	Mixed species (Mixed species)	Height (m): 1 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge.	NotRecorded RPA Radius: 0.6m. Area: 25 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H204	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 70 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.8m. Area: 339 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H206	Mixed species (Mixed species)	Height (m): 2 Stem Diam(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0.5	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.2m. Area: 89 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H207	Leyland cypress (X Cuprocyparis leylandii)	Height (m): 2 Stem Diam(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party owned amenity/boundary hedge.	NotRecorded RPA Radius: 1.2m. Area: 70 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H208	Laurel cherry (Prunus laurocerasus)	Height (m): 1.5 Stem Diam(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party owned amenity/boundary hedge.	NotRecorded RPA Radius: 1.2m. Area: 42 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H209	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party owned amenity/boundary hedge.	NotRecorded RPA Radius: 0.6m. Area: 18 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H210	Leyland cypress (X Cuprocyparis leylandii)	Height (m): 2 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party owned amenity/boundary hedge.	NotRecorded RPA Radius: 0.6m. Area: 6 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H211	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 48 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H212	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow. Ditch and 2.5m verge between road and hedge.	NotRecorded RPA Radius: 1.0m. Area: 143 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H213	Mixed species (Mixed species)	Height (m): 3.5 Stem Diam(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native unmanaged boundary hedgerow, with occasional small/semi mature tree.	NotRecorded RPA Radius: 1.2m. Area: 141 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H221	Mixed species (Mixed species)	Height (m): 2 Stem Diam(mm): 80 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 86 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H223	Mixed species (Mixed species)	Height (m): 2 Stem Diam(mm): 70 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	McDonald's boundary hedge.	NotRecorded RPA Radius: 0.8m. Area: 180 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H224	Mixed species (Mixed species)	Height (m): 2 Stem Diam(mm): 80 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 122 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H230	Mixed species (Mixed species)	Height (m): 1 Stem Diam(mm): 30 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0.5	Section of mixed boundary hedge.	NotRecorded RPA Radius: 0.4m. Area: 29 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H237	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 40 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.5m. Area: 63 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H240	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 60 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.7m. Area: 413 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H241	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 70 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.8m. Area: 323 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H245	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 60 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.7m. Area: 61 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H249	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 60 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.7m. Area: 127 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H253	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 338 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H254	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 60 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.7m. Area: 100 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H255	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 60 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.7m. Area: 100 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H26	Mixed species (Mixed species)	Height (m): 1 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge.	NotRecorded RPA Radius: 0.6m. Area: 19 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H27	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge.	NotRecorded RPA Radius: 1.0m. Area: 17 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H274	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 60 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 0.7m. Area: 120 sq m.	Pre construction: No action required. During construction: A section of the hedge is likely to require removal to facilitatre the cable route. This will be confirmed following set out and a site meeting. Post construction: Hedge section to be replanted.
H278	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0.5	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 72 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H279	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 61 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H280	Mixed species (Mixed species)	Height (m): 2 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedge.	NotRecorded RPA Radius: 1.0m. Area: 352 sq m.	Works in this area are addressed in a seperate Arboricultural Impact Assessment associated with a seperate planning application (planning reference: P/2022/1080).
H282	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 141 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H283	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Native managed boundary hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 134 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H32	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 70 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Maintained native boundary hedgerow, immediately adjacent the curb.	NotRecorded RPA Radius: 0.8m. Area: 391 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H40	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 60 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge.	NotRecorded RPA Radius: 0.7m. Area: 181 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H41	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Kronospan boundary hedge.	NotRecorded RPA Radius: 0.6m. Area: 269 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H47	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge.	NotRecorded RPA Radius: 1.2m. Area: 30 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H54	Mixed species (Mixed species)	Height (m): 0.5 Stem Diam(mm): 100 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge. Cut to 0.5m	NotRecorded RPA Radius: 1.2m. Area: 60 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H55	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Maintained native boundary hedge.	NotRecorded RPA Radius: 1.0m. Area: 205 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H56	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Maintained thurd party boundary hedge.	NotRecorded RPA Radius: 0.6m. Area: 26 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H57	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Maintained thurd party boundary hedge.	NotRecorded RPA Radius: 0.6m. Area: 21 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H62	Privet (Ligustrum vulgare)	Height (m): 2 Stem Diam(mm): 40 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0.5	Third party Privet boundary hedge	NotRecorded RPA Radius: 0.5m. Area: 12 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H63	Privet (Ligustrum vulgare)	Height (m): 1.5 Stem Diam(mm): 40 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0.5	Third party Privet boundary hedge	NotRecorded RPA Radius: 0.5m. Area: 6 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H64	Privet (Ligustrum vulgare)	Height (m): 1.5 Stem Diam(mm): 40 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0.5	Third party Privet boundary hedge	NotRecorded RPA Radius: 0.5m. Area: 4 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H68	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge.	NotRecorded RPA Radius: 0.6m. Area: 37 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H72	Mixed species (Mixed species)	Height (m): 2 Stem Diam(mm): 50 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Third party boundary hedge.	NotRecorded RPA Radius: 0.6m. Area: 23 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H80	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 60 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Field boundary native hedgerow.	NotRecorded RPA Radius: 0.7m. Area: 100 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H91	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Field boundary native hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 279 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H95	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 80 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Field boundary native hedgerow.	NotRecorded RPA Radius: 1.0m. Area: 607 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
H97	Mixed species (Mixed species)	Height (m): 1.5 Stem Diam(mm): 70 Spread (m): 0.5N, 0.5E, 0.5S, 0.5W Crown Clearance (m): 0	Maintained native boundary hedgerow. Continues south.	NotRecorded RPA Radius: 0.8m. Area: 195 sq m.	Pre construction: No action required. During construction: No action required. HDD will be below the rooting envioronment. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
H99	Mixed species (Mixed species)	Height (m): 5 Stem Diam(mm): 90 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 0.5	Overgrown linear native hedgerow adjacent post and wire fence. Continues norh.	NotRecorded RPA Radius: 1.1m. Area: 349 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T01	Wild cherry (Prunus avium)	Height (m): 8 3 stems (mm): 220, 240, 340 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 2 Lowest Branch (m): 2.5(N) Life Stage: Mature Rem. Contrib.: 20+ Years	Good overall Physiological and Structural condition. Located 4m from edge of pavement.	B1,2 RPA Radius: 5.7m. Area: 102 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T02	Silver birch (Betula pendula)	Height (m): 8 3 stems, avg.(mm): 520 Spread (m): 6.5N, 6.5E, 6.5S, 6.5W Crown Clearance (m): 1.5 Lowest Branch (m): 2.5(SW) Life Stage: Mature Rem. Contrib.: 20+ Years	Good overall Physiological and Structural condition. Located 6m from edge of pavement.	B1,2 RPA Radius: 10.8m. Area: 323 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T05	Sycamore (Acer pseudoplatanus)	Height (m): 15 Stem Diam(mm): 230 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 3.5 Life Stage: Early Mature Rem. Contrib.: 10+ Years	Ivy clad multi stem tree set back 5m from curb, growing into boundary fence.	C1 RPA Radius: 2.8m. Area: 25 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T06	Norway maple (Acer platanoides)	Height (m): 14 Stem Diam(mm): 400# Spread (m): 6N, 7.5E, 6S, 4W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Located 8.5m from curb within Kronospan complex. Fair overall Physiological and Structural condition.	B1,2 RPA Radius: 4.8m. Area: 72 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T07	Norway maple (Acer platanoides)	Height (m): 15 Stem Diam(mm): 550# Spread (m): 5N, 6.5E, 7S, 8W Crown Clearance (m): 1.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Located 8m from curb with Kronospan complex. Fair overall Physiological and Structural condition.	B1,2 RPA Radius: 6.6m. Area: 137 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T09	Blue spruce (Picea pungens 'Glauca')	Height (m): 6 Stem Diam(mm): 100 Spread (m): 1.5N, 1.5E, 1.5S, 1.5W Crown Clearance (m): 0.5 Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Third party tree, growing 1m from edge of pavement.	C1 RPA Radius: 1.2m. Area: 5 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T102	Sycamore (Acer pseudoplatanus)	Height (m): 24 Stem Diam(mm): 900# Spread (m): 7N, 10E, 7S, 7W Crown Clearance (m): 5 Lowest Branch (m): 5.5(E) Life Stage: Mature Rem. Contrib.: 20+ Years	Good overall Physiological and Structural condition. Mature tree near edge of younger group.	A1 RPA Radius: 10.8m. Area: 366 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T106	Pedunculate oak (Quercus robur)	Height (m): 18 Stem Diam(mm): 1000# Spread (m): 7N, 7E, 8S, 7W Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	Mature Oak, one of two. Good overall Physiological and Structural condition with minor deadwood.	A1 RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T107	Pedunculate oak (Quercus robur)	Height (m): 18 Stem Diam(mm): 1000# Spread (m): 9N, 8E, 8S, 8W Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	Mature Oak, one of two. Good overall Physiological and Structural condition with minor deadwood.	A1 RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T109	Common ash (Fraxinus excelsior)	Height (m): 18 Stem Diam(mm): 700# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 3.5 Life Stage: Mature Rem. Contrib.: 10+ Years	Located 8m from curb. Some ivy cover and a broken branch. Fair overall Physiological and Structural condition.	B1 RPA Radius: 8.4m. Area: 222 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Partially protect tree with protective barriers - as shown on plans. Post construction: Depending on the results of the supervised excavation, a suitable mitigation strategy will be implemented if the tree is impacted (roots over 25mm severed or clumps of smaller roots removed to facilitate the excavation). Mitigation may include selective pruning, crown reduction, conditionb moinitoring or in the worst case scenario, remove the tree and replant.
T11	Silver birch (Betula pendula)	Height (m): 12 Stem Diam(mm): 280 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	Good overall Physiological and Structural condition, located in grass verge, 2m from edge of pavement.	B1 RPA Radius: 3.4m. Area: 36 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T110	Sycamore (Acer pseudoplatanus)	Height (m): 18 Stem Diam(mm): 550# Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 6 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 6m from curb. Some ivy cover. Good overall Physiological and Structural condition.	B1 RPA Radius: 6.6m. Area: 137 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T111	Sycamore (Acer pseudoplatanus)	Height (m): 20 Stem Diam(mm): 750# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 10 Life Stage: Mature Rem. Contrib.: 10+ Years	Located 7m from curb. Poor Physiological condition. Fair Structural condition.	C1 RPA Radius: 9.0m. Area: 254 sq m.	Pre construction: Tree removal may be required depending on final cable alignment and installation method. This will be confirmed on site before installation. During construction: Depends on outcome of final alignment. a) Supervise and monitor works if the btree can be retained. b) No supervision needed if the tree has been removed. Protect trees with protective barriers - as shown on plans. Post construction: Re-plant if the tree is to be removed. Planting scheme to be confirmed and approved before implementing.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T112	Sycamore (Acer pseudoplatanus)	Height (m): 20 Stem Diam(mm): 500 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Edge of group. Dimensions reflect the size of others in the group. Icy clad. 7m from edge of road.	B1,2 RPA Radius: 6.0m. Area: 113 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T116	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 750# Spread (m): 10N, 10E, 10S, 10W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 7m from edge of road, overhangs entire road, approximately 4m clearance. Edge of group. Good overall Physiological and Structural condition.	A1 RPA Radius: 9.0m. Area: 254 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T117	Common beech (Fagus sylvatica)	Height (m): 17 Stem Diam(mm): 700# Spread (m): 9N, 10E, 5S, 6W Crown Clearance (m): 4.5 Life Stage: Mature Rem. Contrib.: 20+ Years	7m from edge of road, overhangs road with 4.5m clearance. Good overall Physiological and Structural condition.	B1 RPA Radius: 8.4m. Area: 222 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T119	Hazel (Corylus avellana)	Height (m): 5 5 stems, avg.(mm): 80 Spread (m): 2N, 2E, 1S, 2W Crown Clearance (m): 2 Life Stage: Semi Mature Rem. Contrib.: <10 years	Coppiced and regrown, adjacent BT pole. Within hedge.	C1 RPA Radius: 2.1m. Area: 14 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T121	Sycamore (Acer pseudoplatanus)	Height (m): 17 2 stems (mm): 500, 500 Spread (m): 4N, 8E, 4S, 4W Crown Clearance (m): 4.5 Life Stage: Mature Rem. Contrib.: 20+ Years	Located 4m from edge of road, behind stone boundary wall which is 2m from edge of road. Tree is on the edge of a group of similar size. Ivy clad stem, crown leaning east.	B1 RPA Radius: 8.5m. Area: 227 sq m.	Pre construction: No action required. During construction: HDD below potential tree roots in this area. Supervsion and monitoring not considered neccessary. Post construction: No action required.
T122	Common beech (Fagus sylvatica)	Height (m): 23 Stem Diam(mm): 600# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 4.5 Life Stage: Mature Rem. Contrib.: 20+ Years	Located 3.5m from edge of road, behind stone boundary wall which is 2m from edge of road. Tree is within group of similar size. Ivy clad stem.	B1 RPA Radius: 7.2m. Area: 163 sq m.	Pre construction: No action required. During construction: HDD below potential tree roots in this area. Supervsion and monitoring not considered neccessary. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T123	Sycamore (Acer pseudoplatanus)	Height (m): 25 2 stems (mm): 550#, 450 Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 20+ Years	Located 3.5m from edge of road, behind stone boundary wall which is 2m from edge of road. Tree is within group of similar size. Ivy clad stems.	B1 RPA Radius: 8.5m. Area: 227 sq m.	Pre construction: No action required. During construction: HDD below potential tree roots in this area. Supervsion and monitoring not considered neccessary. Post construction: No action required.
T124	Sycamore (Acer pseudoplatanus)	Height (m): 25 2 stems, avg.(mm): 460 Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 4.5 Life Stage: Mature Rem. Contrib.: 20+ Years	Located 3.5m from edge of road, behind stone boundary wall which is 2m from edge of road. Tree is within group of similar size. Ivy clad stem.	B1 RPA Radius: 7.8m. Area: 191 sq m.	Pre construction: No action required. During construction: HDD below potential tree roots in this area. Supervsion and monitoring not considered neccessary. Post construction: No action required.
T126	Sycamore (Acer pseudoplatanus)	Height (m): 25 Stem Diam(mm): 1000# Spread (m): 9N, 9E, 9S, 9W Crown Clearance (m): 8 Life Stage: Mature Rem. Contrib.: 20+ Years	Located 6m from edge of road, behind stone boundary wall which is 2m from edge of road. Tree is within group of similar size. Ivy clad stem.	B1 RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: HDD below potential tree roots in this area. Supervsion and monitoring not considered neccessary. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T127	Pedunculate oak (Quercus robur)	Height (m): 13 Stem Diam(mm): 500# Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Located 6m from edge of road, behind stone boundary wall which is 1m from edge of road. Good Physiological and Structural condition.	B1 RPA Radius: 6.0m. Area: 113 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T128	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 650# Spread (m): 6N, 6E, 8S, 8W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Located 2m from edge of road, behind stone boundary wall which is 1m from edge of road. Good Physiological and Structural condition. Minor stem lean SW.	B1 RPA Radius: 7.8m. Area: 191 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T129	Sycamore (Acer pseudoplatanus)	Height (m): 14 Stem Diam(mm): 400# Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Located 4m from edge of road, behind stone boundary wall which is 1m from edge of road. Fair Physiological and Structural condition. Epicormic shoots at base.	B1 RPA Radius: 4.8m. Area: 72 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T130	Grey poplar (Populus x canescens)	Height (m): 25 Stem Diam(mm): 1000# Spread (m): 9N, 9E, 9S, 9W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 3mm from edge of road, behind stone boundary wall which is 2m from edge of road. Good Physiological and fair Structural condition. Broken branch adjacent road. Several older broken branches through crown.	B1 RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T132	Common holly (Ilex aquifolium)	Height (m): 7 Stem Diam(mm): 350# Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	Located field side of hedgerow. Fair overall Physiological and Structural condition.	C1 RPA Radius: 4.2m. Area: 55 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T133	Pedunculate oak (Quercus robur)	Height (m): 18 Stem Diam(mm): 1000# Spread (m): 7N, 7E, 7S, 9W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 40+ Years	Located in hedgerow. Some major deadwood on south aspect of the crown. Ivy clad. High habitat value.	B1 RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T136	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 650# Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 40+ Years	In hedgerow, on raised verge. Lower crown branches are 4.5m above road.	B1 RPA Radius: 7.8m. Area: 191 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T142	Sycamore (Acer pseudoplatanus)	Height (m): 6 2 stems (mm): 120, 200 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 2.5 Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Establishing tree in hedge. Left as individual due to flail access restricted due to adjacent street sign.	C1 RPA Radius: 2.8m. Area: 25 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T144	Sycamore (Acer pseudoplatanus)	Height (m): 6 2 stems, avg.(mm): 200 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 2.5 Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Establishing self set tree.	C1 RPA Radius: 3.4m. Area: 36 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T149	Scots pine (Pinus sylvestris)	Height (m): 15 Stem Diam(mm): 350 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	Located immediately behind hedge.	B1 RPA Radius: 4.2m. Area: 55 sq m.	Pre construction: No action required. During construction: No action required. HDD will drill below potential tree roots. Post construction: No action required.
T150	Pedunculate oak (Quercus robur)	Height (m): 18 Stem Diam(mm): 800 Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located on bank, 2.5m from hedge. Good overall Physiological and Structural condition.	A1 RPA Radius: 9.6m. Area: 290 sq m.	Pre construction: No action required. During construction: No action required. HDD will drill below potential tree roots. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T151	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 500# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 7 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Located 4m from edge of road, on bank.	B1 RPA Radius: 6.0m. Area: 113 sq m.	Pre construction: No action required. During construction: No action required. HDD will drill below potential tree roots. Post construction: No action required.
T160	Common holly (Ilex aquifolium)	Height (m): 10 4 stems (mm): 200#, 200, 200, 200 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 10+ Years	Located in hedgerow.	C1 RPA Radius: 4.8m. Area: 72 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T161	Pedunculate oak (Quercus robur)	Height (m): 17 Stem Diam(mm): 1500# Spread (m): 10N, 10E, 10S, 10W Crown Clearance (m): 5 Life Stage: Veteran Rem. Contrib.: 20+ Years	Leaning east, hollowing at base. Major deadwood. High habitat value.	A1 RPA Radius: 22.5m. Area: 1590 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T162	Common hawthorn (Crataegus monogyna)	Height (m): 5 Stem Diam(mm): 150 Spread (m): 1.5N, 1.5E, 1.5S, 1.5W Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Located in hedgerow.	C1 RPA Radius: 1.8m. Area: 10 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T163	Pedunculate oak (Quercus robur)	Height (m): 14 Stem Diam(mm): 950# Spread (m): 6N, 8E, 8S, 8W Crown Clearance (m): 6 Life Stage: Veteran Rem. Contrib.: 40+ Years	Hollowing suspected, extensive cavity in first oder scaffold branch. Major deadwood. High habitat value.	A1 RPA Radius: 14.3m. Area: 642 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T164	Pedunculate oak (Quercus robur)	Height (m): 17 Stem Diam(mm): 700 Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 4.5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located in hedgerow, Good overall Physiological and Structural condition.	B1 RPA Radius: 8.4m. Area: 222 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T165	Sycamore (Acer pseudoplatanus)	Height (m): 17 Stem Diam(mm): 650# Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located in hedgerow, with Holly near base. Ivy clad. Fair overall Physiological and Structural condition.	B1 RPA Radius: 7.8m. Area: 191 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T168	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1200# Spread (m): 10N, 10E, 10S, 10W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located track side of hedgerow. Ivy clad open grown tree in good overall Physiological and Structural condition.	A1 RPA Radius: 14.4m. Area: 651 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T170	Pedunculate oak (Quercus robur)	Height (m): 16 Stem Diam(mm): 1000# Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: <10 years	Poor overall Physiological condition. Fair Structural condition. Ivy clad, in hedgerow. High habitat value.	B1 RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T171	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1000# Spread (m): 10N, 10E, 10S, 10W Crown Clearance (m): 4.5 Life Stage: Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition.	A1 RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T173	Pedunculate oak (Quercus robur)	Height (m): 17 Stem Diam(mm): 800# Spread (m): 9N, 9E, 9S, 9W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 40+ Years	Located in field, Good overall Physiological and Structural condition. Some minor defects.	B1 RPA Radius: 9.6m. Area: 290 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T175	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1400 Spread (m): 10N, 10E, 10S, 10W Crown Clearance (m): 5 Life Stage: Over Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. High habitat value.	A1 RPA Radius: 15.0m. Area: 707 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T176	Pedunculate oak (Quercus robur)	Height (m): 17 Stem Diam(mm): 1000 Spread (m): 9N, 9E, 9S, 9W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located in hedgerow. Good overall Physiological and Structural condition. Some ivy cover.	A1 RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T177	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1200 Spread (m): 10N, 10E, 12S, 10W Crown Clearance (m): 5 Life Stage: Over Mature Rem. Contrib.: 40+ Years	Located in hedgerow. Good overall Physiological and Structural condition. High habitat value.	A1 RPA Radius: 14.4m. Area: 651 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T18	Wild cherry (Prunus avium)	Height (m): 16 Stem Diam(mm): 730 Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	Ivy clad tree, located 6m from edge of pavement.	B1 RPA Radius: 8.8m. Area: 245 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T180	Pedunculate oak (Quercus robur)	Height (m): 15 Stem Diam(mm): 650 Spread (m): 9N, 9E, 9S, 9W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Located on bank in field, 5m from boundary fence.	B1 RPA Radius: 7.8m. Area: 191 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T184	Field maple (Acer campestre)	Height (m): 9 3 stems (mm): 300#, 250, 300 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	Located in hedgerow. Previously coppiced and regrown.	B1 RPA Radius: 5.9m. Area: 109 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T185	Common hawthorn (Crataegus monogyna)	Height (m): 7 2 stems (mm): 350, 200 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 2.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Located in fenceline on top of verge.	B1,2 RPA Radius: 4.8m. Area: 72 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T187	Pedunculate oak (Quercus robur)	Height (m): 14 Stem Diam(mm): 700# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Located 4.5m from fenceline on bank in field.	B1 RPA Radius: 8.4m. Area: 222 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T188	Pedunculate oak (Quercus robur)	Height (m): 14 Stem Diam(mm): 700# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Located on top of verge.	B1 RPA Radius: 8.4m. Area: 222 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T19	Wild cherry (Prunus avium)	Height (m): 13 2 stems (mm): 300, 320 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 10+ Years	Growing into OHL. Decay in one stem, ivy clad. Located 5m from edge of pavement.	C1 RPA Radius: 5.3m. Area: 88 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T190	Sycamore (Acer pseudoplatanus)	Height (m): 18 Stem Diam(mm): 1100# Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	Located 4m from fenceline. Fair overall Physiological and Structural condition.	B1 RPA Radius: 13.2m. Area: 547 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T193	Sycamore (Acer pseudoplatanus)	Height (m): 20 Stem Diam(mm): 1300# Spread (m): 10N, 10E, 10S, 10W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 10+ Years	Located in fenceline. Dieback in upper crown. Epicormic growth along stem. Potential partially hollowed stem.	C1 RPA Radius: 15.0m. Area: 707 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T197	Common holly (Ilex aquifolium)	Height (m): 9 Stem Diam(mm): 250# Spread (m): 1.5N, 1.5E, 1.5S, 1.5W Crown Clearance (m): 2.5 Life Stage: Mature Rem. Contrib.: 10+ Years	Located in hedgerow. Poor overall Physiological and Structural condition.	C1 RPA Radius: 3.0m. Area: 28 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T200	Common hawthorn (Crataegus monogyna)	Height (m): 5 Stem Diam(mm): 120 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 10+ Years	Growing around BT pole. Part of hedgerow.	C1 RPA Radius: 1.4m. Area: 6 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T201	Pedunculate oak (Quercus robur)	Height (m): 17 Stem Diam(mm): 650# Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Located in field, approximately 15m from the hedge. Dieback in upper crown.	B1 RPA Radius: 7.8m. Area: 191 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T202	Wild cherry (Prunus avium)	Height (m): 12 Stem Diam(mm): 450# Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	Located adjacent the cattle grid at the entrance of Halton Farm.	B1 RPA Radius: 5.4m. Area: 92 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T203	Common hawthorn (Crataegus monogyna)	Height (m): 6 Stem Diam(mm): 200# Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 20+ Years	In hedgerow ivy clad, overhangs road by 2m.	C1 RPA Radius: 2.4m. Area: 18 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T21	Silver birch (Betula pendula)	Height (m): 11 Stem Diam(mm): 500 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Amenity tree on green area, located 7m from edge of pavement.	B1 RPA Radius: 6.0m. Area: 113 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T216	Sycamore (Acer pseudoplatanus)	Height (m): 7 Stem Diam(mm): 260 Spread (m): 4N, 2.5E, 4S, 4W Crown Clearance (m): 0.5 Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Located on edge of verge, 3m from curb.	C1 RPA Radius: 3.1m. Area: 30 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T217	Sycamore (Acer pseudoplatanus)	Height (m): 8 2 stems (mm): 270, 210 Spread (m): 4.5N, 4.5E, 4.5S, 4.5W Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 20+ Years	6.5m from curb, on verge.	B1 RPA Radius: 4.1m. Area: 53 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T218	Common ash (Fraxinus excelsior)	Height (m): 7 Stem Diam(mm): 140 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2.5 Life Stage: Semi Mature Rem. Contrib.: 10+ Years	0.5m from hedge group, 8m from curb.	C1 RPA Radius: 1.7m. Area: 9 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T219	Goat willow (Salix caprea)	Height (m): 5 10 stems, avg.(mm): 30 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 0.5 Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Multi stem tree adjacent hedge group. 7m from curb.	C1 RPA Radius: 1.1m. Area: 4 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T22	Hornbeam 'Fastigiata' (Carpinus betulus 'Fastigiata')	Height (m): 6 Stem Diam(mm): 90 Spread (m): 1.5N, 1.5E, 1.5S, 1.5W Crown Clearance (m): 2 Life Stage: Semi Mature Rem. Contrib.: 40+ Years	Established amenity tree on green, located 4m from edge of pavement.	C1 RPA Radius: 1.1m. Area: 4 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T220	Common ash (Fraxinus excelsior)	Height (m): 9 Stem Diam(mm): 290 Spread (m): 4.5N, 4.5E, 4.5S, 4.5W Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 10+ Years	3.5m from edge of curb. 2.5m from hedge. Fair overall Physiological and Structural condition.	C1 RPA Radius: 3.5m. Area: 38 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T227	Wild cherry (Prunus avium)	Height (m): 6 2 stems (mm): 110, 120 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2.5 Life Stage: Early Mature Rem. Contrib.: 10+ Years	Twin stem with compression fork developing. 3m from curb.	C1 RPA Radius: 2.0m. Area: 13 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T23	Cherry (Prunus sp. 'Cherry')	Height (m): 6 Stem Diam(mm): 100 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 3 Life Stage: Semi Mature Rem. Contrib.: 40+ Years	Established fastigiate amenity tree on green, located 4.5m from edge of pavement.	C1 RPA Radius: 1.2m. Area: 5 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T234	Common ash (Fraxinus excelsior)	Height (m): 13 Stem Diam(mm): 530 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: <10 years	Located in hedgerow, Ash dieback suspected, dense Ivy cover, set back 1m from edge of road. Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C1 RPA Radius: 6.4m. Area: 134 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T235	Common ash (Fraxinus excelsior)	Height (m): 8 2 stems (mm): 200#, 200 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 1.5 Life Stage: Semi Mature Rem. Contrib.: <10 years	Located in hedgerow. Dense ivy cover, set back 0.75m from edge of road. Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C1 RPA Radius: 3.4m. Area: 36 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T236	Wild cherry (Prunus avium)	Height (m): 15 Stem Diam(mm): 280# Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 7 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Group tree, near edge. Example specimen of others in group. Lower value as individual.	C1 RPA Radius: 3.4m. Area: 36 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T238	Pedunculate oak (Quercus robur)	Height (m): 15 Stem Diam(mm): 950# Spread (m): 6N, 8E, 6S, 6W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 40+ Years	Located in hedgerow. Ivy cover, some deadwood throughout the crown. High habitat value.	B1 RPA Radius: 11.4m. Area: 416 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T239	Pedunculate oak (Quercus robur)	Height (m): 15 Stem Diam(mm): 950# Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located in hedgerow. Ivy cover, some deadwood throughout the crown. High habitat value.	B1 RPA Radius: 11.4m. Area: 422 sq m.	During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T24	Wild cherry (Prunus avium)	Height (m): 13 Stem Diam(mm): 720 Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 2.5 Lowest Branch (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	Amenity tree in gren area. Located 7m from edge of pavement.	B1 RPA Radius: 8.6m. Area: 232 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T242	Pedunculate oak (Quercus robur)	Height (m): 7 Stem Diam(mm): 200# Spread (m): 4N, 2E, 4S, 4W Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Located in hedgerow, around BT pole. Ivy clad.	C1 RPA Radius: 2.4m. Area: 18 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T243	Pedunculate oak (Quercus robur)	Height (m): 15 Stem Diam(mm): 750# Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 20+ Years	Located in hedgerow. Ivy cover, some deadwood throughout the crown and minor defects.	B1 RPA Radius: 9.0m. Area: 267 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T244	Pedunculate oak (Quercus robur)	Height (m): 15 Stem Diam(mm): 750# Spread (m): 7.5N, 7.5E, 7.5S, 7.5W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 20+ Years	Located in hedgerow. Ivy cover, deadwood throughout the crown and upper dieback. Overhangs road.	B1 RPA Radius: 9.0m. Area: 267 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T25	Wild cherry (Prunus avium)	Height (m): 11 Stem Diam(mm): 560 Spread (m): 8N, 7E, 7S, 8W Crown Clearance (m): 2.5 Life Stage: Mature Rem. Contrib.: 20+ Years	Amenity tree in green space, located 11m from edge of pavement.	B1 RPA Radius: 6.7m. Area: 141 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T250	Pedunculate oak (Quercus robur)	Height (m): 18 Stem Diam(mm): 1000# Spread (m): 7.5N, 7.5E, 7.5S, 7.5W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Mature Oak, located 29m from fence line. Good overall Physiological and Structural condition.	A1 RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T252	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1000# Spread (m): 7.5N, 7.5E, 7.5S, 7.5W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located in third party garden. Good overall Physiological and Structural condition.	A1 RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T256	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1300# Spread (m): 7.5N, 7.5E, 7.5S, 7.5W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 5m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 15.0m. Area: 707 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T257	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1100# Spread (m): 7.5N, 7.5E, 7.5S, 7.5W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 4m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 13.2m. Area: 547 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T258	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1200# Spread (m): 8.5N, 8.5E, 8.5S, 8.5W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 4.5m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 14.4m. Area: 651 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T259	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 750# Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 5m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 9.0m. Area: 254 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T260	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1000# Spread (m): 8N, 7E, 7S, 7W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 5m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T261	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1300# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 4m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 15.0m. Area: 707 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T262	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1000# Spread (m): 10N, 10E, 10S, 10W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 4m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T263	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1500# Spread (m): 10N, 10E, 10S, 10W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 5m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 15.0m. Area: 707 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T264	Pedunculate oak (Quercus robur)	Height (m): 10 Stem Diam(mm): 1000# Spread (m): 0N, 0E, 0S, 0W Life Stage: Dead	Located immediately adjacent road. Monolith dead tree. No RPA required.	U RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: No action - dead monolith tree. Post construction: No action required.
T265	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1300# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 5m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 15.0m. Area: 707 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T266	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1200# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 6m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 14.4m. Area: 651 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T267	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 900# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 7m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 10.8m. Area: 366 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T268	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 950# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 6m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 11.4m. Area: 408 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T269	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1300# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 5m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 15.0m. Area: 707 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T270	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 900# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 6m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 10.8m. Area: 366 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T271	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 700# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 6m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 8.4m. Area: 222 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T272	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1000# Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 5 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 6m from the edge of the road. Forms part of an informal avenue. Good overall Physiological and Structural condition.	A1,2 RPA Radius: 12.0m. Area: 452 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T273	Sycamore (Acer pseudoplatanus)	Height (m): 13 Stem Diam(mm): 430 Spread (m): 5N, 1E, 5S, 5W Crown Clearance (m): 3.5 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Edge of group, within area bounded by hedge.	B1 RPA Radius: 5.2m. Area: 85 sq m.	Pre construction: Tree removal may be required depending on final cable alignment and installation method. This will be confirmed on site before installation. During construction: Depends on outcome of final alignment. a) Supervise and monitor works if the btree can be retained. b) No supervision needed if the tree has been removed. Protect trees with protective barriers - as shown on plans. Post construction: Re-plant if the tree is to be removed. Planting scheme to be confirmed and approved before implementing.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T276	Pedunculate oak (Quercus robur)	Height (m): 18 Stem Diam(mm): 700# Spread (m): 9N, 9E, 9S, 9W Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	Low spreading Oak on bank in grass field.	B1 RPA Radius: 8.4m. Area: 222 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T277	Pedunculate oak (Quercus robur)	Height (m): 18 Stem Diam(mm): 700# Spread (m): 9N, 9E, 9S, 9W Crown Clearance (m): 1 Life Stage: Mature Rem. Contrib.: 40+ Years	Low spreading Oak on shallow bank in grass field.	B1 RPA Radius: 8.4m. Area: 222 sq m.	
T28	Common beech (Fagus sylvatica)	Height (m): 16 Stem Diam(mm): 550# Spread (m): 4.5N, 4.5E, 4.5S, 4.5W Crown Clearance (m): 1.5 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Located in green space, 4m from edge of pavement. Forms part of a group. Further trees beyond, not recorded.	B1 RPA Radius: 6.6m. Area: 137 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T29	Wild cherry (Prunus avium)	Height (m): 13 Stem Diam(mm): 450# Spread (m): 4.5N, 4.5E, 4.5S, 5W Crown Clearance (m): 1.5 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Located in green space, 3m from edge of pavement. Forms part of a group. Further trees beyond, not recorded.	B1 RPA Radius: 5.4m. Area: 92 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T30	Rowan (Sorbus aucuparia)	Height (m): 5 Stem Diam(mm): 180 Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Crown Clearance (m): 2.5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Amenity tree in open green space, located 7m from edge of pavement.	C1 RPA Radius: 2.2m. Area: 15 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T31	Scots pine (Pinus sylvestris)	Height (m): 9 Stem Diam(mm): 360 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Amenity tree in open green space, located 7m from edge of pavement.	B1 RPA Radius: 4.3m. Area: 58 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T34	Scots pine (Pinus sylvestris)	Height (m): 13 Stem Diam(mm): 290 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	Ivy clad tree, located on corner of group. Tree adjacent to this one gas very recently been felled.	B1 RPA Radius: 3.5m. Area: 38 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T35	Common lime (Tilia x vulgaris)	Height (m): 12 Stem Diam(mm): 440 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Last tree of entrance avenue of Lime trees. Located 14m from junction.	B1 RPA Radius: 5.3m. Area: 88 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T36	Common lime (Tilia x vulgaris)	Height (m): 12 Stem Diam(mm): 340 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Last tree of entrance avenue of Lime trees. Located 14m from junction.	B1 RPA Radius: 4.1m. Area: 53 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T37	Sycamore (Acer pseudoplatanus)	Height (m): 15 Stem Diam(mm): 480# Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Third party tree, located 3.5m from edge of pavement.	B1 RPA Radius: 5.8m. Area: 106 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T38	Horse chestnut (Aesculus hippocastanum)	Height (m): 13 Stem Diam(mm): 900 Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Third party tree, located 6m from edge of pavement.	B1 RPA Radius: 10.8m. Area: 369 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T39	Common beech (Fagus sylvatica)	Height (m): 13 Stem Diam(mm): 1200 Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Third party tree, located 6m from edge of pavement.	A1 RPA Radius: 14.4m. Area: 584 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T43	Wild cherry (Prunus avium)	Height (m): 9 Stem Diam(mm): 400# Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	Located immediately behind hedgerow on Kronospan land.	B1 RPA Radius: 4.8m. Area: 72 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T44	Pedunculate oak (Quercus robur)	Height (m): 12 Stem Diam(mm): 300# Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 2 Life Stage: Early Mature Rem. Contrib.: 40+ Years	1m behind hedgerow.	B1 RPA Radius: 3.6m. Area: 41 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T45	Common ash (Fraxinus excelsior)	Height (m): 12 5 stems, avg.(mm): 250# Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 5 Life Stage: Early Mature Rem. Contrib.: 10+ Years	Multi stem tree in hedgerow. Previously coppiced and regrown.	C1 RPA Radius: 6.7m. Area: 143 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T46	Wild cherry (Prunus avium)	Height (m): 10 Stem Diam(mm): 510 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	Located on third party land, 7m from edge of pavement.	B1 RPA Radius: 6.1m. Area: 117 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T48	Silver birch (Betula pendula)	Height (m): 10 Stem Diam(mm): 330 Spread (m): 4.5N, 4.5E, 4.5S, 4.5W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	Located 5.5m from edge of pavement. Larger tree of a wider group of amenity trees on open green space.	B1,2 RPA Radius: 4.0m. Area: 50 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T50	Common ash (Fraxinus excelsior)	Height (m): 12 5 stems, avg.(mm): 250# Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 5 Life Stage: Early Mature Rem. Contrib.: 10+ Years	Multi stem tree in hedgerow. Previously coppiced and regrown. Dense ivy cover.	C1 RPA Radius: 6.7m. Area: 143 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T51	Field maple (Acer campestre)	Height (m): 8 Stem Diam(mm): 340 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 2.5 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Located 6.5m from edge of pavement. Average size tree of a wider group of amenity trees on open green space.	B1 RPA Radius: 4.1m. Area: 53 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T53	Common ash (Fraxinus excelsior)	Height (m): 8 25 stems, avg.(mm): 150# Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Crown Clearance (m): 2 Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Ivy clad tree growing in hedgerow.	C1 RPA Radius: 9.0m. Area: 255 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T58	Pedunculate oak (Quercus robur)	Height (m): 14 Stem Diam(mm): 670 Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 3.5 Life Stage: Early Mature Rem. Contrib.: 40+ Years	6m from curb. Tree located in Park area.	B1,2 RPA Radius: 8.0m. Area: 201 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T59	Pedunculate oak (Quercus robur)	Height (m): 10 Stem Diam(mm): 760 Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	6m from curb. Tree located in Park area.	B1,2 RPA Radius: 9.1m. Area: 260 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T60	Pedunculate oak (Quercus robur)	Height (m): 13 Stem Diam(mm): 540 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 40+ Years	6m from curb. Tree located in Park area.	B1,2 RPA Radius: 6.5m. Area: 133 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T61	Wild cherry (Prunus avium)	Height (m): 13 Stem Diam(mm): 750 Spread (m): 4.5N, 4.5E, 4.5S, 4.5W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 10+ Years	Located 1.5m from edge of curb. Previously topped and regrown.	C1 RPA Radius: 9.0m. Area: 172 sq m.	Pre construction: No action required. During construction: No action required as roots are very unlikely to spread into the road, due to heavy compacted road make up, creating a root barrier. Post construction: No action required.
T65	Pedunculate oak (Quercus robur)	Height (m): 17 Stem Diam(mm): 850 Spread (m): 5.5N, 5.5E, 5.5S, 5.5W Crown Clearance (m): 8 Life Stage: Mature Rem. Contrib.: 20+ Years	Third party owner Oak.	B1 RPA Radius: 10.2m. Area: 330 sq m.	Pre construction: No action required. During construction: No action required as roots are very unlikely to spread into the road, due to heavy compacted road make up, creating a root barrier. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T66	Pedunculate oak (Quercus robur)	Height (m): 11 Stem Diam(mm): 2000# Spread (m): 6.5N, 6.5E, 6.5S, 6.5W Crown Clearance (m): 5 Life Stage: Veteran Rem. Contrib.: 40+ Years	Located 1m into residential garden. Veteran tree, previously pollarded with 5m of new shoots.	A1 RPA Radius: 30.0m. Area: 657 sq m.	Pre construction: No action required. During construction: No action required as roots are very unlikely to spread into the road, due to heavy compacted road make up, creating a root barrier. Post construction: No action required.
T67	Weeping willow (Salix babylonica)	Height (m): 14 Stem Diam(mm): 550# Spread (m): 6N, 6E, 6S, 2W Crown Clearance (m): 8 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Located 1m from brick boundary wall. Cut back from over pavement.	B1 RPA Radius: 6.6m. Area: 139 sq m.	Pre construction: No action required. During construction: No action required as roots are very unlikely to spread into the road, due to heavy compacted road make up, creating a root barrier. Post construction: No action required.
T69	Pedunculate oak (Quercus robur)	Height (m): 17 Stem Diam(mm): 1570 Spread (m): 12N, 12E, 12S, 12W Crown Clearance (m): 6 Life Stage: Over Mature Rem. Contrib.: 40+ Years	Located in open green space, 11m from the curb.	A1 RPA Radius: 15.0m. Area: 707 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T70	Pedunculate oak (Quercus robur)	Height (m): 17 Stem Diam(mm): 880 Spread (m): 5.5N, 5.5E, 5.5S, 7W Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 2.5m from curb. Some dieback in Upper crown.	B1 RPA Radius: 10.6m. Area: 510 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T71	Pedunculate oak (Quercus robur)	Height (m): 18 Stem Diam(mm): 690 Spread (m): 5.5N, 5.5E, 5.5S, 7W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 3m from curb. Fair overall Physiological and Structural condition.	B1 RPA Radius: 8.3m. Area: 220 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T73	Common ash (Fraxinus excelsior)	Height (m): 16 Stem Diam(mm): 950# Spread (m): 9N, 9E, 9S, 9W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: <10 years	Ash dieback suspected. (epicormic shoots). Small deadwood throughout the crown. Woodpecker holes in mid stem. High habitat value. Located immediately adjacent to the boundary hedge in a field.	C1 RPA Radius: 11.4m. Area: 408 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T75	Wild cherry (Prunus avium)	Height (m): 8 2 stems (mm): 240, 250 Spread (m): 4.5N, 4.5E, 4.5S, 4.5W Crown Clearance (m): 1.5 Life Stage: Early Mature Rem. Contrib.: 10+ Years	Individual tree on verge side of the post and rail boundary fence. Growing into BT OHL. 6m from curb.	C1 RPA Radius: 4.2m. Area: 55 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T76	Sycamore (Acer pseudoplatanus)	Height (m): 10 2 stems (mm): 240, 140 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 2.5 Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Located 1m from edge of road.	C1 RPA Radius: 3.3m. Area: 34 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T77	Sycamore (Acer pseudoplatanus)	Height (m): 10 Stem Diam(mm): 290 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 2.5 Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Located 1m from edge of road.	C1 RPA Radius: 3.5m. Area: 38 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T78	Sycamore (Acer pseudoplatanus)	Height (m): 20 Stem Diam(mm): 910 Spread (m): 10N, 10E, 10S, 10W Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 40+ Years	Located 2m from edge of road, on raised embankment. Crown spreads over tge road. Ivy clad tree.	B1 RPA Radius: 10.9m. Area: 373 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T79	Pedunculate oak (Quercus robur)	Height (m): 20 Stem Diam(mm): 1200# Spread (m): 9N, 9E, 9S, 9W Crown Clearance (m): 3 Life Stage: Over Mature Rem. Contrib.: 40+ Years	Late mature Oak in field. Measurements estimated from roadside.	A1 RPA Radius: 14.4m. Area: 651 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T82	Lombardy poplar (Populus nigra italica)	Height (m): 25 Stem Diam(mm): 760 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 4 Life Stage: Mature Rem. Contrib.: 20+ Years	Located 10m from edge of road, 2m into field (8m verge).	B1 RPA Radius: 9.1m. Area: 260 sq m.	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T84	Lombardy poplar (Populus nigra italica)	Height (m): 20 Stem Diam(mm): 330 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Located 9m from edge of road, 1m into field (8m verge).	B1 RPA Radius: 4.0m. Area: 50 sq m.	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.
T85	Pedunculate oak (Quercus robur)	Height (m): 14 Stem Diam(mm): 340 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Located 9m from edge of road, 1m into field (8m verge).	B1 RPA Radius: 4.1m. Area: 53 sq m.	Pre construction: No action required. During construction: Protect trees with protective barriers - as shown on plans. Post construction: No action required.
T86	Pedunculate oak (Quercus robur)	Height (m): 15 Stem Diam(mm): 820 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 3 Lowest Branch (m): 4(NE) Life Stage: Early Mature Rem. Contrib.: 40+ Years	Located 6m from edge of road, 1m into field (5m verge).	B1 RPA Radius: 9.8m. Area: 302 sq m.	Pre construction: No action required. During construction: Excavation/HDD inlet to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T87	Common ash (Fraxinus excelsior)	Height (m): 10 Stem Diam(mm): 750 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 3 Life Stage: Mature Rem. Contrib.: 20+ Years	Located 6m from edge of road, 3m from hedge.	B1 RPA Radius: 9.0m. Area: 254 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T88	Common ash (Fraxinus excelsior)	Height (m): 15 Stem Diam(mm): 450# Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 5 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Located 7m from edge of road, 5.5m from hedge.	C1 RPA Radius: 5.4m. Area: 92 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T89	Lombardy poplar (Populus nigra italica)	Height (m): 25 Stem Diam(mm): 600# Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 20+ Years	Located 7m from edge of road, 5.5m from hedge.	B1 RPA Radius: 7.2m. Area: 163 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
T92	Pedunculate oak (Quercus robur)	Height (m): 8 Stem Diam(mm): 240 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 1.5 Lowest Branch (m): 3 Life Stage: Semi Mature Rem. Contrib.: 40+ Years	Establishing Oak in hedgerow. Downgraded due to size.	C1 RPA Radius: 2.9m. Area: 26 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.
T93	Common ash (Fraxinus excelsior)	Height (m): 17 Stem Diam(mm): 950 Spread (m): 8N, 8E, 8S, 8W Crown Clearance (m): 7 Life Stage: Mature Rem. Contrib.: 20+ Years	Ivy clad mature tree in hedgerow.	B1 RPA Radius: 11.4m. Area: 408 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T94	Common ash (Fraxinus excelsior)	Height (m): 16 Stem Diam(mm): 950# Spread (m): 10N, 10E, 10S, 10W Crown Clearance (m): 3.5 Life Stage: Mature Rem. Contrib.: 10+ Years	Located 4m from edge of road, 1.5m past hedgerow. Sparse open crown, with small deadwood throughout the crown.	C1 RPA Radius: 11.4m. Area: 408 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
W74	Mixed species (Mixed species)	Height (m): 15 Stem Diam(mm): 400 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Broadleaved woodland area, ranging from semi-mature to the north, to mature to the south. Individual trees recorded along edge to provide RPA parameters.	B2 RPA Area: 12456 sq m.	Pre construction: No action required. During construction: Excavation to be monitored and supervised by the project Arboricultural Consultant. Post construction: Depending on the outcome of the monitoring and supervision works, management works or condition monitoring over a set period may be prescribed.
W81	Mixed species (Mixed species)	Height (m): 15 Stem Diam(mm): 250 Spread (m): 5N, 5E, 5S, 5W Life Stage: Early Mature Rem. Contrib.: 40+ Years	Broadleaved woodland group, semi-early mature.	B2 RPA Area: 12444 sq m.	Pre construction: No action required. During construction: No action required. Post construction: No action required.

Table 1 **Cascade chart for tree quality assessment**

Category and definition	Criteria (including subcategories where appropriate)			Identification on plan
Trees unsuitable for retention (see Note)				
Category U Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years	• Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) • Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline • Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality *NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7.*			See Table 2
	1 Mainly arboricultural qualities	**2 Mainly landscape qualities**	**3 Mainly cultural values, including conservation**	
Trees to be considered for retention				
Category A **Trees of high quality** with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	See Table 2
Category B **Trees of moderate quality** with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation or other cultural value	See Table 2
Category C **Trees of low quality** with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value	See Table 2

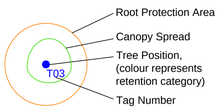
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Appendix B

Tree Constraints Plan

Plan showing constraints imposed on development layout by trees considered during the design process.

Symbol Guide



BS5837:2012 - Tree Category

- Category A Trees High Quality
- Category B Trees Moderate Quality
- Category C Trees Low Quality
- Category U Trees Poor Quality/ Remove

KEY

- Indicative Red Line Boundary

TREE 21
Tree Surveys & Consultancy Services

Project Name:	Kronospan Cable Routes
Drawing Title:	Tree Constraints Plan Sheet 1 of 13
Drawing Number:	250408-1.1-KCR-TCP-MH-01
Client:	Kronospan
Agent:	Axis
Date:	October 2025
Scale:	1:1000 @ A1

