



Arboricultural Impact Assessment

Client	Kronospan
Agent	AXIS
Site Address	Kronospan, Maesgwyn Farm, Wrexham LL14 5NT
Arboricultural Consultant	Mike Wood <i>Dip Arb. PTI, TechArbor A</i>
Local Authority	Wrexham County Borough Council (WCBC)
Proposal	Demolition of the existing reception building and the erection of a building to create a covered loading yard and ancillary works
Survey Date	21 st February 2022
Report Date	24 th February 2022
Report Reference	220224-1.0-AIA-CLYK-T21-MW

Executive Summary

- This report provides an assessment upon the impact of trees and a proposal to demolish the existing reception building and erect a new building to create a covered loading yard and ancillary works at the Kronospan factory in Chirk.
- None of the surveyed trees will require pruning or removing to facilitate the proposal. Tree protection measures have been set out to ensure the impact upon retained trees is as low as possible.
- A survey in accordance with BS5837:2012 was undertaken on 21st February 2022, to inform this assessment. The survey recorded a total of 20 individual trees which may be influenced by the proposal. The report was undertaken in accordance with BS5837:2012 *Trees in Relation to design, Demolition and Construction - Recommendations*.
- Nineteen trees have been recorded as category B and 1 tree (T01) has been recorded as category A.
- Tree protection will be installed around T02, T03, T04 and T05. The tree protection will then tie into the existing railing near T06. Trees on the adjacent side of the existing access/egress road, do not require protection as the road separates the work site from these trees.

Appendices

- Appendix A: Tree Schedule
- Appendix B: Tree Constraints Plan
- Appendix C: Tree Protection Plan

1.0 Qualifications and Experience

- 1.1** The survey and report has been prepared by Mike Wood *Dip Arb. TechArborA*, Principal Arboricultural Consultant of Tree 21 Limited. Mike Wood has 25 years' experience in arboriculture, with 15 years' experience in providing BS5837 surveys and reports and is a certified LANTRA Professional Tree Inspector, a registered Quantified Tree Risk Assessment (QTRA) user and a member of the Arboricultural Association.

2.0 Introduction

- 2.1** This report and appendices have been produced to assess the impact upon trees and the proposed demolition of the existing reception building and the erection of a building to create a covered loading yard and ancillary works at the Kronospan site in Chirk. The report provides information on trees which will need to be protected throughout the site preparation, demolition and construction stages of the proposal.
- 2.2** The survey was undertaken in accordance with BS5837:2012 Recommendations. A topographical survey base plan of the trees was used, in addition to a specialist tree survey programme on an android device.
- 2.3** The Tree Schedule at Appendix A provides all data and information on each tree record. The Tree Constraints Plan (TCP) at Appendix B illustrates the tree in the current context. The Protection Plan at Appendix C illustrates the proposed context, with tree protection barriers positioned along with measurements to aid installation. Text notes are also provided on the plan, which are reflected throughout this report. Both plans include 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 on 21st February 2022, further to instruction from the client. The resulting survey data was then used to produce a Tree Schedule (Appendix A), TCP (Appendix B) and TPRP (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 proposal and the treescape.

- 3.1.2 The report, and the accompanying information, is supplied to:

- Identify suitable protection measures during the construction of the proposal.
- Report on any tree removal or facilitation pruning works required.
- Provide a “Heads of Terms” Arboricultural Method Statement

3.2 Documents Provided to Tree 21 Limited

- Location Plan
- Topographical Survey Plan: 21110-P-1 reception area 2d
- Proposed Layout: 7000_665-A2

3.3 Limitations

- 3.3.1 This is a preliminary assessment 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 in order 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 survey 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 Site Visit and Tree Assessment Methodology

- 4.0.1 A site survey was undertaken, on February 21st, 2022. 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) number, tree species, height, number of stems, diameter, 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 structural 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 category.

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 Plan (Appendix C) provides the proposals, 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 Site Description and Context

- 5.1 The site occupies the existing visitor reception area and land between this building and an existing warehouse. Trees present are mainly *Tilia sp.*, planted to form an avenue character alongside the access/egress road. There are also 3 x *Prunus sp.* and 1 x veteran *Quercus robur*, on the adjacent side of the access/egress road with an estimated age of around 250 years old.

6 Proposals and Tree Impact

- 6.1 The proposal is to demolish the existing reception building and erect a new building to create a covered loading yard to further improve the Kronospan facility. Levels within the RPA of retained trees will remain unchanged.

7 Arboricultural Constraints

- 7.1 Constraints are presented in the Tree Schedule in Appendix A and the TCP in Appendix B. These constraints are also considered further below.
- 7.2 The TCP, (Appendix B) illustrates the RPA for the trees identified in the Tree Data Schedule (Appendix A). This represents the minimum area in m² which should ideally be left undisturbed around the 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.
- 7.3 The TPP (Appendix C), illustrates protective measures for retained trees.

8 Tree Protection

- 8.1 Tree protection barriers have been identified as a precaution to protect retained trees for this proposal where considered appropriate. This protection will prevent any damage within the Root Protection Areas (RPA) of retained trees. This will prevent potential damage such as soil compaction or contamination, or physical damage to above ground tree parts from machinery activity.
- 8.2 No activity at all, including the storage of materials or equipment will be undertaken within the fenced off areas and RPAs of retained trees. These areas will be known as Construction Exclusion Zones.
- 8.3 The tree protection will be installed before the demolition of the existing visitor reception building begins and maintained in good condition until completion of the development, removing only at the very last stage to facilitate final soft landscaping. Protective measures are set out on the Tree Protection Plan in Appendix C.

9 Underground Service Installation

- 9.1 No underground service plans have been provided. All proposed underground services should be planned outside of the RPA of retained trees. If this is not possible and installation or underground services are required within the RPA of retained trees, an Arboricultural Method Statement will be produced which will need to be reviewed and approved by the Local Authority Tree Officer before the works set out within the AMS are implemented.
- 9.2 Any alterations or plans to install underground services within RPAs of the tree should be discussed with the Arboricultural Consultant and suitable methodology, to be agreed with the WCBC Tree Officer and approved in writing before being implemented.

10 Final Soft Landscaping

- 10.1 There will be no changes of the soft surfaces within the RPAs of retained trees. This includes planting of trees or shrubs. If any alterations at all are required within the RPAs of retained trees, an Arboricultural Method Statement will be produced and provided to the Local Authority Tree Officer for approval before any of the associated works are implemented.

12 Arboricultural Method Statement Heads of Terms

- 12.1 In order to ensure any potential damage to retained trees are minimised, the following points will be followed.
- a. Tree Protection, as set out in the Tree Protection Plan at Appendix C, will be installed before any works associated with demolition or construction begins and maintained in good condition until all associated works are complete.
 - b. Machinery, storage of materials, welfare areas or any other storage or activity including access and egress haul routes to remove or deliver material will not occur within the Root Protection Area of any retained trees.
 - c. Any damage arising to any retained tree will initiate an inspection by an Arboricultural Consultant, who will provide appropriate management specifications, to be agreed with the WCBC Tree Officer before implementation.

Legislation and Guidance

Town & Country Planning Act 1990

Town & Country Planning (Trees) Regulations 1999

The Town & Country Planning (Tree Preservation) (England) Regulations 2012

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



Ref.	Species	Measurements	General Observations	Category	Recommendations
T01	Pedunculate Oak (<i>Quercus robur</i>)	Height (m): 14 Stem Diam (mm): 1300 Spread (m): 5N, 6E, 6S, 7W Crown Clearance (m): 2.5 Lowest Branch (m): 5(E) Life Stage: Veteran Rem. Contrib.: 40+ Years	Historic upper crown reduction, minor deadwood, cavity on North aspect from Historic large limb removal. Epicormics through crown.	A1 RPA Radius: 15.0m. Area: 707 sq m.	Pre construction: No action required. During construction: No action required.
T02	European Lime (<i>Tilia x europaea</i>)	Height (m): 13 Stem Diam (mm): 380 Spread (m): 6N, 6E, 6S, 6W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime.	B2 RPA Radius: 4.6m. Area: 66 sq m.	During construction: Protect trees with protective barriers - as shown on plans.
T03	European Lime (<i>Tilia x europaea</i>)	Height (m): 11 Stem Diam (mm): 270 Spread (m): 5N, 5E, 4.5S, 5W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime.	B2 RPA Radius: 3.2m. Area: 32 sq m.	During construction: Protect trees with protective barriers - as shown on plans.
T04	European Lime (<i>Tilia x europaea</i>)	Height (m): 11 Stem Diam (mm): 310 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime.	B2 RPA Radius: 3.7m. Area: 43 sq m.	During construction: Protect trees with protective barriers - as shown on plans.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T05	European Lime (Tilia x europaea)	Height (m): 8 Stem Diam (mm): 250 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 3 Lowest Branch (m): 2(W) Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime.	B2 RPA Radius: 3.0m. Area: 28 sq m.	During construction: Protect trees with protective barriers and tie into the existing railings- as shown on plans.
T06	European Lime (Tilia x europaea)	Height (m): 9 Stem Diam (mm): 240 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 3 Lowest Branch (m): 2(N) Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime.	B2 RPA Radius: 2.9m. Area: 26 sq m.	During construction: No action required. Existing railings in place which are suitable as tree protection.
T07	European Lime (Tilia x europaea)	Height (m): 10 Stem Diam (mm): 260 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 3 Lowest Branch (m): 3(S) Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime.	B2 RPA Radius: 3.1m. Area: 30 sq m.	During construction: No action required. Existing railings in place which are suitable as tree protection.
T08	European Lime (Tilia x europaea)	Height (m): 11 Stem Diam (mm): 270 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime.	B2 RPA Radius: 3.2m. Area: 32 sq m.	During construction: No action required. Existing railings in place which are suitable as tree protection.
T09	European Lime (Tilia x europaea)	Height (m): 11 Stem Diam (mm): 340 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 3 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Fair overall Physiological and Structural condition. Fork with included bark at 2.5m. Forms part of a wider avenue of Lime.	B2 RPA Radius: 4.1m. Area: 53 sq m.	During construction: No action required. Existing railings in place which are suitable as tree protection.
T10	European Lime (Tilia x europaea)	Height (m): 10 Stem Diam (mm): 300 Spread (m): 4N, 4E, 5S, 4W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime.	B2 RPA Radius: 3.6m. Area: 41 sq m.	Pre construction: No action required. During construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T11	European Lime (Tilia x europaea)	Height (m): 10 Stem Diam (mm): 340 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime.	B2 RPA Radius: 4.1m. Area: 53 sq m.	Pre construction: No action required. During construction: No action required.
T12	European Lime (Tilia x europaea)	Height (m): 10 Stem Diam (mm): 330 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 4 Lowest Branch (m): 2(N) Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime.	B2 RPA Radius: 4.0m. Area: 50 sq m.	Pre construction: No action required. During construction: No action required.
T13	European Lime (Tilia x europaea)	Height (m): 9.5 Stem Diam (mm): 320 Spread (m): 4.5N, 4.5E, 4.5S, 4.5W Crown Clearance (m): 4 Lowest Branch (m): 2(N) Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime.	B2 RPA Radius: 3.8m. Area: 45 sq m.	Pre construction: No action required. During construction: No action required.
T14	European Lime (Tilia x europaea)	Height (m): 9 Stem Diam (mm): 370 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 4 Lowest Branch (m): 2(S) Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime.	B2 RPA Radius: 4.4m. Area: 61 sq m.	Pre construction: No action required. During construction: No action required.
T15	European Lime (Tilia x europaea)	Height (m): 9 Stem Diam (mm): 380 Spread (m): 2.5N, 5E, 5S, 5W Crown Clearance (m): 4 Lowest Branch (m): 2(N) Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime. Pruned around lamp on North aspect.	B2 RPA Radius: 4.6m. Area: 66 sq m.	Pre construction: No action required. During construction: No action required.

Ref.	Species	Measurements	General Observations	Category	Recommendations
T16	European Lime (Tilia x europaea)	Height (m): 9 Stem Diam (mm): 260 Spread (m): 4.5N, 4.5E, 4.5S, 4.5W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime.	B2 RPA Radius: 3.1m. Area: 30 sq m.	Pre construction: No action required. During construction: No action required.
T17	European Lime (Tilia x europaea)	Height (m): 9 Stem Diam (mm): 270 Spread (m): 5N, 5E, 4S, 5W Crown Clearance (m): 4 Life Stage: Early Mature Rem. Contrib.: 40+ Years	Good overall Physiological and Structural condition. Forms part of a wider avenue of Lime. Recent minor pruning to south aspect.	B2 RPA Radius: 3.2m. Area: 32 sq m.	Pre construction: No action required. During construction: No action required.
T18	Wild Cherry (Prunus avium)	Height (m): 11 Stem Diam (mm): 310 Spread (m): 6N, 5E, 5S, 4W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	Part of group of 3 amenity trees.	B2 RPA Radius: 3.7m. Area: 43 sq m.	Pre construction: No action required. During construction: No action required.
T19	Wild Cherry (Prunus avium)	Height (m): 11 Stem Diam (mm): 410 Spread (m): 5N, 6E, 6S, 6W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	Part of group of 3 amenity trees.	B2 RPA Radius: 4.9m. Area: 75 sq m.	Pre construction: No action required. During construction: No action required.
T20	Wild Cherry (Prunus avium)	Height (m): 10 Stem Diam (mm): 360 Spread (m): 5N, 4E, 5S, 5W Crown Clearance (m): 2 Life Stage: Mature Rem. Contrib.: 20+ Years	Part of group of 3 amenity trees.	B2 RPA Radius: 4.3m. Area: 58 sq m.	Pre construction: No action required. During construction: No action required.

Table 1 Cascade chart for tree quality assessment

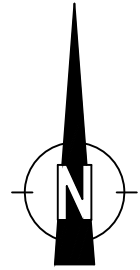
Category and definition	Criteria (including subcategories where appropriate)			Identification on plan
Trees unsuitable for retention (see Note)				
Category U Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 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 <i>NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7.</i>			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

Appendix B

Tree Constraints Plan Drawing Number:

220221-1.0-CLYK-TCP-AM

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



Symbol Guide

- Root Protection Area
- Canopy Spread
- Tree Position, (colour represents retention category)
- Tag Number

BS5837:2012 - Tree Category

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

Tree Protection & Removal

Proposed Tree Removal	Tree Protection Fencing
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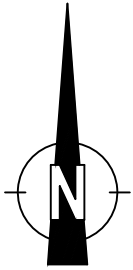
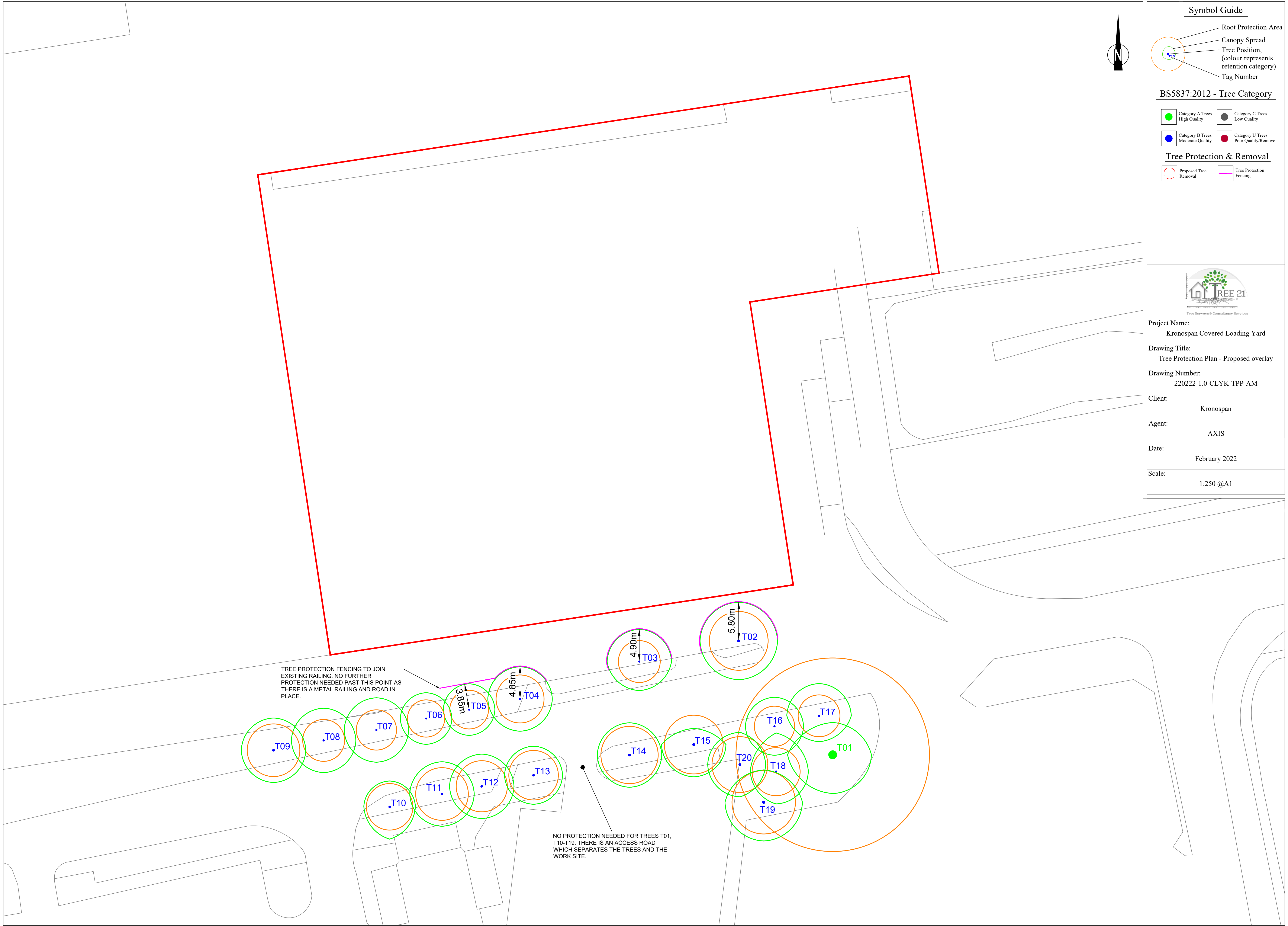
Project Name:	Kronospan Covered Loading Yard
Drawing Title:	Tree Constraints Plan
Drawing Number:	220222-1.0-CLYK-TCP-AM
Client:	Kronospan
Agent:	AXIS
Date:	February 2022
Scale:	1:250 @A1

Appendix C

Tree Protection Plan Drawing Number:

220221-1.0-CLYK-TPP-AM

Plan showing Trees Proposed for Removal and General Arrangement with Notes on Tree Protection.



Symbol Guide

- Root Protection Area
- Canopy Spread
- Tree Position, (colour represents retention category)
- Tag Number

BS5837:2012 - Tree Category

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

Tree Protection & Removal

Proposed Tree Removal	Tree Protection Fencing
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Project Name:	Kronospan Covered Loading Yard
Drawing Title:	Tree Protection Plan - Proposed overlay
Drawing Number:	220222-1.0-CLYK-TPP-AM
Client:	Kronospan
Agent:	AXIS
Date:	February 2022
Scale:	1:250 @A1

TREE PROTECTION FENCING TO JOIN
EXISTING RAILING. NO FURTHER
PROTECTION NEEDED PAST THIS POINT AS
THERE IS A METAL RAILING AND ROAD IN
PLACE.

NO PROTECTION NEEDED FOR TREES T01,
T10-T19. THERE IS AN ACCESS ROAD
WHICH SEPARATES THE TREES AND THE
WORK SITE.

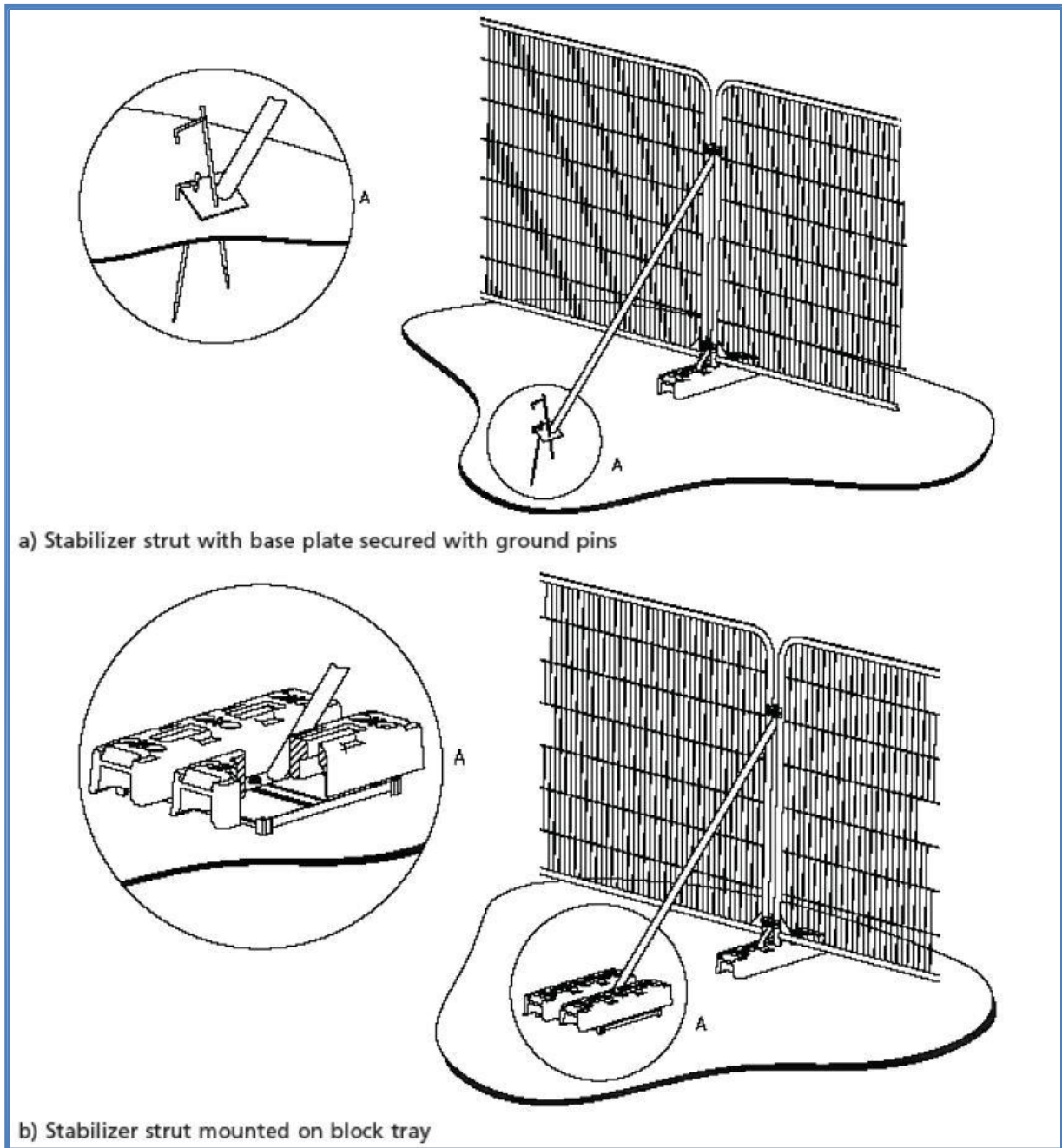
Appendix D

Tree Protection Measures

Illustrative information on proposed tree protection measures to be installed as set out on the Tree Protection Plan



Example Tree Protection Fencing Sign



BS5837: 2012 - Figure 3 – Examples of Above Ground Stabilisation Systems