



FLEET FACTORS
HUYTON
ARBORICULTURAL IMPACT ASSESSMENT
October 2021

TEP
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Birchwood Science Park
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Document Control

Document Title	Arboricultural Impact Assessment
Prepared for	Fleet Factors Limited
Prepared by	The Environment Partnership (TEP) Ltd
Document Ref.	9155.001
Date	October 2021
Author	Mark Levitt
Checked	Angus Blankenstein
Approved	Jonathan Smith

Amendment History					
Version	Date	Modified by	Approved by	Reason(s) for issue	Status
0.1	28/10/21	ML	AAB	Checking	Draft
1.0	29/10/21	ML	JGS	Approval	Issue

Arboricultural Impact Assessment

1.0 Scope

- 1.1. TEP has been commissioned by Fleet Factors Limited to conduct an arboricultural survey of land at Fleet Factors, Huyton and to make an assessment in accordance with BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations.
- 1.2. This report has been produced to support a planning application. It describes the findings of field and desktop surveys; the effects that granting planning permission would have on arboriculture; and measures that are and/or should be incorporated in the proposed development.
- 1.3. A judgement has been made in consideration of the survey findings, desktop search results and the nature of the proposed development that a full report style Arboricultural Impact Assessment (AIA) would not be proportionate. This document presents the content of an AIA in a condensed format, which is considered appropriate for relatively simple sites and/or development in relation to trees.

Survey
- 1.4. The survey was undertaken in October 2021 in accordance with BS 5837 by a qualified arboriculturist. The survey method is included at Appendix B.
- 1.5. A topographical survey was used to record the position of trees and vegetation (drawing reference: MBS-589-01). Where trees were not shown on the topographical survey, their locations were estimated.
- 1.6. Trees on private land outside the application boundary, and at inaccessible locations were surveyed insofar as was practicable. Whilst reasonable effort has been made to ensure the accuracy and comprehensiveness of such records, it cannot be guaranteed.

Limitation

- 1.7. This report relates to a specific development proposal and should not be interpreted as advice in any other circumstance.
- 1.8. This report constitutes a valid basis for the evaluation of impacts on trees resulting from the proposed development for a period not exceeding 2 years. After this, it would be necessary to review baseline data and conclusions to ensure reliability.
- 1.9. Where the recommendations of this report have been followed, any future deterioration in tree condition shall not be attributable to the development.

Arboricultural Impact Assessment

2.0 Baseline

2.1. This drawing presents an overview of the existing trees within influencing distance of the proposed development. It also summarises the results of desktop searches for any designations, legal and regulatory restrictions or special status of relevance to arboriculture.

Application Site

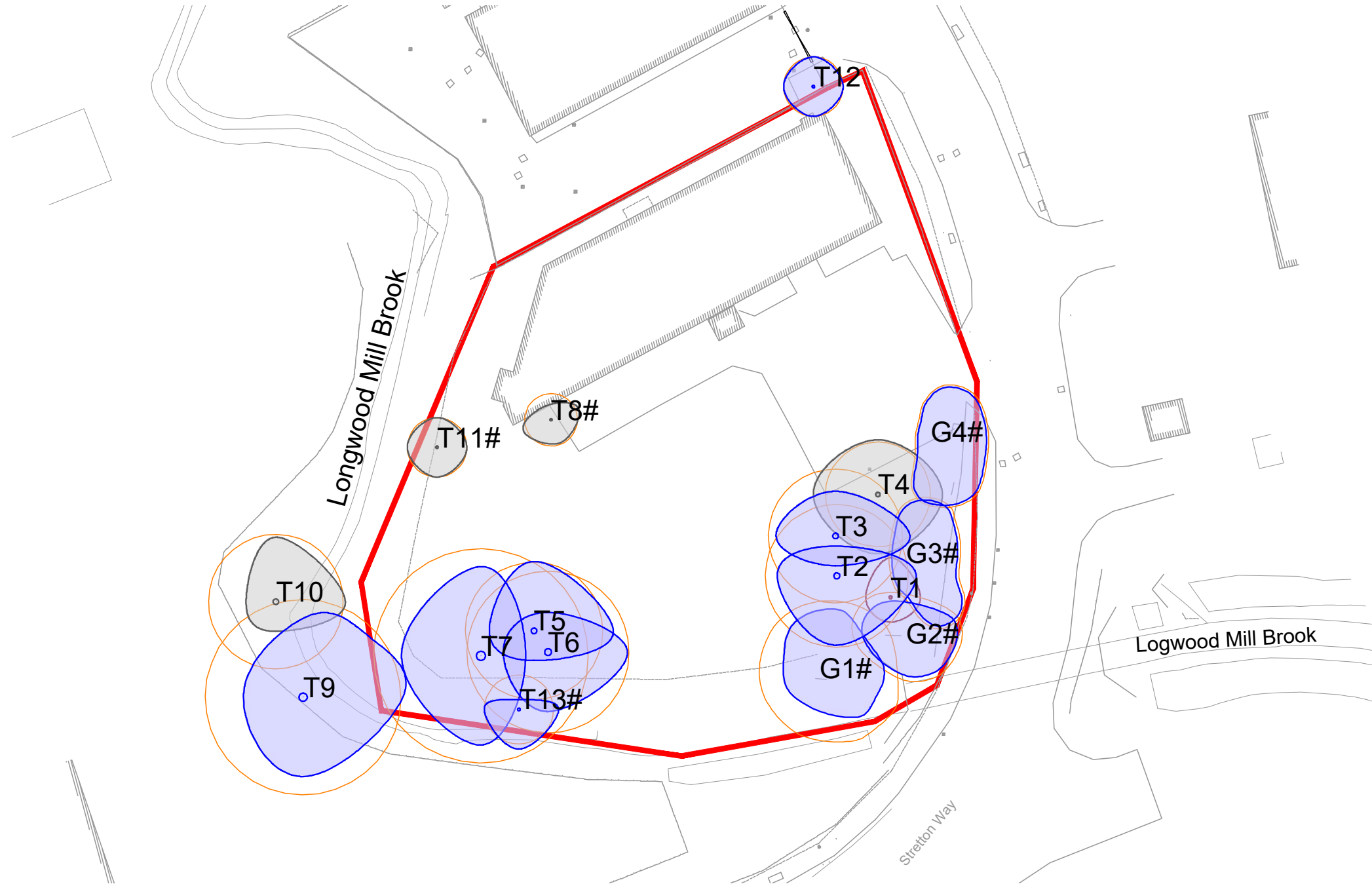
2.2. The site is situated between Logwood Mill Brook to the west and south and Stretton Way at the east. It comprises land belonging to Fleet Factors surrounding a warehouse and office unit located to the north.

Survey results

- 2.3. 12 individual trees and 4 groups of trees were recorded within influencing distance of the application site. These comprise small to medium sized amenity specimens, in fair to good condition, with one tree (T1) in poor condition.
- 2.4. There are 6 multi-stemmed goat willows - T2 to T7. Tree T7 is a mature specimen with the potential to develop veteran characteristics due to its age and current condition, with wounding and dead wood development at the base of some stems. It is not currently a veteran but it and the other goat willows provide good habitat value.
- 2.5. All trees provide amenity value, with groups G1 to G4 providing good screening and shelter to the site and along Stretton Way.
- 2.6. Tree T8 is a multi-stemmed elder growing adjacent the existing building and T11 is a small oak growing atop the brook banking. Both have limited amenity value but provide habitat and biodiversity value due to being established native species in reasonably good health. A bird's nest was noted within the canopy of T8.
- 2.7. Trees T9 and T10 are third party owned, rooted on the opposite side of the brook. Both trees provide good habitat value.
- 2.8. Trees have been categorised in accordance with BS 5837 to describe their arboricultural, landscape or cultural qualities: A (high quality), B (moderate quality) C (low quality) and U (unsuitable for retention). The categorisation of tree quality allows a weighting to be given to each tree within the context of proposed development but is not prescriptive. Hedgerows are not categorised.
- 2.9. A Root Protection Area (RPA) has been calculated in accordance with BS 5837. This is based on each tree's stem diameter at 1.5 metres and has been adjusted where necessary to most accurately represent the likely spread of roots in consideration of prevailing conditions. The RPA represents the minimum area around each tree that must be left undisturbed to ensure its survival.
- 2.10. Feature locations, their quality categories, canopy spreads and root protection areas are shown opposite. All arboricultural information recorded during the survey is presented at Appendix A.

Desktop Searches

- 2.11. Knowsley Council online mapping software confirmed that no trees on or adjacent to the site are protected by Tree Preservation Order or within a Conservation Area.
- 2.12. Natural England's Ancient Woodland Inventory (Provisional) for England contains no records for the site.
- 2.13. There are no veteran trees which could be affected by development of the site.
- 2.14. The site is within the Mersey Forest Community Forest.
- 2.15. There are no mapped Habitats of Principal Importance (Hedgerow, Deciduous Woodland, Wood Pasture and Parkland, and Traditional Orchard) on the site. Observations made during the site survey support this.
- 2.16. No assessment of the presence of protected species has been made during the production of this report. Features of possible interest that were observed incidentally during the tree survey are recorded in Appendix A.
- 2.17. Works to and around trees have the capacity to affect protected species, particularly including birds, bats, great crested newts, badgers, dormice, otters and water voles. Contractors should be familiar with the locations and sensitivities of any protected species that are present and take reasonable avoidance measures or comply with the requirements of any licence agreement in accordance with the advice of an ecologist.



KEY

[This drawing must be reproduced in colour]

- T1/G1 Trees
- Root Protection Area (RPA)
- Survey Boundary
- # Approximate location
(Feature not shown or only shown in part on supplied topographical survey)

Tree Quality Categorisation

(Based on BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations)

- Category A
(High quality)
- Category B
(Moderate quality)
- Category C
(Low quality)
- Category U
(Unsuitable for retention)

NOTE: This drawing should be read in conjunction with the respective Arboricultural Survey Data (Appendix A).



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Ordnance survey datum reference: MH: CL: REF:8605

Rev	Description	Drawn	Approved	Date
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Genesis Centre, Birchwood Science Park, Warrington WA3 7BH
Tel 01925 844004 e-mail tep@tep.uk.com www.tep.uk.com

Project
Fleet Factors, Huyton

Title
Arboricultural Impact Assessment [BASELINE]

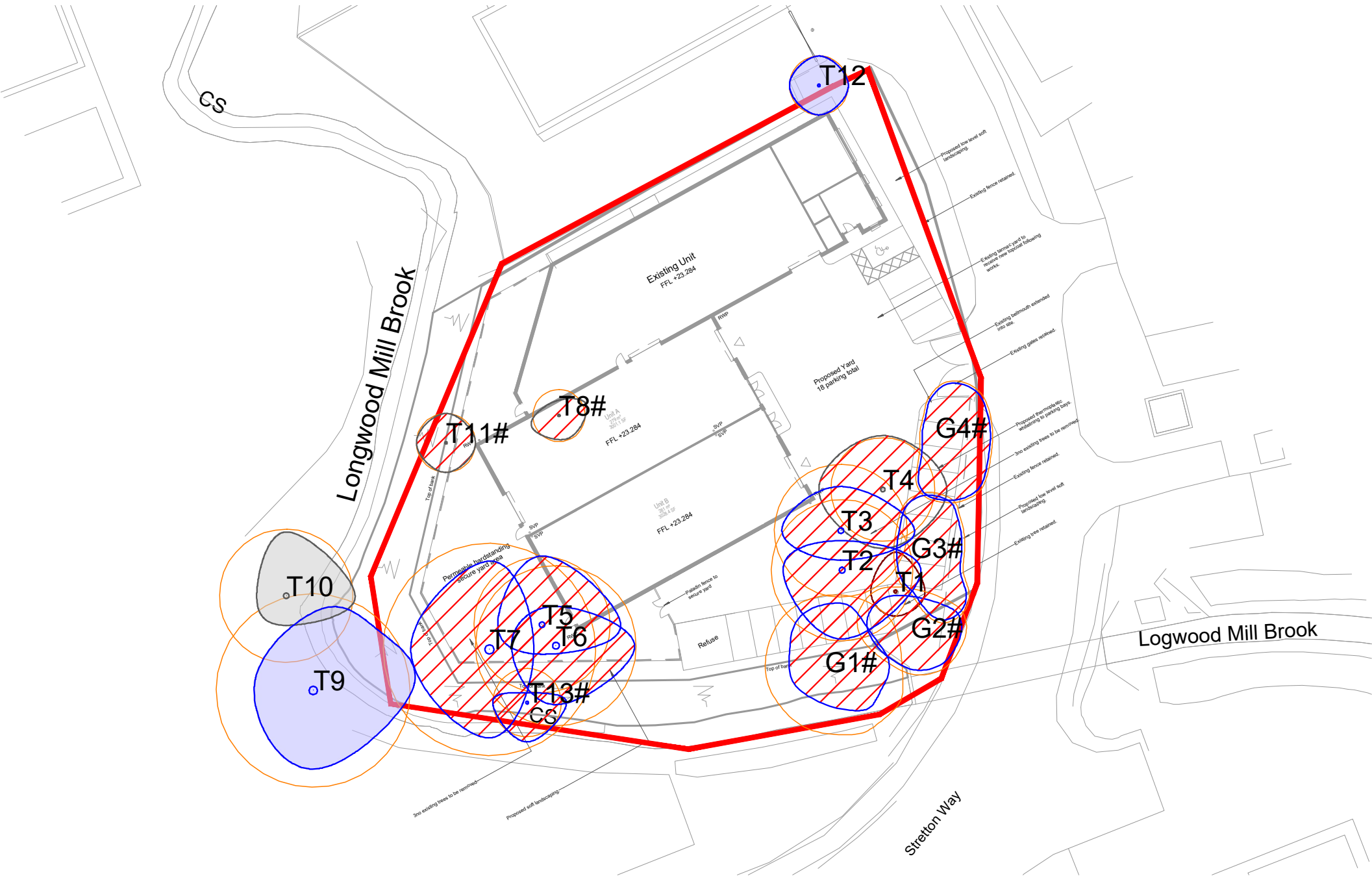
Drawing Number
D9155.001

Drawn	Checked	Approved	Scale	Date
ML	AAB	JGS	1:500 @ A3	28/10/2021

Arboricultural Impact Assessment

3.0 Effects

- 3.1. In simple terms, the effects on arboriculture comprises an account of which existing trees would not be retained within the proposed development; what significance they have; and whether adverse effects would or can be mitigated or offset.
- 3.2. This drawing presents the results of an assessment in accordance with BS 5837, including a definitive account of which trees would be removed or pruned.
- Proposed development**
- 3.3. The proposed development comprises construction of two new adjoining units to be built as an extension to the south of the existing warehouse, together with associated front and rear yards, vehicle access and parking infrastructure. The proposed layout is shown opposite and is based on drawing reference: P5801-105 Rev 1 Proposed Site Plan.
- Proposed tree works**
- 3.4. A reasonable worst case assessment of the requirement to prune or remove trees has been made on the basis of BS 5837, the proposed construction methods, and professional judgement. The works listed below and illustrated opposite form part of the proposed development, and would be permitted by the grant of planning consent:
- 3.5. All trees within the site would be removed to facilitate the development. The the two third party trees (T9 and T10) on the opposite side Longwood Mill Brook would be unaffected, as would the third party tree (T12) adjacent the north of the site.
- 3.6. Removal of G1-G4 will result in loss of screening along Stretton Way. The scale of tree removal would result in adverse arboricultural and biodiversity effects that can not be mitigated on the site.
- Effects on designated or protected features**
- 3.7. Trees are a material consideration and the quality of trees, planning policies, and the presence of any special status or designation is likely to be considered by consenting authorities when determining a planning application.
- 3.8. The removal of trees, without mitigation, constitutes an adverse effect that is likely to be regarded by consenting authorities as contrary to the overarching environmental objective within national planning policy to protect and enhance the natural environment and biodiversity.
- 3.9. It will be for the consenting authority to evaluate the proposed development, including mitigation measures, in consideration of all relevant local and national planning policies and guidance.



KEY

[This drawing must be reproduced in colour]

T1/G1 Trees

Root Protection Area (RPA)

Survey Boundary

Approximate location
(Feature not shown or only shown in part on supplied topographical survey)

Trees to be retained and protected

Category B
(Moderate quality)

Category C
(Low quality)

Proposed tree and hedgerow works

Trees to be removed
(Canopy outline denotes tree quality category)

NOTE: This drawing should be read in conjunction with the respective Arboricultural Survey Data (Appendix A).

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Genesis Centre, Birchwood Science Park, Warrington WA3 7BH
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Project
Fleet Factors, Huyton

Title
Arboricultural Impact Assessment [EFFECTS]

Drawing Number
D9155.002

Drawn	Checked	Approved	Scale	Date
ML	AAB	JGS	1:500 @ A3	28/10/2021

Arboricultural Impact Assessment

4.0 Mitigation

4.1. This drawing describes mitigation measures that are incorporated within the proposed development and would be secured by the grant of planning permission. It also outlines recommended measures, which are not proposed but which could be secured by planning condition or agreement and therefore relied upon to draw conclusions regarding overall effects in planning terms.

4.2. This information is presented in the format of a method statement, which describes actions to be completed by the site manager in chronological order.

Proposed measures

4.3. The site manager and all contractors must observe and implement everything in this section to avoid a breach of planning.

Pre-start

4.4. The site manager will read, understand and retain responsibility for implementing this document.

4.5. A copy of this document in colour and at A3 will be made available for inspection on site and introduced to all relevant contractors.

4.6. Arboriculturist and author of this document, Mark Levitt, can be contacted on 07769354709 if required to assist with the correct interpretation of this document and/or inspect tree works and tree protection measures.

4.7. An Arboricultural Contractor will be appointed to undertake tree works.

4.8. Tree works shown on drawing D9155.001 will be completed in accordance with BS3998: 2010 Tree work - Recommendations.

4.9. Tree protection fencing will be installed as shown opposite.

4.10. The specification for tree protection fencing will be as per Appendix C.

4.11. The site manager will inspect and verify the correct installation of tree protection and maintain a photographic record.

4.12. Tree protection fencing will not be removed or realigned; and storage, excavation, level change, and access is prohibited within areas of tree protection except as described by this document or an approved Arboricultural Method Statement.

During construction

4.13. Works will proceed in a careful and logical manner, to prevent accidental damage from cranes, booms and other plant/vehicles to trees T9 and T10..

4.14. If major roots (>25mm diameter) are uncovered during construction close to T9 and T10, works liable to damage them will cease, they will be loosely covered, and arboricultural advice will be sought.

4.15. Following completion of all construction works and removal of vehicles, plant, compounds and materials, tree protection will be removed.

Recommended measures

4.16. The client, site manager and/or contractors should implement everything in this section; compliance may be specifically required by planning condition.

Planting

4.17. A scheme of tree planting should be produced and implemented to offset adverse effects associated with the proposed development and tree loss.

4.18. There is inadequate space within the site to mitigate for the proposed tree loss in full. However, some tree and hedgerow planting could be accommodated along the southern and western boundaries of the site on the brook banking's. The planting scheme is recommended to include:

4.18.1. A minimum replacement ratio of 2:1 for each individually recorded tree removed (i.e. 20 trees for T1 to T8 and T11) comprising at least five different native species that are tolerant of urban growing conditions such as field maple, hawthorn, rowan, common alder and native birch species.

4.18.2. A comparable length of mixed native hedgerow to that of the Leyland cypress groups being removed (i.e. 80m for G1 to G4) comprising at least five different species including those providing for wildlife through provision of nuts and berries as well as nesting locations, such as hawthorn, hazel, elder, yew and holly.

4.18.3. Offsite tree planting in agreement with the local planning authority where a shortfall in tree or hedgerow numbers is identified following production of the on-site planting plan.

4.19. Provision should be made for the maintenance of new planting in accordance with BS 8545:2014 Trees: from nursery to independence in the landscape - Recommendations, and replacement of failures for a period of at least 5 years.



KEY

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- T1/G1 Retained trees and groups
- Root Protection Area (RPA)
- Survey Boundary
- # Approximate location (Feature not shown on supplied topographical survey)
- Tree Protection Fencing (c. 10.5m) (Must be installed prior to works commencement)



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Project
Fleet Factors, Huyton

Title
Arboricultural Impact Assessment [MITIGATION]

Drawing Number
D9155.003

Drawn	Checked	Approved	Scale	Date
ML	AAB	JGS	1:500 @ A3	28/10/2021



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APPENDIX A: Arboricultural Data Sheets



Surveyor Mark Levitt
 Survey Date 26.10.2021
 Site Fleet Factors, Huyton
 Drawing Ref D9155.001

APPENDIX A: Arboricultural Survey Data Sheets

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
Trees																	
T1	Goat willow	9.0	3.0	300	10	4.0	2.5	3.0	2.5	0.5	N	Middle Age	Poor	Almost dead likely due to shaded position. Multi-stemmed near base. Upright stem form.		U	Very Short
T2	Goat willow	11.0	1.5	600	6	3.0	7.0	8.0	6.0	1.0	SW	Middle Age	Fair	Multi-stemmed specimen near base with upright stem form. Canopy arching over to west towards ground, high canopy in other directions.		B ,2	Long
T3	Goat willow	10.0	1.5	563	6	4.5	3.0	7.5	6.0	2.0	SW	Middle Age	Good	Multi-stemmed specimen from near base. Standing dead large epicormic stem at southeast. Arching branches to North and West towards ground.		B ,2	Long
T4	Goat willow	6.0	1.0	440	5	5.5	6.0	6.5	6.5	1.5	NE	Middle Age	Fair	Smallest and in least good condition of multi-stemmed. goat willow specimens growing within grassed area. Stems at east spreading almost horizontally. Metal pole embedded within centre of multi-stemmed union. Stem wounds and peeling bark. Reduced vigour.		C ,3	Medium
T5	Goat willow	10.0	1.5	577	5	7.0	3.0	8.0	4.5	3.0	N	Middle Age	Fair	Multi-stemmed tree with some fusing of stems. Turf deposited at and near base. Tall narrow stems with mostly upright form. Small elder specimens rooted at around base. Lower canopy at North due to one leaning stem in this direction.	Carefully remove turf from RPA without damaging roots.	B ,2	Long
T6	Goat willow		1.5	681	5	4.0	6.0	8.0	4.5	1.5	E	Middle Age	Fair	Multi-stemmed specimen with turf deposited at and near base. Narrow upright stems but with lean to east due to tree at West.	Carefully remove turf from RPA without damaging roots.	B ,2	Long
T7	Goat willow	10.0	0.0	901	13	9.0	9.0	4.5	8.0	1.0	N	Mature	Fair	Multi-stemmed, mature specimen with wide spreading and low canopy to North West and South, growth restricted to east by two other goat willows.		B ,2, 3	Long
T8	Elder	5.0	0.0	221	10	1.5	2.5	3.0	3.0	0.0	S	Middle Age	Fair	Small multi-stemmed self-set tree rooted adjacent warehouse building. Bird's nest noted within canopy.		C ,1	Medium
T9	Pedunculate oak	12.0	1.0	822	4	8.0	8.0	10.0	6.0	0.5	NE	Mature	Good	Imbalanced canopy, access restricted due to location. Rooted on banking on opposite site of Brook to site.		B ,1, 2, 3	Long
T10	Common alder		1.0	566	2	6.5	3.0	7.0	3.0	0.5	NE	Middle Age	Poor	Extensive dieback. Extensive ivy on stems. Twin stemmed, restricted access due to location on opposite side of brook to site. Recorded for completeness, unlikely to be significantly affected.		C ,3	Short
T11	Pedunculate oak	6.0	1.0	250	1	3.0	3.0	3.0	3.0	0.5	SW	Middle Age	Fair	Access restricted by vegetation and location growing atop Brook banking on site side. Multi-branched from single main stem. Leaf pests numerous on several leaves causing early necrosis. Remainder of leaves and majority of canopy appears.		C ,1	Long
T12	Norway maple	7.0	1.5	250	1	3.0	3.0	3.0	3.0	1.5	W	Middle Age	Good	Third party amenity tree rooted in small planting bed close to entrance gate to adjacent property. Small cotoneaster specimen adjacent east on other side of security wire fencing.		B ,1, 2	Long
T13	Silver birch	10.0	1.5	290	1	1.0	4.0	4.0	3.5	2.5	SE	Middle Age	Good	Stem lean and kink, growing away from goat willow canopies over brook.		B ,2	Long
Groups																	
G1	Lawson cypress	12 to 13	0.0	250 to 600	4							Middle Age	Good	Part of row of trees recorded as separate groups planted along fence line as shelterbelt, varying in size, condition and orientation. Oriented North south. Elder specimens around base on brook side.	Prune and manage as screening group	B ,2	Long
G2	Lawson cypress	12 to 13	0.0	150 to 290	12							Middle Age	Good	Part of row of trees recorded as separate groups planted along fence line as shelterbelt, varying in size, condition and orientation. Oriented west east	Prune and manage as screening group	B ,2	Long
G3	Lawson cypress	12 to 13	0.0	120 to 250	18							Middle Age	Fair	Part of row of trees recorded as separate groups planted along fence line as shelterbelt, varying in size, condition and orientation. Oriented North South, previously pruned too hard at east.	Prune sensitively and manage to create uniform screening group with adjacent groups as much as possible going forward	B ,2	Long
G4	Lawson cypress	10 to 12	0.0	150 to 250	13							Middle Age	Good	Part of row of trees recorded as separate groups planted along fence line as shelterbelt, varying in size, condition and orientation. Oriented North South	Prune and manage as screening group	B ,2	Long



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APPENDIX B: Survey Method

APPENDIX B: Survey Method

The survey of trees is conducted from ground level only. The nature of the soils on site is not assessed.

Trees are dynamic living organisms with a constantly changing structure; even trees in good condition can suffer from damage or stress. The information recorded is presented as being correct at the time of survey.

The following features of each tree, group of trees or wood may have been recorded in the Arboricultural Survey Data Sheets at Appendix 1.

Species	The common name is given. The Latin name may also be given if further clarification is required.	
Height	Top height of tree recorded in metres.	
Stem Diameter	For single-stemmed trees the measurement is taken at 1.5 metres above ground level and recorded in millimetres. For multi-stemmed trees an average all stems measured at 1.5m above ground level is used. For tree groups a range from minimum to maximum diameters is provided based on measurements taken using one of the aforementioned methods.	
No. of Stems	A count of stems arising below a height of 1.5 metres.	
Crown Spread	The N, S, E and W branch spreads are recorded in metres to provide a representative crown shape.	
Height of Lowest Branch	Crown clearance above ground level recorded in metres.	
Direction of Lowest Branch	The direction of growth of the first significant branch from the point of attachment.	
Maturity	Young	Trees that can reasonably be relocated or replaced like for like, without undue cost;
	Middle Age	Trees in the established growth stage of their life with the potential to continue increasing in size;
	Mature	Trees that have reached their ultimate size, given their location and surroundings;
Condition	Good, Fair, Poor. An overall assessment of a tree's physiological and structural state in which factors that may increase its susceptibility to the effects of development are taken into account. Veteran. Trees that are in such a condition as to significantly increase their biological, cultural or aesthetic value. This is characteristic of, but not exclusive to, individuals surviving beyond the typical age range for the species concerned.	
Comments	A brief evaluation and description of the tree with comments on form, vitality, health and any significant defects or symptoms of ill-health.	

BS 5837 Tree Quality Assessment

The tree quality assessment is based on Table 1 of BS 5837:2012 (See below). Four categories (A, B, C and U) are used to denote tree quality (A= High, B = Moderate, C = Low, U= Unsuitable for retention). Subcategories (1-3) denote the specific function value of the trees and the reasoning behind the allocation of a specific category (the subcategories may be used in combination but do not accumulate collective weight).

Root Protection Area (RPA)

The RPA is allocated to ensure that a sufficient area is left undisturbed during development. It is provided as an area (m²) and as the radius of a circle (m) typically plotted from the centre of the stem.

The RPA is calculated using a mathematical equation included in BS 5837:2012 (Section 4.6 and Table D.1) and is based on a tree's stem diameter. In some cases the RPA may need to be adapted to best reflect the likely area and position of roots required to ensure survival; this may be based on criteria such as the tree's condition, species, crown spread and any barriers to growth. Any alteration must be justifiable but is made at the Arboricultural Consultants discretion.

Recommendations

Recommendations for arboricultural works, etc. are based on the **current** land use, and take into account the tree or group attributes without bias to the proposed development.

Estimated Remaining Contribution

An estimation of the life expectancy as healthy functioning tree. This will be influenced by species and the condition of the tree at the time of survey.

Long	> 40 years
Medium	20 – 40 years
Short	less than 20 years

APPENDIX B: Survey Method

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

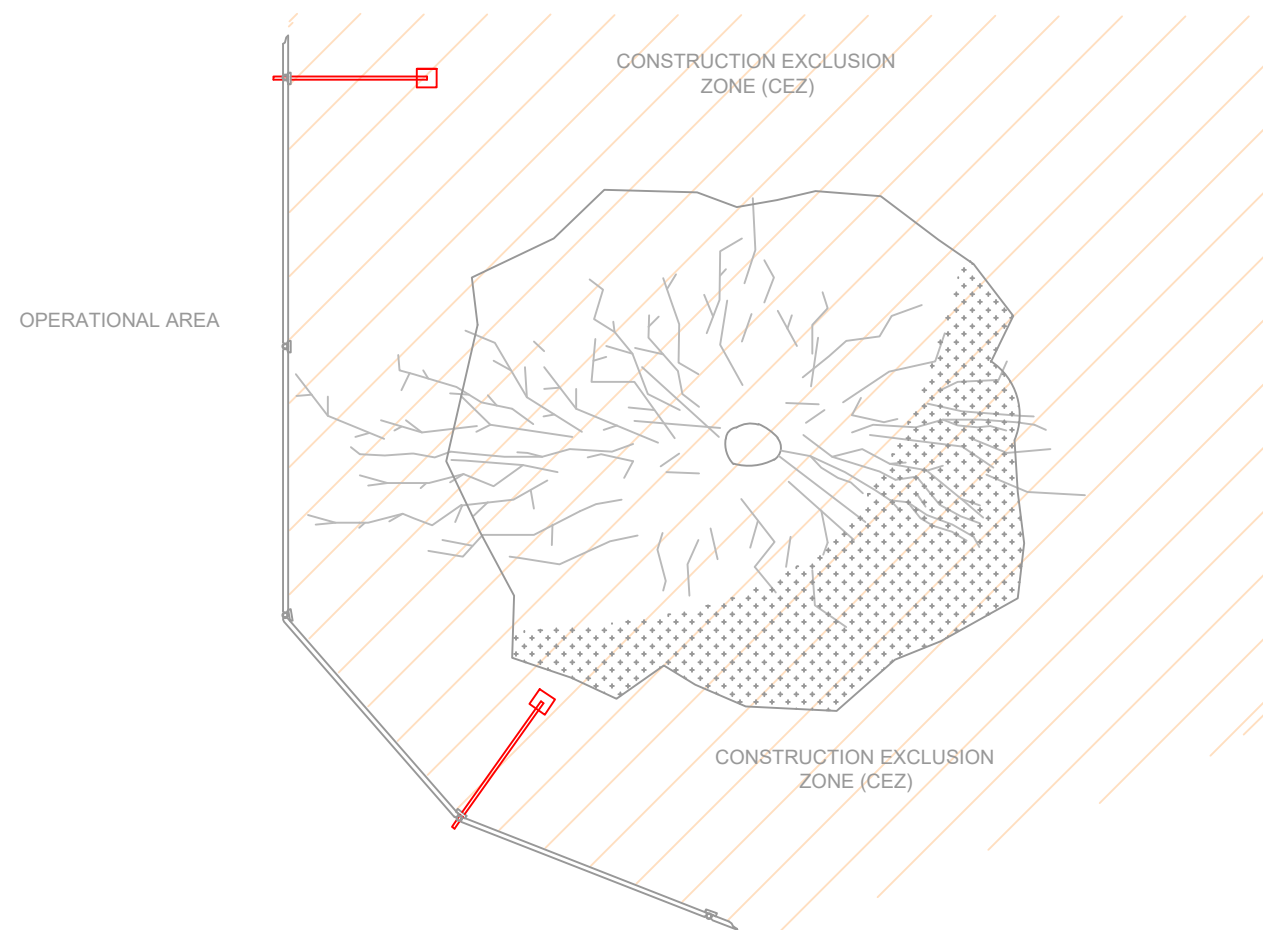
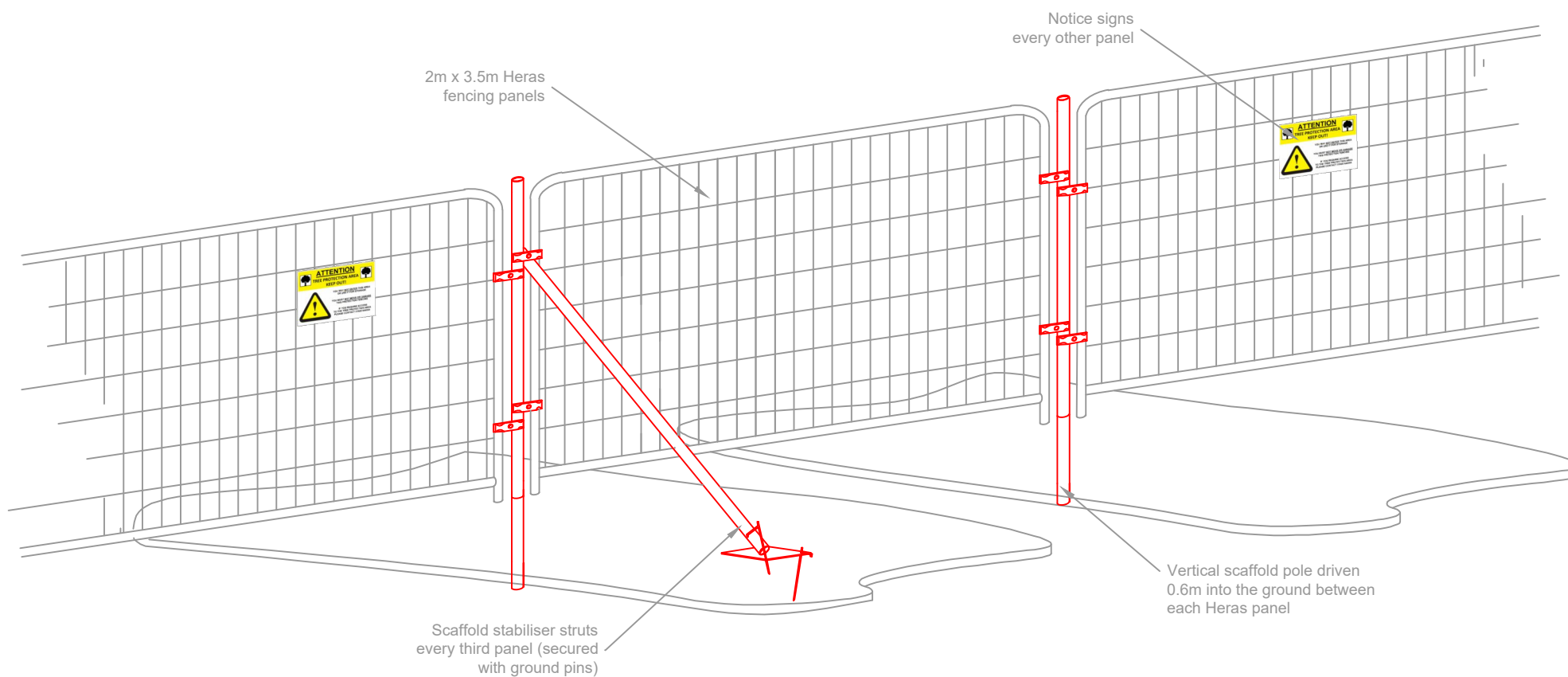
British Standards Institute (2012) BS5837:2012 Trees in relation to design, demolition and construction – Recommendations.
p.9

NOTES:

All young trees are assessed as quality category 'C' but this does not preclude their retention within a development.

For hedges the height, canopy spread and number of stems is recorded but they are not assigned a quality category.

APPENDIX C: Specification Drawings



Per 3No. Heras panels (10.5m)	
Component	Quantity
2m x 3.5m Standard Heras panels	3
3m Galvenised steel scaffold pole	3
Heras fecurity fence clip	12
Heras stabilising support bar	1
Stabilising pin	2
Tree protection notice	2

Notes:

Rev	Description	Drawn	Approved	Date
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Genesis Centre, Birchwood Science Park, Warrington WA3 7BH
Tel 01925 844004 e-mail tep@tep.uk.com www.tep.uk.com

Project

Title
Temporary tree protection fencing for use on soft surfaces

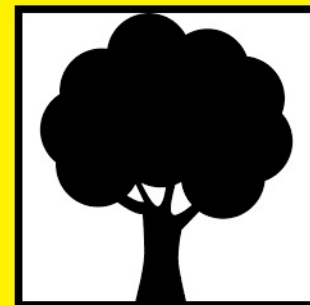
Drawing Number
TEP.ARB.FEN.001

Drawn	Checked	Approved	Scale	Date
TDP	RMG	JGS	(not to scale) @ A3	08/07/2019



ATTENTION

**TREE PROTECTION AREA
KEEP OUT!**



**YOU MAY NOT ENTER THIS AREA
OR USE IT FOR STORAGE**

**YOU MUST NOT MOVE OR DAMAGE
THIS PROTECTION FENCING**

**IF YOU REQUIRE ACCESS
TO THE TREE PROTECTION AREA
PLEASE CONTACT 01925 844004**

HEAD OFFICE

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