

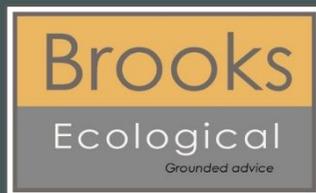
# Land between Oxford Road and Reservoir Street, Dewsbury, WF13 4LL



## Arboricultural Impact Assessment

01/09/2023

Thomas Owen Care Ltd.



<b>Report reference</b>	<b>AR-6262-02 AIA</b>
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<b>Report duration</b>	12 months



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## Summary

Brooks Ecological Ltd was commissioned by Thomas Owen Care Ltd. to carry out a Tree Survey at land at Land between Oxford Road and Reservoir Street, Dewsbury, WF13 4LL, and provide professional independent, detailed arboricultural advice on all relevant trees.

The application site 'the Site' previously supported a tennis court, a small pavilion and associated car parking, flanked by trees and hedges. There are some remnant hardstanding and disturbed ground. The site has been subject to significant fly tipping.

The Site is located c.1km northwest of Dewsbury town centre, in an area comprised primarily of sub-urban housing. A large school is located to the south of the Site with associated playing fields and landscaping.

The surrounding area is typical of West Yorkshire, with several small former industrial and mining towns separated by pockets of pastoral farmland.

The tree survey revealed a total of twenty-five individual trees and eight groups of trees. Twelve trees were identified as retention category 'B', nineteen trees/groups were identified as retention category 'C' and two individual trees were identified as retention category 'U'. There were no retention category 'A' trees identified

This report should be read in conjunction with the attached Tree Constraints Plan Ref: DR-6262-01, Tree Protection Plan Ref: DR-6262-02 and Tree Survey Ref: AR-6262-01.

A plan, Ref: 0710-Proposed Site Plan plus LE-161 Fredrick Finlay CH Management Report, has been provided by the client to enable and impact assessment of the proposed works on the existing relevant trees with the Site.

It should be noted that since the site visit in January 2023, T18, a Wych Elm, has died.

## Introduction

1. This report has been commissioned to provide professional independent, detailed arboricultural advice on relevant trees present at Land between Oxford Road and Reservoir Street, Dewsbury, WF13 4LL.
2. Plans have been provided by the architect/client to enable an impact assessment of the proposed works on the existing relevant trees within the Site.

## Impact Schedule

3. The following schedule identifies the individual tree and its retention category with the main feature(s) of the proposed works likely to cause an impact. The tree references are shown on the tree constraints plan and the tree protection plan. Any mitigation measures are noted.

Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
<b>G1</b>	Mixed	C2	Proposed access road, within footprint of construction.  Possible boundary feature.	Sections of group will require removing	<p>Some management is required to remove the poorer/dead specimens plus the stumps with re-growth. The group is very dense and requires the laurel present to be removed. The group would benefit from the clearing of the understorey and canopy cleans to remove dead and crossing branches.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>Arboricultural supervision required.</p> <p>The retained section should be protected by fencing in line with BS 5837:2012 Default specification.</p> <p>Mitigation planting on site</p>
<b>T2</b>	Ash	B1	Close to proposed access road  Possible boundary feature.	<p>Retain.</p> <p>Some very low-level root pruning maybe required along the footprint of the proposed kerb line.</p>	<p>Tree protection barrier to BS5837: 2012 Default specification.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be</p>

Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
					<p>either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>Arboricultural supervision required.</p> <p>Some very minor root pruning may be required.</p>
<b>T3</b>	Ash	C1	<p>Close to proposed access road</p> <p>Close to proposed drainage.</p> <p>Possible boundary feature.</p>	<p>Retain.</p> <p>Some very low-level root pruning maybe required along the footprint of the proposed kerb line.</p>	<p>Tree protection barrier to BS5837: 2012 Default specification.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>Arboricultural supervision required.</p> <p>Some very minor root pruning may be required.</p>
<b>T4</b>	Ash	B1	<p>Close to proposed car parking area.</p> <p>Close to proposed drainage.</p> <p>Possible boundary feature.</p>	<p>Retain.</p> <p>Some very low-level root pruning maybe required along the footprint of the proposed kerb line of the car parking area.</p>	<p>Tree protection barrier to BS5837: 2012 Default specification.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>Arboricultural supervision required.</p> <p>Some very minor root pruning may be required.</p> <p>Canopy clean required.</p>
<b>G5</b>	Sycamore, beech, ash	C2	<p>Close to proposed car parking area.</p> <p>Possible boundary feature.</p>	Retain	<p>Clearing of understorey plus canopy reduction in places. Some management is required to remove the poorer/dead specimens.</p> <p>Tree protection barrier to BS5837: 2012 Default specification.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes</p>

Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
					must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.
<b>T6</b>	Ash	B1	Close to proposed car parking area. Close to proposed drainage. Possible boundary feature.	Retain. Some very low-level root pruning maybe required along the footprint of the proposed kerb line.	Tree protection barrier to BS5837: 2012 Default specification. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground. Arboricultural supervision required. Some very minor root pruning may be required.
<b>T7</b>	Goat willow	C1	None	None	Tree protection barrier to BS5837: 2012 Default specification. Canopy clean required.
<b>T8</b>	Ash	B1	Possible boundary feature.	Retain	Tree protection barrier to BS5837: 2012 Default specification. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground. Canopy clean required.
<b>T9</b>	Ash	C1	Possible boundary feature.	Retain	Tree protection barrier to BS5837: 2012 Default specification. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground. Canopy clean required.

Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
<b>T10</b>	Ash	C1	Possible boundary feature.	Retain	<p>Tree protection barrier to BS5837: 2012 Default specification.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>Canopy clean required.</p>
<b>T11</b>	Ash	C1	Possible boundary feature.	Retain	<p>Tree protection barrier to BS5837: 2012 Default specification.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>Canopy clean required.</p>
<b>T12</b>	Sycamore	C1	Possible boundary feature.	Retain	<p>Tree protection barrier to BS5837: 2012 Default specification.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>Canopy clean required.</p>
<b>G13</b>	Mixed	C2	Possible boundary feature.	Retain	<p>Some management is required to remove the poorer/dead specimens. The group would benefit from the clearing of the understorey and canopy cleans to remove dead and crossing branches.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be</p>

Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
					<p>either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>The retained section should be protected by fencing in line with BS 5837:2012 Default specification.</p>
<b>T14</b>	Sycamore	C1	<p>Close to proposed car parking area and road</p> <p>Possible boundary feature.</p>	<p>Retain.</p> <p>Some low-level root pruning maybe required along the footprint of the proposed kerb line.</p>	<p>Tree protection barrier to BS5837: 2012 Default specification.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>Arboricultural supervision required.</p> <p>Some very minor root pruning may be required.</p>
<b>T15</b>	Beech	U	Remove for arboricultural reasons	Remove for arboricultural reasons	None
<b>T16</b>	Beech	U	Remove for arboricultural reasons	Remove for arboricultural reasons	None
<b>G17</b>	Mixed	C2	<p>Site proposed footprint plus car parking area</p> <p>Possible boundary feature</p>	Sections of group will require removing	<p>Some management is required to remove the poorer/dead specimens plus the stumps with re-growth. The group is very dense and requires the laurel present to be removed. The group would benefit from the clearing of the understorey and canopy cleans to remove dead and crossing branches.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>Arboricultural supervision required.</p> <p>The retained section should be protected by fencing in line with BS 5837:2012 Default specification.</p>

Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
					This group should be re-surveyed once the understorey has been cleared. Mitigation planting on site
<b>T18</b>	Wych elm	C1	Dead tree Remove for arboricultural reasons alone	Dead tree Remove for arboricultural reasons alone	Dead tree Remove for arboricultural reasons alone
<b>G19</b>	Cherry	C1	Site proposed footprint	Removal	Mitigation planting on site
<b>T20</b>	Oak	C1	None	None	Tree protection barrier to BS5837: 2012 Default specification. Canopy clean required.
<b>T21</b>	Ash	C1	Possible boundary feature.	Retain	Tree protection barrier to BS5837: 2012 Default specification. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground. Canopy clean required.
<b>T22</b>	Norway maple	B1	None	None	Off site - no protective fencing required.
<b>T23</b>	Norway maple	B1	None	None	Off site - no protective fencing required.
<b>T24</b>	Ash	B1	Proposed road Possible boundary feature	Retain	In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground. Arboricultural supervision required. The retained section should be protected by fencing in line with BS 5837:2012 Default specification.
<b>T25</b>	Ash	B1	Possible boundary feature.	Retain	Tree protection barrier to BS5837: 2012 Default specification.

Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
					<p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>Canopy clean required.</p>
<b>T26</b>	Ash	B1	<p>Proposed unit &amp; footpath</p> <p>Possible drainage run</p> <p>Possible boundary feature</p>	Special construction techniques required	<p>Tree protection barrier to BS5837: 2012 Default specification.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>A “no dig” construction method is required within the Cian hatched area highlighted on the submitted Tree Protection Plan Ref: DR-6262-02 TPP. A load suspension layer incorporating a three dimensional cellular confinement system is to be used. The finished surface must be porous in order to allow air and water to reach the tree roots, whilst at the same time being able to withstand the load applied.</p> <p>Pile and beam foundation are preferred within footprint of western elevation of unit.</p> <p>Mechanical trenching for the installation of underground apparatus and drainage severs any roots present and can change the local soil hydrology in a way that adversely affects the health of the tree. For this reason, particular care should be taken in the routeing and methods of installation of all underground apparatus. Possible changes in the design should be considered to route the pipe outside of RPAs. If this is not possible, trenchless insertion methods should be used e.g impact moling.</p> <p>Arboricultural supervision required.</p> <p>Care to be taken when removing the grass.</p>

Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
					<p>It is recommended that mitigation measures are put in place to improve the surrounding soil environment for growth.</p> <p>Canopy clean required.</p>
<b>T27</b>	Ash	B1	<p>Proposed unit &amp; footpath</p> <p>Possible drainage run</p> <p>Possible boundary feature</p>	Special construction techniques required	<p>Tree protection barrier to BS5837: 2012 Default specification.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>A "no dig" construction method is required within the Cian hatched area highlighted on the submitted Tree Protection Plan Ref: DR-6262-02 TPP. A load suspension layer incorporating a three dimensional cellular confinement system is to be used. The finished surface must be porous in order to allow air and water to reach the tree roots, whilst at the same time being able to withstand the load applied.</p> <p>Pile and beam foundation are preferred within footprint of western elevation of unit.</p> <p>Mechanical trenching for the installation of underground apparatus and drainage severs any roots present and can change the local soil hydrology in a way that adversely affects the health of the tree. For this reason, particular care should be taken in the routeing and methods of installation of all underground apparatus. Possible changes in the design should be considered to route the pipe outside of RPAs. If this is not possible, trenchless insertion methods should be used e.g impact moling.</p> <p>Arboricultural supervision required.</p> <p>Care to be taken when removing the grass.</p> <p>It is recommended that mitigation measures are put in place to improve the surrounding soil environment for growth.</p> <p>Canopy clean required.</p>

Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
<b>T28</b>	Ash	B1	Proposed unit & footpath Possible drainage run Possible boundary feature	Special construction techniques required	<p>Tree protection barrier to BS5837: 2012 Default specification.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>A "no dig" construction method is required within the Cian hatched area highlighted on the submitted Tree Protection Plan Ref: DR-6262-02 TPP. A load suspension layer incorporating a three dimensional cellular confinement system is to be used. The finished surface must be porous in order to allow air and water to reach the tree roots, whilst at the same time being able to withstand the load applied.</p> <p>Pile and beam foundation are preferred within footprint of western elevation of unit.</p> <p>Mechanical trenching for the installation of underground apparatus and drainage severs any roots present and can change the local soil hydrology in a way that adversely affects the health of the tree. For this reason, particular care should be taken in the routeing and methods of installation of all underground apparatus. Possible changes in the design should be considered to route the pipe outside of RPAs. If this is not possible, trenchless insertion methods should be used e.g impact moling.</p> <p>Arboricultural supervision required.</p> <p>Care to be taken when removing the grass.</p> <p>It is recommended that mitigation measures are put in place to improve the surrounding soil environment for growth.</p> <p>Canopy clean required.</p>
<b>T29</b>	Ash	B1	Proposed unit & footpath Possible drainage run Possible boundary feature	Special construction techniques required	<p>Tree protection barrier to BS5837: 2012 Default specification.</p> <p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring</p>

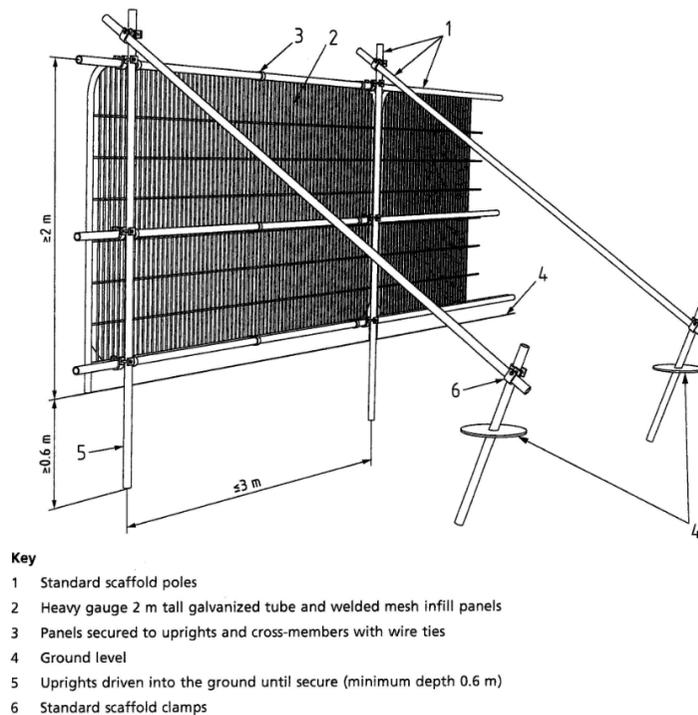
Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
					<p>intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>A "no dig" construction method is required within the Cian hatched area highlighted on the submitted Tree Protection Plan Ref: DR-6262-02 TPP. A load suspension layer incorporating a three dimensional cellular confinement system is to be used. The finished surface must be porous in order to allow air and water to reach the tree roots, whilst at the same time being able to withstand the load applied.</p> <p>Pile and beam foundation are preferred within footprint of western elevation of unit.</p> <p>Mechanical trenching for the installation of underground apparatus and drainage severs any roots present and can change the local soil hydrology in a way that adversely affects the health of the tree. For this reason, particular care should be taken in the routeing and methods of installation of all underground apparatus. Possible changes in the design should be considered to route the pipe outside of RPAs. If this is not possible, trenchless insertion methods should be used e.g impact moling.</p> <p>Arboricultural supervision required.</p> <p>Care to be taken when removing the grass.</p> <p>It is recommended that mitigation measures are put in place to improve the surrounding soil environment for growth.</p> <p>Canopy clean required.</p>
<b>G30</b>	Sycamore	C1	Site proposed footprint	Removal	Mitigation planting on site
<b>G31</b>	Mixed	C2	Close to proposed unit and car park Possible boundary feature	Retain	Some management is required to remove the poorer/dead specimens plus the stumps with re-growth. The group is very dense and requires the laurel present to be removed. The group would benefit from the clearing of the understorey and canopy cleans to remove dead and crossing branches.

Tree ref.	Species	Retention category	Proposal feature	Impact	Mitigation
					<p>In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.</p> <p>Arboricultural supervision required.</p> <p>The retained section should be protected by fencing in line with BS 5837:2012 Default specification.</p> <p>This group should be re-surveyed once the understorey has been cleared.</p>
<b>G32</b>	Mixed	C2	Site proposed footprint	Removal	Mitigation planting on site
<b>T33</b>	Goat willow	C1	Site proposed footprint	Removal	Mitigation planting on site

## Implications for retained trees

### Tree protection

4. Trees and tree groups should be protected from unwanted damage during construction works with temporary tree protection barriers. The barriers should be erected to the outer edge of the tree canopy or the edge of the RPA, whichever is the furthest away from the tree, unless otherwise indicated on the Tree Protection Plan.
5. Tree protection barriers should be the default specification for protective barrier, Figure 2, BS 5837: 2012 Trees in relation to design, demolition and constructions – Recommendations. Where Site circumstances prevent the use of the default barrier, an alternative specification would be recommended by the project arboriculturist with agreement of the local planning authority. The recommended locations for tree protective barriers are shown in Tree Protection Plan Ref: DR-6262-02.
6. All-weather notices should be attached to the barrier with words such as: “Construction exclusion zone – no access”.
7. Where facilitation access is authorised within the RPA temporary ground protection should be installed prior to work starting on Site. The temporary ground protection should be capable of supporting the weight of any traffic/machinery using the Site without being distorted or causing compaction to the ground. It is recommended that the ground of the possible Site compound/storage area is covered in temporary ground protection to minimise soil damage by compaction and conserve soil health through to post-construction planting in this area.



**Figure 1**

### *Tree work*

8. Where pruning work is necessary and authorised to roots or branches of retained trees to enable facilitation works, it should be carried out by a competent contractor in accordance with BS 3998: 2010 Tree Works – Recommendations.
9. Many of the trees on site require management. The dense understorey should be cleared and the canopies clean of deadwood and crossing branches.
10. Some minor facilitation pruning maybe required in the form of a canopy reduction and canopy lifts.
11. It should be noted that since the site visit in January 2023, T18, a Wych Elm, has died.

### *Drainage and utilities*

12. There may possible be an encroachment into the RPA's of T26, T27, T28 & T29 with proposed drainage.
13. Mechanical trenching for the installation of underground apparatus and drainage severs any roots present and can change the local soil hydrology in a way that adversely affects the health of the tree. For this reason, particular care should be taken in the routeing and methods of installation of all underground apparatus. Possible changes in the design should be considered to route the pipe outside of RPAs. If this is not possible, trenchless insertion methods should be used e.g impact moling.
14. Any proposed works within the root protection areas must be fully specified by a suitable engineer. All works should be supervised by an Arboricultural Consultant.

### *Ground level changes*

15. It is our understanding that no ground level changes are required within the root protection area of any tree on this site.

### *Boundary features*

16. Proposed boundary fencing is proposed within the RPA's of some of the retained trees on site. In order to minimise root damage to these trees, excavation must be kept to a minimum. A fence designs requiring intermittent posts will be acceptable and the post holes must not be excavated by mechanical means but may be either dug by hand (with any roots found cleanly severed) or the posts may be driven into the ground.
17. All works within RPA's should supervised by Brooks Ecological.

### *Foundation of units*

18. Pile and beam foundation are preferred within footprint of western elevation of unit within the RPA of T26, T27, T28 and T29.
19. Any proposed works within the root protection areas must be fully specified by a suitable engineer. All works should be supervised by an Arboricultural Consultant.

### *Proposed Footpath*

20. A footpath is proposed within the RPA's of retained trees T26, T27, T28 and T29. Specific details on how this will be construction have not been seen to date. A geo textile "no dig" construction method is required.
21. This construction of a hard surface required within the root protection area requires a "no dig" construction method. The various requirements for a hard surface within the RPA will be achieved using a load suspension layer incorporating a three dimensional cellular confinement system. The footpath should be bound by exterior treated FSC softwood timber pinned in place

22. The design and construction techniques of special surfaces within tree root protection areas must meet the expected level and type of traffic as well as the biological and environmental requirements of tree roots and be practicable in terms of time and resources required for construction.
23. The finished surface must be porous in order to allow air and water to reach the tree roots, whilst at the same time being able to withstand the load applied.
24. Any proposed surfaces within the root protection areas must be fully specified by a suitable engineer.
25. Great care must be taken when removing the grass within this area. Hand tools only.
26. This should be supervised by an Arboricultural Consultant. This AIA will require updating when further information is provided.

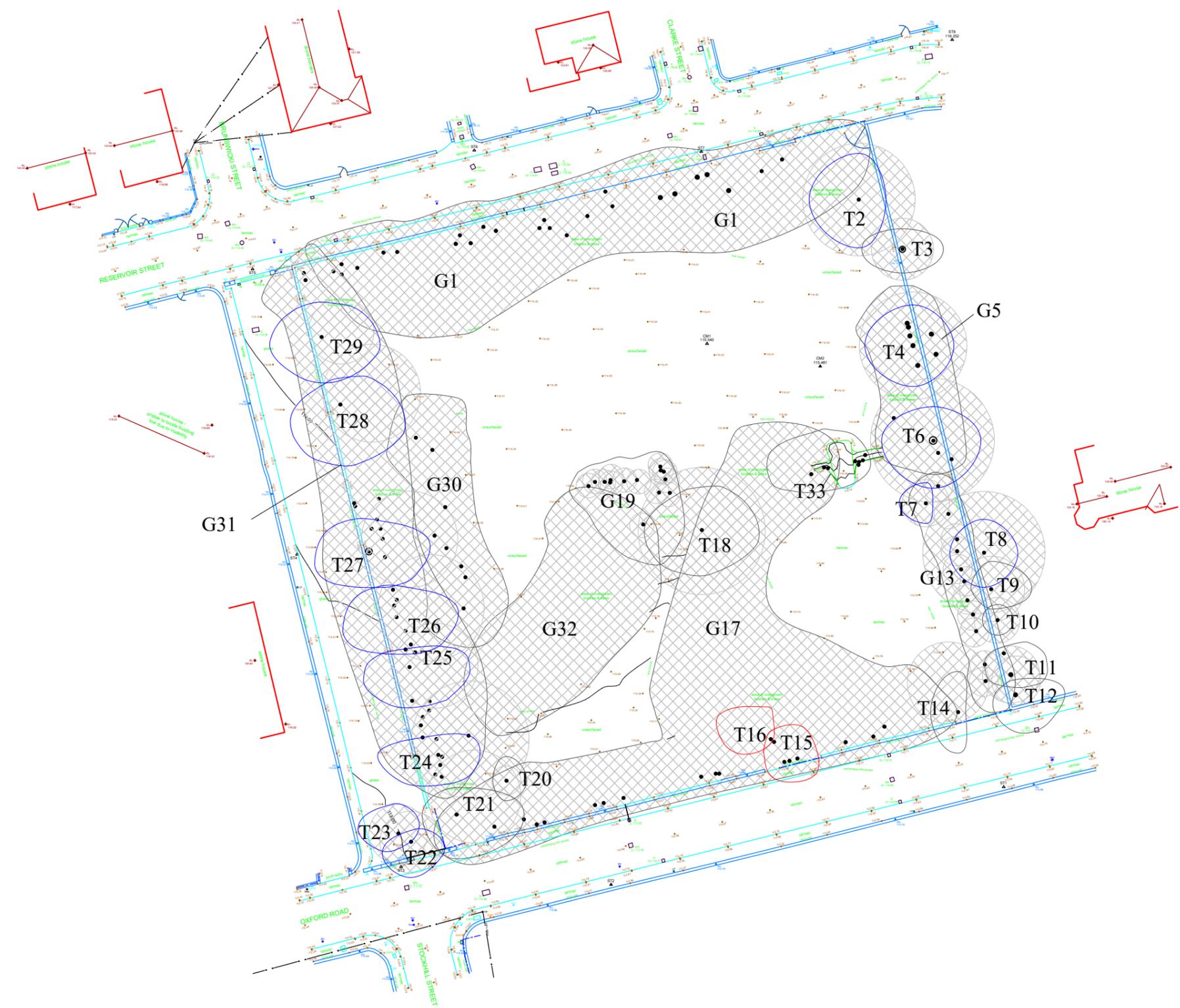
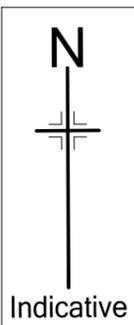
## **Mitigation**

27. There is opportunity within the scheme to plant trees and enhance wildlife potential. A comprehensive landscaping scheme has been commissioned.
28. Any cultivation operations within these RPA's should be undertaken carefully by hand with the use of no heavy mechanical machinery.
29. It should be noted that no compound plan has been provided to comment on. However, it is presumed that it will be located away from any retained tree RPA.
30. It is proposed that a series of mitigation measures should be set in place to improve the soil environment that is used by T26, T27, T28 & T29 for growth.
31. A sub-soil aeration using compressed air should be carried out to help improve the soils health and structure.
32. The soil should be reinstated, within in the existing ground levels, with a good quality free draining topsoil mixed with an organic bulky biochar. A tried and tested specialised topsoil product should be used, such as ARborRaft or TreeSoil.
33. A treatment of mycorrhizal fungi every two years is also recommended.
34. All works within RPA's should supervised by Brooks Ecological.
35. Regular brief reports, including photographs, should be submitted to the Local Council.

## **Trees to be removed**

36. Three groups, sections of two groups and one tree are expected to be removed to facilitate the development.

## **Tree Survey**



**Brooks Ecological**  
Grounded advice

Email: vb@brooks-ecological.co.uk  
Tel No: 01943 884 451  
www.brooks-ecological.co.uk

**DR-6262-01 TREE CONSTRAINTS PLAN**

Site: Land off Oxford Road, Dewsbury.

Paper Size: A2      Scale: 1:500

BS 5837: 2012 Retention Categories

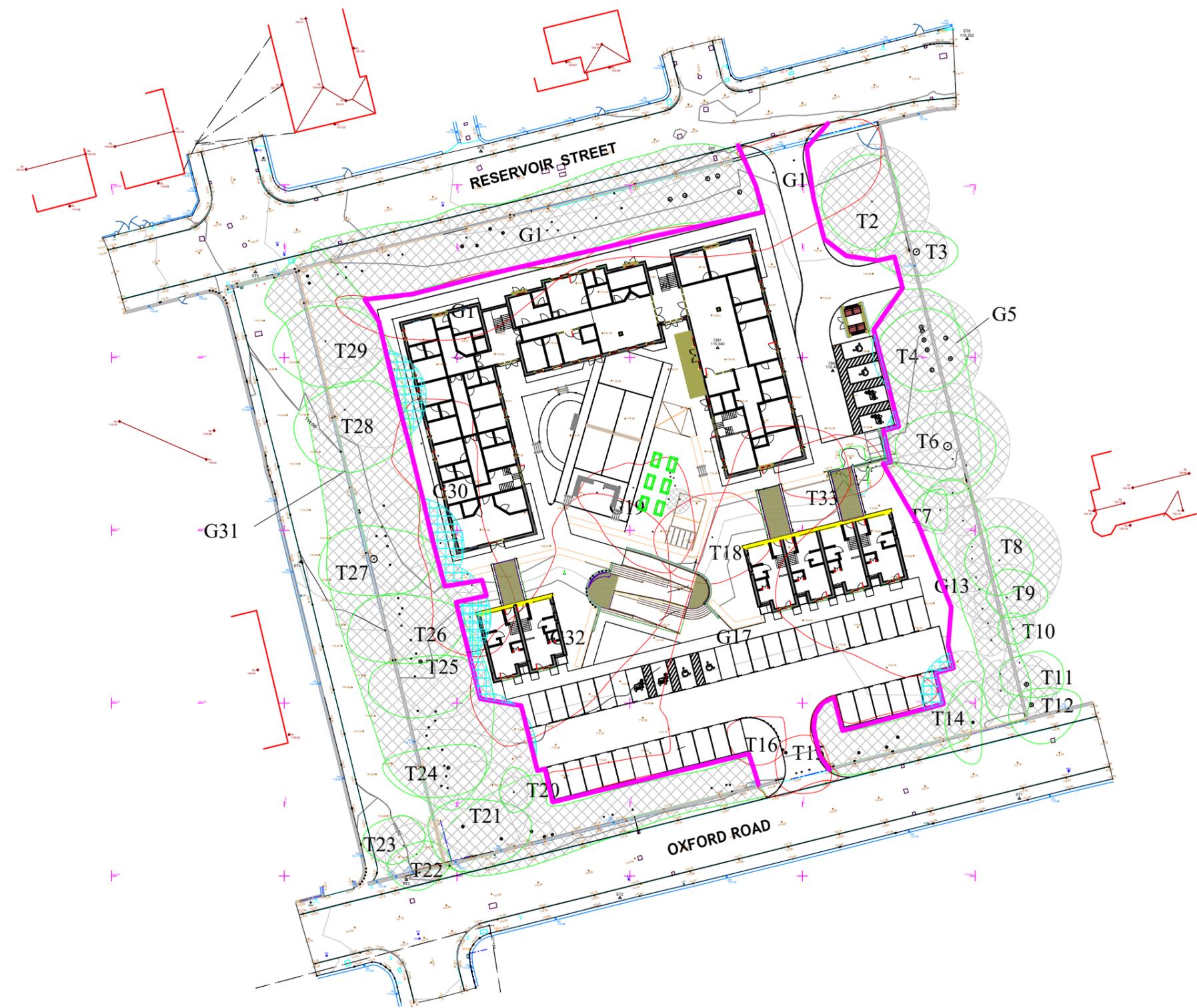
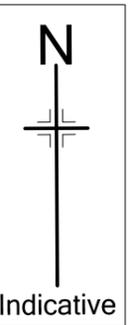
	CATEGORY A
	CATEGORY B
	CATEGORY C
	CATEGORY U
	ROOT PROTECTION AREA
	TREE STEM

Please note:  
The plan is for guidance only  
and should not be scaled from.

The original of this drawing was produced  
in colour - a monochrome copy should not be  
relied upon.



## **DR-6262-02 Tree Protection Plan**



**Brooks**  
Ecological  
Grounded advice

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**DR-6262-02 TREE PROTECTION PLAN**

Site: Land off Oxford Road, Dewsbury.

Paper Size: A2      Scale: 1:500

	Tree to be retained
	Tree to be removed
	Protective fencing in line with BS 5837:2012
	Area of RPA not protected by fencing. Please see paragraphs 11-25 of submitted AIA Ref: 6262-02 for further details.
	ROOT PROTECTION AREA
	TREE STEM

**Please note:**  
The plan is for guidance only and should not be scaled from.

The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

