TREE WORKS NOTES:

All felling and tree surgery is to be carried out by an Arboricultural Association approved contractor. All operations are to be carried out in accordance with BS3998:2010 Recommendations for tree work and N.P.T.C certification guidelines.

METHOD STATEMENT:

Tree felling and surgery works are to be carried out prior to the commencement of main construction works. Once complete, approved hoarding is to be erected around the construction area. This hoarding is to be sited outside the canopy extents of retained trees and is to remain outside the canopies throughout the contract period. This fencing shall not be removed or repositioned without the prior written permission of the LPA.

Under no circumstances should materials, vehicles, equipment, diesel or spoil be stored within the canopy of retained trees. Similarly no excavations for services or other construction activities are to be carried out within the protected zone unless approved in writing from the LPA.

Note;-

- Tree felling should not be undertaken through the months of March to August unless agreed with the local planning authority due to the nesting birds season.

- If the program of works clashes with these dates then any trees in question should be heavily prunned to reduce the chance of nesting during the above months.

- All tree removal and excavation works should be undertaken in accordance with Thomson Arboricultural Survey Report.

Extracted from BS 5837: 2012 Trees in relation to design, demolition and construction- Recommendations

This text has been extracted from the aforementioned guidance document and highlights the key factors when considering trees in relation to demolition and construction. For further information and conformation on protection measures contractors should familiarise themselves with the full document prior to any site works.

Section 3: Terms and definitions

3.5 construction
site-based operations with the potential to affect existing trees.

3.6 construction exclusion zone
area based on the root protection area (3.7) from which access is prohibited for the duration of a project

3.7 Root Protection Area (RPA)
layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability, and where the protection of the roots and soil structure is treated as a priority

Section 4: Feasibility: surveys and preliminary constraints.

4.6 For single stem trees, the RPA (see 3.7) should be calculated as an area equivalent to a circle with a radius 12 times the stem diameter. For trees with more than one stem, one of the two calculation methods below should be used. In all cases, the stem diameter(s) should be measured in accordance with Annex C, and the RPA should be determined from Annex D. The calculated RPA for each tree should be capped to 707 m2.

a) For trees with two to five stems, the combined stem diameter should be calculated as follows:

(stem diameter 1)2 + (stem diameter 2)2 ... + (stem diameter 5)2

b) For trees with more than five stems (not illustrated in Annex C), the combined stem diameter should be calculated as follows:

(mean stem diameter)2 × number of stems

6.1 Arboricultural method statement

6.1.1 A precautionary approach towards tree protection should be adopted and any operations, including access, proposed within the RPA (or crown spread where this is greater) should be described within an arboricultural method statement, in order to demonstrate that the operations can be undertaken with minimal risk of adverse impact on trees to be retained.

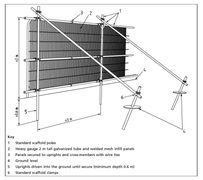
6.2 Barriers and ground protection

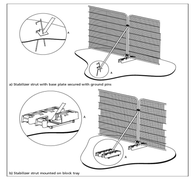
6.2.1 General

6.2.1.1 All trees that are being retained on site should be protected by barriers and/or ground protection (see 5.5) before any materials or machinery are brought onto the site, and before any demolition, development or stripping of soil commences. Where all activity can be excluded from the RPA, vertical barriers should be erected to create a construction exclusion zone. Where, due to site constraints, construction activity cannot be fully or permanently excluded in this manner from all or part of

6.2.2 Barriers

6.2.2.1 Barriers should be fit for the purpose of excluding construction activity and appropriate to the degree and proximity of work taking place around the retained tree(s). Barriers should be maintained to ensure that they remain rigid and complete.





6.2.3 Ground protection during demolition and construction

6.2.3.1 Where construction working space or temporary construction access is justified within the RPA, this should be facilitated by a set-back in the alignment of the tree protection barrier. In such areas, suitable existing hard surfacing that is not proposed for re-use is part of the finished design should be retained to act as temporary ground protection during construction, rather than being removed during demolition. The suitability of such surfacing for this purpose should be evaluated by the project arboriculturist and an engineer as appropriate.

6.2.3.2 Where the set-back of the tree protection barrier would expose unmade ground to construction damage, new temporary round protection should be installed as part of the implementation of physical tree protection measures prior to work starting on site.

6.2.3.3 New temporary ground protection should be capable of supporting any traffic entering or using the site without being distorted or causing compaction of underlying soil.

7.2 Avoiding physical damage to the roots during demolition or construction

7.2.1 To avoid damage to tree roots, existing ground levels should be retained within the RPA. Intrusion into soil (other than for piling) within the RPA is generally not acceptable, and topsoil within it should be retained in situ. However, limited manual excavation within the RPA might be acceptable, subject to justification. Such excavation should be undertaken carefully, using hand-held tools and preferably by compressed air soil displacement.

7.3 Tree protection during demolition

7.3.1 Where demolition is proposed on a site where trees are to be retained, access facilitation pruning should be undertaken as necessary to prevent injurious contact between demolition plant and the tree(s). In some cases, working space may be provided by temporarily tying back tree branches. Pruning or tying should be undertaken in accordance with a specification prepared by an arboriculturist.
NOTE The local authority will be able to advise whether the trees are under statutory protection such that consent for tree works might be required.

7.3.2 When demolishing a structure (including underground structures) within what would otherwise be the RPA, barriers should be erected, and ground protection installed (see 6.2.3), to protect the underlying soil to the edge of the existing structure.

7.3.4 Where trees stand adjacent to structures to be removed, the demolition should be undertaken inwards within the footprint of the existing building (often referred to as "top down, pull back")



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NOTES:
1. Do not scale from this drawing; always work to noted dimensions.
2. Always work to noted dimensions.
3. All dimensions are in millimetres unless otherwise stated.
4. All setting out, levels and dimensions to be agreed on site.
5. The dimensions of all materials must be checked on site before laid out.
6. This drawing must be read with the relevant specification clauses and detail drawings.
7. Order of construction and setting out to be agreed on site.

Planning Boundary

Tree Retention and Removal

Trees to be retained

Trees to be removed

Root protection area

Category A

Category B

Category C

Category U

*Refer to arboricultural report DN0385-TSE-SW-XX-SU-OD-00001 for details.

Revision	Date	Description	Drawn	Apprvd.
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Project Peacock Centre - Gorton

Drg Title Pipewell Avenue - Tree Retention and Removal

Created on	Created by	Approved by
26/05/26	ZG	SPL

Scale	Size	Workstage
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Drg No.	Suitability	Revision
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