

Arboricultural Method Statement

And

Tree Protection Plan

For Proposed Residential Development at



Alyndene, Chester Road, Rossett, LL12 0HN

Prepared for DJ and PE Robson

Drawing Ref DW/CR/R/TS/A

Prepared by:



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1. What I have been asked to do; and what it is for:

To provide arboricultural information including a method statement and tree protection plan to support an initial planning application in relation to trees within and affecting the site.

2. Introduction:

A tree survey has been undertaken. Please refer to the attached:

- Tree survey site plan. The red boundary lines in relation to each tree indicate the calculated distance for the position of the tree protective fencing and root protection area.
- Tree survey data sheet
- BS: 5837 Table 1 Retention Categories

This method statement uses the information set out in **BS 5837 -s7**. The information as below has been completed by the business; with assistance and information obtained from the Client dated **17 Dec 10**.

3. Site description:

The site represents a residential property and garden adjoining the main road with the Church and graveyard on the east boundary and open fields to the north.



The site entrance

It is understood that no **Tree Preservation Order / Conservation area** covers trees on and around the site; if however this is not the case; permission must be sought from the Local Planning Authority [LPA] to carry out tree works to these trees.

4. Description of the proposed development:

Please see clients' architect's drawings

5. Description of trees on site:

The trees are situated around the boundary edge of the garden; they include two sections of hedge and one very mature Horse Chestnut tree, plus two garden fruit trees.

Please refer to the existing tree survey and tree survey data spreadsheet dated: **10.12.10**

6. Summary conclusions:

Trees are required to be felled and removed to accommodate the proposed development.

The trees are in general in fair condition; at closer inspection some previous pruning to mainly the Oaks opposite to the Yew T-09 has not assisted in shaping the trees.

7. Summary recommendations:

- Care should be taken when removing trees / roots adjacent to the Churchyard boundary wall of which trees are growing directly and close to.
- The Client would like to root ball / transplant T-14 the Pear, remove the conifer hedge on the rear garden boundary and re-plant with a native mixed hedge that includes the transplanted Pear tree.
- Inspect the tree house attached to Tree 13 to ensure it is fixed securely.

8. Explanation of BS procedure:

The following sections represent the key points taken from the **BS: 5837 2005 Section 7: Arboricultural Method Statement & Tree Protection Plan.**

9. Trees selected for retention:

T-01, 02, 03, 04, 09, 12, & 13.



T-02 The Lime tree



T-13 the Horse Chestnut tree

10. Trees to be removed:

T-05, 06, 07, 08, 10, 11, Group 1 and Group 2 [All or part of].



Group of trees around T-9 the

Yew tree



Group 1 the conifer hedge

Tree 14 is to be transplanted.



T-14 on the left; to be transplanted

11. The precise location for erection of protective barriers marked as construction exclusion zone:

To follow the tree protective fencing as seen on the site plan as seen as blue lines and arcs. In relation to the retained Yew Tree (T09) this line now follows the boundary wall in order to allow the branches to be protected from the adjoining construction area.

12. Physical means of tree protection:

- 12.1. The tree protective fencing shall comprise of either 2.0m in height weldmesh 'Heras' fencing panels; or 18mm thick exterior grade plywood boards, as seen in the Appendix in section **32** below; either secured using 75mm in diameter wooden stakes driven firmly into the ground, taking into account site exposure, or such alternative as may be agreed in writing by the local planning authority.
- 12.2. If weldmesh panels are used, they should butt together, and be securely fixed to each other including the supporting framework.
- 12.3. No fixings shall be made to trees; and all possible precautions shall be taken to prevent damage to tree roots when securing the posts.
- 12.4. **Warning signs** clearly marked as **Tree Protection Area – Keep Out!** -as illustrated below, need to be placed on the tree protective fencing at spacing's that ensure they are clearly visible from all angles The tree protective fencing should only be removed on completion of all construction works so that no damage to trees,

including the area within the protective fencing occurs.

**TREE PROTECTION AREA
KEEP OUT!**

TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS AND/ OR ARE SUBJECTS
OF TREE PRESERVATIONS ORDER [TOWN & COUNTRY PLANNING ACT 1990]

CONTRAVENTION OF TREE PRESERVATION ORDER MAY LEAD TO CRIMINAL PROSECUTION

THE FOLOWING MUST BE OBSERVED BY ALL PERSONS:

- THE TREE PROTECTIVE FENCING MUST NOT BE REMOVED
- NO PERSONS SHALL ENTER THE PROTECTED AREA
- NO MACHINE OR PLANT SHALL ENTER THE PROTECTED AREA
- NO SPOIL SHALL BE DEPOSITED IN THE PROTECTED AREA
- NO EXCAVATION SHALL OCCUR IN THE PROTECTED AREA
- NO FIRES SHALL BE LIT IN THE EXCLUSION ZONE

**ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE
WRITTEN PERMISSION OF THE LOCAL PLANNING AUTHORITY**

12.5. The business can provide a tree protection site inspection service to inspect the tree protective fencing prior to any demolition and construction works including the storage of materials / site access, as part of an agreed scope of works. Copies of which, can be forwarded to the LPA if required. Please contact the office for further details.

13. Facilitation pruning:

All references to proposed tree surgery work is paragraphed in the attached tree survey spreadsheet (save in relation to Yew Tree (T09) which is covered in section 20.)

14. Areas of structural landscaping to be protected from construction operations to prevent damage to the soil:

Not applicable. There is a small raised shrub border opposite to T-09 [the Yew] containing trees that is to be removed and levelled. The stone church yard boundary wall offers some protection for the Yew tree. It is anticipated that the wall itself will have limited the ingress of the Yew Tree surface roots into the site as evidenced by the lesser amount of branch growth in this direction. In the event that construction work reveals any roots belonging to the Yew Tree then please refer to section 31.

15. Site construction access:

Through the existing site entrance.

16. Contractor's car parking:

Within the existing driveway.

17. Phasing of construction works:

Please refer to the building contractor's timescale when available.

18. Space required for all foundation excavations and construction works including turning circles of heavy plant:

Development may require some craning work. If so, this is to be undertaken from the existing driveway. Please see the client's architects drawings and please allow minimum 500mm for additional areas for trench work.

19. The availability of special construction techniques:

None anticipated.

20. Any trees that require work inside the tree protection zone, where this is the case the following provisions are to be used with reference to s11.1.3 & 9:

There is no particular specification for the tree protection zone of Tree 09 top in relation to its roots because of the existence of the stone boundary wall, (but see section 31), However the tree's canopy will need to be protected and carefully screened at height from the scaffolding on site, to retain the main shape of the canopy. There are a couple of outlying branches of the Yew Tree which extend beyond the main body shape of the canopy which will need to be appropriately pruned back to the extent of the main body.

21. The location and space for all:

A. Service runs	G. Water
B. Foul and surface water drains	H. Electricity
C. Land drains	I. Telephone
D. Soakaways	J. Television
E. Gas	K. Communications cables
F. Oil	L. Other

On the existing information on the availability of site services; it is not anticipated that

any of the above will affect the tree protection areas.

22. Depth and foundation type for driveways:

The existing gravel entrance shown on the site plan is to be removed around the existing entrance with a lock block driveway with appropriate foundation installed. The remaining driveway areas are anticipated to remain as gravel as existing.

23. All changes in ground level, including the location of retaining walls, steps, and making adequate allowance for foundations of such walls and back fillings:

All works are to be constructed to the original ground level.

24. Space for cranes, plant, scaffolding and access during works: Please see section 10 & 12 above.

25. Space for site huts, temporary latrines [including their drainage] and other temporary structures:

These matters are yet to be decided, and the contractor is to be made aware of the requirements to protect the trees on and around the site.

26. The type and extent of landscape works which will be needed within the protected areas and the effects these will have on the root system:

That part of the part of the conifer hedge [Group -02] which runs under the canopy of the tree root protection of T-13 [Horse Chestnut] shall be cut down to down level. The tree roots shall not be grubbed out or cut so as to minimise any disturbance to the adjacent T-13 large mature Horse Chestnut tree.

27. Safe storage of materials:

The developer shall provide / designate an appropriate area for the safe storage of materials which shall be outside the tree protection areas.

28. The effects of slope on the movement of potentially harmful liquid spillages towards or into protected area:

No overall slope on the site. There is a progressive change in ground level running up toward T-13 within the trees protection area; that can be observed either side of the stone church yard boundary wall.

29. Protection of soil structure and tree root activity:

As seen within the tree root protection areas.

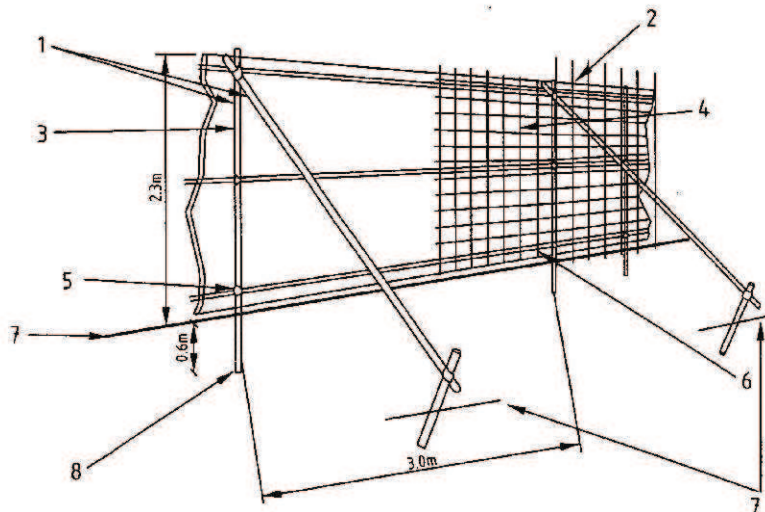
30. Requirements of any supplementary planning guidance:

None provided.

31. Specifications for tree root pruning:

If tree roots greater than 15mm in diameter are located (and in particular it is possible that this will be the case in relation to the Yew Tree (T09)) then they should be cut cleanly using hand tools; so that the tree roots are not pulled or dragged out of the ground using mechanical devices. In the event that substantial tree roots in excess of 40mm are discovered then the Local Authority Tree Officer should be contacted in order to assess whether these roots may be cut, or in the event that they are required for the general health and stability of the tree, whether they should be retained and the foundation construction method should be amended in that area by use of appropriate alternative foundation methods (such as mini piling with raft beams) to protect and retain the said roots.

Appendix One: Tree Protective Fencing Specification:



BS: 5837 2005 Fig 2 Temporary Protective Fencing construction

- 1 Scaffold poles.
- 2 Uprights driven into the ground at a maximum 3.0m spacing with cross members and brace as appropriate.
- 3 Wooden panels secured with wire ties or scaffold clamps where necessary.

- 4 Scaffold clamps
- 5 Wire twisted and secured to inside face of fencing.
- 6 Ground level.
- 7 Scaffold poles driven approximately 0.6m into the ground.

References:

- 1 Information for Safety Sign: <http://www.uksafetystore.com/1091-tree-protection-area-keep-out-sign-or-sticker-with-free-delivery-.html>