

ARBORICULTURAL METHOD STATEMENT

Richmond House, 31 Grosvenor Road, Wrexham

Prepared for:

The Wallich
C/o Peter Barns & Associates

Planning Ref: P/2011/0775
Our Ref: 12/AMS/WXM/83 (Rev B)

15 March 2012

1.0 Introduction

- 1.1 Tree Solutions has been commissioned by The Wallich via Peter Barnes & Associates to prepare a site specific Arboricultural Method Statement (AMS) in order to satisfy and discharge Planning Condition No's 7-10 of Planning Code No. P/2011/0775.
- 1.2 This Method Statement sets out the methodology and protection measures for all works within close proximity to retained trees indicated on the Tree Protection Plan at **Appendix 1**. These are the only trees on and adjoining the site likely to be influenced by the construction of the approved extension to the rear of the existing office with associated resurfacing work to the existing car park. Compliance with this method statement will be a requirement of all relevant contracts associated with the development. Copies of this document will be made available for inspection on site.
- 1.4 Trees to be retained and details including the designated Root Protection Area and location of tree protective fencing are clearly indicated on the Tree Protection Plan ref 12/AMS/WXM/83, Drawing No 1 which is at **Appendix 1** to this report.
- 1.5 The purpose of the AMS is to provide information on protection and control measures affecting the existing tree stock. The works, with applicable methodology, are divided into the sequence of operations at paragraph 5.0:

2.0 STATUTORY CONTROLS

- 2.1 The site falls within a designated Conservation Area and as such the statutory consent of the LPA is required prior to any tree works taking place.

3.0 SITE PLAN

- 3.1 The observations and recommendations contained in this document relate to the Proposed Site Plan Drawing No: 1672 P03 dated 11 October 2011 provided by Peter Barnes & Associates Architects.
- 3.2 The method statement should be read in conjunction with the enclosed Tree Protection Plan, which is based upon the above drawing.
- 3.3 This method statement is not to be used as an Arboricultural Impact Assessment, survey data has been taken from the submitted and approved tree report ref: PBA 1672 (DR) 111011 undertaken by David Rose Forestry. Tree numbers have been changed within the Tree Protection Plan to include those marked for retention.

4.0 DEVELOPMENT IMPACT ON TREES

There are 2 principal impacts on trees from the proposed construction works as detailed below:

- 1 Construction of three storey extension to western elevation of existing building
- 2 Resurfacing of existing hard standing car park within RPA of tree numbers 3 & 4

5.0 SEQUENCE OF OPERATIONS

From commencement of the above development, the following methodology shall be implemented in the manner and sequence described:

1. Pre-contract site meeting
2. Tree Surgery Works
3. Erect temporary protective fencing for construction of extension
4. Main construction phase
5. Realign temporary protective fencing for removal of bound surface within RPA of tree numbers 1, 3 & 4

6. Removal of bound surface within RPA of tree numbers 1, 3 & 4
7. Installation of block pavements with RPA of tree number 1, 3 & 4
8. Removal of temporary fencing

1. Pre-Contract Site Meeting

To outline working methods in relation to trees prior to any construction activity on site, a site meeting of the following shall take place:

1. Client
2. Main Contractor
3. Tree Solutions
4. LPA Tree Officer

2. Tree Surgery Works

1. Before the erection of the temporary protective fencing, all approved tree removal shall be implemented in accordance with the approved plan submitted by Peter Barnes & Associates
2. All possible efforts must be made to prevent damage to retained trees including potential root incursion or compaction caused by vehicle access.
3. All arboricultural works shall conform to the recommendations of BS 3998 (2010) 'Recommendations for Tree Work'
4. All operatives shall be equipped with and use personal protective equipment (PPE) in accordance with current Health & Safety Executive current directives and industry codes of practice.
5. Performance of all arboricultural operations and use of equipment shall be in accordance with current Health & Safety Executive current directives and industry codes of practice.

3. Erect temporary protective fencing for construction of extension

1. Following completion of the tree felling and prior to commencement of any site demolition, construction, preparation, excavation or material deliveries the main contractor shall erect the temporary protective fencing as detailed in the 'Tree Protection Specification' and in the location indicated on the Tree Protection Plan.
2. Tree Solutions are to be given 5 days written notice as soon as all protective fencing has been erected in order to inspect the specification and location. An inspection report will be completed and returned to the LPA Tree Officer for approval. Any damage occurring to protective fencing during the demolition or construction phase shall be made good by the main contractor

4. Main Construction Phase

1. There shall be no storage of construction material, site parking, site accommodation or equipment in any area designated as the Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) and enclosed by Temporary Protective Fencing
2. No materials that are likely to have an adverse effect on tree health such as oil, bitumen or cement will be stored or discharged within 10 metres of the trunk of a tree that is to be retained. No fires will be lit.
3. The site agent shall supervise deliveries by self-loading crane, with vehicles positioned in such a manner that retained trees are not at risk of damage.

Avoiding Damage to Stems and Branches

- Care shall be taken when planning site operations in proximity to trees to ensure that wide or tall loads or plant with booms, jibs and counterweights can operate without coming into contact with retained trees. Such contact can result in serious injury resulting in safe retention impossible

On Site Storage of Spoil/Building Materials & Cement Mixing

- Prior to and during all site construction works no spoil will be stored and no cement mixing will take place within the Root Protection Area of any tree on or adjacent to the site even if proposed site work is to be within the crown spread. Any encroachment within this protected area will only be with the prior agreement of the LPA Arboricultural Officer

5. Realign temporary protective fencing for removal of bound surface within RPA of tree numbers 1-4

1. Temporary protective fencing to be re-located to the position indicated on the Tree Protection Plan to allow for the removal of the existing tarmac bound surface and shall remain in-situ until all works are complete.

6. Removal of bound surface within RPA of tree numbers 1 - 4

Wrexham County Borough Council Tree Officer to be given written notice of the date that the works will be undertaken and photographic evidence will be submitted to the by the supervising arboriculturist of all works being undertaken in accordance with the AMS.

The following steps shall be taken when breaking out any bound surface:

1. The existing concrete edge restraint as indicated on the Tree Protection Plan is to remain in situ and to form the new edge to the proposed block paviours
2. No excavation below the existing wearing course is to be undertaken
3. All works to be carried out under the direct supervision of Tree Solutions.
4. Breaking-out shall be by hand, avoiding damage to the protective bark covering larger roots. Excavation will be carried out using pickaxes rather than pneumatic equipment.
5. Roots, whilst exposed, shall be wrapped in dry, clean Hessian sacking to prevent desiccation and to protect from rapid temperature changes. Roots smaller than 25mm diameter and roots bound to arisings shall be pruned back preferably to a side branch, by use of a sharp saw or secateurs. Roots larger than 25mm shall only be severed following consultation with the LPA Tree Officer and Tree Solutions.
6. No machinery shall pass over the surface once broken-out. Arisings shall be picked and removed by manual means.
7. Prior to backfilling any Hessian wrapping shall be removed and retained roots shall be surrounded in at least 35mm of sharp sand or other loose granular fill before any other material is replaced.
8. Protective fencing shall be realigned to surround the newly exposed surface until such a time as the ground is finally re-surfaced.

7. Installation of block paviours with RPA of tree number 1, 3 & 4

1. Paviours are to be laid directly on top of existing sub-base and butted up to the retained concrete edge restraint that forms the edge of the landscaped area to the western boundary
2. Paviours are to be laid by hand with no machinery passing over the exposed sub-base
3. Cement mixing shall be undertaken outside the RPA of all trees

8. Remove all Temporary Tree Protective Fencing

1. Tree Protective fencing will only be removed upon completion of all construction work and once all machinery associated with the works has left site.

TREE PROTECTION SPECIFICATION

The Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) enclosed by temporary protective fencing shall:

1. Be erected prior to any demolition works, delivery of site accommodation or materials and shall remain for the duration of construction works.
2. Preclude all construction activity with the sole exception of specified arboricultural works and as such works as have been agreed by all parties and to be carried out under supervision.
3. Be protected by temporary protective fencing and other measures as specified.
4. Preclude the storage or tipping of all materials and substances, in addition, toxic substances such as fuels, oils, additives, cement, or other deleterious substances within 5.0 meters of an exclusion zone.
5. Clearly legible weatherproof signage, stating "Protected Trees – Exclusion Zone" shall be attached to the fencing 1.5m from the ground, facing out of the Tree Protection Zone located at regular intervals along the fence line.
6. Other than works detailed within this method statement or approved in writing by the Local Planning Authority (LPA), no works including storage or dumping of materials shall take place within the exclusion zones defined by the protective fencing.
7. Any incursion into the Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) must be by prior arrangement, following consultation with the LPA

Temporary Protective Fencing Type

The fence types are shown on the Tree Protection Plan with the following colour key:-

1. **Magenta** - 2.0M high heavy duty rhino panels (with extra central support bar) mounted on scaffold poles (driven in to the ground) and secured with anti tamper bolts – as illustrated below.



Example of Tree Protective Fencing Specification

ARBORICULTURAL SITE SUPERVISION

- 1 The erection of all tree protection measures outlined in this AMS and as indicated on the Tree Protection Plan will be inspected by Tree Solutions immediately after erection. Photographic evidence of the location and specification of all protective fencing will be forwarded to the LPA Tree Officer upon completion.
- 2 Tree Solutions shall be on site supervising all breaking out and removal of the existing hard standing within the RPA of tree numbers 1, 3 & 4. A site supervision form with photographic evidence will be completed after each visit and sent to the LPA for approval.
3. As agreed with WCBC, Peter Barnes & Associates will be responsible for digitally recording the tree protective fencing, on a monthly basis thereafter for the duration of all construction works on site. Photographic evidence of the location and specification of all protective fencing will be forwarded to the LPA Tree Officer upon completion of each visit.

Useful Contacts

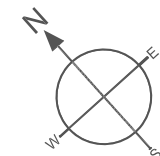
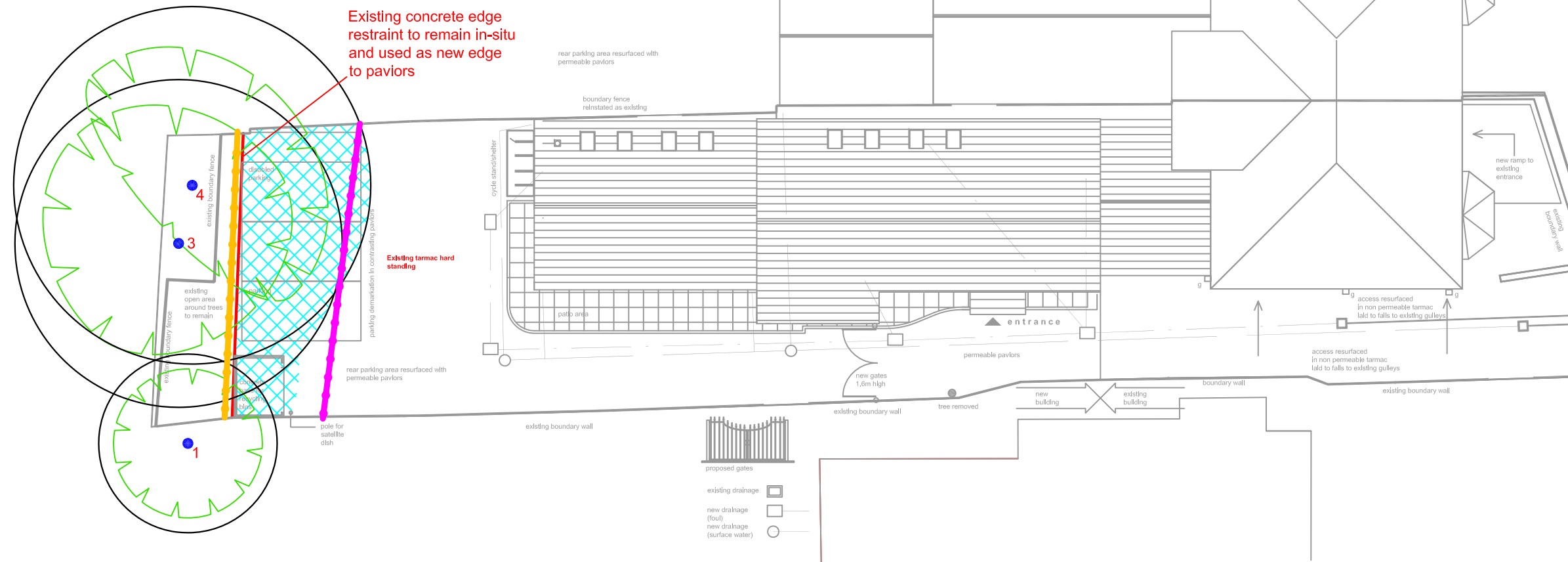
Arboricultural Consultant

Name: Alistair Henderson (Tree Solutions)
Tel: 01244 389114
Mobile: 07766 774508
Email: alistair@tree-solutions.co.uk

LPA Arboricultural Officer

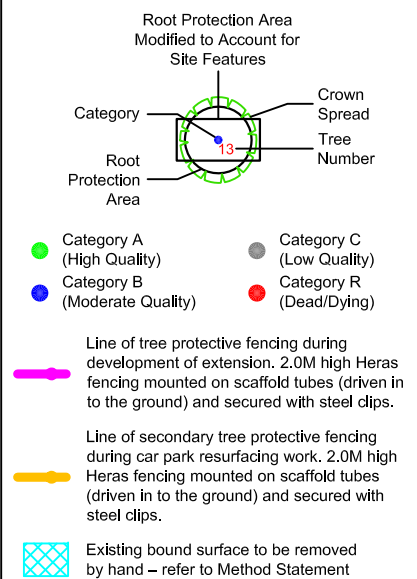
Name: Moray Simpson
Tel: 01978 292529
Email: moray.simpson@wrexham.gov.uk

Appendix One
Tree Protection Plan



A scale bar with two segments. The first segment is labeled '5m' and the second segment is labeled '10m'.

Legend



Client: The Wallich

Project:
Richmond House, 31 Grosvenor Road, Wrexham

Title: Tree Protection Plan

Scale: 1:200 @ A3	Date: January 2012
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Drawn By: LI	Revision: -
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Job Ref:	Drawing No:
12/AIA/WXM/83	01

Do not scale from this drawing all dimensions to be checked on site.

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Appendix Two
Site Supervision Form

ARBORICULTURAL SITE SUPERVISION

Planning Ref No.
 Developer:
 Site Address:
 Site Agent:
 Visit Date:
 Arboricultural Supervisor:

Site Supervision

Was all Tree Protective Fencing in place? Yes ☐ No ☐

Was any debris noticed within Total Exclusion Zones? Yes ☐ No ☐

Are any special works scheduled for the coming building period? Yes ☐ No ☐

Details:

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Are any amendments proposed to plans? Yes ☐ No ☐

Details:

.....

Signed:

Signed:

(For and on behalf of Tree Solutions)

(For and on behalf of developer or main contractor)

Circulation:

Tree Solutions	
Developer Head Office	
Site Agent	
Local Planning Authority	
Architect	

ARB REF:

Appendix Three

Tree Protection Sign



**PROTECTIVE FENCING. THIS
FENCING MUST BE
MAINTAINED IN ACCORDANCE
WITH THE APPROVED PLANS
AND DRAWINGS FOR THIS
DEVELOPMENT.**



**TREE PROTECTION AREA
KEEP OUT !**

**(TOWN & COUNTRY PLANNING ACT 1990)
TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY
PLANNING CONDITIONS AND/OR ARE THE SUBJECTS OF A
TREE PRESERVATION ORDER.
CONTRAVENTION OF A TREE PRESERVATION ORDER MAY
LEAD TO CRIMINAL PROSECUTION**

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