

Arboricultural Method Statement

Redevelopment of Land off Kingsmills Road (Former Hightown Flats), Wrexham

Prepared for:

Anwyl Construction Company Ltd

Planning Ref: P/2011/0854

Our Ref: 12/AMS/WXM/91 (Rev C)

12 June 2012

1.0 Introduction

- 1.1 Tree Solutions has been commissioned by Anwyl Construction to prepare a site specific Arboricultural Method Statement (AMS) in order to satisfy and discharge Planning Condition No 9 of Planning Code No. P/2011/0854 - Land at Kingsmills Road (site of Hightown Flats), Kingsmills Road, Hightown, Wrexham, LL13 7YB.
- 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 housing development. 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/91, 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 4.0:

2.0 STATUTORY CONTROLS

- 2.1 No trees are subject to a Tree Preservation Order and the site does not fall within a designated Conservation Area. Trees indicated for retention are however protected by planning condition which prevents them being felled without the prior written consent of the LPA.

3.0 SITE PLAN

- 3.1 The observations and recommendations contained in this document relate to the approved site layout plan drawing no: 6846/L(9)01 Rev C dated 29/03/2012 undertaken by ISP Architects Ltd.
- 3.2 The method statement should be read in conjunction with the enclosed Tree Protection Plan, which is based upon the above drawing.

4.0 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
4. Main construction phase
5. Removal of temporary fencing
6. Landscaping within RPA of trees

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 | 3. Tree Solutions |
| 2. Main Contractor | 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 plans
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

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

4. 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 and Building Materials

5. 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. Remove all Temporary Tree Protective Fencing

1. Tree protective fencing will only be removed following written consent from the LPA upon completion of all construction work and once all machinery associated with the works has left site.

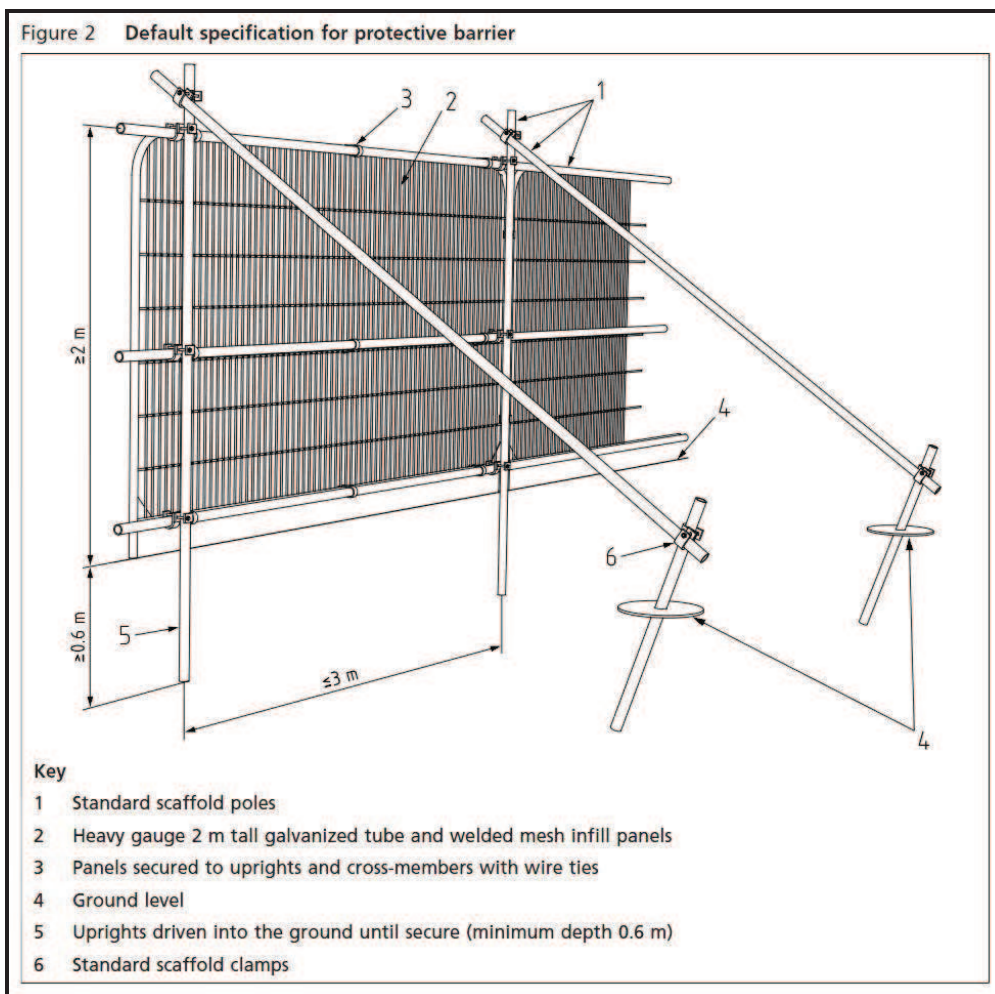
6. Landscaping within RPA of Trees

1. Landscaping works will be implemented in accordance with a scheme approved by Wrexham County Borough Council
2. There shall be **no rotovation** of ground within any area designated as a Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) and enclosed by Temporary Protective Fencing.
3. No hard landscaping works or excavation for cables or any other service should be installed within the Root Protection Area (RPA) and Construction Exclusion Zone (CEZ) without the written consent of Planning Service.

TREE PROTECTIVE FENCING

- 1 Before the commencement of any works on site (other than those set out in the schedule of tree works contained in this document), protective fencing will be erected as detailed on the Tree Protection Plan and as specified below. The LPA Tree Officer will be given 5 days notice upon completion of the fencing in order to inspect and approve prior to the commencement of any site works.
- 2 The fencing will consist of a scaffold framework in accordance with BS 5837 – 2012 (illustration below) comprising a metal framework, both vertical and horizontal, well braced to resist impacts. Vertical tubes will be spaced at a maximum interval of 3m. Onto this, weldmesh panels shall be securely fixed with wire or scaffold clamps. Weldmesh panels on rubber or concrete feet are not considered resistant to impact and for this reason will not be used. The site manager or other suitably qualified appointed person will be responsible for inspecting the protective fencing on a daily basis; any damage to the fencing or breaches of the fenced area will be rectified immediately.
- 3 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.
- 4 The fencing will remain in place until completion of all site works and then only removed when all site traffic is removed from site.
- 5 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.

Protective Fencing Detail



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 will undertake monthly supervision of all tree protection measures during all construction work which is scheduled to plots adjacent to trees marked for retention. This supervision will continue until all works have been completed and building material/plant has been removed from the area. Photographic evidence and a supervision form will be completed upon each visit and emailed to the LPA for their approval.

Useful Contacts

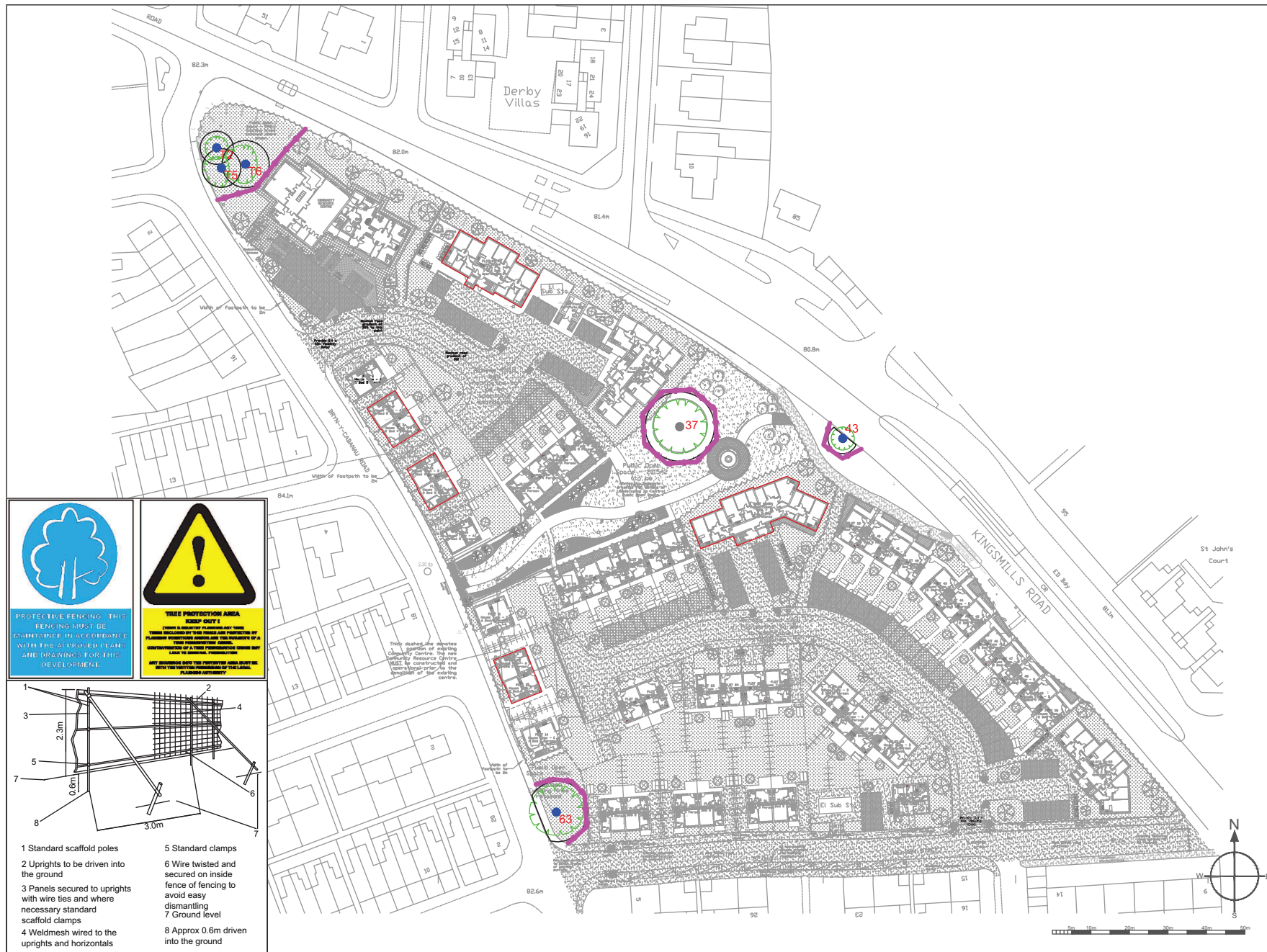
Arboricultural Consultant

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LPA Arboricultural Officer

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Appendix One
Tree Protection Plan



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

TREE PROTECTION AREA - KEEP CLEAR!

THESE ARE PROTECTED TREES AND ARE NOT TO BE CUT DOWN OR REMOVED. ANY WORK TO BE DONE TO THESE TREES MUST BE APPROVED BY THE LOCAL PLANNING AUTHORITY.

1 Standard scaffold poles
2 Uprights to be driven into the ground
3 Panels secured to uprights with wire ties and where necessary standard scaffold clamps
4 Weldmesh wired to the uprights and horizontals

5 Standard clamps
6 Wire twisted and secured on inside fence of fencing to avoid easy dismantling
7 Ground level
8 Approx 0.6m driven into the ground

Legend

Root Protection Area
Modified to Account for
Site Features

Category

Root Protection Area

Crown Spread

Tree Number

Tree Protection Fencing

Category A
(High Quality)

Category B
(Moderate Quality)

Category C
(Low Quality)

Category R
(Dead/Dying)

Client:	
Wrexham County Borough Council	
Project:	
Demolition of Hightown Flats, Bryn-Y-Cabanau Road, Wrexham	
Title:	
Tree Protection Plan	
Scale:	Date:
1:1000 @ A3	June 2012
Drawn By:	Revision:
LI & AM	C
Job Ref:	Drawing No:
10/AMS/WXM/51	03
Do not scale from this drawing all dimensions to be checked on site.	
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Appendix Two
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**