

# Tree Protection Plan & Arboricultural Method Statement

17 Sudbrook Gardens, Richmond TW10 7DD

Date: 6<sup>th</sup> December 2024

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## Report Verification

This method statement has been undertaken in accordance with British Standard 5837:2012 "Trees in relation to design, demolition and construction - Recommendations".

## Disclaimer

The contents of this report are the responsibility of Wassells Arboricultural Services Ltd. It should be noted that, whilst every effort is made to meet the client's brief, no site investigation can ensure complete assessment or prediction of the natural environment.

Wassells Arboricultural Services Ltd accepts no responsibility or liability for any use that is made of this document other than by the client for the purposes for which it was originally commissioned and prepared.

## Validity of Data

The findings of this AMS are valid for a period of 18 months from the date of the statement. If works have not commenced by this date, an updated site visit and AMS may be required and should be carried out by a suitably qualified and experienced Arboriculturist to assess any changes to the site and trees.

It should be noted that trees are dynamic living organisms that are subject to natural changes as they age or are influenced by changes in their environment. As such following any significant meteorological event or changes in the growing environment of the trees they should be re-assessed by a suitably qualified and experienced arboriculturist.

### Abbreviations:

RPA = root protection area

CEZ = construction exclusion zone

CWA = construction working area (including materials storage)

AMS = arboricultural method statement

AS = Arboricultural Supervision

TPF = tree protection fencing/hoarding/barrier

## **Arboricultural Method Statement**

### **Pre-commencement of project**

- A pre-commencement site meeting is to be arranged by the site manager to ensure all tree protection measures are in place as described below
- The above meeting should involve local planning authority tree officer, site manager and project arboricultural consultant
- Cross-reference to the site Demolition and Construction Management Plan is required to ensure tree protection is correctly and adequately managed

### **Demolition Phase**

#### **Excavation within RPA of Retained Trees**

- When excavating for the new slab closest to tree T006, if any roots are encountered they shall be severed as below
- All roots of 50mm and above in diameter shall be properly severed with a suitable pruning saw and removed to enable construction.

#### **Tree Protection Barriers & Construction Exclusion Zone**

- Tree protection fencing (TPF) is to be erected prior to starting on site as part of the initial site start up and is to be retained until completion of the project. Where it is required to move TPF this shall be done under supervision from site AS prior to moving
- Tree protection fencing shall be as per specification type 2 with driven fence posts as support for the panels if decided.
- Notices as shown in addendum 2 below are to be erected on all tree protection panels as information for construction staff

#### **Ground Protection of Existing Surfaces within Root Protection Area (RPA) of Nearby Trees**

- Ground protection for retained trees is shown hatched on the TPP and shall remain in place until project completion.
- Excavation within this area is not allowed
- Ground protection to be 20mm plywood boarding secured as necessary

## Access Facilitation Pruning & Tree Surgery/Removal Works

As required by Pre-development Arboricultural Survey and Report – WAS 225-2024 REV A

### Tree work to be carried out to the following standards and guidelines:

- BS 3998:2010 Recommendations for Tree Work
- Tree pruning cuts will be carried out using the 'Natural Target Pruning' technique as defined by: *BS 3998:2010 section 7.2.5 and Fig. 2 The Pruning of Trees, Shrubs and Conifers: George E. Brown & Tony Kirkham – 2<sup>nd</sup> edition revised & enlarged 2004 and Section 3.1.27 of The Arboricultural Association Specification for Tree Works June 2008.*
- Crown clean involves removal of dead, diseased & dying wood from tree crown, thinning of overcrowded crown, and removal of Ivy and all epicormic growth within crown including stem & basal epicormic growth.

### Site Access and Construction Working Area (CWA)

- CWA is all areas of site outside of tree protection barriers and the CEZ

### Site Storage and Accommodation

- Not within the CEZ
- Designated area to be agreed with AS if required

### Installation of Services

- New service routes will be carefully considered using the AS below to advise on the protection of nearby trees prior to commencement on site

## Arboricultural Supervision (AS)

- AS shall be required during work within and adjacent to the RPA of retained trees. It must be undertaken at regular intervals with a written record of the meetings maintained with suitable photographic record in support.
- The AS must include a pre-construction commencement site visit, to be arranged by the Site Manager under instruction from Architects, and thereafter at specific events that affect the retained trees on site to enable sign-off by the AS.
- The schedule of specific events are typically as follows:
  1. Erection of tree protection fencing/barrier
  2. Installation of ground protection to retained trees whose RPA are affected by the CWA
  3. Start of Excavation/piling of foundations within the RPA of retained trees
  4. Tree pruning requirements to prevent crown damage from construction activity
  5. Start of Excavation/installation of paths, roads and car parking within RPA of retained trees
  6. Installation of underground services within the RPA of retained trees
  7. Tree condition survey on completion of construction work

## Conclusion

Provided the recommendations shown above and the methodology for protection of any retained trees are followed, there will not be an effect on the current or future condition of those trees that are retained as part of this scheme.

## Declaration

This AMS is written and checked by Richard Wassell of Wassells Arboricultural Services Ltd. and provided without prejudice as an objective and professional assessment of the trees and site conditions described.

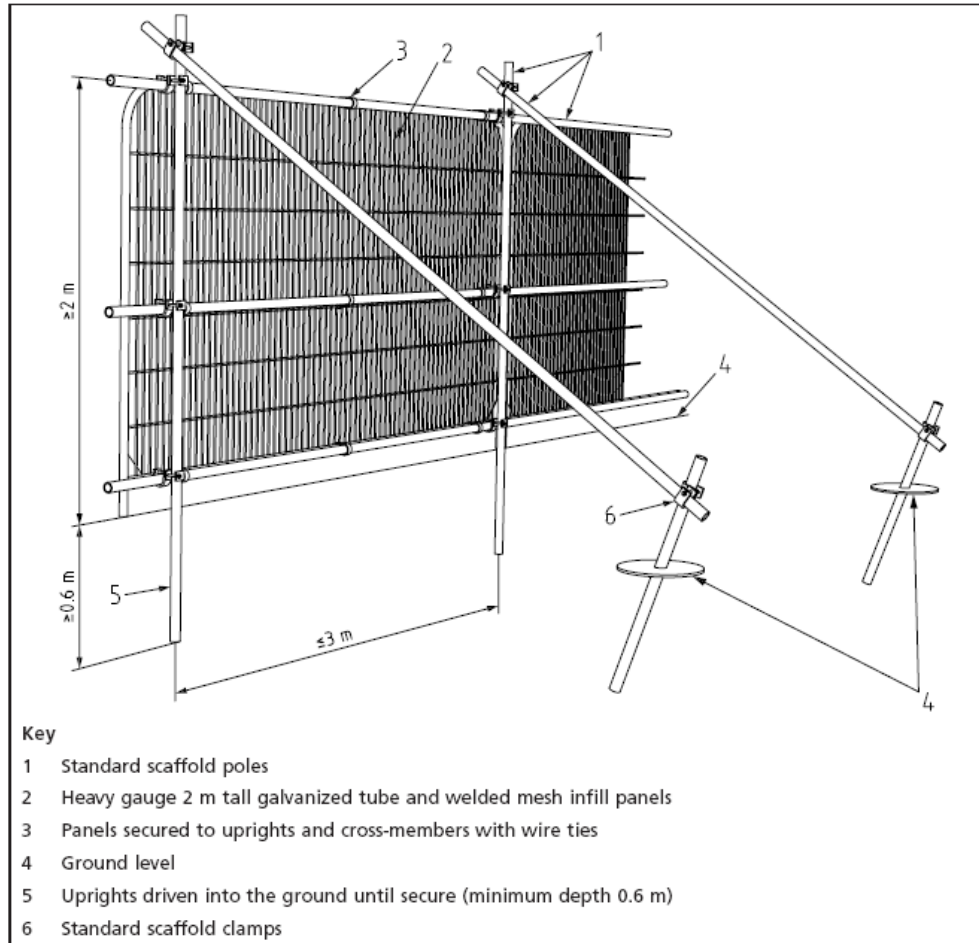
Signed: *R.J. Wassell* Date: *06.12.MMXXIV*

**Richard Wassell. Director**

**CHort MCIHort MARborA NDArb (RFS) Kew Diploma NEBOSHlevel3**

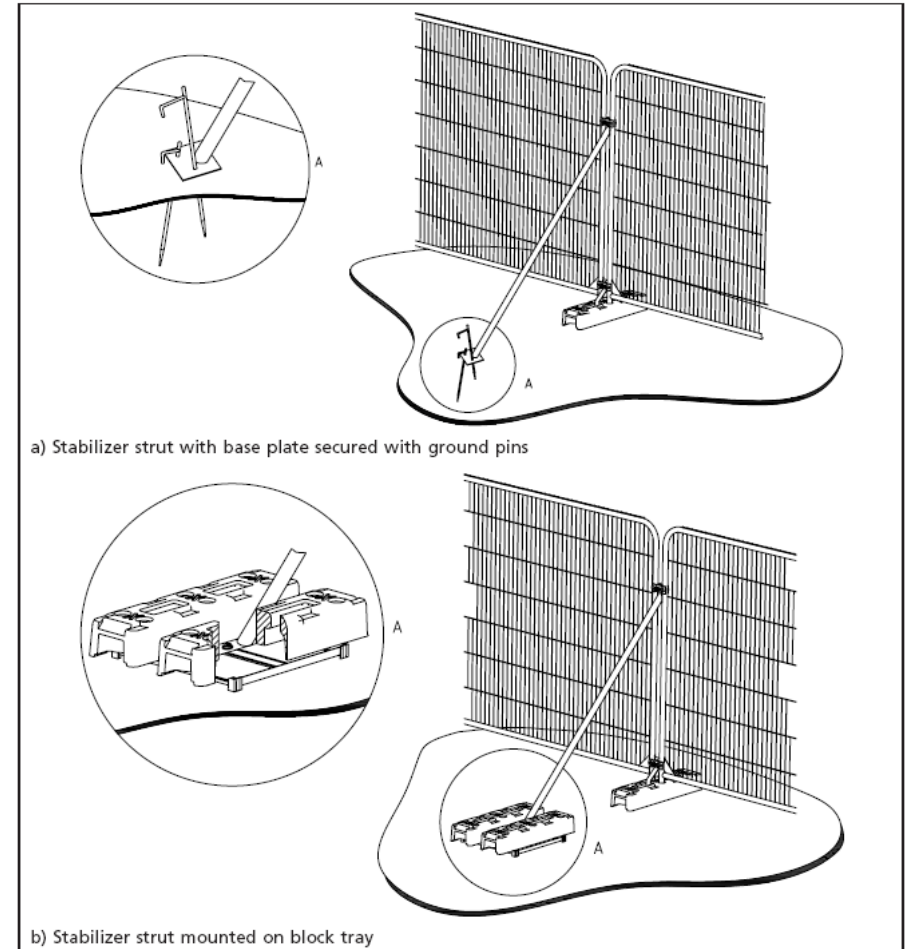
## BS5837:2012: FENCING SPECIFICATIONS

Figure 2 Default specification for protective barrier



**TYPE 1 - using scaffolding and welded mesh**

Figure 3 Examples of above-ground stabilizing systems



**TYPE 2 - using standard Heras fencing panels**

**CONSTRUCTION  
EXCLUSION ZONE  
NO ACCESS**

**\*\*PLEASE REPORT IMMEDIATELY ANY DAMAGE TO TREES OR FENCING TO THE SITE MANAGER\*\***



## SITE MONITORING VISITS

Supervision Visit No:	Details	Lead in Time Required	Action
<b>Visit 1: Pre-Development Site Inspection</b>	<ul style="list-style-type: none"> <li>To include Site Agent briefings prior to demolition &amp;/or construction phase.</li> <li>To confirm position of protective fencing and that it has been erected in accordance with AMS</li> <li>To check any pre-demolition/construction ground protection is in place.</li> <li>To check any tree works have been undertaken in accordance with this AMS</li> <li>Determine if further tree work is required and seek required permission if necessary.</li> <li>To check site facilities/access are in accordance with the AMS</li> </ul>	Minimum 2 weeks	Issue a brief report with findings to Architect, Tree Officer and Main Contractor within 5 days of site supervision visit
<b>Visit 2: Installation of foundations/piling within RPA</b>	<ul style="list-style-type: none"> <li>Attend any excavation within RPA's where arboricultural supervision is prescribed by the AMS to ensure work is undertaken in accordance with its specification.</li> <li>Date to be confirmed following formal project planning.</li> <li>2 weeks prior notice required.</li> </ul>	Minimum 2 weeks	As per Visit 1
<b>Visit 3: Resurfacing operations within RPA</b>	<ul style="list-style-type: none"> <li>Attend resurfacing operations within RPA's where arboricultural supervision is prescribed by the AMS to ensure work is undertaken in accordance with its specification.</li> <li>Date to be confirmed following formal project planning.</li> <li>2 weeks prior notice required.</li> </ul>	Minimum 2 weeks	As per Visit 1
<b>Ongoing Monitoring Visits</b>	<ul style="list-style-type: none"> <li>Periodically during 12 months (or longer) of entire project and <u>prior to construction phase</u>.</li> <li>Visits will be based on intensity of site operations, but at a minimum of monthly visits.</li> <li>Attend site at least once per month to confirm protective measures are still in place / can be removed at appointed times. Ensure attendance is timed for any other key elements of proposed (and any other unplanned) incursions into the protection areas.</li> <li><u>Pre-start landscape meeting</u> with main contractor to confirm ongoing tree protection measures.</li> </ul>	TBC as project develops	As per Visit 1
<b>Final Site Visit - Completion of construction phase supervision visit</b>	After it has been confirmed that the construction phase is complete, allow removal of temporary protective fencing and ground protection. Specify any remedial work if necessary.	Minimum 2 weeks	As per Visit 1 and provide signed arboricultural checklist

## Site Monitoring Report Sheet

<b>Client:</b>		<b>Planning Ref:</b>	
<b>Local Authority:</b>		<b>Date:</b>	
Site Address:			
Proposal:			
<b>Visit Checklist</b>	<b>Y/N</b>		<b>Y/N</b>
Tree protection barrier (TPB) in place		TPB as per approved	
Ground protection (GP) in place		GP as per approved	
TPB / GP breached		Trees damaged	
Site Agent briefed by Wassells			
Wassells briefed by Site Agent			
LPA informed			
Remedial action required			
<b>Comments</b>			
<b>Recommendations</b>			
<b>Outcome</b>			
1			
2			
3			
4			

**Arboricultural Supervision Sign off Checklist**

Tree No (s)	Project Phase	Task	Date Completed	Signed (Project arboriculturist)	Signed (Site Manager)
	<b>Pre-commencement</b>	Pre-commencement site meeting to include site manager briefing )			
	<b>Pre-commencement</b>	Confirm the location and specification of the protective measures is in accordance with AMS & Tree Protection Plan (TPP)			
	<b>Pre-commencement</b>	Confirm any tree works have been undertaken in accordance with this AMS and determine if further tree work is required			
	<b>Pre-commencement</b>	Seek required permission for further tree works if necessary.			
	<b>Installation of any new services</b>	Attend any excavation within RPA's where arboricultural supervision is prescribed by the AMS to ensure work is undertaken in accordance with NJUG provisions or other specification.			
	<b>Demolition</b>	Demolition of hard surfaces/ structures within RPA. Confirm position of any additional temporary ground protection and that temporary ground protection is in accordance with AMS.			
	<b>Completion of Demolition</b>	Sign off of the demolition phase			
	<b>Construction</b>	Supervised manual excavation of foundations			
	<b>Construction</b>	Installation of 'No Dig' hard surfacing			
	<b>Construction</b>	Additional excavations (if required)			
	<b>Completion of Construction</b>	Completion of construction			
	<b>Post Construction</b>	Removal of machinery and materials from site			
	<b>Post Construction</b>	Dismantle & removal of protective measures			
	<b>Landscaping</b>	Completion of Landscaping			
	<b>Project Completion</b>	Sign off from project arboriculturist			