

RIBA Stages 5 & 6

A Report To: Vistry Homes Ltd Southern
Report Number: RT-MME-159905-01-Rev B
Date: June 2023



Report Verification

Report Version	Date	Completed by:	Checked & Approved by:
Final	17/03/2023	Dean Moore Dip Arb TechArborA Senior Arboricultural Consultant	
Revision A	24/03/2023	Dean Moore Dip Arb TechArborA Senior Arboricultural Consultant	Duncan Smith BSc (Hons) MArborA Arboricultural Manager
Revision B	28/06/2023	Andrew Hastings FdSc Arboriculture MArborA Arboricultural Consultant	Dr James Hildreth BSc (Hons) CEnv MCIEEM Executive Director

Declaration of Compliance

This study 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 Middlemarch. 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.

Middlemarch 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 study are valid for a period of 12 months from the date of survey. If works have not commenced by this date, an updated site visit should be carried out by a suitably qualified and experienced arboriculturist to assess any changes to the trees, groups, and hedgerows on site and to inform a review of the conclusions and recommendations made.

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.

This Arboricultural Method Statement has been produced following a review of a fixed approved development layout for the site based on data provided by the client. The methods of work described herein will be a requirement of all relevant contractors associated with the development proposals.

On Site Monitoring Regime & Contact Details

All operations detailed within this AMS will be monitored by the Principal Contractor. The Principal Contractor will ensure that specifications within this document are followed (this will be built into the contract specification) and that the Project Arboriculturist will be contacted for advice in relation to works near to retained trees, as required by Condition 6 The Project Arboriculturist for the site is:

Name: Andrew Hastings Position: Arboricultural Consultant

Mobile: 07485 903943 Email: andrew.hastings@middlemarch.eco

Action	Project Arboriculturist Attendance Required
	✓ ✗
Pre-commencement site meeting / toolbox talk / induction	✓
Audit timetable	✓
RIBA Stage 5 - Enabling Works (Demolition)	
Tree Surgery	✓
Site set up and logistics	✓
Establishment of Demolition Exclusion Zone	✗
Topsoil Stripping / Subsoil Regrading	✓
Demolition of Structures and Removal of Hard Surfaces	✗
RIBA Stage 5 - Main Works (Construction)	
Establishment of Construction Exclusion Zone	✓
Permanent Ground Protection Measures	✓
Construction of Structures within the RPA / CEZ	✗
Working space to construct new buildings within RPAs	✗
Installation of utilities within RPAs	✓
RIBA Stage 6 – Handover and Close Out	
Removal of tree protection measures	✓
Tree Safety Assessment for handover	✓

Responsibilities

It is the responsibility of the Principal Contractor to ensure that the planning conditions attached to the planning consent are always adhered to and that a monitoring regime regarding tree protection is adopted on site. Appendix B - Arboricultural Monitoring and Supervision Statement, demonstrates the structure and format of reporting that would be completed by the Project Arboriculturist.

As part of this reporting process, it is recommended that a minimum of 5 days notification to LPA is made prior to any works within the RPAs of retained trees by the Principal Contractor/Client, and that the Project Arboriculturist produces and issues audit reports and supervision reports no later than 5 days following any audit or supervision visit. The address for submission of reports is planning@eastleigh.gov.uk.

The Principal Contractor/Client will be responsible for contacting the Local Planning Authority should any issues be raised related to the trees on site and will produce the schedule of supervision work visits and audit visits in liaison with the Project Arboriculturist, and in line with the sequencing and timings of the phases for the development.

If pruning works to trees beyond the agreed scope within this Method Statement are required at any time, then permission must be sought from the Local Planning Authority prior to commencement. All tree surgery works must be carried out in accordance with BS3998.

The Principal Contractor will ensure the build sequence is appropriate to ensure that no damage occurs to retained trees during the construction processes. Protective measures will remain in position until completion of the construction phase of development and will only be removed to allow the commencement of soft landscaping works.

The protection measures and signs will always be maintained in position and checked daily by a designated person on site under the responsibility of the Principal Contractor.

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1. Introduction

1.1 Project Background

This Arboricultural Method Statement was commissioned by Vistry Homes Ltd Southern to accompany a planning application following planning consent for residential and commercial development at Boorley Gateway in Hampshire. A survey of the trees on site and within influencing distance of the boundaries was undertaken on the November 2018 as part of a Preliminary Arboricultural Assessment (PAA) to aid design and avoid unnecessary tree removal.

An Arboricultural Impact Assessment (AIA) was subsequently undertaken to identify the potential impact of the development on the existing trees surveyed during the PAA in accordance with British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction - Recommendations' (hereafter referred to as BS5837).

Planning Consent for development (application reference 12/71514) was granted, subject to Condition 6 which states:

"No excavation, demolition or development related works shall take place on site until a arboricultural monitoring and supervision statement has been submitted to and approved in writing by the Local Planning Authority. The approved statement must be adhered to in full and may only be modified subject to written agreement from the Local Planning Authority. This condition may only be fully discharged upon completion of the proposed development, subject to submission of monitoring reports as set out in the statement."

This Arboricultural Method Statement has been compiled to provide the information necessary to discharge Condition 6 and RIBA Stage 5 including:

- Audit schedule
- Specific tree protection measures
- Specific tree-friendly construction operations
- Tree pruning specification
- Arboricultural Clerk of Works (ACoW) supervision

1.2 Site Description, Drawings and Appendices

Attribute	Description
National Grid Reference	SU 5047 1506
Topography	Undulating ground, sand bunkers and a mix of hard and soft landscaping.
Tree Cover	Scattered trees, hedgerows, groups of trees and several woodlands are present across the site forming significant landscape and cultural features that can be viewed from afar.

Attribute	Description
Drawings attached	Tree Survey Plan – C129668-01-01 Tree Retention Plan – C129668-02-01-RevB Tree Protection Plan – C159905-01-01_2706_Main Build Tree Protection Plan – C159905-01-02_2706_Pedestrian walkway/cycle path
Appendices	Appendix A – Tree Schedule. Appendix B – Arboricultural Monitoring and Supervision Statement. Appendix C – Tree Protection Fencing Sign

Table 1.1: Summary of Site and Surroundings

1.3 Approved Development

The approved development to a mixed use and assisted living elements of the masterplan, comprising 933 sqm of employment floorspace (B1), a 378 sqm convenience foodstore (A1 Use Class), 389 sqm of flexible retail floorspace (A1/A2/A3) and 67 residential units for older persons (C3 Use Class) with associated parking, landscaping, drainage, road infrastructure and pedestrian and cycle links.

The application under consideration is for the development of mixed-uses under the extant outline planning permission for Boorley Green granted November 2013 (ref: O/12/71514). The proposals comprise:

- 933 sqm of light industrial units.
- 767 sqm of retail floorspace.
- 68 units (C3) of assisted living accommodation.
- Associated parking.
- Associated cycle parking.
- Associated refuse storage.
- Associated landscaping.

The proposed development has been designed so that safe and healthy existing trees are retained wherever possible and that those trees to be retained are not significantly impacted upon by the development.

1.4 Documentation Provided

This statement is based upon the information provided by the client, in addition to information collected by Middlemarch during the Preliminary Arboricultural Assessment, as detailed below.

Author	Document	Drawing Number	Date
Survey Solutions	Topographical Survey (14 sheets)	10633cv-01 to 10633cv-14 inclusive	Dec 2011
MJA Consulting	Engineering Layout Sheet 1	6663-MJA-SW-XX-DR-C-001 C3	11/02/2022
MJA Consulting	Combined Services Layout	6663-MJA-SW-XX-DR-C-751-REV P2	04/10/2022

Table 1.2: Documentation Provided

2. Statutory Designation

2.1 Tree Preservation Order and Conservation Area Protection

A desk-based study was undertaken to identify if any of the trees present within or near the site are affected by statutory constraints as detailed below.

Statutory Constraint	Present		Source	Details
	✓	✗		
TPO		✗	Eastleigh Borough Council via email 2 nd November 2018	None present.
Conservation Area		✗	Eastleigh Borough Council website	None present.
Ancient Woodland		✗	Multi Agency Geographical Information for the Countryside (MAGIC)	None present.

Table 2.1: Summary of Statutory Constraints that Affect the Site

Where a tree preservation order, conservation area or ancient woodland applies to trees within the assessment area, statutory constraints will apply to the development in respect of trees.

No works must be undertaken on the protected trees without prior permission from the Local Authority unless authorised as part of an approved planning application. Works include pruning, topping, lopping, uprooting or wilful damage or wilful destruction of these trees. Any proposed pruning works not currently approved will need to be fully specified and agreed within a future planning application.

2.2 Protected Species

Bats

Mature trees often contain cavities, hollows, peeling bark or woodpecker holes which provide potential roosting locations for bats. Bats and the places they use for shelter or protection (i.e. roosts) receive European protection under The Conservation of Habitats and Species Regulations 2017 (Habitats Regulations 2017)¹. They receive further legal protection under the

¹ HM Government – The National Archives (2017) [online] The Conservation of Habitats and Species Regulations 2017. Available at: <https://www.legislation.gov.uk/ukSI/2017/1012/contents/made>

Wildlife and Countryside Act (WCA) 1981², as amended. Consequently, causing damage to a bat roost constitutes an offence.

Generally, should the presence of a bat roost be suspected whilst completing works on any trees on site then an appropriately licensed bat worker should be consulted for advice.

Birds

Trees offer potential habitat for nesting birds which are protected under the Wildlife and Countryside Act (WCA) 1981, as amended. Some species (listed in Schedule 1 of the WCA) are protected by special penalties. This legislation makes it an offence to intentionally or recklessly damage or destroy an active bird nest or part thereof.

As the trees on, and adjacent, to the site provide potential habitat for nesting birds all tree work should ideally be completed outside the nesting bird season (Generally March to September).

If this is not possible then the vegetation should be subject to a nesting bird inspection by a suitably experienced ecologist prior to commencement of works. If any active nests are identified then the vegetation, and a defined buffer zone, will need to remain in place until the young have naturally fledged.

² HM Government – The National Archives 2017. *Wildlife and Countryside Act 1981*. [online] Available at: <http://www.legislation.gov.uk/ukpga/1981/69/contents>

3. Arboricultural Method Statement

3.1 Introduction

The following sections of this report detail the specific protection measures, working methodologies and pruning requirements to be adopted as part of the demolition and construction phases of the project.

The principal contractor must ensure that they read and understand all of the following sections prior to commencement of site occupation.

Pre-commencement site meeting and site inductions

A pre-commencement site meeting involving the Project Arboriculturist and Principal Contractor will be undertaken at the beginning of the Enabling Works Phase, Main Construction Phase, Post Construction Phase.

Details of tree protection and methods of working around trees will be included within site inductions to new members of site staff. A copy of this document and the related Tree Protection Plan will be kept on site and referred to by operatives working near retained trees.

Monitoring/Audits

An inspection audit will be implemented by the Project Arboriculturist once the protective measures have been installed and prior to site occupation to ensure they provide the level of protection required for retained trees. Feedback will be provided to the Local Planning Authority Arboricultural Officer on completion of this visit and monthly audits of the tree protection measures will be undertaken by the Project Arboriculturist to ensure they remain in position and fit for purpose. Appendix B Arboricultural monitoring and supervision statement outlines the format and procedure to be undertaken for this project.

Use of Subcontractors

The Principal Contractor will be responsible for ensuring sub-contractors do not carry out any process or operation that is likely to adversely impact upon any retained tree. If any issues arise in relation to the retained trees the Project Arboriculturist will be contacted for advice.

3.2 Enabling Works

Tree Work

All tree work should conform to BS3998:2010 and be completed prior to the installation of the tree protection measures and site occupation by demolition or construction contractors.

Tree/ Group Reference	Species	BS5837 Category	Retained	
			✓	✗
T171	Hornbeam	C		✗
T172	Hornbeam	C		✗
G181	Mixed Species	C		✗

Tree/ Group Reference	Species	BS5837 Category	Retained ✓ ✗
G173*	Lombardy Poplar	C	✗
Key: *: Partial removal of trees within group.			

Table 3.2: Trees to be Removed or Pruned

In addition to the proposed tree removal, there are areas on site where it may be necessary to undertake access facilitation pruning works to retained trees to minimise the potential for accidental branch damage to occur during construction. As the phases of construction evolve, there will be a requirement to prune vegetation where it overhangs proposed highways and footways to provide adequate clearance for construction works and later pedestrian and vehicular use. Until these have been constructed, it would be difficult to predict the nature of these works.

As such, a tree works schedule should be compiled once the project commencement date has been announced and the methodology of works submitted by the Contracts Manager. Additionally, the Consortium must consider the long-term facilitation pruning requirements throughout the phased build program which is predicted to be a five to seven-year plan.

Site Setup, Compound, Materials Storage and Vehicle Parking

The site compound is to be located outside of the RPAs of retained trees and its establishment is unlikely to result in harm to retained trees. The location of the site compound is shown on the Construction Environment Management Plan produced by Vistry Homes Ltd Southern.

Topsoil Stripping / Subsoil Regrading

Topsoil stripping and regrading of subsoils will not occur within the CEZ of any retained tree. Stored soil created from topsoil stripping will not be stored within any Construction Exclusion Zone.

Where regrading works are to be carried out within the RPAs of retained trees, these must be supervised by the Project Arboriculturist. No machinery must be located or stored within the RPAs of retained trees and all work must be carried out from the perimeter of RPA, working towards the trees where necessary in a precautionary manner. The spoil created from these works will not be stored within the RPA. Uncovered roots need to be assessed by the Project Arboriculturist. If deemed necessary, minor roots (<25 mm in diameter) uncovered by the works shall be pruned using clean, sterilised pruning saw or secateurs, leaving as small a pruning wound as possible. If a major root (>25 mm in diameter) is found, then works will be redesigned to accommodate any large roots found.

3.3 Main Works (Construction)

Construction Exclusion Zone

Protective barriers will be positioned to define the Construction Exclusion Zone (CEZ). Signs will be installed on the barriers to inform site contractors of the importance of the tree protection measures and no works that cause physical damage to retained trees, compaction of the soil or severance of tree roots will occur within any exclusion zone. The extent of the CEZ encompasses the Root Protection Area (RPA) and / or tree canopy, whichever is the greatest.

No works, including storage of construction materials shall take place within the Construction Exclusion Zone as defined by the protective barriers.

The proposed location of the protective barriers surrounding the CEZ is identified on the Tree Protection Plan – Stage 1 Protection Fencing for Main Build, attached. The barriers will remain in place until completion of the demolition phase and will be adjusted as required to form the Construction Exclusion Zone (CEZ) prior to the next phase.

Permanent and Temporary Ground Protection Measures

Permanent ground protection (no-dig cellular confinement system) will be utilised to construct the proposed cycle way and footpath diversion route which passes through the Construction Exclusion Zones of retained trees. Tree Protection Plan – Stage 2 Protection Fencing for the installation of the pedestrian/cycle path, attached, located the areas of ground protection and no dig works. All temporary ground protection shall support the expected loads in accordance with Structural Engineers recommendations to avoid permanent compaction and soil.

The new areas of hardstanding to be installed within the Root Protection Area (RPA) are illustrated on the Tree Protection Plan this is for the provision of new foot paths. All new hardstanding within the RPA of retained trees will be installed according to a no-dig construction methodology, as detailed below:

1. Prior to works commencing, the areas of 'no-dig' hardstanding will be marked out.
2. The existing ground cover and vegetation present within the area will be carefully stripped / trimmed.
3. The exposed soil will be covered with a permeable geotextile membrane. The geotextile layer shall be laid in accordance with manufacturer's recommendations and temporarily retained with pins, stakes, or weights.
4. A cellular confinement system will then be installed and fixed in position in accordance with the manufacturer's recommendations. The cellular confinement system used should be specified by the manufacturer or engineer, appropriate for weight capacity required.
5. The cellular confinement system will then be filled with the manufacturer's specified aggregate.
6. All plant movements involved in filling the cellular confinement system with aggregate shall be undertaken while supported by the filled system.
7. The infill aggregate will then be lightly rolled or whacked to ensure cohesion with the cellular confinement system.
8. The desired permeable and gas porous finished surface shall then be installed.

All works to install new hardstanding according to no-dig methodology shall be carried out under supervision of the Project Arboriculturist.

Installation of utilities within RPAs

The installation of new subterranean utilities will require works within the Root Protection Areas of retained trees. The proposed excavation works will be completed using an Airspade and soil vacuum excavator to prevent damage to root systems of retained trees and will be supervised by the Project Arboriculturist. The following methodology must be adhered to:

1. The route of the proposed trench shall be determined in discussion with the Project Arboriculturist and marked out on site.
2. Pruning of lower branches to provide clearance for the vacuum excavator will be undertaken by a suitably qualified and experienced tree surgeon under supervision of the Project Arboriculturist prior to commencement of the works. **Permission may be required for trees covered by Statutory Protection.**
3. Upon commencement of the works, the aim will be to excavate the soil along the route of the proposed service trench to a suitable depth to permit the installation of new pipes beneath the network of retained roots (typically 750 mm below ground level) whilst retaining as many tree roots as feasible.
4. Whilst roots smaller than 25 mm in diameter may be pruned back to permit access for the vacuum excavator nozzle / utilities, roots larger than 25mm in diameter will be retained.
5. All exposed roots must be wrapped or covered with damp hessian or similar material, as soon as possible, to prevent desiccation and to protect them from rapid temperature changes.
6. Once the trench is complete the proposed service can be inserted into the trench through or below the network of retained tree roots.
7. Prior to backfilling all root coverings shall be removed and retained roots shall, where possible, be surrounded with topsoil and lightly compacted sharp sand, or other loose inert granular fill, before soil or other suitable material is replaced into the excavated area. The fill material shall be free of contaminants and other foreign objects potentially injurious to tree roots.

Works will not occur where the ambient air temperature is less than 4 °C. Roots shall be temporarily recovered with soil where the ambient temperature exceeds 14 °C or completion of the works is not foreseen within 24 hours of the finished excavation. Appendix F states the dates of the supervision for the installation of the utilities, supervision must be undertaken for all works within the RPA of retained trees.

3.4 Post Construction Works

Removal of Protective Barriers

Protective barriers will be removed once all external main construction works have been completed to allow the completion of hard and soft landscaping. Barriers shall be removed carefully to ensure no damage to retained trees occurs.

Hard Landscaping

Hard landscaping works that have the potential to cause physical damage to retained trees, compaction of the soil or severance of tree roots shall not occur within the precautionary zones (RPA / canopy) unless under supervision of the Project Arboriculturist. Any hard landscaping

works taking place within the precautionary zones surrounding retained trees should be completed in accordance with this AMS following advice from the Project Arboriculturist.

No unsupervised works or storage of hard landscaping construction materials shall occur within the Precautionary Zones (former CEZ).

Soft Landscaping

All soft landscaping within the exclusion zone will be undertaken by hand and in accordance with BS8545³.

A 500 mm radius from any tree stem will remain uncovered by turf or other planting to allow penetration of water and air into the soil. A propriety mulch will be applied to a depth of 100mm to inhibit weed and growth, reduce groundwater evaporation, resist and mitigate soil compaction, reduce maintenance requirements and act as a slow-release fertilizer.

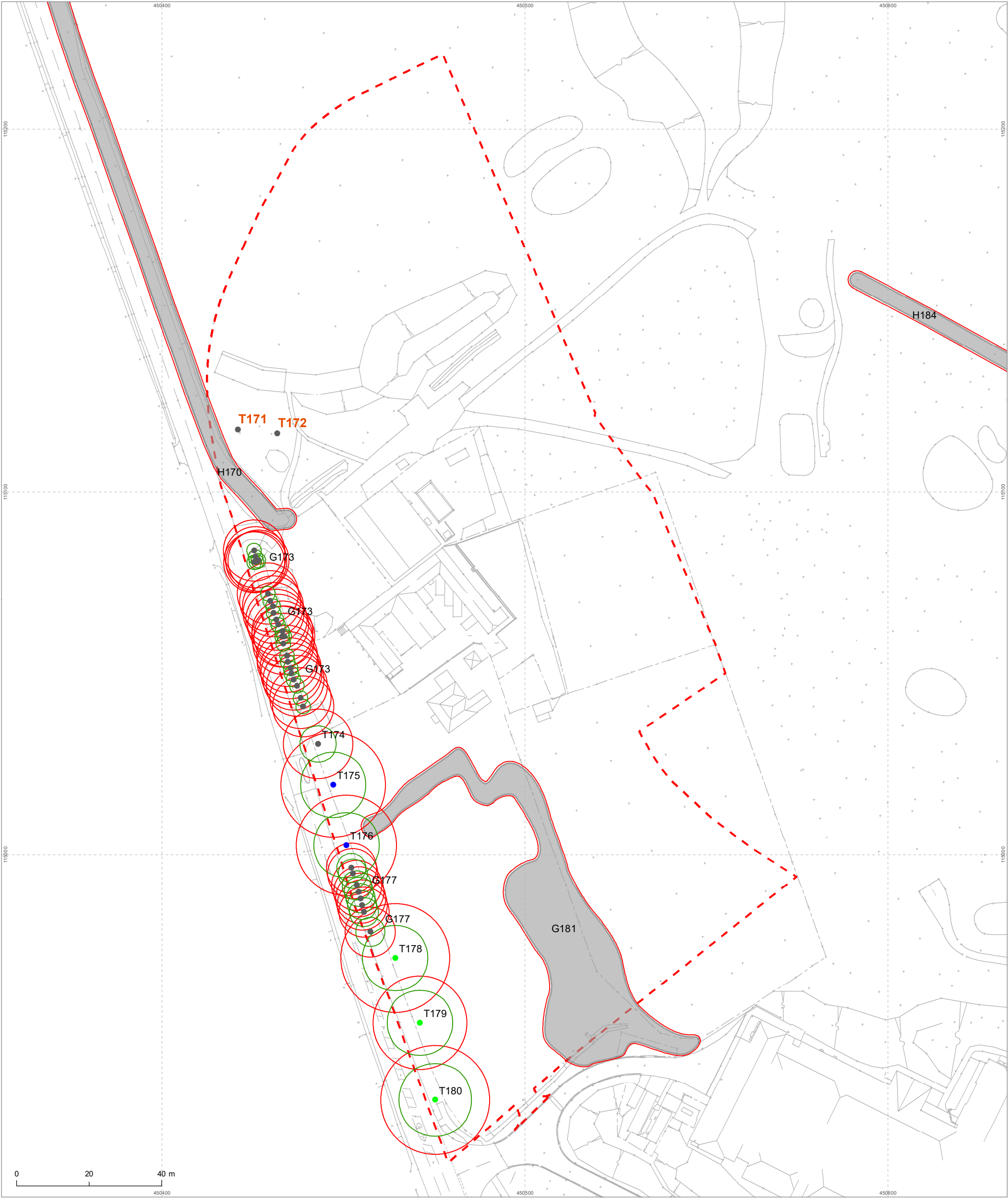
3.5 Handover and Close Out

Tree Safety Assessment

A tree safety assessment will be required prior to handing over the site to the client for final site use to ensure all retained trees are in good condition and any potential hazards are mitigated sufficiently. All retained trees should positively contribute to the new development and should be included as part of a management plan to ensure the long-term safety of site users.

This BS5837:2012 survey is not a full or thorough assessment of the health and safety of the trees on or adjacent to the site; and therefore, it is recommended that detailed tree inspections are undertaken on a regular basis with the express purpose of complying with the landowner's duty of care to satisfy health and safety requirements.

³ British Standards Institution. (2014). *British Standard 8545:2014, Trees: from nursery to independence in the landscape – Recommendations*. British Standards Institution, London.



Legend

Layer

●

Category A tree

●

Category B tree

●

Category C tree

—

Current canopy extent

—

Root protection area

■

Category C group

Site boundary

T00

Previously removed tree

Project		Non-Residential Phase, Land at Boorley Green, Boorley	
Drawing		Tree Constraints Plan	
Client		Boorley Green Development Consortium	
Drawing Number	C129668-01-01	Revision	00
Scale @ A3	1:1000	Date	December 2018
Approved By	MK	Drawn By	RP/CD

MIDDLEMARCH ENVIRONMENTAL

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Drawing based on proposed CAD "CONS 160608 SL01_GC RevA.dwg" and "X SMA Roundabout - final.dwg" supplied by the client.

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C129668-01-01



- Legend**
- Category A tree
 - Category B tree
 - Category C tree
 - Root Protection Area
 - Current canopy - tree to be retained
 - Current canopy - tree to be removed
 - Category C group
 - Category C group to be removed
 - 'No dig' methodology
 - Ground protection
 - Stage 2 Tree Protection Barrier (BS5837: 2012)
 - Stage 1 protection fencing (BS5837: 2012)
 - Proposed services
 - Site boundary

NOTES

All dimensions to be verified on site. Do not scale this drawing, use figured dimensions only. All discrepancies to be clarified with Project Arboriculturist. Drawing to be read in conjunction with Preliminary Arboricultural Assessment and Tree Schedule.

The positions of trees and their current crown spread, root protection area and shade pattern (where appropriate) have been shown on the Tree Survey Plan.

All survey data is based on a topographical survey where possible, supplied by the client.

Where topographical information has not identified tree positions or Ordnance Survey mapping has been utilised, trees have been positioned using GPS and aerial photography to provide approximate locations in relation to existing surrounding features. Further confirmation of tree and hedgerow locations through a topographical survey of the site is recommended to ensure future design accuracy.

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The exact position of individual trees or species included as part of a tree group, woodland or hedgerow should be checked and verified on site prior to any decisions for foundation design, tree operations or construction activity being undertaken.

Further survey work would be required for calculating foundation depths in accordance with current Building Regulations requirements.

Trees are living organisms that change over time, the condition of all trees illustrated herein, are to be checked by the Project Arboriculturist should works commence 12 months after the date of this survey.

TREES INCLUDED DURING THE ASSESSMENT MAY BE SUBJECT TO STATUTORY CONSTRAINTS. IT IS THEREFORE ADVISED THAT NO WORKS SHOULD BE UNDERTAKEN TO ANY TREES ILLUSTRATED HEREIN WITHOUT FIRST OBTAINING THE RELEVANT AUTHORISATION TO DO SO UNLESS AGREED AS PER THE APPROVED PLANS THROUGH PLANNING CONSENT.

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Project	Boorley Gateway, Hampshire		
Drawing	Tree Retention/Protection Plan		
Client	Vistry Homes Ltd Southern		
Drawing Number	C129668-02-01-RevB	Revision	Rev B
Scale @ A3	1:1,000	Date	June 2023
Approved By	AH	Drawn By	JR
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C129668-02-01-RevB



- Legend**
- Tree location and stem diameter
 - Category A tree
 - Category B tree
 - Category C tree
 - Category C tree to be removed
 - Category C tree to be removed
 - Root protection area
 - Current canopy - tree to be retained
 - Current canopy - tree to be removed
 - 'No dig' methodology
 - Ground protection
 - Site access
 - Stage 2 Tree Protection Barrier (BS5837: 2012)
 - Site boundary
 - Proposed services

NOTES

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Project	Boorley Gateway, Hampshire		
Drawing	Stage 2 Protection Fencing for the Installation of the pedestrian/cycle path		
Client	Vistry Homes Ltd Southern		
Drawing Number	C159905-01-02	Revision	00
Scale @ A3	1:1,000	Date	June 2023
Approved By	AH	Drawn By	JR
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C159905-01-02

Tree No.	Species	No. Stems	Diam (mm)	H't (m)	Branch Spread (m)				Min Crown Clearance (m)	Age	Vigour	Struc Cond	Cat	Comments	Preliminary Management Recommendations
					N	E	S	W							
H170	Hawthorn	-	<u>200</u>	<u>2</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>0.0</u>	M	F	F	C	- Roadside hedgerow. - Ivy on stem. - No access.	-
T171	Hornbeam	-	-	-	-	-	-	-	-	-	-	-	-	Tree removed.	-
T172	Hornbeam	-	-	-	-	-	-	-	-	-	-	-	-	Tree removed.	-
G173	Lombardy poplar	1	700	22	2.0	2.0	2.0	2.0	1.5	M	F	F	C	- Soil tacked on golf course side of trees. - Ivy present. - Poor pruning wounds.	-
T174	Oak	1	<u>800</u>	<u>8</u>	<u>5.0</u>	<u>5.0</u>	<u>5.0</u>	<u>5.0</u>	<u>2.0</u>	M	F	F	C	- Pollarded stump. - Ivy present. - No access.	-
T175	Oak	1	<u>1200</u>	<u>16</u>	<u>9.0</u>	<u>9.0</u>	<u>9.0</u>	<u>9.0</u>	<u>1.5</u>	M	F	G	B	- Dieback. - Ivy present. - Located off site. - No access. - In decline.	-
T176	Oak	1	1150	16	9.0	9.0	9.0	9.0	0.5	M	F	G	B	- Ivy present. - Roadside tree. - Old pruning wound. - Telephone wires running through.	-
G177	Lombardy poplar	-	570	19	4.0	4.0	4.0	4.0	0.0	M	F	F	C	- Ivy present. - Roadside tree. - Deadwood. - Telephone wires running through.	-
T178	Oak	1	1360	20	9.0	9.0	9.0	9.0	0.5	M	G	G	A	- Veteran potential. - Hanging deadwood. - Telephone wires running through.	-
T179	Oak	1	1070	11.4	9.0	9.0	9.0	9.0	0.5	M	G	G	A	- Tear on lower limb on eastern side - Hollow cavity	-
T180	Oak	1	1350	15	10.0	10.0	10.0	10.0	0.5	M	G	G	A	- Street lamp and pavement at base. - Deadwood.	-

Table 3.3 : Results of Arboricultural Survey (continues)

Tree No.	Species	No. Stems	Diam (mm)	H't (m)	Branch Spread (m)				Min Crown Clearance (m)	Age	Vigour	Struc Cond	Cat	Comments	Preliminary Management Recommendations
					N	E	S	W							
G181	Monterey cypress, Oak, Eucalyptus, Poplar	-	700	16	6.0	6.0	6.0	6.0	0.0	M	F	F	C	• Restricted inspection due to access	-
Key <u>Age Class</u> Y: Young = juvenile tree recently planted EM: Early mature = tree within first third of average life expectancy SM: Semi mature = tree within second third of average life expectancy M: Mature = tree within final third of average life expectancy OM: Over mature = tree beyond average life expectancy <u>Structural Condition</u> G: G = no structural defects F: Fair = remedial structural defects P: Poor = significant structural defects RPA: Root Protection Area															

Table 3.3 (cont'd): Results of Arboricultural Survey



MIDDLEMARCH

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T: 01675 525 880

Project: Boorley Gateway Development, Hampshire.

Document: Arboricultural Monitoring and Supervision Statement. As part of, rt-mme-159905-01_Rev_B AMS_Appendix B_159905 Boorley Gateway.

Date: 28.06.23.

Produced by: Andrew Hastings FdSc Arboriculture MArborA Arboricultural Consultant

This statement sets out to detail the proposed reporting template and structure for the Tree Protection Fencing Audit visits, and the Arboricultural clerk of works supervision visits for works scheduled in proximity to trees within the Boorley Gateway development.

It has been produced to support the Middlemarch AMS report, rt-mme-159905-01_RevB_AMS.pdf, and its associated tree protection plans, the AMS report contains the methodology of the works to be carried out in the RPA's of retained trees, and this document responds to planning consent granted for the development (application reference 12/71514), subject to Condition 6 which states:

"No excavation, demolition or development related works shall take place on site until a arboricultural monitoring and supervision statement has been submitted to and approved in writing by the Local Planning Authority. The approved statement must be adhered to in full, and may only be modified subject to written agreement from the Local Planning Authority. This condition may only be fully discharged upon completion of the proposed development, subject to submission of monitoring reports as set out in the statement."

Details of the method of reporting, including the structure of reports and how they will be submitted follows below.

- Timings and sequencing of works within the RPA of retained trees are the responsibility of the principal contractor.
- A schedule of audit visit dates will be produced following enabling works and the erection of protection fencing as per the Tree Protection Plans. This schedule must be submitted to the LPA email address planning@eastleigh.gov.uk by the Principal Contractor/Client.
- Notification to the LPA of works within the RPA of retained trees should be submitted no later than 5 days prior to the planned works by the principal contractor/client.
- The reporting of the audit visits and/or any supervision works by the Project Arboriculturist shall be submitted to the LPA no later than 5 days from the date of the visit. The reports shall be sent to the LPA email address planning@eastleigh.gov.uk.
- All works with in the RPA of retained trees must be completed under the supervision of the Project Arboriculturist.



MIDDLEMARCH

W: middlemarch.eco

T: 01675 525 880

Example Supervision Record Form:

Cover Page supervision form

Contract Title:	Boorley Gateway, Hampshire	
Contract No:	TBC	
Client:	Vistry Homes Ltd - Southern	
Document Title:	Supervision Record Form	
Document No:	159905-AMS-REV B_Arboricultural Monitoring and Supervision Statement	
Submit report to this Address:	planning@eastleigh.gov.uk	
Supervision No:		
Supervision Type:	(Description of the works under supervision)	
Date:		
Project Arboriculturist	Andrew Hastings	
Signature		

Content Pages supervision form

Target No. (For associated drawing locating area of works)	Tree/Group Reference	Species	Height (m)	Stem Dia (mm)	RPA Radius (m)	General Health	Retention Category	Comments/Attached photography/Further actions and recommendations
example - TN Location 1	G3,G5	Lombardy poplar	22	450	5.4	Good	B	Supervision undertaken to works for excavation of the marked out area. No major roots discovered during works to excavate 300x1000mm trench

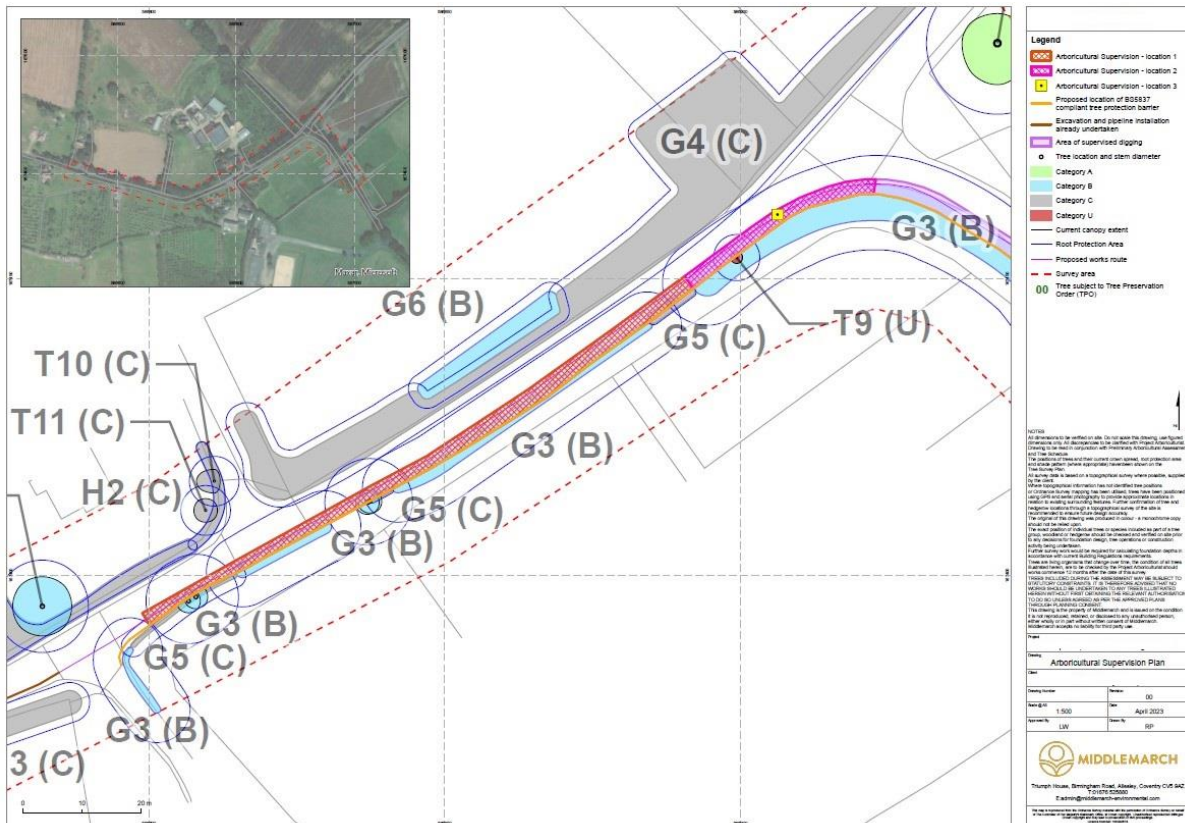


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Associated map - location of supervision work.



Example Protection Fencing Audit Form:

Cover Page

Contract Title: Boorley Gateway, Hampshire
Contract No:
Client: Vistry Homes Ltd - Southern
Document Title: Tree Protection Fencing Audit Form
Document No:
Submit report to this Address: planning@eastleigh.gov.uk

Audit No:	
Audit Type:	Monthly
Date:	
Project Arboriculturist	Andrew Hastings
Signature	





MIDDLEMARCH

W: middlemarch.eco

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Content Pages

High Intensity Tree Protection Fencing					
No.	Question	Yes	No	N/A	Comments / Proposed action(s)
1	Were all the proposed action(s) from the previous audit addressed?	x	x	x	
3	Are all the fencing panels erected?	x	x	x	
4	Are all the fencing panels fixed with couplers with nuts internally to the fencing?	x	x	x	
5	Are all the feet and stabilising bars properly installed?	x	x	x	
6	Are sand bags installed on top of the feet or are the feet pinned to the ground?	x	x	x	
7	Are signs installed on the fencing panels to inform site staff of their responsibilities around the protected areas?	x	x	x	

Low Intensity Tree Protection Fencing (If applicable)					
No.	Question	Yes	No	N/A	Comments / Proposed action(s)
1	Were all the proposed action(s) from the previous audit addressed?	x	x	x	
2	Is Low Intensity Tree Protection Fencing installed in the areas shown in the drawings attached?	x	x	x	
3	Are all wooden posts erected and well fixed to the ground?	x	x	x	
4	Are 2 wires installed on the wooden posts?	x	x	x	
5	Are signs installed on the wires to inform site staff of their responsibilities around the protected areas?	x	x	x	

Notes - Any Urgent Actions - Photos Included	
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**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**