



ARBORICULTURAL REPORT

**Manor Farm Stables
Mott Street
Essex
IG10 4AP**

7th November 2018

Prepared by: Andrew Day HND Arb. M.Arbor.A, CEnv

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Scope

The purpose of this report is to provide Arboricultural advice in relation to identifying the constraints of trees, which are present on site in relation to the proposal to demolish the existing stable blocks and construct a development of 5 residential properties. Providing advice on how the trees could be impacted on and protection measures to be implemented using the guidelines and principles of BS5837:2012.

Table of Contents

	Page
1 Introduction	4
2 Appraisal	5
3 Conclusions	9
4 Other Considerations	9

Appendices

1 Qualifications and Experience	10
2 Photographs	11
3 Site Specific Information	12
4 Limitations and Qualifications	25
5 Tree Protection Plan	27

1 INTRODUCTION

1.1 Brief:

This report has been prepared at the request of Wakefield Poyser the project architects on behalf of the site owner, to provide advice on the arboricultural constraints regarding the trees located on site which could potentially be impacted during works to implement the project, as well as what protection measures will need to be implemented to safe guard the trees from construction pressures.

1.2 Qualifications and experience:

I have based this report on my site observations and the provided information, and I have come to conclusions in the light of my experience. I have experience and qualifications in arboriculture and list the details in **Appendix 1**.

1.3 Documents and information provided:

A plan of the proposed layout.

1.4 Relevant background information:

None.

1.5 Scope of this report:

This report is only concerned with trees located on site that could be impacted by construction works to implement the proposed layout, and the measures required to provide protection for them as best prescribed in the guidance of BS5837: 2012 'trees in relation to design, demolition and construction'. Any issues regarding construction methods etc. is outside the remit of an Arborist and remedy should be sought with suitably qualified persons, for example builder, engineer etc. For the purposes of this report an Arborist / Arboriculturalist is someone who through training and experience has the knowledge to assess trees and their condition in a competent manner. Trees with a dbh of less than 75mm have not been included as per the guidance in BS5837:2012 or species considered to be shrub specimens.

2 APPRAISAL

2.1 Brief site description:

The site is occupied by stable blocks, with grazing areas to the rear. An existing road provides access to the site from Mott Street. The site is fairly secluded with some other residential properties present in close proximity.

2.2 Condition of trees:

The trees appear to be generally in a healthy condition with no signs of pests or diseases normally associated with the species. The Oak T1 has signs of boring insects in the main stem and this should be monitored.

A more detailed analysis of the trees can be found in **Appendix 3**.

2.3 Suitability of tree for location and management requirements at present:

In my opinion the trees are fairly suitable for the site, no imminent management works are required. In time the overhang from G1 – G3 will need to be 'faced back to prevent encroachment of the canopy onto the existing buildings or access routes.

No management works are required at present.

2.4 Potential effects of development on the trees:

To implement the planning permission being sought, none of the trees will need to be removed or worked on. Although I do suggest that G1 & G2 are 'faced up to form a tighter hedge and screening feature.

The foot print of the buildings sits outside the RPA (Root Protection Area) of all of the trees, therefore the construction of these buildings will not impact on the trees. Where hard surfacing will need to be removed and buildings demolished adjacent to G1, then care will need to be taken to ensure collision damage or root damage does not occur during these works. Because of the minimal incursion into the RPA it is unlikely that the trees will be detrimentally impact. However, the measures outlined in the Tree Protection Method Statement in **Appendix 3** will need to be adhered to. I am of the opinion that it is unlikely that roots from these trees will have extended any notable distance onto site given the existing hard surfacing already present. While work to remove the existing hard surface is undertaken, arboricultural supervision will need to be present to ensure any roots encountered are protected or suitably pruned clear and worked around. Protective fencing can be erected in the locations shown on the Tree Protection Plan in **Appendix 5** to prevent collision damage occurring.

The other risks associated with construction activities and this development proposal, in relation to the trees will be via indirect actions from construction activities such as, inconsiderate material storage, manoeuvring of materials, scaffold erection etc. There is space on site on the existing hard surfaces to accommodate such actions. As long as the protection measures highlighted within this report are adhered to, then it is possible that the trees will not be detrimentally impacted by the development proposal. However, this will need to be strictly policed by the site manager as it could result in conflict with the council.

In this case the potential impact of the proposal in relation to the trees is moderate to moderate to low, with specific measures being able to be implemented to ensure that construction pressures do not adversely affect its health or longevity. The trees can be sufficiently protected by following the principles and measures contained within this report and those within the method statement in **Appendix 3**.

The scheme offers a good opportunity to have new planting installed as part of the scheme to enhance wildlife habitat, provide seasonal amenity and species diversity.

2.5 Potential effects of the trees to be retained on the development:

Leaf litter could become a problem if it causes drains or gutters to become blocked, that could impact in other ways on the building, or if left on access surfaces where they could become a slip hazard. To address this gutter guards could be installed to prevent build-up of leaf litter that could become a problem, or regular cleaning of the gutters employed. Regular clearing of falling leaves on the access route, especially in times of wet weather will address any potential slip hazards caused by this seasonal occurrence.

Shadow cast caused by the trees in G1 could have some impact if they are not kept under control and maintained at their current dimensions, although this should not cause too much of an issue. All other trees are far enough away, or the orientation of the site means this will not be an issue.

The conflicts normally encountered with having buildings near to trees can be addressed with scheduled maintenance.

2.6 Proposed solutions to safe guard the tree to remain during construction works:

2.6.1 Protective fencing

Protective fencing will be placed in the locations shown on the tree protection plan in **Appendix 5** prior to works commencing on site. The fencing will be retained at times and will be heras panels as shown in **Diagram 1**.

2.6.2 Services

No details relating to service runs have been provided to me. The location of the service runs will be confirmed by the project architect. Service trenches will be located outside of the RPA of the trees where possible. If this is not possible hand digging / air spade works will be used within the RPA with an arborist on site to supervise proceedings. Alternatively, trenchless techniques to install the services will be used and approved by the local authority.

2.6.3 Site facilities and material storage

Care will have to be taken to identify the type of materials required and the access of any machinery, vehicles or plant needed to move them, as these can cause collision damage to aerial parts of the trees as well as soil contamination or compaction if on soft ground. The site manager will provide details on this aspect of the project and will demonstrate how care and attention will be applied to protect the trees from direct and indirect construction activities.

2.6.4 Works within RPA (Root Protection Area)

No excavation works are proposed to take place within the RPA, because the building is sited outside of the constraints offered by the trees. Where excavation works to remove existing hard surfacing is required, this will be achieved using hand tools and under arboricultural supervision to ensure roots are not damaged unnecessarily. If necessary pneumatic tools will be used, again under arboricultural supervision.

2.6.5 Site supervision

The site manager will provide a timetable of works on the site, listing all the key stages of development, starting with the placing of protection fencing / hoarding around the trees, establishing site facilities, through to completion of the site. Arboricultural supervision will take place prior to works commencing on site to ensure protection measures are understood and implemented with a pre-commencement meeting with the site manager and other relevant personnel. In this case I do not think that regular visits will be required, therefore I suggest a supervision visit is undertaken at the beginning of the project to ensure the protective fencing is in the correct place and the site manager understands the protection methods to be implemented, then one midway through and one towards the end to ensure they have been maintain the protection measures outlined within this report. If this is not to the tree officer's satisfaction, then **site supervision will be undertaken by a suitably qualified arborist on a monthly basis until the completion of the project, and at key stages in the development such as erection of the protective fencing and any excavation works in the RPA (Root Protection Area).**

Prior to work, all key personnel connected with the site will be briefed by an arborist with regard to the importance of the tree protection and methods of ensuring that the tree is protected during the construction period.

A record of all arboricultural related site meetings will be made, signed off and available for inspection by the local authority if required. Any personnel inducted on site will be made aware of the tree protection measures and will be responsible for their own actions in maintaining them and not breaching them in any way. Failure to do so could result in legal action taken against the person responsible and the site owner, including any financial remuneration involved.

2.6.6 Site completion

Once work has been completed, an arborist will inspect the trees and comment on their condition and prescribe any mitigation works required. The tree protection measures are expanded upon in **Appendix 3**. Any proposed landscaping scheme or works will be discussed with the supervising arborist to ensure that this will not conflict with the tree or the protective areas in any way.

3 CONCLUSIONS

- To implement this development no trees will need to be removed or worked on. However, I have suggested that G1 – G3 are 'faced back' to form a tighter hedge feature and allow better clearance. This is not required to implement the proposal, it is only a suggestion.
- The architect have considered the location of the building to avoid conflict with the trees.
- The RPA of all the trees will be avoided by the construction of the buildings. Most of the area adjacent to G1 – G3 is already covered with hard surfacing and therefore unlikely to impact on the tree. Care will be taken as per the method statement when working close to this protected zone when removing the hard surface.
- Protective fencing will be installed to prevent unnecessary access into the protected areas and to stop collision damage to the trees occurring. The locations of this fencing are shown on the tree protection plan in **Appendix 5**.
- The trees can be adequately protected from construction pressures by implementing and adhering to the protection measures provided in the method statement in **Appendix 3**. The proposal is unlikely to have any detrimental impact on the trees.
- The scheme presents an excellent opportunity to have new and diverse planting installed to complement the surrounding landscape and benefit wildlife habitat.

4 OTHER CONSIDERATIONS

4.1 Trees subject to statutory controls:

I do not know if the trees are the subject of a tree preservation order or other restrictions, therefore the local authority will need to be consulted. I suggest that the local authority is kept updated with any proposed tree works so as to form a good working relationship and to prevent misunderstandings or contravention of protection measures. This is an advisory for readers of this report and not meant as a confirmation as to the protection status of the trees commented on.

*Andrew Day HND Arb
For Andrew Day Arboricultural Consultancy Ltd.*

Brief qualifications and experience of Andrew Day

I hold a Higher National Diploma in Arboriculture. I have been working in the field of arboriculture for approximately 10 years, spending time as a contracting arborist undertaking all aspects of practical arboriculture both in the UK and Europe. I have also worked within local government as a tree officer working for a variety of local authorities. I have a broad experience of both the practical and theoretical aspects of arboriculture having worked within the public and private sector. I am currently a consulting arborist for Andrew Day Arboricultural Consultancy.

1. Qualifications:

Higher National Diploma in Arboriculture (1996)

NPTC (National Proficiency Training Council) units 20, 21 and 22

Lantra professional tree inspection certificate

2. Practical experience:

Prior to establishing my company, I worked for a private Arboriculture company for three years undertaking many practical aspects of Arboriculture. I moved on from this to become a local authority tree officer for five years, my duties included consultation on planning matters with regard to trees, advice to the general public, managing the council's tree stock and liaising with other professionals on Arboricultural related issues. I was approached by an established tree contracting and consulting company in Essex to develop and run the consultancy department as their principle consultant which I did for three years.

SITE PHOTOGRAPHS



Showing G1 and existing stables



Showing G2 and existing building



Showing G3



Showing T1

SITE SPECIFIC INFORMATION

Explanatory Notes

Tree Survey

Tree Protection Method Statement and Protection Criteria

Hand dig method statement

Informatives for protection fencing

Arboricultural Considerations notice for site hut and inducted personnel

Explanatory Notes

Measurements/estimates: All dimensions are estimates unless otherwise indicated. Measurements taken with a tape or clinometer are indicated with a '*'. Less reliable estimated dimensions are indicated with a '?'.

Species: The species identification is based on visual observations and the common English name of what the tree appeared to be is listed first, with the botanical name after in brackets. In some instances, it may be difficult to quickly and accurately identify a particular tree without further detailed investigations. Where there is some doubt of the precise species of tree, it is indicated with a '?' after the name in order to avoid delay in the production of the report. The botanical name is followed by the abbreviation sp if only the genus is known. The species listed for groups and hedges represent the main component and there may be other minor species not listed.

Height: Height is estimate height to the nearest metre.

Spread: The maximum crown spread is visually estimated to the nearest metre of the total crown spread diameter. It should be noted that the crown of some trees can be one side, however this usually indicated within the report.

Diameter: These figures relate to 1.5m above ground level and are recorded in centimetres. Estimate measurements are banded 0-10cm, 11-20, 21-30 etc. If appropriate, diameter is measure with a diameter tape. 'M' indicates trees or shrubs with multiple stems. 'AV' indicates average and is the average of two stems when dealing with twin stem trees.

Estimated Age: Age is assessed as **M** mature (last one third of life expectancy), **EM** early-mature (one third to two thirds life expectancy) and **Y** young (less than one third life expectancy).

FSB: First significant branch from ground level (direction shown on tree protection / constraints plan)

SULE: This is the estimated Safe Useful Life Expectancy of the tree. Trees can live longer than this value but can pose a risk to persons or property.

RPR: Radius of root protection area around the tree /group

RPA: Root protection area for tree or group

BS 5837 2012 - On the basis of this assessment, trees can be divided into one of the following categories:

A - Trees whose retention is most desirable; High category

B - Trees where is desirable; Moderate category

C - Trees which could be retained; Low category

U - Trees that cannot realistically be retained; Fell category

Tag	Name	Age	Diameter	Height	Crown Hgt	FSB Hgt	Crown Spread (N S E W) (m)				Life Exp	Recommendations	Category	RPR	RPA
G1	Acer campestre (Field Maple),Sambucus nigra (Elder),Prunus laurocerasus (Cherry Laurel),Crataegus monogyna (Hawthorn),Corylus avellana (Hazel)	M	150	7(1)	1	1	2.5	2.5	2.5	2.5	20+	Group of trees as a large hedgerow in third party ownership. No works required at present.	C2	1.8	10.18
G2	Prunus domestica (Damson),Prunus cerasifera (Cherry Plum),X Cupressocyparis leylandii (Leyland Cyp)	M	250	6(1)	1	1	2.5	2.5	2.5	2.5	10+	Group of trees as large hedge. Maintain at current dimensions.	C3	3	28.28
G3	Thuja plicata (Western Red Cedar)	SM	100	4(0.5)	0.5	0.5	1	1	1	1	20+	Group of trees planted as a hedgerow. No works required at present,	C2	1.2	4.52
T1	Quercus robur (Common Oak)	M	700	16.5(3)	3	3	6.5	6	6.5	6	10+	There is a large area of bark missing on the lower main stem. This is an old injury and is well healed although woodboring exit holes are present. Monitor. Remove deadwood from crown.	C1	8.4	221.7

Method Statement for Tree Protection Measures

PROJECT: Manor Farm Stables, Mott Street, IG10 4AP

CLIENT: Mr D Evans

1.1 Brief

Provide protective measures specification for trees to be retained using the guidelines and principles prescribed in BS5837: 2012 'trees in relation to design, demolition and construction'.

1.2 Protective Fencing and Site Supervision

An important factor in providing protection for the tree during the construction works is the chronological order in which development tasks are undertaken. Before work continues on site, the following issues will be addressed and submitted to the council for approval.

- A suitably qualified arborist will be retained to oversee tree protection measures where required and liaise with the tree officer as required. The contact information of this arborist will be made available to the council tree officer prior to works starting on site.
- The foundation of the buildings will be suitable to address any potential influence the trees may have on it. Location of services and details of their installation will have been provided, with any arboricultural protection measures or methodologies of working programmed in the works schedule and approved by the council.
- A pre- commencement meeting with a suitably qualified arborist will take place with the site manager and other relevant site personnel, to debrief them on the importance of the protection measures and to assist in setting up of the protection fencing etc. before work commences on site.
- The arboricultural site supervision schedule will be compiled at the pre-commencement meeting and will be the responsibility of the site manager to ensure that it is carried out and maintained for the duration of the works.
- All excavation work in or adjacent to the RPA will be undertaken in accordance with the hand dig method statement provided.

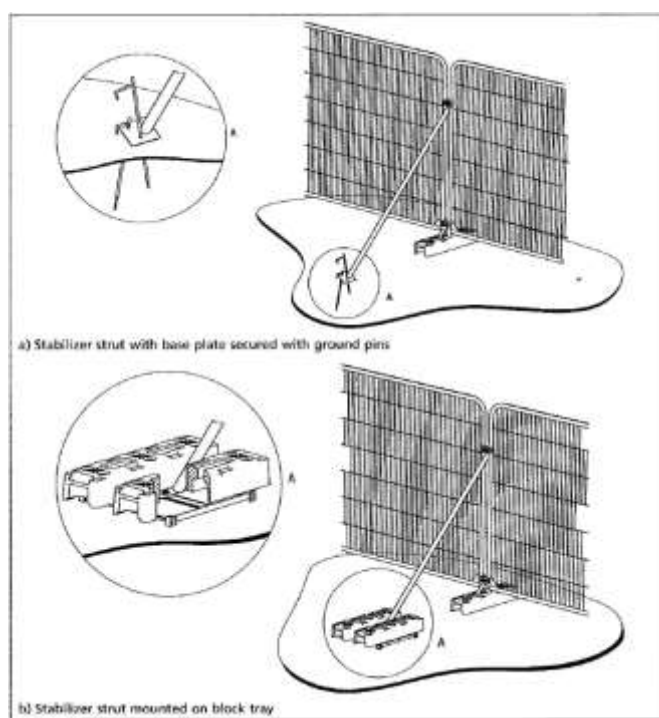
1.2.1

Protective fencing will be as shown in **diagram 1** or similar that is fit for purpose will be placed in the locations as shown on the tree protection plan in **Appendix 5**, prior to works commencing on site. Any tree surgery works required will have taken place prior to the fencing being erected. Once erected the fencing will not be removed unless permission has been given by the tree officer or the works on site have been completed. The informatives provided will be attached to the fencing to highlight its importance at a height of 1.5m and at 5m intervals along the line of fencing, or in locations that can demonstrate they are clearly visible to identify the purpose of the fencing in relation to the project.

1.2.2

If access is required within the RPA on soft ground, then ground protection will be installed as set out in 1.8 before access into the protected area is allowed.

Diagram 1



1.2.3

A pre-commencement inspection by the supervising arborist will take place to ensure the protective measures are understood and a schedule of arboricultural site monitoring is formulated at the start of the project, this will consist of a visit by a suitably qualified arborist once at the start of the project, once mid-way through and once towards the end of the project, as well as times of excavation works to address the paths in the RPA. If this is not to the tree officer's satisfaction, supervision visits will be on a monthly basis, or at times when works to undertake excavations in the RPA or other periods where the tree is more likely to be at risk of damage. A log of these visits and any actions required will be kept and made available to the council on request. **It will be the responsibility of the site manager or other named person to ensure this is maintained for the duration of the project.**

1.2.4

The placing of tree protection measures works within the construction timescale will not be altered and it is re-emphasised that this is to take place prior to any other activities.

1.2.5

All personnel inducted on site will be made aware of the tree protection measures and will be responsible for their own actions in maintaining these and ensuring that they do not cause any damage to the trees.

1.3 Forbidden activities within RPA

1.3.1 Within the root protection area, the following activities will be prohibited, unless the local authority in writing grants specific permission:

No storage of chemicals or other substances likely to leach and cause harm to the trees to be stored.

No storage of heavy plant or materials likely to cause further soil compaction.

No ground disturbance works, apart from what has been approved by any planning permissions or specifically from the council.

No activities that could indirectly affect the trees such as bonfires etc.

- 1.3.2 No ground disturbance works apart from those granted in the planning permission is to be undertaken within the confines of the RPA without the written permission of the local authority.

The protected area is not to be breached at any time, unless the local authority has granted permission and a qualified arborist has been consulted and supervises any work activities that need to take place.

1.4 Storage of chemicals / mixing of materials

- 1.4.1 Storage of chemicals will be placed in a sealed bund / area, with no discharge allowed onto the ground or watercourses. The area containing these materials will have an impervious surface and stored **if possible** 10m away from the RPA. If accidental spillage of chemicals or other damage to the trees takes place the local authority is to be notified as soon as possible and a suitably qualified arborist is consulted as to the best actions to take to mitigate any damage that may have occurred as a result of the accident and these works to be undertaken to mitigate the situation as soon as possible.

1.5 Works in the RPA

- 1.5.1 **No excavation / ground disturbance works will take place within the RPA unless permission is granted by the local authority to do so. Where work is required directly adjacent to it, the same precautions will be adhered to.**

Where excavation works are required and allowed in this protected area, the arboricultural hand dig method statement provided will be strictly adhered to.

- 1.5.2 **If hand digging is not feasibly hand held pneumatic tools will be used. If this is found to be impractical and a mechanical digger with pneumatic head is required, then a competent operator will be in control with the supervising arborist overseeing the works.**
- 1.5.3 If roots are encountered in the excavations in the RPA for the paths, these will be retained and designed around. If this is not possible, then if approved by the local authority, the supervising arborist will undertake the root pruning. Any roots encountered will be suitably covered to prevent contamination or drying out. Roots to be retained, they will be suitably protected with the foundation designed around them. The supervising arborist will advise on this as the job progresses as part of the supervision schedule.
- 1.5.4 At no point will roots be damaged, pruned or left uncovered unless the local authority tree officer has specifically given permission.

- 1.5.5 A suitably qualified arborist will be present to ensure any roots encountered are not damaged and any exposed roots are covered and treated accordingly to prevent stress to the tree(s).
- 1.5.6 A suitable foundation design will be provided for the paths and the building itself to demonstrate how it is fit for purpose, to ensure that the trees will not indirectly impact on the structure, resulting in pressures to remove the trees in the future.
- 1.5.7 The demolition / building contractor will discuss the works with the supervising arborist and formulate a suitable working method statement of how to proceed with works and protect the trees in accordance with this report. Looking at methods to pull the buildings away from the tree line and in, or undertaking demolition works by hand adjacent to the tree line.
- 1.5.8 A suitably qualified arborist will be present to ensure any roots encountered are not damaged and any exposed roots are covered and treated accordingly to prevent stress to the tree(s).

1.6 Material storage / site parking

- 1.6.1 Particular attention will be made to the type of materials to be stored and the type of machinery needed to move them, ensuring that sufficient protection measures in accordance with this method statement and space are provided to prevent damage to the trees to remain. The details outlined in 1.4 above will be adhered to.
- 1.6.2 **At no point will materials be allowed to be stored in the RPA without the appropriate measures being taken to ensure this does not have a detrimental impact on the trees. This will be strictly policed by the site manager.**

1.7 Ground Protection

- 1.7.1 If access across the RPA is required that is not currently covered in hard surfacing, the following ground protection measures will be implemented as required.

For pedestrian traffic:

A single thickness of scaffold boards placed on top of a scaffold frame so as to form a suspended walkway (similar to diagram 2), or boards laid on to a geotextile membrane with a layer of wood chips 100mm in thickness.

For pedestrian operated plant, up to 2 tonnes:

Interlinked ground protection boards of plywood or similar at least 2.5cm thick, laid onto a geotextile membrane on a bed of wood chip 150mm in depth.

For wheeled or tracked traffic exceeding 2 tonnes gross weight:

Metal tracking designed and fit for purpose, pre-cast concrete slabs or similar, laid to an engineering specification on a compression resistant layer e.g. wood chips that will likely spread the weight of the load and prevent compression of the soil underneath.

- 1.7.2 **AT NO POINT WILL THE GROUND WITHIN THE RPA BE LEFT UNPROTECTED IF ACCESS IS REQUIRED IN THIS AREA.**

1.8 Completion

- 1.8.1 Once all of the construction activities on the site have been completed and a suitably qualified arborist will assess the condition of the trees and liaise with the local authority accordingly if any works are considered necessary. Any proposed landscaping works will be discussed with the supervising arborist to ensure there could be no detrimental impact on the trees.

2 HAND DIG METHOD STATEMENT

PROJECT: Manor Farm Stables, Mott Street, IG10 4AP

- 2.1** The area to be excavated will be inspected by a professional arborist to assess the likely proximity of root activity and concentration prior to the commencement of any works. All relevant authorized personnel to be informed and required permissions gained before work commences.
- 2.2** If hand digging is not possible/practicable a method of excavation will be agreed and undertaken by a suitably qualified person for example air spading or a competent digger operator etc., in the presence of a qualified arborist.
- 2.3** During excavation great care will be taken to minimize damage to retained roots, including the bark around the roots.
- 2.4** All roots greater than 25mm diameter should be retained and worked around. Where clumps of smaller roots (including fibrous roots) are found these are to be retained.
- 2.5** Roots with a diameter in excess of 25mm must not be severed without permission from an Arborist.
- 2.6** If roots are encountered, the Arborist must conduct the root pruning and inform the relevant person to suggest mitigation works to the tree(s) if required. If severance is unavoidable roots must be cut back using a sharp tool, leaving the smallest wound possible.
- 2.7** If there is a possibility of infection being passed from one specimen to another, tools will be sterilized in an appropriate method to reduce the risk of cross contamination.
- 2.8** When backfilling an inert granular material mixed with top soil or sharp sand (not builder's sand) is to be used around the retained roots. Unless an alternative backfill substrate has been agreed with in writing by the appropriate authorized personnel.
- 2.9** If roots are to be left exposed for a period of longer than 1 hour (dependent on weather conditions), then a covering of dampened Hessian or similar material is to be used to cover the exposed roots. Any changes to this practice are to be authorized by a qualified arborist.
- 2.10** All levels are to be returned to the original plane after any excavation, unless specific design and relevant permission has been authorized.
- 2.11** A qualified Arborist is to be on site to supervise during any operations within the protection zone.

ANDREW DAY
ARBORICULTURAL CONSULTANCY LTD

REDUCING COSTS BY DELIVERING PRACTICAL SOLUTIONS

TREE PROTECTION ZONE

**DO NOT CROSS WITHOUT
PERMISSION**

**BREACHING THIS BARRIER CAN
RESULT IN THE FOLLOWING:**

- **SHUT DOWN OF THE JOB**
- **FINANCIAL IMPLICATIONS**
- **CRIMINAL PROCEEDINGS**

ARBORICULTURAL SITE CONSIDERATIONS

THIS NOTICE IS TO BE DISPLAYED IN THE SITE OFFICE OR A SUITABLE LOCATION WHERE IT IS CLEARLY VISIBLE AND ISSUED TO ALL PERSONNEL INDUCTED ONTO SITE

The following site considerations must be observed at all times during the development process, from site preparations through to completion.

- ❖ The protected area of the RPA must be regarded as sacrosanct and not breached except where to implement the planning permission granted, without prior consultation with either the local planning authority or the supervising arborist.
- ❖ Ground protection must not be lifted or removed without prior consultation with either the local planning authority or the supervising arborist.
- ❖ Damage caused to ground protection must be reported to the site manager to ensure suitable repair or actions are taken.
- ❖ No materials, chemicals, machinery or vehicles to be stored within the RPA (root protection area) as defined on the tree protection plan and on site by fencing and ground protection.
- ❖ No materials etc. must be rested against or machinery chained to trees.
- ❖ No pruning of trees may be undertaken by anyone other than a qualified arborist and approved by the supervising arborist and local authority tree officer.
- ❖ Any physical damage caused to a tree to be retained must be reported to the site manager immediately so that suitable remedial works can be commissioned without delay.
- ❖ Builder's sand (which contains high levels of salt) must not be used to back fill excavations within or in close proximity to tree roots, as it has a toxic effect and can cause root desiccation. Sharp sand must be used under such circumstances.
- ❖ Soil contaminants such as concrete mixings, diesel oil and vehicle washings must be kept suitably contained, preferably within bunded areas. Any spillages within 2m of a fenced area must be reported to the site manager and supervising arborist immediately so that suitable mitigation works can be commissioned.
- ❖ Fires must not be lit in positions where their flames can extend to within 5m of foliage, branches or trunks. Wind direction and size of fires will impact on this.
- ❖ Notice boards, telephone cables or other services etc. must not be attached to any part of a tree.

Remember the tree officer can turn up at any time or neighbours may report any poor practice or threats to the trees.

Site Personnel Contact Information

As far as I am aware the only personnel associated with this site at the time of writing this report is the project planning agent. Table 2 shows the contact details of the project planning agent who is to be contacted if any enquires relating to this project need answering.

Table 2

Name	Relation to Site	Contact Details
Wakefield Poyser	Project architect	01279 442720

LIMITATIONS AND QUALIFICATIONS

LIMITATIONS AND QUALIFICATIONS

Unless specifically mentioned the report will only be concerned with ground inspections. No below ground inspections will be carried out without prior confirmation from the client that such works should be undertaken. This report is for the purposes of identifying the constraints of trees in relation to development and not a health and safety assessment of the trees. A cursory assessment of the trees health and condition will be recorded, but this is not to be taken as a detailed assessment of its structural condition, health and management recommendations in relation to this. A separate tree inspection regime focusing on these aspects will need to be undertaken if this is required.

The validity, accuracy and findings of this report will be directly related to the accuracy of the information made available during the inspection process. No checking of independent data will be undertaken, Andrew Day Arboricultural Consultancy will not be responsible for the recommendations within this report where essential data are not made available or are inaccurate.

This report will remain valid for one year from the date of inspection but will become invalid if any tree works not recommended within the report are undertaken, soil levels around the trees are altered in any way and if any building works which were not disclosed during the inspection are undertaken. If extreme weather changes occur such as heavy winds, snow etc., the trees will need to be re-inspected to ensure their condition has not been affected or has altered from the initial inspection details obtained.

If any of the above occurs, then it is strongly recommended that a new tree inspection is carried out.

It will be appreciated, and deemed to be accepted by the client that the formulation of the recommendations for the management of the trees will be guided by the following:

1. The need to avoid reasonable foreseeable damage
2. The arboricultural considerations – Tree safety, good Arboricultural practise and aesthetics.

The client is deemed to have accepted the limitation placed on the recommendations by the sources quoted in the attached report. Where time constraints or the client limits sources, this may lead to an incomplete quantification of the risk.

TREE PROTECTION PLAN

(This plan is for reference only; please refer to the separate A3 plan for scaling if required)

