



Arboricultural Implication Assessment (AIA)

An Arboricultural Implication Assessment derived from the Tree Survey and Report

Installation of Portacabins
British Museum
Great Russell St
London
WC1B 3DG

Ref No: 240131

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Documents referenced:	Existing site plan - (S)10771-WW-ER-00-DR-A-1110 Survey ERB - Level 00 Plan (dated 14.10.22) DJA-Powerpoint 01-Localised Layout Plan Drawing number 663-DJA-SK-A-11105 Catering Hub – option C pdf Portakabin The British Museum Montague Street London-Plan View 01 pdf Portakabin The British Museum Montague Street London-Plan View 02 pdf
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1. Introduction

1.1 Aims of this Assessment

The aim of this Arboricultural Implication Assessment (AIA) is to consider how the proposed installation and positioning of the temporary buildings and the associated trees will co-exist and interact in the present and the future.

The AIA addresses and considers issues such as statutory constraints, above and below constraints and infrastructure requirements. It also considers such issues as end use of space, the need to prune trees to accommodate works and measures that need to be taken to protect trees.

1.2 Aspects not dealt with within this Assessment

Please also refer to Appendix 1.

The AIA does not include an Arboricultural Method Statement (AMS).

This AIA does not consider issues relating to boundary lines and the proposed structures. It may be that such issues effect the ownership of a tree/s, but the assessment does not deal with this issue. (Issues of boundary line dispute and/or ownership of vegetation may require a land registry search and reference to local records. (This can be conducted if so requested).

2. Implications of Proposed Development on Tree Population

2.1 Description of Proposed Development

From our understanding, the proposed works involve the following stages:

1. Installation in 2 separate areas of 1 no. single storey Portacabin
2. Installation in 2 separate areas of 2no. two storey Portacabins
3. Installation of 2 no. compactors
4. Installation of 16 yard skip

2.2 Considerations of those trees that will be affected by the proposed build

Tree no.	Species	Cat.	Removal due to		Mitigation required		Details of how proposed affects tree and outline of mitigation required
			Works	Con.	Crown	RPA	
T23	Field Maple	B1	N/A	N/A	N/A	N/A	No issues
T24	Field Maple	B1	N/A	N/A	✓	N/A	No issues
T25	Field Maple	B1	N/A	N/A	✓	N/A	<ol style="list-style-type: none"> 1. Cold store buildings and Security Hut (Portacabins) will need to be craned into position. These works will require that the crane unit is parked beyond the canopy of T25 and T26, ideally on the opposite side of Montague Street. The Portacabins would need to be craned above the height of the tree canopies (approx. 9m) and lowered into the space within the British Museum (outside of the canopies of T25 and T26), such that the boom (or main crane arm) operates between the canopies of T25 and T26 without coming into contact with the canopies. The units would then need to be skated into position. 2. The crown of these trees marginally overhangs the boundary of the British Museum and would require to be cut back by no more than 1m to the west to accommodate the installation of the Portacabins.
T26	Field Maple	B1	N/A	N/A	N/A	N/A	<ol style="list-style-type: none"> 1. Cold store buildings and Security Hut (Portacabins) will need to be craned into position. These works will require that the crane unit is parked beyond the canopy of T25 and T26, ideally on the opposite side of Montague Street. The Portacabins would need to be craned above the height of the tree canopies and lowered into the space within the British Museum, such that the boom (or main crane arm) operates between the canopies of T25 and T26 without coming into contact with the canopies. The units would then need to be skated into position. 2. The crown of these trees marginally overhangs the boundary of the British Museum and would require to be cut back by no more than 1m to the west to accommodate the installation of the Portacabins.
T27	Field Maple	B1	N/A	N/A	N/A	N/A	No issues

Tree no.	Species	Cat.	Removal due to		Mitigation required		Details of how proposed affects tree and outline of mitigation required
			Works	Con.	Crown	RPA	
T28	London Plane	A2	N/A	N/A	✓	✓	<ol style="list-style-type: none"> 1. Mitigation re. installation of single storey Portacabin to north of crown (Portacabin TN104 Single Storey (Beverage Store). This will require that the Portacabin be lifted from Montague Street to the south of T28 (and outside of T28 canopy). The Portacabin will then be skated into position, west of the crown and installed to the north of the crown. See AMS for further detail 2. Mitigation re. 2, two storey installation of Portacabins to south of the crown will require that the base Portacabin is installed at a suitable distance from the stem to allow sufficient clearance for the installation of the second Portacabin. This will require that: <ol style="list-style-type: none"> a. the minor branches of the canopy are lifted to 6m, b. the major limb at 6m to south is suitable protected against possible impact or scuffs, c. the works are supervised by an Arboriculturist and climber in attendance to advise and assist as required. <p>See AMS for further detail.</p> <ol style="list-style-type: none"> 3. It is envisaged that the supporting leg to the north east of the base Portacabin will be sited within the exposed area ground around the tree. This will require that suitable ground support and distribution is installed to spread the weight to reduce compaction of soils as well as ensure that there is no impact within the soils such that the build support may subside. This will require input from the installers as to best practice. See AMS for further detail. 4. Mitigation will further be required to protect the exposed ground associated with the RPA of the tree.
T29	London Plane	B1	N/A	N/A	✓	✓	<ol style="list-style-type: none"> 1. Mitigation re. installation of single storey Portacabin to north east of crown. This will require that the Portacabin be lifted from Montague Street to the north east of T29 (and outside of T28 and T29 canopies). The Portacabin will then be skated into position and installed to the north of the crown. See AMS for further detail 2. Mitigation re. installation of 2 number compactors to the west of the crown. It is understood that these will be installed and accessed from the west side of the tree and from within the grounds of the British Museum. 3. Crown lift minor crown canopy to allow movement of vehicles to a height of 5m. To allow installation of Portacabin and to install and access compactors.

Tree no.	Species	Cat.	Removal due to		Mitigation required		Details of how proposed affects tree and outline of mitigation required
			Works	Con.	Crown	RPA	
T30	London Plane	B2	N/A	N/A	✓	N/A	Banks-person/people will be required to ensure that the crowns of these trees are not impinged upon by the crane movement
T31	London Plane	A2	N/A	N/A	✓	N/A	Banks-person/people will be required to ensure that the crowns of these trees are not impinged upon by the crane movement
T32	London Plane	A2	N/A	N/A	✓	N/A	Banks-person/people will be required to ensure that the crowns of these trees are not impinged upon by the crane movement
T33	Golden-rain tree	C1	N/A	N/A	N/A	N/A	No issues
T34	Golden-rain tree	C1	N/A	N/A	N/A	N/A	No issues
T35	Golden-rain tree	C1	N/A	N/A	N/A	N/A	No issues
T36	Golden-rain tree	C1	N/A	N/A	N/A	N/A	No issues
T37	London Plane	C1	N/A	N/A	N/A	N/A	No issues
T38	London Plane	B2	N/A	N/A	N/A	✓	Crown lift minor crown canopy to allow movement of vehicles, assumed to not exceed a height of 5m, to access compactors.
T39	London Plane	B2	N/A	N/A	N/A	✓	Crown lift minor crown canopy to allow movement of vehicles, assumed to not exceed a height of 5m, to access area of 16 yard skip.

2.3 Summary of effects on the Trees from Proposed Layout

Consideration	Number of trees
Trees, groups and hedges to be retained	17no. trees
Category A trees, groups and hedges to be removed	0 trees
Category B trees, groups and hedges to be removed	0 trees
Category C trees, groups and hedges and groups to be removed	0 trees
Category U trees, groups and hedges to be removed	0 trees

No trees will be removed. The proposed works are temporary and will not significantly impact on the local tree landscape.

2.4 Summary of Mitigation required

No below ground mitigation for works is required

Above ground mitigation includes minor pruning to allow for proposed works to proceed.

2.5 Infrastructure requirements

It is considered all infrastructure requirements will utilise existing utilities on site and that there will be no requirement to excavate within the area of the trees considered to install required infrastructure. If there is requirement to excavated to redirect or lay new utilities this will require consultation with the Arboriculturalist to ensure the root protection areas of none of the trees are impinged upon.

If trenches are required for new utility service installations they are to be located outside of the RPA's of retained trees.

If the installation of new trenches are required they must be conducted in accordance with National Joint Utilities Group (2007) Publication Volume 4: Issue 2 Guidelines for the planning, installation and maintenance of utility apparatus in proximity to trees.

If trenching cannot be avoided within the RPA of a retained tree Arboricultural advice must be sought to ensure that minimum impact is caused to the rooting area.

2.6 Installation of Protective Barriers and Ground Protection.

In relation to protecting the retained trees a stem protection system (tree box) is to be installed, to prevent direct damage to the tree (T28). The stem protection will remain in-situ throughout the construction and only removed on completion of the proposed works.

Ground protection is to be provided on the areas of ground which are exposed (as shown within the TPP).

2.7 Consideration of Ecological concerns

No ecological concerns have been raised in relation to the works or the trees on the site and none were noted at the time of the survey. Ecological considerations that involve EU Habitats Directive will overrule any Arboricultural recommendations as given within this report.

3. Change in Site Use and Tree Management Implications

3.1 The Implications of the Potential Growth of the Trees within the next 10 years

There are considered to be no significant implications related to the growth and/ or nuisance posed by the retained trees in relation to the proposed works.

3.2 Potential root damage to Infrastructure

This report does not consider the implications of trees, whether retained or removed, indirectly or directly on the proposed works. (New structures must be so designed to avoid potential movement as a result of the influence of trees).

4. Conclusions

4.1 Further considerations

An Arboricultural Method Statement (AMS) has been compiled along with a Tree Protection Plan (TPP).

Appendix 1: Limitations of Arboricultural Implication Assessment

Limitations of the Arboricultural Implication Assessment

Please also refer to sections 1.2 and 1.3 at the beginning of this report.

- This Assessment is based upon information obtained from the Tree Survey.
- All dimensions and measurements are based upon the previous data collected from the survey and from the design drawings as provided.
- This Assessment considers the possible implications to proposed future built structures. Suggestions may be given outlining alternative proposals for building layout. Such suggestions must be considered by the Architect/ Designer/or Engineer before implementing any of the suggestions.

Data on which the Assessment is based

- Validity, accuracy and findings of the report will directly relate to the accuracy of information provided at the time of the survey.
- No checking of independent data provided will be undertaken. This is particularly relevant with regards to scaled maps and drawings provided to Writtle Forest Ltd.

Validation of the Assessment

- The Assessment considerations/ findings in this tree report are valid for one year.
- Such considerations/ findings will become invalid if any building works are undertaken, soil levels are altered or tree work undertaken.
- If there are any alterations to either the property or soil levels, or if tree works are carried out, it is recommended that a new tree survey/report is undertaken.

Trees in relation to other Properties:

- This assessment only considers the trees in relation to the site and the proposed structures as identified.
- The Assessment only considers those trees as are relevant to the proposed structures. Comment is not made with regard to trees in relation to structures beyond the boundaries as identified, (third party property).
- Issues with regard to neighbouring property and trees on the site considered maybe relevant if new planting is considered or required.
- Damage to, or possibility of damage to, any other structure that is not referred to within the report is not considered unless otherwise specified. This includes both neighbouring structures and any other structure on the property.

Trees in Relation to Subsidence, Heave and Direct damage

- This report does not deal with issues relating to subsidence or heave in relation to any built structures and surrounding vegetation. However, it may be prudent to consider the effects of heave on any property if trees are removed.
- Unless information relating to soils is presented or if the client has instructed the assessment to consider the type and depth of foundations, then this is not considered within the assessment.

Trees subject to statutory controls:

- Where trees are covered by a Tree Preservation Order or are located in a Conservation Area it will be necessary to consult the local authority before any tree works, other than certain exemptions, can be carried out.
- The works specified above are necessary for reasonable management and should be acceptable to the local authority. However, tree owners should appreciate that the local authority may take an alternative point of view and have the option to refuse consent.

Trees are subject to changes outside man's control:

- Trees are living organisms subject to changes outside man's control.
- Changes to ground water conditions will affect the root growth of a tree. Such changes are not always the result of man's influence and other factors may be involved.

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