



17 Tewkesbury Avenue, Hale

Arboricultural Method Statement

January 2021



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Arboricultural Method Statement

Supervision

Arboricultural Clerk of Works (ACoW) will be involved in the following:

Surveying to monitor arboricultural/ecological sensitivities at the site; Monitoring work activities in close proximity to sensitive arboricultural/ecological receptors to ensure impacts are minimised, e.g. preventing pollution run-off to watercourses; Auditing of site management plans and method statements to ensure arboricultural/ecological compliance; Providing advice on the delivery of agreed mitigation measures; Liaising with stakeholders such as regulators, planners and members of the public; Preparing compliance and audit reporting.

- Pre-commencement meeting;
- Installation of protective fencing;
- Installation of ground protection;
- Removal of protective measures.

All supervisory visits will be logged and a copy of the minutes circulated to all team members including the LPA. A number of the operations named above can be undertaken in a single visit.

The pre-commencement site meeting is to be held before any work is undertaken. All tree protection measures, haul routes, site storage, contractor parking, deliveries, working methods are to be freely discussed and agreed in writing. Initial site visits may be intense to ensure measures are implemented.

General site visits will be undertaken once the site is 'live' at intervals agreed with the team. Our role will be to initially to act in a compliance capacity to ensure the protective measures are fit for purpose and meet or exceed the council's (LPA) requirements and the tree works are undertaken to the required standard. Once this has been completed, our role will be one of monitoring and 'troubleshooting'.

Actions

- Pre-commencement site meeting to agree roles, responsibilities and duties in relation to tree protection. Details to be minuted and distributed.

Arboricultural Method Statement

Construction Exclusion Zone Tree Stem Protection

The trunk of retained trees will be encased in plywood on a timber framework as denoted on plan TPP/4284/Y/100 (image below).

Targets

- The plywood box section constructed around the tree trunks.
- Plywood boards (24mm thickness EN 636-2 EN 314-3 CE4 CE2+ E1 – Grade - C+ / C) to be used.
- Location and adequacy signed off by Arboricultural Clerk of Works and LPA advised.
- Works to be monitored by Arboricultural Consultant.
- Completion to be reported to the LPA and signed off by Arboricultural Consultant.
- Tool Box talk.



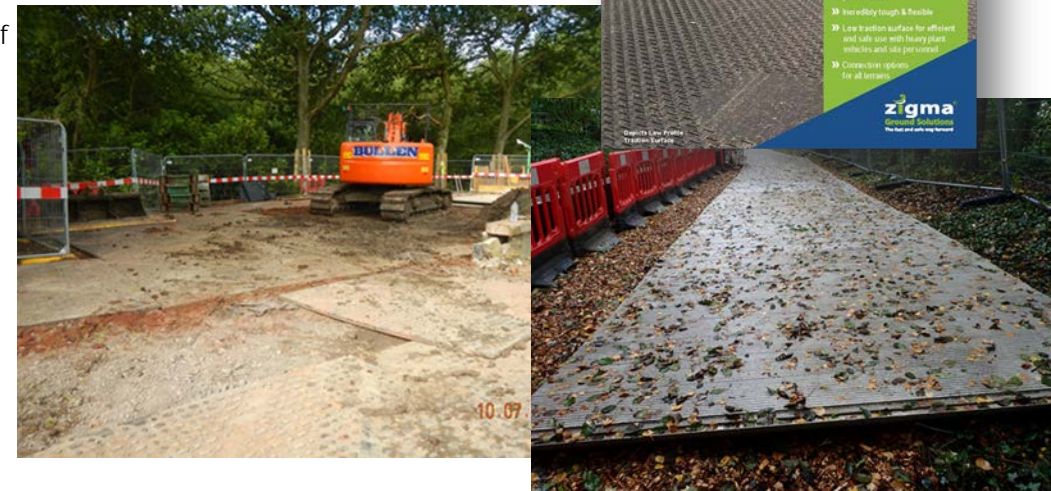
Arboricultural Method Statement

Construction Exclusion Zone Ground Protection

The Construction Exclusion Zone will be protected by Tuff Trak over a sand blinding. Adequate protection of trees requires the installation of the correct ground protection .

Actions

- The following applies to Tuff Trak (other systems follow a similar installation procedure).
- The existing grass and ground cover and any hard surfaces are to be removed by hand working.
- Permatex 300 geotextile to be laid with a sharp sand blinding layer, or wood chip compressible layer to bring to level.
- Tuff Trak laid over. This surface will be retained through the contract to form a working surface.
- Location and adequacy signed off by the Arboricultural Clerk of Works and the LPA advised.
- Works to be monitored by Arboricultural Consultant.



Arboricultural Method Statement

Foundation Excavations/Root Pruning T1

Compliance is to be maintained on site by the appointed Clerk of Works.

Targets

- The works area is to be marked out. Turf to a depth of 75 mm to be removed by a turf iron. The stone entrance wall is to be removed by hand working and the stone retained for re-use.
- Using either Soil Vacuuming or Hydro Vacuum & Suction Excavation, a trench will be excavated for the garage. The new entrance will be excavated with Hydro Vacuum & Suction Excavation or Compressed Air Displacement .
- Roots of <25 mmØ to be cut at a root hair with secateurs.
- Roots of >25mmØ are not anticipated at such distances.
- The foundation trench for the garage is to be lined with Visqueen.
- The exposed soil for the new entrance will be covered in hessian to prevent desiccation. Once the entrance wall is re-built, the void will be filled with top soil to BS 3882: 2015.
- Mixing of concrete and cements to be undertaken outside Construction Exclusion Zone.



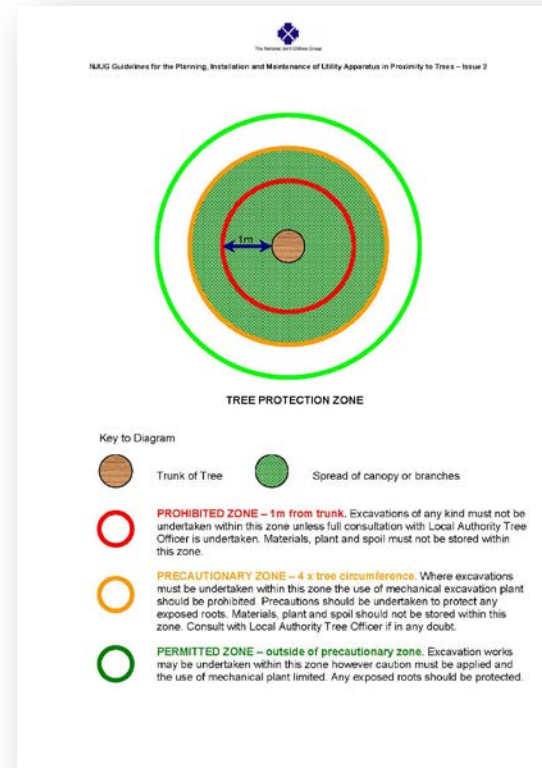
Arboricultural Method Statement

Services - NJUG 4.2

Work area to be marked out in accordance with NJUG 4.2.

Actions

- The precautionary area is to be identified.
- Suitable method of service installation to be identified.
- Location and adequacy signed off by the Arboricultural Clerk of Works and the LPA advised.
- Works to be monitored by Arboricultural Clerk of Works.



Arboricultural Method Statement

General Precautions

The retention of trees requires a number of general precautions to be taken. Compliance is to be maintained on site by the Arboricultural Consultant. The site visits are detailed at criterion 1 – Timing of Works.

Actions

- Spoil from the foundation pits or other excavations shall not be placed within the Construction Exclusion Zone.
- No materials, equipment, spoil or washout water may be deposited, stored or parked within the Root Protection Area/ Construction Exclusion Zone.
- On-site inspections to be undertaken by the Arboricultural Clerk of Works with the Arboricultural Consultant visiting during critical operations. The aim of the visits is to maintain on-going liaison with all personnel involved in the site development, Local Planning Authority and its Tree Officer.
- Any defects requiring rectification shall be notified to the Contractor/Site Manager/Arboricultural Consultant and the client.
- A site logbook for tree protection measures is kept to record all stages of the development from the erection of the protective fencing, right through to the completion of the project. This will be made available to the Arboricultural Consultant and the Local Planning Authority, if required, to show evidence of continuous site monitoring.

Protection and Emergency Procedure/Contacts

Adherence to the method statement, appointment of the Arboricultural Consultant and their involvement, at the critical construction phases, should negate any incident. The contact page details those personnel who should be contacted if an incident involving a retained tree should take place.

Actions

- Spill kit available.
- On site fuels to be located away from RPA/CEZ and contained in a bunded tank at 110% capacity.
- All incidents involving trees to be reported by telephone and email.
- Bunded storage of oil/fuels.
- Refuelling points for machinery at distance to the watercourse.
- Use of drop trays under plant/machinery overnight.
- Availability of spill kits on site – and training of site staff in their use.
- No excavation during periods of heavy rain.
- Regular maintenance and inspection of plant – engines and hydraulic systems.

Arboricultural Method Statement



Contact List

Title	Name	Address	Telephone	Email
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Developer	TBA			
Architect	S Wroe	Abode, Manchester	0161 711 0858	mail@abode-architecture.co.uk
Arboricultural Consultant (LPA)	TBA	Trafford Borough Council Town Hall	TBA	

Appendix A

Contents

Key

BS 5837 2012

Tree data



KEY

<p>Age</p>	<p>Y – Young: Out-planted trees that have not yet established SM – Semi-mature: Established trees up to 1/3 of expected height and crown EM – Early mature: Between 1/3 and 2/3 of expected height and crown M – Mature: Between 2/3 and full expected height and crown FM – Fully mature: Full expected height and crown OM – Over mature: Crown beginning to break-up and decrease in size S – Senescent: Crown in advanced stage of break-up</p>
<p>Physiological Condition</p>	<p>Good – Very few defects a reasonable long life expectancy depending on age class Fair – Some defects giving the tree a shortened life expectancy Poor – Limited life with major problems</p>
<p>Structural Condition</p>	<p>Good – Very few defects Fair – Some defects rectifiable with minor tree surgery Poor – Significant defects rectifiable with major tree surgery or felling</p>
<p>#</p>	<p>Estimated dimensions.</p>
<p>(a)</p>	<p>Average stem diameter across a group of trees.</p>
<p>*</p>	<p>Tree subject to TPO.</p>

Table 1 – Cascade chart for tree quality assessment

Category and definition	Criteria			Identification on Plan
<p>Category U</p> <p>Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years.</p>	<ul style="list-style-type: none"> • Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other U category trees (i.e. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning). • Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline. • Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality. <p><i>NOTE Category U trees can have existing or potential conservation value which might be desirable to preserve; see 4.5.7</i></p>			RED
	1 Mainly arboricultural qualities	2 Mainly landscape qualities	3 Mainly cultural values, including conservation.	
Trees To Be Considered For Retention				
<p>Category A</p> <p>Trees of high quality with an estimated remaining life expectancy of at least 40 years</p>	Trees that are particularly good examples of their species, especially if rare or unusual, or essential components of groups, or of formal or semi-formal arboricultural features (e.g. the dormant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features.	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	GREEN
<p>Category B</p> <p>Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.</p>	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation.	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality.	Trees with material conservation or other cultural value.	BLUE
<p>Category C</p> <p>Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm.</p>	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value, and/or trees offering low or only temporary/transient landscape benefits.	Trees with no material conservation or other cultural benefits	GREY

Tree Ref No.	Species	Height	Stem Diameter	Branch Spread M				Height of Crown Clearance	Clear Branch Height	Age Class	Physiological Condition	Structural Condition	Comments/Preliminary Management Recommendations	Estimated Remaining Contribution Years	Category Grading
		M	MM	N	E	S	W	M	M						
1	Oak	14	550	5	4	4	4	3	3	M	Good	Good	A tree of moderate quality and value.	20+	B1/2

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