

Arboricultural Legend

(where applicable)

The legend defines four symbols used in the site plan:

- Root Protection Area (merged):** Represented by a green circle with a black dot in the center. A bracket below it groups the terms "Tree" and "Hedge".
- Root Protection Area (individual):** Represented by a green circle with a black dot in the center. A bracket below it groups the terms "Foliage" and "Tree".
- Tree Removed:** Represented by a red circle with a black dot in the center. A bracket below it groups the terms "Tree Removed" and "Hedge Removed".
- Construction Exclusion Zone:** Represented by a blue circle. A bracket below it groups the terms "CEZ" and "CEZ".

Photo Position
(& orientation) 

1. Tree canopies have been measured and plotted at their cardinal points for clarity and presentation purposes.
2. The location and attributes of off-site trees have been approximated unless otherwise stated.
3. The Root Protection Area (RPA) is a layout design tool indicating the minimum area around a tree trunk within which sufficient roots and rooting volume to maintain the tree's viability and hence protection of the roots and soil structure is to be treated as a priority. (Refer to main report for further details)
4. Site traffic or obstructions encountered at the time of the survey may have resulted in aerial features being omitted or their attributes being approximated.
5. Tree works are to be undertaken by qualified contractors to BS3998:2010.
6. Trees are to be Risk Assessed for nesting birds and bats.
7. The arboricultural survey is based on the supplied topographical survey. The location of features shown has not been checked.

Sheet 1



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Arboricultural Layout			
CLARE LEES			
CHINLEY			
Plotted Scale: A1 1:200			
Surveyor: IRM	CAD: SPT	Checker: IRM	Rev:
Date of Issue:	SEP 2018	ACS Ref No:	ARB/3840/V/100

The general purpose is to ensure compliance with planning conditions.

It is anticipated that arboricultural input is likely to be needed for the following operations:

- Pre-commencement meeting;
- Installation of protective fencing and surfaces;
- Excavation of soil around roots for foundations;
- Services (power, water, foul)
- 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 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'.

Targets

- Pre-commencement site meeting to agree roles, responsibilities and duties in relation to tree protection.
- Details to be minuted and distributed.
- Appointment of an Arboricultural Consultant to oversee works.

Tree Protection Measures

Due to the short-term nature of the works, standard BS 5837 fencing will be used.

The Construction Exclusion Zone fence will be heras fence panels fixed to the ground by a 'T' bar.

The location will be marked on site by the Arboricultural Consultant and are also

shown on the Drawing No. – Tree Protection Plan ARB/3840/Y/100.

Targets

- Heras fencing fixed to the ground by 'T' bar as illustrated.
- Fencing installed at locations shown on the plan – Tree Protection Plan ARB/3840/Y/100 and marked on site.
- Location and adequacy signed off by Arboricultural Consultant and LPA advised.
- Tool Box Talk – make construction staff aware of the importance of areas by site manager.
- Signs to be erected advising of the area's importance.
- The ground within the CEZ is to remain and not be stripped.
- Plywood boards (24mm thickness EN 636-2 EN 314-3 CE4 CE2+ E1 – Grade - C+ / C) laid over existing ground around excavation pit.
- 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.

Services

Services are to be installed in accordance with NJUG 4.2.

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.

Targets

- 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 Auhtoirty, 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 demolition and construction phases, should negate any incident. The contact page details those personnel who should be contacted if an incident involving a retained tree/water course should take place.

Targets

- 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.



Tree Protection Notice to be attached to fencing 1.5m from the ground, facing out of the Construction Exclusion Zone and located at regular intervals along the fence line.

The notice must be at least A4 in size



Rev	Date	Description	CAD
Client			
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Tree Protection Notes			
CLARE LEES CHINLEY			
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