

Utility apparatus

Underground utility apparatus

Mechanical trenching for the installation of underground apparatus and drainage severs any roots present and can change the local hydrology in a way that adversely affects the health of the tree. For this reason, particular care should be taken in the route and methods of installation of all underground apparatus. Wherever possible, apparatus should be routed outside of RPAs. Where this is not possible, it is preferable to keep apparatus together in common ducts, all inspection chambers should be sited outside of the RPAs.

Where underground apparatus is to pass within the RPAs, detailed plans showing the proposed route should be drawn up in conjunction with the project arboriculturist. In such cases trenchless insertion methods should be used with entry and retrieval pits being located outside of the RPAs. If this option is not feasible and providing roots can be retained and protected excavations should be undertaken using hand held tools (oil-spade, forks, shovels) or a combination of trenchless and manual excavation (broken trench).

Any design and installation should be undertaken in accordance with the National Joint Utilities Guidelines (NJUG).

Above-ground utility apparatus

Above-ground apparatus(including CCTV cameras and lighting) should be sited to avoid the need for detrimental tree pruning, as such the current and future crown size of the tree should be assessed. Tree branches can be pruned back with care to provide space, though it is not appropriate for repetitive and significant tree work to bear initial design solution unless this is a suitable management outcome for the tree. Any pruning should be undertaken in accordance with BS3998:2010

Issue: Proposed building situated within the RPA of tree 3. Due to river running through the centre of the site and a gas main to the east, piled foundations are not permitted on this site.

Solution: Root pruning along the proposed building line, with roots being uncovered via manual excavation and cleanly cut back to the edge of the trench.

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Project:

B.M Scaffolding,
Brockhampton Road,
Havant,
Hampshire,
PO9 1JU

Client:

The Planning Service

Drawing:

Arboricultural Impact Assessment

Based on:

v5 - 1

Drawing No:

Arbttech AIA 01

Rev:

Date:

Dec 2020

Scale:

1:100 @ A1

Drawn:

AJN

Key:

Tree Nos.:

1

Tree Canopies:

Trunks:

RPAs:

Category 'B' trees:

Category 'C' trees:

Existing Site:

Proposed Site:

Incursion - Structures:

All dimensions should be checked on site. No dimensions are to be scaled from this drawing. Please notify us if any discrepancies found. Arbttech Consulting Ltd. cannot be held responsible for inaccuracies in the base drawing in which this plan is based.

This drawing is designed to reflect the principles of the layout or design only, and relates only to the protection of retained trees.

This drawing is not to be read as a definitive part of the engineering or construction design or method statement. An architect or structural engineer should be consulted over any matters of construction, detailing or specification and for any standards or regulatory requirements relating to proposed structures, hard surfacing or underground services.

This drawing was produced in colour - a monochrome copy should not be relied upon.

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