

Utility apparatus

Underground utility apparatus

Mechanical trenching for the installation of underground apparatus and drainage sewers 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 root and methods of installation of all underground apparatus. Whenever 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 arboricultural. 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, protected excavations should be undertaken using hand held tools (oil-spade, forks, shovels) or a combination of trenchless and manual excavation (broken trench).

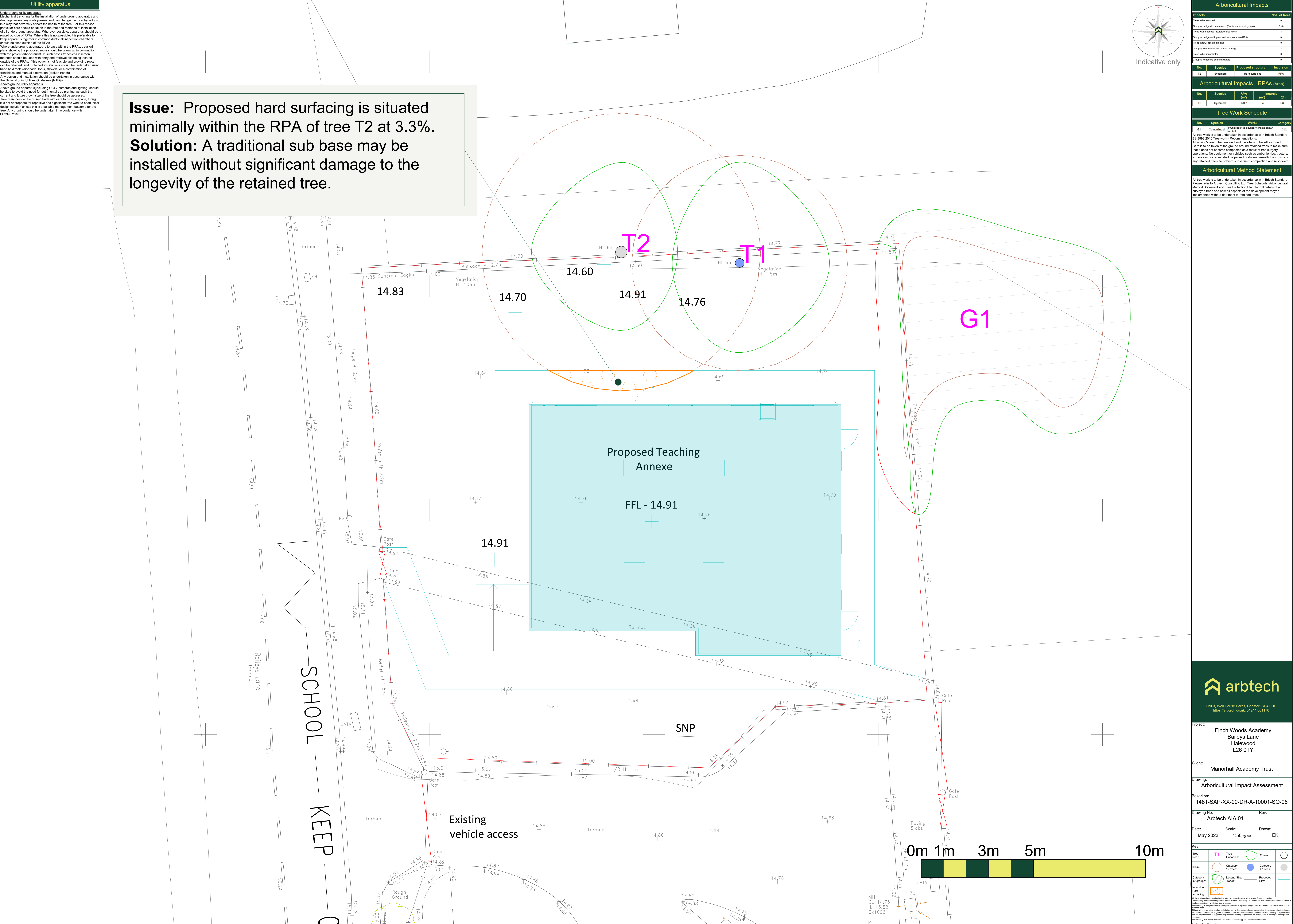
Any design and installation should be undertaken in accordance with the National Joint Utilities Guidelines (NJUG).

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 be an 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 hard surfacing is situated minimally within the RPA of tree T2 at 3.3%.

Solution: A traditional sub base may be installed without significant damage to the longevity of the retained tree.



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Project: Finch Woods Academy
Baileys Lane
Halewood
L26 0TY

Client: Manorhall Academy Trust

Drawing: Arboricultural Impact Assessment

Based on: 1481-SAP-XX-00-DR-A-10001-SO-06

Drawing No: Arbtech AIA 01

Date: May 2023

Scale: 1:50 @ A0

Drawn: EK

Key:

Tree Nos.	Tree Categories	Turfs
T1	Category '1' trees	Category '1' trees

RPAs	Category '2' trees	Category '3' trees
Category '2' groups <td>Category '2' groups<td>Category '3' groups</td></td>	Category '2' groups <td>Category '3' groups</td>	Category '3' groups

Incursion - Hard surfacing	Proposed date
Incursion - Hard surfacing	Proposed date

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