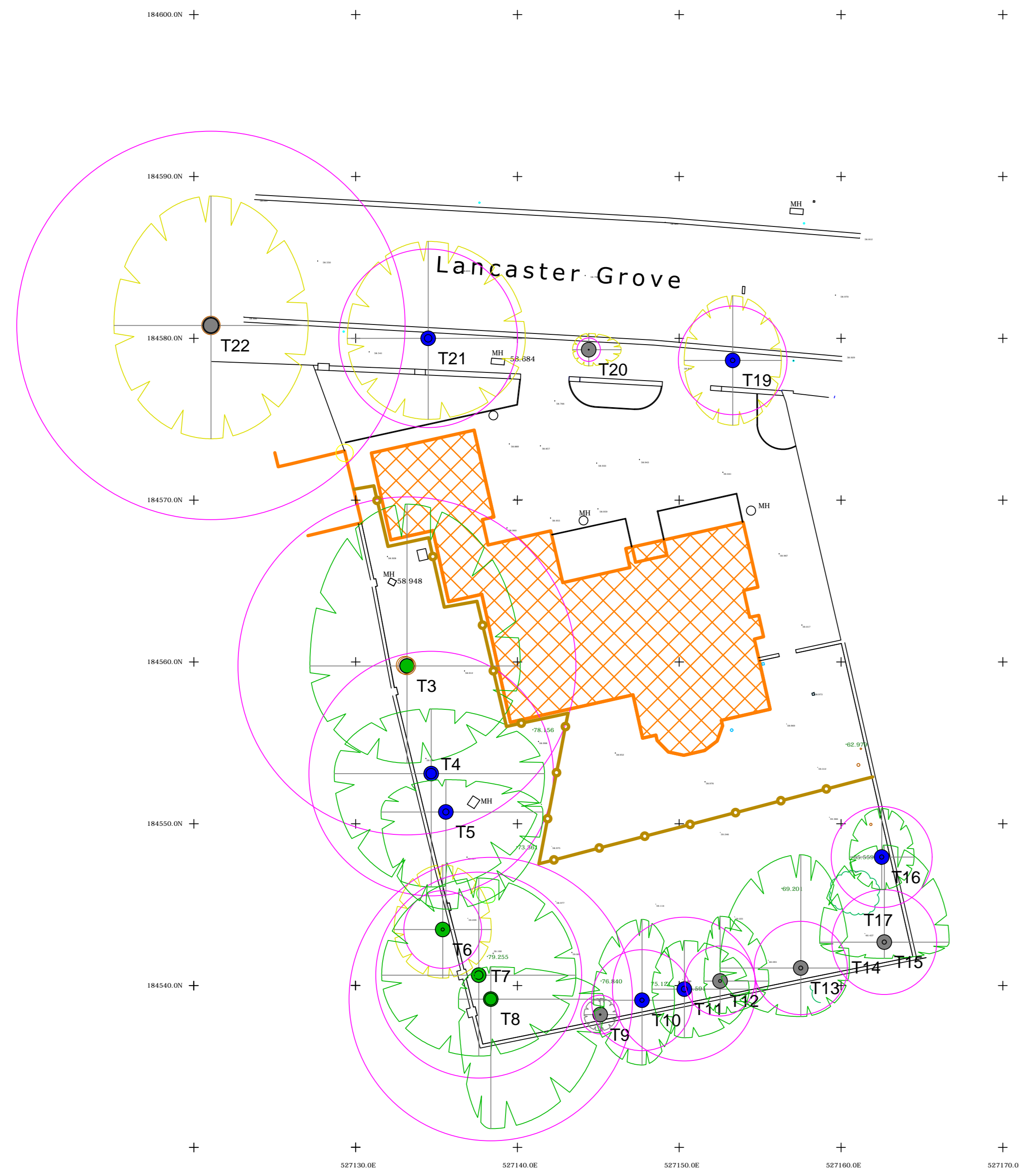
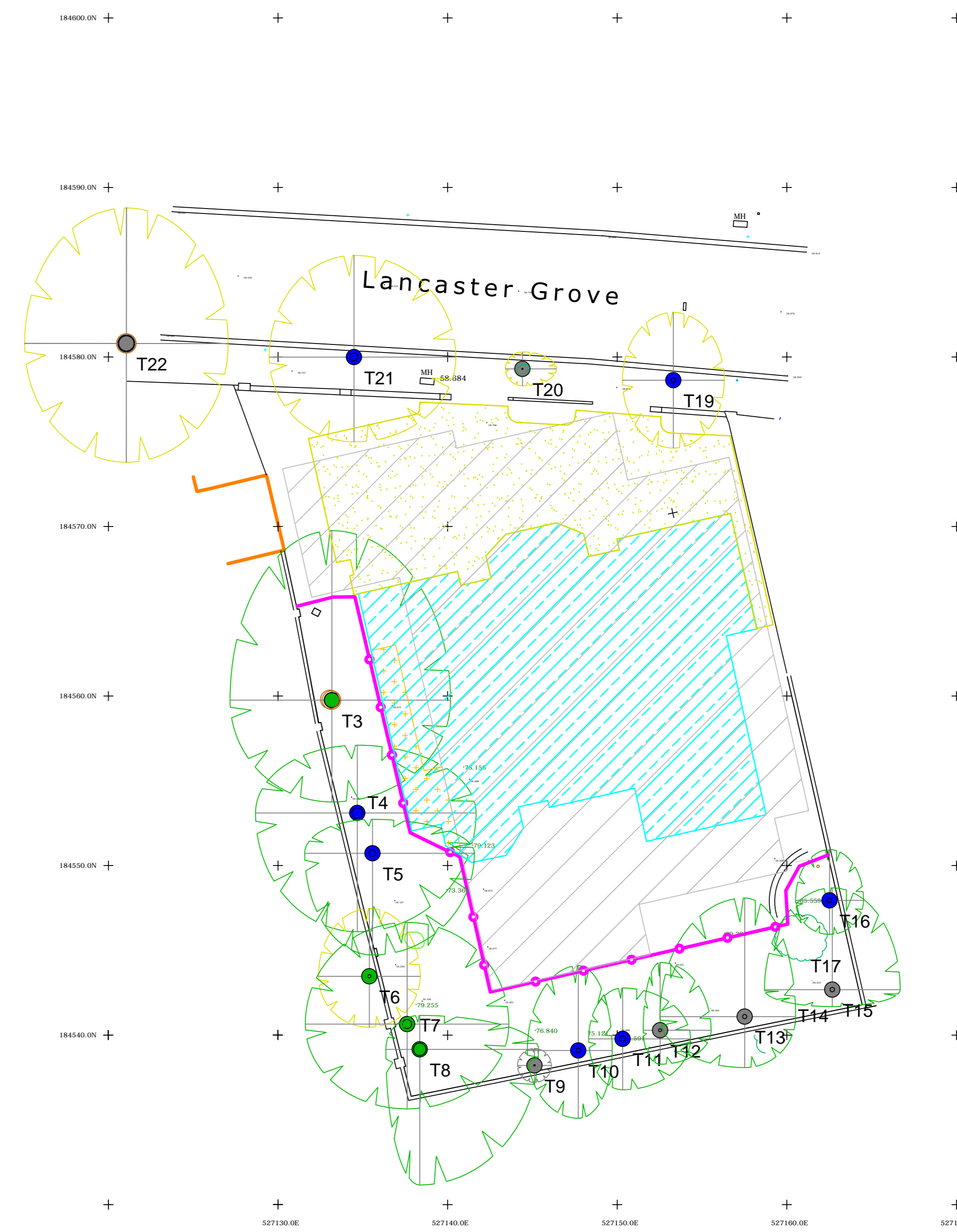


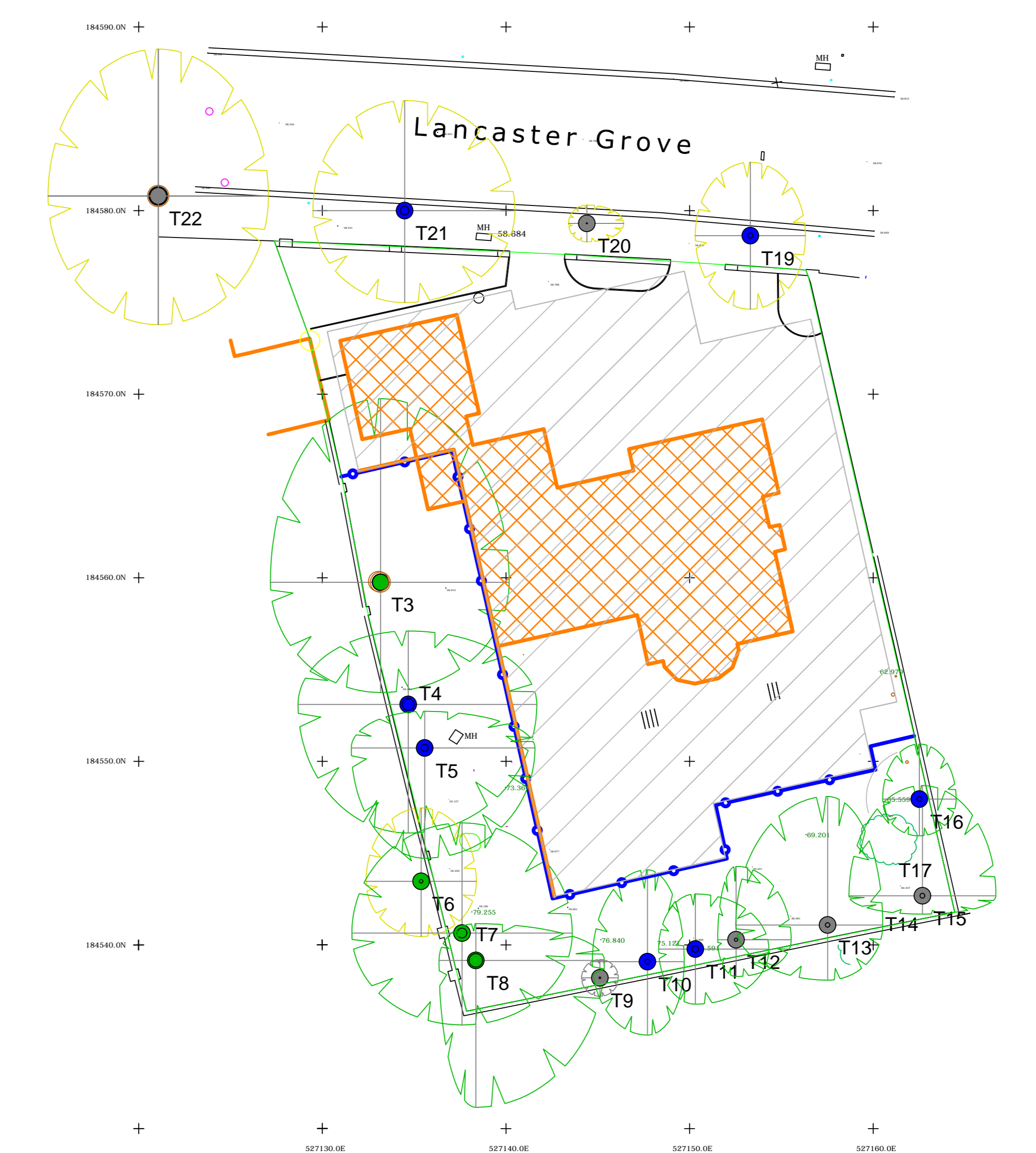
# Demolition Stage



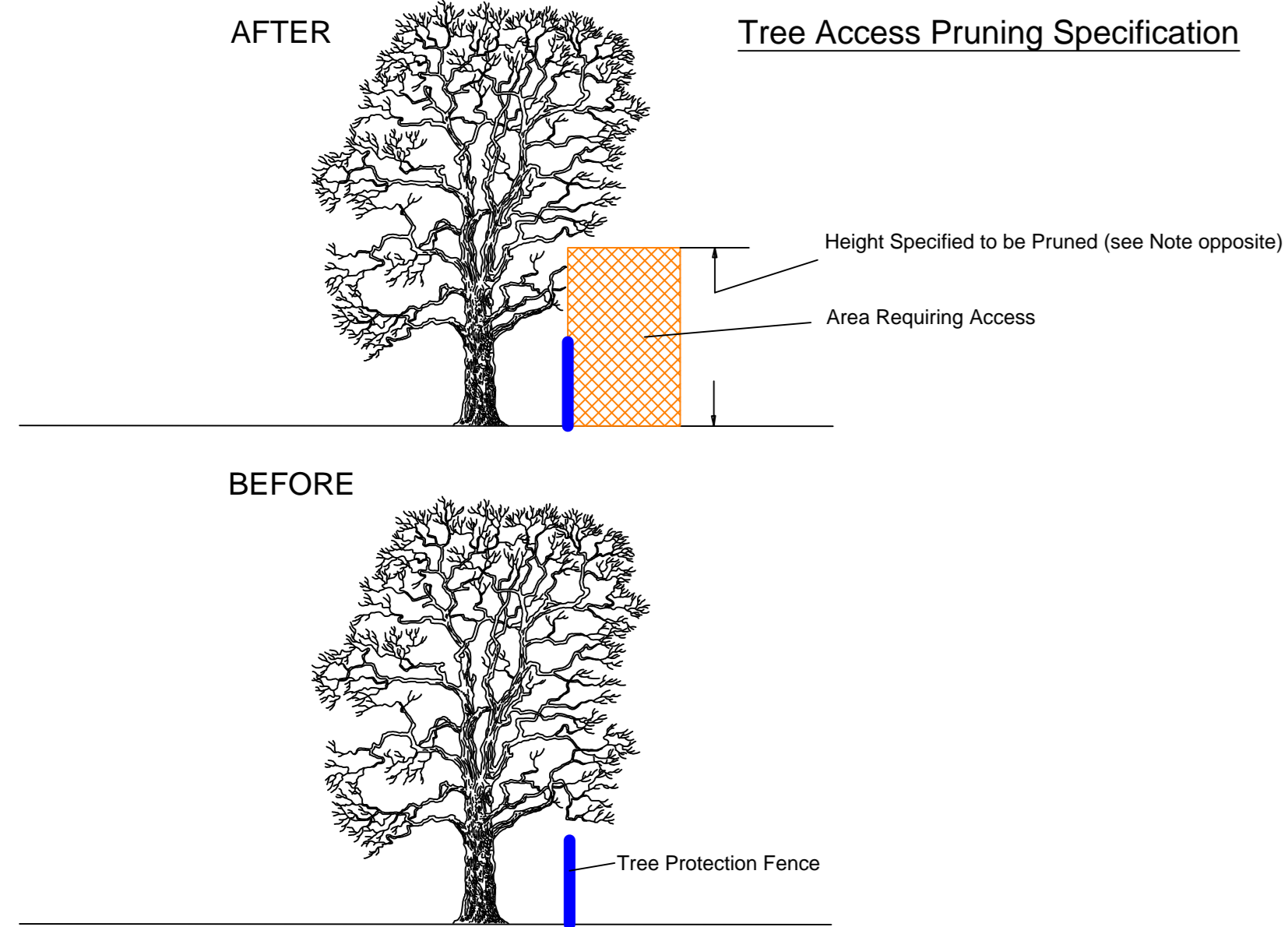
# Above Ground Construction Stage



# Basement Excavation Stage



## Tree Access Pruning Specification



**Tree Access Pruning Specification**

All works shall be carried out by suitably qualified and professional contractors who are clear in the understanding of the specification below and their requirements.

All works shall be carried out using suitable hand saws and these saws should be sharp and in a serviceable condition. The use of chainsaws shall only be used with the agreement of the supervising officer (SO).

All risk assessments shall be carried out by the contractor prior to works commencing and they should be fully satisfied to the conditions and any hazards within the working area. Any concerns should be reported to the SO.

The clearance height should be agreed and included in the schedule of works.

Works beyond this dimension are not to be part of the works unless it involves additional health and safety works to the tree.

The works are designed to provide access to the working area during the construction period and if the access is to be required beyond this period then a tree management programme with the provision for cyclical pruning be agreed.

The guidance and main document providing the recommended guidance is BS3998:2010 Tree Work - Recommendations and this should be followed if any doubt exists with the requirements of the work. Particular sections for reference are Section 7 Pruning and related work, and within this section, 7.2 Minimizing the potentially undesirable effects of pruning, 7.6 Crown Lifts, 7.5 Selective pruning and 7.9 Pruning for infrastructure. This is not an exclusive list.

The aim of the pruning should be to provide a natural appearance within the crown and should not be to leave a acute side to the crown of the tree. Final pruning cuts should be considered and where possible to natural target pruning points such as branch unions where branch bark ridges can be used to guide the pruning cuts. Where these points are not available the exposed stub should be as small as possible and an assessment of each individual branch taken by the operative before making the cut.

All cuts should be made so that they do not provide future structural issues such as weak forks and loss of structural integrity. If there is any concerns regarding the above then this shall be raised prior to works commencing. Branch reductions should be used to eliminate bark rips and tears, they will not be accepted by the client.

All debris should be removed from site and disposed of in an environmentally sensitive way agreed with the SO.

## Tree Protection Specification

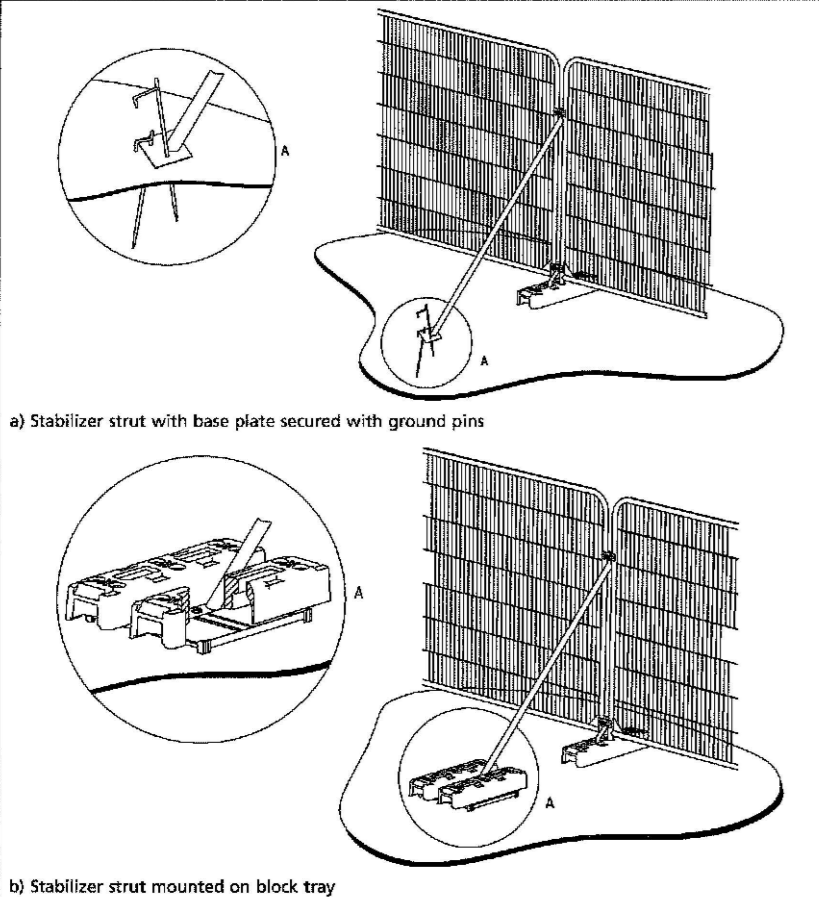
All trees identified for removal should be removed prior to the start of works.

An assessment of crown impacts should be carried out by the Consultant Arboriculturalist or the Clients Landscape Manager, so that any potential requirements for access pruning have been assessed.

Any access pruning should be carried out prior to the installation of the Tree Protection Fencing and carried out to the standards set out in BS3998:2010 Tree Work - Recommendations. Please see specification provided opposite.

Tree Protection Fencing should be to the specification below:

Figure 3 - Examples of above-ground stabilising systems



Tree Protection should be form of braced Herts fencing panels secured with anti tamper clips and with supports fixed into the ground to prevent movement once installed. Manufacturers' recommendations should be provided to assure correct installation.

The Tree Protection Fencing position will be adjusted through the works in line with the Construction Phasing Plans as existing hard surface retention will be used to avoid any soil compaction during the main excavations and foundation works.

All personnel should be made aware of the protected areas and instructed to keep them free of materials, waste and excess soil. Soil disturbance should be prohibited and travel of any kind, including foot traffic should also be excluded within the root protection area (RPA) unless previously agreed and adequate ground protection has been installed. The use of retained sections of existing hard surface will be used to allow for work within the RPA and this will be shown within the Construction Phasing Plans. Where foot traffic is agreed within the RPA, single thickness scaffold boards laid over a compressible material on a geotextile, or supported by scaffold should suffice. Where vehicular access through the RPA is agreed an engineer should be consulted to design adequate ground protection methods.

### Working within the Root Protection Areas

It is noted that the development requires in certain parts of the site that surfaces are to be constructed adjacent to retained trees and within their Root Protection Areas. All works within the RPA of the trees should be supervised to ensure that works are carried out with the maximum consideration to the trees.

When operations within the Root Protection Areas require the following precautions must be taken to maintain the condition and health of trees root systems.

- Retention of existing surface as sub base for new surface will be required in all root protection areas
- All excavation machinery will be excluded from the recognised RPA during the works
- Works shall be conducted in such a manner as to prevent physical damage to roots, such as soil compaction or root severance.
- Provision for water and oxygen to reach the roots must be made and the soil structure must have minimal disturbance.
- Provision must be made for future root growth and precautions taken to ensure that such root growth does not cause unacceptable levels of damage to the finished construction.
- The soil must not be compacted and soil bulk density must be maintained at suitable levels for tree root growth and function. In this respect a soil bulk density of over 1.6g/cm<sup>3</sup> will impede root growth and function.

Once the works are completed the Tree Protection Fencing should be erected in line with the position on the plan.

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  - This drawing should be read in conjunction with all other relevant drawings and specifications.

## Legend

- Tree To be Retained with Canopy Spread plus BS5837 Category Centre Circle
- Off Site Tree To be Retained with Canopy Spread plus BS5837 Category Centre Circle
- T202** Tree Number
- Existing Building
- Root Protection Area
- Extent of Basement
- Extent of Piled Foundation/ Suspended Floor
- Tree Protection Fencing Demolition Phase Position
- Tree Protection Fencing Basement Excavation Phase Position
- Tree Protection Fencing Construction Phase Final Position
- Proposed Building Hard Surfacing
- Proposed Building Ground Floor Footprint

1m SCALE 1:200

Rev	Description	By	Chk	Date



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Project **22 Lancaster Grove, London**

Title **Tree Protection Plan**

Status **Issue** Scale **1:200 @ A0** Date Created **18 March 2016**  
Project Leader **BW** Drawn By **BW** Checked by **BW**

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