

Tree Protective Fencing



TSP - Stem Protection.
To be protected from impact damage by Boarding or Plywood Boxes constructed clear of the stem. Boxes are to contain compressible material to absorb shock loading. To be located where vehicles may come into direct contact with existing trees.



TPF1 - Tree Protection Fencing.
This is to be provided by Braced Frames Fencing or solid panels. Post-holes shall be excavated by powered hand auger or low ground-pressure plant working of ground protection or outside the Precautionary Zone. Alternative more traditional post supports such as the Heras Steadfast system with an additional brace can be used where this can be pinned into position and fitted with an Anti-Tamper Coupler.

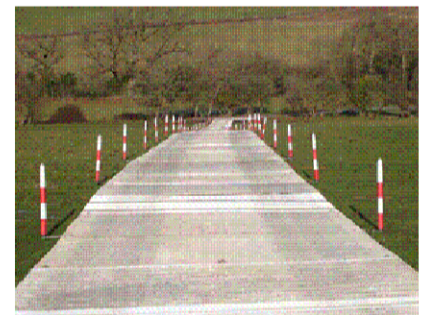


TPF2 - Tree Protection Fencing.
This is to be erected as a temporary barrier to protect areas designated for later construction or landscaping the Precautionary Zone. This shall consist of Heras type panels mounted onto rubber/concrete 'boots' as shown opposite.



Type 3 Tree Protection Fencing (TPF3)
This is to be erected as a visual barrier to protect areas designated for no or later construction. Consisting either stock fencing, post and rail fencing, Chestnut Pale fencing or Orange Extruded Plastic Netting.

Ground Protection



No Dig - Ground Protection GP1 - Option 1
For lower traffic areas, where heavy vehicles are expected, substitute compacted stone infill with a temporary above ground Trackway. This avoids the need for excavation and limits the weight of material build up and limits compaction when installed with compressible sub-surface.



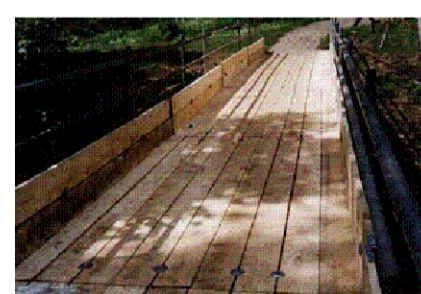
No Dig - Ground Protection GP1 - Option 2
For high use areas or where heavy vehicles are expected, substitute traditional dig out and compacted stone infill with an above ground Cellweb or similar, to avoid the need for excavation and limit compaction - may be retained as a porous sub base for hard Surfacing within the scheme.



No Dig - Ground Protection GP1 - Option 3
Void forming system such as Permavoid or ArborRaft act as a protection to the tree roots and avoid the need for excavation. These systems also limit the weight of material build up and can be installed with compressible sub-surface. - may be retained as a porous sub base for hard surfacing within the scheme.



Ground Protection GP2 - Option 1
Where pedestrian-operated plant up to a gross weight of 2t are forecasted, proprietary, interlinked ground protection boards are available; such as DuraDeck or Ground Guard. These can limit compaction when installed with compressible sub-surface.



Ground Protection GP2 - Option 2 - For more permanent small plant and pedestrian movements ground protection in the form of a single thickness of scaffold boarding supported by scaffold, as opposite, can be adopted to bridge areas and avoid compaction.



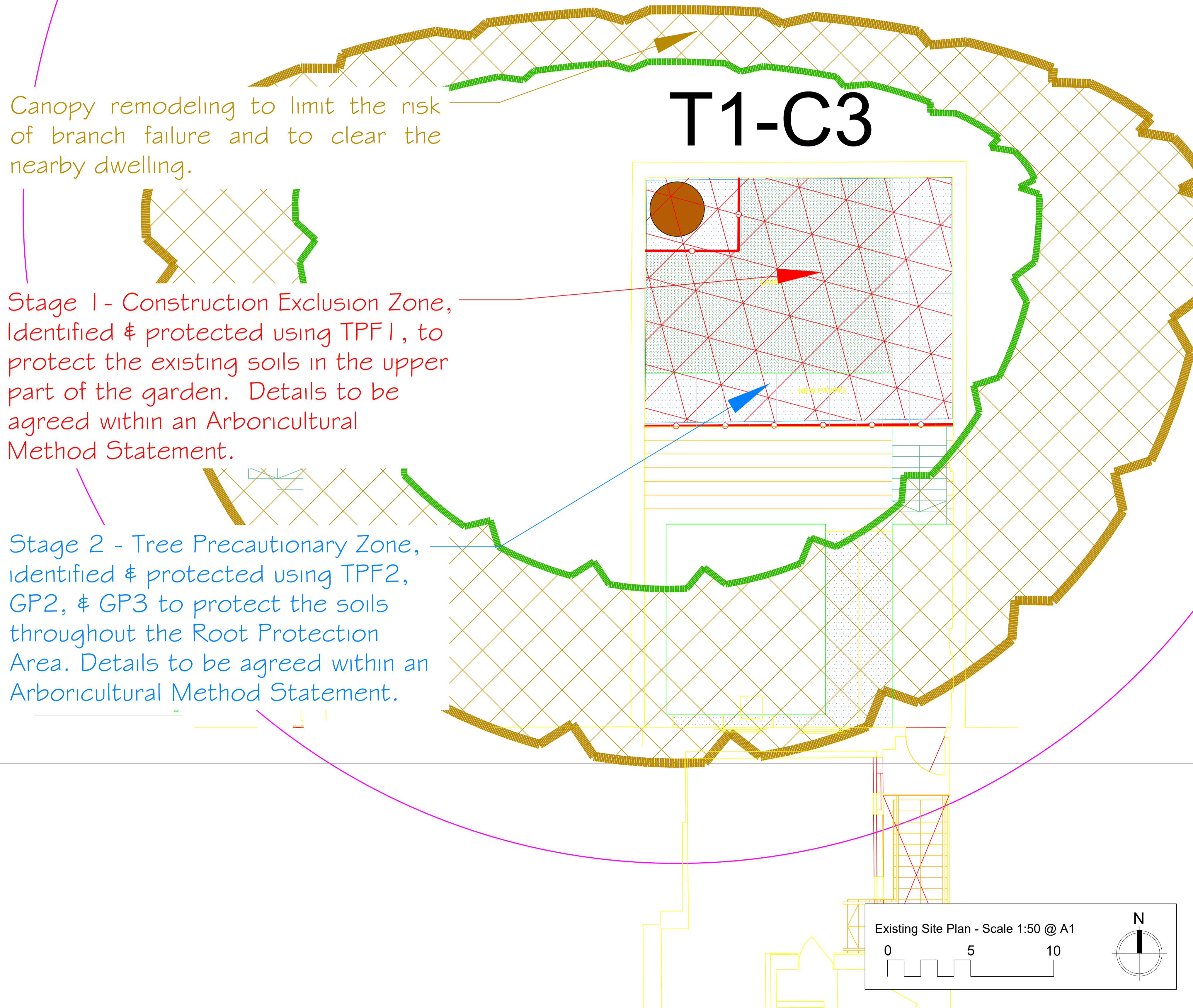
Ground Protection GP3 - For Pedestrian movements ground protection in the form of a single thickness of scaffold boards or plywood on top of a compressible layer (Woodchip) laid onto a geotextile, or supported can be used to form the access or provide a sub base to other ground protection.

Canopy remodeling to limit the risk of branch failure and to clear the nearby dwelling.

Stage 1 - Construction Exclusion Zone, Identified & protected using TPF1, to protect the existing soils in the upper part of the garden. Details to be agreed within an Arboricultural Method Statement.

Stage 2 - Tree Precautionary Zone, identified & protected using TPF2, GP2, & GP3 to protect the soils throughout the Root Protection Area. Details to be agreed within an Arboricultural Method Statement.

T1-C3



This plan should be viewed in COLOUR a monochrome copy should not be relied upon, the plan should be viewed in conjunction with the Assessment BA5499.

Please do not scale from this drawing. All dimensions should be checked on site, any errors or divergences should be brought to the attention of Barnes and Associates.

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Symbol Guide:

- Retained Tree complete with minimum Root Protection Area (RPA) as the magenta circle.
- Tree Removed - Prior to construction. * Care required when located within the RPA of Retained trees. Stumps to be removed by grinding rather than excavation.
- Retained Tree requiring pruning to improve safety or enable construction complete with the minimum Root Protection Area (RPA) as the magenta circle. Section of the canopy to be reduced or remodeled is indicated by the hatched section.
- Location of Tree Protection Fencing.
- Proposed New Tree Planting.
- Construction Exclusion Zone - (CEZ)**
All CEZ shall be treated as 'NO-GO ZONES' for site works and these will be protected by appropriate Fencing & Ground protection.
- Tree Precautionary Zone - (TPZ)**
All PRECAUTIONARY ZONES shall be appropriately protected before the start of the works and these will be protected to limit excavation, root loss or damage & limit compaction of the underlying soils.

Typically this will be achieved using Tree protection fencing (TSP), (TPF1), (TPF2) & (TPF3), which is suitable for the perceived intensity of development, is to be installed immediately after the tree works & before the start of the project.

Ground protection (GP1), (GP2) & (GP3) suitable for the expected weight and intensity of traffic, shall be installed immediately following the tree pruning operations.

Client:
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Site:
106 Great Russell Street, London. WC1B 3NB

Drawing Title:
Arboricultural Impact Assessment Plan

Scale: **1:100 @ A1**
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