

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 Herras 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 Precautinary 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.

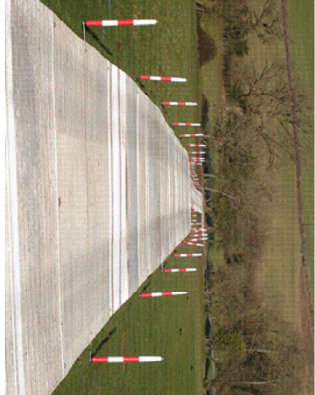


TPF2 - Tree Protection Fencing.
This is to be erected as a temporary barrier to protect areas designated for later construction or landscaping the Precautinary Zone. This shall consist of Heras type panels mounted onto rubber/concrete boots as shown opposite.



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.

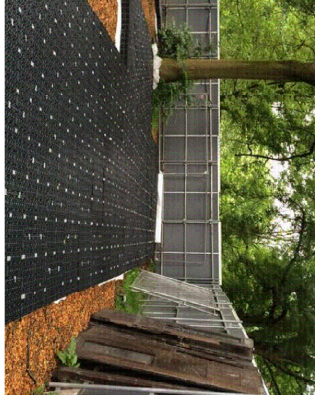
Ground Protection



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 **Gelweb** 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 **ArborKart** 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.



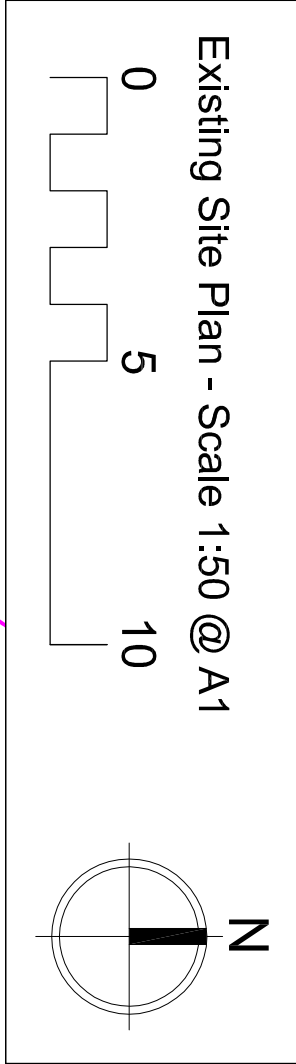
Ground Protection GP2 - Option 2 - For more permanent small plant and pedestrian movements ground protection in the form of a single thickness of scaffold boarding supported by scaffold, as opposite, can be adopted to bridge areas and avoid compaction.



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.

Construction Exclusion Zone,
Identified & protected using TPF1, to
protect the existing soils in the upper
part of the garden and to prevent
storage of possible leachates.
Details to be agreed within an
Arboricultural Method Statement.

Canopy remodeling to improve
safety and to avoid abrasion on
neighbouring buildings to provide
minimum of 1M clearance.



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 form 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. Stumps of the canopy are to be removed as indicated by the hatched section.
- Location of Tree Protection Fencing.
- 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 Precautinary 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.

Client:

Artemide c/o
SDA Architects LTD

Site:

106 Great Russell Street,
London. WC1B 3NB

Drawing Title:

Arboricultural Impact
Assessment Plan

Scale: 1:50 @ A1

Drawing No: BA5499A1A

Date: 20/09/2016

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