

SET BACK TO FACILITATE REMOVAL OF EXISTING HARD STANDING AND REINSTATEMENT OF HARD & SOFT LANDSCAPING. EXISTING 2M WIDE FOOTPATH TO BE RETAINED AND WIDENED TO INCORPORATE NEW CYCLEWAY LINK TO SHULTERN LANE

SET BACK TO FACILITATE REMOVAL OF EXISTING HARD STANDING AND REINSTATEMENT OF SOFT LANDSCAPING

AN ALLOWANCE HAS BEEN MADE OF 3M TO ENABLE THE ERECTION OF SCAFFOLDING / SITE WORKS TO THE EASTERN SIDE OF THE PROPOSED BUILDING.

BEST EFFORTS ARE TO BE MADE TO ENABLE THE RETENTION OF EXISTING TREES WITHIN THE AREA BOUNDED BY TREE PROTECTION FENCING INCLUDING EXISTING UNDERSTORY PLANTING.

BEST PRACTICE IS TO BE INCORPORATED WHEN WORKING IN CLOSE PROXIMITY TO EXISTING TREES TO BE RETAINED IN ACCORDANCE WITH BS 5837:2012 TREES IN RELATION TO DESIGN DEMOLITION AND CONSTRUCTION

SET BACK TO FACILITATE REMOVAL OF EXISTING HARD STANDING AND REINSTATEMENT OF SOFT LANDSCAPING

EXISTING HEDGEROW RETAINED AND AUGMENTED TO FACILITATE NEW PEDESTRIAN ACCESS TO SHULTERN LANE

PEDESTRIAN ACCESS TO BE RETAINED DURING WORKS PHASE, SUBJECT TO PHASING OF WORKS AND MAINTAINING SAFE PUBLIC ACCESS. REFER TO PRELIMINARIES AND SITE ACCESS STRATEGY.

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SET BACK TO FACILITATE PARTIAL REMOVAL OF EXISTING HARD STANDING AND REINSTATEMENT OF HARD & SOFT LANDSCAPING

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**LEGEND**

EXISTING TREES WITH TREE NUMBERS AS INDICATED IN TREE SURVEY REPORT PREPARED BY ARBORICULTURISTS REFER TO THIS REPORT FOR PRELIMINARY RECOMMENDATIONS AND CATEGORY CONDITION

SITE SURVEY SUPPLIED BY METRIX SURVEYS Drawing Reference 170807100 Rev B

- POSITION, NUMBER AND ACTUAL CROWN SPREAD OF TREE
- POSITION, NUMBER AND ACTUAL CROWN SPREAD OF TREE TO BE FELLED ON THE BASIS OF CURRENT HEALTH AND CONDITIONS REFER TO TREE SURVEY REPORT FOR FURTHER INFORMATION
- ROOT PROTECTION AREA (RPA)
- EXISTING TREES PROPOSED FOR REMOVAL TO FACILITATE PROPOSED DEVELOPMENT

**PROTECTIVE BARRIER TO EXISTING TREES TO BE RETAINED**  
A protective barrier, 2.3m high and comprising a vertical and horizontal framework of scaffolding, well braced to resist impacts and securely supporting weld mesh panels. (See per Fig 2 & 3 of BS5837:2012) shall be erected around the base of all trees to be retained on site.

The line of this fence shall be along the tree root protection zone. No construction traffic, fire, materials or debris will be permitted within this zone of protection nor will set back barrier for mitigation works.

**PROPOSED SET-BACK BARRIER TO EXISTING TREES TO BE RETAINED**  
A set-back in the alignment of the tree protection barrier will be used. In such areas, suitable existing hard surfacing that is not proposed for re-use as part of the finished design should be retained to act as temporary ground protection during construction, rather than being removed during demolition. The suitability of such surfacing for this purpose should be evaluated by the project architect and an engineer as appropriate.

Where the set-back of the tree protection barrier would involve removal of ground to construction damage, new temporary ground protection should be installed as part of the implementation of physical tree protection measures prior to work starting on site. New temporary ground protection should be capable of supporting any traffic entering or using the site without being disturbed or causing compaction of underlying soil.

NOTE: Ground Protection might comprise one of the following:

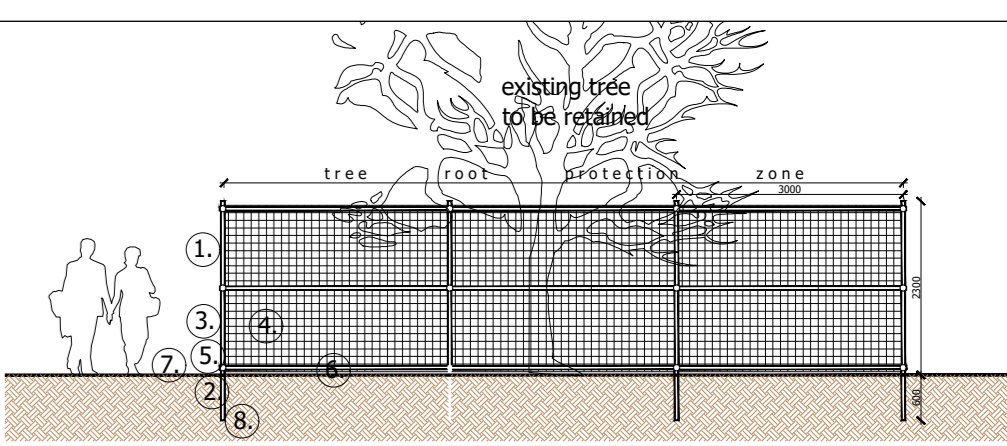
- a) for pedestrian movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, so as to form a suspended walkway, or on top of a compression-resistant layer (e.g. 100 mm depth of woodchips), laid onto a geotextile membrane;
- b) for pedestrian-operated plant up to a gross weight of 2 t, proprietary, inter-locked ground protection boards placed on top of a compression-resistant layer (e.g. 150 mm depth of woodchips), laid onto a geotextile membrane;
- c) for wheeled or tracked construction traffic exceeding 2 t gross weight, an alternative system (e.g. proprietary systems or pre-cast reinforced concrete slabs) to an engineering specification designed in conjunction with arboricultural advice, to accommodate the heavy loading to which it will be subjected.

In all cases, the objective should be to avoid compaction of the soil, which can arise from the single passage of a heavy vehicle, especially in wet conditions, so that tree root functions remain unimpacted.

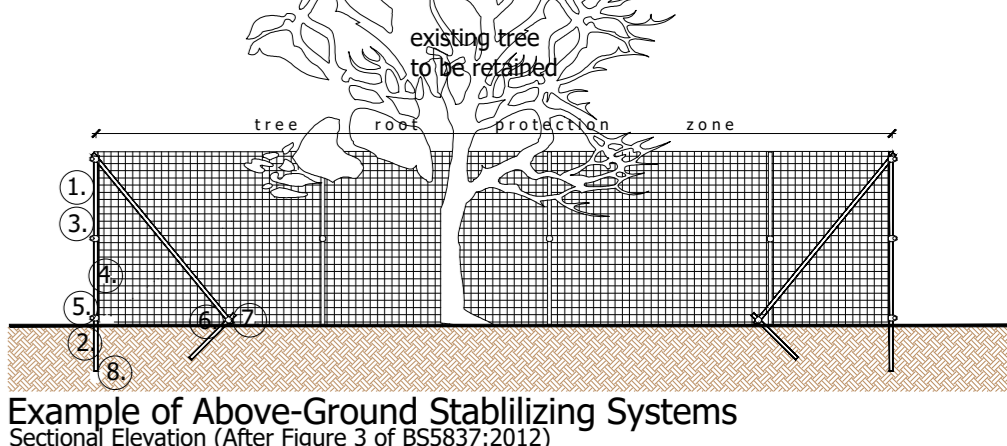
**PROPOSED TREE PLANTING** REFER TO DRAWING NO. 6200 L-100 FOR FURTHER INFORMATION. ALL PLANTING TO BE CARRIED OUT IN ACCORDANCE WITH BS 5837:2012 TREES IN RELATION TO DESIGN DEMOLITION AND CONSTRUCTION

**EXISTING CAR PARK SURFACING**

- NOTE:
- WHERE CONSTRUCTION WITHIN ROOT PROTECTION AREAS IS REQUIRED A HAND DIG METHOD SHOULD BE UTILISED IN ACCORDANCE WITH BS 5837:2012.
  - REFER TO RAG GUIDELINES FOR THE PLANNING, INSTALLATION AND MAINTENANCE OF UTILITY AREAS IN PROXIMITY TO TREES. REFER TO ENGINEER DRAWINGS FOR THE LOCATIONS OF ALL SERVICE LOCATIONS.



Default Specification for Protective Barrier to existing Trees  
Sectional Elevation (After Figure 3 of BS5837:2012)



Example of Above-Ground Stabilizing Systems  
Sectional Elevation (After Figure 3 of BS5837:2012)

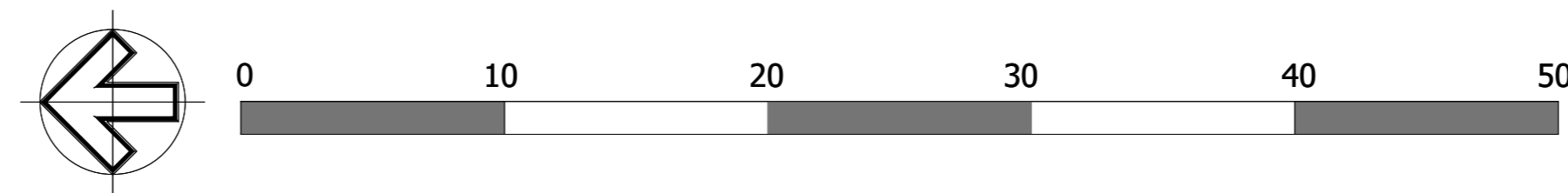
**Protection of trees**  
A protective barrier, 2.3m high and comprising a vertical and horizontal framework of scaffolding, well braced to resist impacts and securely supporting weldmesh panels. (as BS5837:2012) shall be erected around the base of all trees to be retained on site.

No construction traffic, fire, materials or debris will be permitted within this zone of protection.

- 1) Standard Scaffold Poles
- 2) Uprights to be driven into the ground
- 3) Panels secured to uprights with wire ties and where necessary standard scaffold clamps
- 4) Weldmesh wired to the uprights and horizontals
- 5) Standard Clamps
- 6) Wire twisted & secured on inside face of fencing to avoid easy dismantling
- 7) Ground level
- 8) Approx. 0.6m driven into the ground

Tree Protection Fences based on Figures 2 and 3 as per BS 5837:2012

**Scaffolding within zone of protection**  
Where scaffolding is to be established within the 'zone of protection' surrounding retained trees, the existing undisturbed ground surfaces will be protected by a layer of sharp sand, approx. 50 mm thick, overlaid with a geotextile membrane. Stout planks, such as closely side-buttled scaffold boards, will be laid over the geotextile membrane and scaffolding will be constructed on these planks (as BS5837:2012). Additional stays, as directed by a competent person, will be considered where scaffolding is constructed on suspect or un-consolidated ground. Adequate protective fencing, as BS5837:2012, will be maintained between scaffolding and adjacent trees.



Rev	Date	Amendment	Checked	By
D	Jan 2019	Fire strategy amendments	DW	SM
C	Dec 2018	New building layout	DW	SM
B	Nov 2018	Addition of Dimensions	DW	SM
A	Sept 2018	Amended Levels	DW	SM
X	Sept 2018	PLANNING		

**Landscape Architects :**

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**Client :** McAleer & Rushe

**Project :** Proposed Student Accommodation Warwick, Coventry

**Title :** Tree Constraints Plan

**Scale :** 1:250 @A0 **Date :** September 2018 **Dwg.no :** 6290-L-101 D