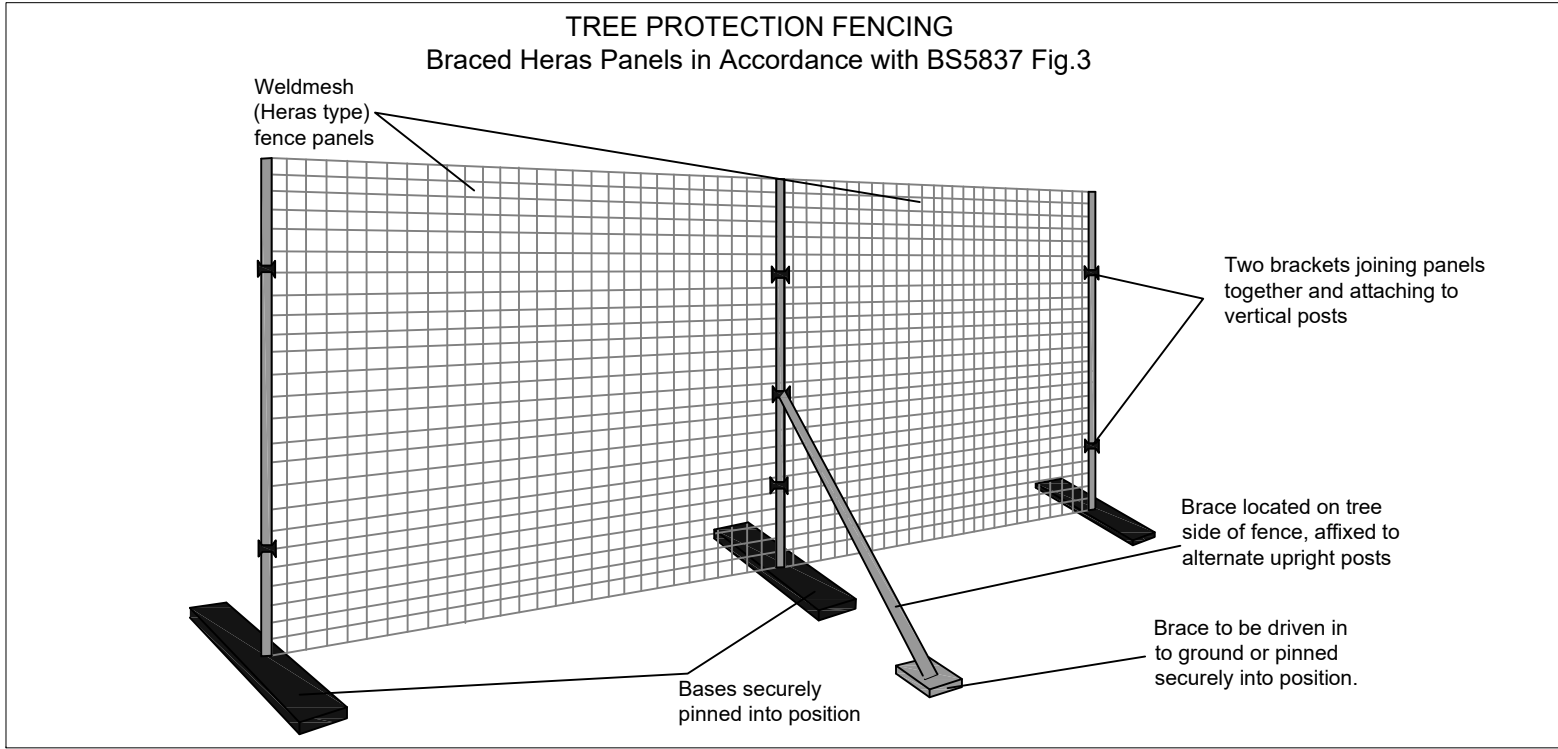


TREE PROTECTION REQUIREMENTS

TREE PROTECTION FENCING:

- The tree protection fencing is to be installed in accordance with BS5837: 2012 Fig.3 using Heras type panels with the fence bases pinned into position and the panels braced on the tree side to ensure the barrier remains rigid for the duration of works on site - see inset for specification.
- The tree protection fencing is to be installed prior to the commencement of any site clearance/demolition works.
- Informative signs (model sign provided at Appendix B) are to be laminated and attached to the tree protection fencing.
- The fencing is to be maintained throughout the development of the site and through to completion of all superstructure works. Fencing is only to be removed immediately prior to landscaping and no-dig hard surfacing works.



TEMPORARY GROUND PROTECTION:

- The ground protection is to be installed at the same time as the tree protection fencing and prior to the commencement of any other works.

- The specified Temporary Ground Protection is to be installed in accordance with BS5837: 2012 as follows:

For pedestrian use only.

- a) Side-buttet scaffold boards (or other non-slip boarding) placed over a layer of compressible material.

- Lay a permeable geotextile membrane over the area to be protected.
- Spread a layer of compression-resistant material over the geotextile (woodchips spread to a depth of 100mm)
- Lay side-buttet scaffold boards or ply boarding over the compressible layer.

- b) Scaffold boards suspended over the ground on a scaffold framework.

- Install a raised scaffold framework across the area of protection.
- Fix scaffold boards or similar to the framework to form a suspended floor over the protected area.

- c) Proprietary ground protection panels.

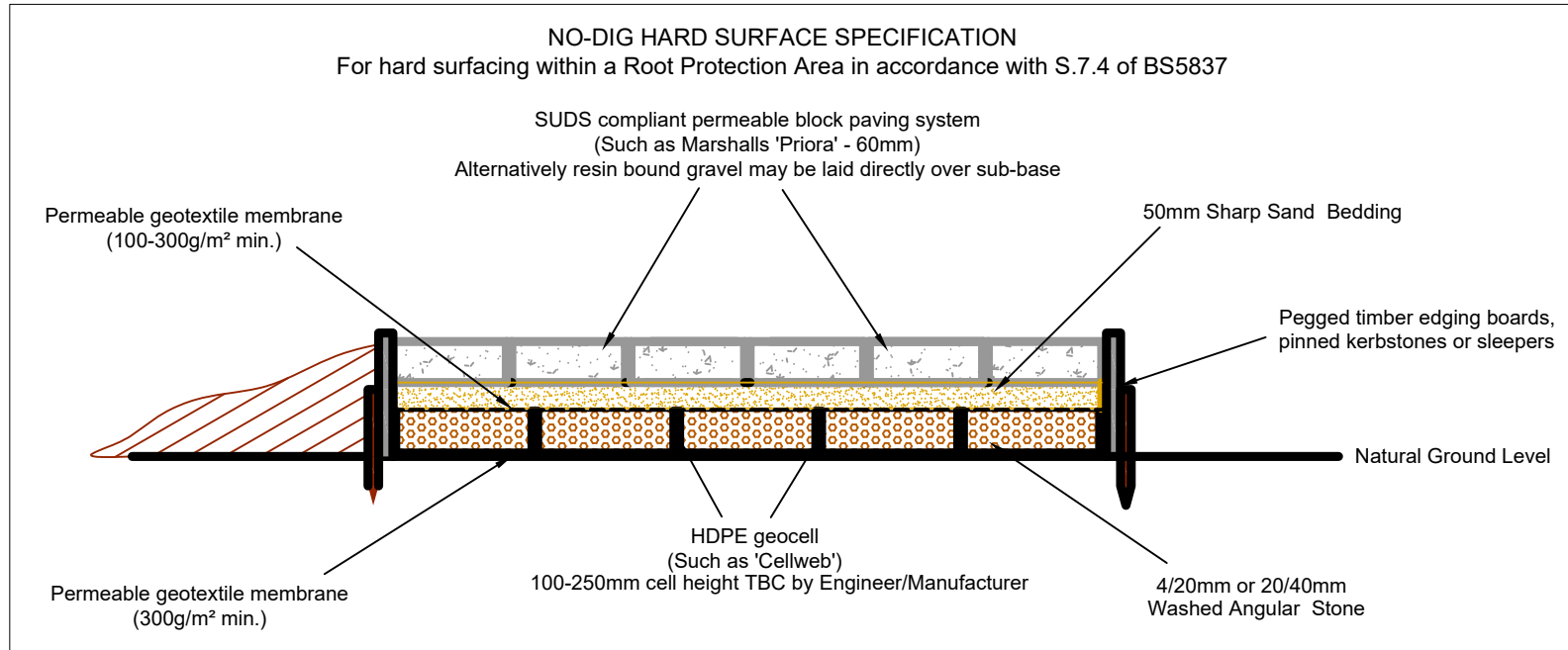
- Hire in and install proprietary ground protection panels, such as *Traxpanels* from TPA Ltd.

HARD SURFACING ADJACENT TO TREES

The areas of 'No-Dig' hard surfacing shown on this plan are to be installed upon completion of the superstructure phase, as part of general landscaping works.

Refer to *Sylvanarb* Arboricultural Report Appendix C for method statement.

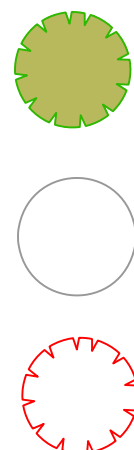
- These areas of surfacing are to be entirely permeable to allow moisture and air through to the underlying soil.
- This is to include a permeable sub-base material (Type 1 roadstone is not acceptable), and a permeable finished surface such as resin-bound gravel, loose gravel or a permeable paving.
- No vehicles or heavy machinery are permitted within the area of no-dig construction until the surfacing has been installed.
- All operations within the specified Root Protection Areas are to be carried out using hand operated tools only. Should this not be practicable a mini-digger may be used assuming a method statement for the work is approved by the project arboriculturist.
- The areas of 'No-Dig' hard surfacing are to incorporate a three-dimensional load bearing system within the sub-base, in accordance with the guidance provided in BS5837:2012. The recommended geotextile membrane and three dimensional cellular confinement system (*Cellweb*) can be sourced from: Geosynthetics, Hinkley (01455 617139), other products are available. The manufacturers guidelines must be followed at all times.



IMPORTANT NOTES:

- To cause damage to the retained trees may result in Planning Enforcement action being taken.
- The specified tree protection measures are to be installed prior to commencement of any other works on site and maintained through to completion of the construction phase.
- All works within the specified RPA's (as shown on this plan) are to be carried out using hand tools only.
- Other than existing hard surface removal, no excavations are to be carried out within the specified RPA's without the prior approval of the Local Authority Tree Officer approval.
- No roots of 25mm diameter or greater are to be damaged or removed without first consulting the project arboriculturist and gaining the approval of the Local Authority Tree Officer.
- The required tree protection measures and restrictions to work practices are to be included in the tender specification when seeking quotes from contractors to carry out the proposed building works.
- The contract manager is to be made aware of their responsibility to ensure tree protection measures are maintained throughout the contract period.

THE SPECIFIED TREE PROTECTION MEASURES ARE NOT TO BE ALTERED OR REMOVED WITHOUT THE PRIOR APPROVAL OF AN ARBORICULTURAL ADVISOR AND THE LPA TREE OFFICER.



Retained Tree

Root Protection Area (RPA)

Proposed Tree Removal
T4

Tree Protection Fencing

Braced Heras Panels
Forming Construction Exclusion Zone
(See inset for specification)

Temporary Ground Protection

(See Tree Protection Requirements)

No-Dig Hard Surfacing

To be installed over existing ground level and in accordance with BS5837.
Refer to inset & Appendix C for specification and method statement
NO EXCAVATIONS INTO UNDERLYING SOIL WITHOUT PRIOR LPA TREE OFFICER APPROVAL

Existing House Converted to Permeable Surfacing

Surfacing to be carried out within the depth of the existing floor slab with no excavations into the underlying soil without first seeking further arboricultural advice/approval.

