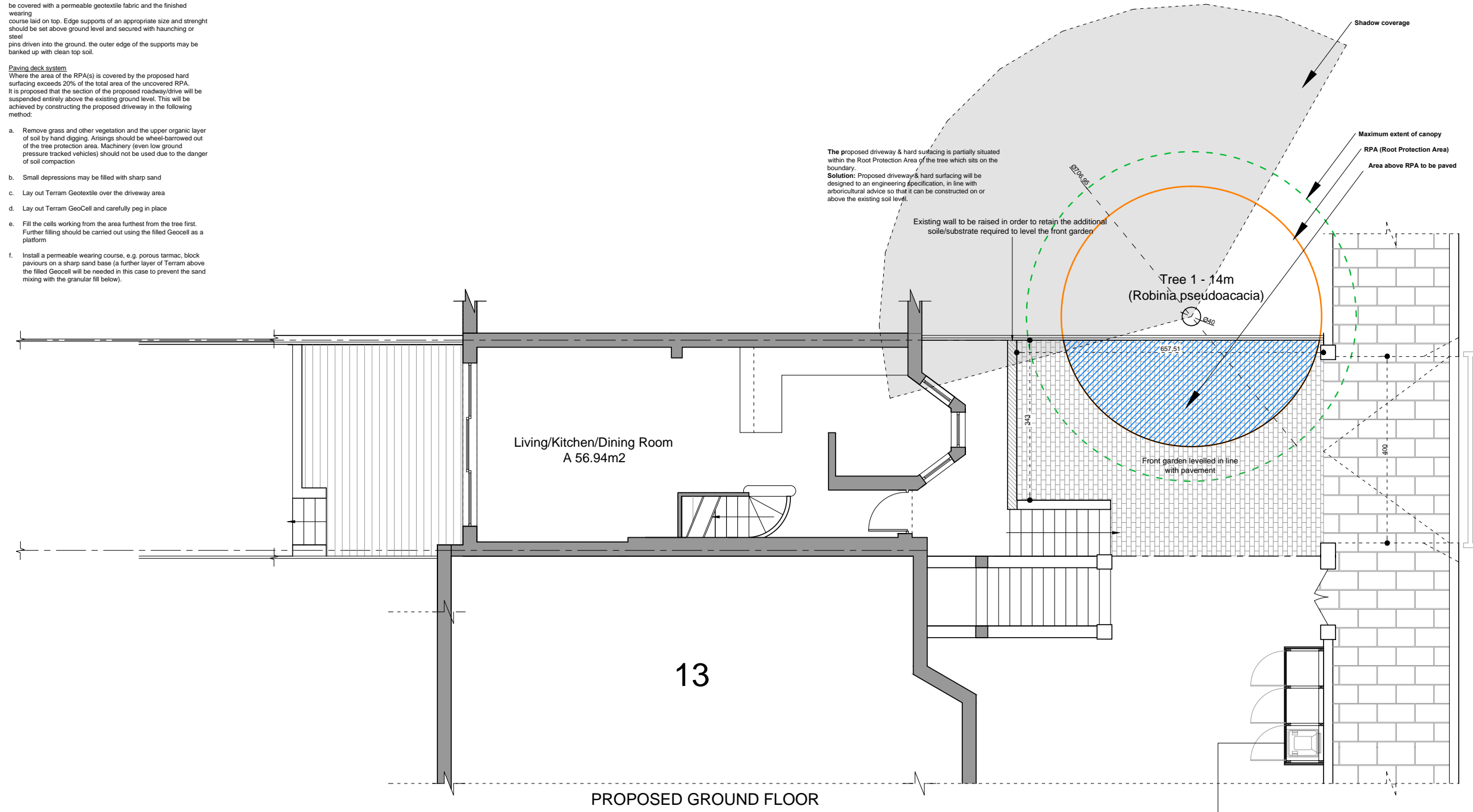


Hard Surfacing within RPA of tree no.1

Multi-dimensional confinement system
 Existing vegetation may be removed with hand tools or sprayed with an approved non residual herbicide such as 'Glyphosate'. The new hard surfacing will be constructed using a 'No Dig' surfacing situated entirely above the existing soil surface and where needed using a proprietary cellular confinement system (GeoWeb or similar) laid over a bi-axial geo-grid (tensar TriAx or similar). Prior to this any small hollows on the surface may be filled with clean sharp sand (not builders sand) to a maximum depth of 150mm. The 'GeoWeb' is to be back filled by hand with a no-fines aggregate of 20mm - 30mm. The area of 'GeoWeb' will be covered with a permeable geotextile fabric and the finished wearing course laid on top. Edge supports of an appropriate size and strength should be set above ground level and secured with haunching or steel pins driven into the ground. The outer edge of the supports may be banked up with clean top soil.

Paving deck system
 Where the area of the RPA(s) is covered by the proposed hard surfacing exceeds 20% of the total area of the uncovered RPA. It is proposed that the section of the proposed roadway/drive will be suspended entirely above the existing ground level. This will be achieved by constructing the proposed driveway in the following method:

- Remove grass and other vegetation and the upper organic layer of soil by hand digging. Arisings should be wheel-barrowed out of the tree protection area. Machinery (even low ground pressure tracked vehicles) should not be used due to the danger of soil compaction.
- Small depressions may be filled with sharp sand.
- Lay out Terram Geotextile over the driveway area.
- Lay out Terram GeoCell and carefully peg in place.
- Fill the cells working from the area furthest from the tree first. Further filling should be carried out using the filled Geocell as a platform.
- Install a permeable wearing course, e.g. porous tarmac, block pavings on a sharp sand base (a further layer of Terram above the filled Geocell will be needed in this case to prevent the sand mixing with the granular fill below).



The proposed driveway & hard surfacing is partially situated within the Root Protection Area of the tree which sits on the boundary.
Solution: Proposed driveway & hard surfacing will be designed to an engineering specification, in line with arboricultural advice so that it can be constructed on or above the existing soil level.



Revisions

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Project
 13E Parkhill Road
 LONDON
 NW3 2YH

Drawing Title
 Arboricultural Method Statement
 (Robinia pseudoacacia)

PHR-07/2015 AR01
 Scale: A1@1:50 A3@1:100
 Drawn by: S. AKAY