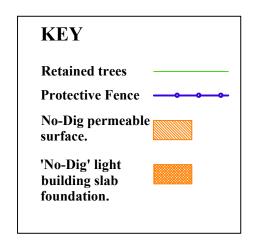


2-and-a-half Rudall Crescent, Hampstead



## ARBORICULTURAL IMPACT ASSESSMENT

The development proposed in the vicinity of retained trees is the removal of a section of raised bed with masonry retaining wall and the construction of a new length of retaining wall with steps to a Store for a Mobility Scooter and Bins. Because of the existing constraints to root system spread (wall, retaining wall) the root Protection areas of the two trees have been modified. Both theoretical RPA circles and the modified area are shown on the Tree Constraints Plan which informs this AIA and the recommended tree protection measures. This AIA is based on the following outline tree protection measures. A detailed method statement covering the contract status construction method and tree protection methods will be required under condition.

The undisturbed section of retaining wall is shown with a stippled hatch. Tree protection barriers are formed of the existing boundary wall, the undisturbed retaining wall and a line of 'Heras' 1.8m height fencing to connect the two walls, as shown on the Tree Protection Plan. The retained upper bed area (where shown hatched as 'no-dig' construction) will be protected by 17mm external quality plyboard placed over a 50mm layer of compressible material, such as bark mulch. These temporary construction period protection measures will be in place prior to the commencement of any development work on site and stay in place until the permanent 'no-dig' surfaces are installed. There will be no Contractor's use of the raised bed protected zone for any purpose, including materials storage. The 'Heras' temporary tree protection fence will be removed at Contract completion.

Where levels are to be reduced (beyond the RPA zone), removal of the section of retaining wall, boundary wall and the retained upper level shall be carefully undertaken so as to retain the soil in the upper level in the tree protection area, where shown on the plan,completely undisturbed. A plyboard shuttering shall be installed immediately along the cut line following careful soil removal to protect the retained upper level soils against drying and erosion. Hand work will be employed where necessary to avoid damage to the retained soil volume. No machinery will be employed in or transit across the tree protection area. Any concrete slab pour for foundations of the new Store slab foundation and retaining wall shall employ DPM-lined formation to prevent the escape of leachate into the surrounding soils.

The upper level hard surface and bin store shall be constructed as the last phase of the build contract after the new ground floor extension is complete. The temporary surface protection can then be carefully removed and a new permeable surface can be installed over a Geogrid reinforced sub-base such as CellWeb. The Store slab will be installed at this stage, followed by the careful construction of the store walls and roof. All work shall be undertaken from protected surfaces within the RPA root zone. Any adjustment of surface levels shall be predominantly by building up with a high sand content soil and no level reduction of more than 100mm will be allowed in the new surface construction within the tree protection area. These simple measures should allow the development of the ground floor bedroom and new access arrangement while retaining the two trees successfully.



DAVID BROWN LANDSCAPE DESIGN

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TREE PROTECTION PLAN

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