

Detached Carport : Hall Place Cottage, South Street, Havant. PO9 1DA

Arboricultural impact assessment and tree survey in accordance with BS 5837 "Trees in relation to Construction"

Tree specimen T1 located at the South East of the site set alongside the boundary wall and T2 middle of south boundary 3.1 m from the south boundary wall. As a group around Hall Place the trees make an important contribution to the Conservation Area.

Tree Schedule	
T1 category 3 Evergreen Holm Oak	Category B – confined by masonry boundary walls, 4 stem - ht approx 12-15m with stem dia's 350mm@ 1.5m = 0.7 dia RPA = 8.4m
T2 category 3 Sycamore	Category B – free standing ht approx 12-15m with stem dia 0.7m@ 1.5m RPA = 8.4m
T3 category 3 Sycamore outside site	Category B – single stem free standing ht approx 12-15m with stem dia 0.7m@ 1.5m RPA = 8.4m

The adjacent road and existing brick walls and floor of the proposed carport and adjoining structure confine the roots of T1 which have caused some structural damage to the gate pier and adjacent east boundary wall, local wall repairs are on going. T1 +T2 are viable trees, the extent of new construction is minimal and unlikely to be detrimental to either tree. T3 is identified as being within 30m but outside ownership and the site. All of the trees have thrived in there locations and use of the courtyard by vehicles, constrained by the local structural features.

Conversion of the lean too store as a carport will reduce seasonal nuisance from sap and bird roost dropping. The depth of foundation pad construction will be determined by the presence of any substantial roots.

Tree protection during construction

8.4 m radius Root Protection Area to T1 +T2 both tree stems are safely protected by there immediate environments. The RPA's are within the carport foot print and existing driveway/ courtyard area. T3 is outside the site and away from the works.

The carport foundation will be formed as two square pads 750 mm² with shallow hand excavated ground excavation of maximum 450mm to avoid root disturbance to locate structural frame posts supporting roof beams. Where substantial roots are encountered, a small bore pile solution will be adopted.

The works replacement of existing angular gravel ground surface to be retained as base course of the courtyard, the house floor level will accommodate the paving level, with sustainable brick pavior surface over all, over a geotextile membrane providing permeable sustainable urban drainage. No ground level reduction

within root protection zones.

The new surface will be tolerant to deformation by tree roots and allow for growth and movement around the trees, continuous as the carport floor.

T1 adjacent to the south gate pier is set in an area of raised soil, the entrance has well compacted sub base to be nominally reduced to accommodate pavings graded to pavement level. T2 is located in the fenced garden area.

The confined site area cannot create an exclusion zone in the RPA's.

Avoid damage to roots:

Roots, whilst exposed, should immediately be wrapped or covered to prevent desiccation and to protect them from rapid temperature changes. Any wrapping should be removed prior to backfilling, which should take place as soon as possible.

Roots smaller than 25 mm diameter may be pruned back, making a clean cut with a suitable sharp tool (e.g. bypass secateurs or handsaw), except where they occur in clumps. Roots occurring in clumps or of 25 mm diameter and over should be severed only following consultation with an arboriculturist, as such roots might be essential to the tree's health and stability.

Prior to backfilling, retained roots should be surrounded with topsoil or uncompacted sharp sand (builders' sand should not be used because of its high salt content, which is toxic to tree roots), or other loose inert granular fill, before soil or other suitable material is replaced. This material should be free of contaminants and other foreign objects potentially injurious to tree roots.

South Street, view north

T1



Hall Place, view west

T1 T2 T3

Close proximity to
boundary wall



The Parchment, view north east
T2 T1



The Parchment, view north T3 outside site



Hall Place, garden courtyard view east

T1

T2



Hall Place,
view east

4 Stems

T1



Hall Place, view south

T2



south boundary wall

adjacent fence

adjacent store

Hall Place garden courtyard
view west

T3

Outside boundary fence

