



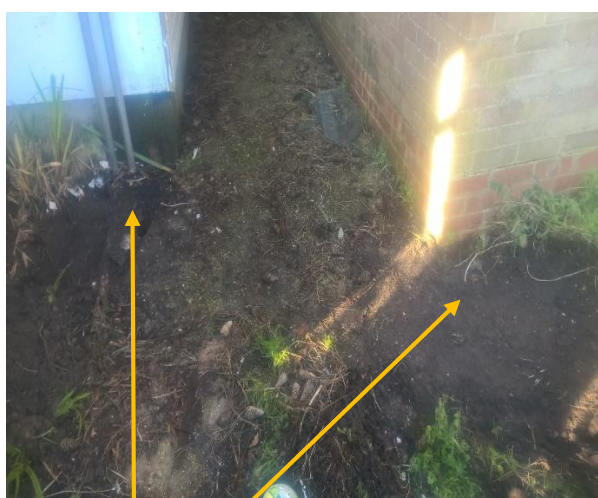
Global Tree Care Limited

www.globaltreecareltd.co.uk

RPA ammendments

15 Billet Avenue
Waterlooville
Hampshire
PO7 7SZ

Site surveyed on 19/01/2016. 13.00pm.
Weather, Sunny, dry, still, good visibility.



Position of test pits dug to ascertain root growth in these areas.

Test Pit A (left)



Test Pit B (right)



Test pit A was excavated to a depth of 14 inches. This then revealed services which prevented further excavation at this point. Apart from small roots from the surrounding vegetation, nor fibrous root mat was encountered at this point.

Test pit B was excavated to a depth of 30 inches. Some small tree roots were encountered and traced back to some small sycamore regeneration growing along the boundary wall. No fibrous roots mat was encountered at this point and no large roots from the *Pinus Nigra* were seen at this point.

The concrete path proved to be a depth of 8 inches at both points. The topsoil proved to have a depth of around 16 inches' depth at which heavy clay soil became prevalent.

It was also observed that the ground levels from the concrete path and the base of the *Pinus Nigra* have been previously excavated, presumably when the existing pool house was constructed. Please see below.



Ground level from the concrete to this level measured at 16 inches.

This would have removed the growing rootmat at the time the existing poolhouse was built. No further test pit excavations could be carried out due to the heavy concrete path and existing buildings present in the calculated RPA.

The root protection area has been calculated using the required BS 5837 algorithm. Please see below.

ROOT PROTECTION AREA (RPA) CALCULATOR

Single stem trees	
Diameter at 1.5m above ground level	RPA
950 millimetres	408.3 m² See Note
	equates to circle with radius of 11.4 m
	equates to square with approx 20.2 m sides
	20% Offset 2.3 m

I have recommended construction procedures in my previous report. Given the test pit results and my recommendations any damage to the rootzone will be minimised and cause very little damage to the tree.

Ian Lansley

19/01/2016

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