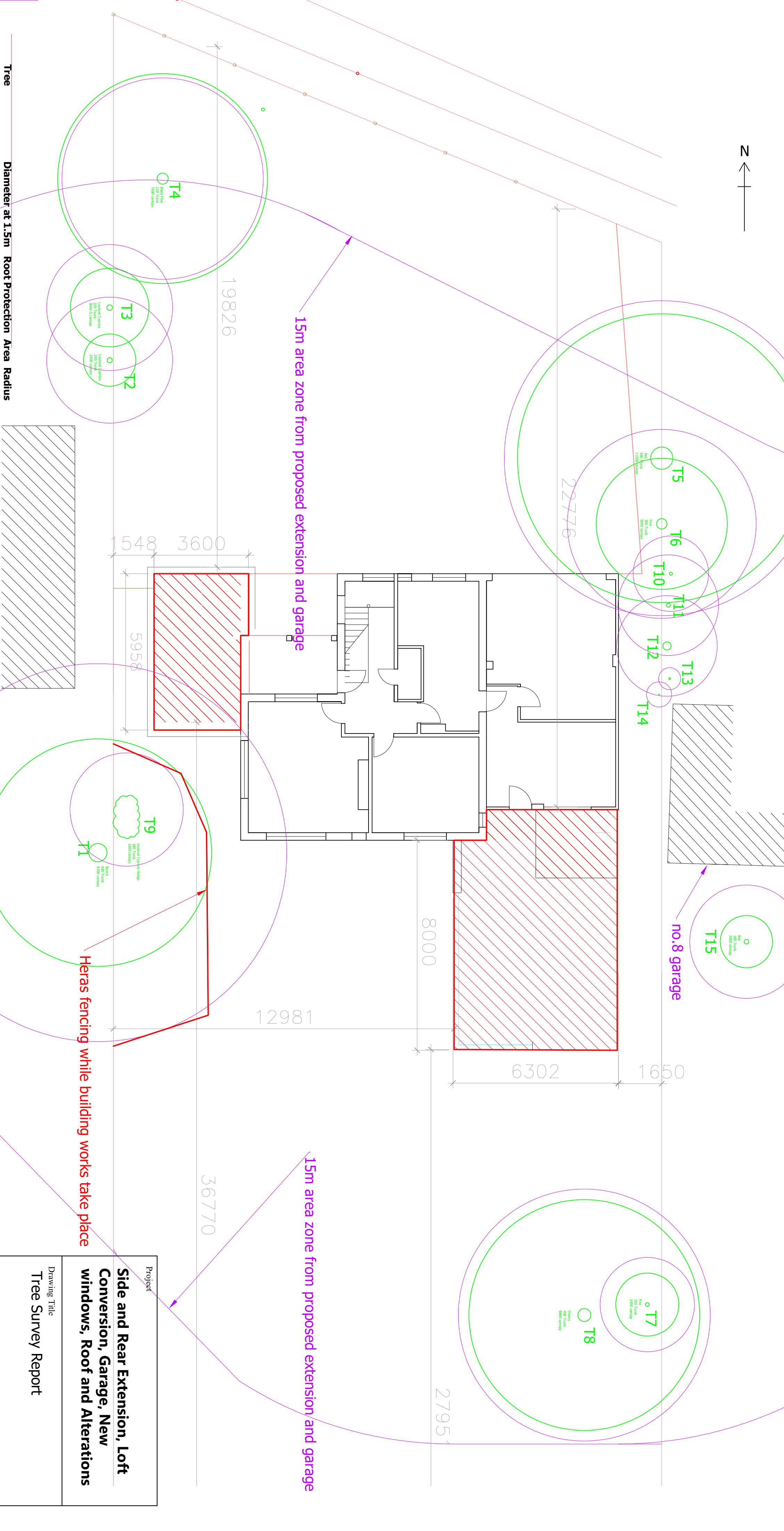
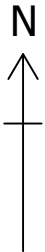




Tree	Diameter at 1.5m	Root Protection Area Radius
T1 Beech	600mm	7200mm
T2 Leyland Cypress	200mm	2400mm
T3 Leyland Cypress	220mm	2640mm
T4 Black Pine	320mm	3840mm
T5 Ash	500mm	6000mm
T6 Yew	300mm	3600mm
T7 Fir	150mm	1800mm
T8 Cherry	400mm	4800mm
T9 Leyland Cypress Hedge	200mm	2400mm
T10 Holly	60mm	720mm
T11 Hawthorn	80mm	960mm
T12 Leyland Cypress	160mm	1920mm
T13 Holly	30mm	360mm
T14 Black Locust	40mm	480mm
T15 Bay	180mm	4320mm

Tree Survey Report

This report has been prepared in support of the the planning application for a ground floor extension and attached garage. The root protection has been calculated using BS 5837:2012) guidance for calculating and applying the RPA

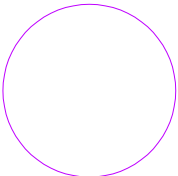
Only one tree T1 is affected by the works. Currently two existing building footprints lie within the RPA of tree along with hard standing areas.

To protect tree root system engineer designed pad and ground beam solution with a cantilever corner nearest the beech tree to NHBC chapter 4.2 building near trees.

Foundation design:

Assuming high plasticity clay soil which the geological maps suggest and a mature beech tree 5m away from the new garage. TBC on site

Pads will be 2-2.25m deep nearest the tree sloping to 1.5m deep at the front. The structure should use a concrete -cased steel ground beam and a beam and block suspended floor with a 300mm void beneath. The ground beams will have 150mm void pads and the beams will have 35mm void material to their inside faces.



Root Protection Area

Project Side and Rear Extension, Loft Conversion, Garage, New windows, Roof and Alterations		
Drawing Title Tree Survey Report		
Client		
6 Folders Lane Burgess Hill West Sussex RH15 0DR		
TEL:		
Scale	1:100 @A2 UNLESS STATED	
Date	10/05/2026	Drawn
Dwg. No	1007	Rev. 0