Arboricultural Impact Assessment

In respect of proposed works at
17b Vernon Road,
Worsborough,
Barnsley,
S70 5BE

for

D. Logan

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CLIENT DETAILS

D. Logan
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THE PROJECT

To erect a single storey rear extension.

THE REPORT

The purpose of this report is to provide support for an application for householder permission ref. 2020/1280 and to demonstrate that the proposed building and construction works will not adversely impact upon the existing tree.
The scope of the report is limited to the tree within the immediate vicinity of the proposed building.

TYPE OF CONSTRUCTION BEING PROPOSED

Traditional construction methods will be employed involving shallow excavation for foundation trenches. There will be no excavation required for services or drainage all of which are taken from existing service points on site and within the existing building.

THE SITE

Refer to drawing 2447:3.
The site is located off a shared driveway adjacent 17 Vernon Road with residential development all around. The proposed construction works are to the rear of the existing house within the private amenity area which is generally laid out flat and contains 1no. mature tree.

STATUS OF THE EXISTING TREES

The site is subject to Tree Preservation Order ref 14/T1 on the local register.

SURVEY DETAILS

The survey details have been prepared in accordance with BS 5837:2012 – Trees in relation to design, demolition and construction, providing an assessment as to the root protection area (RPA) requirements in relation to the proposed development.

Key to Survey

Stem diameter – is measured at 1.50m above ground level or above the root flare in the case of multi-stemmed trees.
Age of tree is expressed as young (y), semi mature (sm), early mature (em), mature (m), over mature (om) and veteran (v).
RPA (radii) – is the normal minimum distance specified in BS 5837:2012, Annex D and which ordinarily influences the siting of protective fencing which, in turn, helps define the 'Construction Exclusion Zone'.

BS 5937 category grading –

U = seriously defective having little value that would most probably be lost with 10 years in the current context
A = tree of high quality with a life expectancy in excess of 40 years
B = tree of moderate quality with a life expectancy in excess of 20 years
C = tree of low quality with a life expectancy in excess of 10 years
1 = tree with arboricultural value
2 = tree with mainly landscape value
3 = tree with mainly cultural value

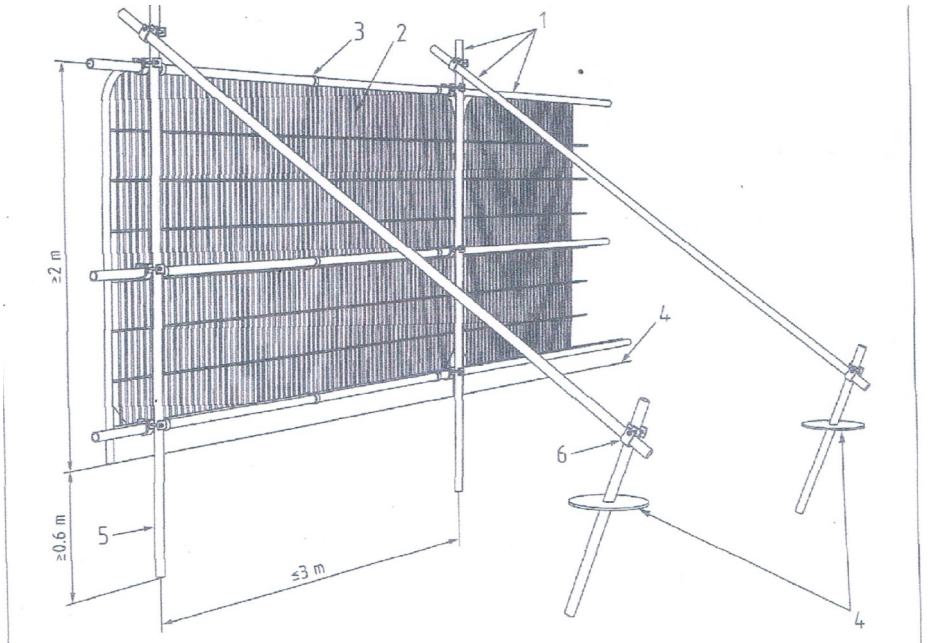
ref	species	stem diam.	height	age class	comments	recommendations	BS category	RPA
14/T1	ash	0.550	12.0	m	canopy spread = 5.000	no action	B2	7.80

TREE PROTECTION DURING CONSTRUCTION

In order to ensure retained trees are protected from unnecessary damage or disturbance, protective fencing will be erected prior to commencement of any site clearance or construction works.

Fencing shall consist of 2.0m high welded mesh panels supported on standard scaffold poles set into firm ground beneath the limit of the tree canopies and at not less than the stated RPA distances from the main trunk.

Illustration of Protective Fence



Key

1 Standard scaffold poles
2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
3 Panels secured to uprights and cross-members with wire ties
4 Ground level
5 Uprights driven into the ground until secure (minimum depth 0.6 m)
6 Standard scaffold clamps

END