



Arboricultural Assessment

M50 Business Park, Ballymount Road Upper, Ballymount, Dublin 12

Prepared for: -
Macro Works Ltd.

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Introduction

Veon Ltd. has been commissioned by Macro Works Ltd. to assess the tree and hedge vegetation within the site area at M50 Business Park, Dublin 12 and to produce an arboricultural report containing the following.

- Tree Survey Plan: all trees and hedges on and adjacent to the subject site (i.e. within falling distance thereof) accurately plotted, tagged, and shown on a scaled drawing of the site.
- Tree Survey Schedule: a summary of the surveyed trees and hedges, recording tag nos., species, size, age, condition, management recommendations, potential targets, useful life expectancy and category grade in line with BS 5837:2012.
(See 'M50 Business Park Tree Survey Schedule' attached).
- Arboricultural Impact Assessment: a thorough, detailed, and realistic analysis and assessment of the likely impacts of the proposed development on the surveyed trees and hedges; along with a summary table of the tree population and quantification of impacts and losses etc. (total number surveyed and total numbers to be retained and removed respectively).
- Tree Protection Plan: a scaled site plan of the proposed development, clearly showing and distinguishing (by colour coding) those trees and hedges to be retained and protected and those to be removed; showing alignments of Tree Protection Fencing and areas to be excluded from construction activities and compound(s), site office(s), plant, equipment, and materials storage. Root Protection Areas (RPAs') of all trees and hedgerows will be clearly shown on this drawing.
(See 'M50 Business Park Tree Protection Plan' attached).
- Arboricultural Method Statement: clear and practically achievable measures to be used during the construction period, for the protection and management of all trees and hedges that are to be retained.

Site Inspection and Methodology

The site area was assessed on the 26th of July 2022. Trees were visually assessed from ground level and the information recorded is in accordance with BS 5837:2012 Trees in Relation to Design, Demolition and Construction. This report should be read in conjunction with the attached site drawings and Tree Survey Schedule. Our Tree Survey Schedule records the following:

- Tree number (metal tags attached to each tree @ 1.5m). Where access to trees was not possible i.e. growing outside of the site area, they have been numbered numerically. Tree lines and hedges growing as one coherent unit have also been numbered numerically.
- Tree species (common and scientific name).
- Positioned and plotted on ArcGIS software (accurate to <10cm).
- Dimensions (height, trunk diameter, crown spread cardinal points, lowest branch and calculated rootzone).
- Age class (young, semi mature, early mature, mature, over mature).
- Physiological and Structural condition (good, fair, poor, dead).
- Comments and observations.
- Targets (roads, properties etc.).
- Management recommendations.
- Useful Life Expectancy in years.
- Category grade (see end of report the BS 5837:2012 category grading system)
- Digital photograph of each tree.

Overall Site Description

Site area outlined below.



- The site area is rectangular shaped and bordered to the north by the public footpath and road (Calmount Rd.); to the east by Petra Management industrial unit; to the south by the footpath and cul-de-sac road within the industrial estate; to the west by the public footpath and road (Ballymount Rd. Upper.)
- A metal fence makes up the boundary around the entire perimeter and there are two vehicular entrances on the southern boundary. The vegetation within the site area is mainly along the inside of this fencing. It was planted as part of the landscaping of this industrial estate so is of a semi-mature age class, small in size and c.20 years old.
- The vegetation on the southern and western boundary is growing out of confined spaces with hard-surfacing on either side. Some trees have failed to establish and are standing dead.



Hedge No.1 along southern boundary with lime trees growing outside the site area



Two upright-hornbeams growing on either side of the secondary entrance gate on the southern boundary.



A group of 4 birch and 1 spruce growing in the south-west corner of site area.



Dead birch at the back of Hedge No.1 in the south-west corner of the site area.



Two birch trees in decline on the western boundary.



Pyracantha hedge and metal railing create an internal boundary on the western side of the site area.

- The northern boundary consists of a semi-mature tree belt of mixed species such as, grey alder (*Alnus incana*), Norway maple (*Acer platanoides*), birch (*Betula pendula*) and upright hornbeam (*Carpinus betulus* 'Fastigiata'). These trees have value as screening and shading along this boundary and have the potential to form the long-term tree cover in this area.



Tree Belt No.1 along the northern boundary.

- There are also three tree groups spread out across the open grass area on the northern side of the site area. There is a lime (*Tilia platyphyllos*), birch (*Betula pendula*) and pear (*Pyrus calleryana* 'Chanticleer') tree group, each with three trees each and of a semi-mature age class.



Group of birch and lime trees in the open grass area on northern boundary.



Group of pear trees also along the northern boundary.

- In the north-east corner there is line of beech (*Fagus sylvatica*) trees that are growing too close to the metal railing and will cause structural damage to it as they grow.