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Arboricultural Addendum Note:

AIA/MF/055/23/revA

**In relation to UCS P200 project - ref: 2023/5366/P: University
College School: Project 200**

REF: AAN01/AIA/MF/055/23/revA

DATE: 13th August 2024

1.0 Introduction

1.1 This Arboricultural Addendum Note has been prepared to provide additional information in relation to tree protection for works within the Root Protection Area (RPA) of the English oak tree (T1) for implementation of development works incorporating construction of terrace and associated landscape features.

1.2 This report and the opinions within it have been produced without prejudice by Marcus Foster a qualified Arboriculturist with over 20 years experience and holding a National Diploma in Arboriculture, the Arboricultural Association's Technicians Certificate, Professional Tree Inspection Certificate (LANTRA) as well as a degree in History and Society. Work experience within the industry includes work as a Contracts Manager for an Arboricultural Association Approved Company, a Local Authority Tree Preservation Officer and an independent Arboricultural Consultant. As a consultant many of projects undertaken are in the inner London Boroughs of Islington, Hackney, Westminster, Camden, Southwark and RBKC, making Marcus Foster familiar with the most recent requirements of development and constraints on urban trees.

1.3 5.1 The arboricultural note has been prepared in relation to BS5837: 2012 'Recommendations for trees in relation to design, demolition and construction' (BS5837: 2012).

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2.0 Arboricultural Addendum Note

2.1 For the external landscape works it is recommended that the following methodology with tree protection measures shall be applied at all times:

Arboricultural supervision to be undertaken for detailed measured survey of existing soil levels on a 400mm grid to enable design solution with tree protection measures



Depending on the outcome of the survey 2 options have been developed to select from, both of which will ensure protection of tree roots:



Option 1:
No dig solution with permeable surface applied

OR

Option 2:
Helical pile system for supporting of terrace with minimal ground disturbance



Further details are set out as below:

Option 1: The creation of a terrace constructed as a no-dig solution:
150mm deep cell web confinement system with clean stone fill
100mm regulating layer clean stone
100mm porous binder course asphalt: hand trowelled
15-18mm permeable bound mixture of stone and resin: hand trowelled

Option 2: The creation of a terrace using a root bridge system with a grid of screw foundations

The location of the screw foundations will be designed to avoid the root system (the Arboriculturist will be asked to map the key roots to achieve this)

The design will be developed with the client and design team (arboriculturist, structural engineer & landscape architect)

The design will include a structure of ground screws to provide a structural base

The ground screws will support a framework of tee section steels, that support a deck. This will be elevated above soil level.

2.2 All works where ground disturbance may be required shall adhere to specifications set out within the AMS. These specify that works shall be undertaken using hand tools only such as this included below or similar for 'Precautionary Area' as highlighted within the TPP:



2.3 All works shall be documented within the Scheme of Supervision and the finalised structural methodology approved by the Tree Officer prior to the commencement of any landscape works in relation to T1.