


# Sidmouth Tyres & Exhausts

## Arboricultural Impact Assessment

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**29th March 2023**

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The logo for Advanced Arboriculture, featuring a large, stylized letter 'A' that incorporates a circular element resembling a tree or a wheel.

# Arb Impact Assessment and Tree Protection Statement

## Attachments

- Arboricultural Data Tables
- Tree Location Plan
- Photographs

## Introduction

### Heads of Terms

This document provides information for the benefit of the local planning authority and the project team, however, the specific tree protection details are contained within the attached Tree Protection Plan, Arboricultural Method Statement and Arboricultural Guidance Sheets.

The document has been prepared based on information available to Advanced Arboriculture Ltd at the time of writing, however, further technical, topographical, arboricultural, architectural, ecological or engineering information may come to light after the relevant arboricultural conditions have been cleared. It is the responsibility of the project manager to draw any changes in the project scope to our attention at the earliest opportunity.

The scheduling and implementation of the tree protection measures detailed in the report also remains the responsibility of the client. Whilst the project team may appoint a suitably qualified third party arboricultural supervisor, Advanced Arboriculture Ltd are able to take on this role subject to the client's formal instruction.

Advanced Arboriculture Ltd shall not be held liable for any unauthorised deviation from the tree protection measures and scheduling detailed within this report.

### Tree Protection Overview

Due to the proximity of the proposed works to Scots Pine T1, and the nature of the existing ground surfacing and retaining features, the above and below ground constraints associated with this tree are not considered to require tree protection measures.

## Arboricultural Impact Assessment

### Discussion

A comprehensive commentary on Scots Pine T1, including full spatial data, is provided within the attached Arboricultural Data Tables with the tree locations shown on the Tree Location Plan. Photographs are attached within the Photographs pages.

Scots Pine T1 is a remnant boundary specimen located to the south of a unit owned by Sidmouth Tyres and Exhausts Ltd, which they would like to alter. T1 is a middle-aged stem with good future potential and high amenity contribution.

It is evident the nominally circular rooting area of T1 is significantly impeded by the presence of hard surfacing and dwarf wall retaining features. Historic excavation and installation of concrete slabs and dwarf walls is clear (please refer to the photographs within this report) and as such, it is reasonable to assume there is significantly less rooting beneath these areas.

The proposals for this site include the installation of a canopy above the existing outdoor mechanical vehicle ramp, to ensure a usable facility year round.

To enable this structure, two steel I beams are required within the nominally circular rooting area of this tree; as previously discussed, the rooting is likely significantly laterally impeded within this area. The beam dimensions are anticipated to be comparable to those within the existing structure to the north-west - 250mm x 140mm. Engineering input is required to calculate the exact size of excavation required to ensure structural stability of the installation, however it will be within the secondary hard surface area which already hosts the ramp itself.

The location of the existing ramp from the main stem of Scots Pine T1 is as follows:

T1 to eastern pillar - 7.0m

T1 to western pillar - 5.0m

A canopy height of 4.0m gives significant clearance between the proposed structure and the crown of the tree.

### Conclusions and Recommendations

Overall, the proposals allow for the retention of the key trees with a negligible risk of any harm as a consequence of construction activities. The site layout is therefore considered to be sustainable from an arboricultural point of view subject to the appropriate care being taken during construction.

Document Title:

## Background Information

Location:

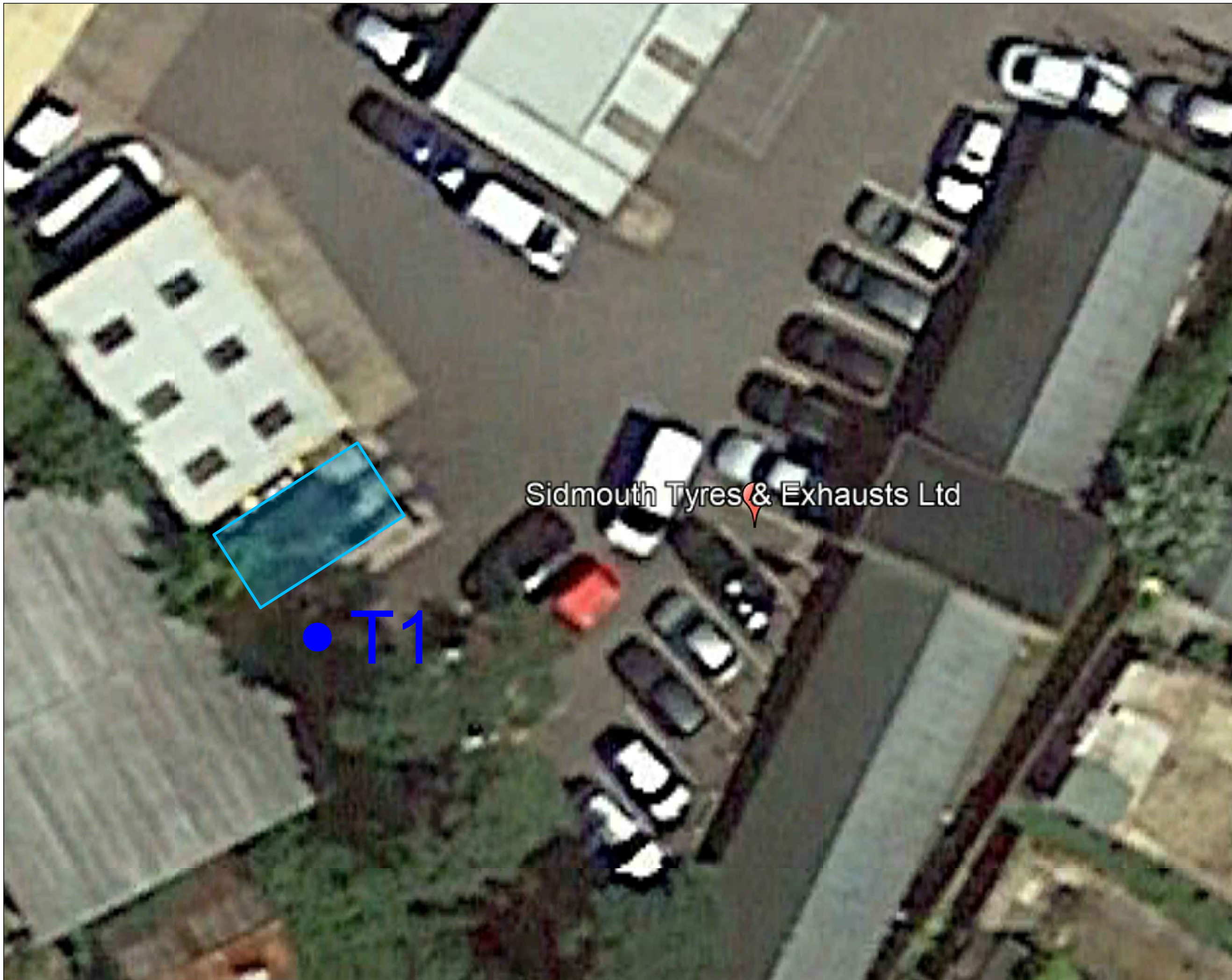
## Sidmouth Tyres & Exhausts Sidmouth

Date:	Project Reference:	Revision:
29.03.2023	JG/B612/0323	1.0
Scale:	Paper Size:	Drawn By:
n/a	A3	JG

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Tree No.	Species	Height (m)	Cr Sprd (m)	Stem Dia (mm)	RPA Rad (m)	RPA Area (m <sup>2</sup> )	LB Ht (m)	Cr Ht (m)	Age Cl	SULE	Cond Phys/Str	Observations	Recommendations	BS Cat
T1	Scots Pine	16.0	N: 4.0 E: 3.0 S: 3.0 W: 4.0	490	6.00	113	6.0/N	4.0	MA	>40	G/G	<ul style="list-style-type: none"> <li>• Good quality specimen adjacent industrial estate</li> <li>• Tree forms north-western end of line of trees in this location</li> <li>• RPA expected to be significantly offset by the signs of historic excavation including service manholes and ground retaining features</li> </ul>	• No works required at the present time	B2





**Key**

- T<sub>n</sub> Category A tree
- T<sub>n</sub> Category B tree
- T<sub>n</sub> Category C tree
- T<sub>n</sub> Category U tree
- Root protection area
- - - Indicative excavation location
- Proposed development footprint

N

**Notes**

- Aerial image copyright Google Maps

Drawing Title:  
**Tree Location Plan**

Location:  
**Sidmouth Tyres & Exhausts Sidmouth**

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Photograph 1: Scots Pine, T1



Photograph 2: Vehicle ramp to be covered with structure

**Notes**

- Copies of these photographs in JPEG format are available from Advanced Arboriculture on request.

Drawing Title:

**Photographs**

Location:

**Sidmouth Tyres & Exhausts  
Sidmouth**

Date: 29.03.2023 Project Reference: JG/B612/0323 Revision: 1.0

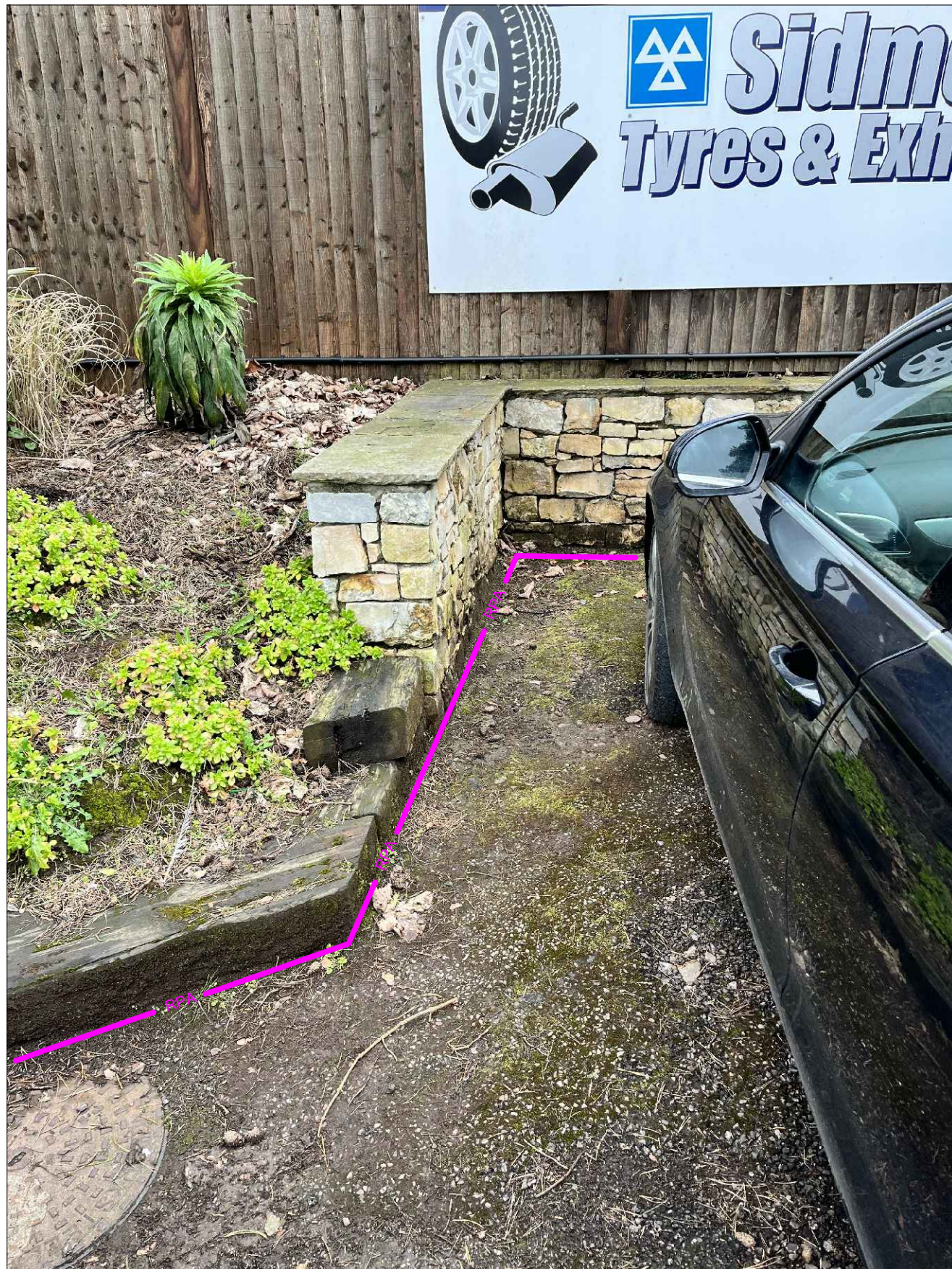
Scale: n/a Paper Size: A3 Drawn By: JG

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**Photograph 1: Main stem of Scots Pine T1 within planter border. Pink root protection area (RPA) line demarcates anticipated edge of significant lateral rooting due to hard surfacing. There may be rooting beyond this edge, beneath the tarmac surface.**



**Photograph 2: Example of the hard surfacing with dwarf retaining wall, indicating likely offset of rooting area. Area of tarmac may host some rooting, albeit in unfavorable, compacted ground conditions.**

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**Photograph 1: Location of drain cover suggests utilities excavation within this surfaced area**



**Photograph 2: Secondary hard surfaced area, hosting external ramp with very low likelihood of any rooting from Scots Pine T1 beneath. New pillars to be installed within this locatio, identified indicatively with red squares. Beams to be installed are 250 x 140mm I beams, as per adjacent existing building structure.**

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