



Location:
**One Capital Court
Barnsley**

Report Type:
**Arboricultural Impact Assessment
Arboricultural Method Statement
Tree Protection Plans**

Ref:
ARB/AE/1917

Date:
August 2018

Wrens Nest, Underhill, Glaisdale, North Yorkshire, YO21 2PF
Tel – 01947 897001 Email: enquiries@elliottconsultancy.com
www.elliottconsultancy.com

Company Registration No: 5515572 VAT No: 89226571

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1 Introduction

1.1 This report has been prepared by Andrew Elliott of Elliott Consultancy Ltd on behalf of the applicant.

1.2 **Scope of the report:**

- This report provides arboricultural information and advice in relation to a proposed construction of a decked car park over the existing parking area - as shown within Appendix 5.
- Section 3 provides a summary of the design proposals and their impact on the current tree population.
- Sections 4-6 provides a method statement that details all measures recommended for tree protection including any special construction measures to be utilised. It should be used to guide the construction process in order to minimise potential damage to retained trees.
- Within the Arboricultural Tasks Sequence Table (Appendix 1), is a timescale for implementation of these tree works and protective measures in reference to the development period.

1.3 Prior to site works commencing, this method statement needs to be passed to the site manager / contractor and used as reference during construction.

2 Site Information

- 2.1 One Capital Court is detached business premises with carparking to the northwest of the main building. Access is taken from Capital Close. Figure 1 shows the approximate extent of the car park over which a second deck will be constructed.



Figure 1: School site highlighted

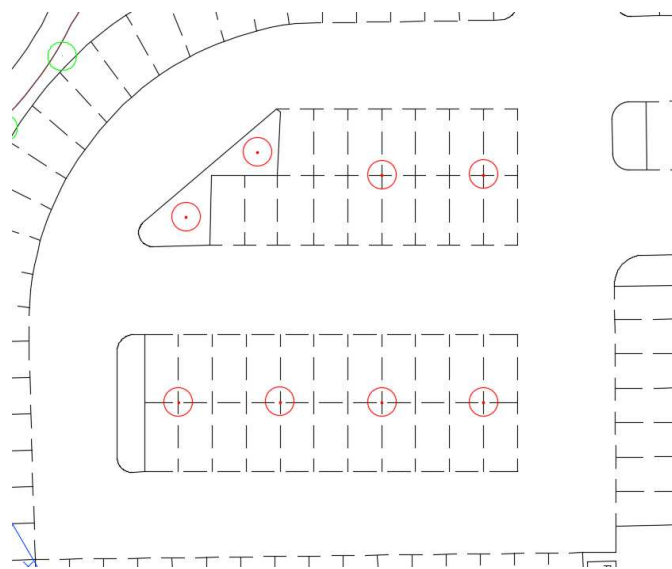
- 2.2 Tree cover on the site is minimal, consisting of several young and small recent transplants within the carparking area and several around the periphery of the site within a narrow landscape strip. Individually the trees are too small to merit a retention category greater than Category C (low value), however the retention of the trees around the outside of the car park is considered as preferable where possible.

3 Design Proposals and Arboricultural Implications

- 3.1 This section concentrates on the proposals and how they relate to the trees on site at present. Any tree and design conflicts are highlighted and possible remedial action suggested if appropriate.

3.2 **Potential Conflict 1: Loss of trees due to the construction of the new parking deck.**

The trees set within the main parking area will require removal to allow construction.



Mitigation / Countermeasure: The trees are all young, small in stature, and not of significant benefit to the wider landscape. This arboricultural impact is considered minimal

3.3 **Potential Conflict 2: Damage to trees due to the construction process.**

During any construction process trees could be damaged due a variety of reasons and construction pressures.

Mitigation / Countermeasure: The trees around the outside of the construction area can be protected during the development process by the installation of appropriate protective fencing as shown within Appendix 5. No impact is expected by the changes, however if any trees did become damaged by the proposals, replacement planting of trees of the same age and stature could be undertaken to ensure no loss of canopy cover occurred.

4 Pre-Development and Site Preparation Works

- 4.1 Refer to Appendix 1 for stage specific tasks.
- 4.2 Further to any additional site works commencing, the following arboricultural specific actions need to be implemented by a suitably experienced and trained Arborist:
 - a) Remove Trees from within the centre of the present car park – see Appendix 4.
- 4.3 Once the aforementioned tasks have been completed and prior to any site work the protection barriers need to be erected in order to protect the trees, and the surrounding soil structure from damage; this must remain in-situ during the entire build process.
 - 4.3.1 The fencing needs to be erected according to the locations found on the Tree Protection Plan (Appendix 5). The fences should conform to the specifications shown within Appendix 2 – a specification of Heras type panels, securely bolted and braced for impact should be satisfactory for use in this situation.
 - 4.3.2 All weather notices should be attached to the fencing marked with the following: '*Construction Exclusion Zone - Keep Out*' (a notice is provided within Appendix 3).
- 4.4 Construction material storage and site offices must be confined to an area identified outside of all Construction Exclusion Zones (see Appendix 5).
- 4.5 At the beginning of the construction phase, the site manager will appoint a delegated site representative who shall be responsible for continued checking of protective fencing to ensure it is compliant with the exclusion zone.

5 Tree protection measures during development

- 5.1 Refer to Appendix 1 for stage specific tasks.
- 5.2 All ground levels where trees are located should be maintained. Changes to soil levels adjacent to trees can severely affect the trees structural integrity and its ability to gain moisture and nutrients from the surrounding soil. Unavoidable level changes that may affect retained trees, and not already accounted for within this method statement, should be assessed by a qualified arboriculturalist so that any remedial works can be undertaken.
- 5.3 Building material storage and operations that can contaminate soil, such as cement mixing, must be confined to areas outside the tree protection areas (see appendix 5 for locations).
- 5.4 Fires should not be lit within 5m of the foliage or drip line of the tree. Care should be taken and the fire should not be allowed to become large, and the wind direction noted.
- 5.5 The trees should not be used to attach notices, cables or other services.
- 5.6 Where plant or other boomed vehicles are used on site care must be taken to ensure that no contact is made with any retained trees or the tree protection fencing, and that adequate clearances are checked prior to any lifting operations near tree cover.
- 5.7 No utilities should be located within the root protection areas of retained trees. Where installation or alteration to existing underground services has been agreed near or adjacent to trees, all works shall conform to the requirements of National Joint Utilities Group publication Volume 4 (November 2007).

6 Post-Construction Considerations

- 6.1 Refer to Appendix 1 for stage specific tasks.
- 6.2 Only once all construction works have been completed can the protective fencing and any ground protection be removed.

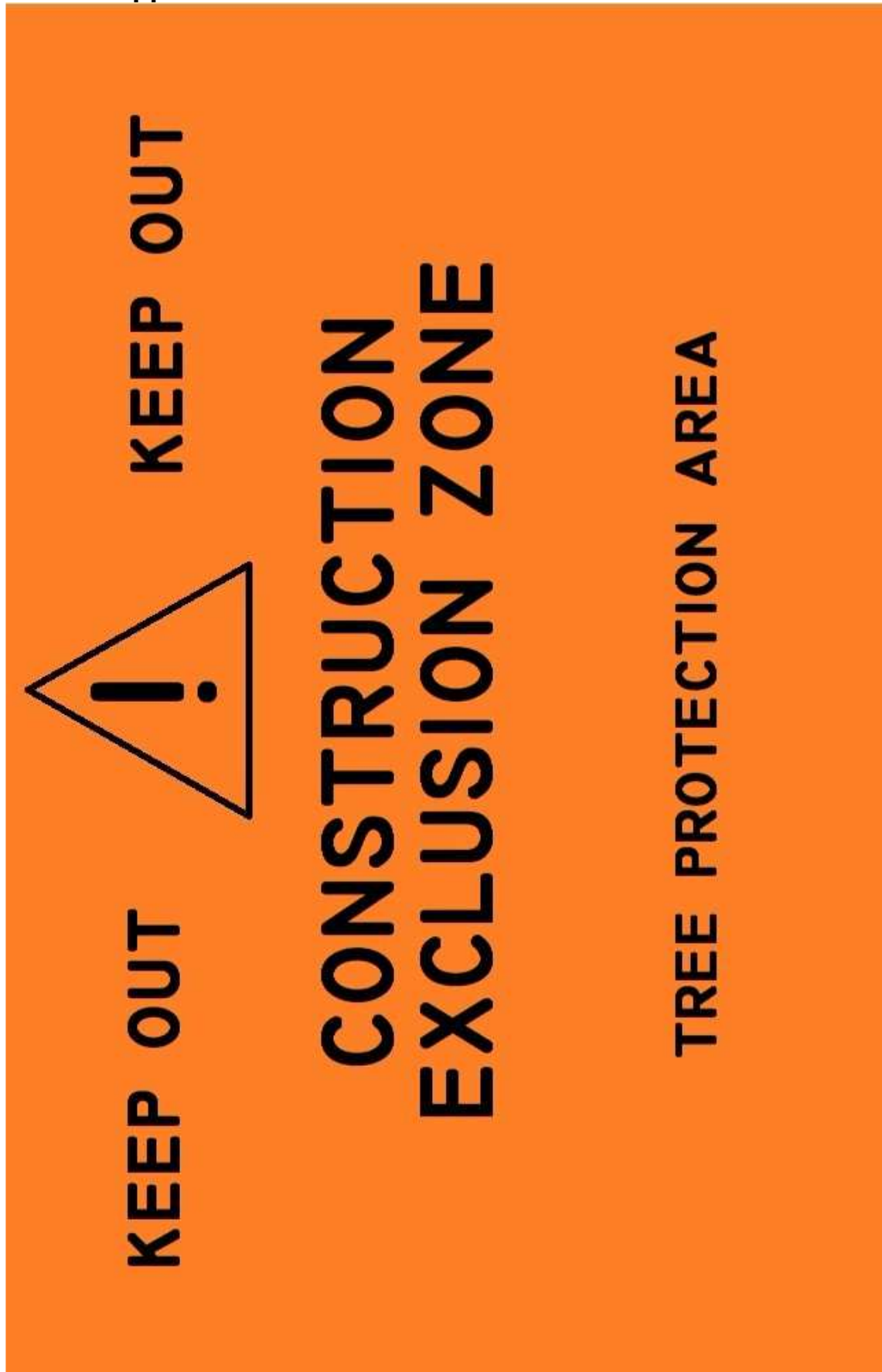
Appendix 1: Arboricultural Tasks Sequence Tables

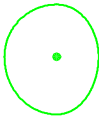
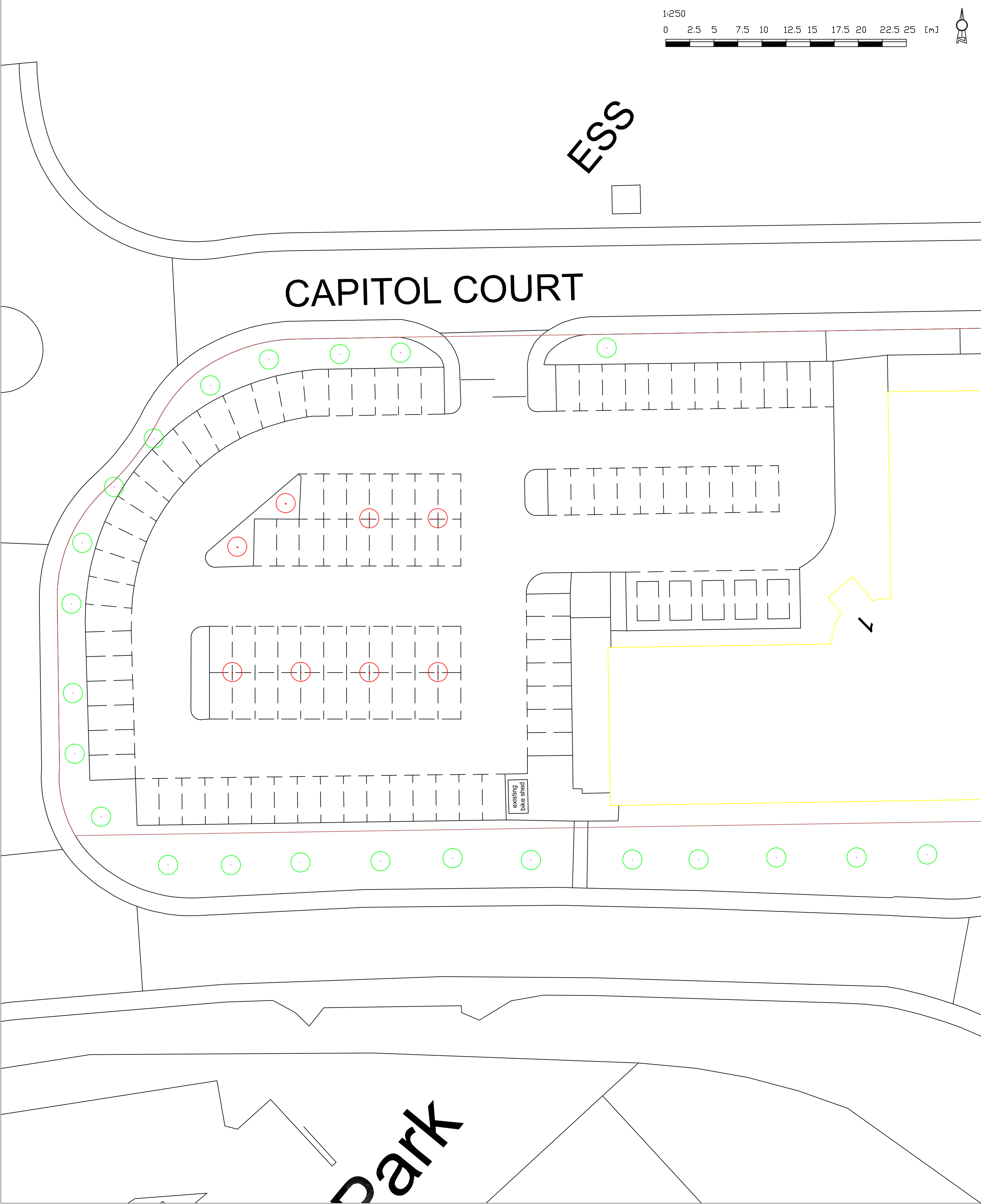
Hedge Number	Pre-Construction Stage	Construction Stage	Post Construction Stage
Trees in central area of car park	Fell		
All retained trees.	Adhere to Section 4. Set out and erect protective fencing as per Appendix 2 & 5. Attach notice in Appendix 3.	Adhere to specification within Section 5. Monitor integrity of fencing and tree protection area.	Adhere to specification within Section 6. Remove tree protection measures.

Appendix 2 : Protective Fencing Specification

Tree Protection Fence







Tree to be Retained



Tree to be Removed

APPENDIX 4

Drawing Title: Tree Removals Plan

Project: One Capitol Court, Barnsley

Drawing Number: ARB/AE/1917/TrP

Date: August 2018

Scale: 1:250 @ A2

ESS



CAPITOL COURT

Capitol Park



Wrens Nest, Underhill, Glaisdale
North Yorkshire YO21 2PF
01947 897001
enquiries@elliottconsultancy.com

-  Tree to be Retained
-  Tree Protection Fenceline
-  Construction Exclusion zone

APPENDIX 5	
Drawing Title:	Tree Protection Plan
Project:	One Capitol Court, Barnsley
Drawing Number:	ARB/AE/1917/TpP
Date:	August 2018
Scale:	1:250 @ A2