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Arboricultural Impact Assessment/Statement and Tree Protection Plan

Mitigation and remedial works required adjacent to trees
T1Ash, T3 Oak, T15 Oak, Tournerbury Woods Track.

Prepared by Kim Gifford 4th October 2021.

1. Tree Report:

1.1 The proposal is regarding mitigation and remedial work proposals at Tournurbury Wood Track.

1.2 The following Arboricultural method statement is to provide a protection strategy for the T1 Ash, T3 Oak and T15 Oak with reference to the following Tree Survey schedule and overlay Plan. The tree protection plan (TPP) shows the extent of the Root protection Areas (RPA). All other recommendations are detailed in the approved report of 2nd May 2017.

Further to my inspection 4th February 2021 regarding the track installation. The RPA of T1, T3, and T15 requires the installation of a cellular confinement system to reduce the compaction of the RPA and include 'BIOCHAR' soil improvement to damaged areas as remedial treatment. Please refer to the TPP A and B for detail. Note: all work within the RPA must be undertaken by hand only.

2. Overground Constraints:

2.1 All construction activities will avoid damaging tree canopies and adhere to the exclusion areas under canopy as marked on the Tree protection Plan.

3. Underground Constraints

3.1 Installation as detailed in the TPP and maintained during construction period. Services will be excluded from the RPA area. Construction work must only be undertaken in the RPA with agreement of the LA.

4. The project will include a structured procedure of Arboricultural supervision to be detailed on in planning conditions. The following method statements should be available on site and conveyed to construction contractors before works commence.

5.Tree Survey: Schedule

5.1 Method: Visual Tree inspection references, Principles of Tree hazard Assessment and Management by David Lonsdale and The body language of trees by Claus Mattheck and Helge Breuer. The Arboricultural Association guidance note 7 tree surveys a guide to good practice. Lantra award Professional tree inspection. BS5837: 2012 Tree in relation to design, demolition and construction recommendations:

T1 Ash

Diameter at 1.5m from ground level: 1000 mm

RPA = 12m radius

Crown spread: N 6m E 5m S 4m W 5m (overhanging roadway)

Canopy height: 3m

Height: 15m

Condition: Ivy clad crown, leaning northwards windward crown shape. Deadwood in crown. Side of ditch. Poor condition.

Age: Mature

Recommendation:

Mitigation and remedial work within the root protection area of T1: Pull back existing scalping by hand only to 150mm and install a cellular confinement system. Back fill with scalping and include 'BIOCHAR' soil improvement to damaged areas as remedial treatment. See Tree Protection Plan A for detailed root protection area. 12m radius from T1. See TPP A 4th October 2021.

T3 Oak

Diameter at 1.5m from ground level: 900 mm

RPA= 10.8m radius

Crown spread: N 6m E 7m S 6m W 7m

Canopy height: 3m

Height: 18m

Condition: Good condition

Age: Mature

Recommendation:

Mitigation and remedial work within the root protection area of T3: Pull back existing scalping by hand only to 150mm and install a cellular confinement system. Back fill with scalping and include 'BIOCHAR' soil improvement to damaged areas as remedial treatment. RPA 11m radius from T3. See TPP B 4th October 2021.

T15 Oak

Diameter at 1.5m from ground level: 1000 mm X 2 stems

RPA= 12m radius

Crown spread: N 7m E 7m S 7m W 7m

Canopy height: 3m

Height: 18m

Condition: fair condition. Twin stemmed Oak.

Severely trunk damaged by animals

Age: Mature

Recommendation:

Mitigation and remedial work within the root protection area of T15: Pull back existing scalping by hand only to 150mm and install a cellular confinement system and include 'BIOCHAR' soil improvement to damaged areas as remedial treatment. Back fill with scalping. Continue track direction to fence line to limit damage within the root protection area. 12m radius from T15. This adjusted route will be less damaging than the original track route. See TPP B 4th October 2021.