Arboricultural Impact Assessment
and
Arboricultural Method Statement
for
Land off Madley Road
Clehonger
Hereford

Inspected by:-
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20th August, 2019

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1. BRIEF

I have been instructed by Mr Jonathan McCarthy of Engie to prepare an Arboricultural Impact Assessment (AIA) in relation to a proposed development at Land off Madley Road, Clehonger, Hereford.

2. TREE SURVEY AND PLAN

The information within this document is based on the Treescene Tree Survey 24.06.19 and the Treescene AIA Plan 08/2019.

3. TREES TO BE REMOVED

a) Arboricultural Reasons

Trees T7, T17, T19, T20 and T22 are recommended for removal in the Tree Survey due to poor quality (U category).

b) To Facilitate Development

Trees G2part (small central section for estate road), G3part (two small spurs either side of existing field access gate), G12part (for footpath), G26 (for re-profiling slope - to be replanted/replaced), G30part (for estate road), G35part (for vision splay) and T36 (for vision splay) are proposed for removal to accommodate the development layout.

Trees to be removed are indicated on the attached Treescene Tree Retention/Removal Plan 08/2019.

4. TREE PRUNING

Some of the trees to be retained contain structural defects/deadwood or may impede vehicle/pedestrian movements within the site. Works to improve tree safety or remove a potential source of nuisance are detailed in the Preliminary Management Recommendations within the Tree Survey. All pruning and felling/coppicing works are to be undertaken by suitably qualified and experienced Arboricultural Contractors working to BS3998:2010 Recommendations for Tree Work.

5. ROOT PROTECTION AREA (RPA) INCURSIONS

There are generally limited conflicts between proposed structures and RPAs of trees to be retained but in specific instances detailed below there are some minor incursions of proposed structures into the RPAs:

T1 - Private drive to north-west
T6 - Private drive to south
T9 - Footpath to north

In most instances the incursions are slight and should not adversely impact on the health and stability of trees to be retained. However, to minimise impacts on the trees in question special excavation techniques, to be detailed in a site specific Arboricultural Method Statement, are to be employed in these areas.

6. PROTECTION OF RETAINED TREES

All trees to be retained should be protected by fencing in accordance with the details in BS5837:2012. The implementation of the tree protection on site should be in compliance with a site specific Tree Protection Plan (TPP) and Arboricultural Method Statement (AMS).

7. IMPACT ON LOCAL AMENITY

Tree loss in relation to the development is minimal and focuses primarily in the clearance of the hedgerow on the site frontage for the vision splay and sections of hedge for estate roads in the interior of the site. The existing robust tree belts on all boundaries of the site are retained thus minimising any wider landscape impacts.

Extensive new tree planting within the site is proposed thus mitigating any tree loss and contributing to an enhancement of the local tree stock as a result of the proposed development.

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Tree Protection Plan
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1. BRIEF

I have been instructed by Mr Jonathan McCarthy of Engie to prepare an Arboricultural Method Statement (AMS) and a Tree Protection Plan (TPP) in relation to the proposed development at Land off Madley Road, Clehonger, Hereford.

2. TREE SURVEY

The information in the AMS and TPP relates to the Treescene Tree Survey dated 24.06.19.

3. TREES TO BE REMOVED

Trees to be removed are indicated in the Treescene Tree Retention/Removal Plan 08/2019.

4. TREE PRUNING

The following tree pruning works are proposed

T1	-	Prune to remove major deadwood extending over highway. Crown raise to 5.5m over private drive.
G4	-	Remove dead and dying Elm.
T6	-	Crown raise to 5.5m over private drive.
T9	-	Crown raise to provide 2.5m clearance over footpath
G10		Remove dead and collapsed specimens.
G15	-	Remove dead and dying Elm trees.
G30	-	Coppice Goat Willow.
G34	-	Remove western-most specimen.

All pruning and coppicing works are to be undertaken by suitably qualified and experienced Arboricultural Contractors working to BS3998:2010 Recommendations for Tree Work.

5. TREE PROTECTION PLAN

The position of the protective barriers is indicated on the enclosed Treescene TPP 08/2019. The tree protection will be installed immediately after the conclusion of the tree works and before the commencement of any construction activity on site.

6. TREE PROTECTION BARRIERS

Protective barriers in accordance with BS5837:2012 and the enclosed drawing (Figure 2) will be installed in the locations indicated on the TPP under the supervision of the Arboricultural Consultant. The protective barriers will remain in situ until the completion of the construction work and final site landscaping.

No materials that are likely to have an adverse effect on tree health, such as oil, cement and bitumen will be stored or discharged within the protective barriers. No fires will be lit within 15m of the crown spread of retained trees and concrete will not be mixed or transported within 10m of the trunk of any tree.

7. NO-DIG CONSTRUCTION

The Arboricultural Impact Assessment (AIA) indicates that the installation of drives and a footpath may conflict with the RPA of some trees. In these circumstances "no-dig" construction techniques will be employed to install the structures.

The basis of "no-dig" construction is formed by the utilisation of a 3 dimensional geotextile grid eg "Geocell", "Cellweb" of similar products.

Depending on the ground levels in the specific area concerned some loose application of a granular, permeable fill eg crushed stone or sharp sand may be required to form finished surface levels.

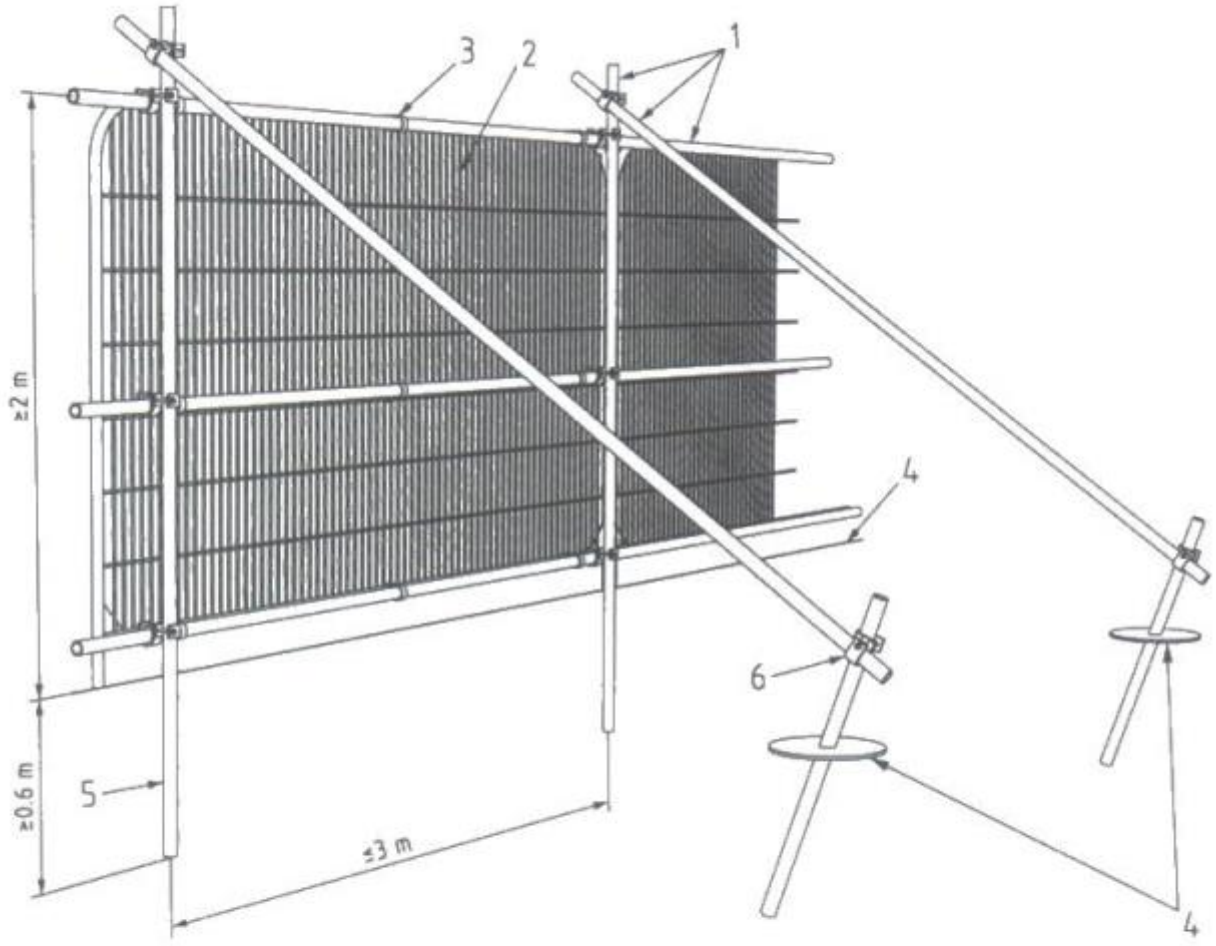
Once the base level has been achieved the membrane and geotextile grid will be installed and filled with large diameter clean stone in accordance with the manufacturers recommendation. The finished surface eg permeable tarmac or block paviors, will then be laid on top of the 3 dimensional grid. The geotextile grid will be retained at its edges by the use of pre-formed metal edging secured by metal pins, or similar. A cross-section of no dig construction is attached in diagram 1.

8. MONITORING AND SUPERVISION

The Arboricultural Consultant will undertake site inspections and monitoring/supervision at the following times:

a) Pre-commencement meeting with tree contractor to agree tree removal and pruning.
b) Supervision of installation of protective fencing and ground protection.
c) Monitor condition of fencing every 4 weeks during construction.
d) Supervision of "no-dig" construction of footpath and drives.
e) Supervision of removal of fencing following completion of project.
f) Monitor condition of retained trees every 6 months following completion of construction for a period of two years.

Figure 2 **Default specification for protective barrier**



Key

1 Standard scaffold poles

2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels

3 Panels secured to uprights and cross-members with wire ties

4 Ground level

5 Uprights driven into the ground until secure (minimum depth 0.6 m)

6 Standard scaffold clamps