Aboricultural Report

Prepared For: Design Space Architecture
Site: Land at Hopping Lane, Thurgoland, Barnsley, S35 7AZ

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Scope:

To inspect Tree T1 at the entrance of the site where an access track will be installed to the proposed stables:

- The condition and structural integrity of the tree
- The possibility of current and future vegetative related subsidence
- The possibility of damage being caused to the root system during installation of the access track
- Health and Safety
- Recommendations for the future management.

Our Survey was of a preliminary nature, we have not taken soil or root samples for analysis and the tree was not climbed, but inspected from ground level.

Survey:

This report is based on a site visit which took place on 06-05-2019.

This report is compiled in accordance with BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations.

Survey Results:

Tree T1 Sycamore (*Acer pseudoplatanus)* Is growing at the entrance to the site on the road embankment adjacent to a failed dry stone wall. The base of the tree is approximately 600-700mm down the banking below the finished level of the entrance.

Height approximately 15m, Crown height approximately 3m, Diameter 30cm, Crown spread 13m.
The tree has a nice balanced crown and looks generally healthy. It has moderate epicormic growth and a small amount of dead wood in the crown.

Where the dry stone wall has failed the stone has been piled up around the base of the tree, previous pruning wounds caused from epicormic growth removal have allowed decay to affect the tree. This has led to a cavity appearing approximately 200mm (h) x 100mm (w) x 150mm (d). Although this is not of imminent threat in the future it will affect the structural integrity of the tree.





Photo showing multiple pruning wounds and epicormic growth on



Photo showing cavity at base of tree.

Conclusion and Recommendations:

Installation of the access track should be able to be achieved without causing damage to the root system provided that the scrape does not go below 500mm. It is recommended that a suitably qualified arborist is present to supervise the scrape and inspect for roots during this.

We would recommend removal of the epicormic growth, removal of deadwood and crown raising up to 3.5m to allow passage of plant and horse wagons.

Alternatively, due to the presence of the cavity and the likelihood of future structural issues adjacent to the highway it may be worth removing the tree at this stage and re-planting a 16-18cmg tree elsewhere on-site. This should be staked and tied and a watering pipe installed.

If the removal option is taken then we would recommend stump-grinding to avoid re-growth of the stump.

Daniel Kaye
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