



Horticultural Consultant



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UPDATE 14-07-13

TREE SURVEY AND ASSESSMENT AT HACKNESS GRANGE HOTEL, HACKNESS, SCARBOROUGH

I have recently inspected a very large mature oak tree at the above site in response to a request from Alan Campbell Architects who had been asked for survey and assessment following submission of plans for an extension to the existing hotel.
My findings are as given below

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| SITE ADDRESS | Hackness Grange hotel, tree location shown on plan No DER 142/A |
| TREE SPECIES | Quercus robur (English Oak) |
| HEIGHT | 18/19m |
| CROWN SPREAD | 22/24 metres |
| CLEAR TRUNK | 2metres |
| TRUNK DIAMETER (1metre from Ground level) | 1.8metres |
| APPROXIMATE AGE | 250/300 years |
| OVERALL CONDITION | Excellent |



REMARKS This is an outstanding tree, probably one of the best of its type in North Yorkshire. The tree appears relatively healthy and exhibits good vigour for its age with only a very limited amount of dead wood or dieback evident. The crown is well balanced and although support to one of the branches has been necessary the overall appearance is excellent. In my opinion there is no reason why this tree should not continue to provide outstanding high amenity value for a considerable number of years to come.

ASSESSMENT It is essential that this tree is protected throughout any works which take place on the hotel or its surrounds. Necessary measures to ensure the branch network and root zone are protected should be undertaken when any work takes place in the vicinity. The proposed extension works are shown on plan No 13352/37A, by Alan Campbell Architects. The measures suggested to protect the tree are outlined on the attached Tree Protection schedule and shown on plan No 1352/114

D.E.Russell

HACKNESS GRANGE HOTEL, HACKNESS, SCARBOROUGH PROPOSED EXTENSION

TREE PROTECTION MEASURES

Prior to the commencement of any demolition or construction works protective metal fencing should be erected to the area as shown on plan No 1352/114. The purpose of this is to ensure that no damage occurs to the branch network or rootzone of the Oak tree numbered 1 on plan. The galvanised metal fence shall be firmly fixed to the ground and remain in place until all construction works are complete.

This fence will create an exclusion zone where none of the following activities will be permitted

- a) No excavation of any kind
- b) No tipping or temporary storage of any materials
- c) No tracking of any type of machinery
- d) No swinging of crane jibs or machinery arms in the air space above the zone.

The development recognises that this tree will remain and will require the passage of normal water levels to the tree root system, and the above measures are intended to ensure this takes place.

Following the construction of an extension to the hotel it is proposed to install some paving to the surrounds which will infringe slightly under the canopy and possibly over the edge of the root zone of the oak tree. In order to ensure no detrimental affect to the tree occurs it is proposed that this paving is built above existing levels and no excavation will be undertaken. The paving will be laid on a base of porous material, which will allow water penetration to the roots of the tree.

DER CONSULTANCY





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14th July 2013

TREE ASSESSMENT AND IMPLICATIONS OF PROPOSED BUILDING WORKS AT HACKNESS GRANGE HOTEL, HACKNESS, SCARBOROUGH

I have recently inspected a very large mature oak tree at the above site in response to a request from Alan Campbell Architects who asked what I would recommend in view of the close proximity of a proposed extension.

Having considered the implications to the tree and its overall shape, also the effect of removing the said branches, and the possibility of any damage to tree roots, I have concluded that this could be done without any great loss of amenity or detriment to the tree, provided the following procedures are undertaken. I would therefore recommend the following

- A) Removal of two branches as shown on photographs numbered 1 & 2. It is my opinion that this work will not affect the overall appearance of this magnificent tree and will not be detrimental to its health. The larger of the two branches is currently supported with a wooden prop. The smaller one is fairly insignificant but would be virtually touching the wall of the new extension. The points I am suggesting for making the cut in with a chainsaw is in both cases where they join a larger branch (this is shown on photographs numbered 1 & 2). Before removal of the larger branch I would recommend placing a new prop on the main weight carrying branch, in the position shown on photograph no 1. This prop should stand on a new block of concrete with minimum dimensions of 300mm square and a minimum depth of 450 mm.
- B) When excavation for the new extension takes place (outside the canopy of the tree) it is probable that some tree roots will be encountered. It is essential therefore that care is taken with the digging and if any roots in excess of 50mm are encountered then I would recommend advice is sought regarding bridging or ducting.

On photograph number 3 an overall picture of the shape of the tree can be seen, and I have tried to indicate the visual affect which will result following the removal of the two branches. I have concluded that this will be a marginal loss of amenity, which in my opinion, would be better than having the branches touching the new extension and suffering damage which would probably result in dieback.

D.E.Russell



Photo No 1

line of chain saw cut

NYMNPA
29 JUL 2012

Post repositioned supporting main weight
Post set on



Photo No 2

line of chain saw cut
removal of small branch

NYMAIDA

29 JUL 2013

Photo No 3



Approximate area of foliage lost
but tree retains overall shape

INIPA
29 JUL 2013