

From: Dafydd Lloyd
Sent: 17 February 2015 10:44
To: Daniel Vick; Joe Russell-Wells
Subject: RE: 'BS 5837:2012 - Trees in relation to design, demolition and construction - Recommendations.'
AW/312/14/HH - 37 Kingsway - ERRORS AND MORE ERRORS!

Hi Dan,

Ok I have made an error with the Title and the date of the BS 5837 (should have been 2012, instead of 2005), for that I apologise. I would be happy to make the amendments.

Please find an industry recognised *Helliwell* method for calculation of the Root protection Area of mutli stemmed trees (using this calculator does save time calculating areas/offsets etc.). This is the method I believe would give the most accurate result. Mr Osler is correct to state the *Helliwell* method is also used to assess amenity value of trees. Below is a screen shot of the calculator I used, please notice the name;

Multi stem trees using the Helliwell Method

Measure each stem diameter at 1.5m above ground level to calculate basal area in mm²

Stem 1

0

 millimetres

0

Stem 2

0

0

Stem 3

0

0

Stem 4

0

0

Stem 5

0

0

RPA

0.0 m² See Note

equates to a circle with radius of

0.0

 m

equates with a square with approx

0.0

 m sides

20% Offset

0.0

 m

Stem 6

0

0

Stem 7

0

0

Stem 8

0

0

Stem 9

0

0

Stem 10

0

0

Total Basal Area (mm²):...

0.0

0.0

Total Basal Diameter (mm):...

0.0

As there was no tree constraints/retention/mitigation plan submitted by the applicant, my report was designed to underline this fact. If there is anything further that needs comment please let me know.

Kind regards

Dafydd

Subject: RE: 'BS 5837:2012 - Trees in relation to design, demolition and construction - Recommendations.'
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Hi Dan,

My first error was not including *Recommendation*, after *Trees in relation to construction*. This is repeated twice at the end of the report, which was an oversight but myself.

Also where I stated;

As T1 identified in this report is a 'multi-stemmed' tree, the use of the Helliwell Method of calculating the RPA.

The comma should have been followed by the word 'with', which should of read;

As T1 identified in this report is a 'multi-stemmed' tree, with the use of the Helliwell Method of calculating the RPA.

I would stand by my recommendation;

The submitted application has failed to meet the criteria set by the BS 5837:2012 - *Trees in relation to construction – Recommendation*.

As there has been no tree reports submitted by the applicant, leaving the condition general is fair. (as we could list every point in the BS5837:2012 the applicant has missed, as a conditional point). As there has been no plan submitted this would be wasted process.

If more is needed please let me know.

Kind regards

Dafydd