

Note: This schedule is an update of our previous survey (of July '08), and the trees included herein were only briefly observed as part of the updated survey (of September '12), and were not inspected in detail

**TREE SURVEY SCHEDULE FOR ARBORICULTURAL CONSTRAINTS APPRAISAL**

Site: Cliftheroe Hospital, Chatburn Road, Cliftheroe, Lancashire, BB7 4JX

Agent for Client: Nightingale Associates

Surveyor: Phill Harris – Chartered Arboriculturist

Assessment Date: 29 September 2012

Job Reference: BTC382

| No. | Species | Height | Stem Diam. | Branch Spread                  | Branch & Canopy Clearances | Life Stage | PC | General Observations and Comments  | Management Recommendations | ERC | Cal. Grade | RPA (m <sup>2</sup> ) | RPA Radius (m) |
|-----|---------|--------|------------|--------------------------------|----------------------------|------------|----|--|----------------------------|-----|------------|-----------------------|----------------|
| T1  | Ash     | 22     | 800        | N 0<br>E 10<br>S 9<br>W 5      | 5-S<br>0.5                 | M          | M  | <ul style="list-style-type: none"> <li>Highly biased crown to south-east due to suppression by neighbouring tree(s).</li> <li>Large amount of deadwood to approximately 150mm diameter.</li> <li>Several moderate diameter previous branch failures evident in crown.</li> </ul>   |                            | 10+ | C1         | 290                   | 9.6            |
| T2  | Beech   | 27     | 680        | N 0<br>E 3.5<br>S 5.5<br>W 3.5 | 8-S<br>2.5                 | M          | G  | <ul style="list-style-type: none"> <li>Highly biased crown to south due to suppression by neighbouring tree(s).</li> <li>Moderate amount of deadwood to approximately 30mm diameter.</li> </ul>  |                            | 20+ | B1/2       | 209                   | 8.16           |
| T3  | Beech   | 33     | 740        | N 3<br>E 6<br>S 5.5<br>W 2.5   | 7-E<br>3.5                 | M          | M  | <ul style="list-style-type: none"> <li>Moderately biased crown to south-east due to suppression by neighbouring tree(s).</li> <li>Crown showing signs of a recent reduction in vitality with slightly small leaves, slightly sparse foliage cover and moderate twig dieback.</li> <li>Moderate amount of deadwood to approximately 30mm diameter.</li> </ul> | 320120785 P<br>320120786 P | 20+ | B1         | 248                   | 8.88           |
| T4  | Beech   | 30     | 1060       | N 2<br>E 2<br>S 2.5<br>W 10    | 5-NE<br>0.5                | M          | G  | <ul style="list-style-type: none"> <li>Moderately biased crown to west due to suppression by neighbouring tree(s).</li> <li>Moderate amount of deadwood to approximately 30mm diameter.</li> <li>Several large partially occluded wounds to lower stem and base with extensive evidently non progressive decay within.</li> </ul>                            |                            | 10+ | C1         | 508                   | 12.72          |

**Headings and Abbreviations:**

No. - Allocated sequential reference number - Tree (T), Group (G), Woodland (W) or Hedge (H) reference number - refer to plan and to numbered tags where applicable  
 Species - Common name  
 Height - In metres, to half nearest metre - where possible approximately 80% are measured using an electronic altimeter and the remainder estimated against the measured trees. In the case of Groups and Woodlands the measurement is that of the highest tree  
 Stem Diam. - Crown diameter in millimetres, to nearest 10mm - measured and calculated as per Annex C of BS5837:2012. MS = multi-stemmed, TS = semi-stemmed  
 Branch Spread: Crown radius measured (or estimated where considered appropriate) from the four cardinal points (north, east, south and west) to give an accurate visual representation of the crown  
 Branch & Canopy Clearances: Existing height above ground level, in metres, of first significant branch and/or crown edge (e.g. ZS4) and of canopy at lowest point - to inform on crown to height ratio, potential for shading, etc.  
 Life Stage: Estimated age class: Y = young, SM = semi-mature, EM = early-mature, M = mature, PM = post-mature  
 PC: Physiological Condition - a measure of the tree's overall condition and any other pertinent factors including structural defects, current and potential dead structural damage, physiological decline, poor form, etc.  
 General Observations and Comments: Either Preliminary or in Consideration of the Proposal - in the case of Arboricultural Constraints surveys the recommended management works only take existing site and tree circumstances and conditions into account and not proposed developments. Arboricultural Impact Assessment and Method Statement related  
 Management Recommendations: Surveys take the proposed development into consideration with recommendations made accordingly. More than one option may be given if considered appropriate

ERC: Estimated Remaining Contribution - in years as per BS5837:2012 (i.e. <10, 10+, 20+, 40+)  
 Cal. Grade: Category Chilling - tree retention value listed as U, A, B or C - in accordance with BS5837:2012 Table 1  
 RPA m<sup>2</sup>: Root Protection Area in m<sup>2</sup> - calculated area around the tree that must be appropriately protected throughout the development process in order to avoid root damage  
 RPA Radius (m): Root Protection Area Radius - in metres measured from the centre of the stem to the line of tree protection  
 # (Estimated Dimensions): Where trees are located off-site, or are inaccessible for any other reason, and accurate measurements or other information cannot be taken then the information provided is estimated and is duly suffixed with a "P" symbol

**TREE SURVEY SCHEDULE FOR ARBORICULTURAL CONSTRAINTS APPRAISAL**

Site: Clitheroe Hospital, Chatham Road, Clitheroe, Lancashire, B77 4JX

Agent for Client: Nighthingale Associates

Surveyor: Phill Harris – Chartered Arboriculturist  
 Assessment Date: 29 September 2012  
 Job Reference: BTC382

| No. | Species | Height | Stem Diam. | Branch Spread                   | Branch & Canopy Clearances | Life Stage | PC  | General Observation and Comments   | Management Recommendations  | ERC | Cal. Grade | RPA (m <sup>3</sup> ) | RPA Radius (m) |
|-----|---------|--------|------------|---------------------------------|----------------------------|------------|-----|--|---|-----|------------|-----------------------|----------------|
| T5  | Beech   | 32     | 960        | N 6<br>E 15.5<br>S 5.5<br>W 2.5 | 7-SE<br>0                  | M          | M   | <ul style="list-style-type: none"> <li>Moderately biased crown to east due to suppression by neighbouring tree(s).</li> <li>Crown showing signs of a recent reduction in vitality with slightly small leaves, slightly sparse foliage cover and moderate twig dieback.</li> <li>Moderate amount of deadwood to approximately 30mm diameter.</li> </ul> | <ul style="list-style-type: none"> <li>Remove due to short projected remaining safe life expectancy.</li> </ul> | 20+ | B1         | 417                   | 11.52          |
| T6  | Beech   | 26     | 670        | N 4<br>E 8.5<br>S 4<br>W 2.5    | 5-NE<br>0.5                | M          | M   | <ul style="list-style-type: none"> <li>Several partially occluded wounds to base with evidently non-progressive decay within.</li> <li>Crown showing signs of a recent reduction in vitality with slightly small leaves and slightly sparse foliage cover.</li> </ul>  | <ul style="list-style-type: none"> <li>Remove hung up stem.</li> </ul>  | 20+ | B1         | 203                   | 8.04           |
| T7  | Beech   | 26     | 1020       | N 4<br>E 6.5<br>S 6<br>W 10     | 6-W<br>1                   | M          | M/G | <ul style="list-style-type: none"> <li>Crown showing signs of a recent reduction in vitality with slightly small leaves and slightly sparse foliage cover.</li> <li>Moderately large amount of deadwood to approximately 50mm diameter.</li> </ul>   | <ul style="list-style-type: none"> <li>Remove due to short projected remaining safe life expectancy.</li> </ul> | 20+ | B1         | 471                   | 12.24          |
| T8  | Beech   | 21     | 570        | N 3<br>E 4<br>S 3<br>W 4        | 4<br>1                     | EM         | M/G | <ul style="list-style-type: none"> <li>Moderate mid stem curvature.</li> <li>Crown showing signs of a recent reduction in vitality with slightly small leaves and slightly sparse foliage cover.</li> </ul>  | <ul style="list-style-type: none"> <li>Remove due to short projected remaining safe life expectancy.</li> </ul> | 20+ | B1         | 147                   | 6.84           |
| T9  | Ash     | 22     | 480        | N 1<br>E 1<br>S 1<br>W 1        | N/A<br>N/A                 | EM         | N/A | <ul style="list-style-type: none"> <li>Stem failed at a height of approximately 0.5m and is now hung up in crown of T10.</li> </ul>  | <ul style="list-style-type: none"> <li>Remove hung up stem.</li> </ul>  | <10 | U          | 104                   | 5.76           |
| T10 | Ash     | 13     | 360        | N 1<br>E 2<br>S 1.5<br>W 0.5    | N/A<br>N/A                 | EM         | M   | <ul style="list-style-type: none"> <li>Stem evidently failed several years previously at a height of approximately 9.0m.</li> <li>Large amount of resultant shoot growth to stem.</li> <li>Short projected remaining safe life expectancy.</li> </ul>  | <ul style="list-style-type: none"> <li>Remove due to short projected remaining safe life expectancy.</li> </ul> | <10 | U          | 59                    | 4.32           |
| T11 | Ash     | 27.5   | 580        | N 5<br>E 4<br>S 4<br>W 4        | N/A<br>18                  | EM         | M/P | <ul style="list-style-type: none"> <li>Crown showing signs of a progressive reduction in vitality with small leaves, moderately sparse foliage cover and moderate amount of twig dieback.</li> <li>Several previous large diameter branch failures.</li> <li>Short projected remaining safe life expectancy.</li> </ul>                                | <ul style="list-style-type: none"> <li>Remove due to short projected remaining safe life expectancy.</li> </ul> | <10 | U          | 152                   | 6.96           |
| T12 | Beech   | 17     | 590        | N 4<br>E 3<br>S 1<br>W 9        | 5-SE<br>1                  | EM         | G   | <ul style="list-style-type: none"> <li>Highly biased crown to west due to suppression by neighbouring tree(s).</li> <li>Several partially occluded wounds to stem base with evidently non-progressive decay within.</li> </ul>   | <ul style="list-style-type: none"> <li>Remove due to short projected remaining safe life expectancy.</li> </ul> | 20+ | B1         | 157                   | 7.08           |

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Agent for Client: Nightingale Associates

Surveyor: Phill Harris – Chartered Arboriculturist

Assessment Date: 29 September 2012

Job Reference: BTC382

| No. | Species | Height | Stem Diam. | Branch Spread              | Branch & Canopy Clearances | Life Stage | PC | General Observation and Comments  | Management Recommendations  | ERC | Cal. Grade | RPA Area (m <sup>2</sup> ) | RPA Radius (m) |
|-----|---------|--------|------------|----------------------------|----------------------------|------------|----|---|---|-----|------------|----------------------------|----------------|
| T13 | Beech   | 22     | 660        | N 3<br>E 7<br>S 4<br>W 9   | 6-W<br>4.5                 | M          | G  | <ul style="list-style-type: none"> <li>Several partially occluded wounds to base with evidently non-progressive decay within.</li> <li>Moderate amount of deadwood to approximately 60mm diameter.</li> <li>Tree has been removed.</li> </ul>   |   | 20+ | B1         | 197                        | 7.92           |
| T14 |         |        |            |                            |                            |            |    |   |   |     |            |                            |                |
| T15 | Beech   | 22     | 570        | N 7<br>E 5<br>S 3<br>W 1   | N/A<br>1.5                 | EM         | G  | <ul style="list-style-type: none"> <li>Highly biased crown and moderately severe mid stem curvature to north-east due to suppression by neighbouring tree(s)</li> </ul>   |   | 10+ | C1         | 147                        | 6.84           |
| T16 | Ash     | 22     | 490        | N 3<br>E 3<br>S 2<br>W 3   | 10<br>18                   | EM         | M  | <ul style="list-style-type: none"> <li>Crown showing signs of a reduction in vitality with moderately small leaves and moderately sparse foliage cover.</li> <li>Attenuated form with low crown to height ratio resultant of proximity to neighbouring trees.</li> <li>Moderate amount of deadwood to approximately 100mm diameter.</li> </ul>  | <ul style="list-style-type: none"> <li>Remove due to short projected remaining safe life expectancy.</li> </ul> | <10 | U          | 109                        | 5.88           |
| T17 | Ash     | 24.5   | 550        | N 4<br>E 7<br>S 2<br>W 6   | N/A<br>1                   | EM         | M  | <ul style="list-style-type: none"> <li>Highly biased crown to north-east due to suppression by neighbouring tree(s).</li> <li>Crown showing signs of a reduction in vitality with moderately small leaves and moderately sparse foliage cover.</li> <li>Several moderately sized partially occluded wounds to base with evidently non-progressive decay within.</li> <li>Sounding with nylon mallet to lower stem indicated presence of extensive internal decay.</li> <li>Short projected remaining safe life expectancy.</li> </ul> | <ul style="list-style-type: none"> <li>Remove due to short projected remaining safe life expectancy.</li> </ul> | <10 | U          | 137                        | 6.6            |
| T18 | Beech   | 26     | 790        | N 9<br>E 5<br>S 6<br>W 3.5 | 5-S<br>6                   | M          | G  | <ul style="list-style-type: none"> <li>Stem bifurcates into large diameter co-dominant primary branches at a height of approximately 6.0m with a partially included bark union.</li> </ul>  |   | 20+ | B1         | 282                        | 9.48           |
| T19 | Beech   | 17     | 440        | N 9<br>E 5<br>S 8<br>W 2   | 5-S<br>3.5                 | EM         | G  | <ul style="list-style-type: none"> <li>Highly biased crown and moderately severe mid stem curvature to north-east due to suppression by neighbouring tree(s)</li> </ul>   |   | 20+ | B1         | 88                         | 5.28           |
| T20 | Beech   | 13.5   | 510        | N 8<br>E 5<br>S 7<br>W 6   | 4<br>0                     | EM         | G  | <ul style="list-style-type: none"> <li>No visible structural defects.</li> </ul>  |   | 20+ | B1         | 118                        | 6.12           |

**TREE SURVEY SCHEDULE FOR ARBORICULTURAL CONSTRAINTS APPRAISAL**  
 Site: Clitheroe Hospital, Chalmers Road, Clitheroe, Lancashire, BB7 4JX  
 Agent for Client: Nighthingale Associates

Surveyor: Phill Harris - Chartered Arboriculturist  
 Assessment Date: 29 September 2012  
 Job Reference: BTC382

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| No. | Species      | Height | Stem Diam. | Branch Spread                    | Branch & Canopy Clearances | Life Stage | PC | General Observation and Comments   | Management Recommendations   | ERC | Can. Grade | RPA (m <sup>3</sup> ) | RPA Radius (m) |
|-----|--------------|--------|------------|----------------------------------|----------------------------|------------|----|--|--|-----|------------|-----------------------|----------------|
| T21 | Beech        | 26     | 1200       | N 9<br>E 12<br>S 12.5<br>W 8     | 7-E<br>0                   | M          | M  | <ul style="list-style-type: none"> <li>Moderate amount of deadwood to approximately 50mm diameter.</li> <li>Ivy to stem.</li> <li>Crown showing signs of a recent reduction in vitality with slightly small leaves and slightly sparse foliage cover.</li> <li>Sounding with a nylon mallet to base indicated presence of some decay pockets to several buttresses.</li> </ul> | <ul style="list-style-type: none"> <li>Sever ivy.</li> </ul>   | 20+ | A<br>1/2/3 | 651                   | 14.4           |
| T22 | Lime         | 17     | 510        | N 5<br>E 3<br>S 1<br>W 4.5       | 7-W<br>4                   | EM         | G  | <ul style="list-style-type: none"> <li>Slightly biased crowns to north due to partial suppression by neighbouring tree(s).</li> </ul>  |  | 40+ | A2         | 118                   | 6.12           |
| T23 | Lime         | 23.5   | 630        | N 6<br>E 4.5<br>S 1<br>W 7       | 7-W<br>6                   | M          | G  | <ul style="list-style-type: none"> <li>Slightly biased crowns to north due to partial suppression by neighbouring tree(s).</li> <li>Very dense shoot growth and dense ivy to stem which severely impeded inspection.</li> </ul>  |  | 40+ | A2         | 180                   | 7.56           |
| T24 | Lime         | 23.5   | 630        | N 2.5<br>E 4.5<br>S 2<br>W 7     | 7-S<br>4                   | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> <li>Stem bifurcates into co-dominant upright primary branches at a height of approximately 6.0m</li> </ul>   |  | 40+ | A2         | 180                   | 7.56           |
| T25 | Lime         | 24     | 630        | N 2<br>E 3.5<br>S 2.5<br>W 7     | 6<br>7                     | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> <li>Stem bifurcates into co-dominant upright primary branches at a height of approximately 8.0m</li> </ul>   |  | 40+ | A2         | 180                   | 7.56           |
| T26 | Lime         | 24     | 680        | N 2.5<br>E 3.5<br>S 3<br>W 6     | 6-W<br>3                   | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> </ul>  |  | 40+ | A2         | 209                   | 8.16           |
| T27 | Lime         | 24     | 680        | N 1.5<br>E 3.5<br>S 5.5<br>W 6.5 | 6-W<br>3                   | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> </ul>  |  | 40+ | A2         | 209                   | 8.16           |
| T28 | Copper Beech | 19     | 650        | N 5<br>E 10.5<br>S 8.5<br>W 7    | 6-N<br>0.5                 | M          | M  | <ul style="list-style-type: none"> <li>Highly biased crown due to suppression by neighbouring tree(s).</li> <li>Very large cavity to lowest primary branch to north which arises at a height of approximately 8.0m.</li> <li>Cavity close to branch bark union.</li> </ul>   | <ul style="list-style-type: none"> <li>Prune to remove primary branch with cavity close to union.</li> </ul> | 10+ | C1         | 191                   | 7.8            |

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**Assessment Date:** 29 September 2012

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| No. | Species      | Height | Stem Diam. | Branch Spread                | Branch & Canopy Clearances | Life Stage | PC | General Observation and Comments  | Management Recommendations | ERC | Cat. Grade | RPA (m <sup>2</sup> ) | RPA Radius (m) |
|-----|--------------|--------|------------|------------------------------|----------------------------|------------|----|---|----------------------------|-----|------------|-----------------------|----------------|
| T29 | Lime         | 23     | 950        | N 6<br>E 6<br>S 7<br>W 8.5   | 2-M<br>1.5                 | M          | G  | <ul style="list-style-type: none"> <li>Upright branch arises from north side of stem at a height of approximately 2.0m with an included bark union.</li> </ul>  |                            | 40+ | A2         | 408                   | 11.4           |
| T30 |              |        |            |                              |                            |            |    | <ul style="list-style-type: none"> <li>Tree has been removed.</li> </ul>  |                            |     |            |                       |                |
| T31 | Copper Beech | 18     | 940        | N 8<br>E 12<br>S 8<br>W 6    | 5-S<br>0.5                 | M          | G  | <ul style="list-style-type: none"> <li>Slightly biased crown to south-east due to partial suppression by neighbouring tree(s).</li> <li>Number of partially occluded and occluded pruning wounds to stem.</li> <li>Moderate amount of deadwood to approximately 30mm diameter.</li> </ul> |                            | 20+ | B2         | 400                   | 11.28          |
| T32 | Ash          | 12     | 350        | N 4.5<br>E 4.5<br>S 5<br>W 5 | 3-S<br>0                   | SM         | G  | <ul style="list-style-type: none"> <li>Lower stem has grown around old iron post and rail fence.</li> <li>Several relatively large diameter adventitious branches to lower stem with included bark unions.</li> <li>Very dense ivy up stem and into branches.</li> </ul>                  | Sever ivy.                 | 20+ | B1/2       | 55                    | 4.2            |
| T33 | Common Oak   | 11     | 400        | N 4.5<br>E 4<br>S 5.5<br>W 4 | 2.5-S<br>2                 | SM         | M  | <ul style="list-style-type: none"> <li>Crown showing signs of a reduction in vitality.</li> <li>Memorial plaque adjacent.</li> </ul>  |                            | 20+ | B1/2       | 72                    | 4.8            |
| T34 | Lime         | 23.5   | 730        | N 2.5<br>E 5<br>S 6<br>W 5   | 7-W<br>5                   | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem</li> </ul>  |                            | 40+ | A2         | 241                   | 8.76           |
| T35 | Lime         | 21.5   | 610        | N 3<br>E 5.5<br>S 2.5<br>W 4 | 6-W<br>5                   | EM         | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> </ul>   |                            | 40+ | A2         | 168                   | 7.32           |
| T36 | Lime         | 24.5   | 610        | N 2.5<br>E 5.5<br>S 2<br>W 4 | 7<br>8                     | EM         | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> </ul>   |                            | 40+ | A2         | 168                   | 7.32           |
| T37 | Lime         | 24.5   | 600        | N 4<br>E 7<br>S 2.5<br>W 2.5 | 8-E<br>5                   | EM         | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> </ul>   |                            | 40+ | A2         | 163                   | 7.2            |
| T38 | Lime         | 23     | 450        | N 3<br>E 6<br>S 2<br>W 2     | N/A<br>6                   | EM         | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> </ul>   |                            | 40+ | B1         | 92                    | 5.4            |

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|-----|------------------|--------|-----------|------------------------------|----------------------------|------------|----|---|----------------------------|-----|------------|-----------------------|----------------|
| T39 | Lime             | 22     | 660       | N 8<br>E 4.5<br>S 4<br>W 5.5 | 4-N<br>4                   | M          | G  | <ul style="list-style-type: none"> <li>Stem bifurcates into co-dominant primary branches at a height of approximately 5.0m.</li> <li>Moderate amount of deadwood to approximately 50mm diameter.</li> </ul> | ■                          | 40+ | A2         | 197                   | 7.92           |
| T40 | Lime             | 24.5   | 540       | N 4<br>E 3<br>S 6<br>W 2     | 10.5<br>10                 | EM         | G  | <ul style="list-style-type: none"> <li>Moderately severe lower stem to south.</li> </ul>  | ■                          | 40+ | B1         | 132                   | 6.48           |
| T41 | Lime             | 20     | 710       | N 7<br>E 6<br>S 7.5<br>W 3   | 6-S<br>2.5                 | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to north side of stem.</li> </ul>   | ■                          | 40+ | A2         | 228                   | 8.52           |
| T42 | Lime             | 18     | 340       | N 5<br>E 3<br>S 6.5<br>W 3   | 6-S<br>4.5                 | SM         | G  | <ul style="list-style-type: none"> <li>Moderately biased crown to south due to partial suppression by neighbouring tree(s).</li> <li>Moderately dense shoot growth to stem.</li> </ul>                      | ■                          | 40+ | B1         | 52                    | 4.08           |
| T43 | Lime             | 17     | 630       | N 8<br>E 5<br>S 8<br>W 3     | 5-S<br>2.5                 | M          | G  | <ul style="list-style-type: none"> <li>Moderate amount of deadwood to approximately 30mm diameter.</li> </ul>   | ■                          | 40+ | A2         | 180                   | 7.56           |
| T44 | Lime             | 17.5   | 420       | N 5<br>E 5.5<br>S 6<br>W 3   | 6-N<br>4                   | SM         | G  | <ul style="list-style-type: none"> <li>Moderate amount of deadwood to approximately 30mm diameter.</li> <li>Moderately dense shoot growth to stem.</li> </ul>   | ■                          | 40+ | A2         | 80                    | 5.04           |
| T45 | Weeping Wych Elm | 6      | 380       | N 5<br>E 2.5<br>S 0<br>W 2   | 3<br>0                     | EM         | G  | <ul style="list-style-type: none"> <li>Highly biased crown and moderate severe mid stem curvature to north due to suppression by neighbouring tree(s).</li> <li>Dense ivy up stem.</li> </ul>               | ■                          | 10+ | C1         | 65                    | 4.56           |
| T46 | Lime             | 20.5   | 700       | N 6.5<br>E 5<br>S 2<br>W 7.5 | 6-W<br>4.5                 | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> </ul>   | ■                          | 40+ | A2         | 222                   | 8.4            |
| T47 | Lime             | 21     | 700       | N 2<br>E 4<br>S 2<br>W 7     | 8<br>6                     | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> </ul>   | ■                          | 40+ | A2         | 222                   | 8.4            |

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| No. | Species              | Height | Stem Diam. | Branch Spread                  | Branch & Canopy Clearance | Life Stage | PC | General Observation and Comments  | Management Recommendations | ERC | Cat. Grade | RPA (m <sup>2</sup> ) | RPA Radius (m) |
|-----|----------------------|--------|------------|--------------------------------|---------------------------|------------|----|---|----------------------------|-----|------------|-----------------------|----------------|
| T48 | Lime                 | 22.5   | 770        | N 2<br>E 5<br>S 3<br>W 7       | 6<br>5                    | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> <li>Stem bifurcates into co-dominant primary branches at a height of 8.0m.</li> </ul>   |                            | 40+ | A2         | 268                   | 9.24           |
| T49 | Lime                 | 21     | 770        | N 1.5<br>E 4.5<br>S 6<br>W 6   | 7-S<br>3                  | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> </ul>   |                            | 40+ | A2         | 268                   | 9.24           |
| T50 | Weeping Copper Beech | 1.2    | 50         | N 1<br>E 1<br>S 1<br>W 1       | N/A<br>0                  | Y          | G  | <ul style="list-style-type: none"> <li>Very young tree with memorial plaque adjacent.</li> </ul>  |                            | 40+ | C1         | 1                     | 0.6            |
| T51 | Cherry Plum          | 8      | 2x140 (ts) | N 2<br>E 4.5<br>S 3<br>W 1     | N/A<br>2                  | EM         | G  | <ul style="list-style-type: none"> <li>Moderately biased crown and moderate stem lean to east.</li> <li>Stem bifurcates into co-dominant sub-stems at a height of approximately 0.7m.</li> </ul>                          |                            | 10+ | C1         | 18                    | 2.38           |
| T52 | Laburnum             | 7      | 230        | N 0.1<br>E 2.5<br>S 5<br>W 2.5 | N/A<br>1                  | EM         | G  | <ul style="list-style-type: none"> <li>Severe stem lean to south evidently resultant of previous partial rootplate failure.</li> </ul>  |                            | 10+ | C1         | 24                    | 2.76           |
| T53 | Lime                 | 22     | 700        | N 1.5<br>E 6.5<br>S 6.5<br>W 5 | 5-W<br>5                  | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> </ul>   |                            | 40+ | A2         | 222                   | 8.4            |
| T54 | Lime                 | 21.5   | 570        | N 2.5<br>E 6<br>S 2.5<br>W 5   | 6-E<br>3.5                | EM         | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> </ul>   |                            | 40+ | A2         | 147                   | 6.84           |
| T55 | Lime                 | 18.5   | 520        | N 2.5<br>E 7<br>S 3<br>W 5     | 9-N<br>5                  | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> </ul>   |                            | 40+ | A2         | 122                   | 6.24           |
| T56 | Lime                 | 2      | 530        | N 5.5<br>E 4.5<br>S 2.5<br>W 6 | 3-N<br>6                  | EM         | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to lower stem.</li> <li>Relatively large diameter.</li> <li>Upright primary branch arises from north side of stem at a height of approximately 3.0m.</li> </ul> |                            | 40+ | A2         | 127                   | 6.36           |

**TREE SURVEY SCHEDULE FOR ARBORICULTURAL CONSTRAINTS APPRAISAL**  
**Site:** Clitheroe Hospital, Chaburn Road, Clitheroe, Lancashire, BB7 4JX  
**Agent for Client:** Nighthingale Associates

**Surveyor:** Phill Harris - Chartered Arboriculturist  
**Assessment Date:** 29 September 2012  
**Job Reference:** BTC382

| No. | Species          | Height | Stem Diam. | Branch Spread                     | Branch & Canopy Clearance | Life Stage | PC | General Observation and Comments   | Management Recommendations  | ERC | Can. Grade | RPA (m <sup>3</sup> ) | RPA Radius (m) |
|-----|------------------|--------|------------|-----------------------------------|---------------------------|------------|----|--|---|-----|------------|-----------------------|----------------|
| T57 | Weeping Wych Elm | 6      | 270        | N 4<br>E 10.1<br>S 1<br>W 4       | 3<br>0                    | EM         | G  | <ul style="list-style-type: none"> <li>Highly biased crown to north-west due to suppression by neighbouring tree(s).</li> <li>Severe mid stem curvature.</li> <li>Moderately large cavity to mid stem with evident bat roost potential.</li> <li>Stem divides into multiple primary branches at a height of approximately 5.0m.</li> <li>Dense shoot growth to stem.</li> <li>Moderate amount of deadwood to approximately 30mm diameter.</li> </ul> | <ul style="list-style-type: none"> <li>Remove due to short projected remaining safe life expectancy.</li> </ul> | 10+ | C1         | 33                    | 3.24           |
| T58 | Lime             | 18     | 830        | N 9<br>E 7<br>S 9<br>W 6.5        | 4-S<br>3                  | M          | G  | <ul style="list-style-type: none"> <li>Large diameter upright primary branch arises from western side of stem at a height of approximately 3.0m with a partially included bark union.</li> <li>Moderate amount of deadwood to approximately 30mm diameter.</li> </ul>  |   | 40+ | A2         | 312                   | 9.96           |
| T59 | Lime             | 19.5   | 810        | N 9<br>E 5<br>S 11<br>W 7         | 3-W<br>2                  | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to stem.</li> <li>Moderate amount of deadwood to approximately 60mm diameter.</li> </ul>   |   | 40+ | A2         | 297                   | 9.72           |
| T60 | Lime             | 19.5   | 630        | N 8.5<br>E 3.5<br>S 10.5<br>W 3.5 | 6-S<br>3                  | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to stem.</li> <li>Moderate amount of deadwood to approximately 60mm diameter.</li> </ul>   |   | 40+ | A2         | 180                   | 7.56           |
| T61 | Lime             | 19.5   | 710        | N 8.5<br>E 8<br>S 8.5<br>W 3      | 6-S<br>2                  | M          | G  | <ul style="list-style-type: none"> <li>Dense shoot growth to stem.</li> <li>Moderate amount of deadwood to approximately 60mm diameter.</li> </ul>   |   | 40+ | A2         | 228                   | 8.52           |
| T62 | Holly            | 8.5    | 300        | N 3<br>E 2.5<br>S 2<br>W 2.5      | N/A<br>1.5                | EM         | MD | <ul style="list-style-type: none"> <li>Stem bifurcates into co-dominant sub stems at a height of approximately 0.5m.</li> <li>Dense ivy up stem.</li> <li>Crown showing signs of a significant and evidently progressive reduction in vitality with small leaves and sparse foliage cover.</li> <li>Short projected remaining safe life expectancy.</li> </ul>   | <ul style="list-style-type: none"> <li>Remove due to short projected remaining safe life expectancy.</li> </ul> | <10 | U          | 41                    | 3.6            |
| T63 |                  |        |            |                                   |                           |            |    | <ul style="list-style-type: none"> <li>Tree has been removed.</li> </ul>   |   |     |            |                       |                |
| T64 | Ash              | 18     | 580        | N 4<br>E 7<br>S 8.5<br>W 7        | 4-E<br>0.5                | EM         | M  | <ul style="list-style-type: none"> <li>Crown showing signs of recent reduction in vitality with slightly small leaves and slightly sparse foliage cover.</li> <li>Moderate amount of deadwood to approximately 50mm diameter.</li> <li>Dense ivy up stem and into branches.</li> </ul>   | <ul style="list-style-type: none"> <li>Sever ivy.</li> </ul>  | 20+ | B1         | 152                   | 6.96           |



**TREE SURVEY SCHEDULE FOR ARBORICULTURAL CONSTRAINTS APPRAISAL**

**Site:** Clitheroe Hospital, Chatburn Road, Clitheroe, Lancashire, BB7 4JX

**Agent for Client:** Nighthingale Associates

**Surveyor:** Phill Hams - Chartered Arboriculturist

**Assessment Date:** 29 September 2012

**Job Reference:** BTC382

| No. | Species      | Height | Stem Diam. | Branch Spread              | Branch & Canopy Clearances | Life Stage | PC | General Observation and Comments  | Management Recommendations  | ERC | Cal. Grade | RPA (m <sup>2</sup> ) | RPA Radius (m) |
|-----|--------------|--------|------------|----------------------------|----------------------------|------------|----|---|---|-----|------------|-----------------------|----------------|
| T65 | Lime         | 20.5   | 750        | N 5<br>E 7<br>S 5<br>W 6.5 | 2.5-N<br>0                 | M          | G  | <ul style="list-style-type: none"> <li>Large diameter upright primary branch arises from north side of stem at a height of approximately 3.0m with an included bark union.</li> <li>Moderately dense shoot growth to lower stem.</li> </ul>   |   | 40+ | B2         | 254                   | 9              |
| T66 | Lime         | 18     | 540        | N 3<br>E 7<br>S 3<br>W 6   | 3.5-E<br>0                 | EM         | G  | <ul style="list-style-type: none"> <li>Stem bifurcates into co-dominant primary branches at a height of approximately 3.5m.</li> </ul>  |   | 40+ | A2         | 132                   | 6.48           |
| T67 | Lime         | 20.5   | 660        | N 4<br>E 7<br>S 4<br>W 6.5 | 4-S<br>0                   | M          | G  | <ul style="list-style-type: none"> <li>Moderate amount of deadwood to approximately 50mm diameter.</li> <li>Stem bifurcates at a height of approximately 4.0m.</li> </ul>   |   | 40+ | A2         | 197                   | 7.92           |
| T68 | Lime         | 20.5   | 630        | N 6<br>E 7<br>S 4<br>W 6   | 4-S<br>0                   | M          | G  | <ul style="list-style-type: none"> <li>Large diameter upright primary branch arises from north side of stem at a height of approximately 3.0m with an included bark union.</li> <li>Moderately dense shoot growth to lower stem.</li> </ul>   |   | 40+ | A2         | 180                   | 7.56           |
| T69 |              |        |            |                            |                            |            |    | <ul style="list-style-type: none"> <li>Tree has been removed.</li> </ul>  |   |     |            |                       |                |
| T70 |              |        |            |                            |                            |            |    | <ul style="list-style-type: none"> <li>Tree has been removed.</li> </ul>  |   |     |            |                       |                |
| T71 |              |        |            |                            |                            |            |    | <ul style="list-style-type: none"> <li>Tree has been removed.</li> </ul>  |   |     |            |                       |                |
| T72 |              |        |            |                            |                            |            |    | <ul style="list-style-type: none"> <li>Tree has been removed.</li> </ul>  |   |     |            |                       |                |
| T73 | Ash          | 9      | 260        | N 4<br>E 3<br>S 4<br>W 4   | 4-S<br>3.5                 | Y          | G  | <ul style="list-style-type: none"> <li>Standing in neighbouring verge with stem growing through wooden post and rail and fence and subsequently causing moderate progressive structural damage.</li> <li>Crown partially overhanging site.</li> </ul>   | <ul style="list-style-type: none"> <li>Recommend to remove due to damage to fence.</li> </ul>                   | <10 | U          | 31                    | 3.12           |
| T74 |              |        |            |                            |                            |            |    | <ul style="list-style-type: none"> <li>Tree has been removed.</li> </ul>  |   |     |            |                       |                |
| T75 | Common Alder | 8      | 750        | N 6<br>E 5<br>S 6<br>W 6   | 2-N<br>1                   | PM         | G  | <ul style="list-style-type: none"> <li>Evidently located on neighbouring land with crown partially overhanging site.</li> <li>Several large primary branches have previously failed leaving large cavities with decay evident within.</li> <li>Short projected remaining safe life expectancy.</li> </ul> | <ul style="list-style-type: none"> <li>Recommend to remove due to evident poor structural condition.</li> </ul> | <10 | U          | 254                   | 9              |
| T76 | Ash          | 10.5   | 240        | N 4<br>E 4<br>S 4<br>W 4   | 3-S<br>1.5                 | Y          | G  | <ul style="list-style-type: none"> <li>Located on neighbouring land next to boundary fence with crown partially overhanging site.</li> <li>Not inspected in detail.</li> </ul>  |   | 40+ | B2         | 26                    | 2.88           |

**TREE SURVEY SCHEDULE FOR ARBORICULTURAL CONSTRAINTS APPRAISAL**  
**Site:** Clitheroe Hospital, Chaburn Road, Clitheroe, Lancashire, BB7 4JX  
**Agent for Client:** Nighthingale Associates

**Surveyor:** Phill Harns – Chartered Arboriculturist  
**Assessment Date:** 29 September 2012  
**Job Reference:** BTC382

| No. | Species      | Height | Stem Dim.  | Branch Spread                    | Branch 2 Canopy Clearance | Life Stage | PC  | General Observation and Comments   | Management Recommendations  | ERC | Cal. Grade | RPA (m <sup>2</sup> ) | RPA Radius (m) |
|-----|--------------|--------|------------|----------------------------------|---------------------------|------------|-----|--|---|-----|------------|-----------------------|----------------|
| T77 | Common Alder | 9.5    | 680        | N 5.5<br>E 4.5<br>S 5.5<br>W 4.5 | 1.5-N<br>0.5              | PM         | m   | <ul style="list-style-type: none"> <li>Located on neighbouring land next to boundary fence with crown partially overhanging site.</li> <li>Not inspected in detail.</li> <li>Very large cavity to lower stem and several smaller cavities to upper stem with evidently extensive brown rot decay within.</li> <li>Short projected remaining safe life expectancy.</li> </ul> | <ul style="list-style-type: none"> <li>Recommend to remove due to evident poor structural condition.</li> </ul> | <10 | U          | 209                   | 8.16           |
| T78 | Common Alder | 10.5   | 700        | N 5.5<br>E 4.4<br>S 5.5<br>W 5.5 | 1.5-N<br>1                | PM         | M   | <ul style="list-style-type: none"> <li>Located on neighbouring land next to boundary fence with crown partially overhanging site.</li> <li>Not inspected in detail.</li> <li>Large cavity with evidently non-progressive decay within.</li> <li>Short projected remaining safe life expectancy.</li> </ul>   | <ul style="list-style-type: none"> <li>Recommend to remove due to evident poor structural condition.</li> </ul> | <10 | U          | 222                   | 8.4            |
| T79 | Laburnum     | 8      | 2x230 (ts) | N 3<br>E 3<br>S 3<br>W 3         | 3-S<br>2.5                | M          | P   | <ul style="list-style-type: none"> <li>Stem bifurcates into co-dominant primary branches at a height of approximately 1.3m with a partially included bark union with bark necrosis below.</li> <li>Short projected remaining safe life expectancy.</li> </ul>  | <ul style="list-style-type: none"> <li>Remove due to short projected remaining safe life expectancy.</li> </ul> | <10 | U          | 48                    | 3.9            |
| T80 | Ash          | 15     | 550        | N 6<br>E 6<br>S 6<br>W 6         | 3.5<br>3.5                | EM         | G   | <ul style="list-style-type: none"> <li>Very dense ivy up stem and into branches which significantly impeded inspection.</li> </ul>   | <ul style="list-style-type: none"> <li>Sever ivy.</li> </ul>  | 40+ | B          | 137                   | 6.6            |
| T81 | Ash          | 14     | 2x250 (ts) | N 2<br>E 4<br>S 4<br>W 5         | 5<br>7                    | SM         | G   | <ul style="list-style-type: none"> <li>Two stems arise at ground level with an acute included bark union.</li> <li>Multi stemmed Hawthorn growing around base.</li> </ul>  | <ul style="list-style-type: none"> <li>Remove Hawthorn growing at base.</li> </ul>                              | 10+ | C1         | 56                    | 4.24           |
| T82 | Ash          | 9      | 430        | N 7<br>E 3<br>S 0<br>W 0         | N/A<br>0.5                | SM         | M   | <ul style="list-style-type: none"> <li>Severe lower stem curvature at a height of approximately 1.0m where it runs horizontal for approximately 5.0m prior to turning vertical.</li> <li>Short projected remaining safe life expectancy.</li> </ul>  | <ul style="list-style-type: none"> <li>Remove due to short projected remaining safe life expectancy.</li> </ul> | <10 | U          | 84                    | 5.16           |
| T83 | Hawthorn     | 9.5    | 320        | N 3<br>E 4<br>S 3.5<br>W 2.5     | 3<br>3                    | M          | M/G | <ul style="list-style-type: none"> <li>Very dense ivy up stem and into branches.</li> <li>Crown showing signs of a recent reduction in vitality with moderately small leaves and slightly sparse foliage cover.</li> </ul>   | <ul style="list-style-type: none"> <li>Sever ivy.</li> </ul>  | 10+ | C1         | 46                    | 3.84           |
| T84 | Beech        | 7      | 230        | N 1<br>E 3<br>S 2.5<br>W 0.5     | 1-E<br>0.5                | Y          | G   | <ul style="list-style-type: none"> <li>Highly biased crown to south-east due to suppression by neighbouring tree(s).</li> <li>Stem bifurcates into co-dominant primary branches at a height of approximately 1.0m.</li> </ul>  | <ul style="list-style-type: none"> <li></li> </ul>  | 40+ | C1/2       | 24                    | 2.76           |

**TREE SURVEY SCHEDULE FOR ARBORICULTURAL CONSTRAINTS APPRAISAL**

Site: Clitheroe Hospital, Chaburn Road, Clitheroe, Lancashire, BB7 4JX

Agent for Client: Nighingale Associates

Surveyor: Phill Harris – Chartered Arboriculturist

Assessment Date: 29 September 2012

Job Reference: BTC382

| No. | Species           | Height | Stem Diam.          | Branch Spread                    | Branch & Canopy Clearances | Life Stage | PC  | General Observation and Comments  | Management Recommendations  | ERC | Cat. Grade | RPA (m <sup>2</sup> ) | RPA Radius (m) |
|-----|-------------------|--------|---------------------|----------------------------------|----------------------------|------------|-----|---|---|-----|------------|-----------------------|----------------|
| T85 | Rowan             | 12     | 2x280 (ts)          | N 4.5<br>E 3<br>S 4.5<br>W 4.5   | 4-W<br>2.5                 | M          | M/G | <ul style="list-style-type: none"> <li>Stem bifurcates into co-dominant primary branches at a height of approximately 1.2m with a partially included bark union.</li> </ul>   |   | 10+ | C1         | 71                    | 4.75           |
| T86 | Silver Birch      | 15     | 420                 | N 4<br>E 3.5<br>S 2.5<br>W 4.5   | 6-S<br>2.5                 | M          | M   | <ul style="list-style-type: none"> <li>Part of a group with co-dominant crowns.</li> <li>Crown showing signs of a recent reduction in vitality with slightly small leaves and slightly sparse foliage cover.</li> </ul>   |   | 10+ | C1         | 80                    | 5.04           |
| T87 | Cappadocian Maple | 13     | 2x330<br>3x240 (ms) | N 5.5<br>E 6.5<br>S 3.5<br>W 5.5 | 1-W<br>1.5                 | EM         | G   | <ul style="list-style-type: none"> <li>Stem divides into multiple sub-stems at a height of between approximately 0.3m and 0.7m with several partially included bark unions, with one having a small area of rapid recent adaptive growth below.</li> </ul>                            |   | 10+ | C1         | 177                   | 7.5            |
| T88 | Copper Beech      | 15.5   | 550                 | N 3<br>E 7.5<br>S 7.5<br>W 6     | 2.5-S<br>2                 | EM         | G   | <ul style="list-style-type: none"> <li>Moderately large partially occluded pruning wound to stem at a height of approximately 2.0m.</li> </ul>  |   | 40+ | B2         | 137                   | 6.6            |
| T89 | Norway maple      | 14     | 500                 | N 6<br>E 5<br>S 6<br>W 6         | 2<br>2.5                   | EM         | M   | <ul style="list-style-type: none"> <li>Stem trifurcates into large diameter primary branches at a height of approximately 1.8m with partially included bark unions.</li> </ul>  |   | 10+ | C1         | 113                   | 6              |
| T90 | Apple             | 6      | 200                 | N 2.5<br>E 2<br>S 1.5<br>W 2.5   | 2<br>1.5                   | SM         | M   | <ul style="list-style-type: none"> <li>Crown showing signs of a recent reduction in vitality with moderately small leaves and moderately sparse foliage cover.</li> </ul>   |   | 10+ | C1         | 18                    | 2.4            |
| T91 | Austrian pine     | 10.5   | 390                 | N 4<br>E 4<br>S 4<br>W 4         | 4-W<br>2                   | SM         | G   | <ul style="list-style-type: none"> <li>Stem bifurcates into co-dominant upright primary branches at a height of approximately 3.0m with an acute included bark union which is showing signs of incipient failure.</li> <li>short projected remaining safe life expectancy.</li> </ul> | <ul style="list-style-type: none"> <li>Remove due to short projected remaining safe life expectancy.</li> </ul> | <10 | U          | 69                    | 4.68           |
| T92 | Cappadocian Maple | 9      | 2x330 (ts)          | N 4.5<br>E 2.5<br>S 4.5<br>W 4.5 | 2-N<br>1.5                 | SM         | G   | <ul style="list-style-type: none"> <li>Stem bifurcates into co-dominant primary branches at a height of approximately 1.0m with an included bark union with a small area of swelling below.</li> </ul>  |   | 10+ | C1         | 99                    | 5.6            |
| T93 | Ash               | 14     | 550                 | N 7<br>E 6<br>S 4<br>W 5.5       | 3-N<br>0.5                 | EM         | G   | <ul style="list-style-type: none"> <li>Located on neighbouring land next to boundary fence with crown partially overhanging site.</li> <li>Not inspected in detail.</li> <li>Holly growing at base within site boundaries.</li> </ul>   |   | 40+ | B2         | 137                   | 6.6            |

**TREE SURVEY SCHEDULE FOR ARBORICULTURAL CONSTRAINTS APPRAISAL**  
**Site:** Clitheroe Hospital, Chalkburn Road, Clitheroe, Lancashire, BB7 4JX  
**Agent for Client:** Nightingale Associates

**Surveyor:** Phill Harris – Chartered Arboriculturist  
**Assessment Date:** 29 September 2012  
**Job Reference:** BTC382

| No. | Species   | Height | Stem Diam.   | Branch Spread                            | Branch & Canopy Clearances | Life Stage   | PC  | General Observation and Comments  | Management Recommendations   | ERC | Can. Grade | RPA (m <sup>2</sup> ) | RPA Radius (m) |
|-----|---|--------|--------------|--|----------------------------|--------------|-----|---|--|-----|------------|-----------------------|----------------|
| T94 | Cypress   | 6.5    | 170          | N 2<br>E 2<br>S 2<br>W 2                 | N/A<br>0.5                 | Y            | G   | ■ No visible structural defects.  |  | 40+ | C1         | 13                    | 2.04           |
| G1  |   |        |              |  |                            |              |     | ■ Group has been removed.   |  |     |            |                       |                |
| G2  | Horse Chestnut,<br>Alder, Norway<br>Maple, etc. | ≤ 15   | ≤ 370        | N ≤ 5<br>E ≤ 5<br>S ≤ 5<br>W ≤ 5         | ≥ 1<br>≥ 0                 | Y-SM<br>G    | G   | ■ Moderately closely spaced group located in neighbouring highway verge.<br>■ Not inspected in detail.<br>■ Extensive ground works have been carried out up to tence. |  | 40+ | B2         | ≤ 62                  | ≤ 4.44         |
| G3  | Lilac, Hawthorn,<br>Elder, Ash, etc.            | ≤ 9    | ≤ 80         | N ≤ 4<br>E ≤ 4<br>S ≤ 4<br>W ≤ 4         | ≥ 0<br>≥ 0                 | Y-M<br>M-G   | M-G | ■ Closely spaced group of mostly shrub species with several very young trees within.  |  | 40+ | C1/2       | ≤ 17                  | ≤ 2.35         |
| G4  | 5no. Apple                                      | ≤ 8    | ≤ 320        | N ≤ 4<br>E ≤ 4<br>S ≤ 4<br>W ≤ 4         | ≥ 1<br>≥ 1.5               | SM-EM<br>M-G | M-G | ■ Loose group with many trees' crowns showing signs of a recent reduction in vitality with moderately small leaves and moderately sparse foliage cover.               |  | 10+ | C1         | ≤ 46                  | ≤ 3.84         |
| G5  | 11no. Apple                                     | ≤ 8    | ≤ 350        | N ≤ 4.5<br>E ≤ 4.5<br>S ≤ 4.5<br>W ≤ 4.5 | ≥ 0.5<br>≥ 0.5             | SM-M<br>M-G  | M-G | ■ Loose group with many trees' crowns showing signs of a recent reduction in vitality with moderately small leaves and moderately sparse foliage cover.               |  | 10+ | C1         | ≤ 55                  | ≤ 4.2          |
| G6  | Elder, Hawthorn                                 | ≤ 8    | ≤ 6X120 (ms) | N ≤ 4.5<br>E ≤ 4.5<br>S ≤ 4.5<br>W ≤ 4.5 | ≥ 1<br>≥ 0                 | EM-M<br>M-G  | M-G | ■ Small loose group of moderately small multi-stemmed trees.  |  | 20+ | C1/2       | ≤ 39                  | ≤ 3.53         |
| H1  | Hawthorn,<br>Ash, etc.                          | ≤ 6    | N/A          | ≤ 6 wide                                 | N/A                        | Y            | G   | ■ Well established overgrown hedge running along boundary but located in neighbouring highway verge.  |  | 20+ | C1/2       | N/A                   | ≤ 1            |
| H2  | Hawthorn,<br>Hazel, Ash, etc.                   | ≤ 9    | N/A          | ≤ 7 wide                                 | N/A                        | Y-SM         | G   | ■ Well established overgrown hedge running along boundary.<br>■ Large number of moderately small multi-stemmed Hazel and one moderately small young Ash within.       | ■ Lay and maintain at a height of approximately 2.5m.<br>■ Retain trees where appropriate. | 20+ | C1/2       | N/A                   | ≤ 3            |
| H3  | Hawthorn,<br>Elder, Ash, etc.                   | ≤ 9    | N/A          | ≤ 9 wide                                 | N/A                        | Y-M          | G   | ■ Well established overgrown hedge running along boundary.  | ■ Lay and maintain at a height of approximately 2.5m.<br>■ Retain trees where appropriate. | 20+ | C1/2       | N/A                   | ≤ 3            |



**DISCLAIMER**

**Survey Limitations:** Unless otherwise stated all trees are surveyed from ground level using non-invasive techniques, in sufficient detail to gather data for and inform the design of the current project only. The disclosure of hidden crown and stem defects, in particular where they may be above a reachable height or where trees are ivy clad or in areas of ground vegetation, cannot therefore be expected. All obvious defects, however, are reported. Detailed tree safety appraisals are only carried out under specific written instructions. Comments upon evident tree safety relate to the condition of said tree at the time of the survey only.

Unless otherwise stated all trees should be re-inspected annually in order to appraise their on-going mechanical integrity and physiological condition. It should, however, be recognised that tree condition is subject to change, for example due to the effects of disease, decay, high winds, development works, etc. Changes in land use or site conditions (e.g. development that increases access frequency) and the occurrence of severe weather incidents are also significant considerations with regards tree structural integrity and trees should therefore be re-assessed in the context of such changes and/or incidents and inspected at intervals relative to identified and varying site conditions and associated risks.

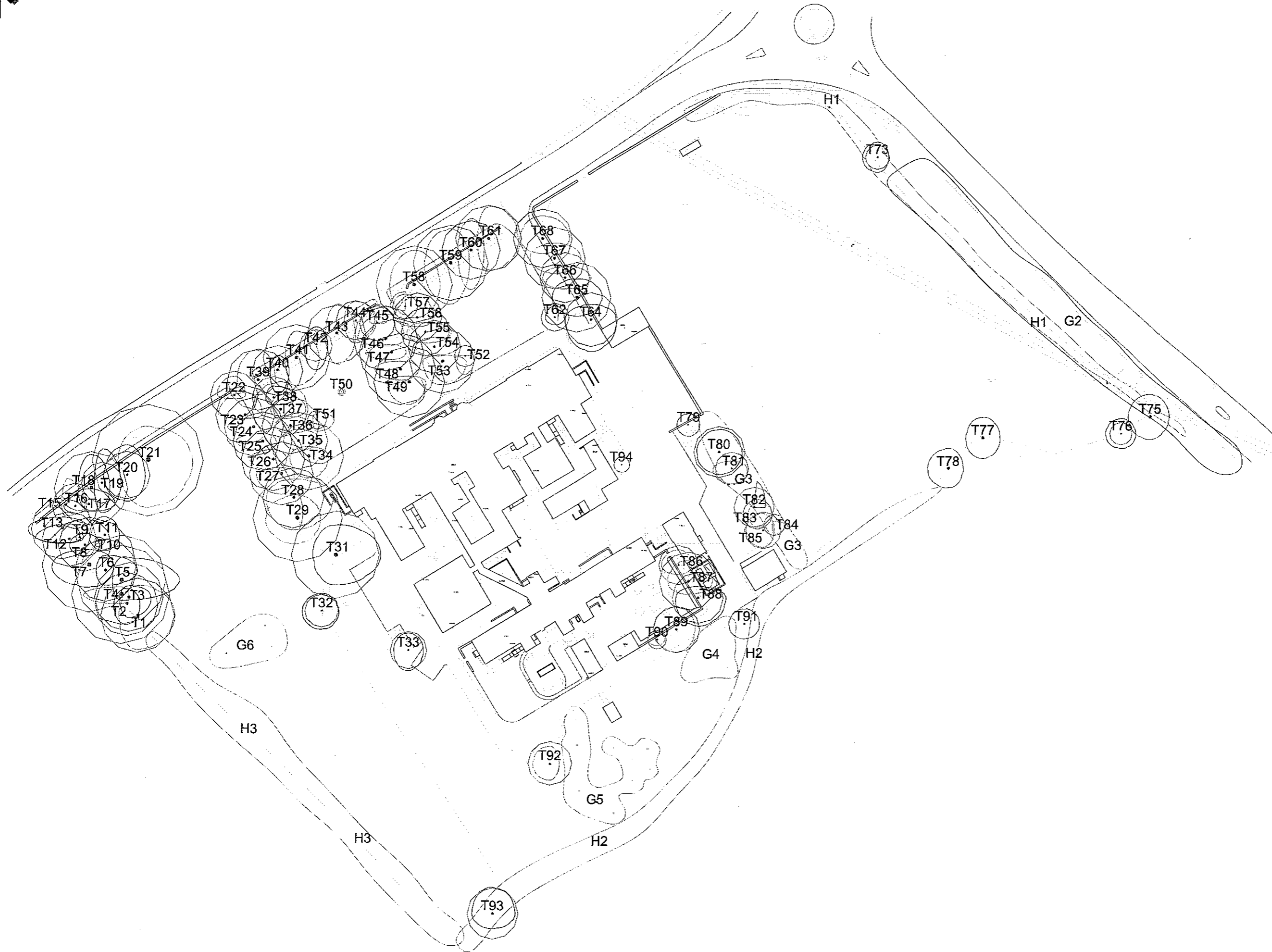
Where trees are located wholly or partially on neighbouring private third-party land then said land is not accessed and our inspection is therefore restricted to what can reasonably be seen from within the site. Stem diameters of trees located on such land are estimated. Any subsequent comments and judgments made in respect of such trees are based on these restrictions and are our preliminary opinion only. Recommendations for works to neighbouring third-party trees are only made where a potentially unacceptable risk to persons and/or property has been identified during our survey or, if applicable, where permissible works are required to implement a proposed development. Where significant structural defects of third-party trees are identified and associated management works are considered essential to negate any risk of harm and/or damage then we will first attempt to inform the site occupier of the issues and, if not possible, then inform the relevant Council. Where a more detailed assessment is considered necessary then appropriate recommendations are set out in the Tree Survey Schedule.

Where tree stem locations are not included on the plan(s) provided then they are plotted at the time of the survey using, where appropriate and/or practicable, a combination of measurement triangulation and GPS co-ordination. Where this is not possible then locations are estimated. Restrictions in these respects are detailed in the report.

The potential influence of trees upon buildings or other structures resulting from the effects of their roots abstracting water from shrinkable load-bearing soils is not considered herein. The advice of a structural engineer must be sought with regard to appropriate foundation depths for new buildings, with reference to NHBC Standards Chapter 4.2 (NHBC, 2008).

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**KEY**

T = Surveyed Individual Tree  
G = Surveyed Group of Trees  
H = Surveyed Hedge

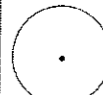
Please refer to associated Tree Survey Schedule for specific details in respect of items below:

**Tree Categorisations:**


Trees to be Considered for Retention:

-  Category A Tree/Group/Hedge  
Those of a High Quality with an Estimated Remaining Life Expectancy of at Least 40 Years
-  Category B Tree/Group/Hedge  
Those of a Moderate Quality with an Estimated Remaining Life Expectancy of at Least 20 Years
-  Category C Tree/Group/Hedge  
Those of Low Quality with an Estimated Remaining Life Expectancy of at Least 10 Years, or Young Trees

Trees Unsuitable for Retention:

-  Category 'U' Tree/Group/Hedge  
Those in Such a Condition that they Cannot Realistically be Retained as Living Trees in the Context of the Current Land Use for Longer Than 10 Years

**Root Protection Areas (RPAs):**

-  RPAs  
Area(s) of Ground Around Trees that Should be Protected Throughout Development Works with Protective Fencing to form a Construction Exclusion Zone - see Attached Temporary Protective Fencing Specification

**Project:**  
CLITHEROE HOSPITAL  
CHATBURN ROAD  
CLITHEROE  
LANCASHIRE  
BB7 4JX

**Agent for Client:**  
NIGHTINGALE ASSOCIATES

**Title:**  
**TREE CONSTRAINTS PLAN**  
in Relation to Proposal for Site Re-Development  
with New Hospital & Residential Development

Scale: 1:500@A1  
Date: September 2012  
Drawn by: PH



Important: The original version of this plan was produced in colour, which is essential to the plan's interpretation and usability. As such a monochrome copy should not be relied upon.





## - TEMPORARY PROTECTIVE FENCING SPECIFICATION -

**Construction Exclusion Zones (CEZs), enclosed by Temporary Protective Fencing, as detailed below and to be agreed with the Local Planning Authority (LPA), shall:**

1. be retained in place throughout the development process, as specified in the 'Temporary Protective Fencing Construction' section below and detailed in BS5837:2012 Figure 2 (overleaf);
2. be sited in the area defined on the Tree Protection Plan (TPP);
3. be erected prior to any construction, demolition or excavation works and remain in place for the duration of the project;
4. preclude any delivery of site accommodation and/or materials and/or plant machinery;
5. preclude all construction related activity, with the sole exception of specified arboricultural works and any other works to be carried out under supervision that have been agreed by all parties; and
6. preclude the storage of all development related materials and substances including fuels, oils, additives, cement and/or any other deleterious substance.

Any incursion into CEZs must be by prior arrangement, following consultation with the LPA.

### Temporary Protective Fencing Construction

1. Temporary protective fencing panels shall be weldmesh "Heras" panels of at least 2.0 metres in height.
2. The panels shall butt together and be securely fixed to a scaffold framework, as per 3 to 5 below.
3. The scaffold framework shall comprise of upright poles of at least 3.0 metres in length driven no less than 0.6 metres into the ground at maximum 3.0 metre centres with horizontal and diagonal poles fixed to the uprights, as per 4 to 5 below.
4. The two horizontal rail poles shall be attached to the uprights at heights of 0.6 and 1.8 metres with 3 no. clamps to each joint.
5. The diagonal scaffold pole struts be clamped to the top rail of the scaffold framework at a 45° angle and extend back into the CEZ and clamped to a 0.7 metre length of scaffold tube that shall be driven no less than 0.5m into the ground.
6. No fixing shall be made to any tree and all possible precautions shall be taken to prevent damage to tree roots when locating posts.
7. A 600mm x 300mm warning sign reading "TREE PROTECTION AREA KEEP OUT" (see Figure 1, below) shall be fixed to every 10.0 metre length of protective fencing.
8. On completion and prior to any demolition or construction works, site preparation, excavation or delivery of plant and materials, the Consulting Arboriculturist shall inspect the Temporary Protective Fencing.

Figure 1: CEZ Warning Sign

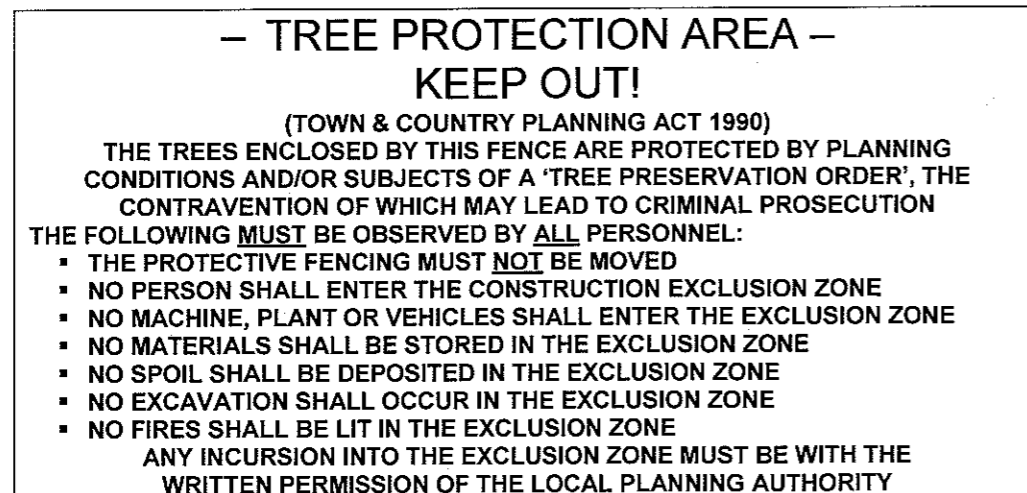


Figure 2: BS5837:2012 Default specification for protective barrier

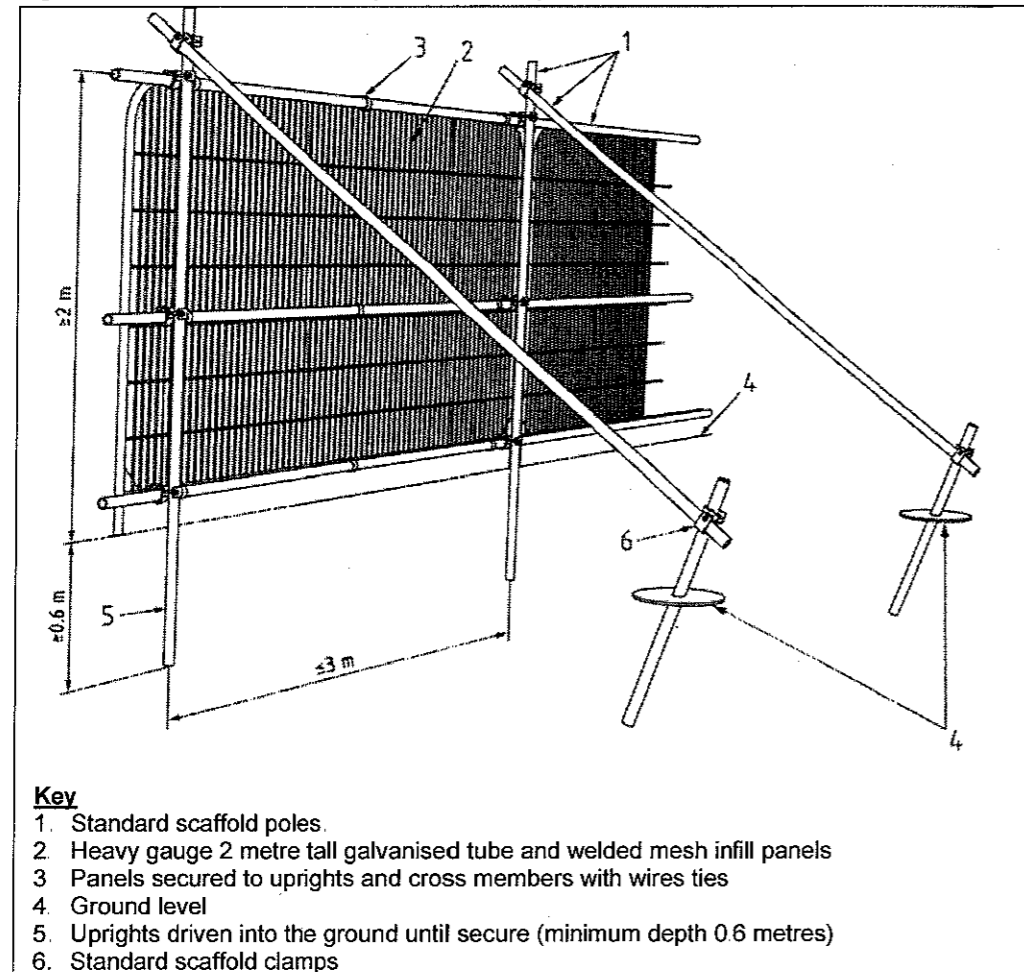
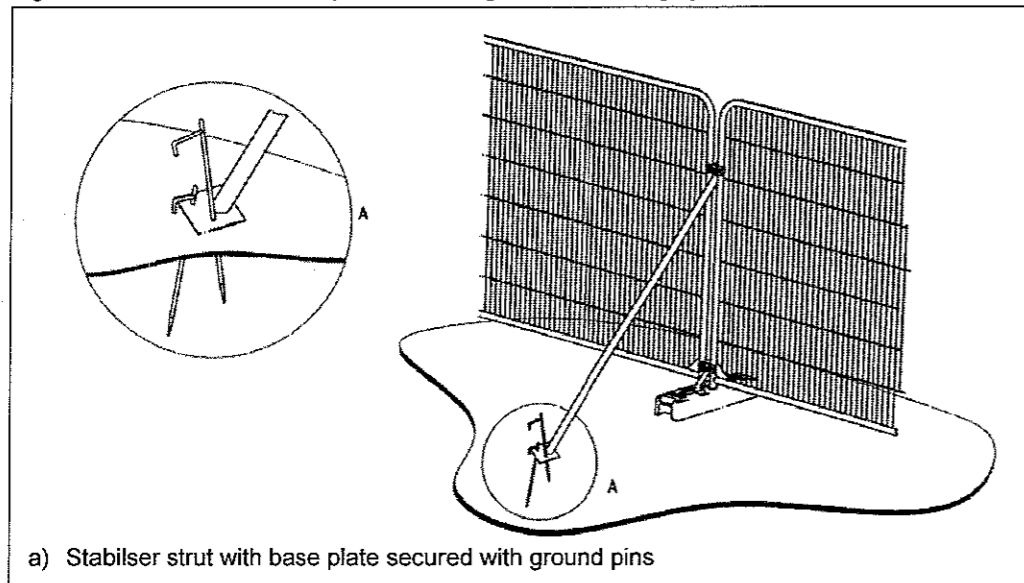
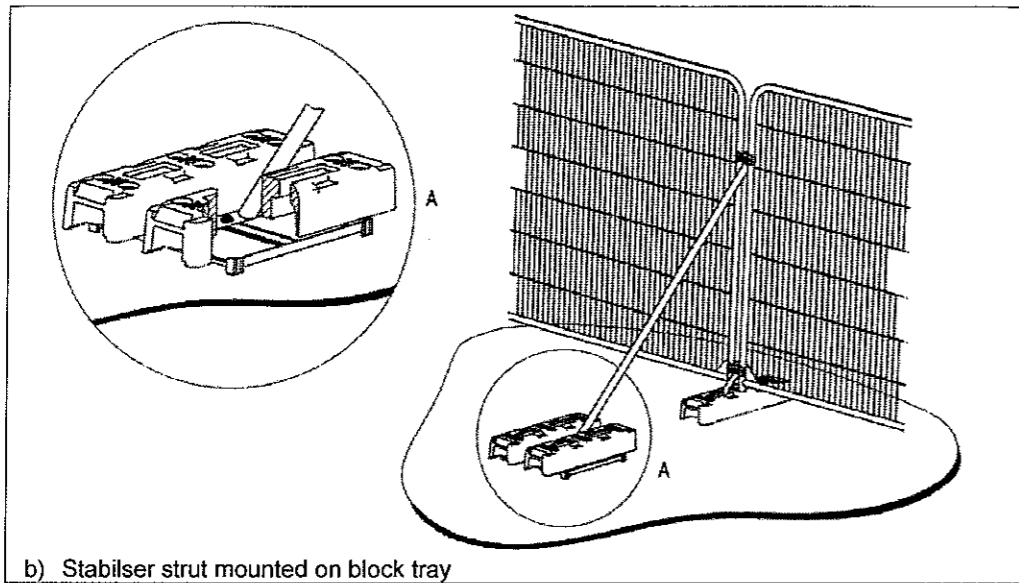


Figure 3: BS5837:2012 Examples of above-ground stabilising systems





b) Stabiliser strut mounted on block tray