



# ARBORICULTURAL METHOD STATEMENT

**Client:** Reading Community Hydro

**Site:** Caversham Weir  
View Island  
Caversham  
Reading

**Date:** 29 April 2020

**Ref.:** THL-R20-44-AMS

GROWING SINCE • 1982

## TREE HERITAGE

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- Tree Protection Plan (THL-0862-6)

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## 1.0 Introduction

- 1.1 The following method statement has been prepared by Tree Heritage Ltd for use in the proposed development at Caversham Weir.
- 1.2 This Arboricultural Method Statement has been produced to aid the safe and healthy survival of all trees to be retained on the development site. Implementation of the protection methods and special construction details within this report are integral to achieving this goal.
- 1.3 For details of trees to be retained, location and types of protection measures required reference should be made to drawings attached in appendix C of this report.
- 1.4 The information contained within this Arboricultural Method Statement is in line with BS 5837:2012 *Trees in relation to design, demolition and construction – Recommendations*.

## 2.0 Phasing and Monitoring

- 2.1 The following phasing and monitoring procedures are designed to protect the trees that are to be retained on site, from pre-development stage throughout construction to ensure their survival post development.
- 2.2 The order in which the works should commence is as follows;
  - 1. **Pre- Commencement Site meeting** – This should include a detailed discussion of the exact position of the protective fences, the necessity to ensure adequate supervision at key stages and who is responsible on site for the welfare of the trees.
  - 2. **Tree Works** – Including felling of trees and any enabling pruning works required along the access routes.
  - 3. **Tree Protection** – Fencing should be erected prior to any development work commencing on site. Any temporary ground protection matting used for the site compound will need to be installed at this stage.
  - 4. **Construction** – The construction works will be done in this phase.
  - 5. **Site completion** – Once the development is complete the tree protection barriers can be removed.



### **3.0 Root Protection Area and Construction Exclusion Zone**

- 3.1 Based on the tree survey data, Root Protection Areas (RPA's) have been calculated for every retained tree. The RPA's are designed to protect at least a functional minimum of tree root mass to ensure the trees survive the development process.
- 3.2 From the RPA data a Construction Exclusion Zone (CEZ) has been created. No access is permitted within the CEZ without authorisation from the Arboricultural Supervisor or Local Authority Tree Officer.
- 3.3 The Fish Pass will require work within the CEZ, details of this can be found in section 8 of this report.
- 3.4 It is the responsibility of everyone engaged in the development process to respect the tree protection measures and observe the necessary precautions within and adjacent to them. For details of the RPA's and CEZ please see plan THL-0862-6.

### **4.0 Tree Surgery/Felling**

- 4.1 It is recommended that all tree work including felling and pruning shall be carried out prior to the start of the development process. Details of all tree works to be carried out are listed in the tree works schedule located in Appendix A. All tree works should be carried out in accordance with current industry best practice, BS3998:2010 Tree Work - Recommendations.
- 4.2 All tree work should be carried out by fully qualified and competent contractors such as Arboricultural Association Approved Contractors. The works are listed in the Tree Work Schedule attached to this report in appendix A.
- 4.3 All operations should be carefully carried out to avoid damage to the trees being worked on and adjacent trees. No trees to be retained shall be used for anchorage or winching purposes.
- 4.4 Located along either side of the river are several large over mature Willows. Several of these have started to break up and shed limbs, as is normal of this species. Photographs attached in appendix D of this report show the condition of the trees.
- 4.5 For the safety reasons it is recommended that T9, T11, T12, T13 and T16 are all Pollarded to reduce the risk of further failure during the works. For details please see Tree Works Schedule attached to this report in appendix A.



## **5.0 Tree Protection**

- 5.1 The tree protection fencing shall be erected prior to any of the following taking place; Plant and Material delivery, Soil stripping, Demolition or Construction works, Utility installation, and Landscaping. When trees are near boundaries the RPA may extend into adjacent land, it is not necessary to erect barriers on adjacent land unless this is being used for access.
- 5.2 Once erected the fencing should be inspected by the Supervising Arboriculturalist to ensure it is in the correct location and suitable for purpose. The fencing should also be inspected by the site supervisor on a regular basis and any concerns should be raised with the supervising Arboriculturalist.
- 5.3 The tree protection fencing should be suitable for purpose to protect the tree from vehicle and machinery damage throughout the entire construction process. An example of the type of tree protection fencing as recommended in BS5837:2012 is attached in this report as Appendix B.
- 5.4 The fencing should have signs attached warning that access into these areas is not permitted without written authority from the supervising Arboriculturalist. An example of this can also be found in Appendix B.
- 5.5 The site compound and proposed temporary footpath diversion have been designed to avoid the RPA's of the nearby trees. It is essential that the barriers are in place prior to setting up the site compound and footpath. T2 will be relocated somewhere else within the site.

## **6.0 Restrictions within the Construction Exclusion Zone**

- 6.1 Inside the CEZ, the following shall apply.
  - No mechanical excavation whatsoever.
  - No excavation by other means without a detailed method statement being agreed by Supervising Arboriculturalist.
  - No lowering of the levels for any purposes.
  - No storage of plant or materials.
  - No storage or handling of any chemicals
  - No vehicle access without ground protection and agreement from the supervising Arboriculturalist.

## **7.0 Avoiding Damage to Retained Trees**

- 7.1 Care should be taken to ensure no damage occurs to the retained trees throughout the development, either through the demolition and construction process or through vehicle access and material delivery.



- 7.2 Any pruning work required to allow access for high vehicles should be carried out at the tree surgery stage in accordance with BS3998:2010 and done by suitably qualified specialist staff. No special access requirements have been identified or requested.
- 7.3 Special care will be required when using cranes to avoid contact with the canopies of the trees. Provision may be required for special measures if outriggers need to be used close to or within the RPA. It is recommended that large spreader plates are used to disperse the pressure over a wider area. The crane should be able to set up within the site compound and not encroach into the RPA's of the trees.

## **8.0 Installation of Fish Pass**

- 8.1 The Fish Pass is a concrete structure located between the trees as shown on plan THL-0862-5. The proposed works are located within the RPA's of several category C and U trees. The disturbance around the roots and the compaction of the soil will affect the long-term survival of these trees.
- 8.2 It is recommended that the trees are monitored during and after the works to assess the impact it has had and to ensure the safety of these trees as they decline. It is also recommended that some mitigation tree planting is carried out in the area around the Fish Pass.
- 8.3 A detailed construction method statement for any work within the RPA of any tree shall be produced by the contractor and agreed with the Supervising Arboriculturalist prior to the commencement of the work.

Tree Heritage Ltd

*Ben Williams*

Ben Williams  
BSc (Hons) Arb. M.Arbor.A

**29/04/2020**

Site: Caversham Weir, Reading  
 Surveyed by: Ben Williams BSc (Hons) Arb. M.Arbor.A  
 Date: 22/04/2020

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## APPENDIX A: TREE WORK SCHEDULE

### KEY:

| Measurements                                                                                                                                                                                                                                                                | Life Stage                                                                                          | Physiological Condition                      | Category Grading                                                                                                                                                                                                      | Symbols                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Height - Metres<br>Stem Diameter - Millimetres at 1.5m above ground level<br>Branch Spread - Metres (North, South, East and West)<br>Crown Clearance - Metres<br>RPA Radius - Metres<br>Estimated Remaining Contribution - Years<br>FSB - First Significant Branch - Metres | Y - Young<br>SM - Semi-Mature<br>EM - Early Mature<br>M - Mature<br>OM - Over-Mature<br>V - Veteran | G - Good<br>F - Fair<br>P - Poor<br>D - Dead | A - High (green)<br>B - Moderate (blue)<br>C - Low (grey)<br>U - Poor/Trees for removal (red)<br><b>Sub-Categories:</b><br>1 - Mainly Arboricultural value<br>2 - Mainly Landscape value<br>3 - Mainly Cultural value | < - Less than<br>~ - Approximately<br>> - Greater than |
| RPA - Root protection area (equivalent to a circle with a radius 12x the stem diameter measured at 1.5m above ground level)                                                                                                                                                 |                                                                                                     |                                              |                                                                                                                                                                                                                       |                                                        |

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| Tree Ref. | Species                             | Height | Stem Diameter    | Branch Spread |   |     |     | Crown Clearance | FSB Height + Direction | Life Stage | Phys. Condition | Structural Condition                                                                                                                                           | Recommendations                                                                                                                     | Estimated Remaining Contribution | Category Grading | RPA Radius |
|-----------|-------------------------------------|--------|------------------|---------------|---|-----|-----|-----------------|------------------------|------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------|------------|
|           |                                     |        |                  | N             | S | E   | W   |                 |                        |            |                 |                                                                                                                                                                |                                                                                                                                     |                                  |                  |            |
| T1        | Platanus X hispanica (London Plane) | 17     | 1000             | 9             | 7 | 9   | 8   | 2               | 3(S)                   | M          | Good            | Good condition.                                                                                                                                                | No work required.                                                                                                                   | 40+                              | A1               | 12         |
| T2        | Platanus X hispanica (London Plane) | 6      | 140              | 2.5           | 2 | 2.5 | 2   | 2               | 2(SE)                  | SM         | Good            |                                                                                                                                                                | Tree to be relocated out of work area.                                                                                              | 10+                              | C1               | 1.68       |
| T3        | Betula pendula (Silver Birch)       | 14     | 620              | 6.5           | 6 | 6.5 | 6.5 | 2               | 2.5(S)                 | M          | Good            | Good condition. Broken branch/es in crown. Low crown over proposed compound.                                                                                   | Remove broken/damaged branch/es.                                                                                                    | 20+                              | A1               | 7.44       |
| T4        | Platanus X hispanica (London Plane) | 6      | 130              | 2             | 2 | 2   | 2   | 2               | 2(SE)                  | SM         | Good            |                                                                                                                                                                | No work required.                                                                                                                   | 10+                              | C1               | 1.56       |
| T5        | Platanus X hispanica (London Plane) | 6      | 130              | 2             | 2 | 2   | 2   | 2               | 2(SE)                  | SM         | Good            |                                                                                                                                                                | No work required.                                                                                                                   | 10+                              | C1               | 1.56       |
| T6        | Salix fragilis (Crack Willow)       | 16     | 480,460, 440,240 | 12.5          | 7 | 8   | 10  | 3               | 3(NW)                  | OM         | Fair            | Leaning North-West. Ivy on stem. Unable to inspect stem due to Ivy. Broken branch/es in crown. Major deadwood in crown. Crown distorted due to group pressure. | Sever Ivy. Remove major deadwood over path. For long term retention, this tree will require management to prevent it falling apart. | <10                              | U                | 10         |
| T7        | Salix fragilis (Crack Willow)       | 16     | 640              | 3             | 9 | 7   | 7   | 3               | 3(S)                   | OM         | Fair            | Leaning South. Hanging branch/es in crown. Broken branch/es in crown. Major deadwood in crown.                                                                 | For long term retention, this tree will require management to prevent it falling apart                                              | <10                              | U                | 7.68       |

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| Tree Ref. | Species                       | Height | Stem Diameter | Branch Spread |   |    |     | Crown Clearance | FSB Height + Direction | Life Stage | Phys. Condition | Structural Condition                                                                                                                              | Recommendations                                                                        | Estimated Remaining Contribution | Category Grading | RPA Radius |
|-----------|-------------------------------|--------|---------------|---------------|---|----|-----|-----------------|------------------------|------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------|------------------|------------|
|           |                               |        |               | N             | S | E  | W   |                 |                        |            |                 |                                                                                                                                                   |                                                                                        |                                  |                  |            |
| T8        | Salix fragilis (Crack Willow) | 17     | 650           | 8             | 6 | 8  | 5   | 4               | 5(N)                   | OM         | Fair            | Ivy on stem. Cavity on stem. Hanging branch/es in crown. Broken branch/es in crown. Major deadwood in crown. Tree considered dangerous.           | For long term retention, this tree will require management to prevent it falling apart | <10                              | U                | 7.8        |
| T9        | Salix fragilis (Crack Willow) | 16     | 660           | 6             | 8 | 10 | 7   | 4               | 4(E)                   | OM         | Fair            | Decay present at base. Cavity at base. Hanging branch/es in crown. Broken branch/es in crown. Major deadwood in crown. Tree considered dangerous. | Pollard tree to make work area safe during the construction.                           | <10                              | U                | 7.92       |
| T10       | Fraxinus excelsior (Ash)      | 13     | 390           | 5             | 5 | 5  | 5   | 3               | 4(W)                   | M          | Fair            | Ivy on stem. Minor deadwood in crown.                                                                                                             | No work required.                                                                      | 10+                              | C1               | 4.68       |
| T11       | Salix fragilis (Crack Willow) | 7      | 190           | 2             | 2 | 1  | 4   | 1               | 1(W)                   | M          | Poor            | Ivy on stem. Dieback in crown. Minor deadwood in crown.                                                                                           | Pollard tree to make work area safe during the construction.                           | <10                              | U                | 2.28       |
| T12       | Salix fragilis (Crack Willow) | 7      | 150,150, 160  | 3             | 4 | 3  | 4.5 | 2               | 1(S)                   | M          | Fair            | Decay present at base. Multiple stems at ground level. Dieback in crown. Major deadwood in crown.                                                 | Pollard tree to make work area safe during the construction.                           | <10                              | U                | 3.19       |

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| Tree Ref. | Species                        | Height | Stem Diameter | Branch Spread |   |   |   | Crown Clearance | FSB Height + Direction | Life Stage | Phys. Condition | Structural Condition                                                                                                                                                                  | Recommendations                                              | Estimated Remaining Contribution | Category Grading | RPA Radius |
|-----------|--------------------------------|--------|---------------|---------------|---|---|---|-----------------|------------------------|------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------|------------------|------------|
|           |                                |        |               | N             | S | E | W |                 |                        |            |                 |                                                                                                                                                                                       |                                                              |                                  |                  |            |
| T13       | Salix fragilis (Crack Willow)  | 9      | 300,360, 200  | 4.5           | 6 | 5 | 6 | 2               | 1(S)                   | M          | Fair            | Decay present at base. Multiple stems at ground level. Dieback in crown. Major deadwood in crown. Tree has partially collapsed and is resting on railings. Tree considered dangerous. | Pollard tree to make work area safe during the construction. | <10                              | U                | 6.12       |
| T14       | Acer pseudoplatanus (Sycamore) | 12     | 450,360       | 4             | 5 | 4 | 5 | 4               | 4(S)                   | M          | Good            | Ivy on stem. Major deadwood in crown.                                                                                                                                                 | No work required.                                            | 10+                              | C1               | 6.91       |
| T15       | Salix fragilis (Crack Willow)  | 12     | 550           | 6             | 2 | 4 | 4 | 4               | 4(N)                   | OM         | Poor            | Leaning North. Ivy on stem. Decay present at base. Dieback in crown. Major deadwood in crown. Tree has partially collapsed at base.                                                   | Pollard tree to make work area safe during the construction. | <10                              | U                | 6.6        |
| T16       | Fraxinus excelsior (Ash)       | 10     | 210           | 3             | 3 | 3 | 3 | 4.5             | 4(S)                   | EM         | Fair            | Minor deadwood in crown.                                                                                                                                                              | No work required.                                            | 10+                              | C1               | 2.52       |
| T17       | Acer pseudoplatanus (Sycamore) | 11     | 220           | 3             | 3 | 3 | 3 | 3               | 3(NW)                  | M          | Fair            | Minor deadwood in crown.                                                                                                                                                              | No work required.                                            | 10+                              | C1               | 2.64       |
| T18       | Acer pseudoplatanus (Sycamore) | 11     | 260           | 3             | 3 | 3 | 3 | 3               | 3(NW)                  | M          | Fair            | Minor deadwood in crown.                                                                                                                                                              | No work required.                                            | 10+                              | C1               | 3.12       |

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| Tree Ref. | Species                        | Height | Stem Diameter    | Branch Spread |   |   |   | Crown Clearance | FSB Height + Direction | Life Stage | Phys. Condition | Structural Condition                                                             | Recommendations                             | Estimated Remaining Contribution | Category Grading | RPA Radius |
|-----------|--------------------------------|--------|------------------|---------------|---|---|---|-----------------|------------------------|------------|-----------------|----------------------------------------------------------------------------------|---------------------------------------------|----------------------------------|------------------|------------|
|           |                                |        |                  | N             | S | E | W |                 |                        |            |                 |                                                                                  |                                             |                                  |                  |            |
| T19       | Acer pseudoplatanus (Sycamore) | 11     | 300              | 3             | 3 | 3 | 3 | 3               | 3(NW)                  | M          | Fair            | Minor deadwood in crown.                                                         | No work required.                           | 10+                              | C1               | 3.6        |
| T20       | Acer pseudoplatanus (Sycamore) | 11     | 260              | 3             | 3 | 3 | 3 | 3               | 3(NW)                  | M          | Fair            | Minor deadwood in crown.                                                         | No work required.                           | 10+                              | C1               | 3.12       |
| T21       | Acer pseudoplatanus (Sycamore) | 13     | 450,160, 360,160 | 5             | 5 | 5 | 5 | 3               | 3(S)                   | M          | Fair            | Weak fork. Minor deadwood in crown.                                              | No work required.                           | 10+                              | C1               | 7.43       |
| T22       | Acer pseudoplatanus (Sycamore) | 8      | 120,130, 130     | 5             | 2 | 4 | 3 | 2               | 1(S)                   | M          | Poor            | Leaning North-West. Ivy on stem. Dieback in crown. Minor deadwood in crown.      | No work required.                           | <10                              | U                | 2.64       |
| T23       | Acer pseudoplatanus (Sycamore) | 9      | 220              | 5             | 2 | 4 | 3 | 1               | 1(N)                   | M          | Fair            | Leaning North. Ivy on stem.                                                      | No work required.                           | 10+                              | C1               | 2.64       |
| T24       | Acer pseudoplatanus (Sycamore) | 10     | 280              | 5             | 2 | 3 | 5 | 2               | 1(S)                   | M          | Fair            | Leaning North-West. Ivy on stem.                                                 | No work required.                           | 10+                              | C1               | 3.36       |
| T25       | Fraxinus excelsior (Ash)       | 13     | 320              | 8             | 2 | 4 | 4 | 3               | 5(N)                   | M          | Fair            | Leaning North. Ivy on stem.                                                      | No work required.                           | 10+                              | C1               | 3.84       |
| T26       | Acer pseudoplatanus (Sycamore) | 14     | 480              | 6             | 4 | 5 | 5 | 5               | 6(NW)                  | M          | Fair            | Ivy on stem. Dieback in crown. Minor deadwood in crown. Major deadwood in crown. | Sever Ivy. Remove major deadwood over path. | 10+                              | C1               | 5.76       |
| T27       | Acer pseudoplatanus (Sycamore) | 14     | 340              | 4             | 4 | 4 | 4 | 6               | 5(E)                   | M          | Poor            | Declining. Ivy on stem. Dieback in crown. Major deadwood in crown.               | Retain for wildlife. Remove major deadwood. | <10                              | U                | 4.08       |

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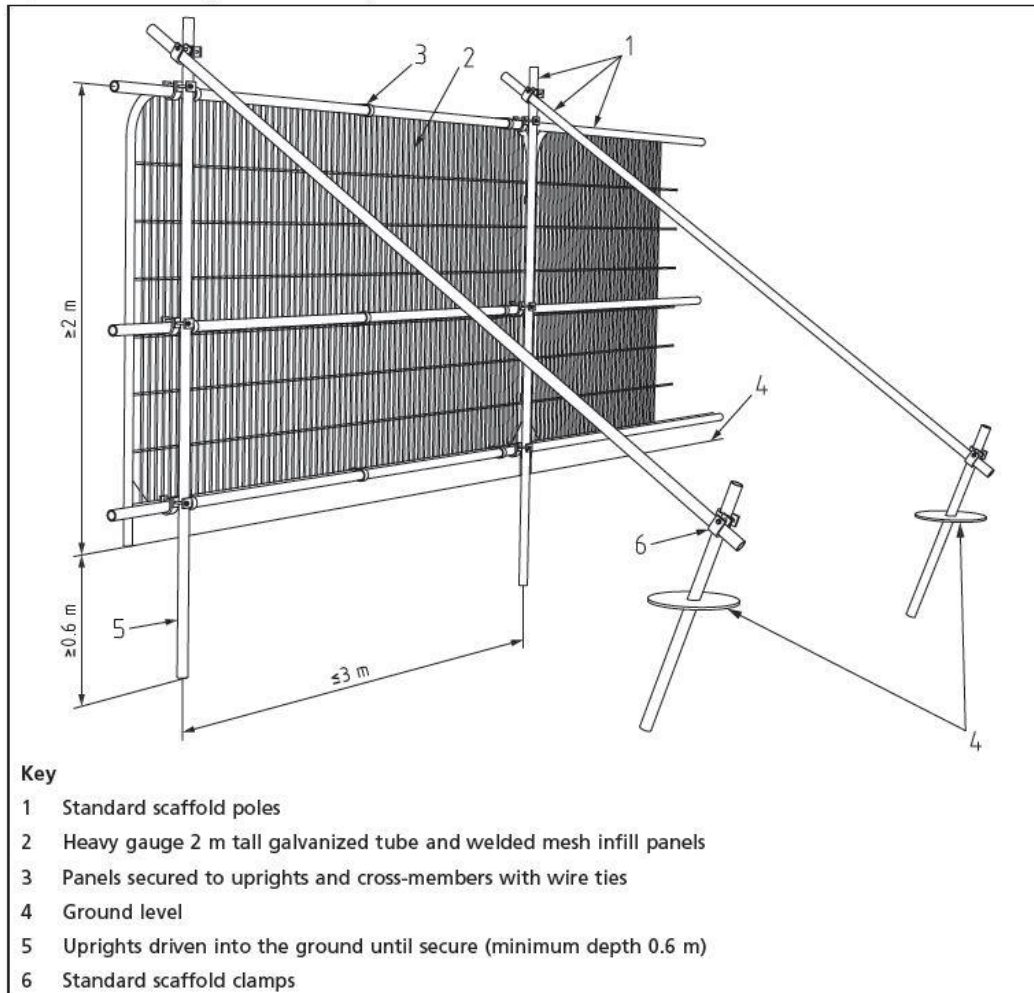
T: 01538 384019 E: info@treeheritage.co.uk

| Tree Ref. | Species                                                       | Height | Stem Diameter | Branch Spread |     |     |     | Crown Clearance | FSB Height + Direction | Life Stage | Phys. Condition | Structural Condition                                                          | Recommendations                                                                                      | Estimated Remaining Contribution | Category Grading | RPA Radius |
|-----------|---------------------------------------------------------------|--------|---------------|---------------|-----|-----|-----|-----------------|------------------------|------------|-----------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------|------------------|------------|
|           |                                                               |        |               | N             | S   | E   | W   |                 |                        |            |                 |                                                                               |                                                                                                      |                                  |                  |            |
| T28       | Acer pseudoplatanus (Sycamore)                                | 15     | 290,240       | 3             | 5   | 5   | 5   | 4               | 5(S)                   | M          | Fair            | Dieback in crown. Major deadwood in crown. Squirrel damage in crown.          | Remove major deadwood.                                                                               | 10+                              | C1               | 4.51       |
| T29       | Acer pseudoplatanus (Sycamore)                                | 9      | 230           | 2             | 2.5 | 2   | 2.5 | 6               | 7(SE)                  | EM         | Poor            | Broken branch/es in crown. Major deadwood in crown. Squirrel damage in crown. | Remove tree.                                                                                         | <10                              | U                | 2.76       |
| T30       | Acer pseudoplatanus (Sycamore)                                | 14     | 320           | 3.5           | 3.5 | 3.5 | 3.5 | 6               | 6(N)                   | M          | Fair            | Minor deadwood in crown.                                                      | No work required.                                                                                    | 10+                              | C1               | 3.84       |
| T31       | Acer pseudoplatanus (Sycamore)                                | 14     | 280           | 3.5           | 3.5 | 3.5 | 3.5 | 6               | 6(N)                   | M          | Fair            | Minor deadwood in crown.                                                      | No work required.                                                                                    | 10+                              | C1               | 3.36       |
| T32       | Acer pseudoplatanus (Sycamore)                                | 9      | 260           | 2.5           | 2.5 | 2.5 | 2.5 | 3               | 3(W)                   | M          | Fair            | Ivy on stem. Minor deadwood in crown.                                         | No work required.                                                                                    | 10+                              | C1               | 3.12       |
| T33       | Acer pseudoplatanus (Sycamore)                                | 14     | 260,320       | 3.5           | 3.5 | 3.5 | 3.5 | 3               | 3(W)                   | M          | Fair            | Ivy on stem. Minor deadwood in crown.                                         | No work required.                                                                                    | 10+                              | C1               | 4.94       |
| G1        | Salix fragilis (Crack Willow), Acer pseudoplatanus (Sycamore) | 12     | 250           | 4             | 4   | 4   | 4   | 3               | 3(N)                   | M          | Fair            | Ivy on stem. Minor deadwood in crown.                                         | One tree in group will need to be removed to allow access for the pontoon. Arb supervision required. | 10+                              | C1               | 3          |
| G2        | Acer pseudoplatanus (Sycamore)                                | 12     | 250           | 3             | 3   | 3   | 3   | 1.5             | 2(S)                   | M          | Fair            | Ivy on stem. Minor deadwood in crown.                                         | No work required.                                                                                    | 10+                              | C1               | 3          |

## Appendix B i

Figure 2 – Default specification for protective barrier

Figure 2 Default specification for protective barrier





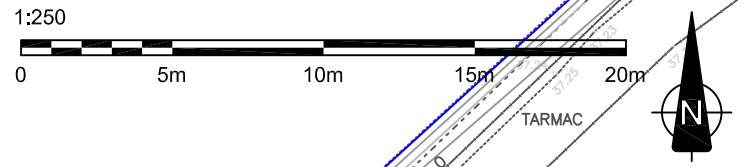
**PROTECTIVE FENCING. THIS  
FENCING MUST BE  
MAINTAINED IN ACCORDANCE  
WITH THE APPROVED PLANS  
AND DRAWINGS FOR THIS  
DEVELOPMENT.**



**TREE PROTECTION AREA  
KEEP OUT !**

**TREES ENCLOSED BY THIS FENCE ARE  
PROTECTED BY PLANNING CONDITIONS**

**ANY INCURSION INTO THE PROTECTED AREA MUST BE  
WITH THE WRITTEN PERMISSION OF THE LOCAL  
PLANNING AUTHORITY**



**Notes:**

1. Contractors are advised to check all dimensions against the tree schedule. Tree canopies are symbolic only and are representative of the average spread; this may not represent the true outline. Note that the tree stem may not sit centrally to canopy. Tree stems are symbolic only and are representative of the tree category; this does not represent the stem diameter - see schedule for details.

2. The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

| Rev | Date | Status/Amendments | By |
|-----|------|-------------------|----|
|-----|------|-------------------|----|

**Key:**

- Category A Tree / Group
- Category B Tree / Group
- Category C Tree / Group
- Category U Tree / Group
- Branch Spread
- Tree to be Removed
- Root Protection Area (RPA)
- First Significant Branch Direction
- Tree Protection Barrier
- Special Measures
- Tree Shadow

GROWING SINCE 1982

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Client:

Reading Community Hydro

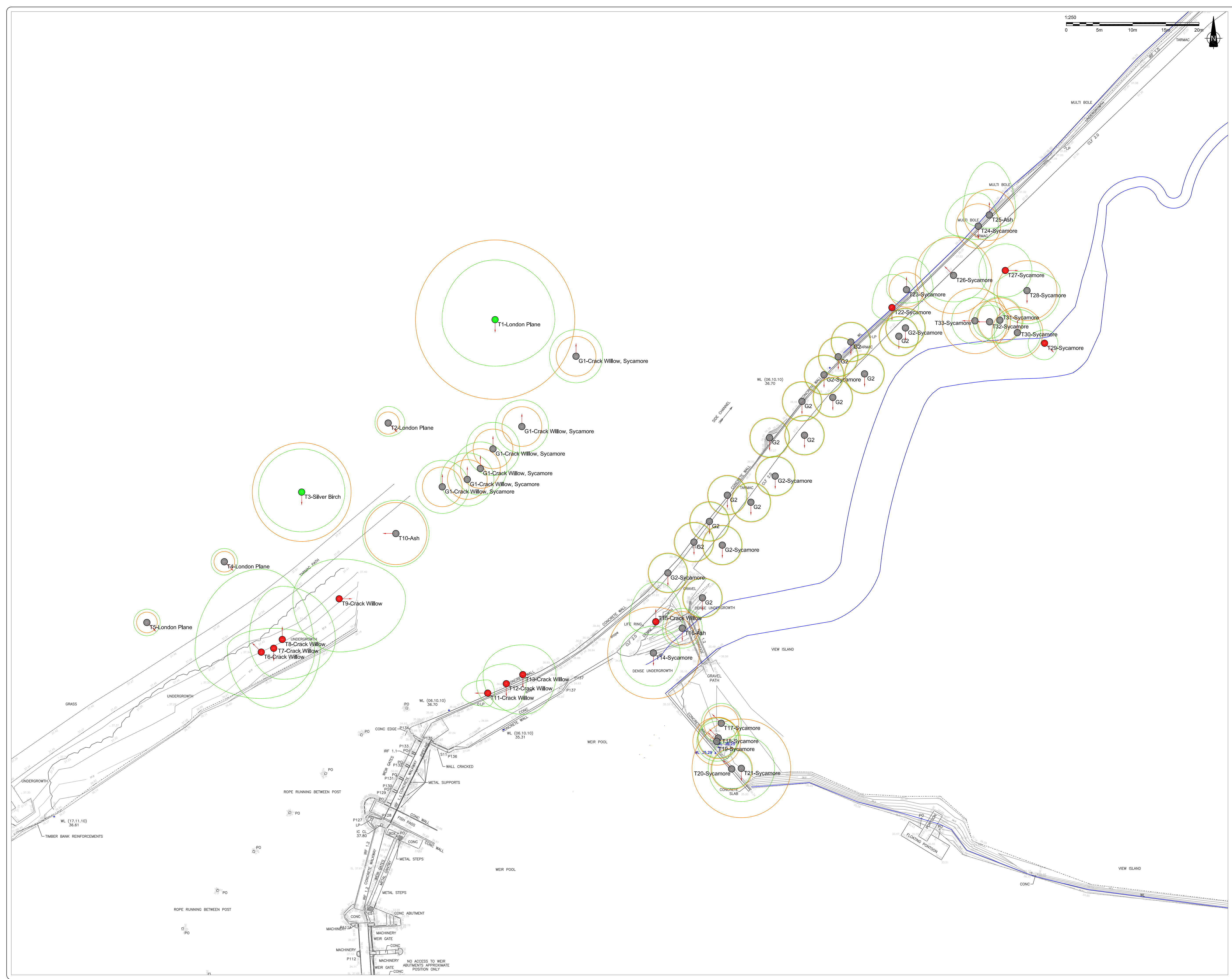
Project:

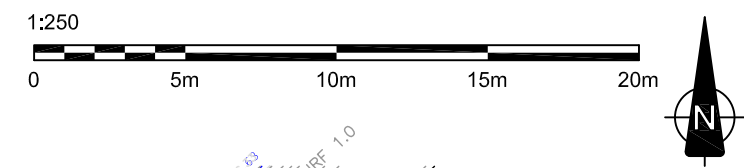
Caversham Weir, Reading

Drawing Title:

Tree Constraints Plan

|                 |          |               |            |
|-----------------|----------|---------------|------------|
| Scale:          | 1:250    | Paper Size:   | A1         |
| Drawing Number: | THL-0862 | Date Created: | 23/04/2020 |





**Notes:**

1. Contractors are advised to check all dimensions against the tree schedule. Tree canopies are symbolic only and are representative of the average spread; this may not represent the true outline. Note that the tree stem may not sit centrally to canopy. Tree stems are symbolic only and are representative of the tree category; this does not represent the stem diameter - see schedule for details.

2. The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

T2 to be relocated  
out of work area

- TEMPORARY BUILDING COMPOUND
- TEMPORARY FOOTPATH DIVERSION
- TEMPORARY FOOTPATH BRIDGE
- TEMPORARY WORKS ACCESS PONTOON
- TEMPORARY COFFERDAM
- WATER OUTLINE
- SITE BOUNDARY
- EXISTING FOOTPATH OUTLINE
- PROPOSED WORKS OUTLINE

- Key:**
- Category A Tree / Group
  - Category B Tree / Group
  - Category C Tree / Group
  - Category U Tree / Group
  - Branch Spread
  - Tree to be Removed
  - Root Protection Area (RPA)
  - First Significant Branch Direction
  - Tree Protection Barrier
  - Special Measures
  - Tree Shadow

GROWING SINCE 1862

**TREE HERITAGE**

Tree Heritage Ltd, Unit 1 Sneyd Mill, Sneyd Street,  
Leek, Staffordshire, ST13 5HP

Telephone: 01538 384019

[treeheritage.co.uk](http://treeheritage.co.uk) • [info@treeheritage.co.uk](mailto:info@treeheritage.co.uk)

Client:

Reading Community Hydro

Project:

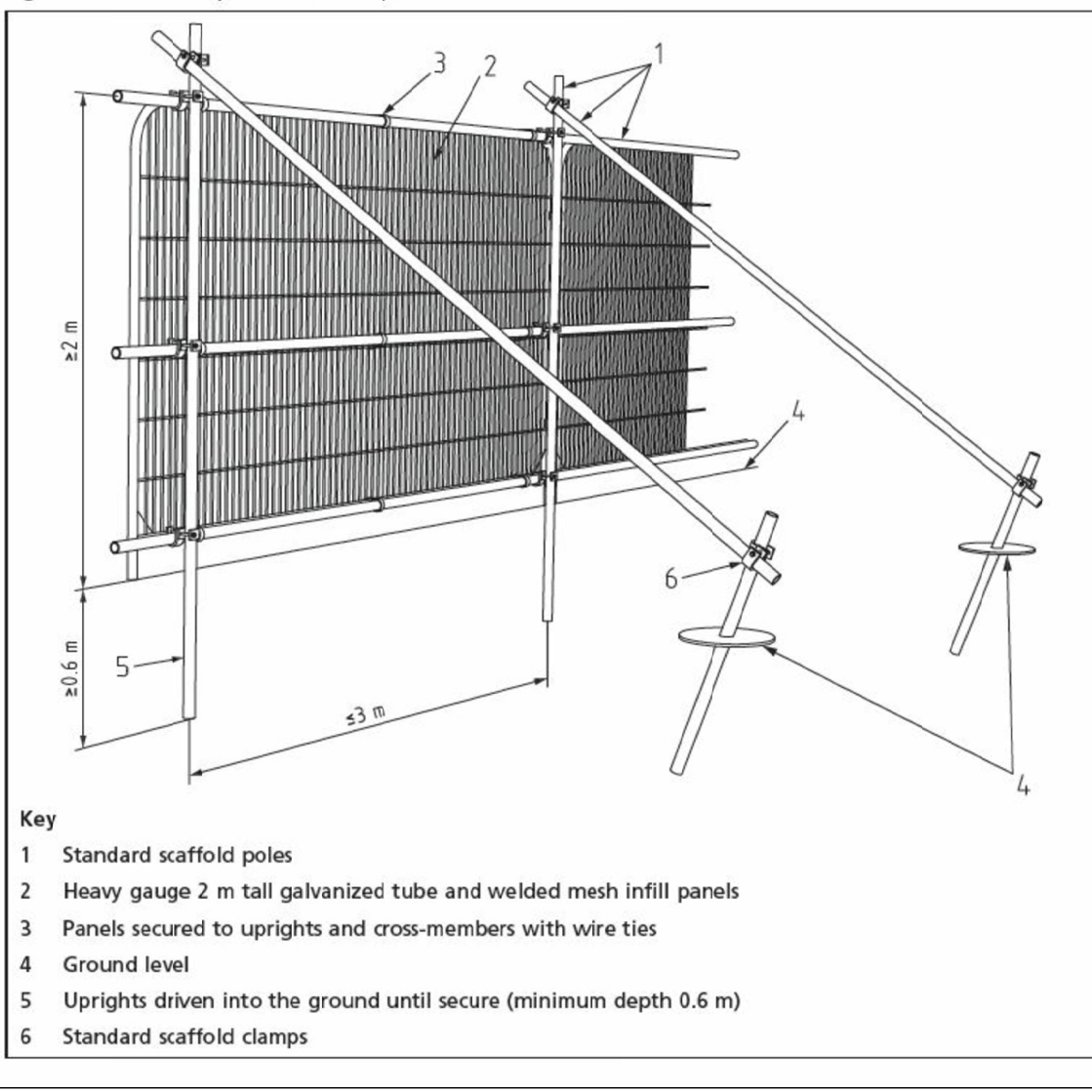
Caversham Weir, Reading

Drawing Title:

Arboricultural Impact Assessment

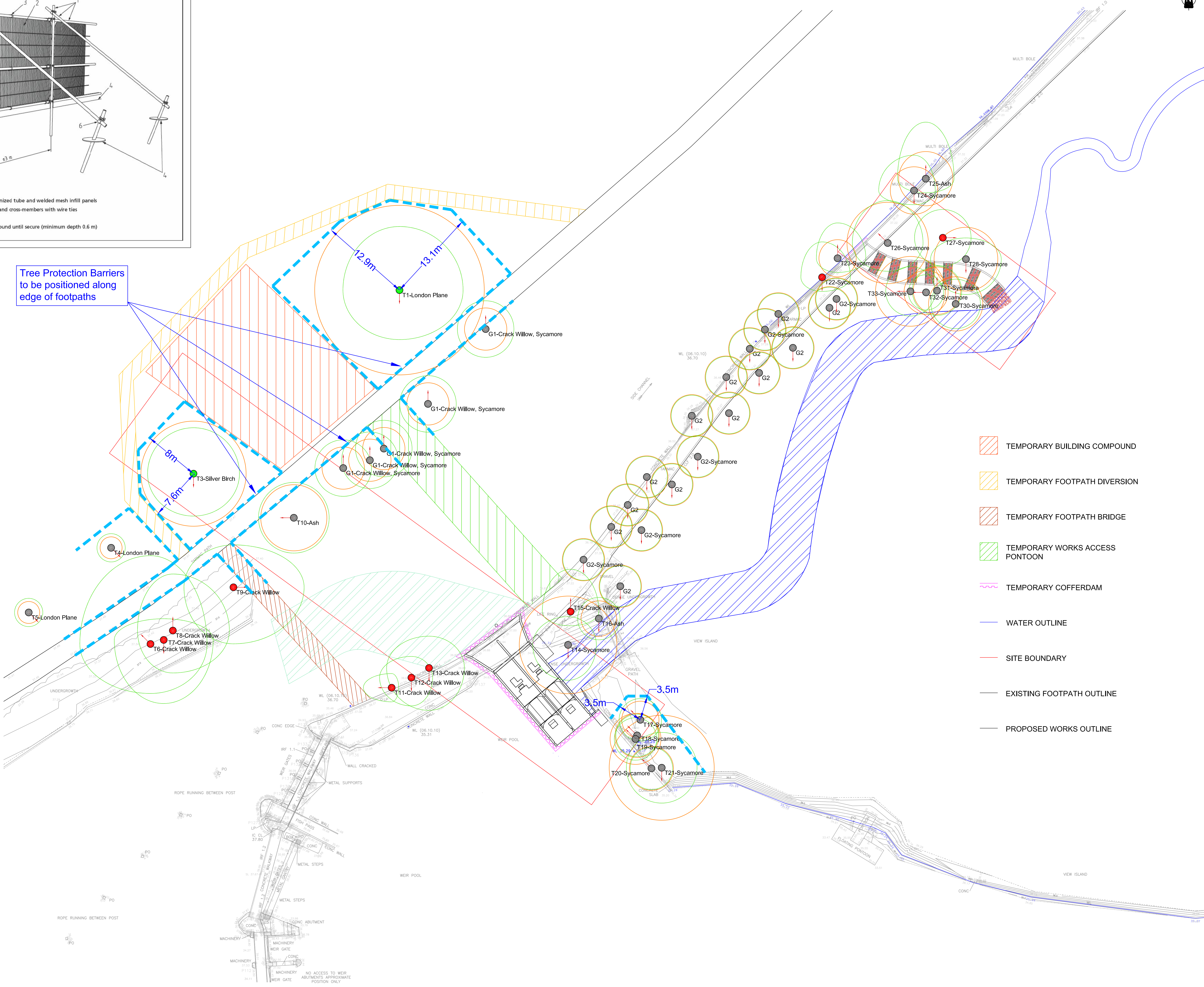
|                 |            |               |            |
|-----------------|------------|---------------|------------|
| Scale:          | 1:250      | Paper Size:   | A1         |
| Drawing Number: | THL-0862-5 | Date Created: | 29/04/2020 |

Figure 2 Default specification for protective barrier



| Tree Ref. | RPA Radius (Metres) |
|-----------|---------------------|
| T1        | 12                  |
| T3        | 7.44                |
| T4        | 1.56                |
| T5        | 1.56                |
| T6        | 10                  |
| T7        | 7.68                |
| T8        | 7.8                 |
| T9        | 7.92                |
| T10       | 4.68                |
| T11       | 2.28                |
| T12       | 3.19                |
| T13       | 6.12                |
| T14       | 6.91                |
| T15       | 6.6                 |
| T16       | 2.52                |
| T17       | 2.64                |
| T18       | 3.12                |
| T19       | 3.6                 |
| T20       | 3.12                |
| T21       | 7.43                |
| T22       | 2.64                |
| T23       | 2.64                |
| T24       | 3.36                |
| T25       | 3.84                |
| T26       | 5.76                |
| T27       | 4.08                |
| T28       | 4.51                |
| T30       | 3.84                |
| T31       | 3.36                |
| T32       | 3.12                |
| T33       | 4.94                |
| G1        | 3                   |
| G2        | 3                   |

Tree Protection Barriers to be positioned along edge of footpaths



- TEMPORARY BUILDING COMPOUND
- TEMPORARY FOOTPATH DIVERSION
- TEMPORARY FOOTPATH BRIDGE
- TEMPORARY WORKS ACCESS PONTOON
- TEMPORARY COFFERDAM
- WATER OUTLINE
- SITE BOUNDARY
- EXISTING FOOTPATH OUTLINE
- PROPOSED WORKS OUTLINE

Notes:

- Contractors are advised to check all dimensions against the tree schedule. Tree canopies are symbolic only and are representative of the average spread; this may not represent the true outline. Note that the tree stem may not be centrally to canopy. Tree stems are symbolic only and are representative of the tree category; this does not represent the stem diameter - see schedule for details.
- The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

| Rev. | Date | Status/Amendments | By |
|------|------|-------------------|----|
|      |      |                   |    |

Key:

- Category A Tree / Group
- Category B Tree / Group
- Category C Tree / Group
- Category U Tree / Group
- Branch Spread
- Tree to be Removed
- Root Protection Area (RPA)
- First Significant Branch Direction
- Tree Protection Barrier
- Special Measures
- Tree Shadow

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|                 |                         |
|-----------------|-------------------------|
| Client:         | Reading Community Hydro |
| Project:        | Caversham Weir, Reading |
| Drawing Title:  | Tree Protection Plan    |
| Scale:          | 1:250                   |
| Paper Size:     | A1                      |
| Drawing Number: | THL-0862-6              |
| Date Created:   | 29/04/2020              |



## Appendix D – Site Photographs

### Photos of T8 and T9



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# TREE HERITAGE

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## Photos of T11

