



**A6 Highway Realignment
Wingates, Bolton
ARBORICULTURAL METHOD STATEMENT
March 2024**

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Document Control

Document Title	Arboricultural Method Statement
Prepared for	Harworth
Prepared by	The Environment Partnership (TEP) Ltd
Document Ref.	D9665.03.100
Date	March 2024
Author	Angus Blankenstein
Checked	Robin Grimes
Approved	Robin Grimes

Amendment History					
Version	Date	Modified by	Approved by	Reason(s) for issue	Status
0.1	13/03/2024	AAB	RMG	Checking	Draft
1.0	13/03/2024	AAB	RMG	Approval	Issue

Schedule of Document Amendments	
Version	Description of Amendments

Arboricultural Method Statement

Scope

- 1.1. TEP has been commissioned by Harworth to produce an Arboricultural Method Statement (AMS) for the A6 realignment project at Wingates in accordance with BS5837:2012 Trees in relation to design, demolition and construction - Recommendations.
- 1.2. This document has been produced to discharge Condition 8 of Decision Notice DN16770_23 (access) and Condition 23 of Decision Notice DN 16776_23 (s73 slot-out).

Limitations

- 1.3. A topographical survey was available for the production of this document but where trees are not shown their locations have been estimated based on aerial photography and on-site observations.

A6 Realignment - Wingates, Bolton

Arboricultural Method Statement

Overview and Operation Sign-Off

This document comprises 3 separate Method Statements together with supporting plans. The detail and requirements of this Method Statement must inform the production of all relevant tender documents and instructions to contractors.

Failure to adhere to the correct sequence, manner and timing of operations detailed below may result in irremediable damage to trees, and thereby breach of planning consent. All retained trees are protected and damage or removal could result in a stop notice or prosecution.

GENERAL TERMS

- A. This document should be reproduced in its entirety, in colour and at A3 size.
- B. The Site Manager will read and understand this Method Statement. It will be the responsibility of the Site Manager to ensure compliance with this Method Statement.
- C. A copy of this Method Statement will be made available for inspection on site and introduced to all relevant contractors.
- D. An Arboricultural Contractor will be appointed to undertake the removal of trees.
- E. An Arboricultural Consultant will be appointed to supervise activities as specified by this document. They must be provided with contact details for the site manager and notified of the date of commencement of works.
- F. All areas that are protected by Tree Protection Fencing or ground protection will be collectively defined as a **Construction Exclusion Zone (CEZ)**. Access, works or storage within the CEZ will be prohibited unless specified by this AMS.
- G. If unexpected large roots (>25mm diameter) are encountered or if additional pruning is required the arboricultural consultant will be contacted.
- H. The Site Manager will be responsible for contacting the Arboricultural Consultant as required by this AMS or any requirement to enter a protected area arises.
- I. Each of the elements within this Method Statement will be signed-off by the arboricultural consultant in the Operations Sign-off inset on this sheet. A copy will be retained by the Site Manager and the Arboricultural Consultant.
- J. It will also be the responsibility of the appointed Arboricultural Consultant to undertake inspections not less than every two months to ensure compliance with the approved protection scheme. Any deviation from the approved scheme will be recorded opposite and reported to the Site Manager and Local Planning Authority Tree Officer.

OVERVIEW OF OPERATIONS

1. APPOINTMENT OF ARBORICULTURAL CONSULTANT
2. APPOINTMENT OF ARBORICULTURAL CONTRACTOR
3. TREE AND HEDGEROW WORKS
4. SIGN OFF BY ARBORICULTURAL CONSULTANT
5. SETTING OUT OF TREE AND HEDGE FENCING
6. INSTALLATION OF TREE AND HEDGE PROTECTION FENCING
7. SIGN OFF BY ARBORICULTURAL CONSULTANT
8. SUPERVISED ROOT PRUNING
9. SIGN OFF BY ARBORICULTURAL CONSULTANT
10. INSTALLATION OF ABOVE GROUND FOOTPATH
11. SIGN OFF BY ARBORICULTURAL CONSULTANT
12. REMOVAL OF ALL PLANT, VEHICLES AND MATERIALS FROM SITE
13. REMOVAL OF ALL TREE PROTECTION MEASURES

Inset 1: Existing Site with Tree Retention and Removal



Inset 2: Proposed Site with Tree Retention and Construction Works



KEY

[This drawing must be reproduced in colour]

- Site Boundary
 - Trees and groups to be retained
 - Hedgerow to be retained
 - Trees to be removed
 - Hedgerow to be removed
- Tree and hedgerow works**
- Trees to be removed
 - Hedgerow to be removed



Arboricultural Consultant:

Telephone: | Email:

<i>Tree and Hedgerow Works</i>	Date:	Initials:
<i>Tree and Hedgerow Protection</i>	Date:	Initials:
<i>Root Pruning</i>	Date:	Initials:
<i>Above Ground Construction</i>	Date:	Initials:

The above Method Statement elements have been discharged in full to the best of my knowledge and professional assessment. Where there has been any deviation from the specification, I am satisfied that this has not been injurious to retained trees and that all such deviations have complied with the spirit of the instruction insofar as was reasonably practicable or were approved in advance by the proper authority.

Signed:

Notes:

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Rev	Description	Drawn	Approved	Date

THE ENVIRONMENT PARTNERSHIP

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Project
A6 Highway Realignment - Wingates, Bolton
Arboricultural Method Statement

Title
Overview and Operation Sign-off

Drawing Number
D9665.03.100

Drawn	Checked	Approved	Scale	Date
AAB	RMG	RMG	1:4,000 @ A3	13/03/2024



KEY

[This drawing must be reproduced in colour]

- Site Boundary
- ○ Trees and groups to be retained
- Hedgerow to be retained
- Tree and hedgerow works**
- ○ Trees to be removed
- Hedgerow to be removed

A6 Realignment - Wingates, Bolton Arboricultural Method Statement

Tree and Hedgerow Works Overview

Tree works must be completed before commencement of the construction phase, including the creation of compounds, access by vehicles or plant, delivery of materials, ground investigations or works, or any other construction works.

All tree removal and pruning works will be undertaken according to British Standard 3998:2010 by a suitably qualified, experienced and insured arboricultural contractor.

The detail and requirements of this Method Statement must inform the production of all relevant tender documents and instructions to contractors.

This AMS must be read in conjunction with the following drawings:

- **D9665.03.100 AMS Overview and Operation Sign-off**

NESTING BIRD CHECK

1. If tree works are scheduled in period March to August inclusive, trees identified for removal and pruning will be checked by a suitably qualified ecologist for nesting birds 24hrs prior to any works.
2. Should any nesting birds be found or suspected during the course of the works, the advice for an ecologist will be required.

TREE AND HEDGEROW WORKS

3. Trees and hedges indicated by a **red outline and solid hatch** or a **thick pink line** above will be removed.
4. Trees to be removed may be marked by the Arboricultural Consultant to assist with identification if necessary.
5. Arisings will not be stored beneath the canopy of retained trees.
6. Plant and vehicles used for the tree works and storage of fuels and oils will not be permitted beneath the canopy of any retained tree or within its RPA.
7. Stumps within 5m of retained trees will be ground out or chemically treated and left in-situ (i.e. not excavated or pulled).

8. Where doubt exists over the appropriate treatment of trees, the appointed arboricultural consultant will be contacted prior to acting on assumption.
9. The completion of tree works according to this Method Statement will be verified by the appointed Arboricultural Consultant and signed-off.



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**A6 Highway Realignment - Wingates, Bolton
Arboricultural Method Statement**

Title

Tree and Hedgerow Works

Drawing Number

D9665.03.101

Drawn	Checked	Approved	Scale	Date
AAB	RMG	RMG	1:1,250 @ A3	13/03/2024



KEY

[This drawing must be reproduced in colour]

- Retained Trees and Groups
- Retained Hedgerow
- Root Protection Area (RPA)

Tree and Hedgerow Protection Measures

- Tree Protection Heras Fencing

NOTE: All tree and hedgerow protection measures must be installed prior to commencement of any works.

A6 Realignment - Wingates, Bolton Arboricultural Method Statement

Tree and Hedgerow Protection

The installation of physical tree protection measures must be completed before commencement of the construction phase, including the creation of compounds, access by vehicles or plant, delivery of materials, ground investigations or works, or any other construction works. All tree protection must be retained throughout construction and not modified in any way or removed except in strict compliance with this method statement.

The detail and requirements of this Method Statement must inform the production of all relevant tender documents and instructions to contractors.

This AMS must be read in conjunction with the following drawings:

- D9665.03.100 AMS Overview and Operation Sign-off
- TEP.ARB.FEN.001 Temporary Tree Protection Fencing - Soft Surfaces

TREE PROTECTION FENCING

1. Following the completion and sign-off of tree works, the Site Manager will arrange protection fencing to be installed.
2. The alignment of fencing will be set out by a topographical surveyor using wooden pegs as shown above. This **must be done accurately**. Where fencing obstructs proposed works it will be realigned before construction activities take place with the Root protection Area.
3. Northings and Eastings can be provided by TEP for setting out.
4. A contractor will be engaged to install the tree protection.
5. Fencing will be installed according to the specification shown opposite. A large pdf of the sign to be laminated and affixed to alternate panels is appended to this document.
6. Tree protection will remain in situ for the duration of the construction or until its removal or realignment is dictated by the Method Statement.
7. The correct installation and maintenance of tree protection measures according to this Method Statement will be verified by the appointed arboricultural consultant and signed-off.
8. The fencing will be subject to ad hoc inspection by the appointed arboricultural consultant not less than every two months. It will be the responsibility of the arboricultural consultant to report their findings to the site manager and local planning authority.



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A6 Realignment - Wingates, Bolton
Arboricultural Method Statement

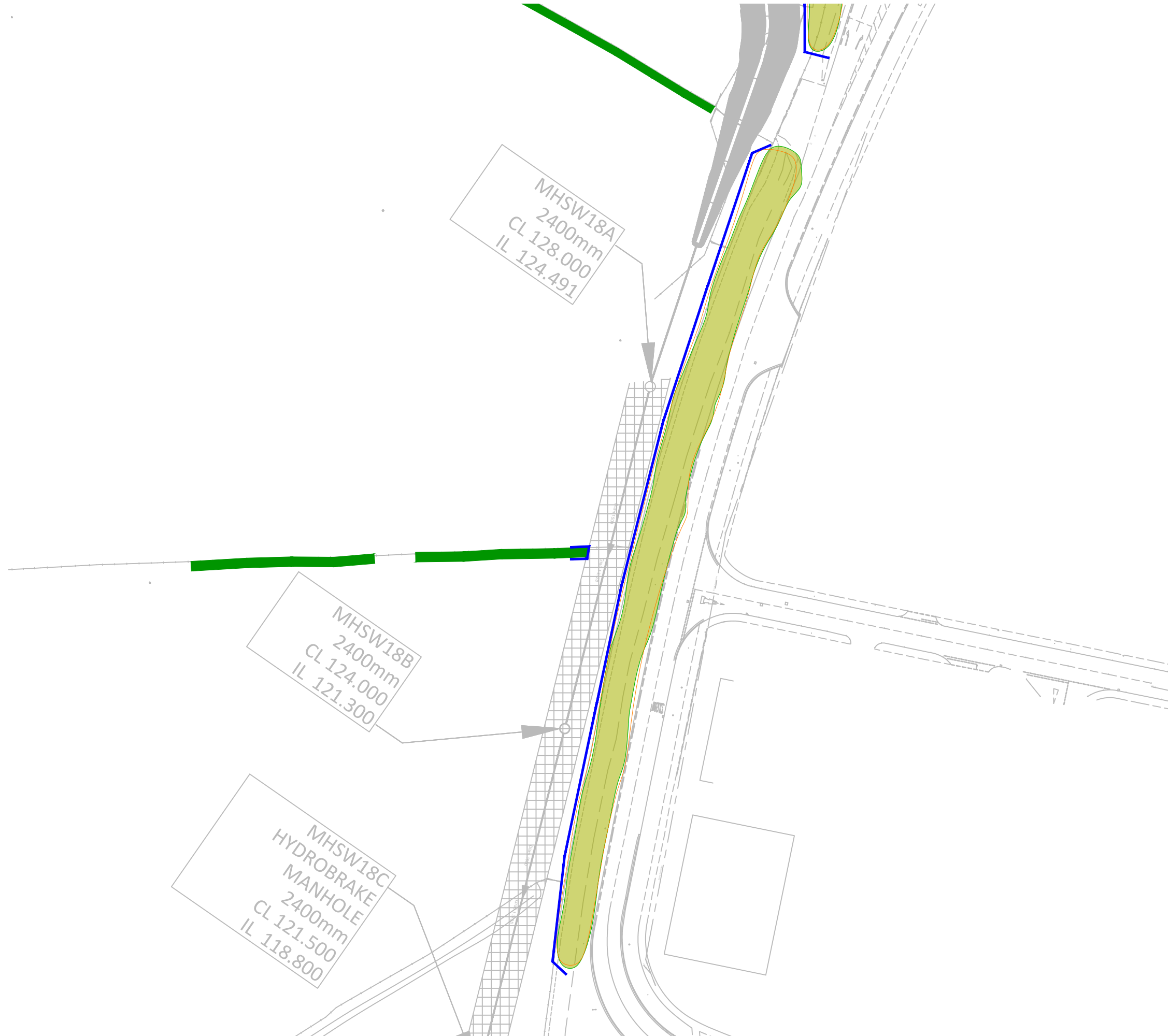
Title

Tree and Hedgerow Protection

Drawing Number




D9665.03.102

Drawn	Checked	Approved	Scale	Date
AAB	RMG	RMG	1:1,000 @ A3	12/03/2024



KEY

[This drawing must be reproduced in colour]

-  Retained Trees and Groups
-  Retained Hedgerow
-  Root Protection Area (RPA)

Tree and Hedgerow Protection Measures

-  Tree Protection Heras Fencing

NOTE: All tree and hedgerow protection measures must be installed prior to commencement of any works.



Rev	Description	Drawn	Approved	Date



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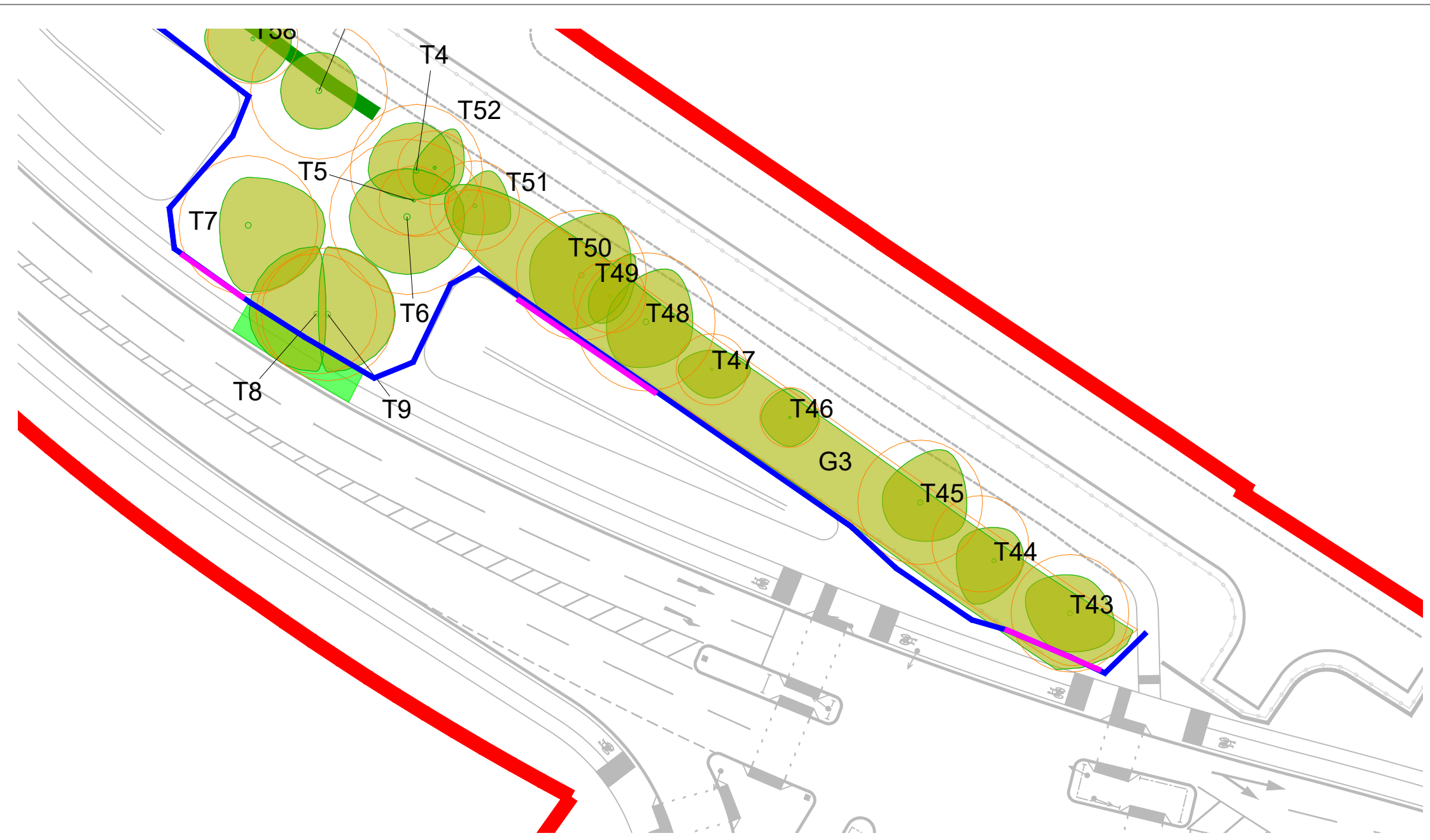
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Project
A6 Realignment - Wingates, Bolton
 Arbicultural Method Statement

Title
Tree and Hedgerow Protection

Drawing Number
D9665.03.103

Drawn	Checked	Approved	Scale	Date
AAB	RMG	RMG	1:1,000 @ A3	12/03/2024



KEY
[This drawing must be reproduced in colour]

- Retained Trees and Groups
- Retained Hedgerow

Tree and Hedgerow Protection Measures

- Tree Protection Heras Fencing
- Alignment of Root Pruning

A6 Realignment - Wingates, Bolton Arboricultural Method Statement

Root Pruning

Several construction elements including earthworks and footways will encroach within the Root Protection Areas (RPAs) of retained trees. An arboricultural watching brief is therefore required in these areas due to increased likelihood of tree roots and therefore sensitivity. The watching brief must be performed by an Arboricultural Consultant.

The detail and requirements of this Method Statement must inform the production of all relevant tender documents and instructions to contractors.

This AMS must be read in conjunction with the following drawings:

- D9665.03.100 AMS Overview and Operation Sign-off
- D9665.03.102 and 103 Tree and Hedgerow Protection
- TEP.ARB.EXC.001 Excavation - Watching Brief Root Pruning Specification

ROOT PRUNING

1. As soon as practicable, ideally at the same time as the tree protection fencing installation, the Site Manager will arrange with the Arboricultural Consultant a date to undertake the watching briefs for root pruning.
2. Root pruning will be undertaken in locations shown on the plans above with a **thick magenta line**.
3. **Fencing will be realigned in accordance with the above drawings as required to allow access.**
4. An indicative specification for root pruning (ref: **TEP.ARB.EXC.001**) is provided at **Appendix B**.
5. Root pruning may not take place during or immediately following heavy rain.
6. A trench will be dug using hand tools or compressed air and soil vacuum to a depth of 600mm or until, in the opinion of the Arboricultural Consultant, no roots are anticipated. The use of an excavator is prohibited unless at the direction of the Arboricultural Consultant.
7. The Arboricultural Consultant will monitor the level and likelihood of potential root loss and make a on-site management recommendations according to the following findings:
 - No roots - Continue without constraint
 - Minor roots (1-10mm diameter) - Continue to monitor
 - Moderate roots (11-24mm diameter) - Prune roots neatly
 - Major roots (25mm diameter and above) - On-site recommendations by Arboricultural Consultant
8. Where major roots are found, it may be necessary to agree additional design and/or tree management measures with the LPA before works proceed.
9. Where roots minor to moderate roots are encountered, they will be severed neatly at the trench face using a sharp spade, bypass secateurs or a pruning saw as appropriate.
10. A photographic record of the number, location and diameter size of roots will be maintained by the Arboricultural Consultant for inspection by the Local Planning Authority.
11. The completion of root pruning according to this Method Statement will be verified by the appointed arboricultural consultant and signed-off.



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A6 Realignment - Wingates, Bolton
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Title
Root Pruning

Drawing Number
D9665.03.104

Drawn	Checked	Approved	Scale	Date
AAB	RMG	RMG	1:1,000 @ A3	13/03/2024

A6 Realignment - Wingates, Bolton

Arboricultural Method Statement

Above Ground Construction

Where the pedestrian footway is to be constructed within the Root Protection Area (RPA) of retained offsite trees a system of above ground construction will be used.

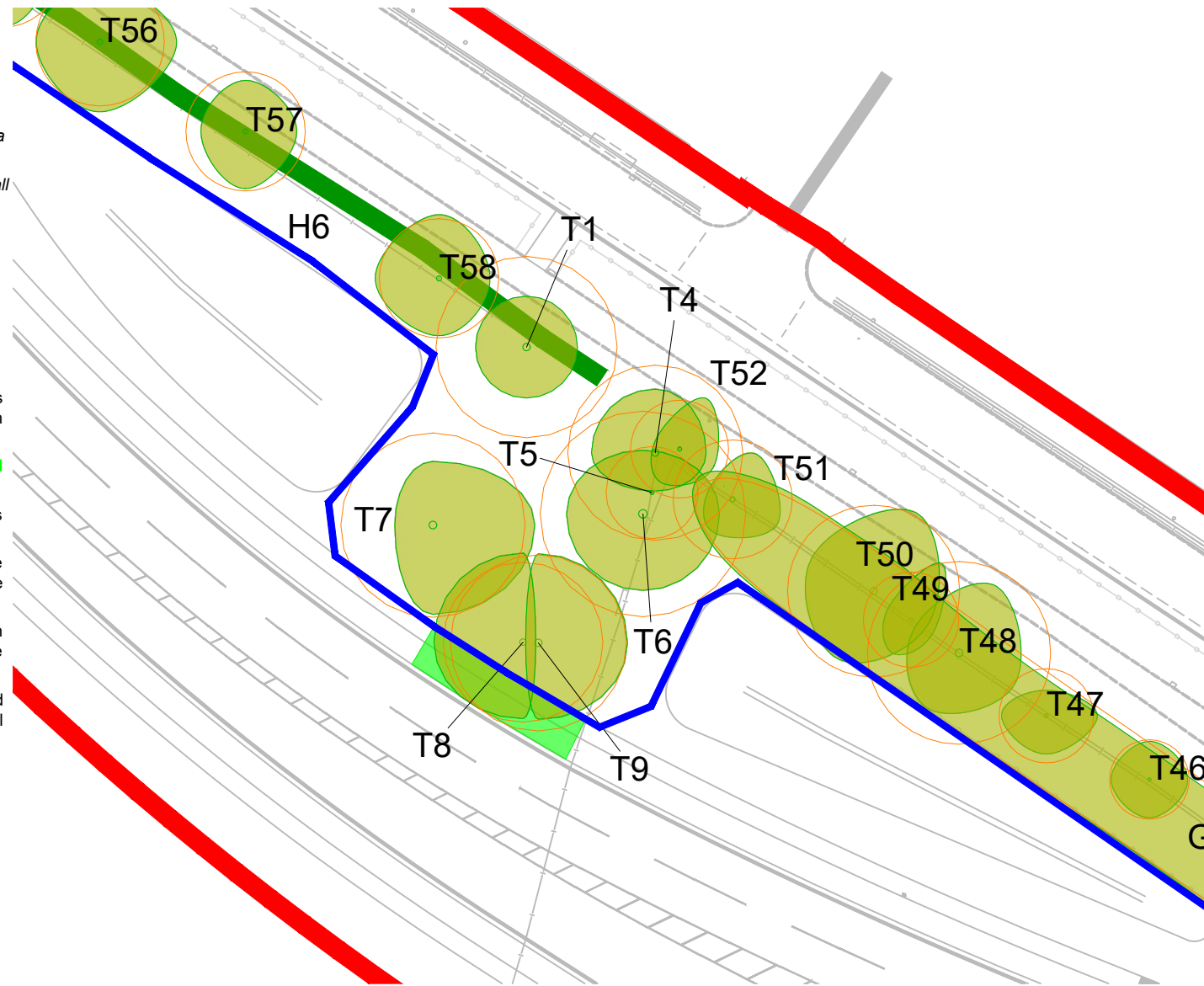
The detail and requirements of this Method Statement must inform the production of all relevant tender documents and instructions to contractors.

This AMS must be read in conjunction with the following drawings:

- D9665.03.100 AMS Overview and Operation Sign-off
- D9665.03.101 Tree and Hedgerow Protection

NO DIG CONSTRUCTION

1. The installation of above ground 'no-dig' construction footpaths will take place as required by the construction programme. This AMS sets out the parameters which must be followed to ensure the continued health of retained trees.
2. The minimum area subject to above ground construction is shown with a **solid green hatch** on the plan opposite.
3. The footway will be constructed using a micro-piled root bridge system such as GreenGrid Systems RootBridge to enable an adoptable standard to be achieved.
4. The system should be installed to the manufacturer's specification. The precise extents of above ground construction may increase dependent on the final surface design.
5. Tree Protection Fencing will be realigned as shown opposite during the installation process to allow access. Areas which were previously fenced are subject to the same controls as fenced areas until installation of the new surface is complete.
6. The completion of the above ground construction according to this Method Statement will be verified and signed off by the appointed Arboricultural Consultant.



KEY

[This drawing must be reproduced in colour]

T1/G1 Retained Trees and Groups

H1 Retained Hedgerow

Root Protection Area (RPA)

Tree and Hedgerow Protection Measures

Tree Protection Fencing

Above Ground 'no dig' Footpath Construction



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A6 Realignment - Wingates, Bolton
Arboricultural Method Statement

Title

Above Ground Construction

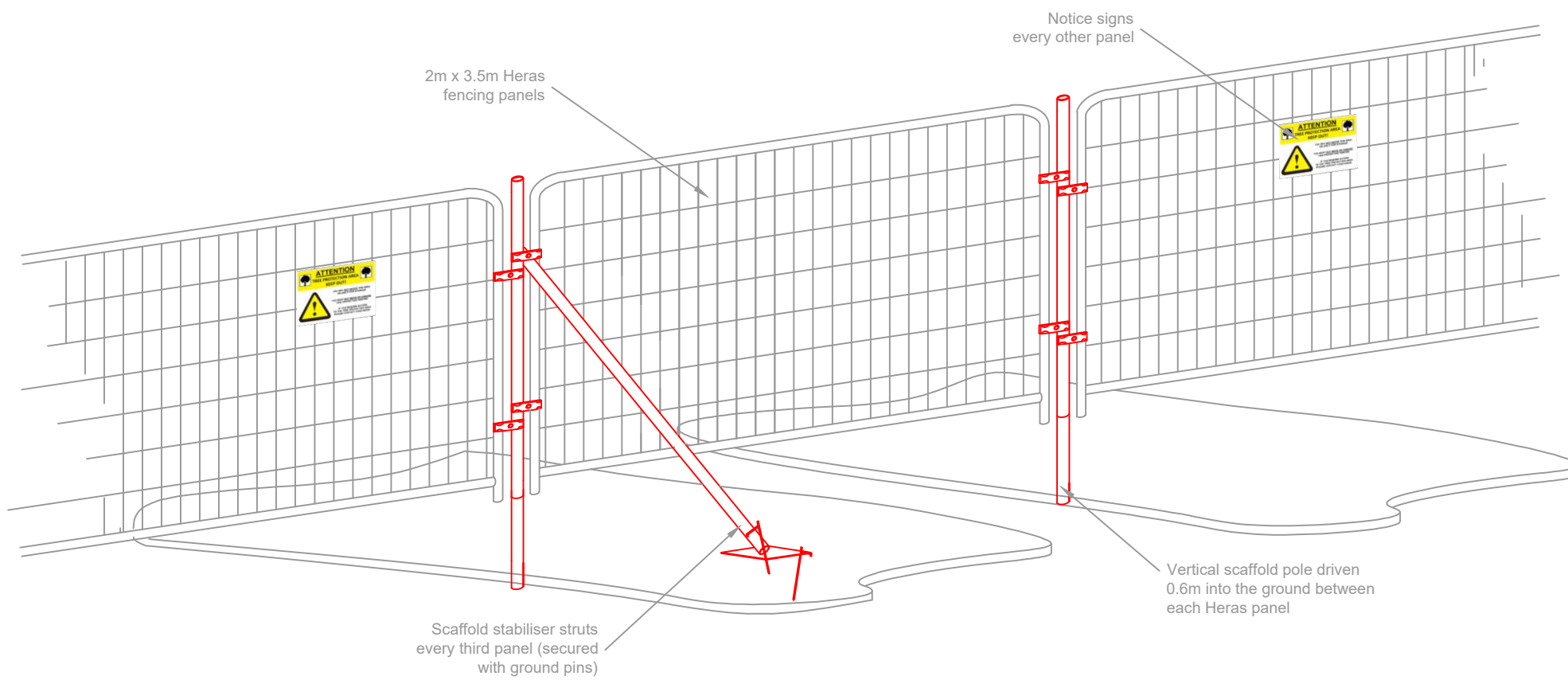
Drawing Number

D9665.03.104

Drawn	Checked	Approved	Scale	Date
AAB	RMG	RMG	1:500 @ A3	13/03/2024

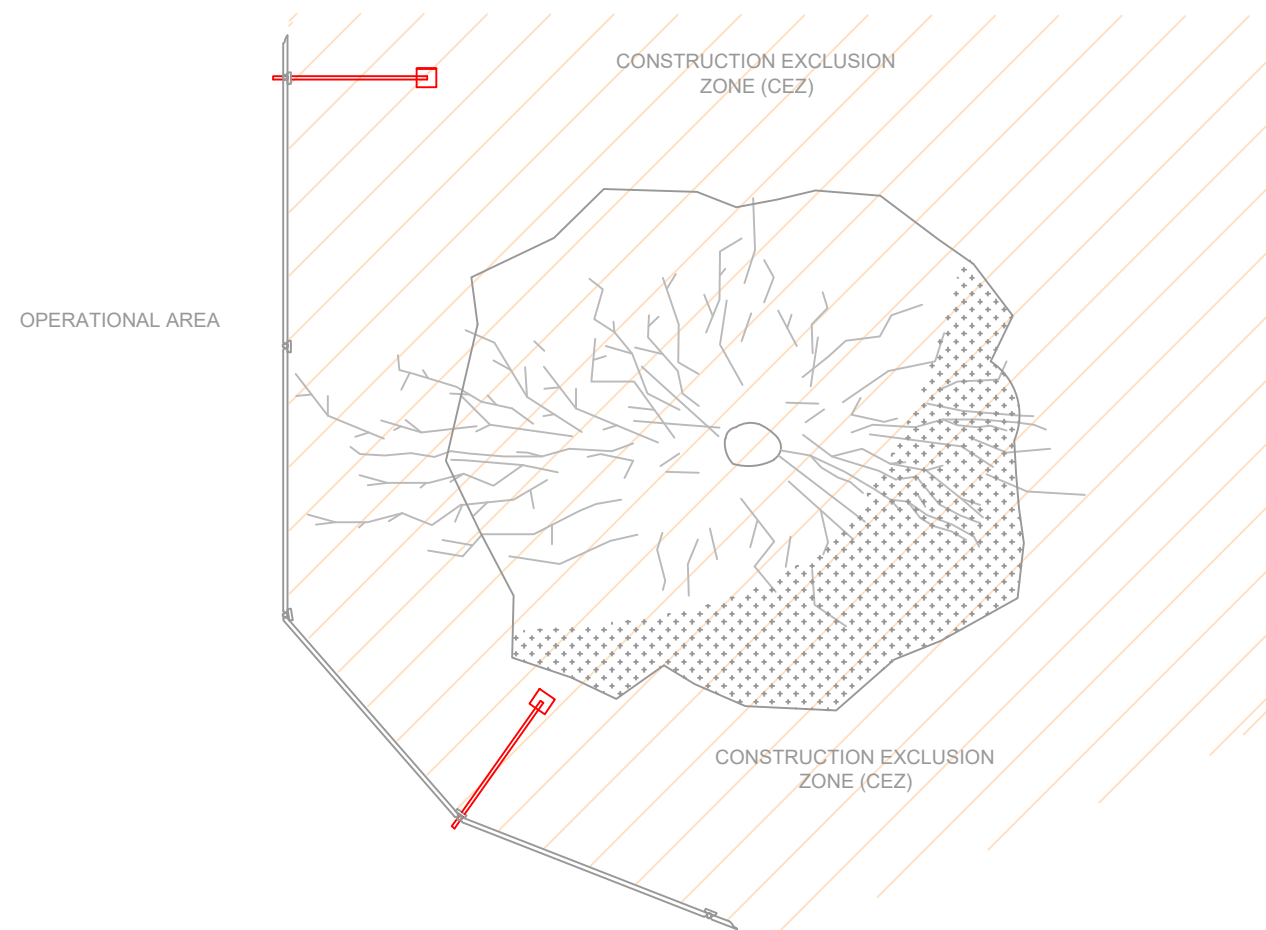


APPENDIX A: Specification Drawings



Per 3No. Heras panels (10.5m)	
Component	Quantity
2m x 3.5m Standard Heras panels	3
3m Galvanised steel scaffold pole	3
Heras security fence clip	12
Heras stabilising support bar	1
Stabilising pin	2
Tree protection notice	2

Notes:



Rev	Description	Drawn	Approved	Date

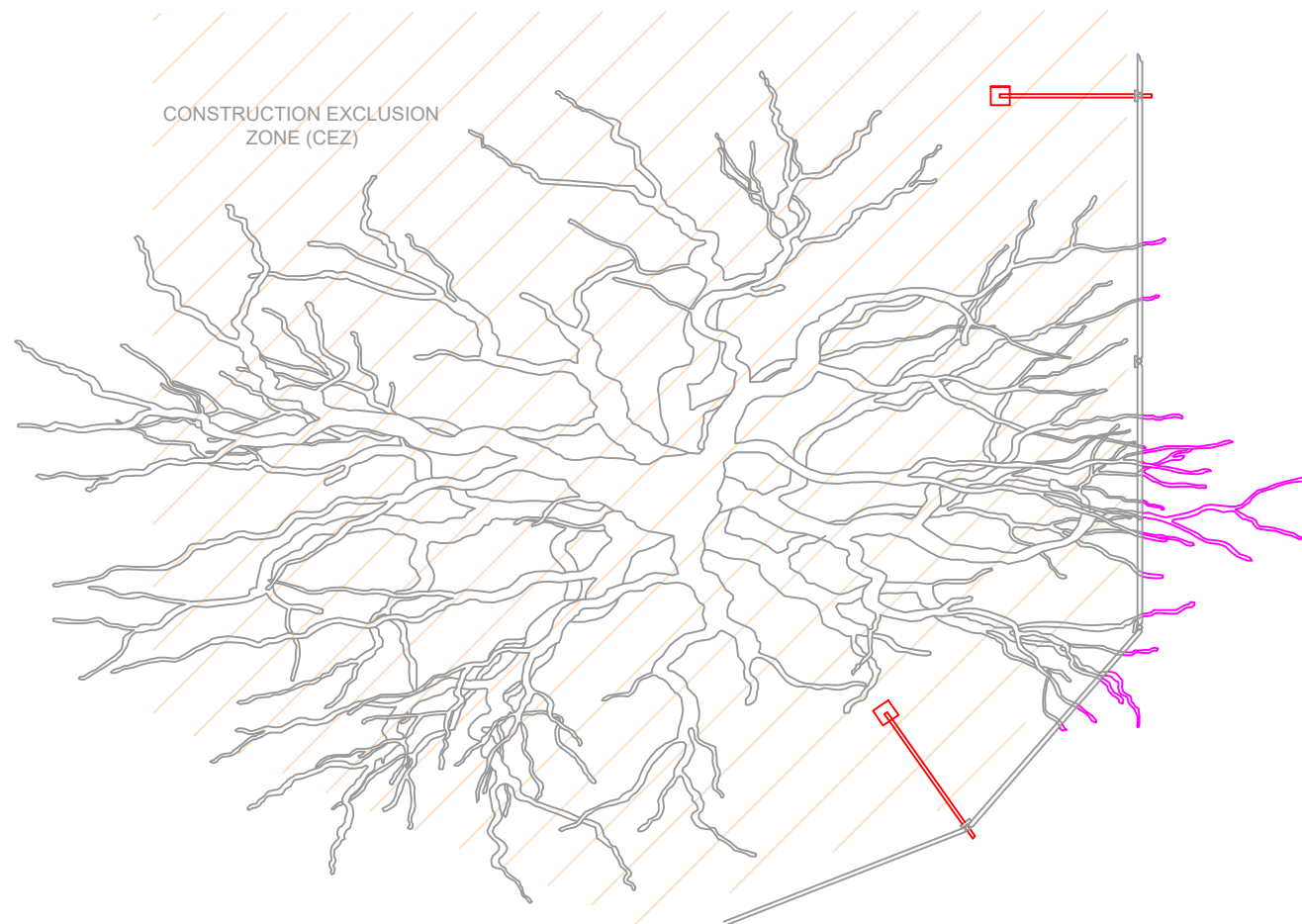
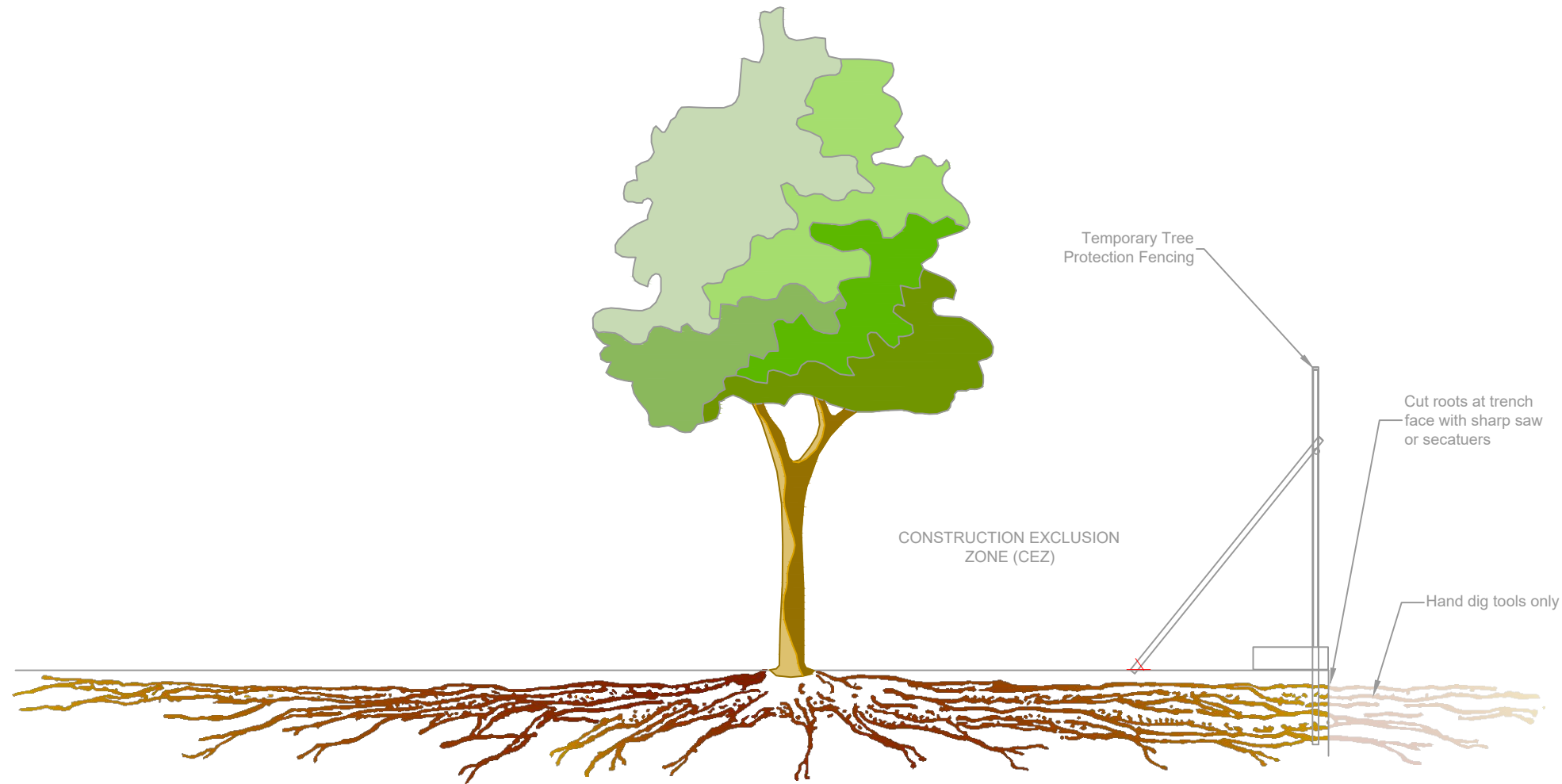
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Project

Title
Temporary tree protection fencing for use on soft surfaces

Drawing Number
TEP.ARB.FEN.001

Drawn	Checked	Approved	Scale	Date
TDP	RMG	JGS	(not to scale) @ A3	08/07/2019



Rev	Description	Drawn	Approved	Date



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Title
Excavation - Watching Brief Root Pruning

Drawing Number
TEP.ARB.EXC.001

Drawn	Checked	Approved	Scale	Date
RMG	TDP	JGS	Not to scale @ A3	25/07/2019

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