



Minet Infant and Junior School

Hayes

ARBORICULTURAL METHOD STATEMENT

8568.02.001

Version 2.0, January 2022

TEP
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Document Control

Document Title	Arboricultural Method Statement
Prepared for	Morgan Sindall
Prepared by	The Environment Partnership (TEP) Ltd
Document Ref.	8568.02.001
Date	January 2022
Author	Heather Eilbeck
Checked	Robin Grimes
Approved	Jonathan Smith

Amendment History					
Version	Date	Modified by	Approved by	Reason(s) for issue	Status
0.1	19/07/2021	HEE	RMG	Checking	Draft
1.0	20/07/2021	HEE	JGS	Approval	Superseded
2.0	06/01/2022	HEE	TDP	Updated General Arrangement	Final

Minet Infant and Junior School, Hayes

Arboricultural Method Statement

Site Overview and Operation Sign-Off

This document comprises 8 separate Method Statements together with supporting plans and has been produced to support a planning application for development across the entire site and to discharge Condition 3 of Planning Consent 2297/APP/2021/3875 for Temporary Accommodation required. 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 Clerk of Works (ACoW) 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. No level changes will be permissible unless specified within this document.
- I. The Site Manager will be responsible for contacting the ACoW as required by this AMS or if any requirement to enter a protected area arises.
- J. 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 ACoW.
- K. It will also be the responsibility of the appointed ACoW to undertake inspections no less than every 2 months to ensure compliance with the approved protection scheme and to submit records of site inspections and meetings (see **Appendix B** of this document for blank record form example) to the Local Planning Authority (trees@hillingdon.gov.uk). Any deviation from the approved scheme will be recorded in the Notes section opposite and reported to the site manager and local planning authority Tree Officer.

Notes:

[illegible]

OVERVIEW OF OPERATIONS

PRE-CONSTRUCTION

1. APPOINTMENT OF ARBORICULTURAL CLERK OF WORKS
2. APPOINTMENT OF ARBORICULTURAL CONTRACTOR
3. COMPLETION OF TREE WORKS
4. SIGN OFF BY ARBORICULTURAL CLERK OF WORKS

CONSTRUCTION PHASE 1

5. SETTING OUT OF PHASE 1 TREE AND HEDGE PROTECTION
6. INSTALLATION OF PHASE 1 TREE AND HEDGE PROTECTION
7. SIGN OFF BY ARBORICULTURAL CLERK OF WORKS
8. INSTALLATION OF PHASE 1 ABOVE GROUND CONSTRUCTION
9. SIGN OFF BY ARBORICULTURAL CLERK OF WORKS

CONSTRUCTION PHASE 2

10. SETTING OUT OF PHASE 2 TREE AND HEDGE PROTECTION
11. INSTALLATION OF PHASE 2 TREE AND HEDGE PROTECTION
12. INSTALLATION OF PHASE 2 DRAINAGE
13. SIGN OFF BY ARBORICULTURAL CLERK OF WORKS
14. REMOVAL OF PHASE 2 EXISTING HARD SURFACES
15. SIGN OFF BY ARBORICULTURAL CLERK OF WORKS
16. RESURFACING OF PHASE 2 HARD SURFACES
17. REMOVAL OF PHASE 2 TREE AND HEDGE PROTECTION

CONSTRUCTION PHASE 3

18. INSTALLATION OF PHASE 3 TREE PROTECTION
19. REMOVAL OF PHASE 3 HARD SURFACES
20. SIGN OFF BY ARBORICULTURAL CLERK OF WORKS
21. RESURFACING OF PHASE 3 HARD SURFACES

CONSTRUCTION PHASE 4

22. INSTALLATION OF PHASE 4 TREE PROTECTION
23. SIGN OFF BY ARBORICULTURAL CLERK OF WORKS
24. PHASE 4 DEMOLITION OF EXISTING BUILDING
25. REMOVAL OF PHASE 4 TREE PROTECTION
26. REMOVAL OF PHASE 4 HARD SURFACES
27. SIGN OFF BY ARBORICULTURAL CLERK OF WORKS
28. RESURFACING OF PHASE 4 HARD SURFACES
29. REMOVAL OF PHASE 1 TREE PROTECTION MEASURES
30. REMOVAL AND INSTALLATION OF BOUNDARY TREATMENTS
31. FINAL SIGN OFF BY ARBORICULTURAL CLERK OF WORKS
32. SOFT LANDSCAPING

NB. Arboricultural consultant to visit site not less than every 2 months to monitor phased tree protection measures and report to LPA.

Arboricultural Clerk of Works:

Telephone: | Email:

Completion of Tree Works	Date:	Initials:
Phase 1 Tree Protection and Drainage Installation	Date:	Initials:
Phase 1 Above Ground Construction	Date:	Initials:
Phase 2 Tree Protection and Drainage Installation	Date:	Initials:
Phase 2 Removal and Resurfacing of Hard Surfaces	Date:	Initials:
Phase 3 Tree Protection and Removal and Resurfacing of Hard Surfaces	Date:	Initials:
Phase 4 Demolition in Proximity to Trees & Removal and Resurfacing of Hard Surfaces	Date:	Initials:
Boundary Treatments and Soft Landscaping	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:

KEY

[This drawing must be reproduced in colour]

 Application Boundary

Construction Phasing

 Approximate Phase 1 Area

 Approximate Phase 2 Area

 Approximate Phase 3 Area

 Approximate Phase 4 Area



A	Updated General Arrangement and Operations Overview	HEE	TDP	05.01.2022
Rev	Description	Drawn	Approved	Date



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Tel 01925 844004 e-mail tep@tep.uk.com www.tep.uk.com

Project

Minet Infant and Junior School, Hayes
Arboricultural Method Statement

Title

Site Overview and Operation Sign-off

Drawing Number

D8568.02.001

Drawn HEE	Checked RMG	Approved JGS	Scale 1:2000 @ A3	Date 20/07/2021
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Minet Infant and Junior School, Hayes

Arboricultural Method Statement

Phase 1 Tree and Hedgerow Protection

The installation of physical tree protection measures must be completed before commencement of construction phase 1, including the creation of compounds, installation of temporary accommodation, 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:

- D8568.02.001 Site Overview and Operation Sign-off
- TEP.ARB.FEN.003 Temporary Tree Protection Fencing Specifications

TREE PROTECTION FENCING

- Following the completion and sign-off of tree works, the Site Manager will arrange Phase 1 protection fencing to be installed.
- The alignment of fencing will be set out by a topographical surveyor using wooden pegs as shown on the plan opposite as a **thick black line**. This **must be done accurately** to ensure that tree protection does not obstruct construction.
- Northings and Eastings can be provided by TEP for setting out.
- Where a **thick dashed blue line** is shown opposite, it is assumed existing boundary fencing will remain in situ and provide adequate protection to adjacent trees. Should this fencing be removed, additional tree protection will be required in its place.
- A contractor will be engaged to install the tree protection.
- Fencing will be installed according to the specification (ref: TEP.ARB.FEN.003) shown in **Appendix A**. A large pdf of the sign to be laminated and affixed to alternate panels is also appended to this document.
- Tree protection will remain in situ for the duration of the installation of all aspects of the temporary accommodation and only removed in agreement with the Arboricultural Clerk of Works (ACoW).



KEY

[This drawing must be reproduced in colour]

- T1/G1 Retained Trees and Groups
- H1 Retained Hedgerow
- Root Protection Area (RPA)
- Stump
- Application Boundary
- Approximate Phase 1 Area
- # Approximate location (Feature not shown on supplied topographical survey)

Protection Measures

- Temporary Tree Protection Fencing (To be installed prior to commencement of Phase 1)
- Existing Boundary Fencing



A	Updated General Arrangement and Protection Measures	HEE	TDP	05.01.2022
Rev	Description	Drawn	Approved	Date



Genesis Centre, Birchwood Science Park, Warrington WA3 7BH
Tel 01925 844004 e-mail tep@tep.uk.com www.tep.uk.com

Project
Minet Infant and Junior School, Hayes
Arboricultural Method Statement
Title
Phase 1 Tree and Hedgerow Protection

Drawing Number
D8568.02.003

Drawn	Checked	Approved	Scale	Date
HEE	RMG	JGS	1:1000 @ A3	20/07/2021

Minet Infant and Junior School, Hayes

Arboricultural Method Statement

Phase 1 Above Ground 'no-dig' Construction

Construction close to retained trees must be done in a sensitive manner to avoid or minimise damage to their roots or aerial parts. The conduct of site operatives and the design of built elements must be within certain parameters in order to allow the vital functions of trees, in particular their roots, to survive.

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:

- D8568.02.001 Site Overview and Operation Sign-off
- D8568.02.003 Phase 1 Tree and Hedgerow Protection
- TEP.ARB.CCS.001 No-dig Cellular Confinement System Specifications

PHASE 1 ABOVE GROUND FOOTPATH CONSTRUCTION

- Immediately following the installation of Phase 1 tree protection fencing, the Site Manager will arrange for the installation of above ground 'no-dig' construction.
- Areas of above ground construction are shown on the plan opposite as a **solid green hatch** and are permanent.
- Above ground construction will be installed following the methodology below and will be constructed on-top of the existing ground level, with the exception of a minimal vegetation scrape (max depth 50mm) where required. No other penetration or disturbance of the existing ground level will be allowed.
- A blinding or levelling layer of up to 50mm of washed sharp sand (no salt) may be laid if required.
- A permeable geotextile membrane will be laid.
- The footpath will be constructed on top of the blinding layer and membrane using a cellular confinement system (e.g. Geosynthetics CellWeb or a similar product) installed as per the manufacturers instructions and filled with 20-40mm clean angular stone (no fines). An indicative specification (ref: TEP.ARB.CCS.001) is provided at **Appendix A**.
- The final wearing courses will be permeable. All surfacing specifications will be verified by an engineer and the Arboricultural Clerk of Works (ACoW) prior to installation.
- No vehicular movement will be permitted on top of areas of above ground construction.
- Surrounding levels and surfaces will be designed to tie in with the surfaces in above ground construction areas highlighted on the plan opposite.
- The completion of above ground construction installation according to this Method Statement will be verified and signed off by the appointed ACoW.

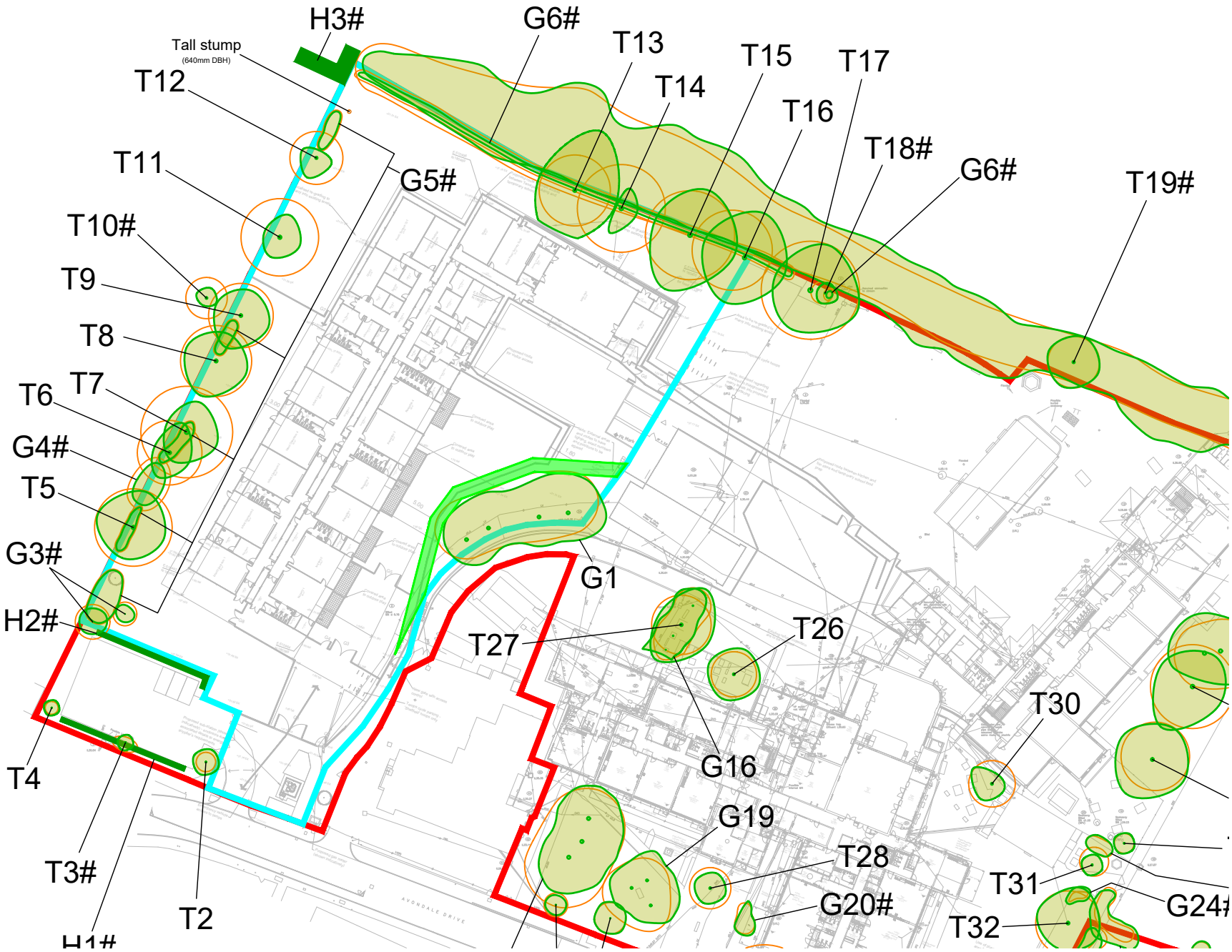
KEY

[This drawing must be reproduced in colour]

- T1/G1 Retained Trees and Groups
- H1 Retained Hedgerow
- Root Protection Area (RPA)
- Stump
- Application Boundary
- Approximate Phase 1 Area
- # Approximate location
(Feature not shown on supplied topographical survey)

Proposed Phase 1 Works

- Above Ground Construction



A	Updated General Arrangement and AGC Methodology	HEE	TDP	05.01.2022
Rev	Description	Drawn	Approved	Date



Genesis Centre, Birchwood Science Park, Warrington WA3 7BH
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Project	Minet Infant and Junior School, Hayes Arboricultural Method Statement			
Title	Phase 1 Above Ground 'no-dig' Construction			

Drawing Number
D8568.02.004

Drawn	Checked	Approved	Scale	Date
HEE	RMG	JGS	1:1000 @ A3	20/07/2021

Minet Infant and Junior School, Hayes

Arboricultural Method Statement

Phase 2 Tree and Hedgerow Protection and Drainage Installation

The installation of physical tree protection measures must be completed before commencement of construction phase 2, 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. Drainage within any CEZ must be installed in accordance 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:

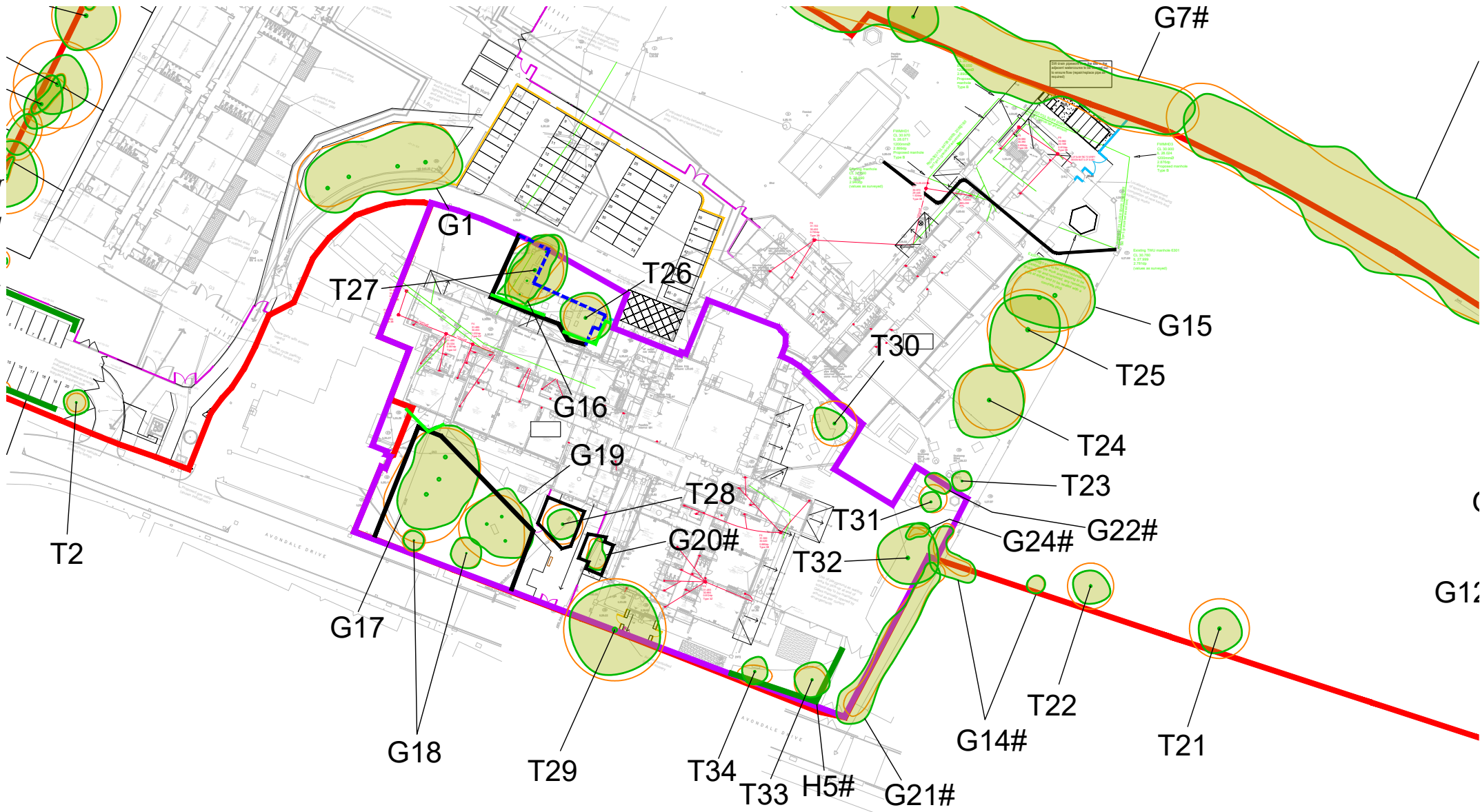
- D8568.02.001 Site Overview and Operation Sign-off
- TEP.ARB.FEN.003 Temporary Tree Protection Fencing Specifications
- TEP.ARB.EXC.001 Excavation - Watching Brief - Root Pruning Specification

TREE PROTECTION FENCING

- Following the completion of construction phase 1, the Site Manager will arrange Phase 2 protection fencing to be installed.
- The alignment of fencing will be set out by a topographical surveyor using wooden pegs as shown on the plan opposite as a **thick black line**. This **must be done accurately** to ensure that tree protection does not obstruct construction.
- Northings and Eastings can be provided by TEP for setting out.
- Where a **thick dashed blue line** is shown opposite, it is assumed existing boundary fencing will remain in situ and provide adequate protection to adjacent trees. Should this fencing be removed, additional tree protection will be required in its place.
- A contractor will be engaged to install the tree protection.
- Fencing will be installed according to the specification (ref: TEP.ARB.FEN.003) shown in **Appendix A**. A large pdf of the sign to be laminated and affixed to alternate panels is also appended to this document.
- Tree protection will remain in situ for the duration of the construction until completion of Phase 2 unless specified by this method statement or at the direction of the Arboricultural Clerk of Works (ACoW).

PHASE 2 DRAINAGE INSTALLATION

- Following on from the installation of Phase 2 tree protection fencing, the Site Manager will arrange with the ACoW a date for the installation of drainage within the CEZ of T26, G16 and G17, shown as a **thick green line** on the plan opposite.
- The ACoW will supervise all works relating to the installation of Phase 2 drainage.
- Fencing may be temporarily realigned to allow for drainage installation under the instruction of the ACoW.
- A trench will be dug using hand tools only to a depth of 600mm or until no further roots are anticipated by the ACoW. The wearing course of existing hard surfacing may be scored using a disc cutter to a depth of 50mm to aid removal. Sub-base material will then be removed.
- Excavated material must not be stored within the CEZ or beneath the canopy of any retained tree.
- The ACoW will monitor the level and likelihood of potential root loss and make on-site recommendations as below in accordance with the indicative specification shown in **Appendix A** (ref: TEP.ARB.EXC.001):
 - No roots - Continue without constraint
 - Minor roots (<10mm diameter) - Continue to monitor
 - Moderate roots (11-24mm diameter) - Prune roots neatly
 - Major roots (25mm diameter or above) - On-site recommendations by ACoW
- The 150mm diameter pipe will then be installed within the trench and backfilled with excavated material.
- Tree protection fencing will be realigned to the alignment shown opposite.
- The installation and maintenance of tree protection measures and installation of Phase 2 drainage according to this Method Statement will be verified by the appointed ACoW.
- The fencing will be subject to inspection by the appointed ACoW not less than every two months. It will be the responsibility of the ACoW to report their findings to the site manager and local planning authority



KEY

[This drawing must be reproduced in colour]

- T1/G1 Retained Trees and Groups
- H1 Retained Hedgerow
- Root Protection Area (RPA)
- Application Boundary
- Approximate Phase 2 Area
- # Approximate location (Feature not shown on supplied topographical survey)

Protection Measures

- Temporary Tree Protection Fencing (To be installed prior to commencement of Phase 2)
- Existing Boundary Fencing

Proposed Phase 2 Works

- Drainage Installation within CEZ



A	Updated General Arrangement	HEE	TDP	05.01.2022
Rev	Description	Drawn	Approved	Date



Genesis Centre, Birchwood Science Park, Warrington WA3 7BH
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Project
Minet Infant and Junior School, Hayes
Arboricultural Method Statement
Title
Phase 2 Tree and Hedgerow Protection and Drainage Installation

Drawing Number
D8568.02.005

Drawn	Checked	Approved	Scale	Date
HEE	RMG	JGS	1:1000 @ A3	20/07/2021

Minet Infant and Junior School, Hayes
Arboricultural Method Statement
Removal and Resurfacing of Hard Surfaces

This document describes the process of removal of existing hard surfacing that are within restricted areas close to trees. If, for whatever reason, it is not possible to comply with this document, works must cease until the Arboricultural Clerk of Works has been contacted and an alternative method has been agreed. All tree protection measures must be in place before removal commences.

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:

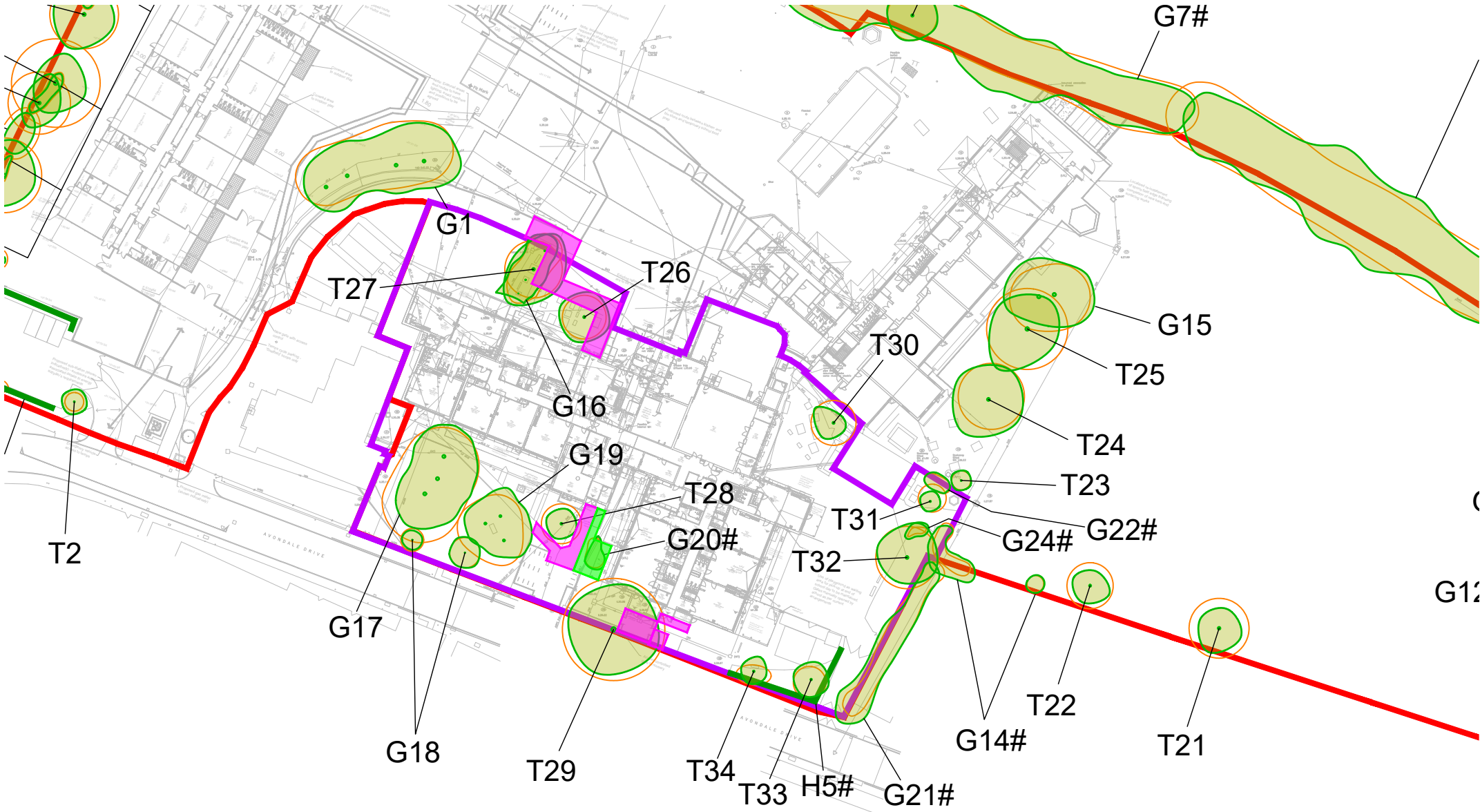
- D8568.02.001 Site Overview and Operation Sign-off
- D8568.02.005 Phase 2 Tree and Hedgerow Protection and Drainage Installation

REMOVAL OF HARD SURFACES WITHIN PHASE 2

- When the build programme has been drafted, the Site Manager will arrange a date with the Arboricultural Clerk of Works (ACoW) to supervise the removal of existing hard surfacing adjacent to T26, T28, T29, G16 and G20.
- All surfacing removal works within the CEZ will be supervised by the ACoW.
- Tree protection fencing may be realigned to accommodate surfacing works under the instruction of the ACoW.
- Existing artificial grass surfacing, shown on the plan opposite as a **solid green hatch**, will be removed by lifting away from the surface.
- Existing tarmac, identified on the plan opposite as a **solid magenta hatch**, will be scored using a disc cutter to a depth of 50mm.
- Hard surfaces will be broken up and removed away from the protected area by hand. Removal of any material from below ground level will be done using hand tools only.
- No arisings will be stored within the CEZ or beneath the canopy of any retained tree.
- The removal of hard surfaces in accordance with this method statement will be verified by the ACoW.

RESURFACING OF HARD SURFACES WITHIN PHASE 2

- Immediately following on from removal of hard surfaces, the Site Manager will arrange for resurfacing works to take place.
- Resurfacing should take place as soon as possible following on from removal of hard standing. Should there be a delay in resurfacing, tree protection fencing will be installed around the perimeter of the un-surfaced area until resurfacing works take place. Tree protection fencing in these instances will follow the installation methodology and specification detailed on **D8568.02.005**.
- During resurfacing, any new sub-base required will only be permissible to the same depth as that removed within the CEZ. No additional excavation will be allowed.
- The wearing course will be made good and finished according to the approved specification.
- Hard resurfacing will not be required in the area highlighted in **green**. Soft landscaping in this area will be completed in accordance with the the methodology detailed on **D8568.02.009**.



KEY

[This drawing must be reproduced in colour]

- T1/G1 Retained Trees and Groups
- H1 Retained Hedgerow
- Root Protection Area (RPA)
- Application Boundary
- Approximate Phase 2 Area
- # Approximate location
(Feature not shown on supplied topographical survey)

Proposed Phase 2 Works

- Removal and Resurfacing of Hard Standing
- Removal of Artificial Grass Surfacing



Rev	Description	Drawn	Approved	Date
A	Updated General Arrangement and Hard Surfacing Areas	HEE	TDP	05.01.2022



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Project
Minet Infant and Junior School, Hayes
Arboricultural Method Statement
Title
Phase 2 Removal and Resurfacing of Hard Surfaces

Drawing Number
D8568.02.006

Drawn	Checked	Approved	Scale	Date
HEE	RMG	JGS	1:1000 @ A3	20/07/2021

Phase 3 Tree Protection and Removal and Resurfacing of Hard Surfaces

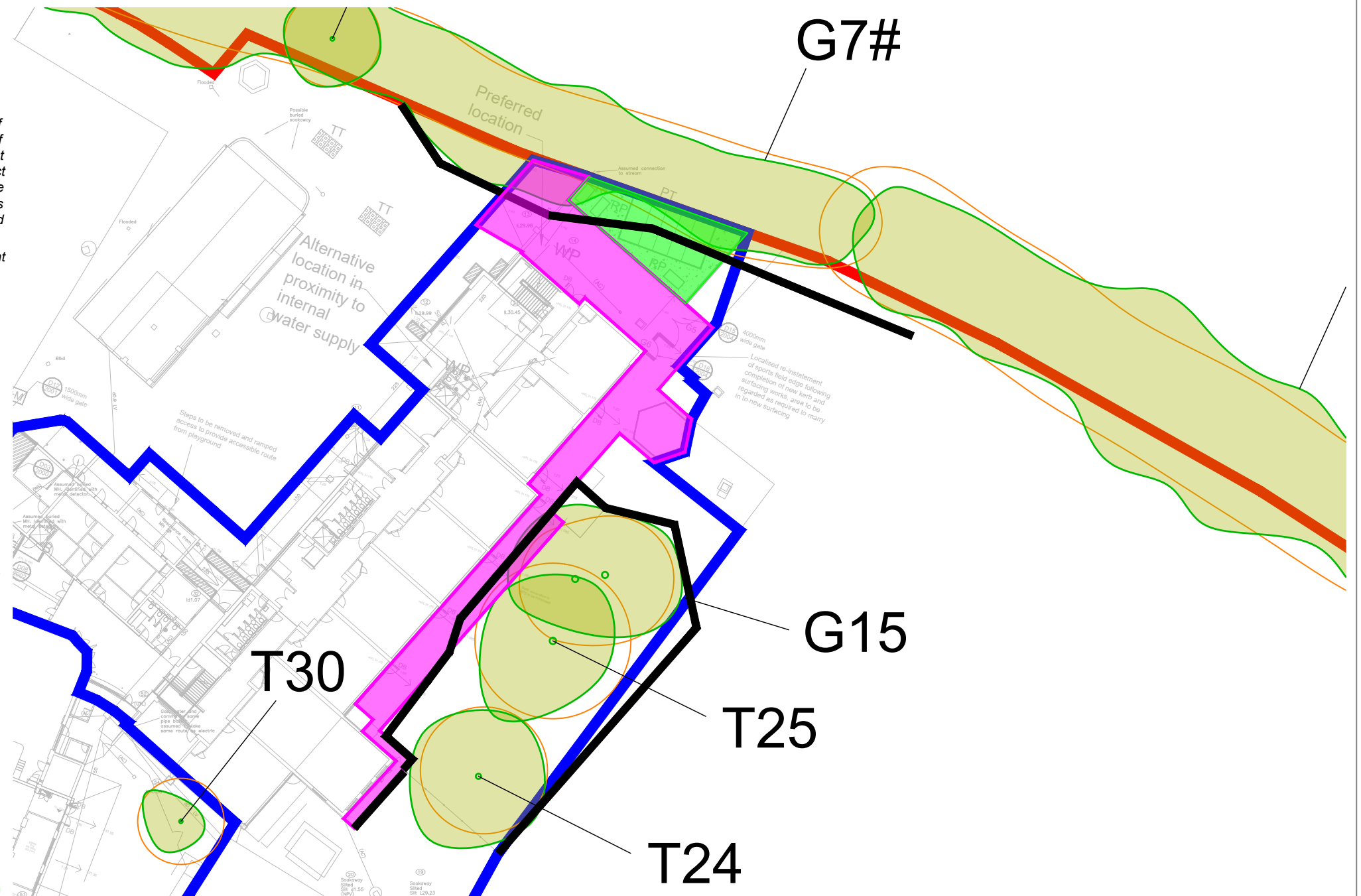
The detail and requirements of this Method Statement must inform the production of all relevant tender documents and instructions to contractors.

- *D8568.02.001 Site Overview and Operation Sign-off*
- *TEP.ARB.FEN.003 Temporary Tree Protection Fencing Specifications*
- *D8568.02.009 Boundary Treatments and Soft Landscaping*

1. Following the completion of construction phase 2, the Site Manager will arrange Phase 3 protection fencing to be installed.
2. The alignment of fencing will be set out by a topographical surveyor using wooden pegs as shown on the plan opposite as a **thick black line**. This **must be done accurately** to ensure that tree protection does not obstruct construction.
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 (*ref: TEP.ARB.FEN.003*) shown in **Appendix A**. A large pdf of the sign to be laminated and affixed to alternate panels is also appended to this document.
6. Tree protection will remain in situ for the duration of the construction until completion of Phase 3 unless specified by this method statement or at the direction of the Arboricultural Clerk of Works (ACoW).
7. The installation and maintenance of tree protection measures according to this Method Statement will be verified by the appointed ACoW.
8. The fencing will be subject to inspection by the appointed ACoW not less than every two months. It will be the responsibility of the ACoW to report their findings to the site manager and local planning authority

9. When the build programme has been drafted, the Site Manager will arrange a date with the ACoW to supervise the removal of existing hard surfacing adjacent to T24, T25, G7 and G15.
10. All surfacing removal works within the CEZ will be supervised by the ACoW.
11. Tree protection fencing may be realigned to accommodate surfacing works under the instruction of the ACoW.
12. Existing tarmac, identified on the plan opposite as a **solid magenta hatch** or **solid green hatch** will be scored using a disc cutter to a depth of 50mm.
13. Hard surfaces will be broken up and removed away from the protected area by hand. Removal of any material from below ground level will be done using hand tools only.
14. No arisings will be stored within the CEZ or beneath the canopy of any retained tree.
15. Tree protection fencing should be realigned to follow the edge of the **green** delineated area upon completion of surfacing removal.
16. The removal of hard surfaces in accordance with this method statement will be verified by the ACoW.

17. Immediately following on from removal of hard surfaces, the Site Manager will arrange for hard resurfacing works to take place in the areas highlighted in **magenta** opposite.
18. Resurfacing should take place as soon as possible following on from removal of hard standing. Should there be a delay in resurfacing, tree protection fencing will be installed around the perimeter of the un-surfaced area until resurfacing works take place. Tree protection fencing in these instances will follow the installation methodology and specification detailed in the Tree Protection Section above.
19. During resurfacing, any new sub-base required will only be permissible to the same depth as that removed within the CEZ. No additional excavation will be allowed.
20. Wearing courses will be made good and finished according to the approved specification.
21. Hard resurfacing will not be required in the area highlighted in **green**. Soft landscaping in this area will be completed in accordance with the methodology detailed on **D8568.02.009**.



[This drawing must be reproduced in colour]

-  T1/G1 Retained Trees and Groups
-  H1 Retained Hedgerow
-  Root Protection Area (RPA)
-  Application Boundary
-  Approximate Phase 3 Area
-  Approximate location
(Feature not shown on supplied topographical survey)

— Temporary Tree Protection Fencing
(To be installed prior to commencement of Phase 3)

 Removal and Resurfacing of Hard Standing

 Removal of Hard Standing



A	Updated General Arrangement and Hard Surfacing Areas	HEE	TDP	05.01.2022
Rev	Description	Drawn	Approved	Date



THE ENVIRONMENT PARTNERSHIP

Genesis Centre, Birchwood Science Park, Warrington WA3 7BH
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Project

Minet Infant and Junior School, Hayes
Arboricultural Method Statement

Title

Phase 3 Tree Protection and Removal and Resurfacing of Hard Surfaces

Drawing Number
D8568.02.007

Drawn HEE	Checked RMG	Approved JGS	Scale 1:500 @ A3	Date 20/07/2021
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Demolition in Proximity to Trees and Removal and Resurfacing of Hard Surfaces

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

- *D8568.02.001 Site Overview and Operation Sign-off*
- *TEP.ARB.FEN.004 Tree Protection Fencing Specification - Demolition*

1. Prior to the commencement of Phase 4 demolition works, the Site Manager will arrange for protection fencing to be installed.
2. The alignment of fencing will be set out by the demolition contractor, as shown by a **thick black line** on the plan opposite, and will be aligned with the outer canopy edge of G1.
3. Where a **thick dashed blue line** is shown opposite, it is assumed existing boundary fencing will remain in situ and provide adequate protection to adjacent trees. Should this fencing be removed, additional tree protection will be required in its place.
4. Fencing will be installed according to the specification shown in **Appendix A (ref: TEP.ARB.FEN.004)**. A large pdf of the sign to be laminated and affixed to alternate panels is also appended to this document.
5. The installation and maintenance of Phase 4 tree protection measures according to this Method Statement will be verified by via date stamp photographs sent by the Site Manager to the ACoW prior to commencement of demolition.

6. When the Phase 4 demolition program has been drafted, the Site Manager will contact the Arboricultural Clerk of Works (ACoW) to arrange supervision of demolition works within close proximity to G1.
7. The existing building, shown opposite as a **solid blue hatch**, will be removed in accordance with the approved demolition plans.
8. Following on from completion of demolition (inclusive of debris removal), tree protection fencing will be removed.
9. Existing tarmac, shown opposite as a **solid magenta hatch**, will be scored using a disc cutter to a depth of 50mm.
10. Hard surfaces will be broken up and removed away from the protected area by hand. Removal of any material from below ground level will be done using hand tools only.
11. No arisings will be stored within the CEZ or beneath the canopy of any retained tree.
12. The removal of hard surfaces in accordance with this method statement will be verified by the ACoW.

13. Immediately following on from removal of hard surfaces, the Site Manager will arrange for resurfacing works to take place.
14. Resurfacing should take place as soon as possible following on from removal of hard standing. Should there be a delay in resurfacing, tree protection fencing will be installed around the perimeter of the un-surfaced area until resurfacing works take place. Tree protection fencing in these instances will follow the installation methodology and specification detailed in the Tree Protection Section above.
15. During resurfacing, any new sub-base required will only be permissible to the same depth as that removed within the CEZ. No additional excavation will be allowed.
16. Wearing courses will be made good and finished according to the approved specification.



[This drawing must be reproduced in colour]

-   T1/G1 Retained Trees and Groups
-  H1 Retained Hedgerow
-  Root Protection Area (RPA)
-  Application Boundary
-  Approximate Phase 4 Area
-  Approximate location
(Feature not shown on supplied topographical survey)

 Temporary Tree Protection Fencing
 (To be installed prior to commencement of Phase 4)

 Existing Boundary Feature

Demolition of Existing Building

Removal and Resurfacing of Hard Standing



A	Updated General Arrangement and Hard Surfacing Areas	HEE	TDP	05.01.2022
Rev	Description	Drawn	Approved	Date



THE ENVIRONMENT PARTNERSHIP

Genesis Centre, Birchwood Science Park, Warrington WA3 7BH
Tel 01925 844004 e-mail tep@tep.uk.com www.tep.uk.com

Project

Minet Infant and Junior School, Hayes
Arboricultural Method Statement

Title

Phase 4 Demolition in Proximity to Trees and Removal and Resurfacing of Hard Surfaces

Drawing Number

D8568.02.008

Drawn HEE	Checked RMG	Approved JGS	Scale 1:250 @ A3	Date 20/07/2021
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Minet Infant and Junior School, Hayes

Arboricultural Method Statement

Boundary Treatments and Soft Landscaping

The approved layout necessitates the installation of permanent fences and soft landscaping within the Root Protection Area of retained trees. This can be achieved, provided that the methods and operational restrictions presented in this document are observed.

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:

- D8568.02.001 Site Overview and Operation Sign-off

BOUNDARY TREATMENTS

- The following restrictions and observations will apply to all fences that are highlighted with a **thick green line** on the plan opposite.
- During removal of existing fences, vegetation will be cut at ground level. Panels will be lifted manually and removed from the working area.
- Fence posts will be pulled vertically and/or away from the trees, using an excavator bucket and a strop or chain if necessary which will be positioned outside of the Root Protection Area (RPA).
- At no point during works will any plant or vehicles be permitted within the RPA of retained trees.
- No debris from fencing removal will be stored within the RPA or beneath the canopy of any retained tree.
- During fencing replacement and installation, existing post holes will be used wherever possible.
- All fences will be designed such that no new fence post is installed within 2m of any tree. This may necessitate variation in post spacing.
- Post holes will be dug by hand and roots over 150mm diameter and above 100mm depth will not be severed; the hole will be backfilled and relocated.
- Post holes will be lined with a non-permeable membrane to prevent contact between wet concrete or similar cementitious products and soil.
- Temporary ground protection will be laid around working areas to prevent soil compaction.
- The removal and installation of boundary treatments and compliance with this method statement will be verified by the Arboricultural Clerk of Works.

SOFT LANDSCAPING AND POLYTUNNEL INSTALLATION

- Following completion of all other works and unless otherwise directed, all remaining tree protection measures will be removed.
- Areas of proposed soft landscaping works are shown on the plan opposite.
- All soft landscaping works will be completed according to the following restrictions.
 - No level changes will be permitted within any RPA other than an increase of up to 100mm by the addition of mulch or topsoil unless contained within a raised planting bed.
 - Planting bed edges may be sunk a maximum of 50mm into the ground if required with any excavation to do so completed using hand tools only.
 - Soils may be mulched, turfed or seeded but not paved.
 - No rotavation will be permitted.
 - All planting will be done by hand and with regard for the location of tree large roots greater than 10mm diameter. Planting locations will be microsituated to avoid large roots where possible and roots larger than 25mm will not be severed.
 - There will be no excavation, installation of permanent surfaces or structures, and no use of wet cementitious products within any protected area.
 - Any membranes must be pervious to water and gaseous exchange.
 - Any woodchip used must have been composted for a minimum period of 12 months prior to application.



KEY

[This drawing must be reproduced in colour]

- T1/G1 Retained Trees and Groups
- H1 Retained Hedgerow
- Root Protection Area (RPA)
- Application Boundary
- # Approximate location
(Feature not shown on supplied topographical survey)

Proposed Works

- Boundary Treatments
- Planting Beds
- Polytunnel
- Bark Mulch Surfacing



Rev	Description	Drawn	Approved	Date
A	Updated General Arrangement and Soft Landscaping	HEE	TDP	05.01.2022



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Project
Minet Infant and Junior School, Hayes
Arboricultural Method Statement
Title
Boundary Treatments and Soft Landscaping

Drawing Number
D8568.02.009

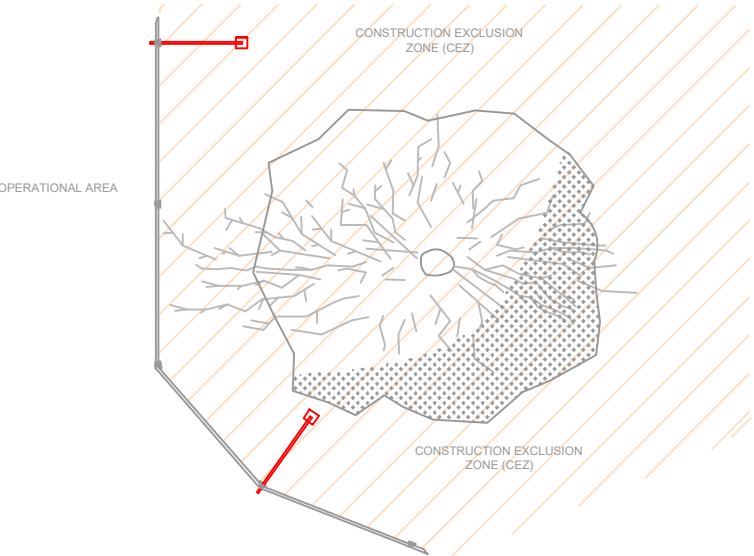
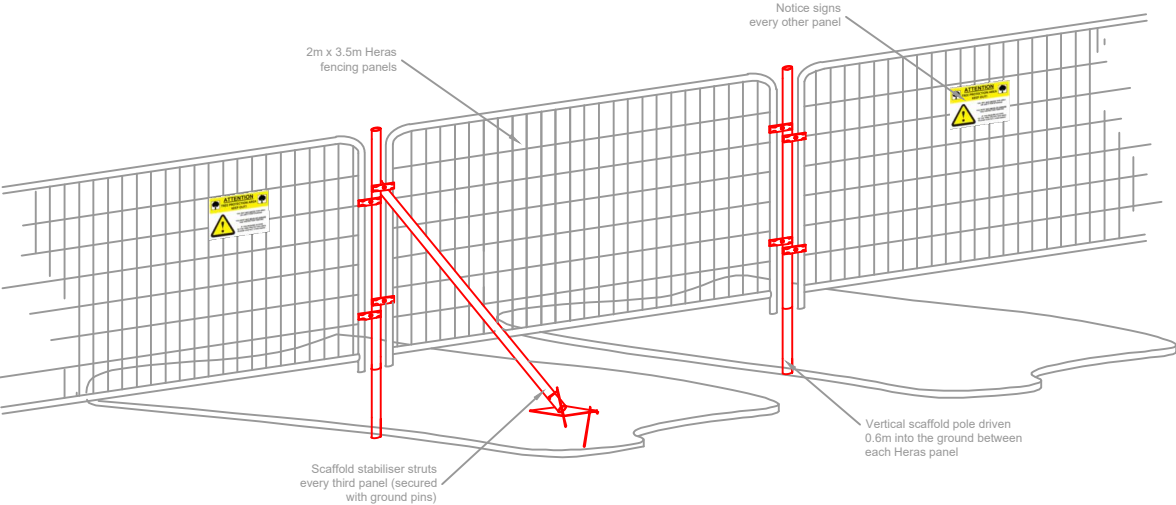
Drawn	Checked	Approved	Scale	Date
HEE	RMG	JGS	1:1250 @ A3	20/07/2021



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APPENDIX A: Technical Specifications

Tree Protection Fencing for use on soft surfaces

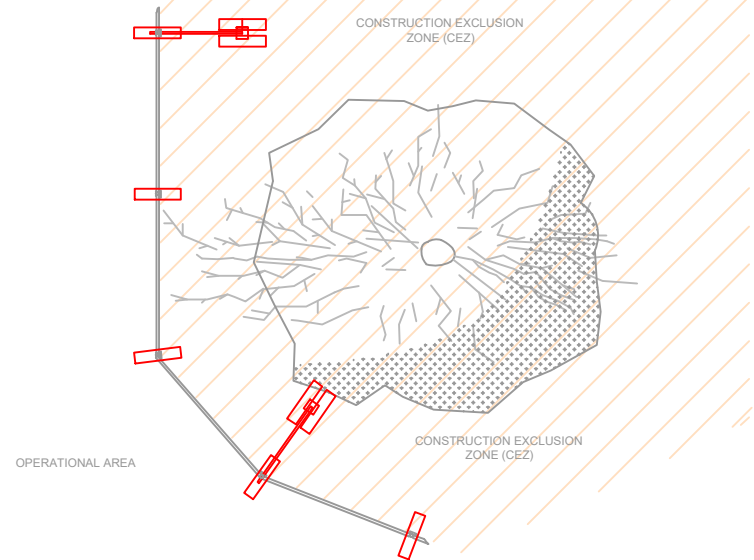
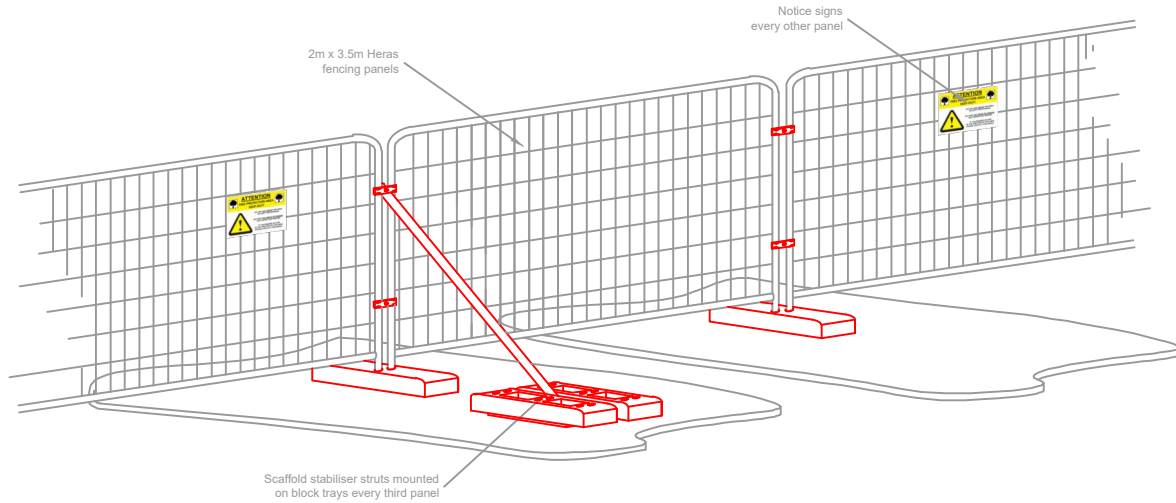


Per 3No. Heras panels (10.5m)

Component	Quantity
2m x 3.5m Standard Heras panels	3
3m Galvenised steel scaffold pole	3
Heras fecurity fence clip	12
Heras stabilising support bar	1
Stabilising pin	2
Tree protection notice	2

Notes:

Tree Protection Fencing for use on hard surfaces



Per 3No. Heras panels (10.5m)

Component	Quantity
2m x 3.5m Standard Heras panels	3
Rubber fencing block tray (footing)	5
Scaffold clamp double coupler	6
Heras stabilising strut support bar	3
Tree protection notice	2

Notes:

Rev	Description	Drawn	Approved	Date
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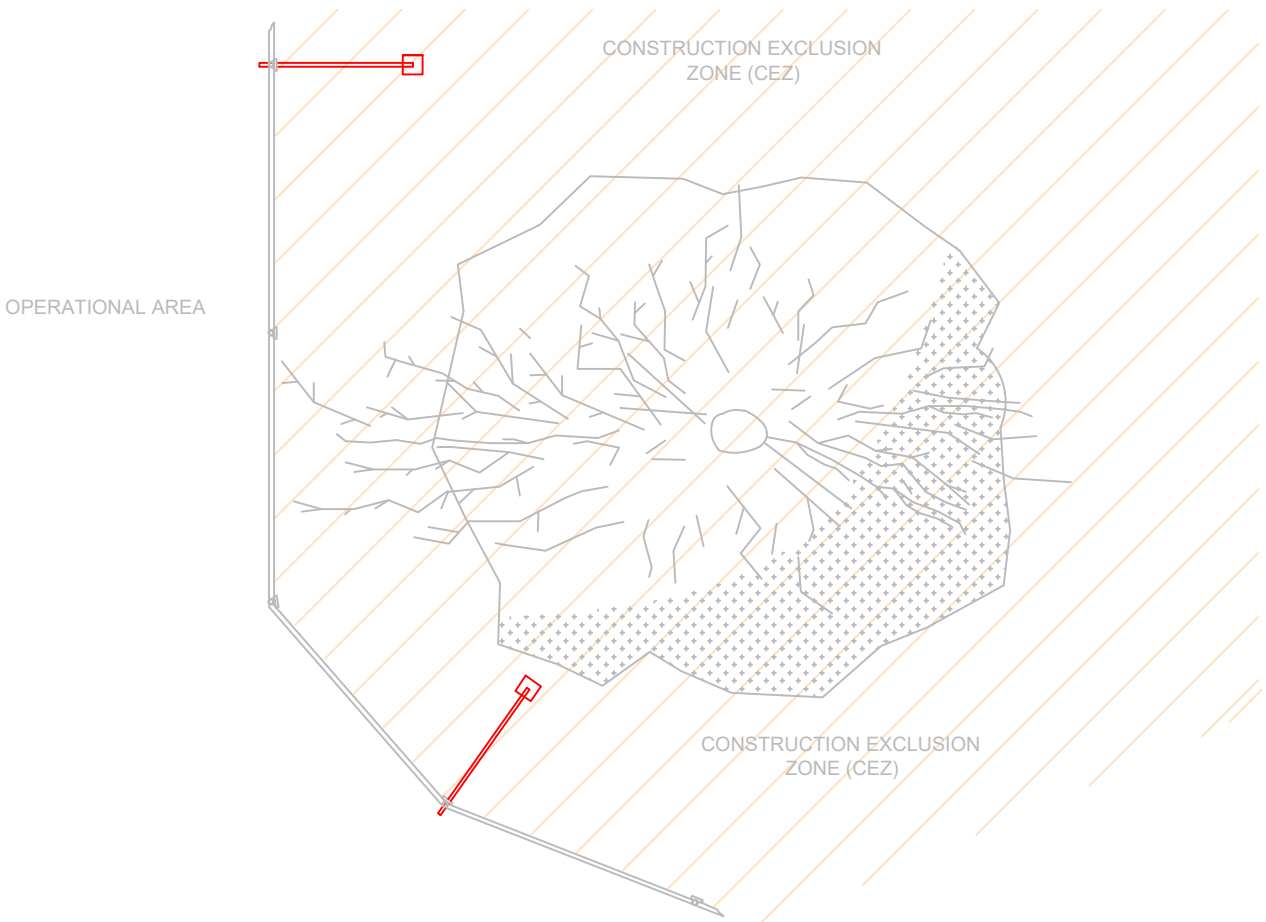
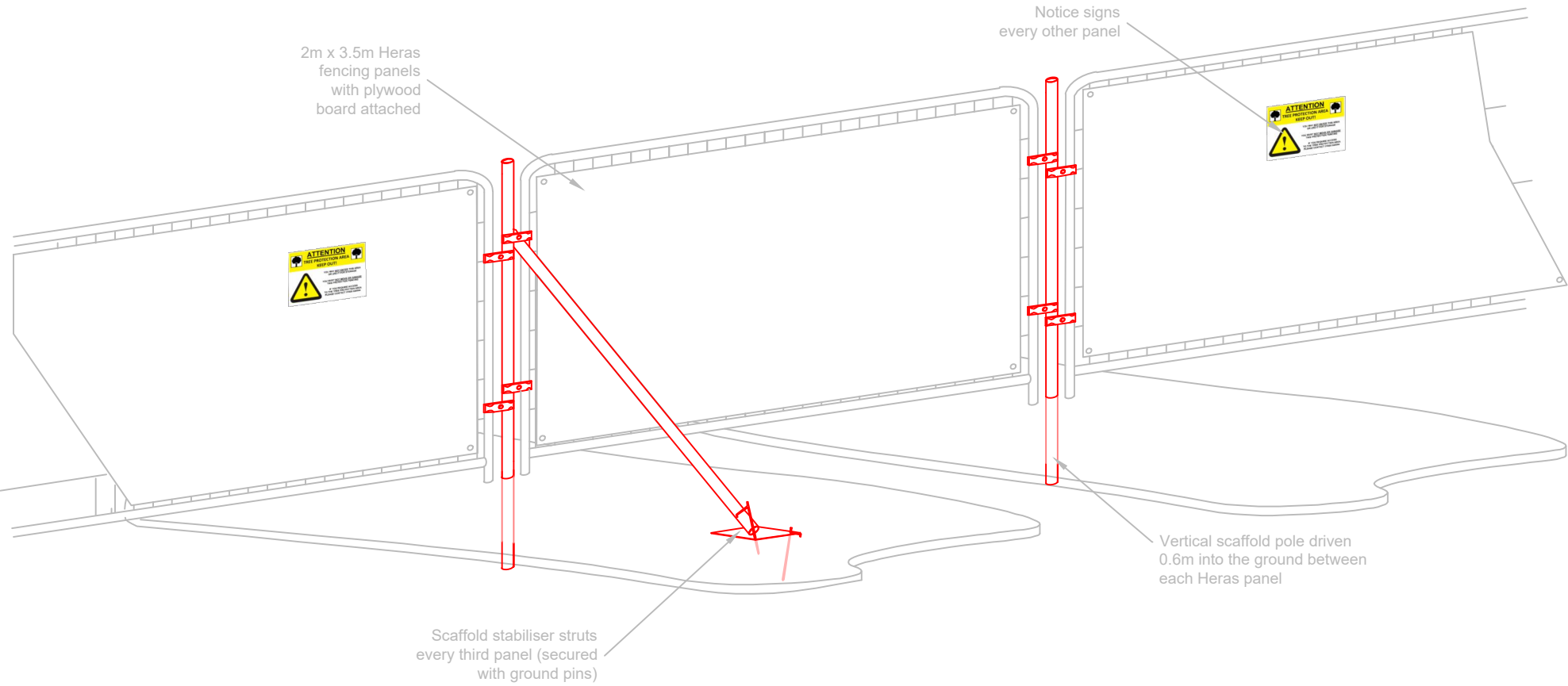
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Project

Title
Temporary tree protection fencing specifications

Drawing Number
TEP.ARB.FEN.003

Drawn	Checked	Approved	Scale	Date
TDP	RMG	JGS	(not to scale) @ A3	09/07/2019



Per 3No. Heras panels (10.5m)	
Component	Quantity
2m x 3.5m Standard Heras panels	3
2m x 3.5m Plyboards	3
3m Galvenised steel scaffold pole	3
Heras fecurity 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 specification for demolition

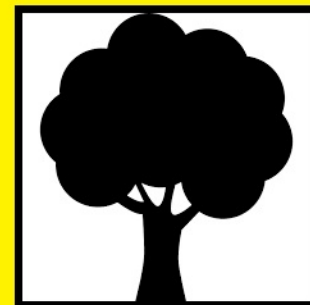
Drawing Number
TEP.ARB.FEN.004

Drawn	Checked	Approved	Scale	Date
TDP	RMG	JGS	(not to scale) @ A3	09/07/2019



ATTENTION

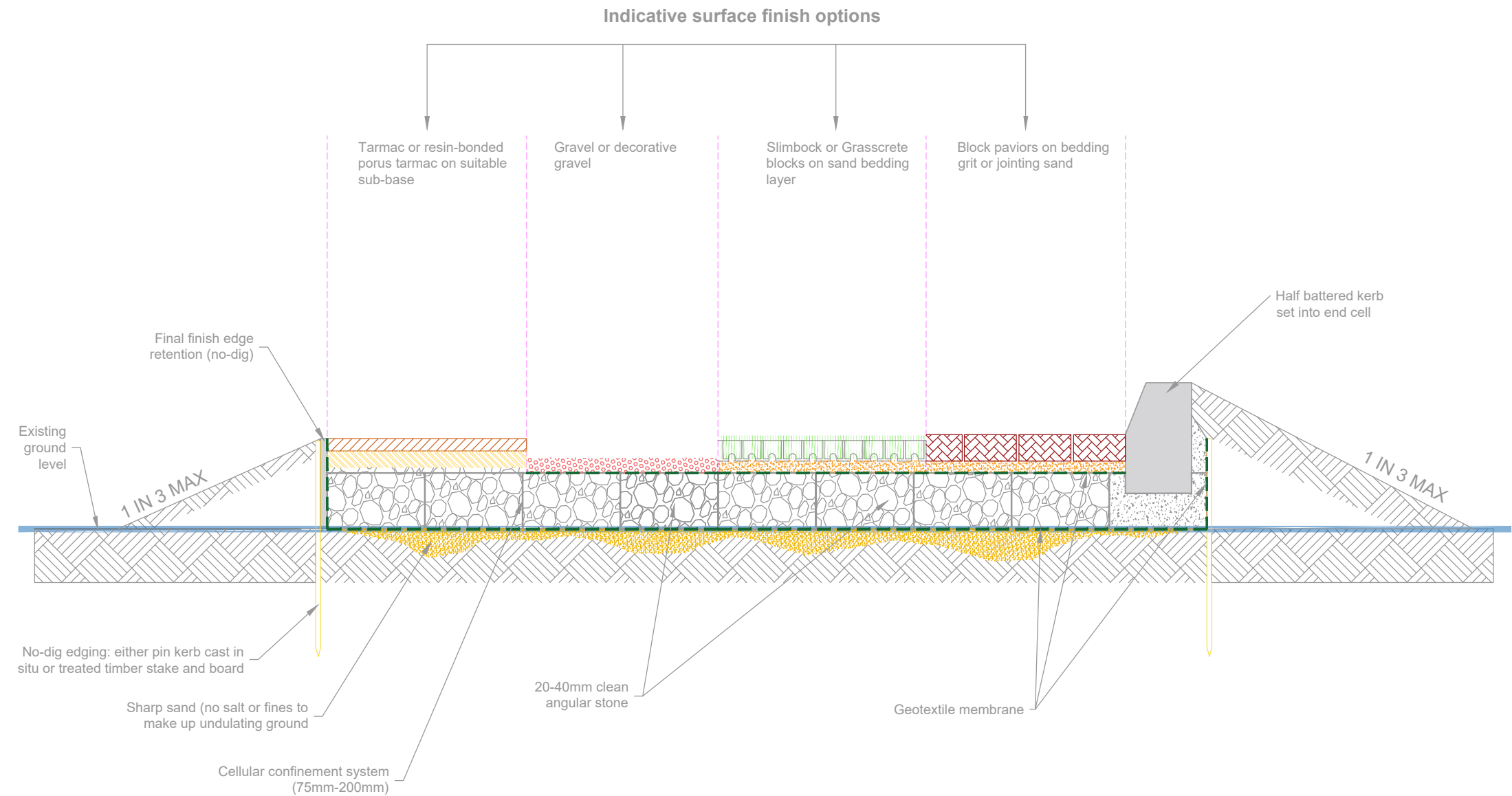
TREE PROTECTION AREA KEEP OUT!



**YOU MAY NOT ENTER THIS AREA
OR USE IT FOR STORAGE**

**YOU MUST NOT MOVE OR DAMAGE
THIS PROTECTION FENCING**

**IF YOU REQUIRE ACCESS
TO THE TREE PROTECTION AREA
PLEASE CONTACT 01925 844004**



Installation Notes

1. All surfacing specifications to be verified by an engineer prior to installation
2. A vegetation scrape to a maximum depth of 50mm may be undertaken by a flat toothed bucket.
3. A leveling layer of washed sharp sand (no salt or fines) may be laid as required to a maximum depth of 50mm to make up undulating ground.
4. A geotextile membrane will be laid across the whole footpath area with 300mm dry overlapping joints.
5. A no-dig cellular confinement system (CCS) will be laid across the whole area identified on the plans.
6. Clean angular stone (20-40mm) will be loose tipped onto the CCS and spread to give even coverage. Plant and vehicles will not be permitted to track on exposed ground or empty cells.
7. Aggregate will be settled using a walk-behind vibratory plate compactor.
8. In areas of blockwork, a second layer of geotextile membrane will be laid above the filled cells with 300mm dry overlapping joints. Bedding grit and jointing sand without fines or salt will be used to the architect's specified depth and blocks or paviors will be brush jointed. No wet cementitious products will be used.
9. In areas of hot surface application, the CCS will be overfilled with aggregate by 25mm. Surfacing will be applied directly to the aggregate base according to the manufacturer's instruction and architect's specification. All products will be pervious.
10. Timber board edging will be used where edge restraints are required.
11. New no-dig surfaces will then be tied into existing ground levels.
12. The no-dig cellular confinement system and geotextile membrane should be laid in accordance with the manufacturers' specifications.



Rev	Description	Drawn	Approved	Date
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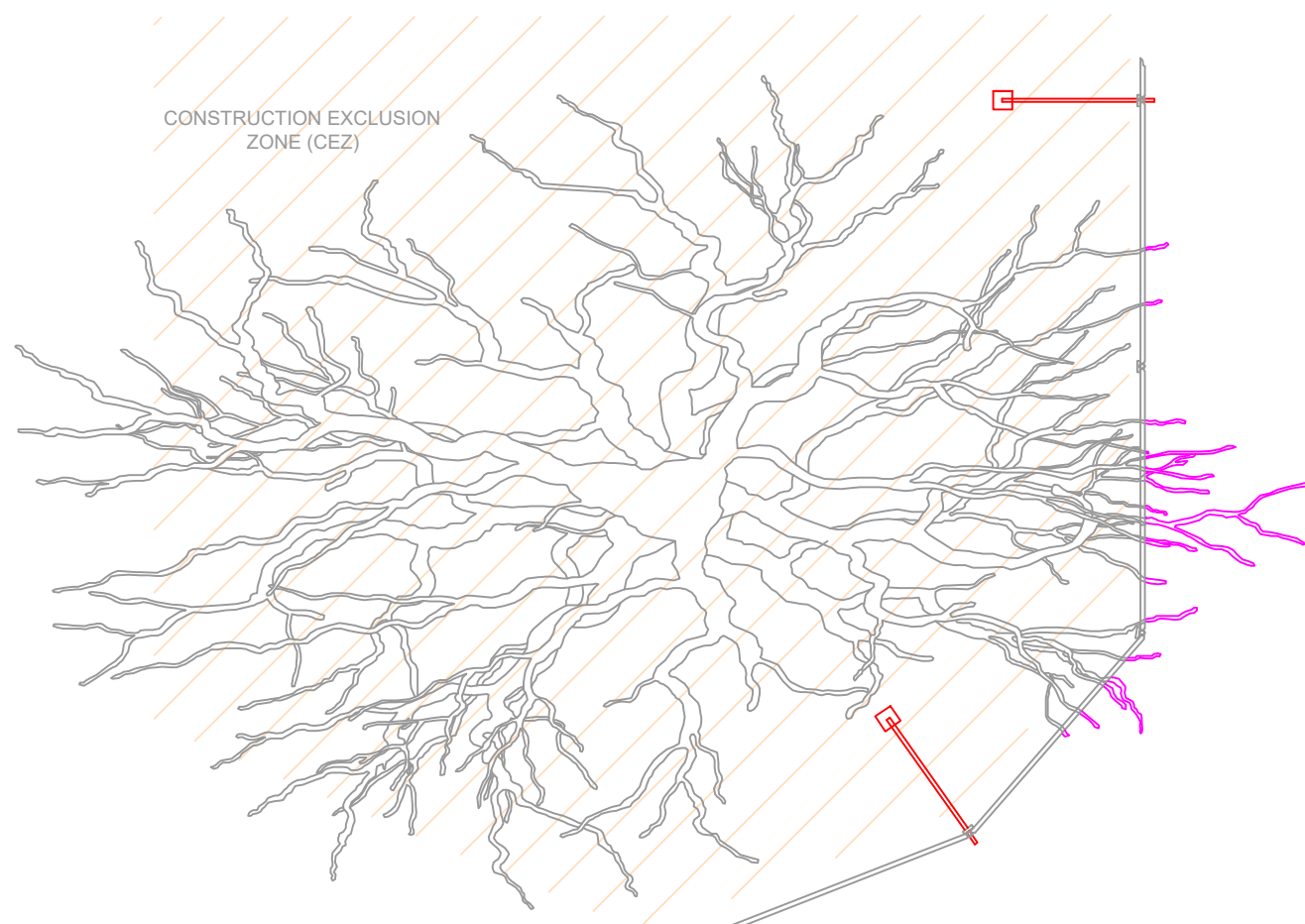
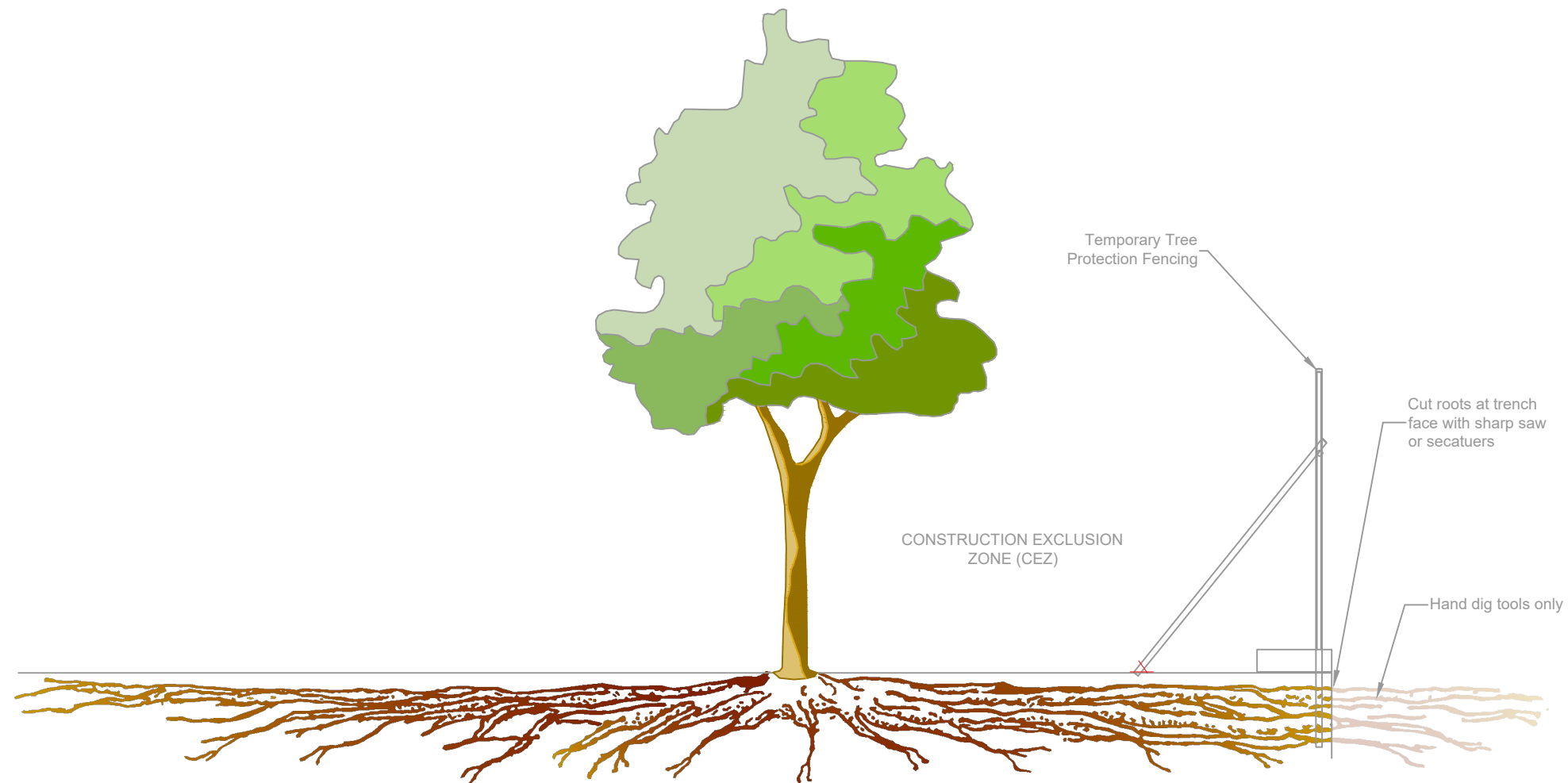
Genesis Centre, Birchwood Science Park, Warrington WA3 7BH
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Project

Title
No-dig CCS Indicative specifications - Combined

Drawing Number
TEP.ARB.CCS.001

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



Rev	Description	Drawn	Approved	Date
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Project

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



APPENDIX B: Example Arboricultural Supervision and Site Monitoring Record

Arboricultural Supervision and Site Monitoring Record

Site Name:	
Date of Visit:	
Reason for Visit:	
Actions Arising from Previous Visit:	
Protection Inspected / Works Supervised:	
Special Measures Implemented:	
Recommendations:	
Notes:	
Signed:	
Print Name:	
Date:	

HEAD OFFICE

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