



HERITAGE WAY

BRYMBO

ARBORICULTURAL METHOD STATEMENT

JANUARY 2021

TEP
Genesis Centre
Birchwood Science Park
Warrington
WA3 7BH

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Offices in Warrington, Market Harborough, Gateshead, London and Cornwall

Document Control

Document Title	Arboricultural Method Statement
Prepared for	Taylor Wimpey North West
Prepared by	The Environment Partnership (TEP) Ltd
Document Ref.	8576.001
Date	January 2021
Author	Heather Eilbeck
Checked	Robin Grimes
Approved	Robin Grimes

Amendment History					
Version	Date	Modified by	Approved by	Reason(s) for issue	Status
0.1	11/01/2021	HEE	RMG	Checking	Draft
1.1	22/01/2021	HEE	RMG	Approved	Issue

Heritage Way, Brymbo

Arboricultural Method Statement

Site Overview and Operation Sign-Off

This document comprises 5 separate Method Statements together with supporting plans and has been produced to discharge Condition 7 of planning consent BRY P/2020/0059. 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 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 2 months to ensure compliance with the approved protection scheme. Any deviation from the approved scheme will be recorded below 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 WORKS
4. SIGN OFF BY ARBORICULTURAL CONSULTANT
5. LEVEL CHANGE WORKS
6. SIGN OFF BY ARBORICULTURAL CONSULTANT
7. SETTING OUT OF TREE PROTECTION
8. INSTALLATION OF TREE PROTECTION
9. SIGN OFF BY ARBORICULTURAL CONSULTANT
10. REMOVAL OF TREE PROTECTION MEASURES
11. INSTALLATION OF BOUNDARY TREATMENTS
12. LANDSCAPING WORKS
13. FINAL SIGN OFF BY ARBORICULTURAL CONSULTANT

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

Arboricultural Consultant:

Telephone:

| Email:

Tree Works Overview

Date:

Initials:

Level Changes Overview

Date:

Initials:

Tree Protection Overview

Date:

Initials:

Boundary Treatment Overview

Date:

Initials:

Landscaping Overview

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:



KEY

[This drawing must be reproduced in colour]

- T1/G1 Trees and Groups
- Root Protection Area (RPA)
- Application Boundary
- Title Boundary

Tree Quality Categorisation
(Based on BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations)

- Category A
(High quality)
- Category B
(Moderate quality)
- Category C
(Low quality)
- Category U
(Unsuitable for retention)

NOTES:

This drawing should be read in conjunction with the respective Arboricultural Survey Data (Appendix A).

The supplied topographical survey showed approximate tree canopy edges, but no stem locations, therefore all tree locations are estimated using a combination of on-site observations and aerial photography.

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Rev	Description	Drawn	Approved	Date
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TEP

THE ENVIRONMENT PARTNERSHIP

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

Project
Heritage Way, Brymbo
Arboricultural Method Statement

Title
Site Overview and Operation Sign-off

Drawing Number
D8576.001

Drawn	Checked	Approved	Scale	Date
HEE	RMG	RMG	1:2000 @ A3	11/01/2021

Heritage Way, Brymbo

Arboricultural Method Statement

Tree 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.

Compliance with this document is required to discharge Planning Condition 7.
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:

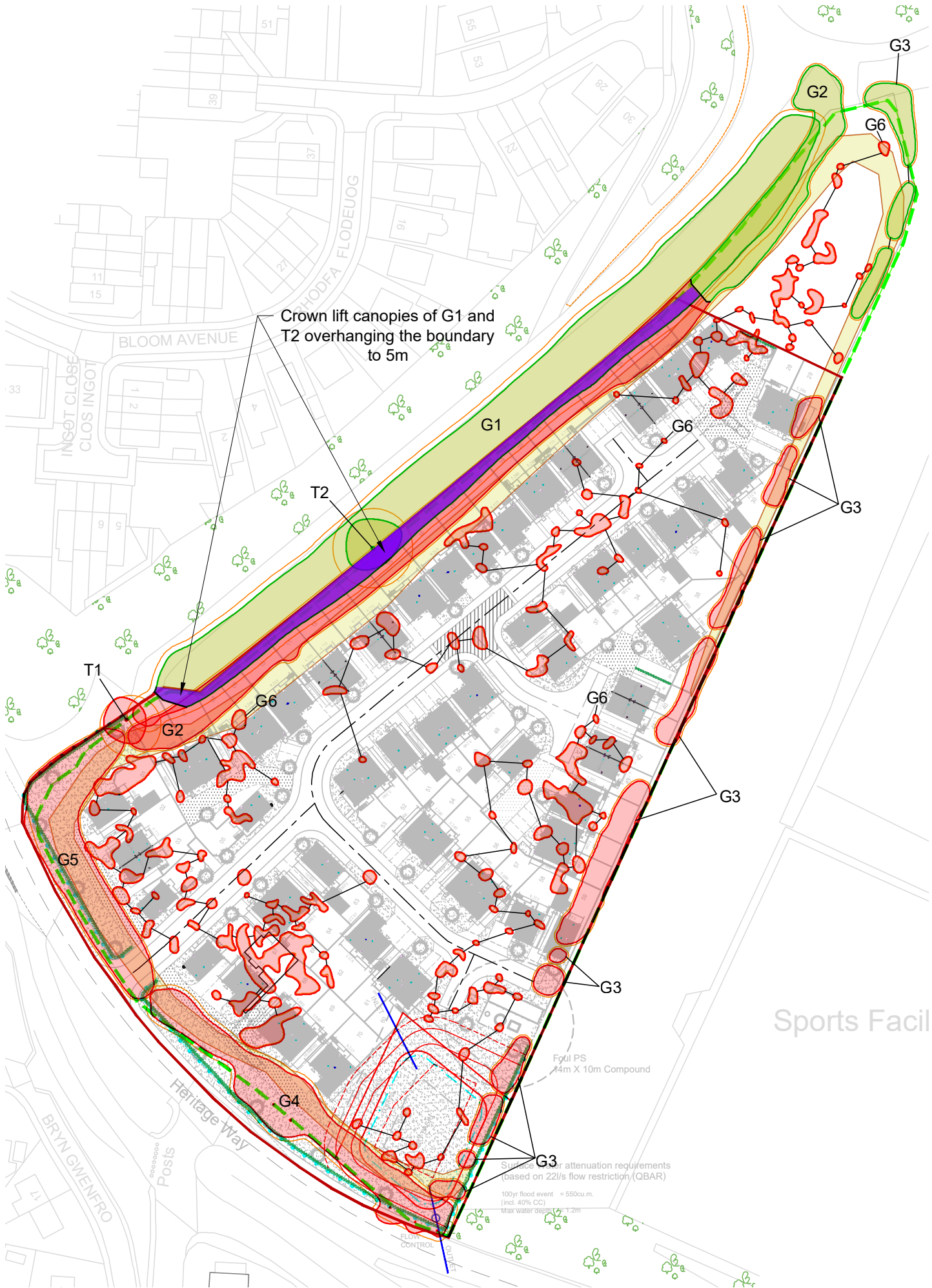
- D8756.001 Site Overview and Operation Sign-off

NESTING BIRD CHECK

- 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.
- Should any nesting birds be found or suspected during the course of the works, the advice for an ecologist will be required. Trees may be marked with spray by the Arboricultural Consultant to assist with identification where necessary.

TREE WORKS

- Trees indicated by a **solid red outline and hatch** on the plan opposite will be removed.
- Trees indicated by a **solid purple hatch** shown opposite will be pruned as annotated on that plan.
- Arisings will not be stored beneath the canopy of retained trees.
- 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 Root Protection Area (calculated as a circle with a radius 12 times the stem diameter).
- Stumps within 5m of retained trees will be ground out or chemically treated and left in-situ (i.e. not excavated or pulled).
- The stumps of removed trees located beneath the canopies of retained trees will be accessed via existing areas of hard-standing or by using temporary boards over the rooting areas of retained trees.
- Where doubt exists over the appropriate treatment of trees, the appointed arboricultural consultant will be contacted prior to acting on assumption.
- The completion of tree works according to this Method Statement will be verified by the appointed arboricultural consultant.



KEY

[This drawing must be reproduced in colour]

- T1/G1 Trees and Groups
- Root Protection Area (RPA)
- Application Boundary
- Title Boundary

Trees to be retained and protected

- Trees to be retained

Proposed tree works

- Trees to be removed
- Retained trees to be crown lifted to 5m

NOTES:

This drawing should be read in conjunction with the respective Arboricultural Survey Data (Appendix A).

The supplied topographical survey shows approximate tree canopy edges, but no stem locations, therefore all tree locations are estimated using a combination of on-site observations and aerial photography.



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Project
Heritage Way, Brymbo
Arboricultural Method Statement

Title
Tree Works Overview

Drawing Number
D8576.002

Drawn	Checked	Approved	Scale	Date
HEE	RMG	RMG	1:1250 @ A3	11/01/2021

Heritage Way, Brymbo

Arboricultural Method Statement

Level Changes Overview

This document describes the process of reducing and raising the ground level to create a level finished surface within the rear gardens of plots 6 to 27 within CEZ close to trees. This activity must be done in accordance with the methodology described by this document. If, for whatever reason, it is not possible to comply with this document, works must cease until the appointed arboricultural consultant has been contacted and an alternative method has been agreed.

Compliance with this document is required to discharge Planning Condition 7. 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:

- D8576.001 Site Overview and Operation Sign-off
- D8576.002 Tree Works Overview

PREPARATORY WORKS

- Following the completion and sign-off of tree works, the Site Manager will arrange for cut and fill works to commence and will organise a date with the arboricultural consultant for the cut works watching brief.
- Cut and fill works adjacent to retained trees will be completed first to allow for tree protection fencing to be erected prior to works continuing. No other construction works will commence prior to the cut and fill and before tree protection measures are installed.
- Vegetation will be strimmed and removed from within the CEZ.
- Cut and fill works will not exceed the level changes shown on the plan opposite.
- Plant machinery will remain outside of the CEZ at all times unless at the instruction of the arboricultural consultant.

LEVEL CHANGE - FILL

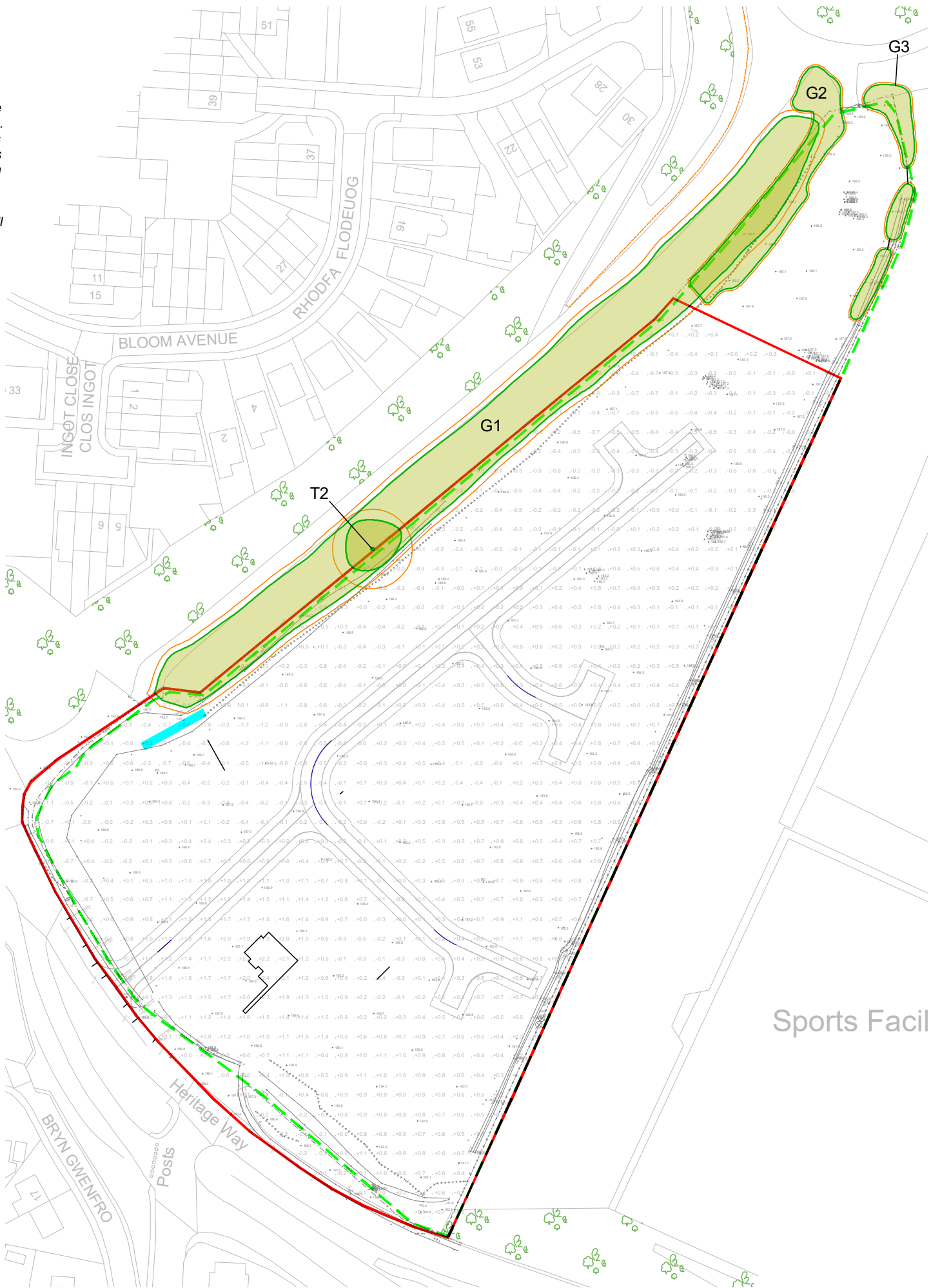
- The infill material will be built up in layers and consolidated according to the engineer's specification.
- The infill material will contain excavated soil from other areas of the site and clean topsoil that will be brought onto site.
- There will be no scraping, excavating or level reduction in the CEZ other than as described below and shown opposite.
- No material for fill works will be stored within the CEZ.

LEVEL CHANGE - CUT

- Level decreases will be completed using an excavator that will be located outside of the CEZ and will only use a non-toothed bucket of either utility or grading specification.
- Excavated material will not be stored within the CEZ of any retained tree.

RETAINING STRUCTURES

- A retaining wall will be installed in the indicative location shown as a **thick cyan line** on the plan opposite. No retaining structures will be located within the CEZ of any retained tree. Should there be any deviation from this methodology when retaining wall locations are finalised, the arboricultural consultant will be contacted and this document updated. Any changes to this agreed method will be approved by the Local Planning Authority prior to start of works.
- There will be no re-profiling or level changes other than the final surface treatment of topsoil and turf on the north-western side of this wall (within the CEZ).
- The completion of the watching brief according to this Method Statement must be verified by the arboricultural consultant.



KEY

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- T1/G1 Retained Trees and Groups
- Root Protection Area (RPA)
- Application Boundary
- Title Boundary
- Retaining Wall Indicative Location



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Project
Heritage Way, Brymbo
Arboricultural Method Statement
Title
Level Changes Overview

Drawing Number
D8576.003

Drawn	Checked	Approved	Scale	Date
HEE	RMG	RMG	1:1250 @ A3	11/01/2021

Heritage Way, Brymbo

Arboricultural Method Statement

Tree Protection Overview

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.

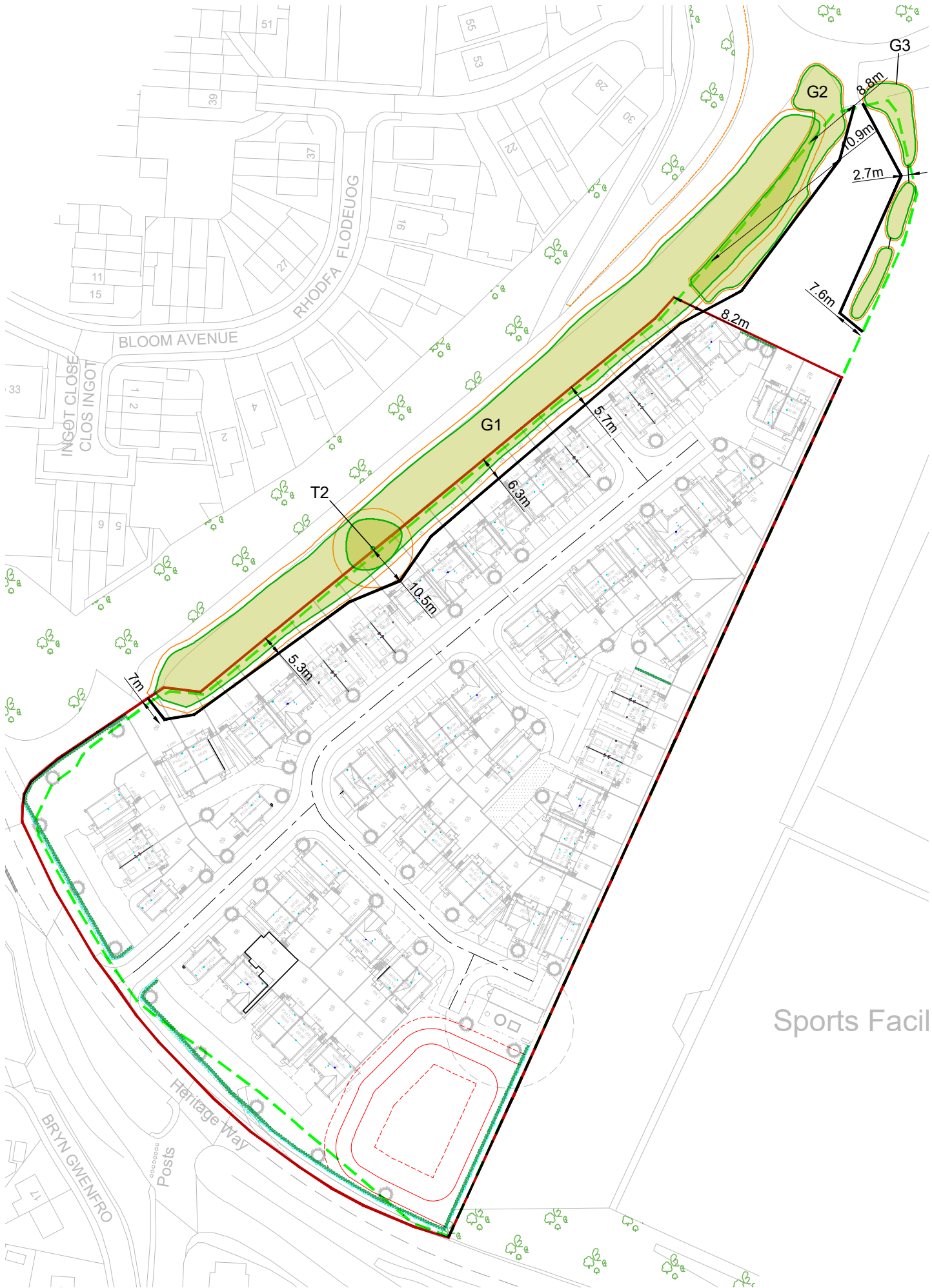
Compliance with this document is required to discharge Planning Condition 7. The detail and requirements of this Method Statement must inform the production of all relevant tender documents and instructions to contractors.

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

- D8576.001 Site Overview and Operation Sign-off
- D8576.002 Tree Works Overview
- D8576.003 Level Changes Overview
- TEP.ARB.FEN.001 Temporary Tree Protection Fencing Specification

TREE PROTECTION FENCING

- Following the completion and sign-off of cut and fill works adjacent to retained trees, the Site Manager will arrange protection fencing to be installed.
- The alignment of fencing, shown on the plan opposite as a **thick black line**, will be set out by a topographical surveyor using wooden pegs as shown opposite. 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.
- A contractor will be engaged to install the tree protection.
- Fencing will be installed according to the specification shown in APPENDIX C (Ref: TEP.ARB.FEN.001). A large pdf of the sign to be laminated and affixed to alternate panels is appended to this document.
- Tree protection will remain in situ for the duration of the construction.
- The installation and maintenance of tree protection measures according to this Method Statement will be verified by the appointed arboricultural consultant.
- The fencing will be subject to 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.



KEY

[This drawing must be reproduced in colour]

- T1/G1 Retained Trees and Groups
- Root Protection Area (RPA)
- Application Boundary
- Title Boundary
- Retaining Wall Indicative Location
- Tree Protection Fencing (c. 317m or 91 Heras Panels) (Must be installed prior to works commencement)



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Project	Heritage Way, Brymbo
Title	Arboricultural Method Statement
	Tree Protection Overview

Drawing Number	D8576.004
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Drawn	Checked	Approved	Scale	Date
HEE	RMG	RMG	1:1250 @ A3	11/01/2021

Heritage Way, Brymbo

Arboricultural Method Statement

Boundary Treatment Overview

The approved layout necessitates the installation of permanent fences within the CEZ and Root Protection Area of retained trees. This can be achieved, provided that the following method is observed.

Compliance with this document is required to discharge Planning Condition 7.
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:

- **D8576.001 Site Overview and Operation Sign-off**
- **D8576.002 Tree Works Overview**
- **D8576.003 Level Changes Overview**
- **D8576.004 Tree Protection Overview**

BOUNDARY TREATMENT

- Following the completion of construction works, tree protection measures will be removed and the installation of boundary fences will commence.
- The following restrictions and observations will apply to all fences that are highlighted with a **thick blue line** on the plan opposite. All fences will be designed such that no new fence post is installed within 2m of any tree. This may necessitate spanning timbers or variation in post spacing.
- Boundary fencing to be replaced will use existing post holes wherever possible.
- New post holes will be dug by hand and roots found will be treated as per the following Root Pruning method:

No roots - Continue without constraint

Minor roots (Up to 10mm diameter) - Continue to monitor

Moderate roots (11 to 24mm diameter) - Prune roots neatly

Major roots (25mm diameter and above) - Backfill and relocate post hole
- Where minor and 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.
- Post holes will be lined to prevent contact between wet concrete and soil.
- An air gap will be maintained at the base of all fences.
- Temporary ground protection will be laid around working areas to prevent soil compaction.
- The installation of boundary treatments according to this Method Statement will be verified by the appointed arboricultural consultant as part of the final sign-off of operations.



KEY

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- T1/G1 Retained Trees and Groups
- Root Protection Area (RPA)
- Application Boundary
- Title Boundary
- Boundary Treatments



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Project
Heritage Way, Brymbo
Arboricultural Method Statement
Title
Boundary Treatment Overview

Drawing Number
D8576.005

Drawn	Checked	Approved	Scale	Date
HEE	RMG	RMG	1:1250 @ A3	11/01/2021

Landscaping Overview

This document describes the parameters for the installation of soft landscaping throughout the site. If, for whatever reason, it is not possible to comply with this document, works must cease until the appointed arboricultural consultant has been contacted and an alternative method has been agreed.

Compliance with this document is required to discharge Planning Condition 7.
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:

- ***D8576.001 Site Overview and Operation Sign-off***
- ***D8576.002 Tree Works Overview***
- ***D8576.003 Level Changes Overview***
- ***D8576.004 Tree Protection Overview***
- ***D8576.005 Boundary Treatment Overview***

SOFT LANDSCAPING

1. Following completion of all other works and unless otherwise directed, all tree protection measures will be removed.
2. All landscaping works within the areas shown on the plan opposite as a **solid blue hatch** will be completed according to the following restrictions.
 - 2.1. Ground boards will be laid for all required pedestrian access.
 - 2.2. No level changes will be permitted other than that describe by AMS Levels Changes Overview (D8576.003).
 - 2.3. Soils may be mulched, turfed or seeded but not paved.
 - 2.4. No rotavation will be permitted.
 - 2.5. All planting will be done by hand and with regard for the location of large roots (greater than 10mm diameter). Planting locations will be micrositied to avoid large roots where possible and no roots larger than 25mm will be severed.
 - 2.6. There will be no excavation, installation of permanent surfaces or structures, and no use of wet cementitious products within any root protection area.
 - 2.7. Any membranes must be pervious to water and gaseous exchange.
 - 2.8. Any woodchip must be composted for a minimum period of 12 months.



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-  T1/G1 Retained Trees and Groups
-  Root Protection Area (RPA)
-  Application Boundary
-  Title Boundary
-  Soft Landscaping



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Project

Heritage Way, Brymbo
Arboricultural Method Statement

Title

Landscaping Overview

Drawing Number

D8576.006

Drawn HEE	Checked RMG	Approved RMG	Scale 1:1250 @ A3	Date 14/01/2021
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THE
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APPENDIX A: Arboricultural Data Sheets



Surveyor Heather Eilbeck
 Survey Date 18.12.2020
 Site Lagoons Development Area, Brymbo
 Drawing Ref D8576.001

APPENDIX A: Arboricultural Survey Data Sheets

Italicised Feature Ref: Inspection of this feature was restricted
Italicised Values: Feature value was estimated

Ref	Species	Height	Canopy Ground Clearance	Stem Diameter (or range)	No. of stems/ individuals	Crown Spread North	Crown Spread South	Crown Spread East	Crown Spread West	Lowest Branch Height	Lowest Branch Direction	Maturity	Condition	Comments on form, condition, health and significant defects	Management recommendations in current context	BS 5837 Quality Category	Estimated Remaining Contribution
		(m)	(m)	(mm)	arising below 1.5m	(m)	(m)	(m)	(m)	(m)	(N,S,E,W)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran			A,B,C,U (1,2,3)	Long, Medium, Short, Very Short
Trees																	
T1	Sycamore	13.0	1.0	649	13	6.0	6.5	5.0	6.0	0.5	E	Mature	Good	Large on-site tree near top of bund. Basally multi-stemmed with crossing and rubbing stems and tight unions. Minor deadwood. Westernmost stem grows along floor and has atypical form with a very thin commencement point that significantly widens after 1m and grows through adjacent fence with subsequent wounding and reaction wood.		B ,1, 2	Long
T2	Sycamore	15.0	1.0	850	1	8.0	5.0	8.5	7.0	0.5	NE	Mature	Good	Mature specimen immediately adjacent to boundary fence on bund to west of site. Third party. Multi-stemmed at circa 1.7m, unions appear fairly tight although ivy and lack of access restricting inspection. Minor deadwood. Slightly suppressed form to south due to proximity of adjacent trees. Slight lean to north-east. Large significant branch close to base that heavily overhangs and leans on top of palisade fence with subsequent wounding and reaction wood.		A ,1, 2	Long
Groups																	
G1	Sycamore, Common hawthorn, Common ash, Pedunculate oak, Dog rose, Elder	2 to 15	0.5	75 to 450	200							Middle Age	Good	Linear group located on steep bund on north-western boundary. Predominantly ash with some larger oaks and occasional sycamore. Majority of trees outside of fenceline. Some heavily ivy clad stems. Occasional failed branches and stems evident overhanging fence. Some dead ash stems with Inonotus hispidus fruiting bodies evident. Tall narrow forms. Significant screening and landscape feature.		B ,2	Long
G2	Silver birch, Common hawthorn, Dog rose, Goat willow, Elder	2 to 5	0.0	50 to 120	200							Young to Middle Age	Good	Linear group of self-set trees, predominantly birch and willow, spanning north-western boundary forming understorey for larger adjacent trees. Some located on bund.		C ,2	Long
G3	Silver birch, Butterfly bush species, Common hawthorn, Common ash, Goat willow	2.5 to 4.5	0.0	75 to 300	150							Young to Middle Age	Good	Linear group spanning northern and south-eastern boundary. Predominantly multi-stem willows that are in dense clusters. Some trees along south-eastern boundary are growing out of small rubble bund, possibly a drainage channel. Screening value.		C ,2	Long
G4	Sycamore, Silver birch, Common hawthorn, Common ash, Goat willow	2.5 to 8	0.0	60 to 300	50							Young to Middle Age	Good	Linear group adjacent to boundary fence and road. Densely populated and closely spaced. Some larger ash trees on south side of group adjacent to road. Stems rubbing on fence with associated wounding and reaction wood growth. Minor dieback and associated deadwood in ash trees.		B ,2	Long
G5	Silver birch, Goat willow	2 to 6	0.0	50 to 150	200							Young to Middle Age	Good	liners boundary group adjacent to roadside parking area. Densely populated and closely spaced self-set trees. Trees at western end of group on northerly sloping bund. Some recent branch failures, likely caused by mechanical damage. Japanese knotweed in group in westernmost corner.		C ,2	Long
G6	Silver birch, Scots pine, Goat willow, Crack willow	1.5 to 4	0.0	30 to 100	200							Young to Middle Age	Good	Scattered sporadic self-set trees across site. Majority are multi-stemmed. Some small Scots pine in western corner of site, group is predominantly birch and goat willow.		C ,2	Long



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APPENDIX B: Survey Method

APPENDIX B: Survey Method

The survey of trees is conducted from ground level only. The nature of the soils on site is not assessed.

Trees are dynamic living organisms with a constantly changing structure; even trees in good condition can suffer from damage or stress. The information recorded is presented as being correct at the time of survey.

The following features of each tree, group of trees or wood may have been recorded in the Arboricultural Survey Data Sheets at Appendix 1.

Species	The common name is given. The Latin name may also be given if further clarification is required.	
Height	Top height of tree recorded in metres.	
Stem Diameter	For single-stemmed trees the measurement is taken at 1.5 metres above ground level and recorded in millimetres. For multi-stemmed trees an average all stems measured at 1.5m above ground level is used. For tree groups a range from minimum to maximum diameters is provided based on measurements taken using one of the aforementioned methods.	
No. of Stems	A count of stems arising below a height of 1.5 metres.	
Crown Spread	The N, S, E and W branch spreads are recorded in metres to provide a representative crown shape.	
Height of Lowest Branch	Crown clearance above ground level recorded in metres.	
Direction of Lowest Branch	The direction of growth of the first significant branch from the point of attachment.	
Maturity	Young	Trees that can reasonably be relocated or replaced like for like, without undue cost;
	Middle Age	Trees in the established growth stage of their life with the potential to continue increasing in size;
	Mature	Trees that have reached their ultimate size, given their location and surroundings;
Condition	Good, Fair, Poor. An overall assessment of a tree's physiological and structural state in which factors that may increase its susceptibility to the effects of development are taken into account. Veteran. Trees that are in such a condition as to significantly increase their biological, cultural or aesthetic value. This is characteristic of, but not exclusive to, individuals surviving beyond the typical age range for the species concerned.	
Comments	A brief evaluation and description of the tree with comments on form, vitality, health and any significant defects or symptoms of ill-health.	

BS 5837 Tree Quality Assessment

The tree quality assessment is based on Table 1 of BS 5837:2012 (See below). Four categories (A, B, C and U) are used to denote tree quality (A= High, B = Moderate, C = Low, U= Unsuitable for retention). Subcategories (1-3) denote the specific function value of the trees and the reasoning behind the allocation of a specific category (the subcategories may be used in combination but do not accumulate collective weight).

Root Protection Area (RPA)

The RPA is allocated to ensure that a sufficient area is left undisturbed during development. It is provided as an area (m²) and as the radius of a circle (m) typically plotted from the centre of the stem.

The RPA is calculated using a mathematical equation included in BS 5837:2012 (Section 4.6 and Table D.1) and is based on a tree's stem diameter. In some cases the RPA may need to be adapted to best reflect the likely area and position of roots required to ensure survival; this may be based on criteria such as the tree's condition, species, crown spread and any barriers to growth. Any alteration must be justifiable but is made at the Arboricultural Consultants discretion.

Recommendations

Recommendations for arboricultural works, etc. are based on the **current** land use, and take into account the tree or group attributes without bias to the proposed development.

Estimated Remaining Contribution

An estimation of the life expectancy as healthy functioning tree. This will be influenced by species and the condition of the tree at the time of survey.

Long	> 40 years
Medium	20 – 40 years
Short	less than 20 years

APPENDIX B: Survey Method

Table 1 Cascade chart for tree quality assessment

Category and definition	Criteria (including subcategories where appropriate)			Identification on plan
Trees unsuitable for retention (see Note)				
Category U Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years	- Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) - Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline - Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality <i>NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7.</i>			See Table 2
	1 Mainly arboricultural qualities	2 Mainly landscape qualities	3 Mainly cultural values, including conservation	
Trees to be considered for retention				
Category A Trees of high quality with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	See Table 2
Category B Trees of moderate quality with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation or other cultural value	See Table 2
Category C Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value	See Table 2

British Standards Institute (2012) BS5837:2012 Trees in relation to design, demolition and construction – Recommendations.
p.9

NOTES:

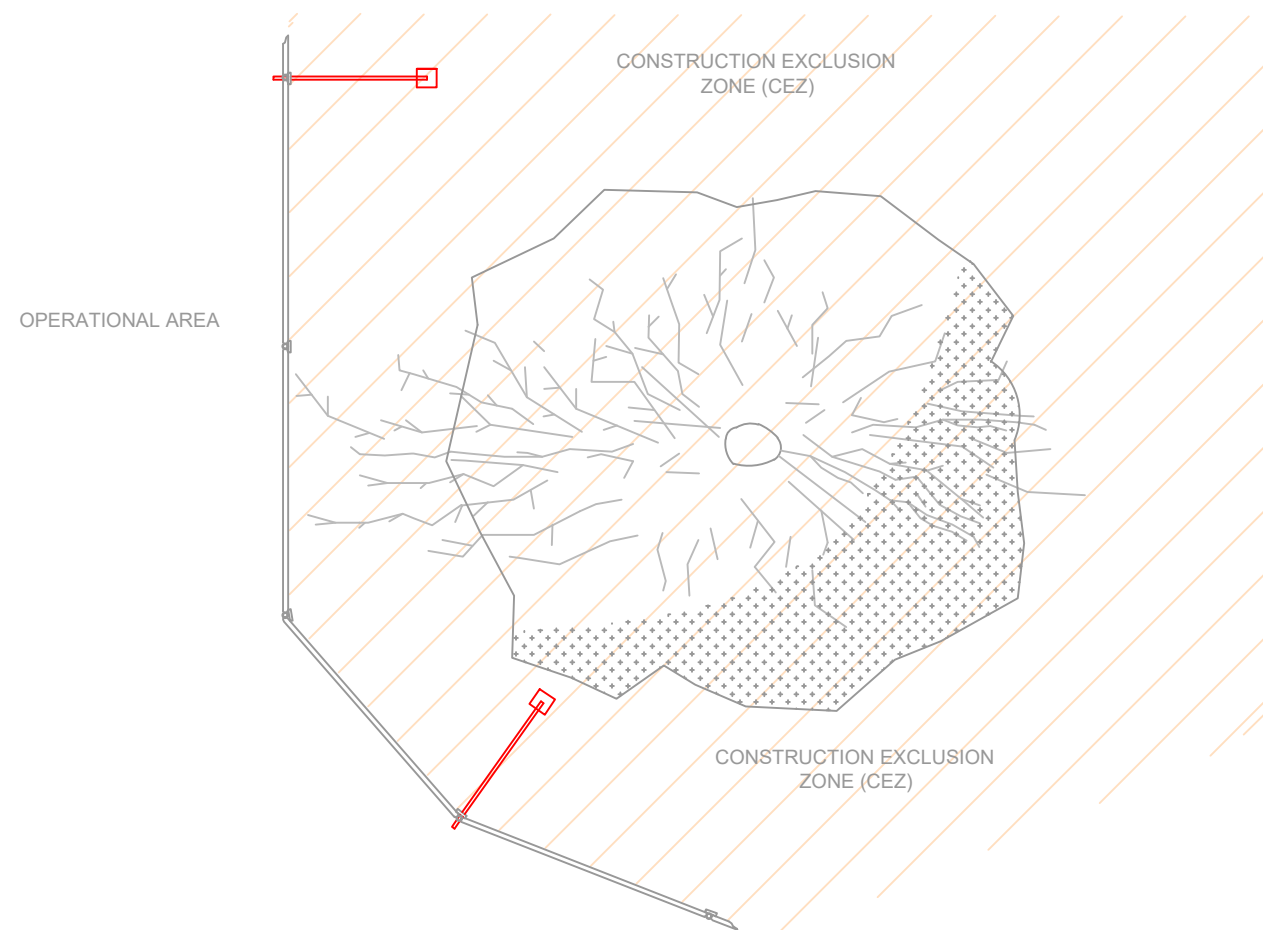
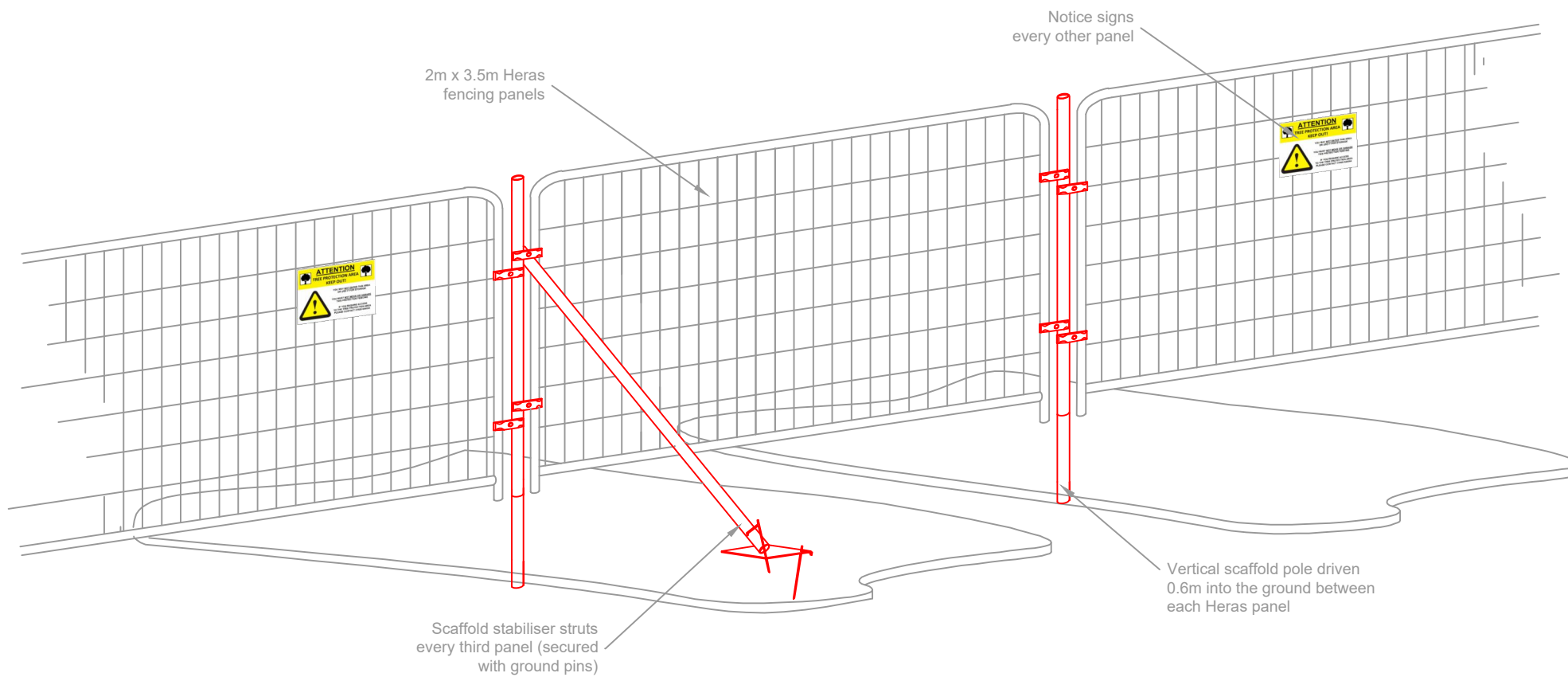
All young trees are assessed as quality category 'C' but this does not preclude their retention within a development.

For hedges the height, canopy spread and number of stems is recorded but they are not assigned a quality category.



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APPENDIX C: Specification Drawings



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:

Rev	Description	Drawn	Approved	Date
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TEP

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

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

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