JAMES BLAKE ASSOCIATES

Arboricultural Method Statement

Haverhill Relief Road

On behalf of

Persimmon Homes Suffolk

2 March 2021

JBA 17/364 AR01 Rev I

Over 30 Years of Service, Value and Innovation

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Project	Haverhill Relief Road
Report	Arboricultural Method Statement
Date	2 March 2021
Author	Simon Smith *TechArborA*
Checked by	Peter Brais *BSc TechArborA*

CONTENTS PAGE

1 SUMMARY

1.1 This Arboricultural Method Statement (AMS) has been commissioned by Persimmon Homes Suffolk to ensure retained trees and vegetation are adequately protected during the enabling, demolition and construction activities and to satisfy the requirements of planning condition A4 of planning application SE/09/1283.

1.2 This report has been prepared in accordance with British Standard 5837: Trees in relation to design, demolition and construction – Recommendations (2012) and The National Joint Utilities Group (NJUG) Guidelines for the planning, installation and maintenance of utility apparatus in proximity to trees Volume 4 Issue 2 (2007). These documents provide best practice advice, assessment and guidance to ensure the protection of trees and significant vegetation on development sites.

1.3 In order to successfully work in close proximity to trees, the methods described within this document should only be carried out in conjunction with the direct appointment of a qualified arboricultural consultant. Failure to implement the approved tree protection measures and procedures could lead to enforcement action, the destabilisation of trees and/or the ultimate death of the trees.

Definitions

1.4 Construction Exclusion Zone (CEZ) – a fenced off area based upon the root protection area that is prohibited for the duration of a project (unless subject to supervised works)

1.5 Root Protection Area (RPA) – a layout design tool indicating the minimum area around a tree containing sufficient roots to maintain a trees viability.

1.6 Supervised works – demolition or construction works that require specific arboricultural advice and supervision to prevent damage from occurring.

Scope

1.7 This method statement addresses the following;

- Tree removals
- Tree protection specifications and requirements
- Supervision requirements
- Construction methodologies
- Landscaping works

2 LIMITATIONS

2.1 Trees are dynamic, living organisms whose health and condition can change quickly. Any changes to a tree, or to trees and the land surrounding it, may affect the tree's condition and/or stability. If any such changes occur further examination would be required and may affect the validity of this report.

2.2 The survey is not intended to be a detailed tree hazard assessment. Where significant faults that pose an immediate risk to persons or property are observed recommendations will be made; however the lack of any management recommendations within the survey schedule does not infer that a detailed health and safety assessment has been made and it is recommended that a formal management and inspection plan is considered.

3 GENERAL TREE PROTECTION MEASURES

3.1 No fires will be permitted within 20m of the crown of any tree.

3.2 No alterations in soil levels other than those already agreed will occur within the Construction Exclusion Zone (CEZ) without prior agreement from the appointed arboricultural consultant.

3.3 No materials, vehicles, plant or personnel will be permitted into the CEZ at any time without prior consent from the arboricultural consultant.

3.4 Any liquid materials spilled on site will be immediately cleared up and removed from the site. If liquid fuel or cement products are spilled within 2m of the tree protection zone, the contractor will report the incident to the arboricultural consultant immediately.

3.5 The contractor will report any damage to trees or shrubs, whether caused by construction activities or from any other cause, to the arboricultural consultant immediately.

4 TREE WORKS

4.1 A list of all approved and recommended tree removals can be found in the Tree Work schedule at Appendix 1 and are shown on the tree removal plans JBA 17/364 TR01 - TR04 Rev G at Appendix 2.

4.2 Only tree works specified within this document or that have consent from the Local Planning Authority will be carried out. Any uncertainty regarding tree surgery or removal works will require confirmation from the appointed arboricultural consultant and local authority tree officer.

4.3 All tree works will be carried out in accordance with the recommendations made within the current BS3998 (2010).

Wildlife and habitat legislation

4.4 All tree work will be carried out in accordance with the Wildlife and Countryside Act 1981 (as amended) and the Habitat Regulations 2010 regarding bats, and the Wildlife and Countryside Act 1981 (as amended) regarding birds. Any works carried out should work in conjunction with the construction and environmental management plan with regards to timing. Where site clearance or tree works are required a suitably qualified ecologist should undertake the necessary surveys prior to works commencing.

4.5 These regulations make it an offence to;

- intentionally or deliberately kill, injure or capture protected species;
- deliberately disturb protected species;
- damage, destroy or obstruct access to a structure used for shelter or protection by a protected species;
- take, damage, disturb or destroy the nest of any wild bird while it is in use or being built;
- take or destroy the egg of any wild bird; or
- damage, destroy or obstruct access to bat roosts whether or not bats are using roosts at the time.

4.6 All tree works should ideally be carried out between the months of September and February, to avoid the bird breeding season (considered to be March 1st to August 31st inclusive). If this is not possible (and in order to avoid unintentionally committing a wildlife crime), any trees or vegetation that are earmarked to be removed should be subject of a breeding bird assessment, carried out by a Suitably Qualified Ecologist, no more than 48 hours ahead of the commencement of works onsite.

4.7 Prior to the commencement of works the tree surgery contractor has a legal duty to ensure no protected species or habitats are present. If any species or habitats are discovered then works will cease and a suitably qualified ecologist will be employed to carry out more detailed surveys and to provide advice, including translocating species such as hedgehogs.

5 TREE PROTECTION

Protective fencing specification

5.1 Tree protective fencing will be installed prior to any enabling works, demolition or construction activity commences.

5.2 The tree protective fencing will be installed first, followed by fencing to form the relief road site boundary (the latter comprising Heras fencing or equivalent).

5.3 The position of tree protective fencing is shown on drawings JBA 17/364 TP01 - TP04 Rev G at Appendix 2.

5.4 The location of the relief road site boundary fencing is shown on Persimmon Homes Site Boundary fencing plan 039-E-SK50 Rev B at Appendix 3.

5.5 Tree protective fencing will be constructed of weld mesh panels securely fixed to a static framework fit for the purpose of excluding construction traffic (Figure 2). This fencing should be utilised across the site and alternative fencing (Figure 3: Heras fencing or equivalent with stabilizer struts) placed only where it is not possible to meet this specification.

5.6 The protective fencing specification in Figure 2 will be the primary option, but prior to fence erection each area will be reviewed to determine if fencing as per Figure 3 is required instead of that shown in Figure 2.

5.7 The fencing specifications are shown at Appendix 4.

5.8 Fencing will be erected at least 4m from hedges and at least 15m from the edge of Norney Plantation (W5). It will also be erected along the southern boundary of the County Wildlife Site (located between H34 and G41).

5.9 All weather signage will be securely fixed to panels at regular intervals stating the purpose of the fencing and contact details of the arboricultural consultant. A suggested sign can be found at Appendix 5 and may be copied for use on site.

5.10 Upon completion of tree protection, the site manager will invite the arboricultural consultant to inspect and sign off the specification and position of all tree protection.

5.11 Once installed, protective fencing will remain in position for the duration of the project or until it requires removal to a specified alternative position to allow for works.

6 SUPERVISION REQUIREMENTS

6.1 The arboricultural consultant will be available for ongoing advice and design input to ensure works close to trees is avoided or correctly specified.

6.2 Any works that could impact upon retained trees will be supervised and monitored by the arboricultural consultant. It is suggested that as a minimum supervision visits will occur as follows;

- Pre-commencement site meeting with project manager to discuss tree protection, tree works and programme, including any works within Root Protection Areas.
- Site visit to mark out accurately the areas of vegetation to be cleared, or check marking out areas undertaken by site staff
- Meeting with tree contractor to specify and supervise tree works
- Meeting with protective fencing contractor prior to installation of fencing.
- Site visit once tree protective fencing has been installed to ensure the panels are in the correct positions.
- Site visit if at any point the tree protective requires moving or is adjusted.
- Site visits to supervise any works within Root Protection Areas

7 CONSTRUCTION

Manual excavation within RPAs

The relief road layout has been designed to avoid incursion into RPAs where possible. It is anticipated manual excavations within RPAs will be minimal during the road construction and other operations like service installation, drainage works, path construction. This section refers to areas where excavations will be required within Root Protection Areas:

- Fence postholes: G22, H44
- Kerb construction: H34, G37
- Culvert works: G40
- Path construction: H44

7.1 All works within Root Protection Areas (RPAs) will be carried out under the direct supervision of the appointed arboricultural consultant (JBA).

7.2 No site personnel will enter these areas until a representative from JBA is present.

7.3 If required a section of protective fencing will be temporarily removed to provide access to the required area.

7.4 Where necessary, the appointed arboricultural consultant will specify the location of temporary ground protection and the level of protection required.

7.5 Excavations will be carried out manually using appropriate hand tools OR using an air lance to expose tree roots.

7.6 No machinery will be permitted into the working area unless agreed by the arboricultural consultant.

7.7 All excavated spoil will be manually removed from the area or placed on temporary ground protection to be used for back filling upon completion.

7.8 All roots in excess of 25mm in diameter and all clumps of fibrous roots greater than 25mm in diameter will be retained and wrapped in dry hessian during the works to prevent desiccation.

7.9 Roots less than 25mm may be pruned by the arboricultural consultant where deemed essential to complete works.

7.10 Root pruning will only be carried out by the arboricultural consultant, using sharp, sterile tools suitable to the size of the root to be cut. Where possible roots will be pruned cleanly back to a side branch.

7.11 Prior to backfilling any hessian wrapping will be removed from retained roots.

7.12 The roots will then be surrounded with topsoil, sharp sand (builders' sand will not be used due to its high salt content) or other loose inert granular fill, before soil or other medium is replaced. This material should be uncontaminated and free from injurious objects.

7.13 Temporary ground protection will be removed in a backwards direction away from the tree so as always to be positioned on protection and not on unprotected ground.

7.14 Once the work area is cleared of ground protection the recently backfilled spoil will be watered and the removed section of protective fencing reinstalled.

8 LANDSCAPING

8.1 Prior to works commencing the appointed arboriculturist will meet with the landscape contractor to discuss and agree the appropriate methodology to be used.

8.2 The Landscape contractor will provide a detailed method statement for the arboriculturist's approval before works start. This method statement will detail the following;

- Tree Protection
- Cultivation within RPAs
- Planting methodology
- Soil levels
- Machinery and tools
- Delivery of materials
- Ground protection requirements
- Hard landscape implementation

Principles of landscaping beneath trees

8.3 Landscaping beneath retained trees will be carried out by hand wherever possible, and will not involve the use of heavy machinery.

8.4 Soil levels will not be altered without prior approval from the appointed arboriculturist or planning authority.

8.5 Cultivation of areas beneath trees will be carried out manually only preparing the top 100mm of soil.

8.6 Where larger planting pits and greater depths are required these will be individually excavated retaining all roots greater than 25mm in diameter. Any retained roots will be wrapped in dry hessian until the pit is back filled.

APPENDIX 1: TREE WORKS SCHEDULE

Tree Works Schedule

Site name: Haverhill Relief Road
Client: Persimmon Homes Suffolk
Job Number: 17-364

Survey Date: 14/12/2017
Surveyor: Adam Dayman

Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	ERC (Years)	BS Cat	Radii Single Stem (m)	RPA (m)
						N	E	S	W							
T1	Ash (Fraxinus excelsior).	M	805	13	1	6.5	6.5	6.5	6.5	Fair	Minor deadwood observed. Major deadwood observed. Branch tearout visible. Branch stubs. Crossing and rubbing branches. Multi stemmed from base. Low crown. Open even crown. Former coppice stool, situated on eastern side of ditch, woodpecker holes in deadwood	**Remove**	20+	B1,B2	9.7	293
G2	Ash (Fraxinus excelsior). Field Maple (Acer campestre). Hawthorn (Crataegus monogyna). Alder (Alnus glutinosa). Blackthorn (Prunus spinosa). Dogwood (Cornus sanguinea).	SM	141	5	1	2	2	2	2	Fair	Unmaintained hedgerow. Dense bramble throughout. Field boundary hedgerow. Dense undergrowth at base. Intermittent hedgerow with gaps present throughout.	**Remove section south of T1**	10+	C2	1.7	9
G3	Ash (Fraxinus excelsior). English Oak (Quercus robur). Field Maple (Acer campestre). Goat Willow (Salix caprea). Hawthorn (Crataegus monogyna). Blackthorn (Prunus spinosa). Dogwood (Cornus sanguinea). Guelder rose (Viburnum opulus)	SM	100	5	1	1	1	1	1	Fair	Typical crown form with no obvious major defects. Buffer group between site and surrounding area. Dense undergrowth. Dense bramble throughout. Linear tree group. Mixed native species group.	**Remove**	20+	C2	1.2	5
H4	Hawthorn (Crataegus monogyna). Blackthorn (Prunus spinosa).	EM	212	5	1	2	2	2	2	Good	Maintained hedgerow. Field boundary hedgerow. Dense undergrowth at base. Wild rose present, good habitat providing an ecological corridor	**Remove two sections: remove a 35m long section within its southernmost length, and remove an 12m long section at its south eastern corner.**	20+	C2	2.5	20
H7	Ash (Fraxinus excelsior). English Oak (Quercus robur). Hawthorn (Crataegus monogyna). Blackthorn (Prunus spinosa). English Elm (Ulmus procera).	SM	150	6	2	3	3	3	3	Fair	Maintained hedgerow. Dense bramble throughout. Field boundary hedgerow. Dense undergrowth at base.		20+	C2	1.8	10
T8	English Oak (Quercus robur).	M	800	14	5	6	6	6	6	Fair	Major deadwood observed. Branch tearout visible. Branch stubs. Dense undergrowth at base. Good vitality and vigour.		40+	B1,B2	9.6	290

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Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	ERC (Years)	BS Cat	Radii Single Stem (m)	RPA (m)
						N	E	S	W							
T9	English Oak (Quercus robur).	SM	550	8	5	4.5	4.5	4.5	4.5	Fair	Typical crown form with no obvious major defects. Minor deadwood observed. Branch stubs. Dense undergrowth at base.		20+	C2	6.6	137
G22	Hawthorn (Crataegus monogyna). Blackthorn (Prunus spinosa).	SM	141	5	1	2	2	2	2	Fair	Unmaintained hedgerow. Dense bramble throughout. Field boundary hedgerow. Dense undergrowth at base. Intermittent hedgerow with gaps present throughout.	**Remove 39m long section within the centre of the hedge to accommodate the road layout**	10+	C2	1.7	9
T33	English Oak (Quercus robur).	SM	380	7	3	4	4	4	4	Good	Typical crown form with no obvious major defects. Minor deadwood observed. Dense undergrowth at base. Good vitality and vigour.		20+	C1,C2	4.6	65
H34	Hawthorn (Crataegus monogyna). Blackthorn (Prunus spinosa).	EM	212	3	1	1.5	1.5	1.5	1.5	Good	Maintained hedgerow. Field boundary hedgerow. Dense undergrowth at base.	**Remove the southernmost 54m long section of the hedge to accommodate the road layout.**	20+	C2	2.5	20
T35	English Oak (Quercus robur).	SM	520	7	3	4	4	4	4	Good	Typical crown form with no obvious major defects. Minor deadwood observed. Dense undergrowth at base. Good vitality and vigour.		20+	B1,B2	6.2	122
T36	Ash (Fraxinus excelsior).	SM	385	8	2.5	4	4	4	4	Fair	Minor deadwood observed. Co dominant from base. Dense undergrowth at base. Dense ivy on main stem.		10+	C2	4.6	67
G37	Hawthorn (Crataegus monogyna). Blackthorn (Prunus spinosa).	EM	212	3	1	1.5	1.5	1.5	1.5	Good	Maintained hedgerow. Field boundary hedgerow. Dense undergrowth at base.	**Remove the easternmost 34m long section of the hedge to accommodate the road layout and drainage works.**	20+	C2	2.5	20

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Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	ERC (Years)	BS Cat	Radii Single Stem (m)	RPA (m)
						N	E	S	W							
T39	Common Hazel (Corylus avellana).	SM	237	5	0.5	4	4	3.5	3.5	Good	Not identified on the topographical survey. Unable to fully inspect - vegetation. Stem diameter estimated. Typical crown form with no obvious major defects.	**Remove**	10+	C1	2.8	25
G40	Goat Willow (Salix caprea). Hawthorn (Crataegus monogyna). Blackthorn (Prunus spinosa).	SM	150	5	1	2	2	2	2	Fair	Unmaintained hedgerow. Dense bramble throughout. Field boundary hedgerow. Dense undergrowth at base. Intermittent hedgerow with gaps present throughout.	**Remove the northernmost 16m long section of the hedge.**	10+	C2	1.8	10
G41	Goat Willow (Salix caprea). Hawthorn (Crataegus monogyna). Blackthorn (Prunus spinosa).	SM	150	5	1	2	2	2	2	Fair	Unmaintained hedgerow. Dense bramble throughout. Field boundary hedgerow. Dense undergrowth at base. Intermittent hedgerow with gaps present throughout.	**Remove the southernmost 6m long section of the hedge.**	10+	C2	1.8	10
H42	Goat Willow (Salix caprea). Hawthorn (Crataegus monogyna). Blackthorn (Prunus spinosa).	SM	150	5	1	2	2	2	2	Fair	Unmaintained hedgerow. Dense bramble throughout. Field boundary hedgerow. Dense undergrowth at base. Intermittent hedgerow with gaps present throughout.		10+	C2	1.8	10
H44	Field Maple (Acer campestre). Hawthorn (Crataegus monogyna). Blackthorn (Prunus spinosa).	EM	212	3	1	1	1	1	1	Good	Maintained hedgerow. Dense bramble throughout. Field boundary hedgerow. Dense undergrowth at base.	**Remove two sections: a 37m long section within the centre of the hedge to accommodate the road layout, and the southernmost 13m long section to accommodate culvert construction**	20+	C2	2.5	20
T45	Ash (Fraxinus excelsior).	M	650	13	3	4.5	4.5	4.5	4.5	Good	Typical crown form with no obvious major defects. Minor deadwood observed. Good vitality and vigour.		20+	B1,B2	7.8	191

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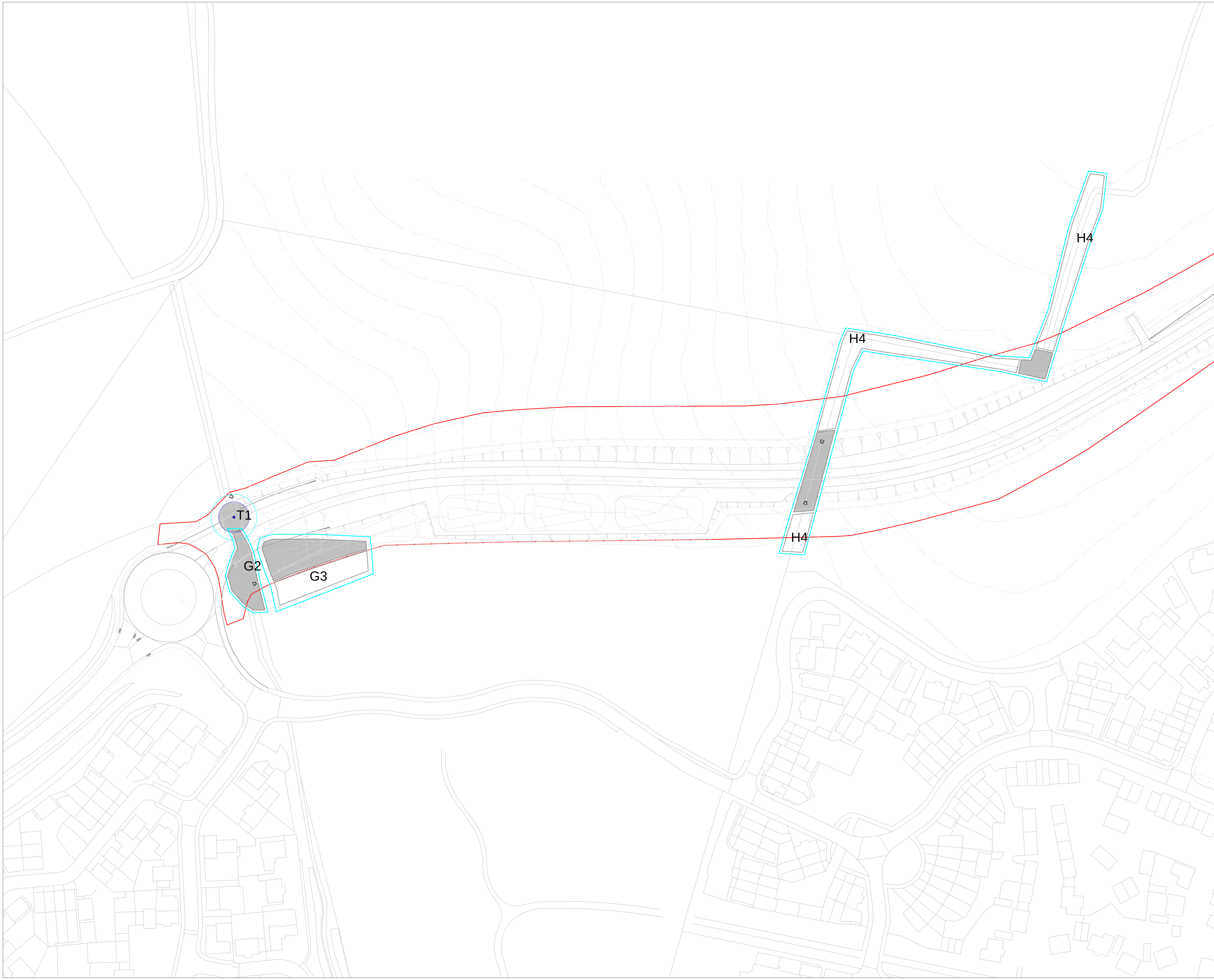
APPENDIX 2: JBA DRAWINGS



KEY

⊙ T1	Category B - Tree of moderate quality and value.
⊙ T1	Category C - Tree of low quality and value.
⬚	Existing hedge or group. Colour coded as above in accordance with BS 5837.
● T1	Category B - Tree of moderate quality and value to be removed.
● T1	Category C - Tree of low quality and value to be removed.
▨	Existing hedge or group. Colour coded as above in accordence with BS 5837 to be removed.
○	Root Protection Area as calculated in accordance with BS 5837:2012.
🟥	Site Boundary.

N

GENERAL NOTES

-DO NOT SCALE OFF THIS DRAWING
-ALL DIMENSIONS TO BE CHECKED ON SITE

REV.	DATE	INITIALS	DETAILS
G	01.03.2021	SAS	CLIENT/LPA COMMENTS

CLIENT PERSIMMON HOMES SUFFOLK	DWG. TITLE TREE REMOVAL PLAN
SITE HAVERHILL RELIEF ROAD	
PURPOSE OF ISSUE -	

DRG BY	CHECKED	AUTH'D	SCALE	DATE	DWG NO.	REV.
SAS	JBA	JBA	1:500 @A0	16.01.2018	JBA 17/364 TR01	G

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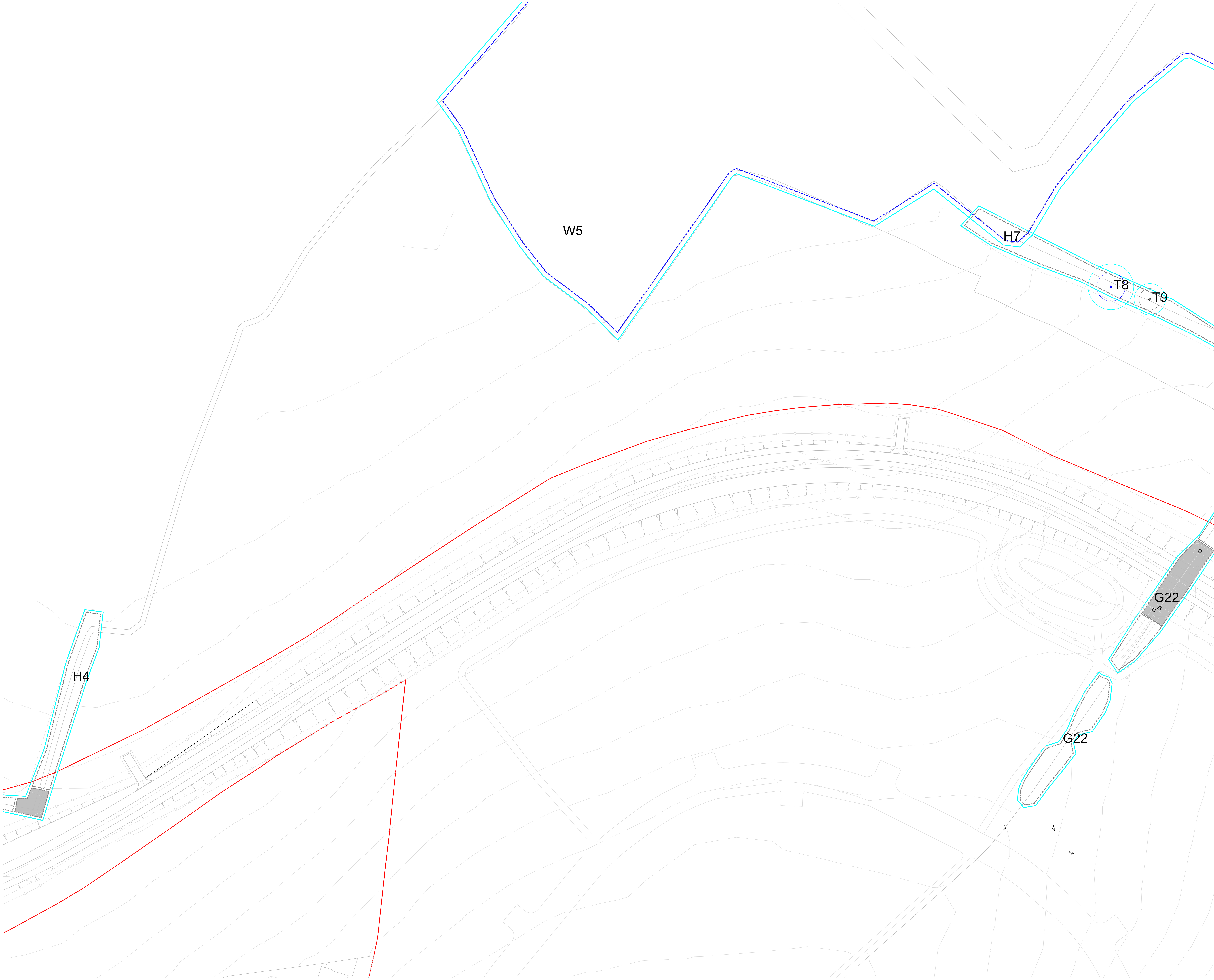
LANDSCAPE ARCHITECTURE o ARBORICULTURE o ECOLOGY



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REV.	DATE	INITIALS	DETAILS
G	01.03.2021	SAS	CLIENT COMMENTS

CLIENT PERSIMMON HOMES SUFFOLK	DWG. TITLE TREE REMOVAL PLAN
SITE HAVERHILL RELIEF ROAD	
PURPOSE OF ISSUE -	

DRG BY	CHECKED	AUTH'D	SCALE	DATE	DWG NO.	REV.
SAS	JBA	JBA	1:500 @A0	16.01.2018	JBA 17/364 TR02	G

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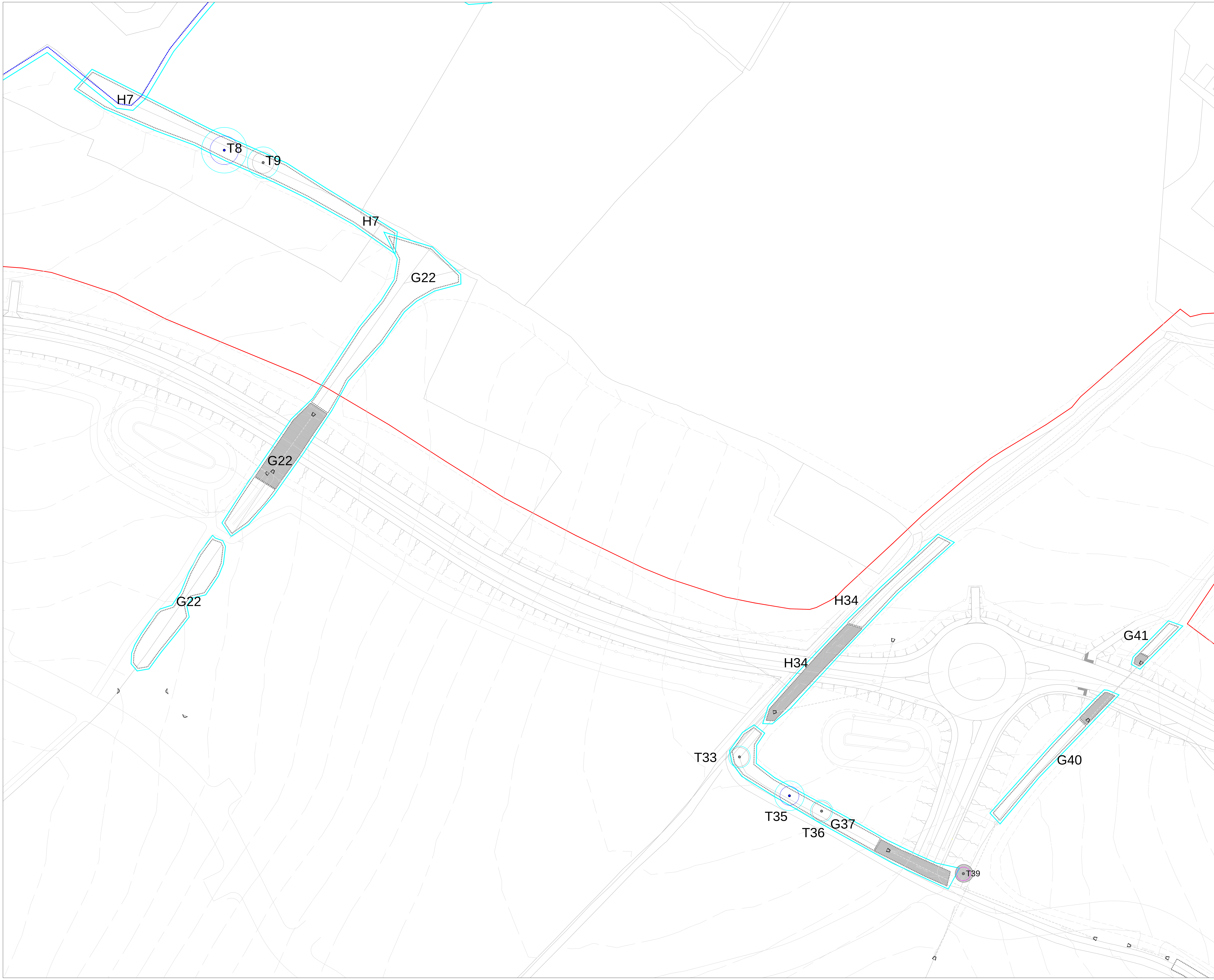
Simon Smith - 26/05/2015 - K:\JBA\Client Projects\Persimmon Homes Suffolk\Suffolk, Haverhill, Relief Road 17-364\Drawings\JBA\Master\Arb\JBA 17-364 Tree Removal Plan Haverhill Relief Road Rev G.dwg



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🟥	Site Boundary.

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REV.	DATE	INITIALS	DETAILS
G	01.03.2021	SAS	CLIENT COMMENTS

CLIENT: PERSIMMON HOMES SUFFOLK
DWG. TITLE: TREE REMOVAL PLAN
SITE: HAVERHILL RELIEF ROAD
PURPOSE OF ISSUE: -

DRG BY	CHECKED	AUTH'D	SCALE	DATE	DWG NO.	REV.
SAS	JBA	JBA	1:500 @A0	16.01.2018	JBA 17/364 TR03	G

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Simon Smith - 26/05/2015 - K:\JBA\Client Projects\Persimmon Homes Suffolk\Suffolk, Haverhill, Relief Road 17-364\Drawings\JBA\Master\Arb\JBA 17-364 Tree Removal Plan Haverhill Relief Road Rev G.dwg

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REV.	DATE	INITIALS	DETAILS

CLIENT	DWG. TITLE
PERSIMMON HOMES SUFFOLK	TREE REMOVAL PLAN

SITE
HAVERHILL RELIEF ROAD

PURPOSE OF ISSUE
-

DRG BY	CHECKED	AUTH'D	SCALE	DATE	DWG NO.	REV.
SAS	JBA	JBA	1:500 @A0	16.01.2018	JBA 17/364 TR04	G

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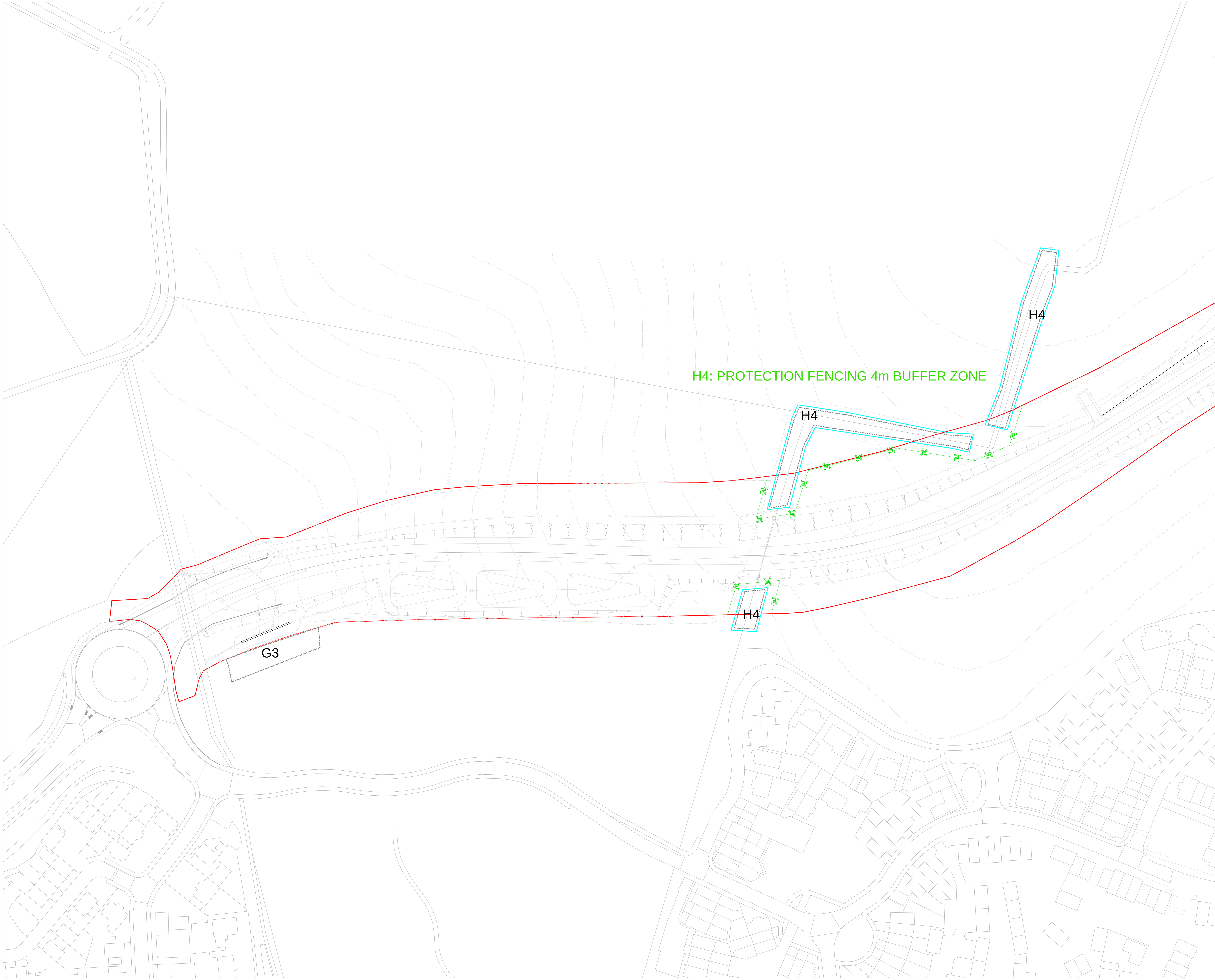
LANDSCAPE ARCHITECTURE o ARBORICULTURE o ECOLOGY



KEY

⊙ T1	Category B - Tree of moderate quality and value.
⊙ T1	Category C - Tree of low quality and value.
⬚	Existing hedge or group. Colour coded as above in accordance with BS 5837.
🟩	Line of protective fencing to be erected in accordance with BS 5837:2012 and buffer zones as annotated on plan.
○	Root Protection Area as calculated in accordance with BS 5837:2012.
🟥	Site Boundary.

Figure 2 Default specification for protective barrier

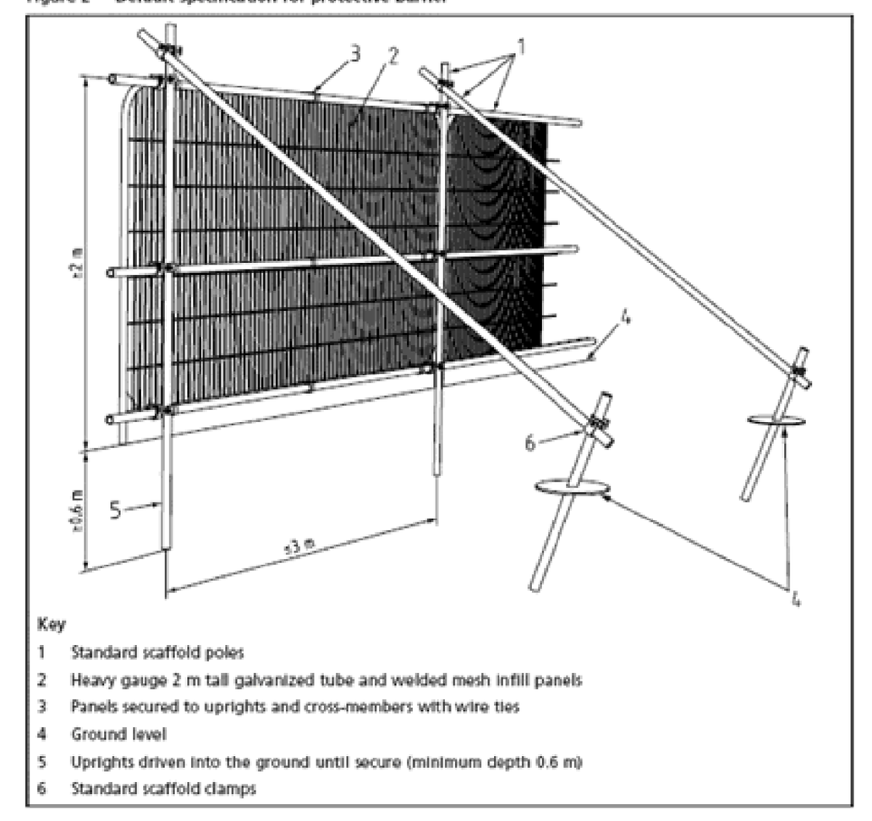
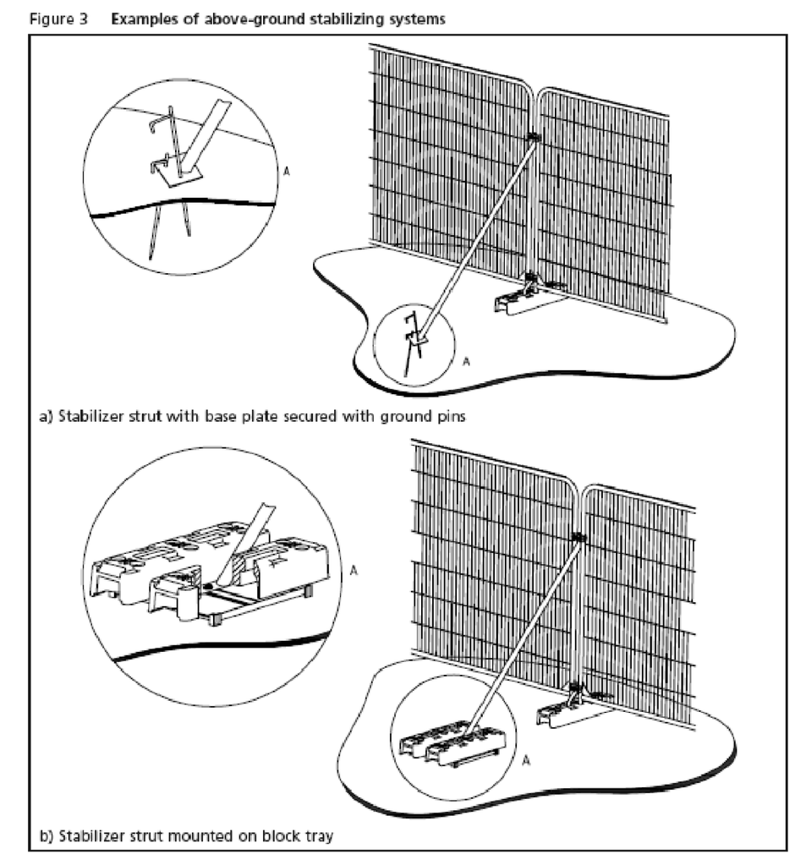


Figure 3 Examples of above-ground stabilizing systems



a) Stabilizer strut with base plate secured with ground pins

b) Stabilizer strut mounted on block tray

G	01.03.2021	SAS	CLIENT COMMENTS
REV.	DATE	INITIALS	DETAILS

CLIENT	DWG. TITLE
PERSIMMON HOMES SUFFOLK	TREE PROTECTION PLAN

SITE
HAVERHILL RELIEF ROAD

PURPOSE OF ISSUE
-

DRG BY	CHECKED	AUTH'D	SCALE	DATE	DWG NO.	REV.
SAS	JBA	JBA	1:500 @A0	16.01.2018	JBA 17/364 TP01	G

GENERAL NOTES

-DO NOT SCALE OFF THIS DRAWING
-ALL DIMENSIONS TO BE CHECKED ON SITE

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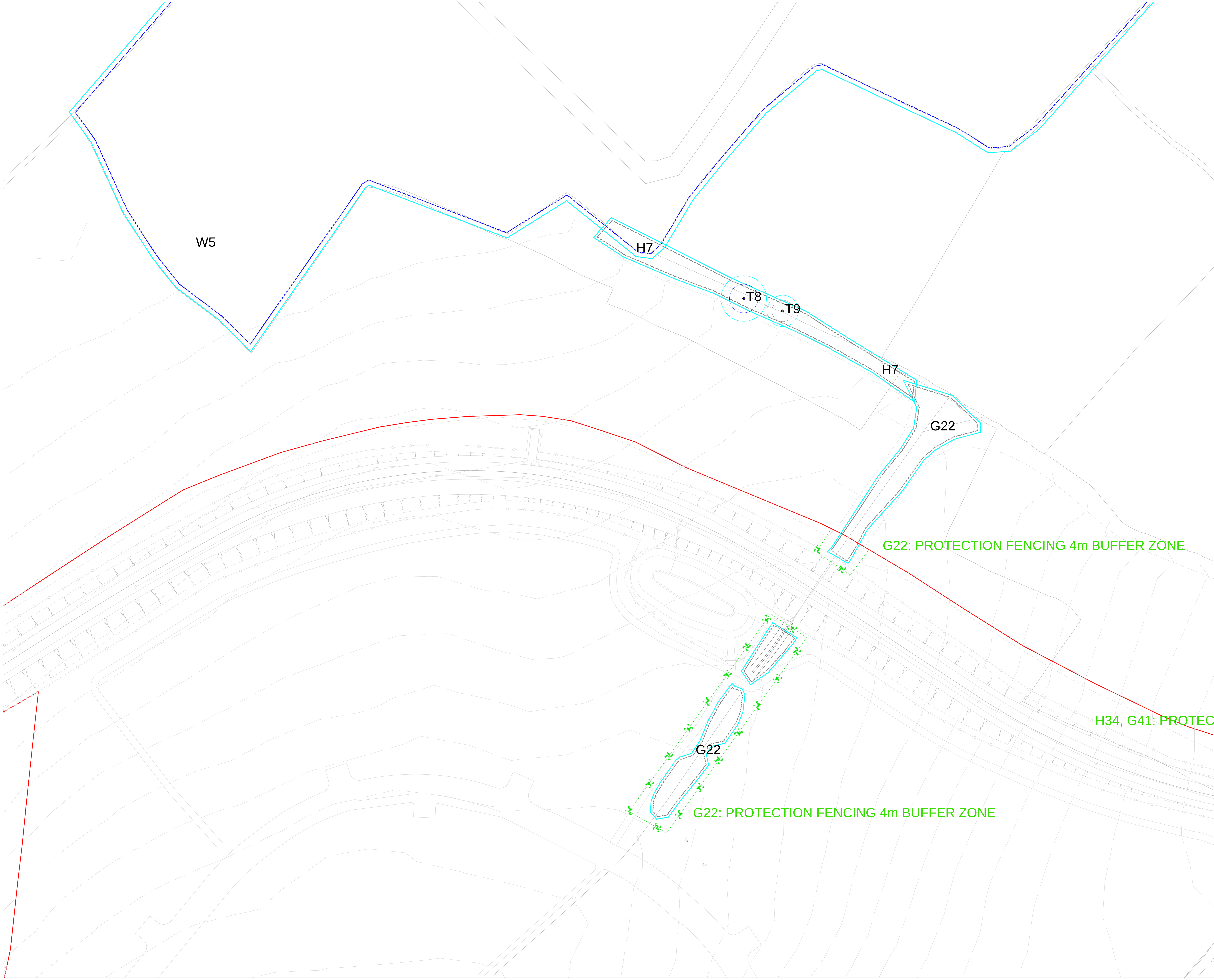
LANDSCAPE ARCHITECTURE o ARBORICULTURE o ECOLOGY



KEY

T1	Category B - Tree of moderate quality and value.
T1	Category C - Tree of low quality and value.
	Existing hedge or group. Colour coded as above in accordance with BS 5837.
	Line of protective fencing to be erected in accordance with BS 5837:2012 and buffer zones as annotated on plan.
	Root Protection Area as calculated in accordance with BS 5837:2012.
	Site Boundary.

Figure 2 Default specification for protective barrier

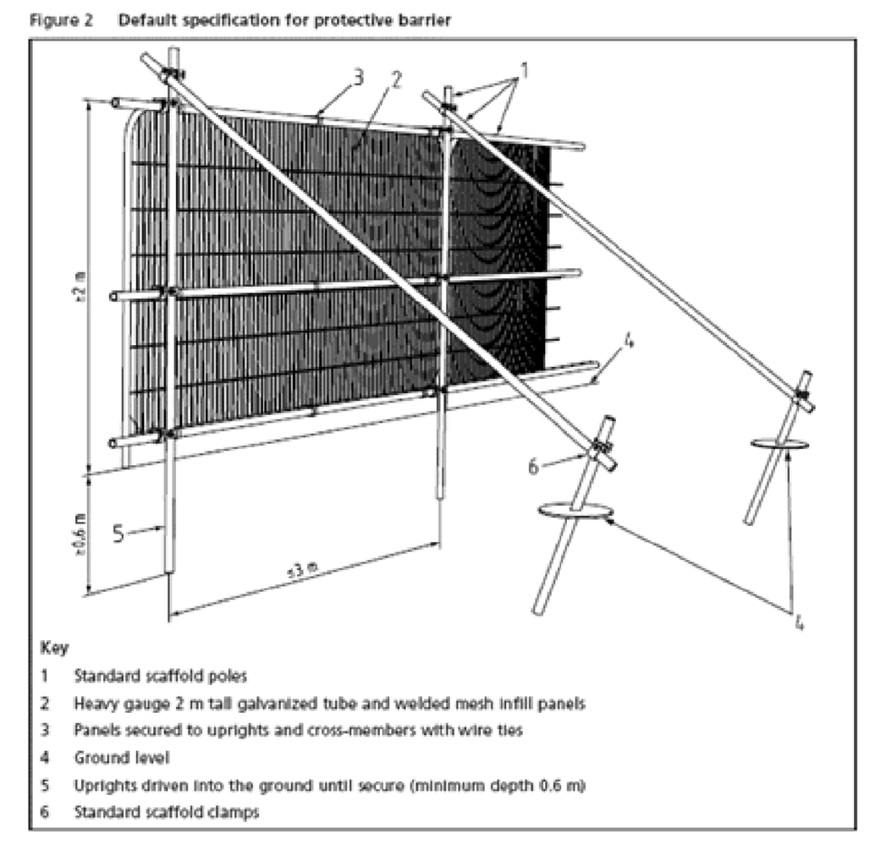
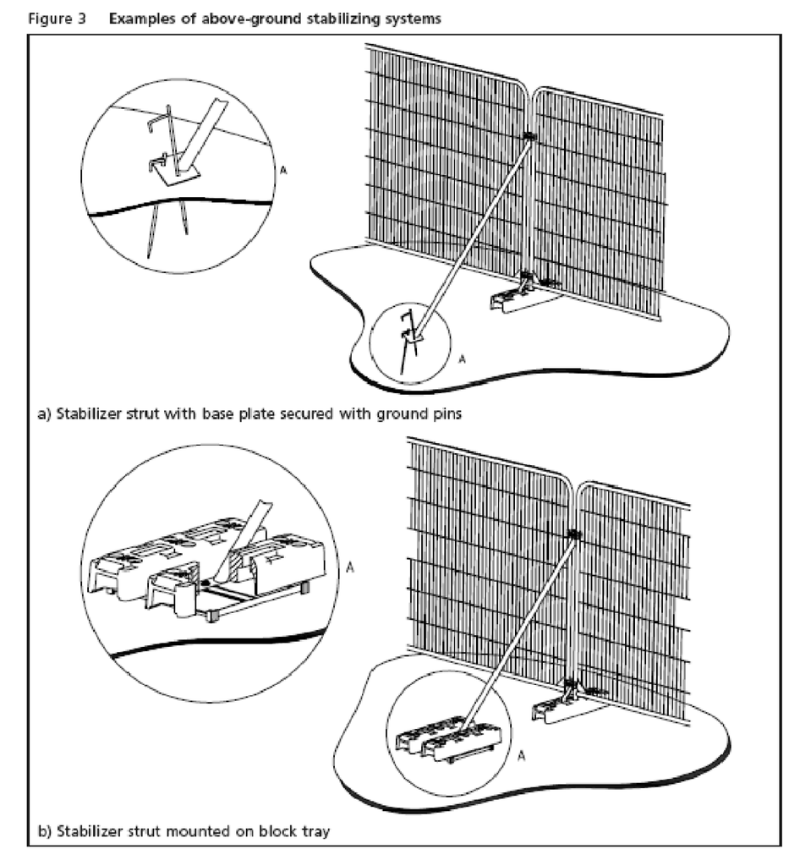


Figure 3 Examples of above-ground stabilizing systems



G	01.03.2021	SAS	CLIENT COMMENTS
REV.	DATE	INITIALS	DETAILS

CLIENT PERSIMMON HOMES SUFFOLK	DWG. TITLE TREE PROTECTION PLAN
SITE HAVERHILL RELIEF ROAD	
PURPOSE OF ISSUE -	

DRG BY	CHECKED	AUTH'D	SCALE	DATE	DWG NO.	REV.
SAS	JBA	JBA	1:500 @A0	16.01.2018	JBA 17/364 TP02	G

GENERAL NOTES

-DO NOT SCALE OFF THIS DRAWING
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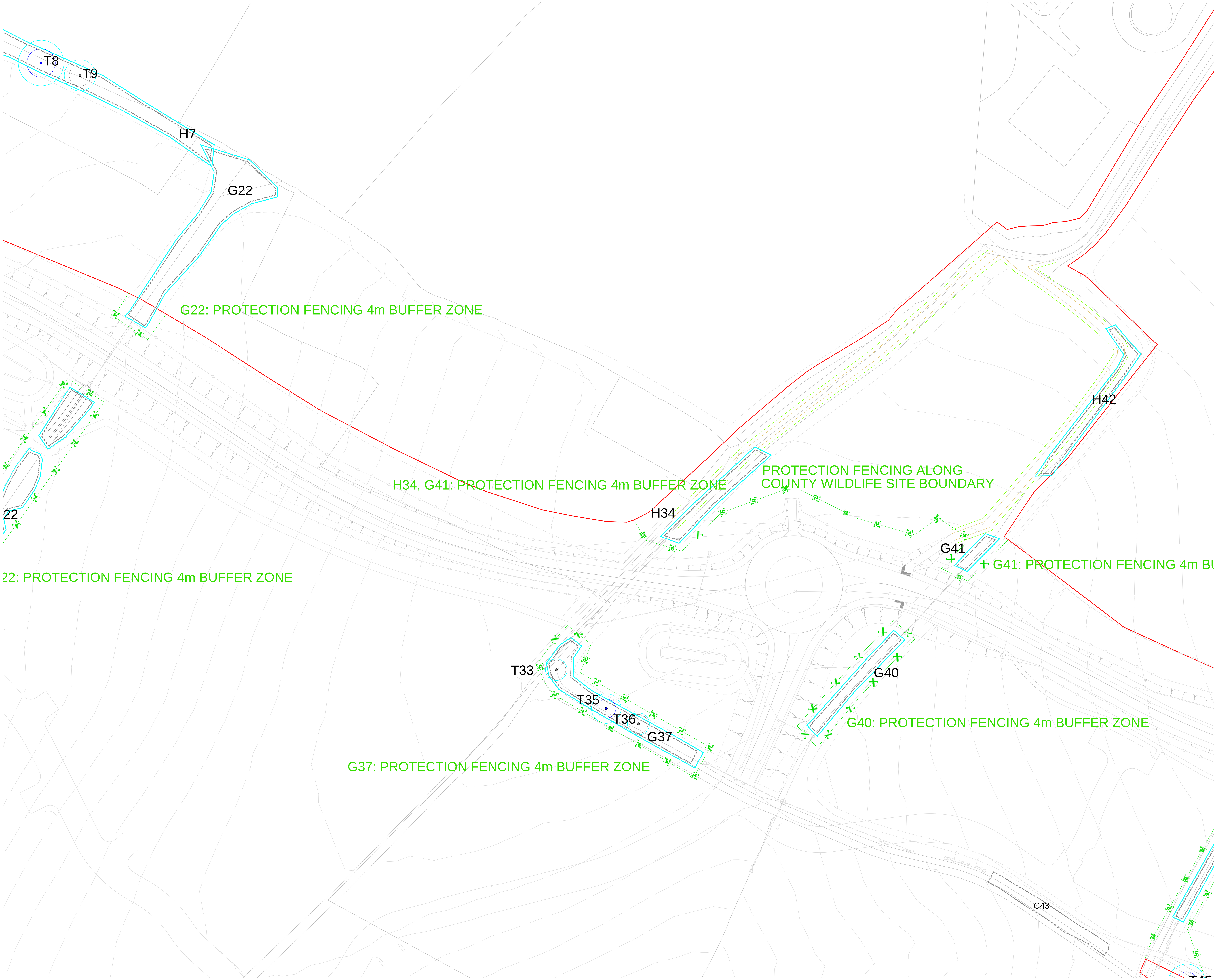
Simon Smith - 26/05/2015 - K:\JBA\Client Projects\Persimmon Homes Suffolk\Suffolk, Haverhill, Relief Road 17-364\Drawings\JBA\Master\Arb\JBA 17-364 Tree Protection Plan Haverhill Relief Road Rev G.dwg



KEY

- Category B - Tree of moderate quality and value.
- Category C - Tree of low quality and value.
- Existing hedge or group. Colour coded as above in accordance with BS 5837.
- Line of protective fencing to be erected in accordance with BS 5837:2012 and buffer zones as annotated on plan.
- Root Protection Area as calculated in accordance with BS 5837:2012.
- Site Boundary.

Figure 2 Default specification for protective barrier

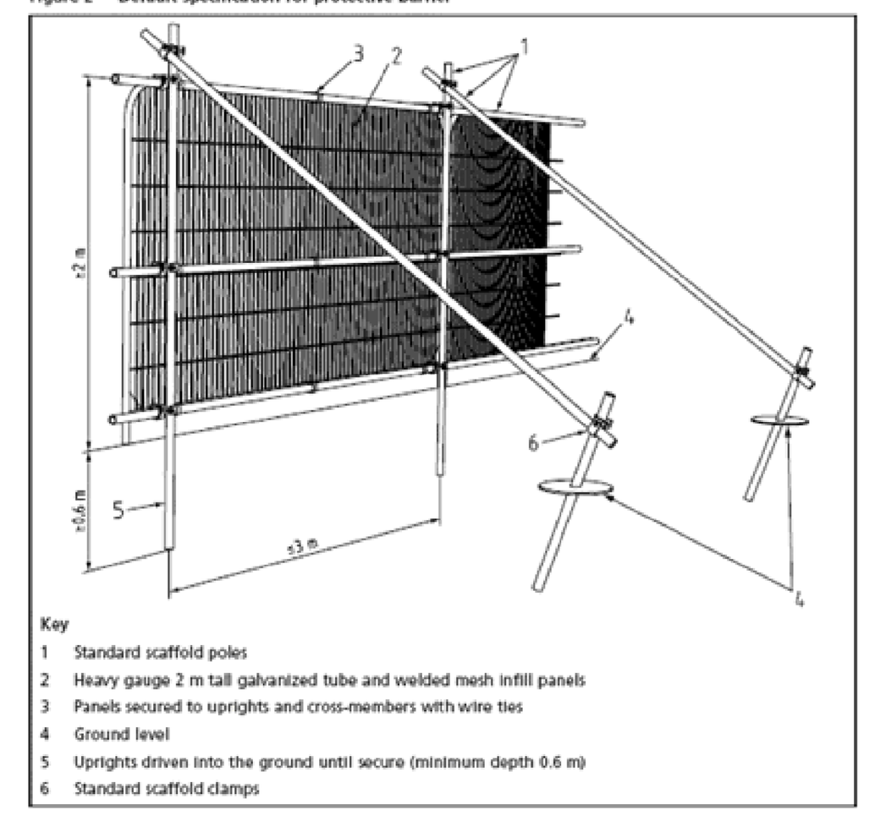
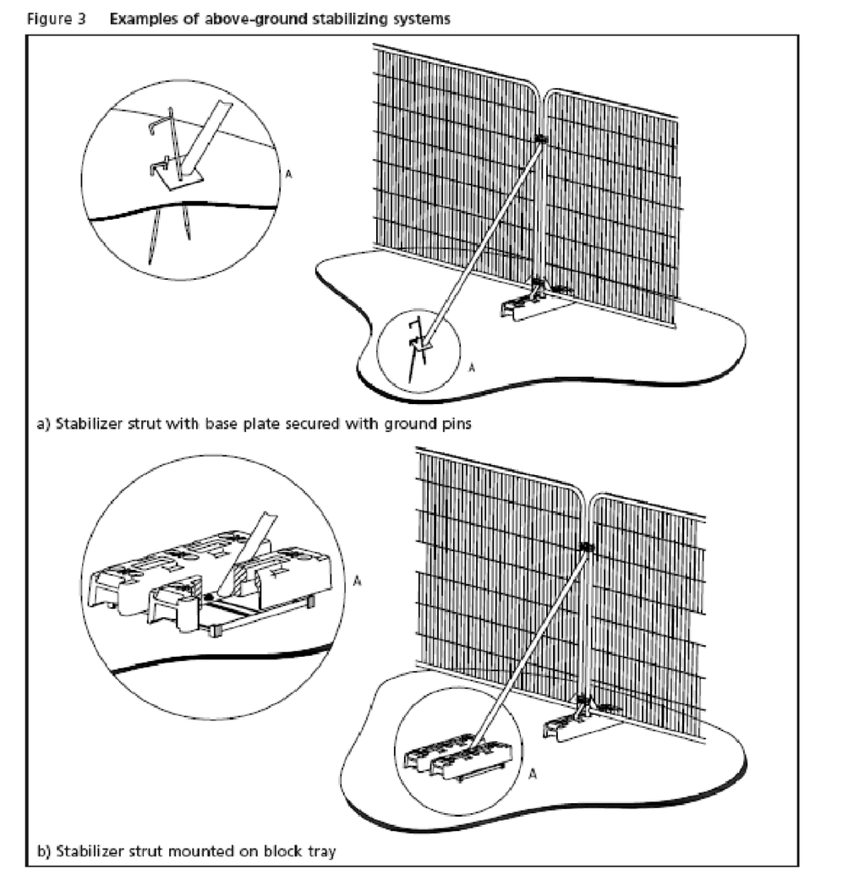


Figure 3 Examples of above-ground stabilizing systems



GENERAL NOTES

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REV.	DATE	INITIALS	DETAILS
G	01.03.2021	SAS	CLIENT COMMENTS

CLIENT: PERSIMMON HOMES SUFFOLK
DWG. TITLE: TREE PROTECTION PLAN
SITE: HAVERHILL RELIEF ROAD
PURPOSE OF ISSUE: -

DRG BY	CHECKED	AUTH'D	SCALE	DATE	DWG NO.	REV.
SAS	JBA	JBA	1:500 @A0	16.01.2018	JBA 17/364 TP03	G

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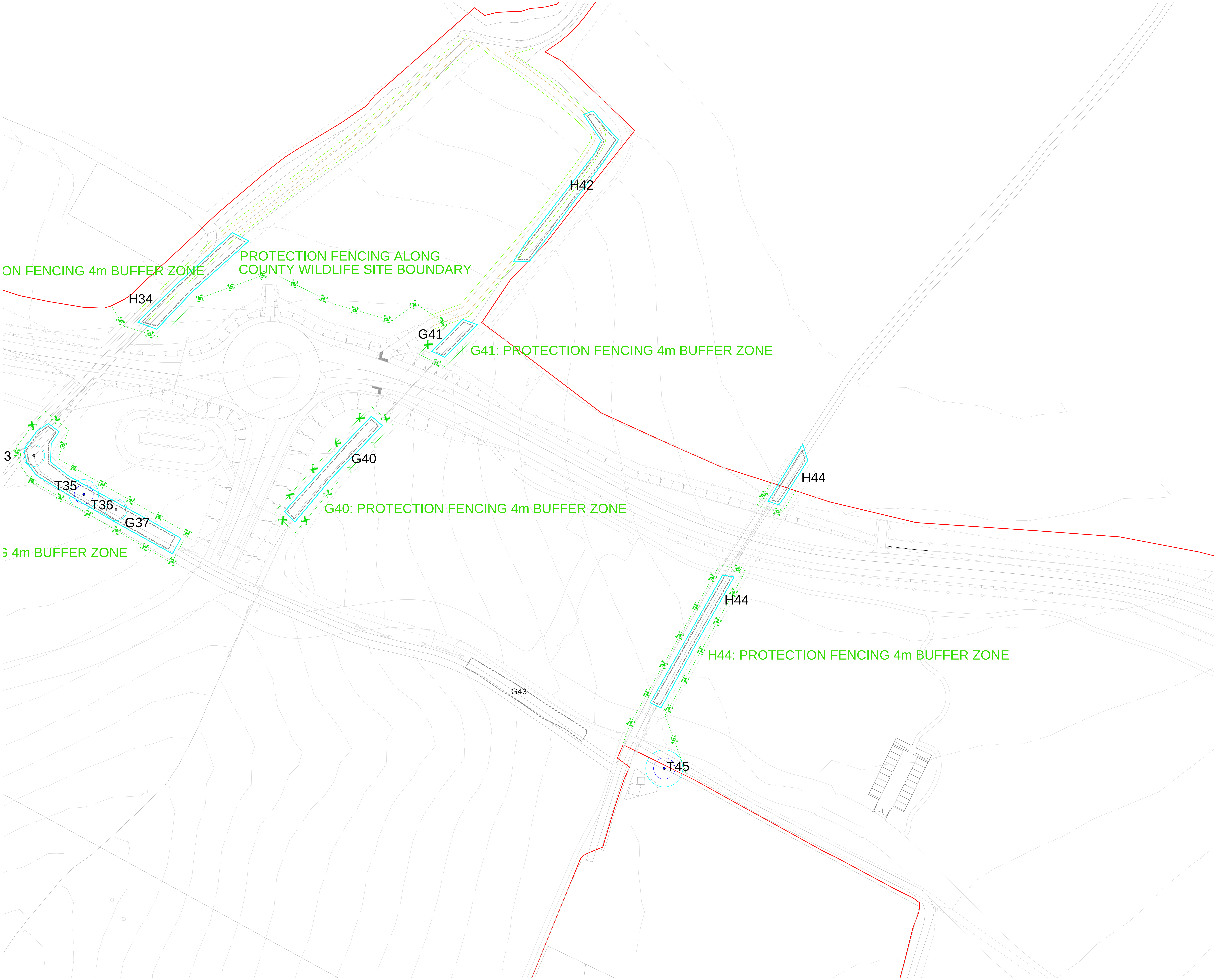
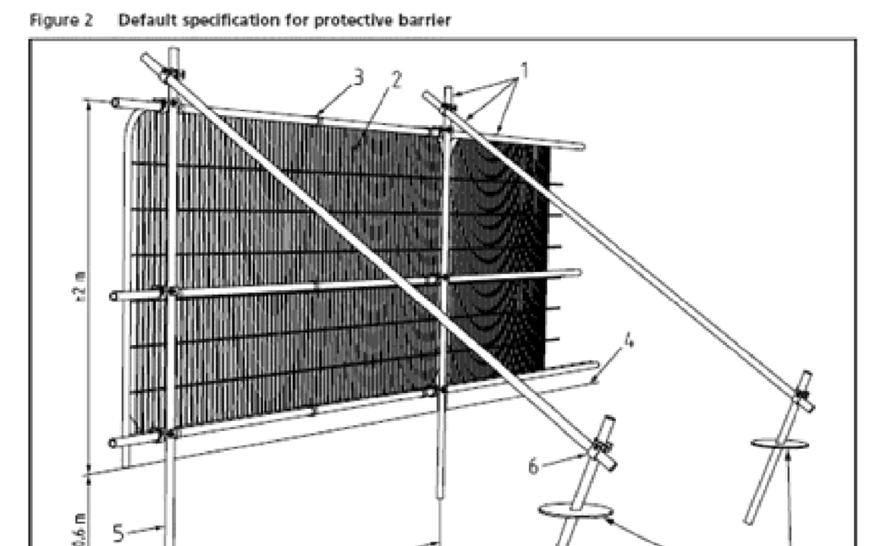


KEY

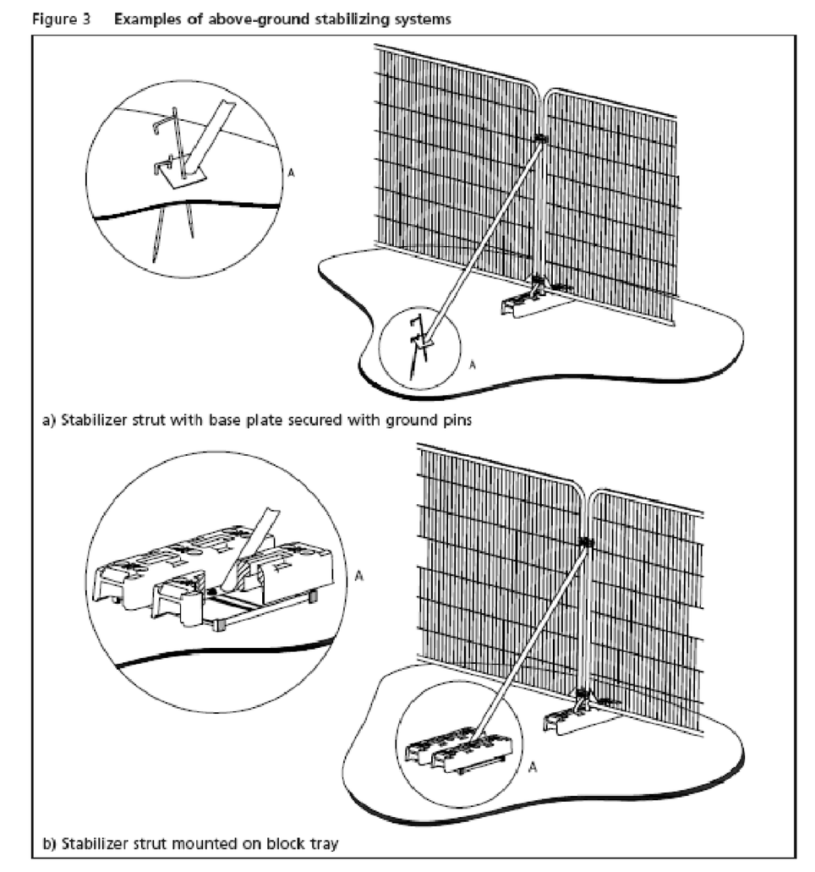
● T1	Category B - Tree of moderate quality and value.
● T1	Category C - Tree of low quality and value.
▭	Existing hedge or group. Colour coded as above in accordance with BS 5837.
—✕—✕—	Line of protective fencing to be erected in accordance with BS 5837:2012 and buffer zones as annotated on plan.
○	Root Protection Area as calculated in accordance with BS 5837:2012.
🟥	Site Boundary.

Figure 2 Default specification for protective barrier



Key
1 Standard scaffold poles
2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
3 Panels secured to uprights and cross-members with wire ties
4 Ground level
5 Uprights driven into the ground until secure (minimum depth 0.6 m)
6 Standard scaffold clamps

Figure 3 Examples of above-ground stabilizing systems



a) Stabilizer strut with base plate secured with ground pins
b) Stabilizer strut mounted on block tray

REV.	DATE	INITIALS	DETAILS
G	01.03.2021	SAS	CLIENT COMMENTS

CLIENT: PERSIMMON HOMES SUFFOLK
DWG. TITLE: TREE PROTECTION PLAN
SITE: HAVERHILL RELIEF ROAD
PURPOSE OF ISSUE: -

DRG BY	CHECKED	AUTH'D	SCALE	DATE	DWG NO.	REV.
SAS	JBA	JBA	1:500 @A0	16.01.2018	JBA 17/364 TP04	G

GENERAL NOTES
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-ALL DIMENSIONS TO BE CHECKED ON SITE

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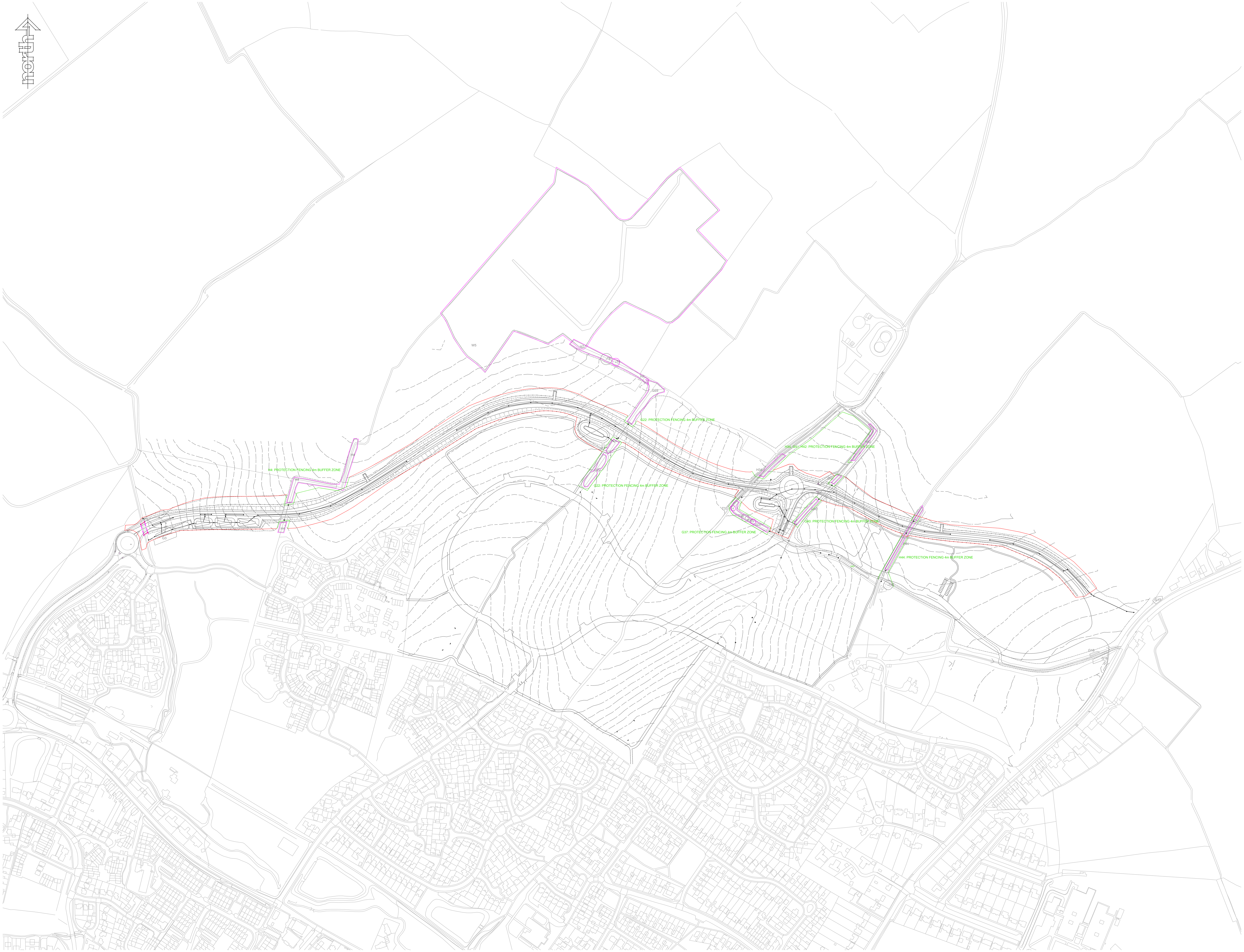
APPENDIX 3: SITE BOUNDARY PLAN



Note & Key

- Heras Fencing to demarcate Relief Road site boundary, all construction traffic and construction works will take place within this boundary unless otherwise stated and agreed
- Tree protection fencing as detailed by JBA, please refer to Relief Road AMS for full details

Fence erection order prior to construction:

1) Tree protection fencing to be erected
2) Heras fencing to be erected to contain all future construction
3) Following fencing erection and sign off construction can commence

Rev	Description	By	Date
B	Additional section of G22 retained. Fencing updated accordingly around this area	SB	02.03.2021
A	Revised to show Heras fencing stopping at Tree Protection fencing. Order of fence erection detailed prior to construction starting	SB	26.02.2021

PERSIMMON

Persimmon Homes Ltd.
Persimmon House
Orion Court, Orion Avenue
Great Blakenham
Suffolk IP6 0LW
Tel 01473 927400

Site Name:

Relief Road
Haverhill
Suffolk

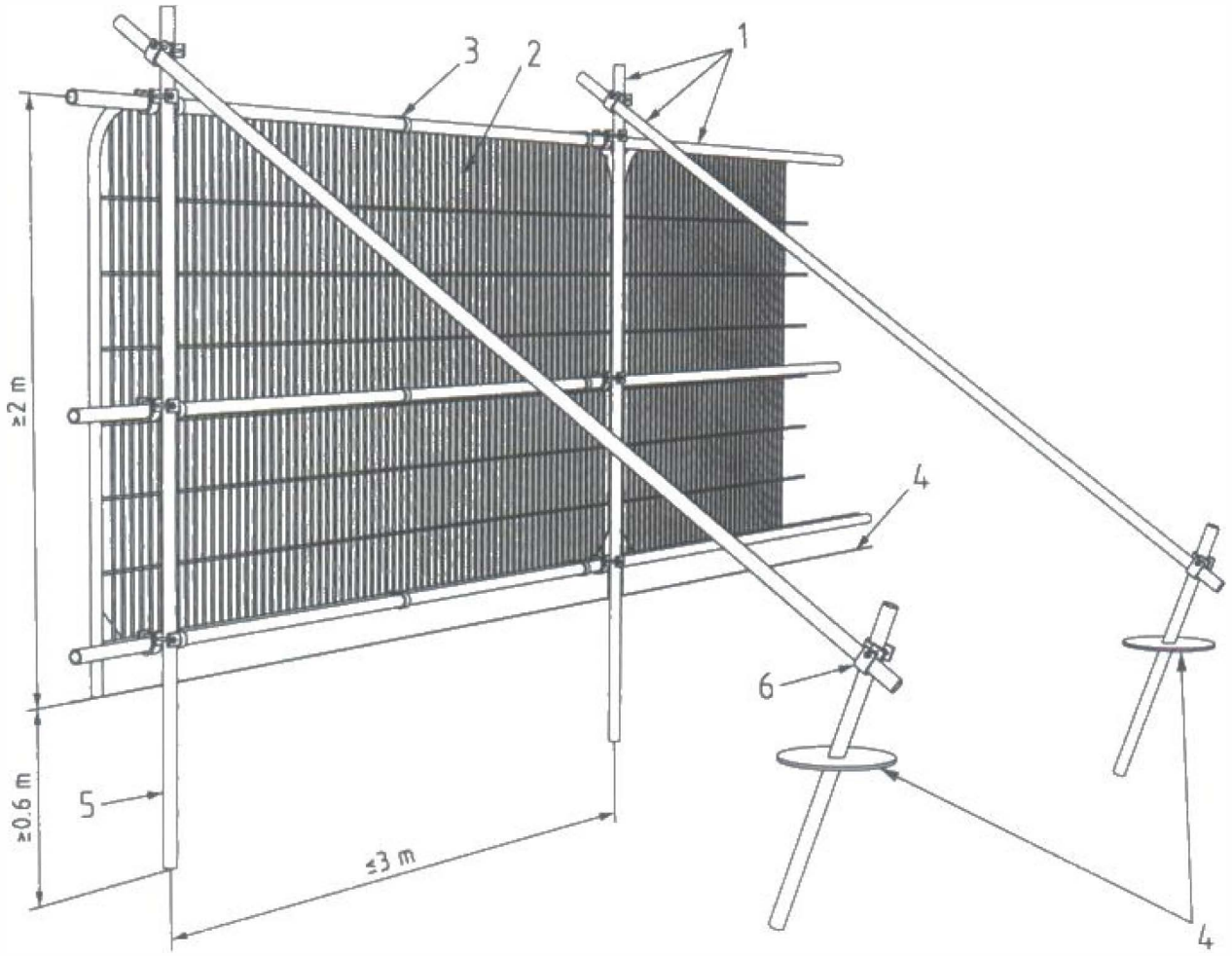
Drawing:

Site Boundary
Tree Protection Overlaid

Scale@A0: 1:2000	Date: Feb 2021
Drawn By: SB	Checked By:
Drawing No: 039-E-SK50	Rev: B

APPENDIX 4: PROTECTIVE FENCING SPECIFICATIONS

Figure 2 **Default specification for protective barrier**



Key

1 Standard scaffold poles
2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
3 Panels secured to uprights and cross-members with wire ties
4 Ground level
5 Uprights driven into the ground until secure (minimum depth 0.6 m)
6 Standard scaffold clamps

PURPOSE OF ISSUE
TREE PROTECTION PLAN ON BS5837:2012

DRG BY	CHECKED	AUTHD	SCALE	DATE	DWG NO.	REV.
DCG	JBA	JBA	NTS @A4	JUNE 2019	BS5837:2012 - 1	-

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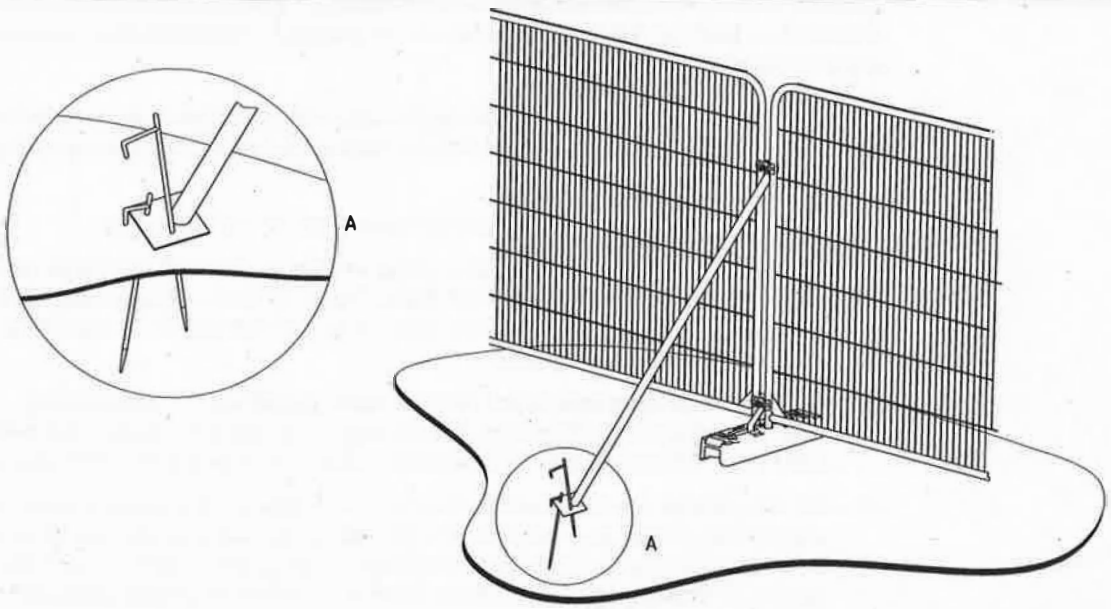
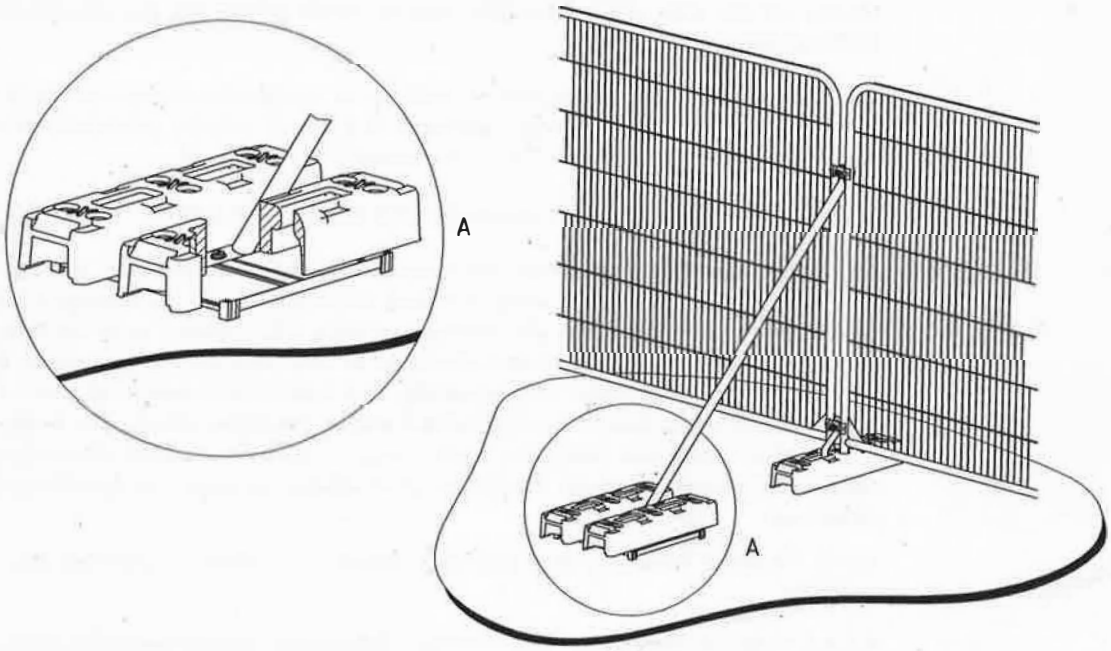
Figure 3 **Examples of above-ground stabilizing systems**



a) Stabilizer strut with base plate secured with ground pins



b) Stabilizer strut mounted on block tray

APPENDIX 5: PROTECTIVE FENCING SIGNAGE

TREE PROTECTION AREA
KEEP OUT!

NO WORKS TO BE CARRIED OUT IN THIS AREA WITHOUT PRIOR AGREEMENT OF THE LOCAL AUTHORITY OR APPOINTED ARBORICULTURAL CONSULTANT

JAMES BLAKE ASSOCIATES

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